

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : Q1352

ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1352

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number

Q1352-01
Q1352-02

Client Sample Number

TAP-IDW-SOIL-021025
TAP-IDW-SOIL-021025

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:12 am, Feb 28, 2025

Date: 2/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Project # N/A

Chemtech Project # Q1352

Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 02/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP VOA.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Calculation:

Water Calculation in ug/L

$$\frac{(A_x)(I_s)(D_f)}{(A_{is})(RRF)(V_0)}$$

Where,

A_x = Area for the compound to be measured

A_{is} = Area for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the initial calibration curve standard.

V_o = Volume of water purged in milliliters (mL)

D_f = Dilution factor.

G. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:13 am, Feb 28, 2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1352

MATRIX: TCLP

METHOD: 8260D/1311

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

REVIEWED

By Sohil Jodhani, QA/QC Director at 10:10 am, Feb 28, 2025

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1352

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/21/2025

LAB CHRONICLE

OrderID:	Q1352	OrderDate:	2/11/2025 11:32:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	N51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1352-02	TAP-IDW-SOIL-02102 5	TCLP	TCLP VOA	8260D	02/10/25		02/14/25	02/11/25

Hit Summary Sheet
SW-846

SDG No.: Q1352
Client: Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	TAP-IDW-SOIL-021025								
Q1352-02	TAP-IDW-SOIL-02 TCLP	2-Butanone		5.00	J	1.30	2.50	25.0	ug/L
		Total Voc :		5.00					
		Total Concentration:		5.00					



QC SUMMARY

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Surrogate Summary

SDG No.: Q1352

Client: Weston Solutions

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1352-02	TAP-IDW-SOIL-021025	1,2-Dichloroethane-d4	50	55.4	111	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	51.7	103	85	114

Surrogate Summary

SDG No.: Q1352

Client: Weston Solutions

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VX0214WBL01	VX0214WBL01	1,2-Dichloroethane-d4	50	55.2	110	81	118
		Dibromofluoromethane	50	51.7	103	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
VX0214WBS01	VX0214WBS01	1,2-Dichloroethane-d4	50	50.7	101	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	51.5	103	85	114
VX0214WBSD0	VX0214WBSD01	1,2-Dichloroethane-d4	50	51.1	102	81	118
		Dibromofluoromethane	50	50.6	101	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	52.8	106	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1352

Client: Weston Solutions

Analytical Method: SW8260-Low

Datafile : VX044951.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0214WBS01	Vinyl chloride	20	18.3	ug/L	92			58	137	
	1,1-Dichloroethene	20	18.9	ug/L	95			71	131	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	20.2	ug/L	101			72	136	
	Chloroform	20	20.6	ug/L	103			79	124	
	Benzene	20	20.0	ug/L	100			79	120	
	1,2-Dichloroethane	20	21.8	ug/L	109			73	128	
	Trichloroethene	20	19.8	ug/L	99			79	123	
	Tetrachloroethene	20	21.0	ug/L	105			74	129	
	Chlorobenzene	20	20.2	ug/L	101			82	118	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1352

Client: Weston Solutions

Analytical Method: SW8260-Low

Datafile : VX044952.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0214WBSD01	Vinyl chloride	20	17.6	ug/L	88	4		58	137	20
	1,1-Dichloroethene	20	18.1	ug/L	91	4		71	131	20
	2-Butanone	100	110	ug/L	110	0		56	143	20
	Carbon Tetrachloride	20	19.7	ug/L	99	2		72	136	20
	Chloroform	20	20.0	ug/L	100	3		79	124	20
	Benzene	20	19.6	ug/L	98	2		79	120	20
	1,2-Dichloroethane	20	21.8	ug/L	109	0		73	128	20
	Trichloroethene	20	19.4	ug/L	97	2		79	123	20
	Tetrachloroethene	20	20.3	ug/L	102	3		74	129	20
	Chlorobenzene	20	20.0	ug/L	100	1		82	118	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0214WBL01

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: Q1352

SAS No.: Q1352 SDG NO.: Q1352

Lab File ID: VX044950.D

Lab Sample ID: VX0214WBL01

Date Analyzed: 02/14/2025

Time Analyzed: 10:51

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
VX0214WBS01	VX0214WBS01	VX044951.D	02/14/2025
VX0214WBSD01	VX0214WBSD01	VX044952.D	02/14/2025
TAP-IDW-SOIL-021025	Q1352-02	VX044960.D	02/14/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04
Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352 SDG NO.: Q1352
Lab File ID: VX044867.D BFB Injection Date: 02/10/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:35
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	72.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX044868.D	02/10/2025	10:25
VSTDIC005	VSTDIC005	VX044869.D	02/10/2025	10:48
VSTDIC020	VSTDIC020	VX044870.D	02/10/2025	11:11
VSTDIC050	VSTDIC050	VX044871.D	02/10/2025	11:34
VSTDIC100	VSTDIC100	VX044872.D	02/10/2025	12:05
VSTDIC150	VSTDIC150	VX044873.D	02/10/2025	12:28

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04
 Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352 SDG NO.: Q1352
 Lab File ID: VX044947.D BFB Injection Date: 02/14/2025
 Instrument ID: MSVOA_X BFB Injection Time: 09:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.2 (7) 1
176	95.0 - 101.0% of mass 174	71.2 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044948.D	02/14/2025	10:04
VX0214WBL01	VX0214WBL01	VX044950.D	02/14/2025	10:51
VX0214WBS01	VX0214WBS01	VX044951.D	02/14/2025	11:14
VX0214WBSD01	VX0214WBSD01	VX044952.D	02/14/2025	11:40
TAP-IDW-SOIL-021025	Q1352-02	VX044960.D	02/14/2025	14:43
VSTDCCC050EC	VSTDCCC050	VX044974.D	02/14/2025	20:06

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04
Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352 SDG NO.: Q1352
Lab File ID: VX044948.D Date Analyzed: 02/14/2025
Instrument ID: MSVOA_X Time Analyzed: 10:04
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	111649	5.54	194847	6.75	171164	10.05
UPPER LIMIT	223298	6.037	389694	7.251	342328	10.549
LOWER LIMIT	55824.5	5.037	97423.5	6.251	85582	9.549
EPA SAMPLE NO.						
TAP-IDW-SOIL-021025	83348	5.54	169946	6.76	154821	10.05
VX0214WBL01	79162	5.54	161000	6.76	145614	10.05
VX0214WBS01	109167	5.54	195743	6.76	172020	10.05
VX0214WBSD01	103875	5.54	184991	6.76	164889	10.05

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: CHEMTECH Contract: WEST04
Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352 SDG NO.: Q1352
Lab File ID: VX044948.D Date Analyzed: 02/14/2025
Instrument ID: MSVOA_X Time Analyzed: 10:04
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	79140	12.018				
UPPER LIMIT	158280	12.518				
LOWER LIMIT	39570	11.518				
EPA SAMPLE NO.						
TAP-IDW-SOIL-021025	66540	12.02				
VX0214WBL01	59196	12.02				
VX0214WBS01	79806	12.02				
VX0214WBSD01	77784	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions			Date Collected:	02/10/25		
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169			Date Received:	02/11/25		
Client Sample ID:	TAP-IDW-SOIL-021025			SDG No.:	Q1352		
Lab Sample ID:	Q1352-02			Matrix:	TCLP		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	TCLP VOA		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :	SW5035						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044960.D	1		02/14/25 14:43	VX021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
78-93-3	2-Butanone	5.00	J	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	83300	5.544				
540-36-3	1,4-Difluorobenzene	170000	6.757				
3114-55-4	Chlorobenzene-d5	155000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	66500	12.018				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044960.D
 Acq On : 14 Feb 2025 14:43
 Operator : JC/MD
 Sample : Q1352-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-021025

Quant Time: Feb 14 22:15:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	83348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67561	55.375	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.740%			
35) Dibromofluoromethane	5.379	113	56676	51.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	8.647	98	211950	50.728	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	72775	51.666	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.340%			
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	49394	100.706	ug/l	96
18) Methyl Acetate	2.703	43	2336	1.509	ug/l #	89
20) Methylene Chloride	2.782	84	2256	1.878	ug/l	91
25) 2-Butanone	4.587	43	3997m	5.019	ug/l	
43) Isopropyl Acetate	6.336	43	100784	35.198	ug/l	99

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

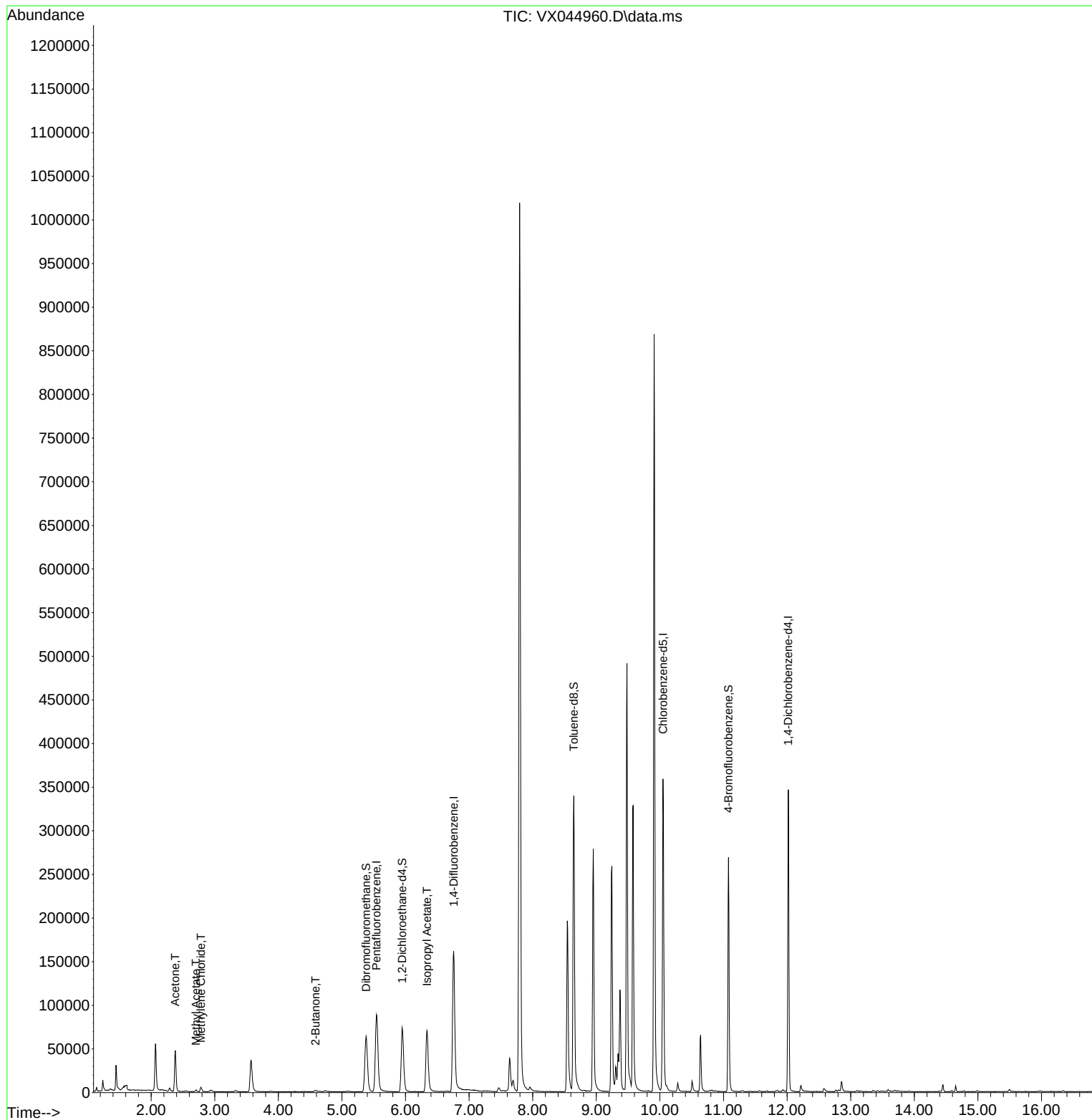
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Data File : VX044960.D
Acq On : 14 Feb 2025 14:43
Operator : JC/MD
Sample : Q1352-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

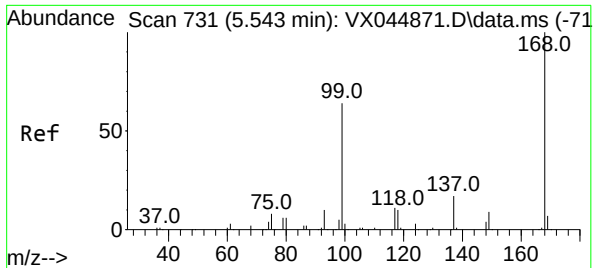
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

Quant Time: Feb 14 22:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

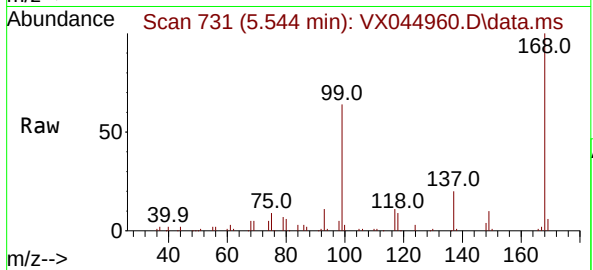
Reviewed By : John Carlone 02/18/2025
Supervised By : Mahesh Dadoda 02/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

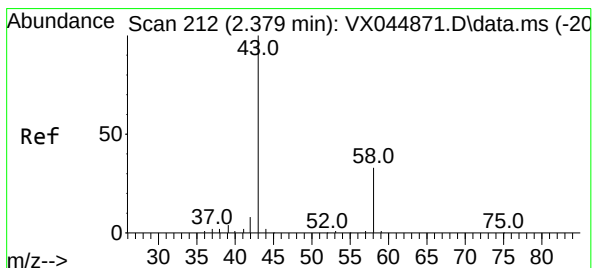
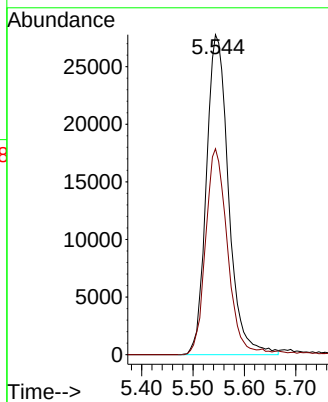
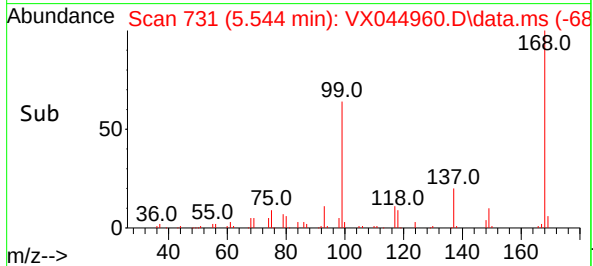
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025



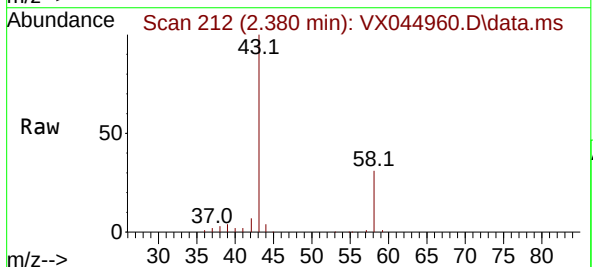
Tgt Ion: 168 Resp: 8334
Ion Ratio Lower Upper
168 100
99 64.3 51.2 76.8

Manual Integrations
APPROVED

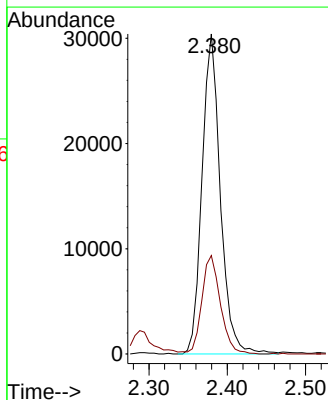
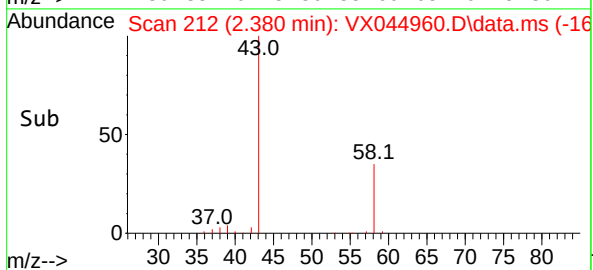
Reviewed By : John Carlone 02/18/2025
Supervised By : Mahesh Dadoda 02/19/2025

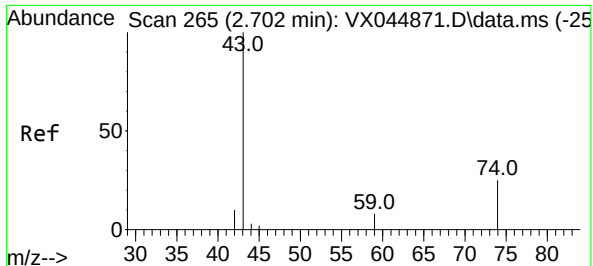


#16
Acetone
Concen: 100.706 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43



Tgt Ion: 43 Resp: 49394
Ion Ratio Lower Upper
43 100
58 30.8 26.5 39.7





#18

Methyl Acetate

Concen: 1.509 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025

Tgt Ion: 43 Resp: 2330

Ion Ratio Lower Upper

43

100

74

18.2

18.9

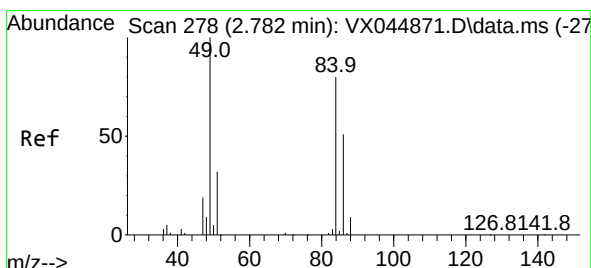
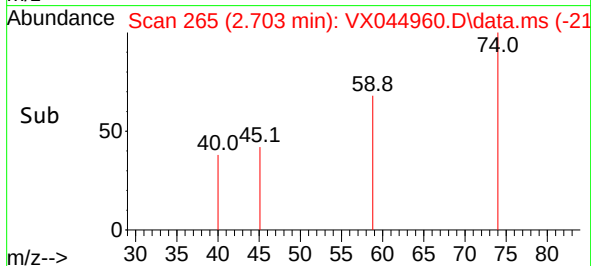
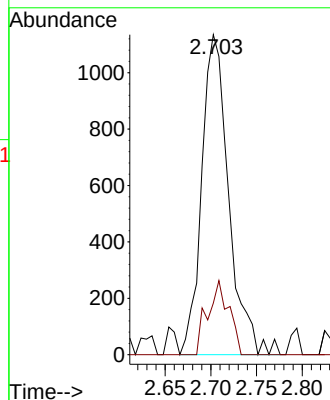
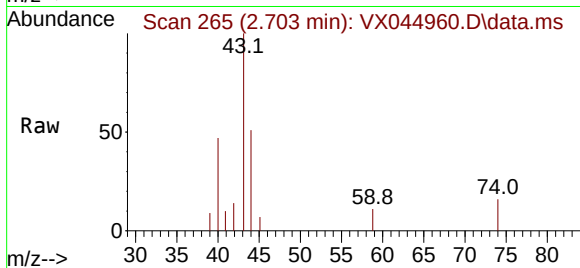
28.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#20

Methylene Chloride

Concen: 1.878 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Tgt Ion: 84 Resp: 2256

Ion Ratio Lower Upper

84

100

49

133.2

51

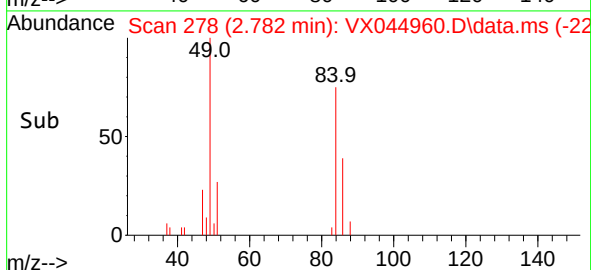
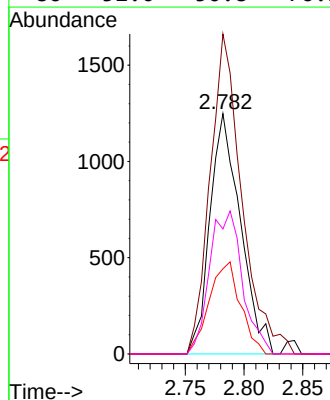
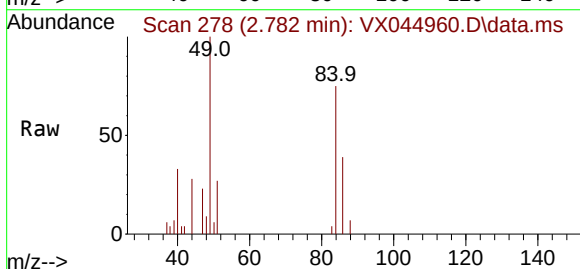
35.4

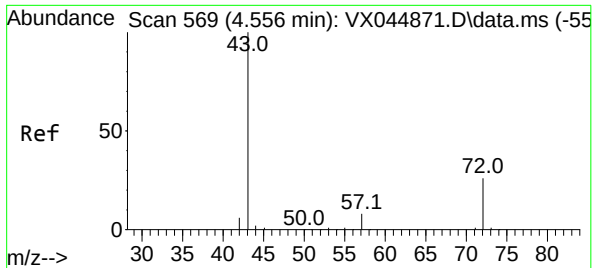
86

52.0

50.8

76.2





#25

2-Butanone

Concen: 5.019 ug/l m

RT: 4.587 min Scan# 5

Delta R.T. 0.031 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

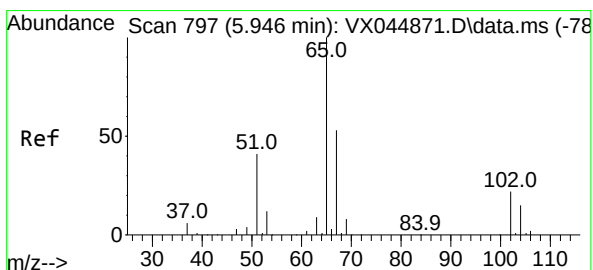
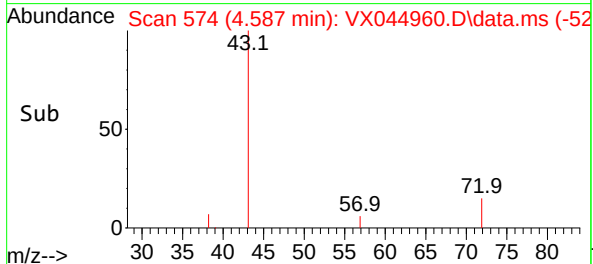
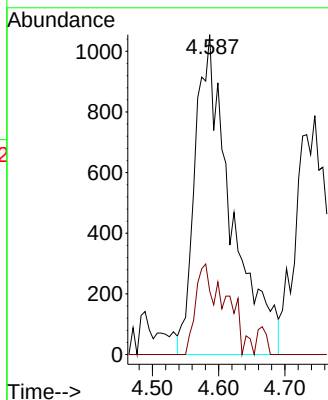
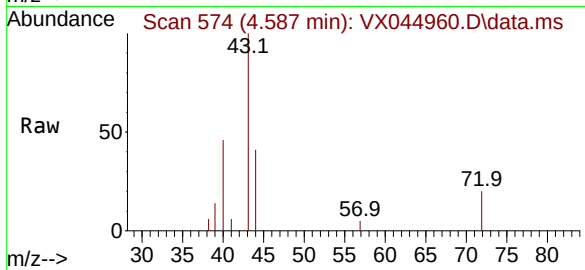
72 19.8 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#33

1,2-Dichloroethane-d4

Concen: 55.375 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044960.D

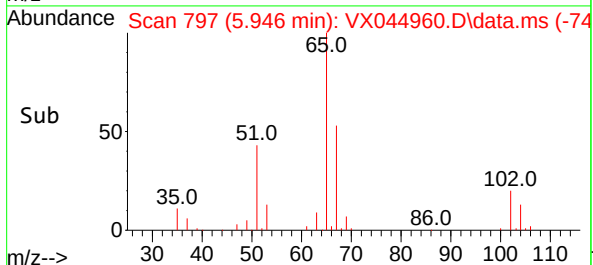
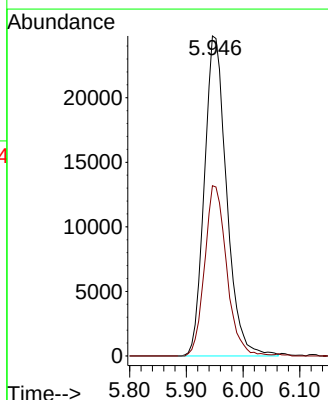
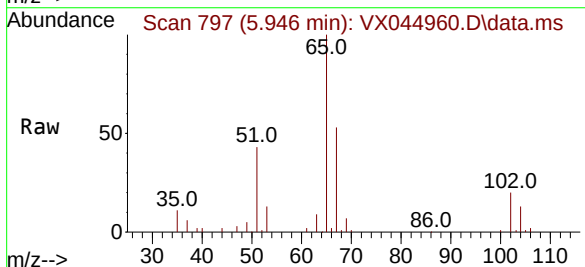
Acq: 14 Feb 2025 14:43

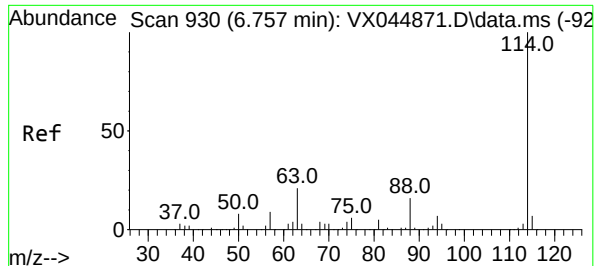
Tgt Ion: 65 Resp: 67561

Ion Ratio Lower Upper

65 100

67 52.6 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025

Tgt Ion:114 Resp: 16994

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

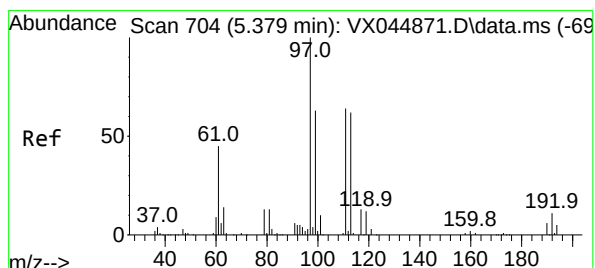
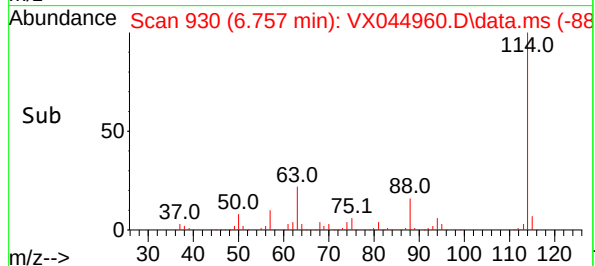
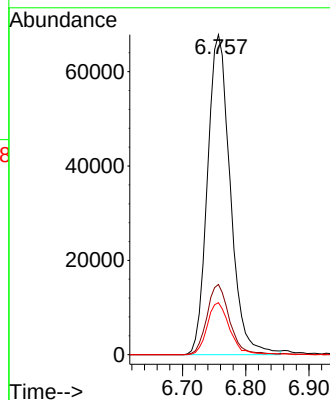
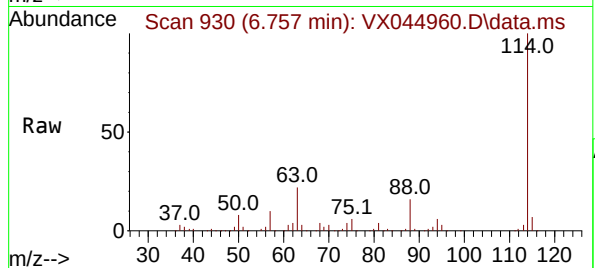
88 16.3 0.0 31.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#35

Dibromofluoromethane

Concen: 51.294 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

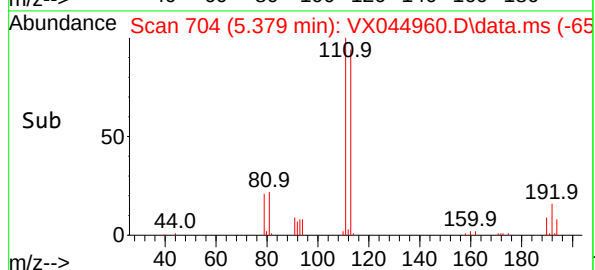
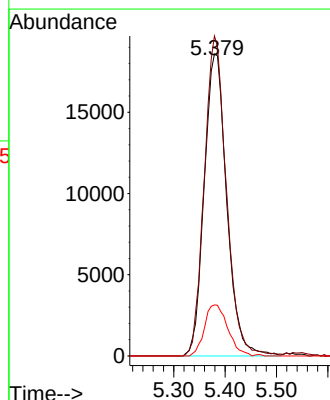
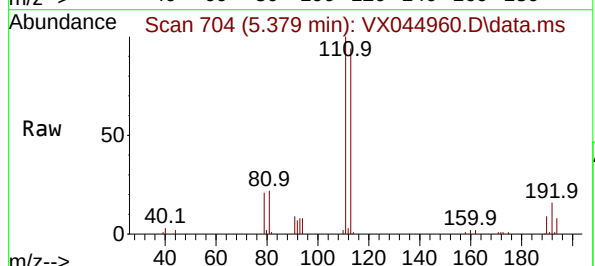
Tgt Ion:113 Resp: 56676

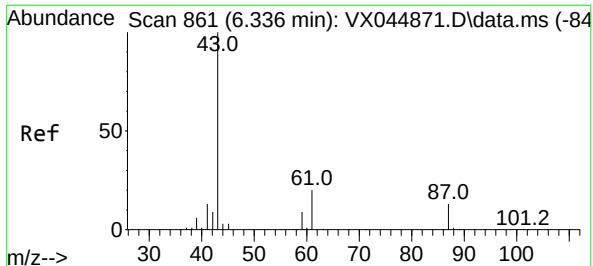
Ion Ratio Lower Upper

113 100

111 103.6 83.5 125.3

192 17.5 14.4 21.6





#43

Isopropyl Acetate

Concen: 35.198 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

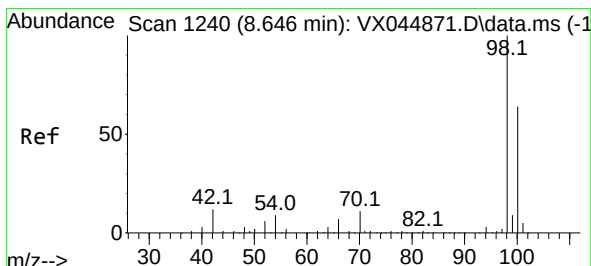
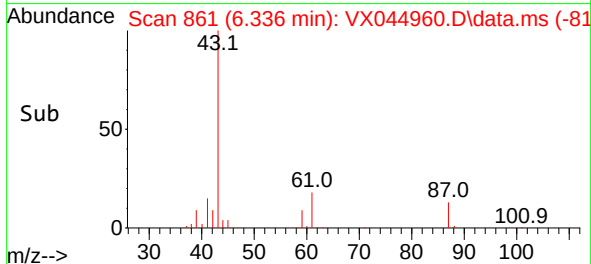
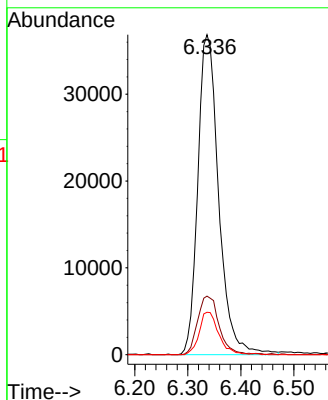
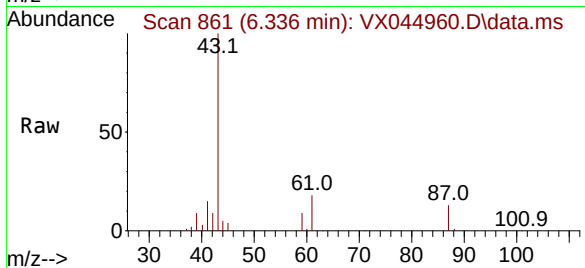
TAP-IDW-SOIL-021025

Tgt Ion: 43	Resp: 100784
Ion Ratio	Lower Upper
43	100
61	18.8 15.8 23.8
87	12.4 10.0 15.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#50

Toluene-d8

Concen: 50.728 ug/l

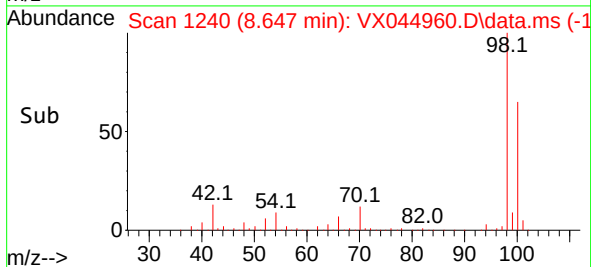
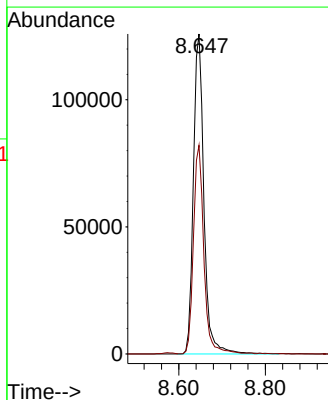
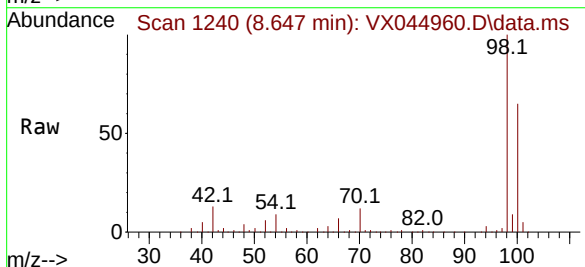
RT: 8.647 min Scan# 1240

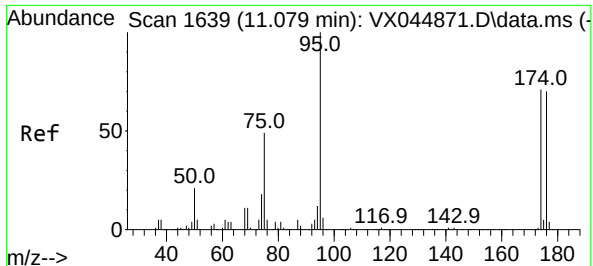
Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

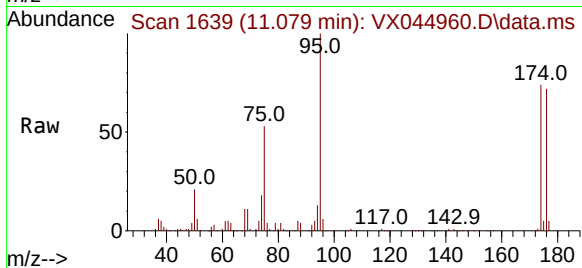
Tgt Ion: 98	Resp: 211950
Ion Ratio	Lower Upper
98	100
100	64.5 52.7 79.1





#62
4-Bromofluorobenzene
Concen: 51.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

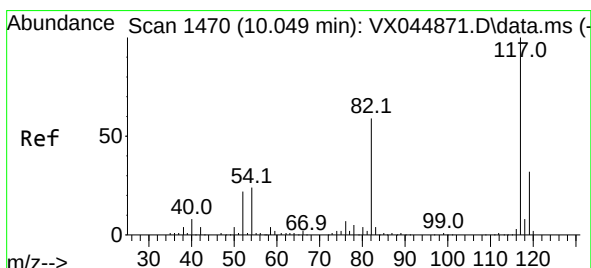
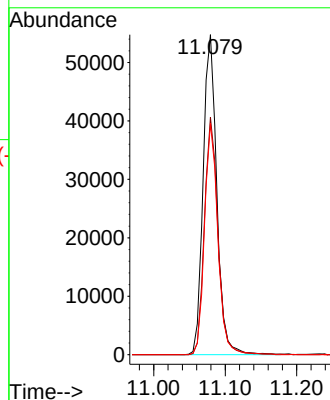
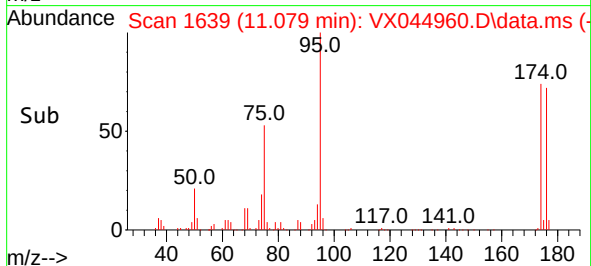
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025



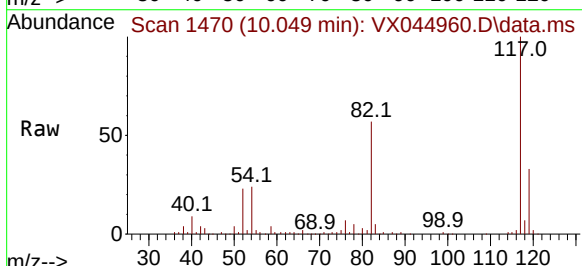
Tgt Ion: 95 Resp: 72775
Ion Ratio Lower Upper
95 100
174 73.7 0.0 142.6
176 70.6 0.0 141.6

Manual Integrations
APPROVED

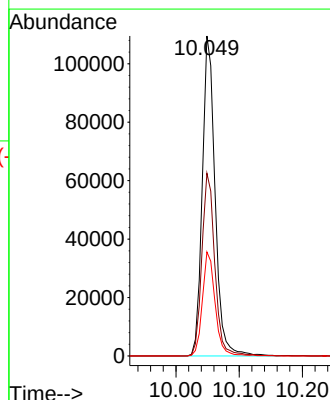
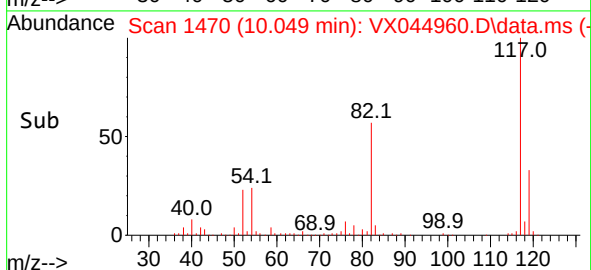
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

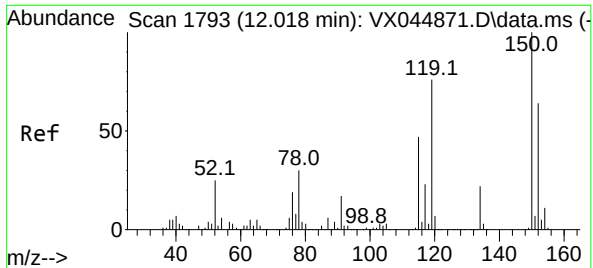


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43



Tgt Ion:117 Resp: 154821
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 32.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044960.D

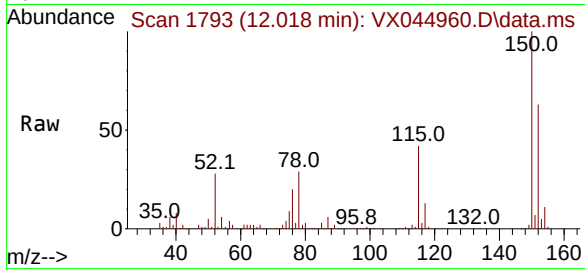
Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025



Tgt Ion:152 Resp: 66540

Ion Ratio Lower Upper

152 100

115 62.3 43.4 130.1

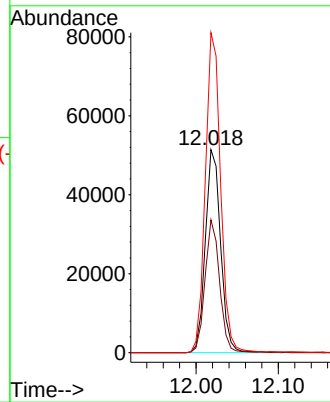
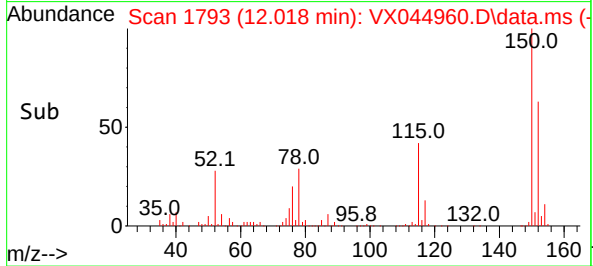
150 157.5 0.0 350.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025





CALIBRATION SUMMARY

- 1
- 2
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- 16
- 17
- 18



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WEST04
 Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352 SDG No.: Q1352
 Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX044868.D		RRF005 = VX044869.D		RRF020 = VX044870.D			
		RRF050 = VX044871.D		RRF100 = VX044872.D		RRF150 = VX044873.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.3	
1,1-Dichloroethene	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2	
2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.4	
Carbon Tetrachloride	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.4	
Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.5	
Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.7	
1,2-Dichloroethane	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.1	
Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.2	
Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.4	
Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.3	
1,2-Dichloroethane-d4		0.764	0.718	0.723	0.707	0.747	0.732	3.2	
Dibromofluoromethane		0.335	0.322	0.320	0.320	0.328	0.325	2	
Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.5	
4-Bromofluorobenzene		0.404	0.410	0.431	0.415	0.412	0.414	2.5	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X021025W.M
 Title : SW846 8260
 Last Update : Tue Feb 11 03:41:08 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.71
3) P	Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.89
4) C	Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.33#
5) T	Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.44
6) T	Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.36
7) T	Trichlorofluor...	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.32
8) T	Diethyl Ether	0.385	0.372	0.399	0.375	0.370	0.374	0.379	2.94
9) T	1,1,2-Trichlor...	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.45
10) T	Methyl Iodide		0.752	0.864	0.847	0.819	0.813	0.819	5.22
11) T	Tert butyl alc...		0.148	0.138	0.136	0.128	0.129	0.136	5.92
12) CM	1,1-Dichloroet...	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2.04#
13) T	Acrolein		0.143	0.131	0.141	0.139	0.145	0.140	3.99
14) T	Allyl chloride	1.179	1.150	1.187	1.157	1.149	1.167	1.165	1.36
15) T	Acrylonitrile	0.337	0.354	0.380	0.379	0.360	0.364	0.363	4.41
16) T	Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.26
17) T	Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3.04
18) T	Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.22
19) T	Methyl tert-bu...	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.36
20) T	Methylene Chlo...	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.82
21) T	trans-1,2-Dich...	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.74
22) T	Diisopropyl ether	2.049	2.187	2.322	2.245	2.185	2.233	2.203	4.12
23) T	Vinyl Acetate	1.540	1.750	1.892	1.860	1.843	1.892	1.796	7.56
24) P	1,1-Dichloroet...	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.86
25) T	2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.40
26) T	2,2-Dichloropr...	0.957	0.982	1.000	0.952	0.959	1.017	0.978	2.71
27) T	cis-1,2-Dichlo...	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.87
28) T	Bromochloromet...	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4.04
29) T	Tetrahydrofuran	0.299	0.310	0.335	0.329	0.313	0.317	0.317	4.13
30) C	Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.53#
31) T	Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.35
32) T	1,1,1-Trichlor...	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.26
33) S	1,2-Dichloroet...		0.764	0.718	0.723	0.707	0.747	0.732	3.17
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.335	0.322	0.320	0.320	0.328	0.325	1.98
36) T	1,1-Dichloropr...	0.472	0.467	0.490	0.463	0.457	0.465	0.469	2.47
37) T	Ethyl Acetate	0.477	0.534	0.546	0.527	0.516	0.528	0.522	4.57
38) T	Carbon Tetrach...	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.44
39) T	Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.36
40) TM	Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.69
41) T	Methacrylonitrile	0.237	0.262	0.292	0.302	0.287	0.295	0.279	8.84
42) TM	1,2-Dichloroet...	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.08
43) T	Isopropyl Acetate	0.755	0.782	0.899	0.876	0.858	0.885	0.842	7.05
44) TM	Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.20
45) C	1,2-Dichloropr...	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.32#
46) T	Dibromomethane	0.236	0.245	0.270	0.255	0.252	0.258	0.253	4.48
47) T	Bromodichlorom...	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.60
48) T	Methyl methacr...	0.330	0.367	0.424	0.421	0.414	0.427	0.397	10.05
49) T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.008	0.008	0.009	6.54
50) S	Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.49
51) T	4-Methyl-2-Pen...	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.61
52) CM	Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.74#
53) T	t-1,3-Dichloro...	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10.04
54) T	cis-1,3-Dichlo...	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.49
55) T	1,1,2-Trichlor...	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.44
56) T	Ethyl methacry...	0.462	0.488	0.583	0.577	0.568	0.571	0.542	9.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X021025W.M

57)	T	1,3-Dichloropr...	0.531	0.586	0.641	0.605	0.579	0.578	0.587	6.13
58)	T	2-Chloroethyl ...	0.213	0.249	0.284	0.288	0.281	0.281	0.266	11.18
59)	T	2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.31
60)	T	Dibromochlorom...	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.71
61)	T	1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.55
62)	S	4-Bromofluorob...	0.404	0.410	0.431	0.415	0.412	0.414		2.47
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.43
65)	PM	Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.32
66)	T	1,1,1,2-Tetrac...	0.302	0.338	0.365	0.354	0.355	0.360	0.346	6.76
67)	C	Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.87#
68)	T	m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.58
69)	T	o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.36
70)	T	Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.38
71)	P	Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.69
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.95
74)	T	N-amyl acetate	1.431	1.744	1.915	1.902	1.889	2.051	1.822	11.80
75)	P	1,1,2,2-Tetrac...	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.61
76)	T	1,2,3-Trichlor...	1.046	1.153	1.141	1.106	1.085	1.120	1.109	3.53
77)	T	Bromobenzene	0.847	0.920	0.978	0.911	0.897	0.923	0.913	4.65
78)	T	n-propylbenzene	4.049	4.600	4.974	4.723	4.699	4.837	4.647	6.88
79)	T	2-Chlorotoluene	2.859	2.860	3.034	2.842	2.720	2.820	2.856	3.56
80)	T	1,3,5-Trimethy...	2.981	3.326	3.543	3.319	3.201	3.233	3.267	5.64
81)	T	trans-1,4-Dich...	0.346	0.417	0.437	0.457	0.498	0.431		13.01
82)	T	4-Chlorotoluene	2.958	3.156	3.320	3.193	3.116	3.214	3.160	3.81
83)	T	tert-Butylbenzene	3.097	3.350	3.539	3.312	3.236	3.296	3.305	4.38
84)	T	1,2,4-Trimethy...	2.687	3.252	3.535	3.359	3.220	3.295	3.225	8.87
85)	T	sec-Butylbenzene	3.692	4.025	4.421	4.146	4.102	4.169	4.093	5.80
86)	T	p-Isopropyltol...	2.844	3.229	3.546	3.402	3.325	3.401	3.291	7.37
87)	T	1,3-Dichlorobe...	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.49
88)	T	1,4-Dichlorobe...	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.22
89)	T	n-Butylbenzene	2.138	2.696	3.087	3.105	3.194	3.251	2.912	14.63
90)	T	Hexachloroethane	0.533	0.589	0.629	0.615	0.643	0.689	0.616	8.53
91)	T	1,2-Dichlorobe...	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.30
92)	T	1,2-Dibromo-3-...	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.87
93)	T	1,2,4-Trichlor...	0.860	0.934	1.013	1.013	1.057	1.112	0.998	8.98
94)	T	Hexachlorobuta...	0.383	0.376	0.416	0.383	0.408	0.411	0.396	4.36
95)	T	Naphthalene	2.824	3.432	3.879	3.752	3.771	3.991	3.608	11.84
96)	T	1,2,3-Trichlor...	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.75

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 11 03:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.160	85	1939m	1.031	ug/l	
3) Chloromethane	1.307	50	2571	1.123	ug/l	94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l	96
6) Chloroethane	1.666	64	1341	2.592	ug/l	91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l	88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l #	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l #	88
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l	85
14) Allyl chloride	2.654	41	3164	1.013	ug/l	90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l	95
16) Acetone	2.380	43	4095	5.188	ug/l	92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l #	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l #	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l	96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l #	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l	99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l #	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l	93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l	76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l	91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l #	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l	99
30) Chloroform	5.093	83	3132	0.976	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l #	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l	94
37) Ethyl Acetate	4.721	43	2426m	0.915	ug/l	
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l #	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l	96
40) Benzene	6.038	78	6963	0.935	ug/l	94
41) Methacrylonitrile	4.958	41	1205m	0.849	ug/l	
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l	84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l #	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l	76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936	ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l	96
52) Toluene	8.714	92	3943	0.889	ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914	ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996	ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240	ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885	ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888	ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971	ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874	ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892	ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763	ug/l	100
69) o-Xylene	10.640	106	2889	0.942	ug/l	97
70) Styrene	10.659	104	3974	0.804	ug/l	97
71) Bromoform	10.799	173	813	0.721	ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928	ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	1898m	0.943	ug/l	
77) Bromobenzene	11.201	156	1537	0.928	ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871	ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913	ug/l	98
82) 4-Chlorotoluene	11.457	91	5367	0.936	ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833	ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902	ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	3016m	0.979	ug/l	
89) n-Butylbenzene	12.335	91	3880	0.734	ug/l	93
90) Hexachloroethane	12.536	117	968	0.866	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861	ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966	ug/l	99
95) Naphthalene	13.780	128	5125	0.783	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853	ug/l	93

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

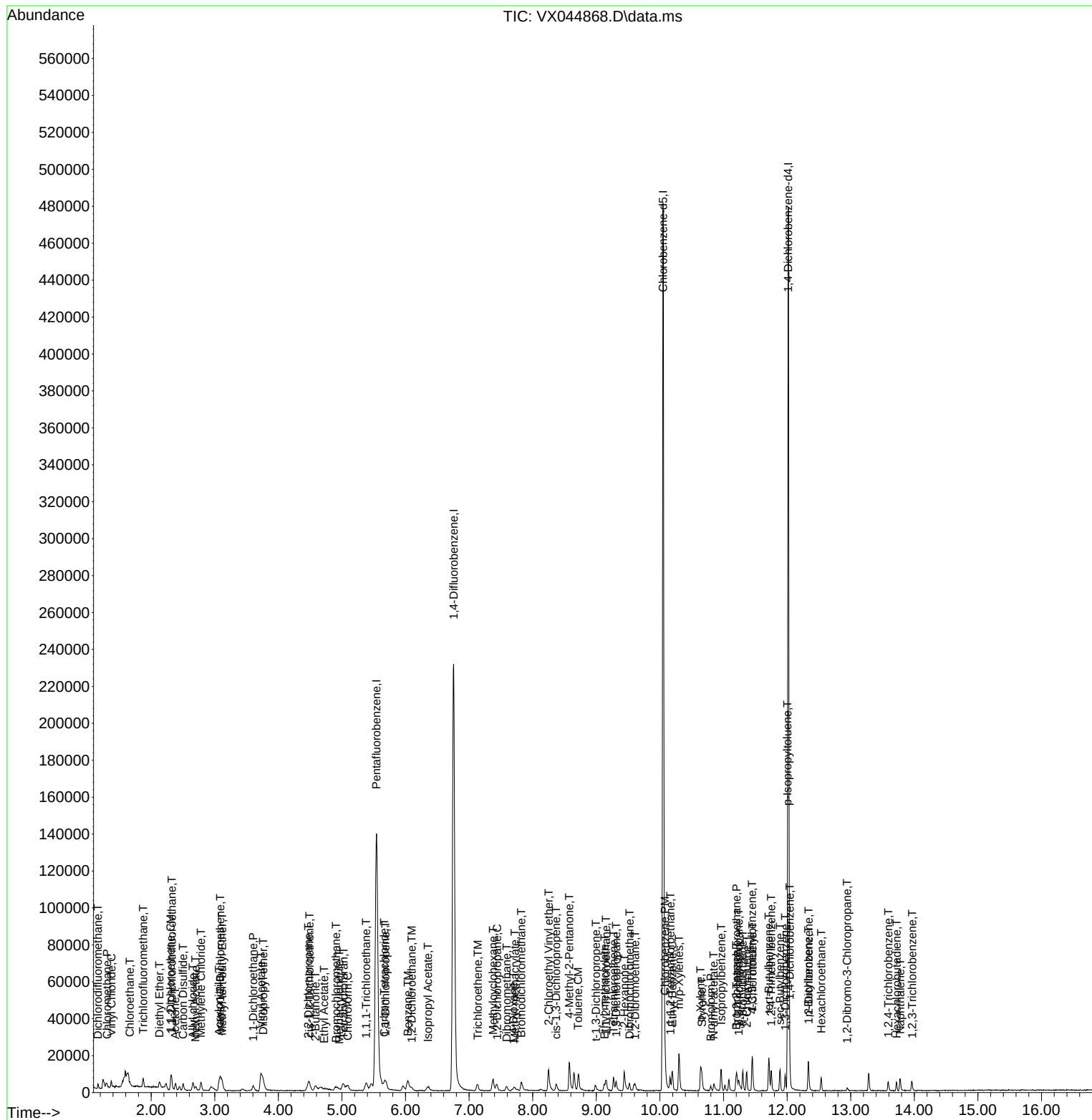
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On    : 10 Feb 2025  10:25
Operator  : JC/MD
Sample    : VSTDIC001
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 3      Sample Multiplier: 1
```

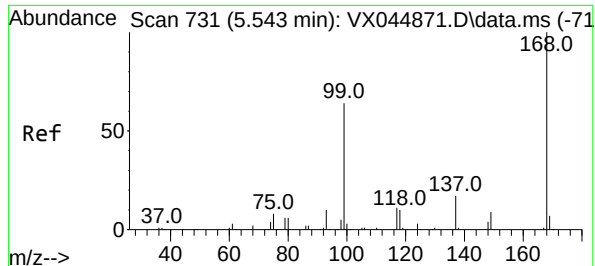
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

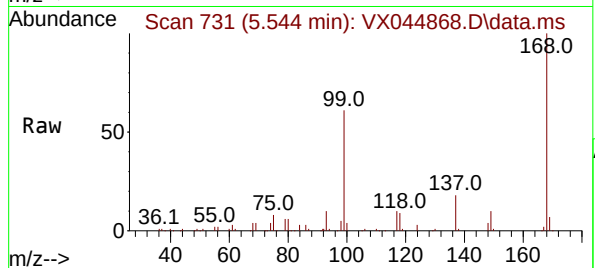
Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

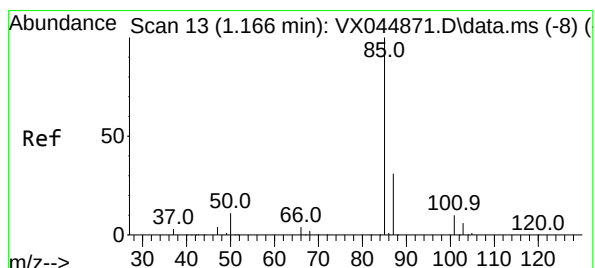
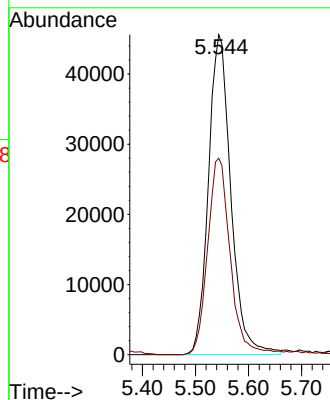
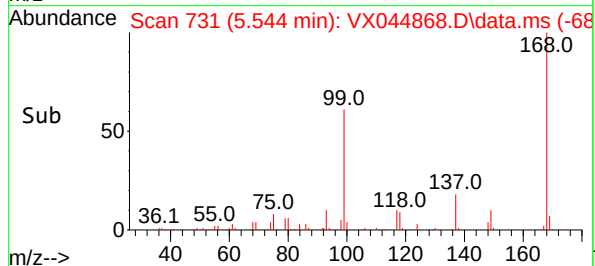
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 168 Resp: 134134
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8

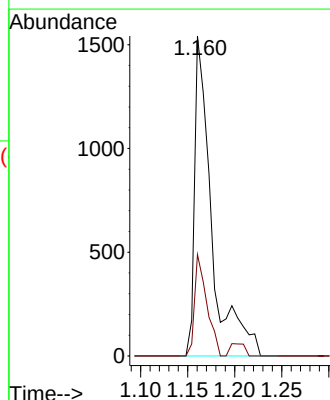
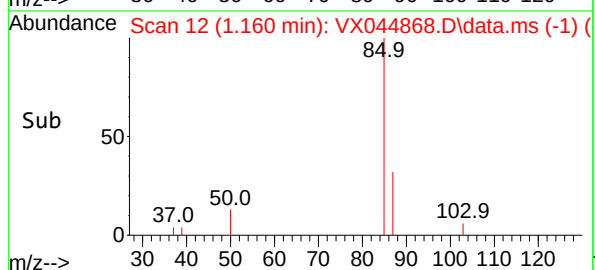
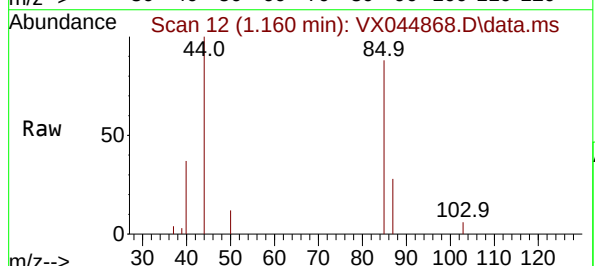
Manual Integrations
APPROVED

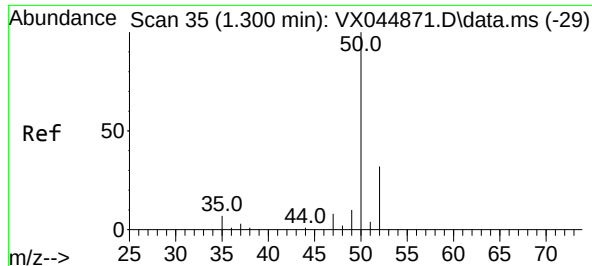
Reviewed By : John Carlone 02/11/2025
Supervised By : Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 1.031 ug/l m
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1939
Ion Ratio Lower Upper
85 100
87 31.7 15.8 47.3





#3

Chloromethane

Concen: 1.123 ug/l

RT: 1.307 min Scan# 30

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 257

Ion Ratio Lower Upper

50 100

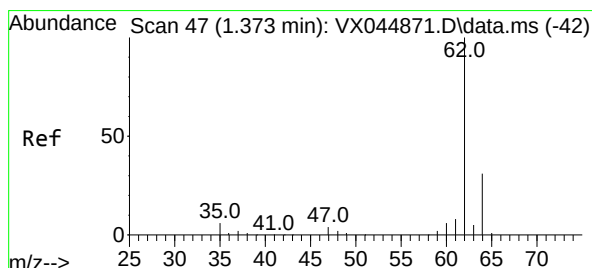
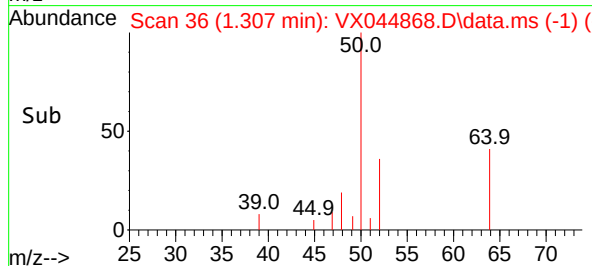
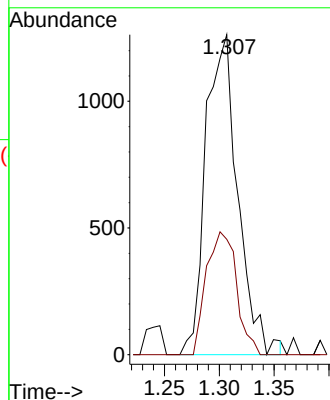
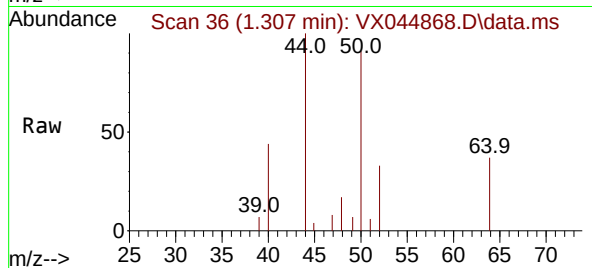
52 36.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#4

Vinyl Chloride

Concen: 1.015 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044868.D

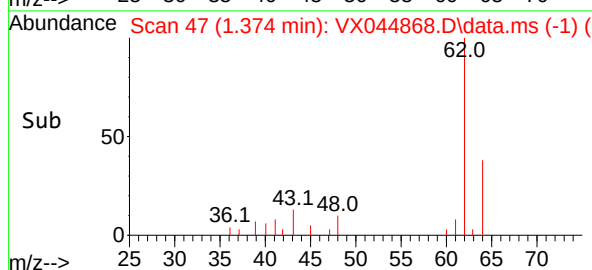
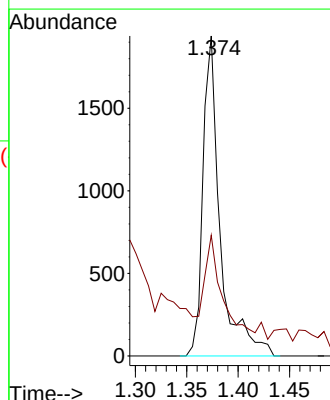
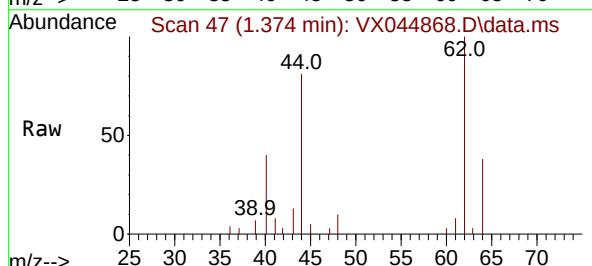
Acq: 10 Feb 2025 10:25

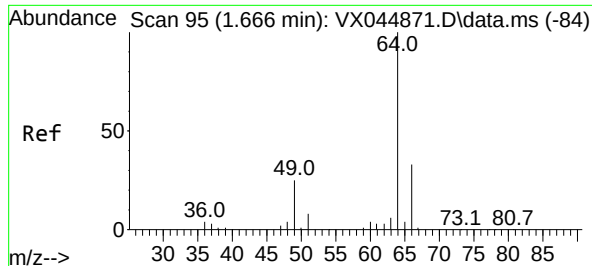
Tgt Ion: 62 Resp: 2252

Ion Ratio Lower Upper

62 100

64 29.4 25.4 38.0





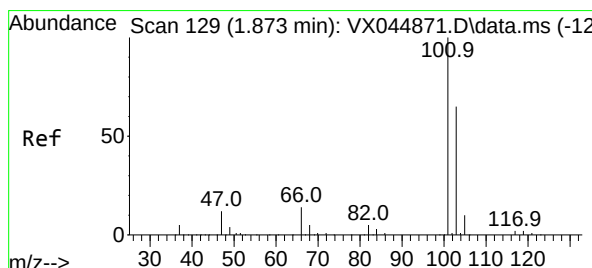
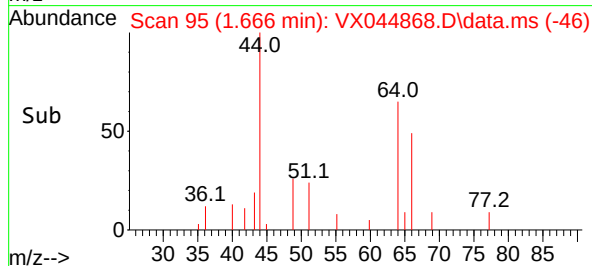
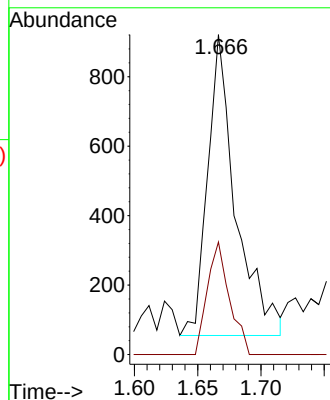
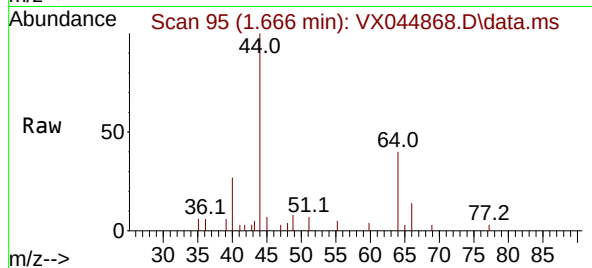
#6
Chloroethane
Concen: 2.592 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 37.4 25.9 38.9

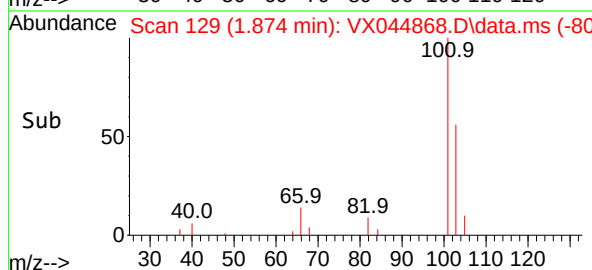
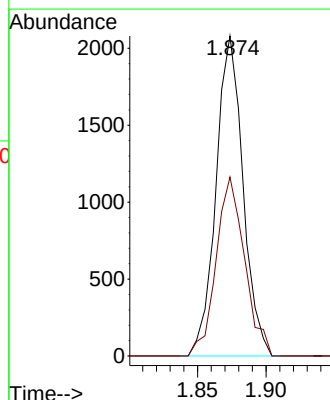
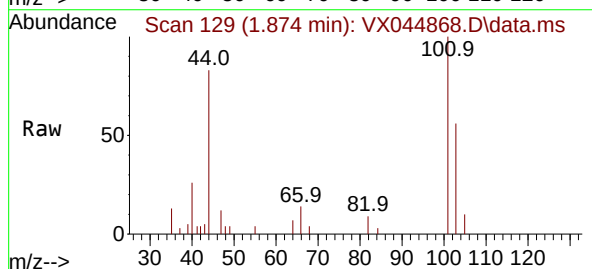
Manual Integrations
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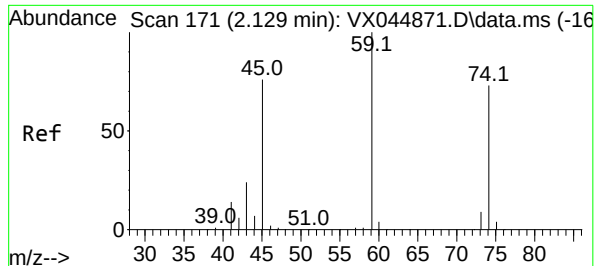
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:101 Resp: 2849
Ion Ratio Lower Upper
101 100
103 55.9 52.4 78.6



#8
Diethyl Ether

Concen: 1.014 ug/l

RT: 2.130 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 74 Resp: 103

Ion Ratio Lower Upper

74 100

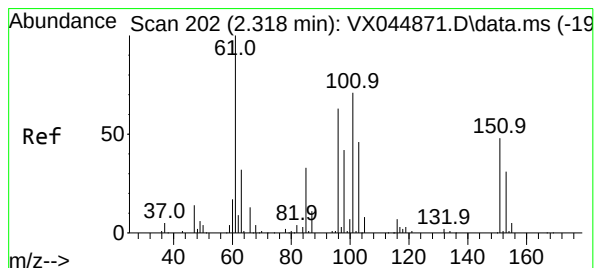
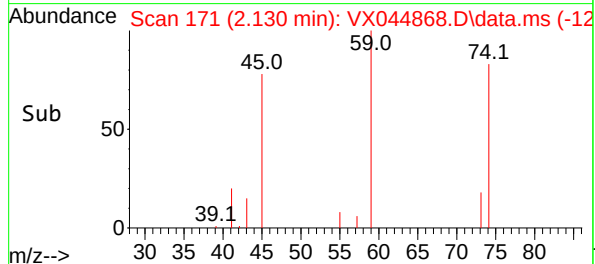
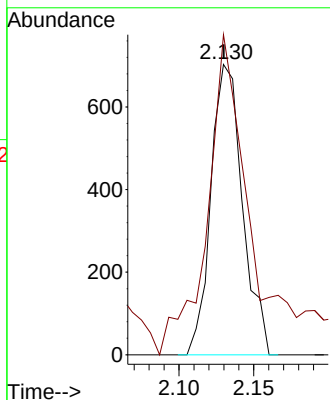
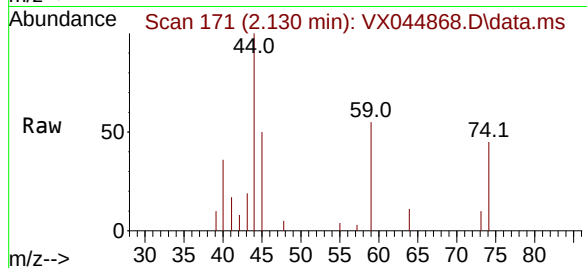
45 166.1 51.1 153.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.923 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

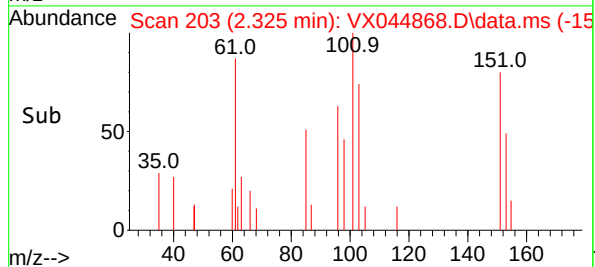
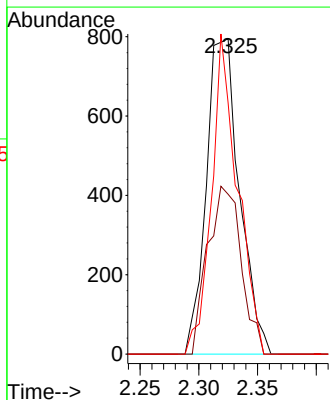
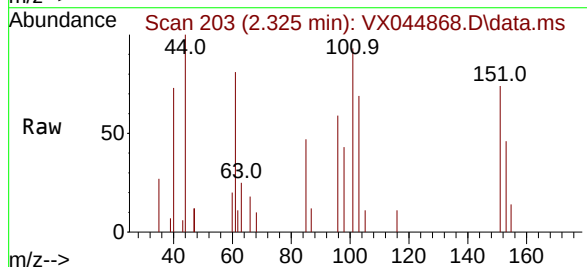
Tgt Ion:101 Resp: 1564

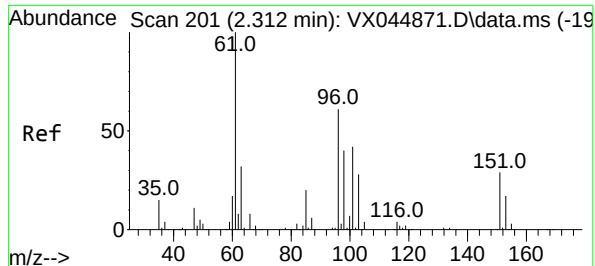
Ion Ratio Lower Upper

101 100

85 53.6 35.7 53.5#

151 79.3 56.0 84.0





#12

1,1-Dichloroethene

Concen: 1.005 ug/l

RT: 2.307 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

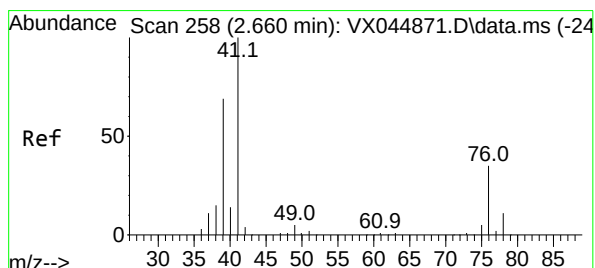
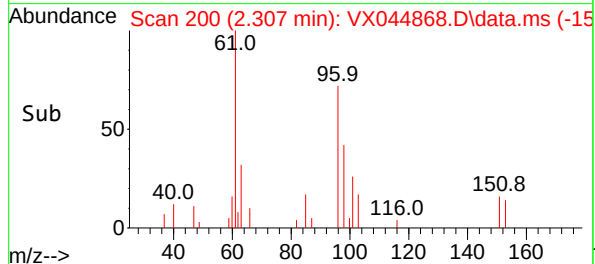
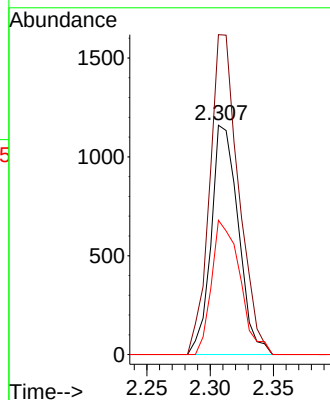
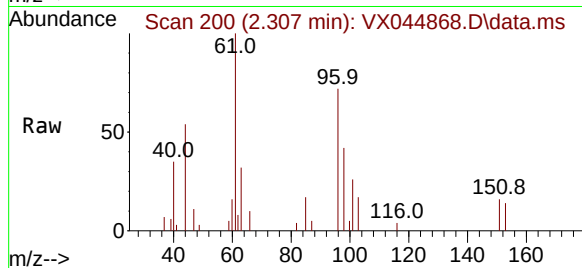
VSTDICC001

Tgt Ion:	96	Resp:	173
Ion	Ratio	Lower	Upper
96	100		
61	139.5	130.2	195.4
98	58.5	52.2	78.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 1.013 ug/l

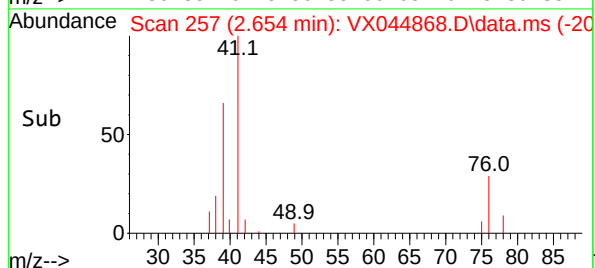
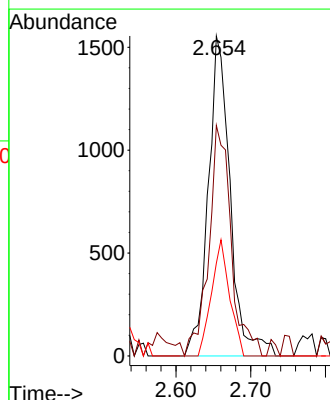
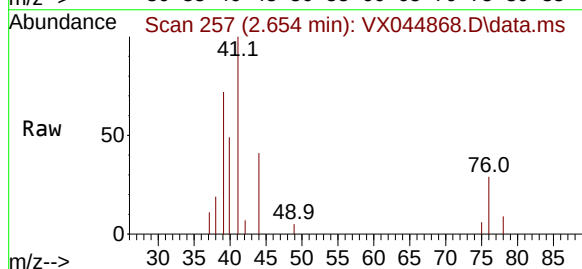
RT: 2.654 min Scan# 257

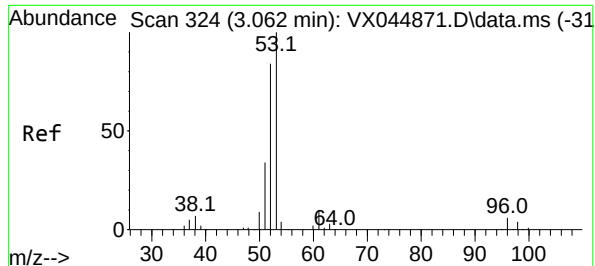
Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	41	Resp:	3164
Ion	Ratio	Lower	Upper
41	100		
39	73.5	51.4	77.2
76	29.9	27.0	40.4





#15

Acrylonitrile

Concen: 4.655 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

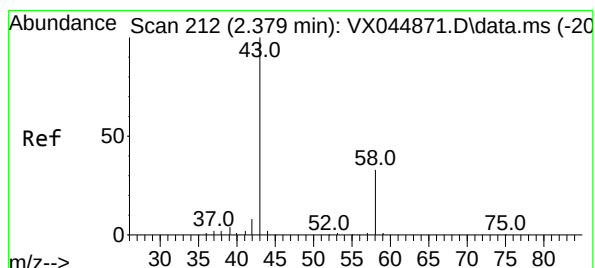
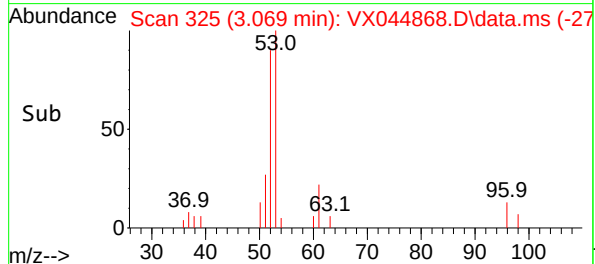
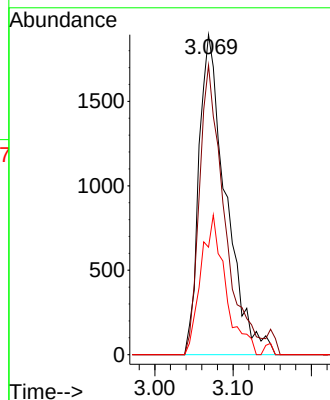
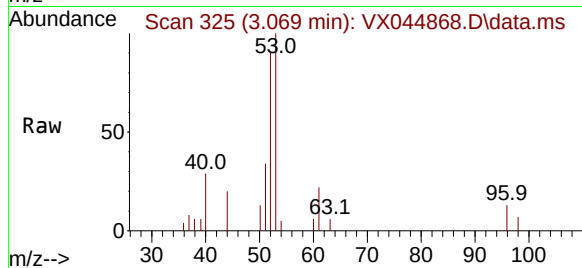
VSTDICC001

Tgt Ion: 53	Resp: 452
Ion Ratio	Lower Upper
53 100	
52 84.7	65.0 97.6
51 40.0	28.0 42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 5.188 ug/l

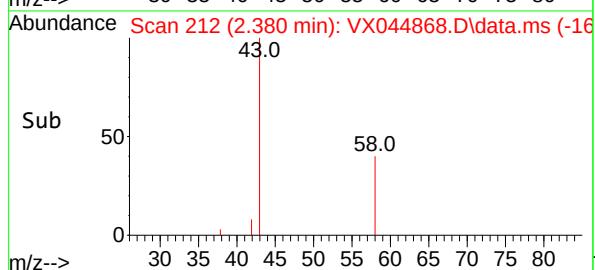
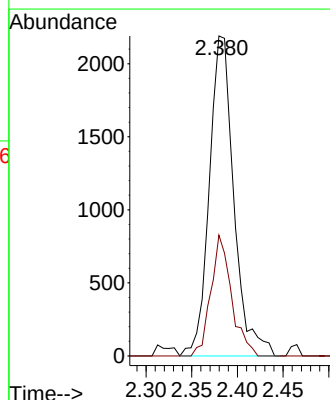
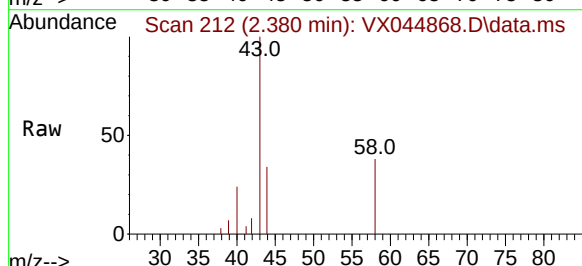
RT: 2.380 min Scan# 212

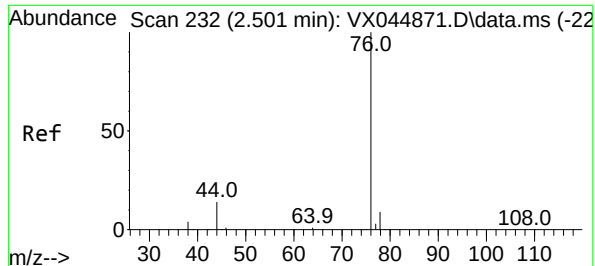
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 43	Resp: 4095
Ion Ratio	Lower Upper
43 100	
58 37.8	26.5 39.7





#17

Carbon Disulfide

Concen: 0.956 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 453

Ion Ratio Lower Upper

76 100

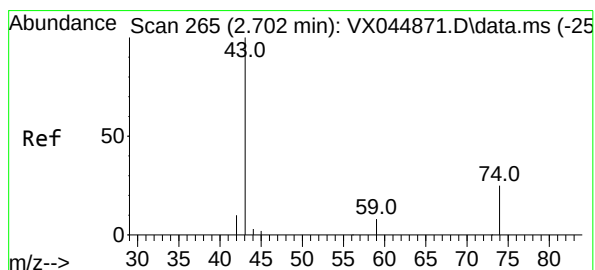
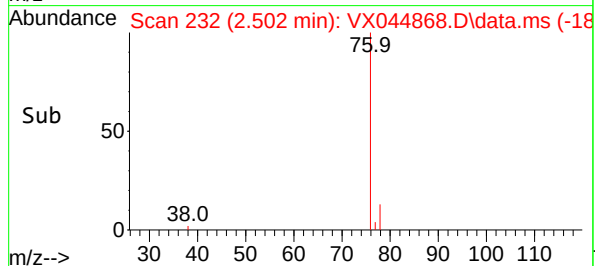
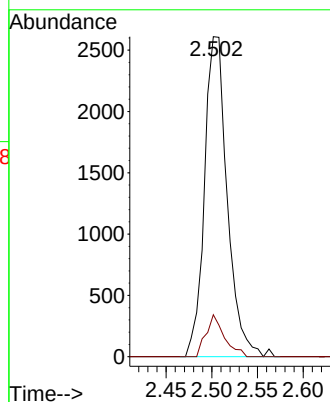
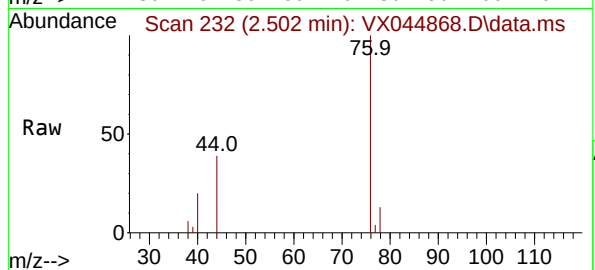
78 13.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 0.950 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044868.D

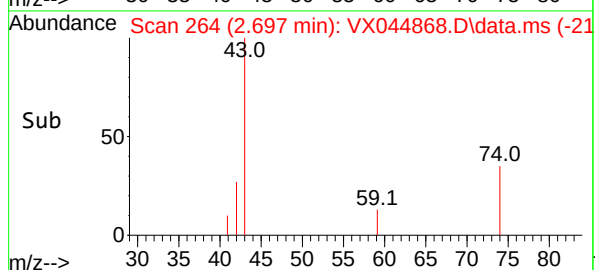
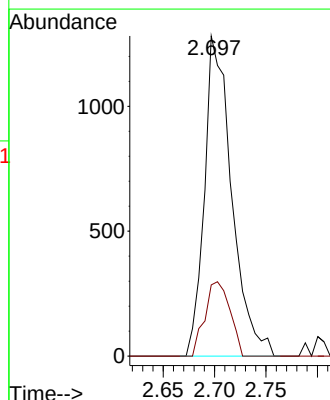
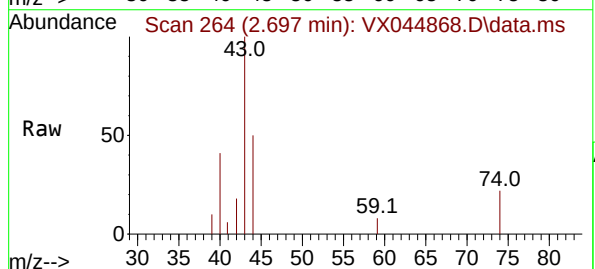
Acq: 10 Feb 2025 10:25

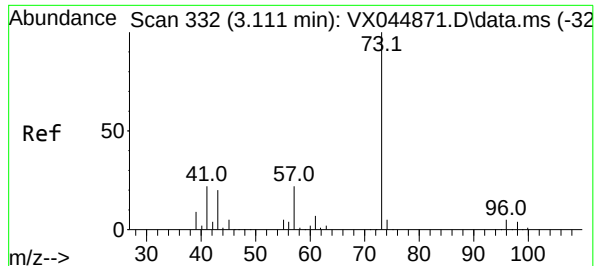
Tgt Ion: 43 Resp: 2367

Ion Ratio Lower Upper

43 100

74 21.3 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 0.946 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 5200

Ion Ratio Lower Upper

73 100

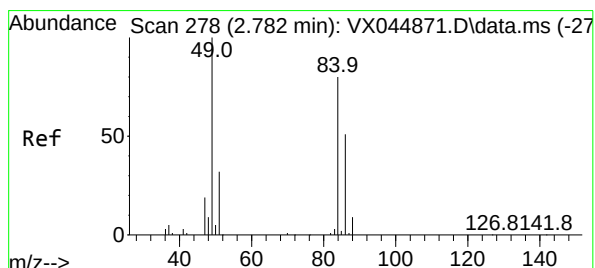
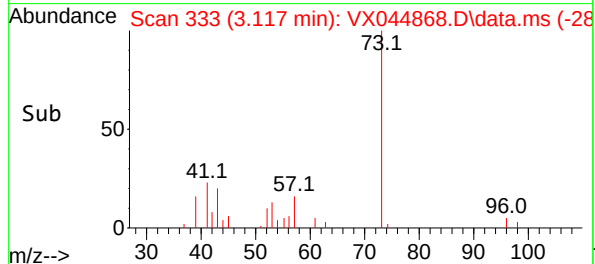
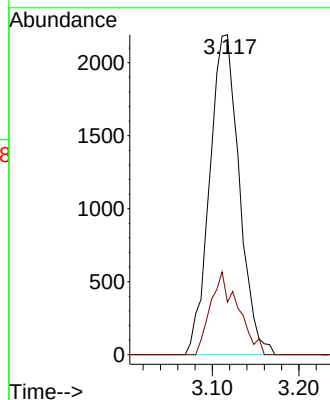
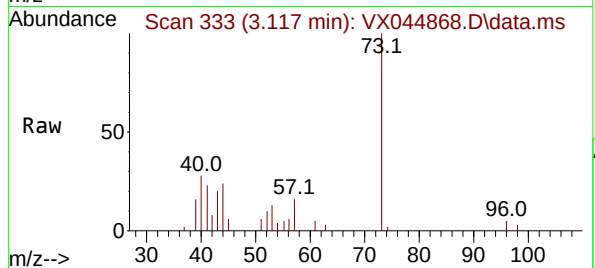
57 16.4 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 1.037 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005

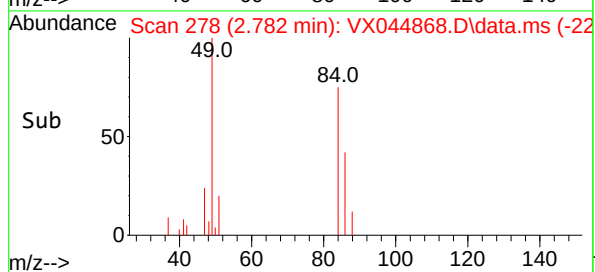
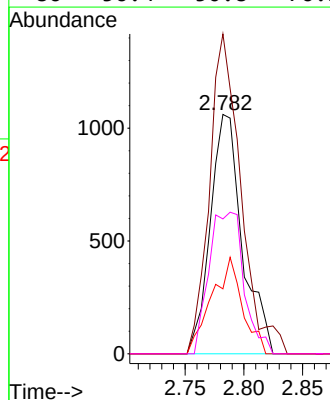
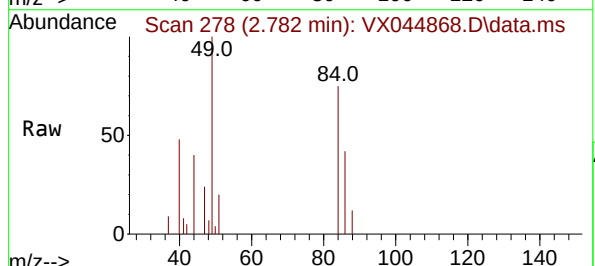
Ion Ratio Lower Upper

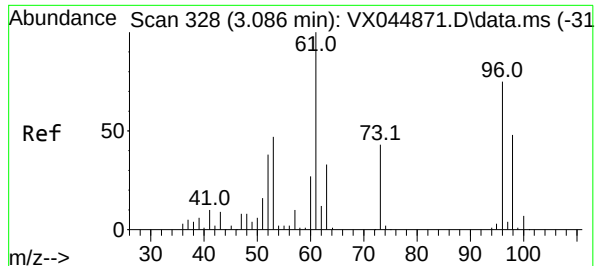
84 100

49 133.6 100.1 150.1

51 27.1 31.7 47.5

86 56.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 0.959 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 96 Resp: 163

Ion Ratio Lower Upper

96 100

61 138.8 106.0 159.0

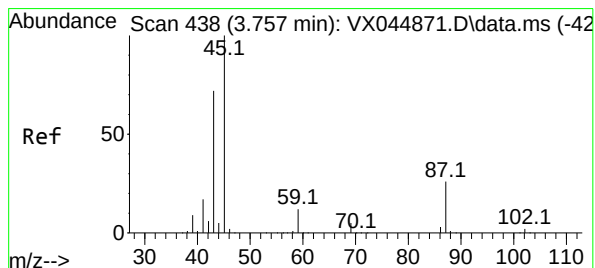
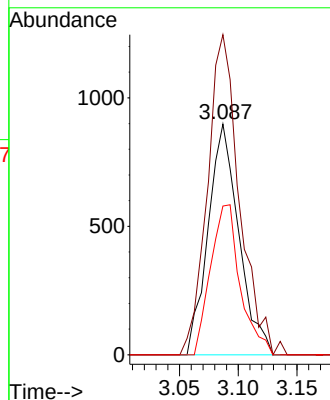
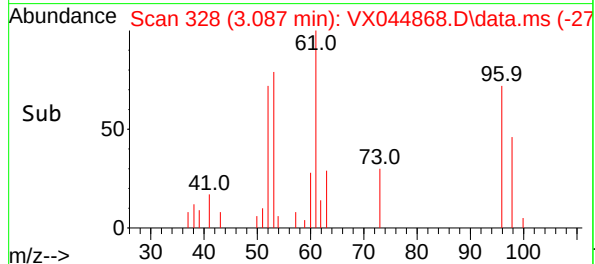
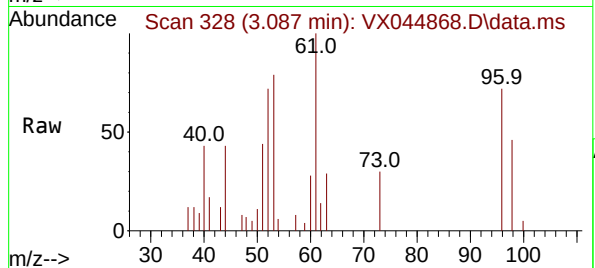
98 64.5 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#22

Diisopropyl ether

Concen: 0.930 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496

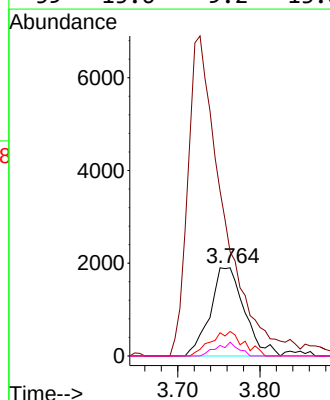
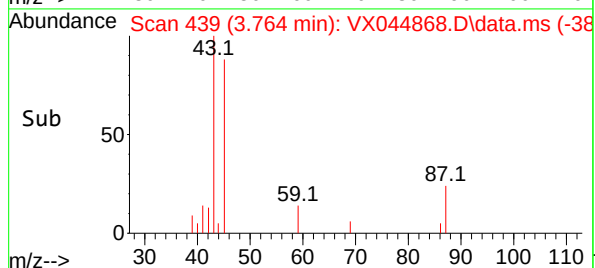
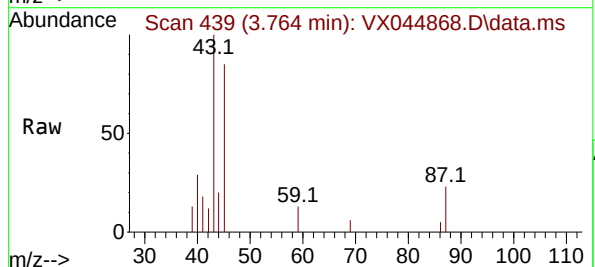
Ion Ratio Lower Upper

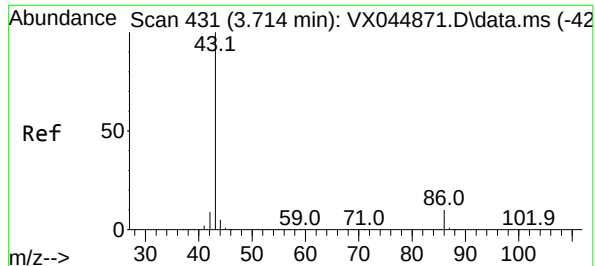
45 100

43 101.2 58.0 87.0#

87 27.8 20.7 31.1

59 15.6 9.2 13.8#





#23

Vinyl Acetate

Concen: 4.288 ug/l

RT: 3.727 min Scan# 413

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 2066

Ion Ratio Lower Upper

43 100

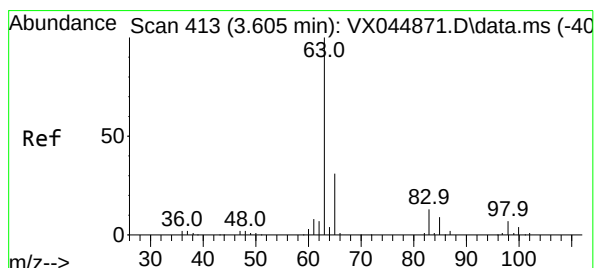
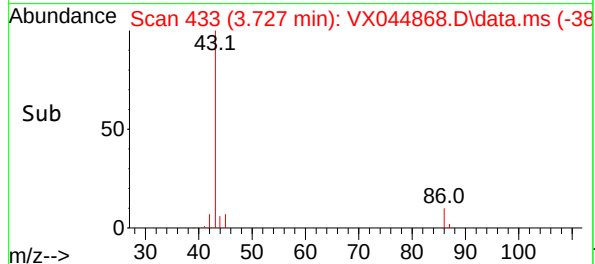
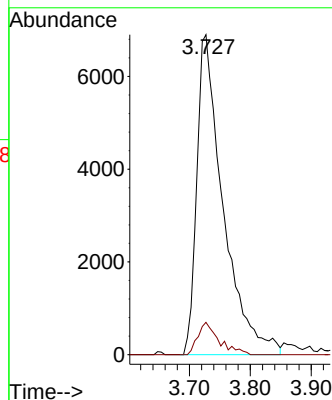
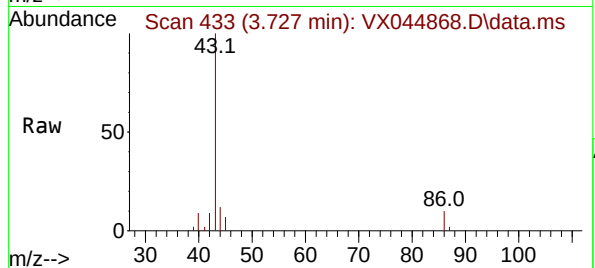
86 10.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 0.937 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

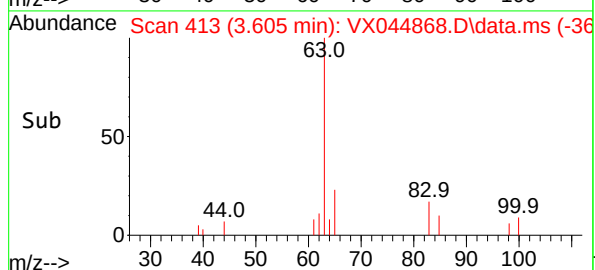
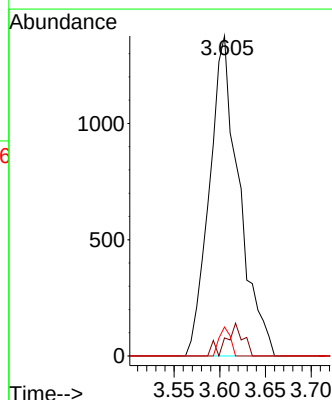
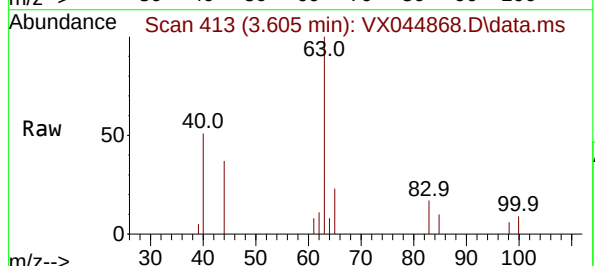
Tgt Ion: 63 Resp: 3099

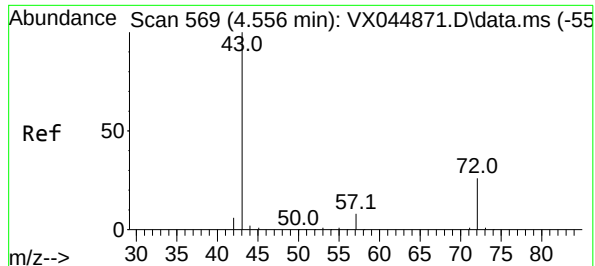
Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.9

100 9.1 2.1 6.5





#25

2-Butanone

Concen: 4.416 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 566

Ion Ratio Lower Upper

43 100

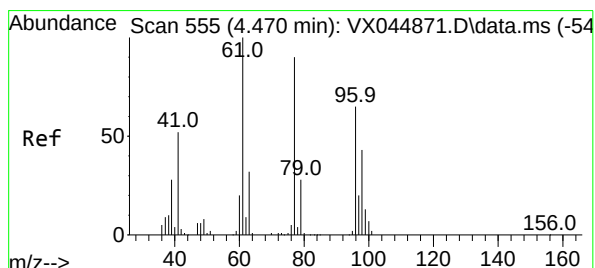
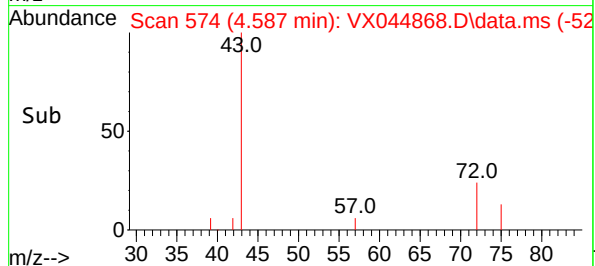
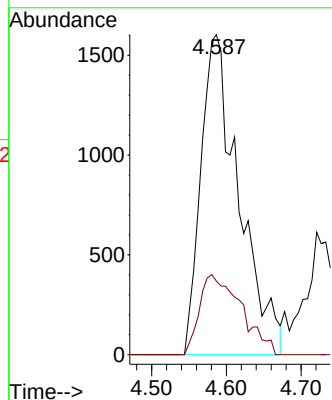
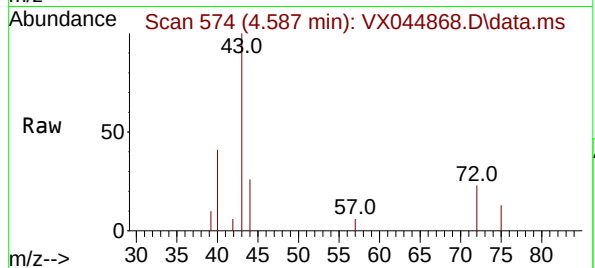
72 23.0 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 0.978 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044868.D

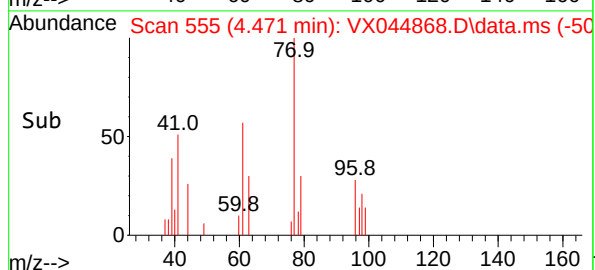
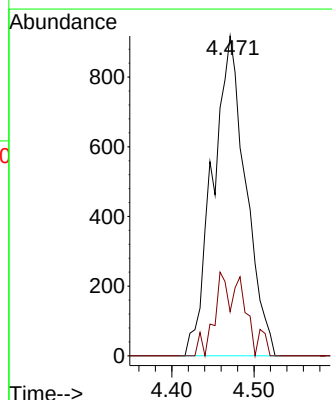
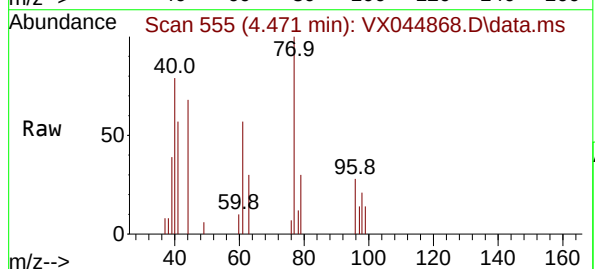
Acq: 10 Feb 2025 10:25

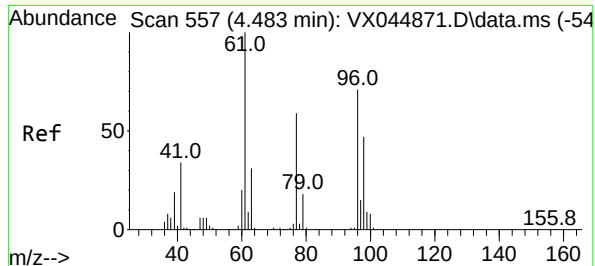
Tgt Ion: 77 Resp: 2566

Ion Ratio Lower Upper

77 100

97 11.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 0.893 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

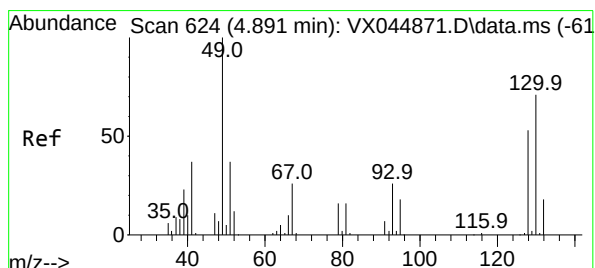
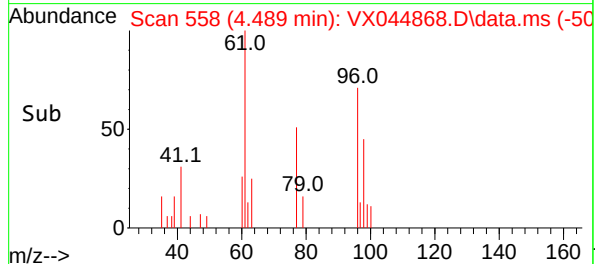
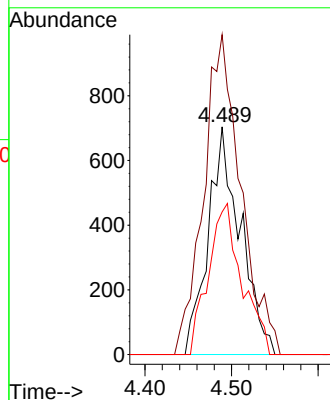
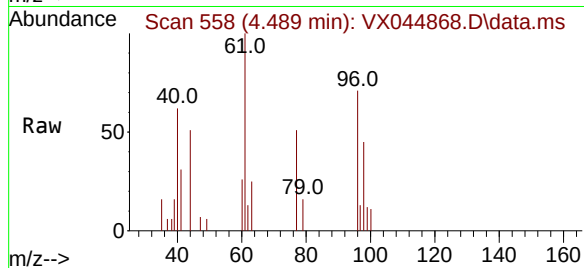
VSTDIC001

Tgt Ion: 96	Resp: 182
Ion Ratio	Lower Upper
96 100	
61 161.6	0.0 294.0
98 68.9	0.0 131.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 1.071 ug/l

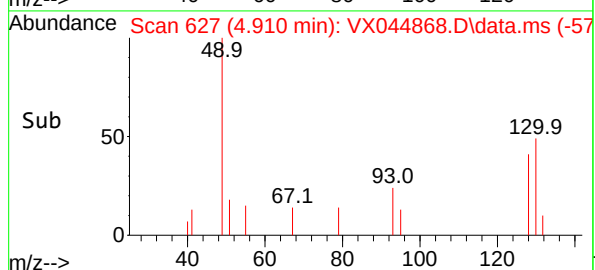
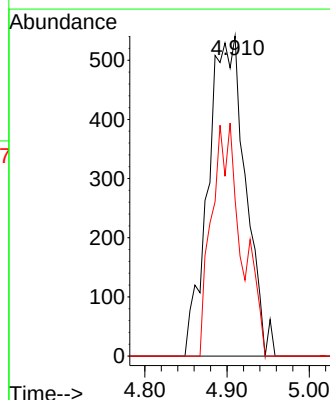
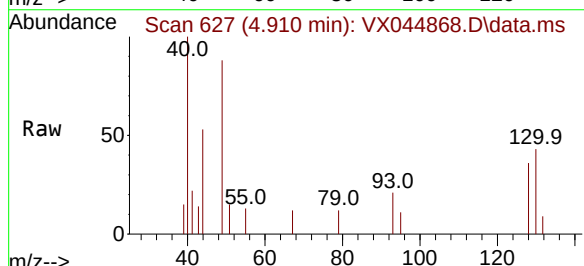
RT: 4.910 min Scan# 627

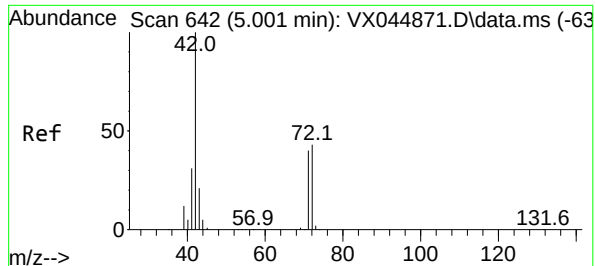
Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 49	Resp: 1702
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 3.6
130 49.6	56.7 85.1#





#29

Tetrahydrofuran

Concen: 4.716 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

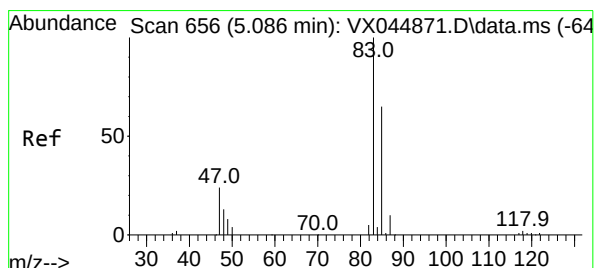
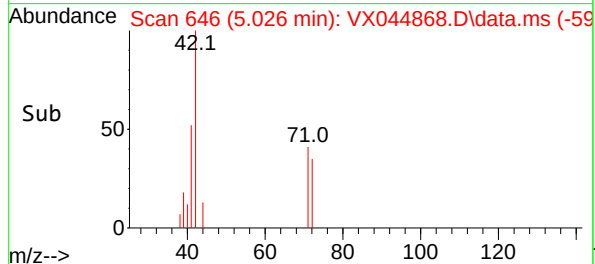
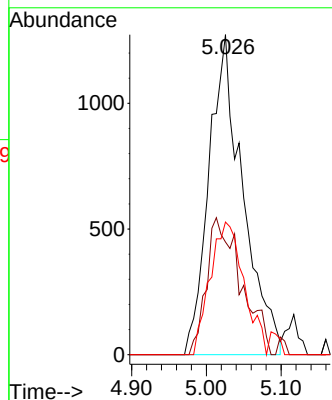
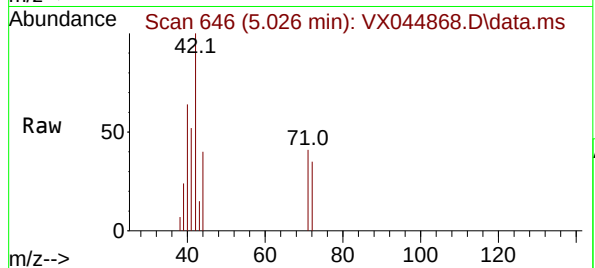
Tgt Ion:	42	Resp:	4014
Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.0	52.4
71	41.3	32.6	48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 0.976 ug/l

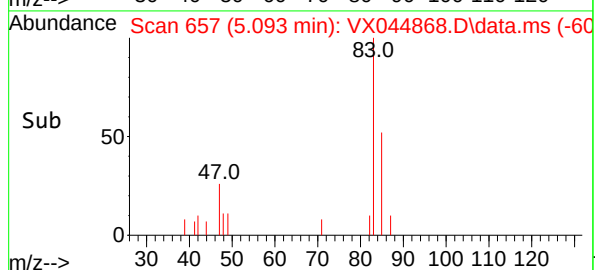
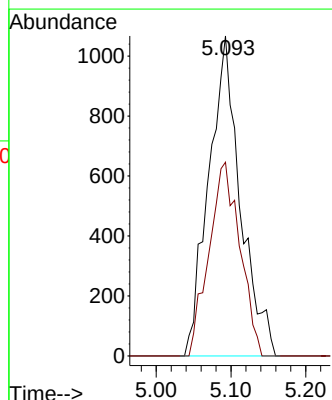
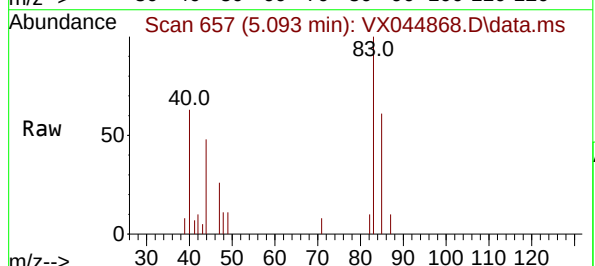
RT: 5.093 min Scan# 657

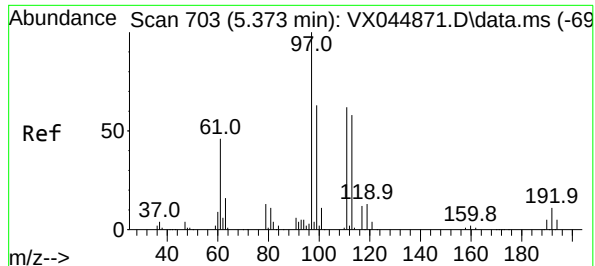
Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	83	Resp:	3132
Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1





#32

1,1,1-Trichloroethane

Concen: 1.000 ug/l

RT: 5.379 min Scan# 70

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

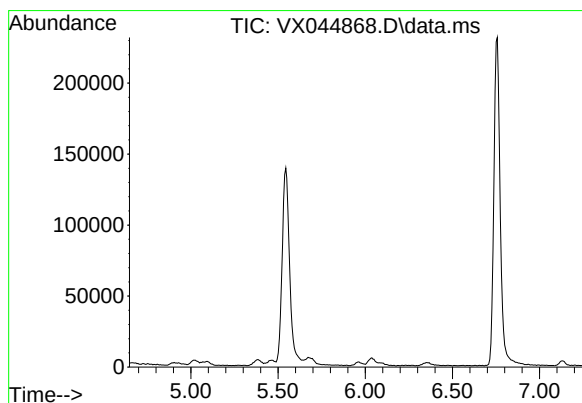
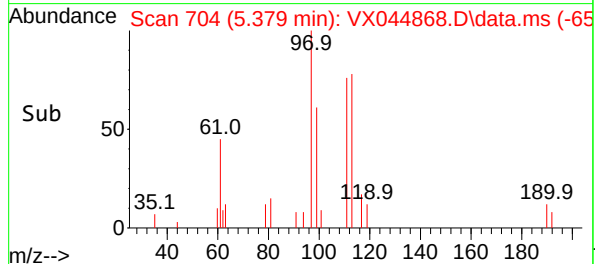
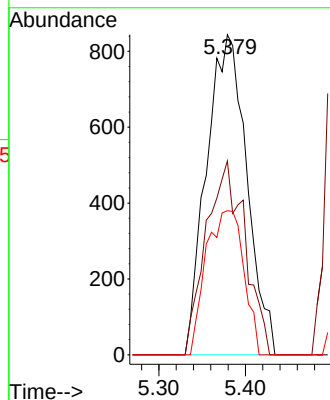
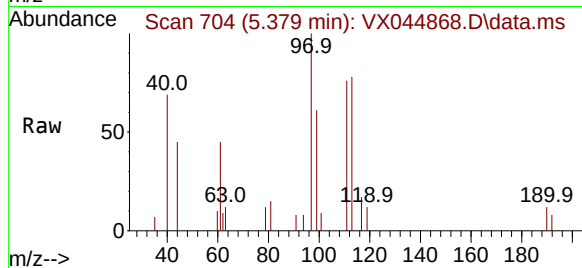
Tgt Ion: 97	Resp: 272
Ion Ratio	Lower Upper
97	100
99	0.0 51.0 76.6
61	42.2 36.6 55.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX044868.D

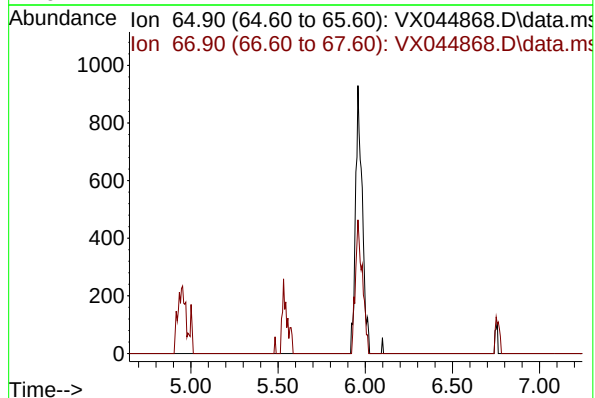
Acq: 10 Feb 2025 10:25

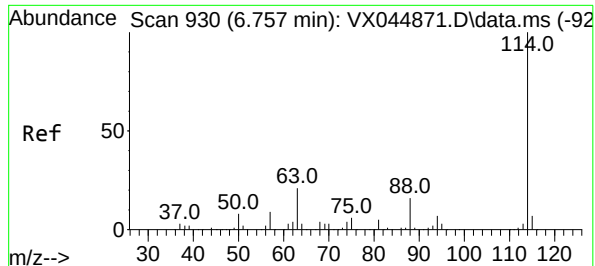
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.1





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 254149

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

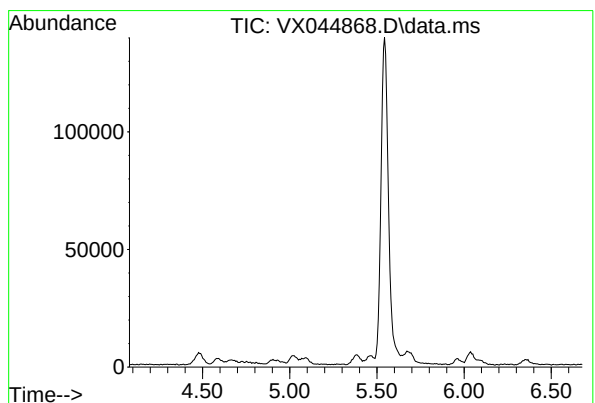
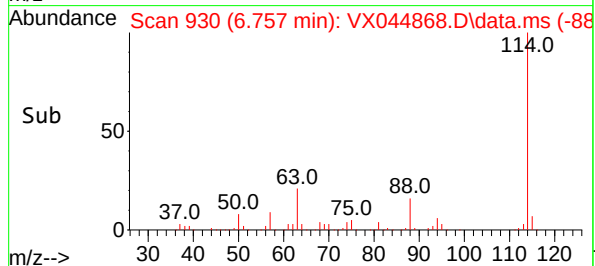
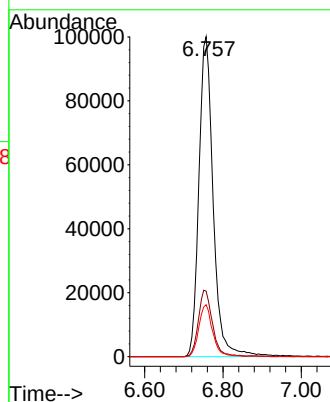
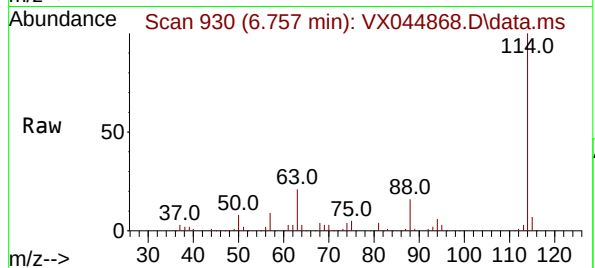
88 16.3 0.0 31.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.38 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

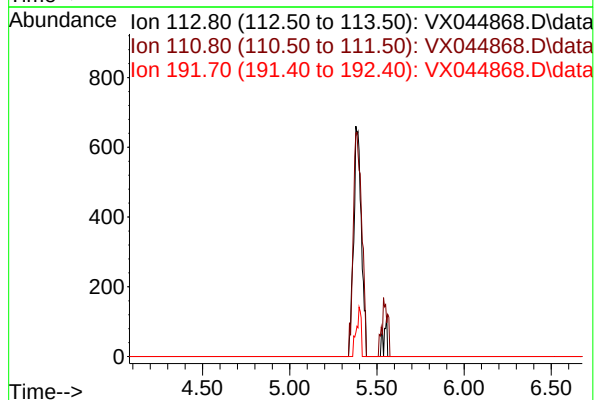
Tgt Ion: 113

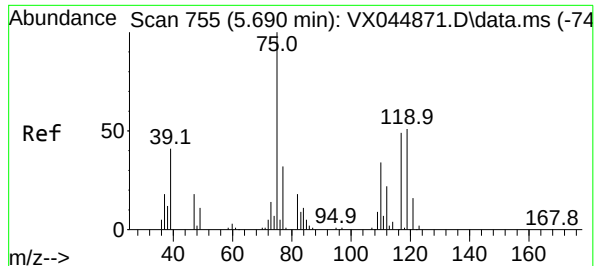
Sig Exp Ratio

113 100

111 104.4

192 18.0





#36

1,1-Dichloropropene

Concen: 1.006 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

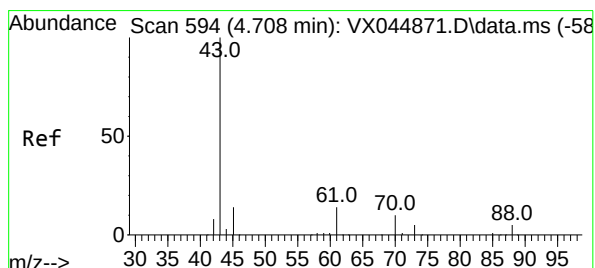
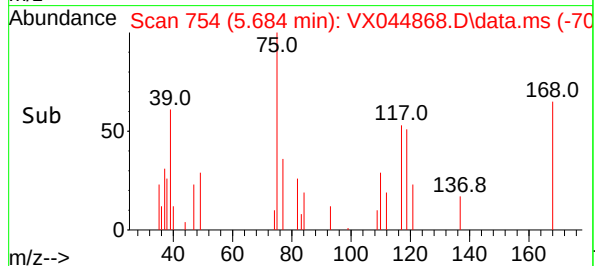
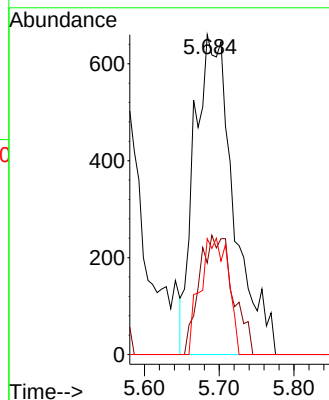
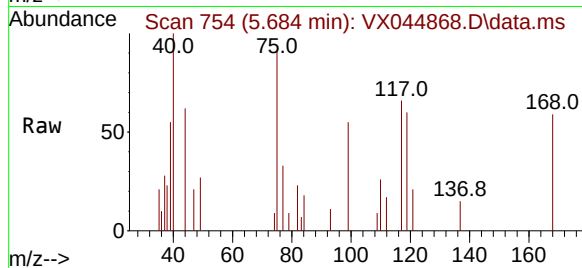
Tgt Ion:	75	Resp:	239
Ion	Ratio	Lower	Upper
75	100		
110	32.1	17.2	51.6
77	26.3	24.6	37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#37

Ethyl Acetate

Concen: 0.915 ug/l m

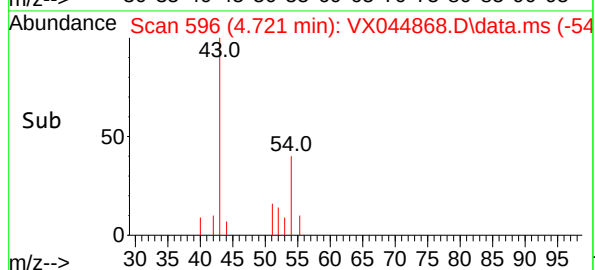
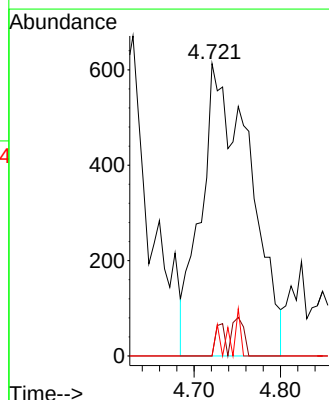
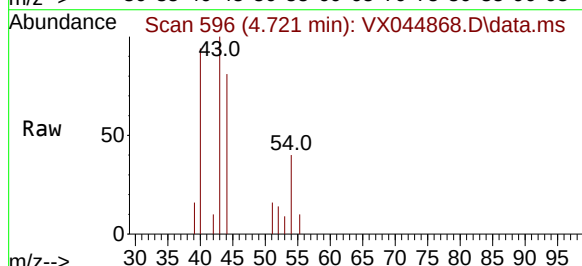
RT: 4.721 min Scan# 596

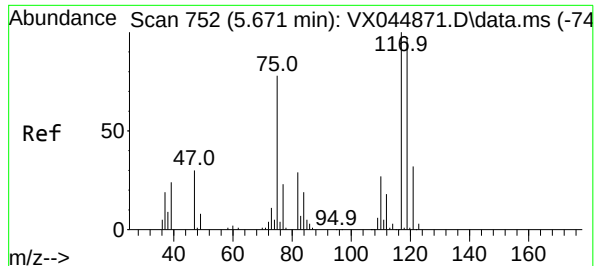
Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	43	Resp:	2426
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	1.0	8.2	12.2#





#38

Carbon Tetrachloride

Concen: 0.994 ug/l

RT: 5.666 min Scan# 70

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

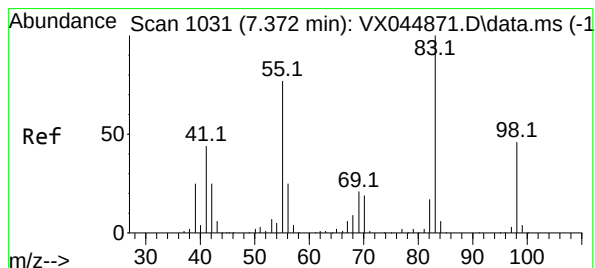
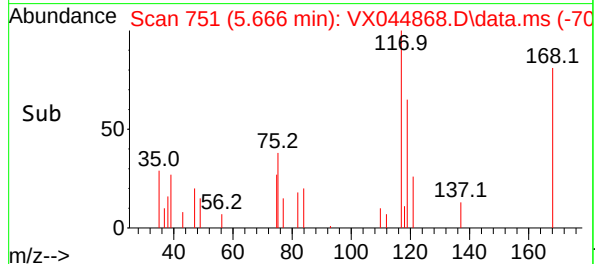
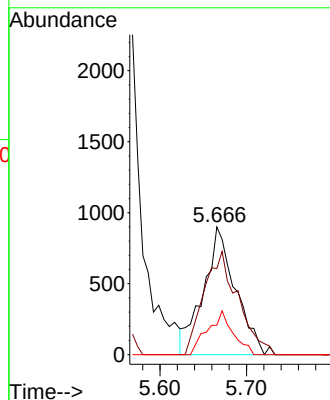
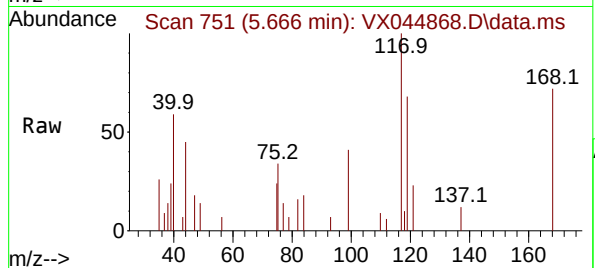
VSTDICC001

Tgt Ion:	117	Resp:	232
Ion	Ratio	Lower	Upper
117	100		
119	67.5	77.5	116.3
121	23.0	25.6	38.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#39

Methylcyclohexane

Concen: 0.840 ug/l

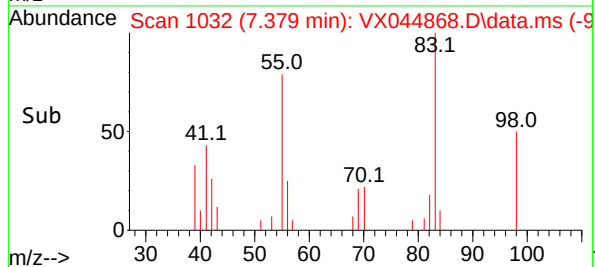
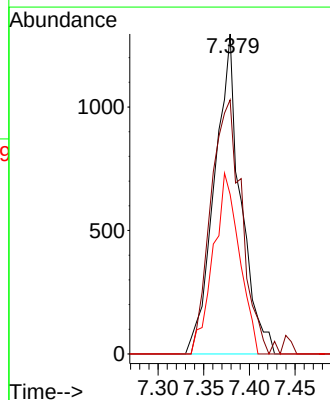
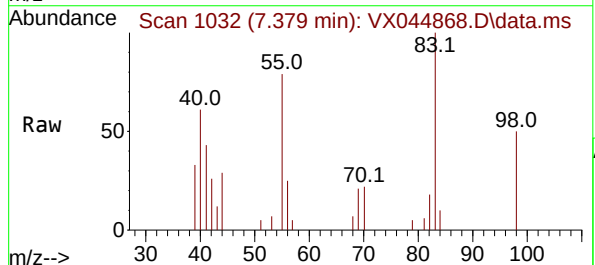
RT: 7.379 min Scan# 1032

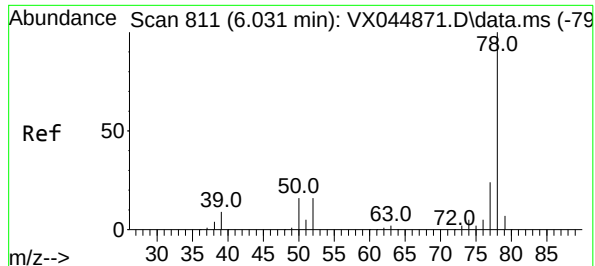
Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	83	Resp:	2589
Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.3	91.9
98	49.8	37.0	55.6





#40

Benzene

Concen: 0.935 ug/l

RT: 6.038 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 696

Ion Ratio Lower Upper

78 100

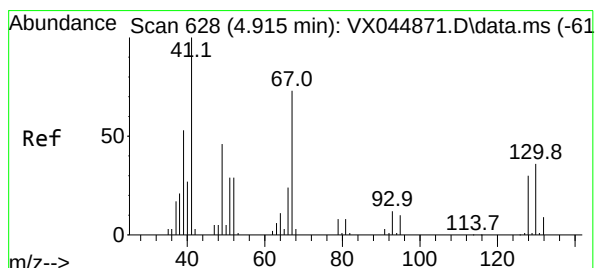
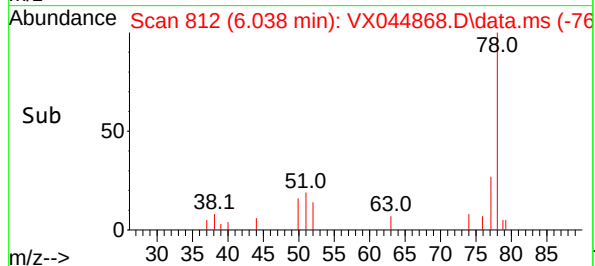
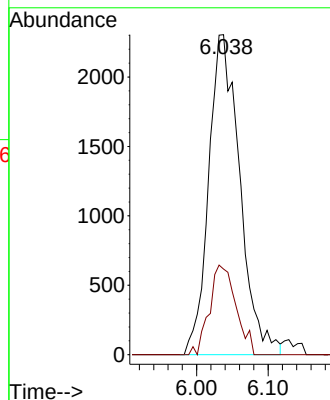
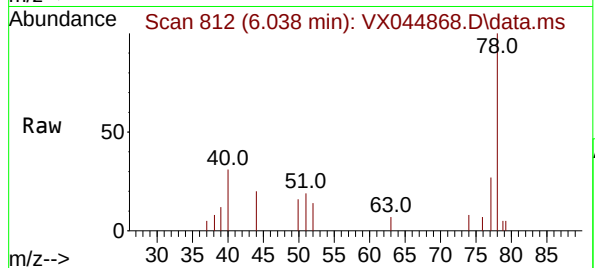
77 26.8 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#41

Methacrylonitrile

Concen: 0.849 ug/l m

RT: 4.958 min Scan# 635

Delta R.T. 0.043 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 1205

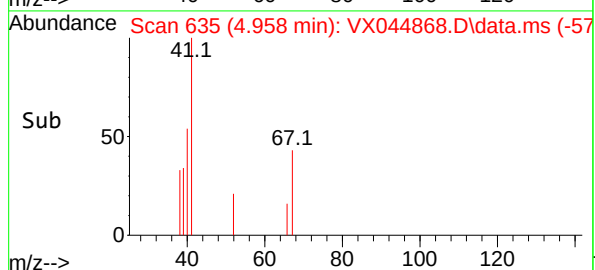
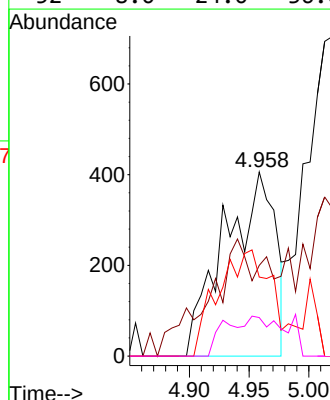
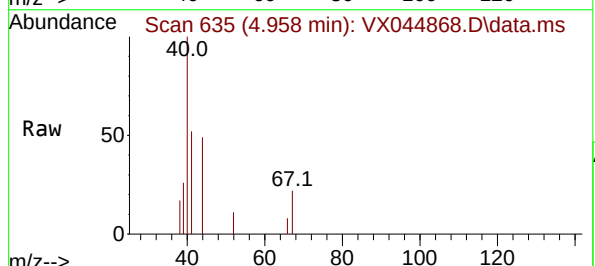
Ion Ratio Lower Upper

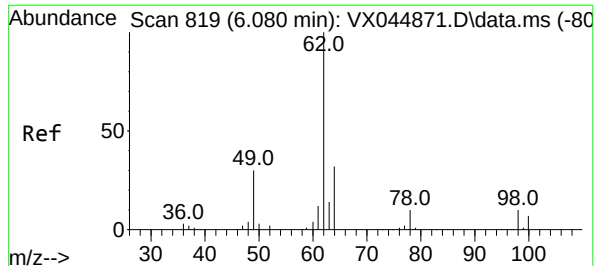
41 100

39 0.0 43.1 64.7#

67 0.0 57.0 85.6#

52 8.0 24.0 36.0#





#42

1,2-Dichloroethane

Concen: 0.894 ug/l

RT: 6.099 min Scan# 819

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 2120

Ion Ratio Lower Upper

62 100

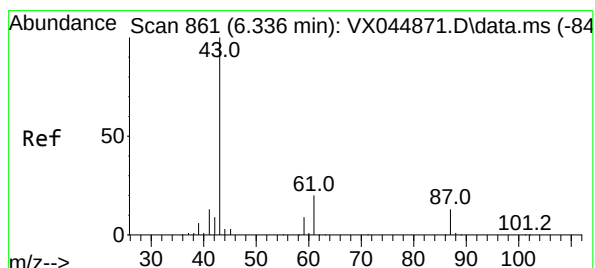
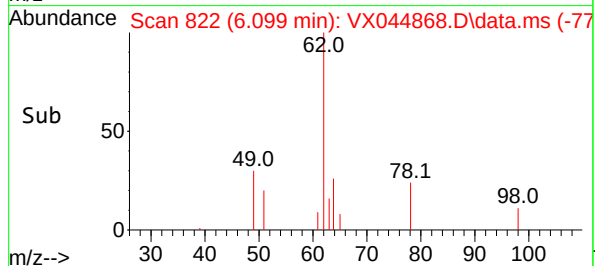
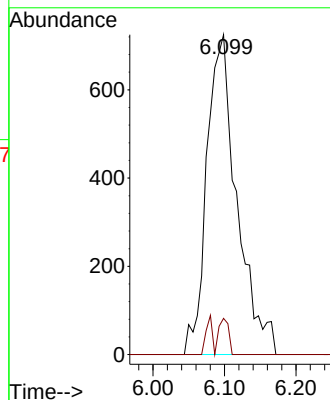
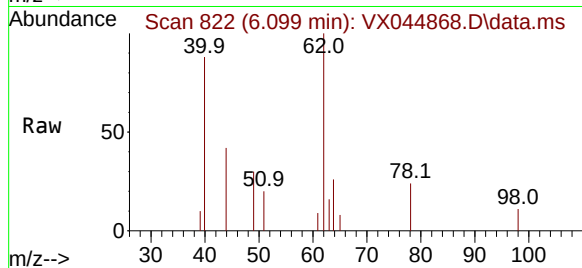
98 3.7 0.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#43

Isopropyl Acetate

Concen: 0.897 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

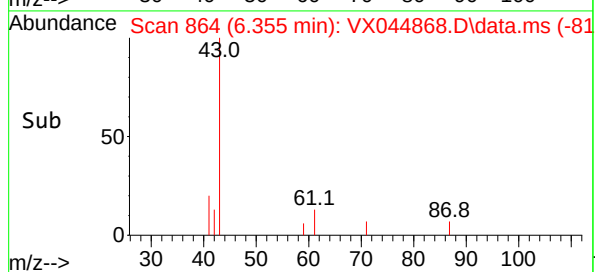
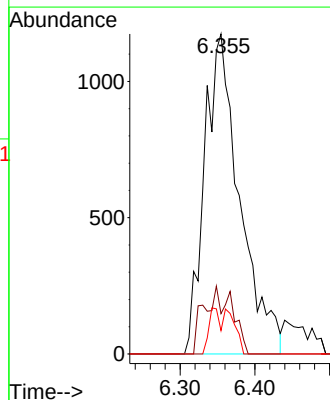
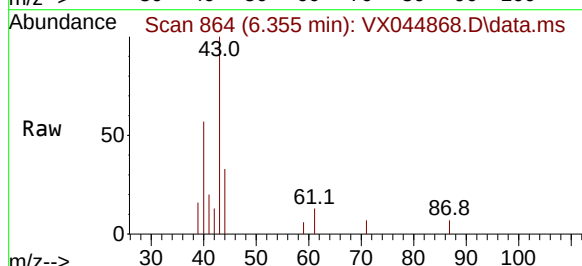
Tgt Ion: 43 Resp: 3839

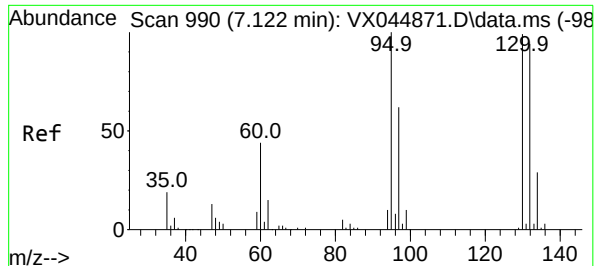
Ion Ratio Lower Upper

43 100

61 16.9 15.8 23.8

87 4.6 10.0 15.0#





#44

Trichloroethene

Concen: 0.874 ug/l

RT: 7.135 min Scan# 990

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 148

Ion Ratio Lower Upper

130 100

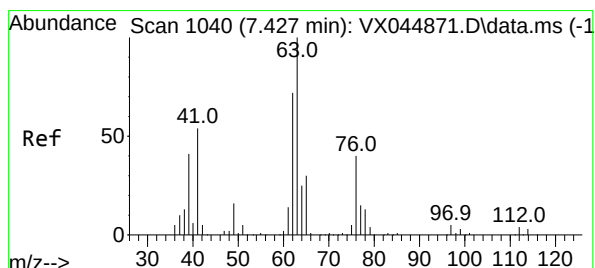
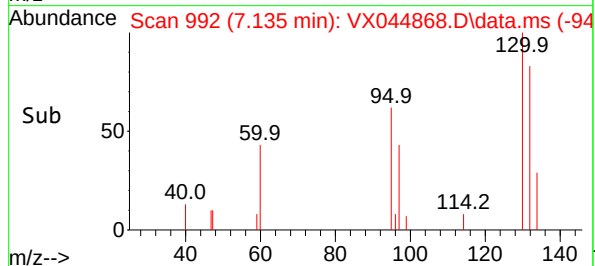
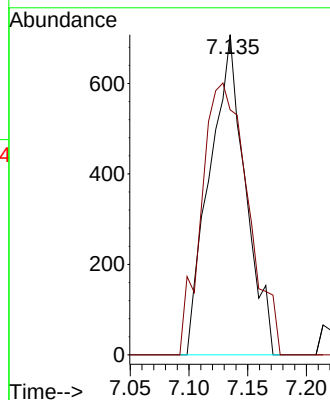
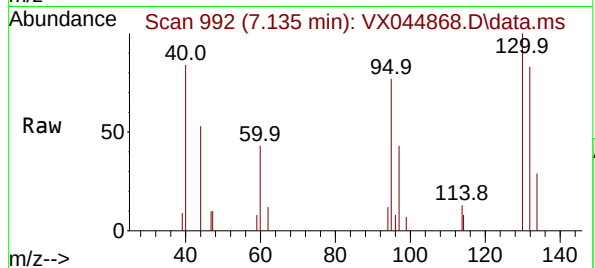
95 76.6 0.0 202.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.013 min

Lab File: VX044868.D

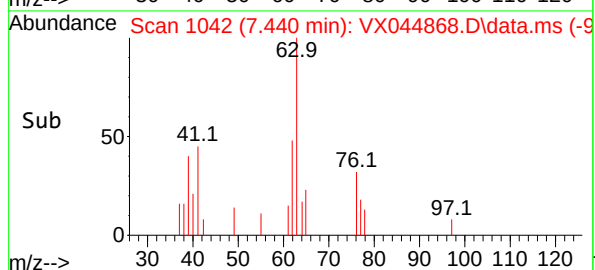
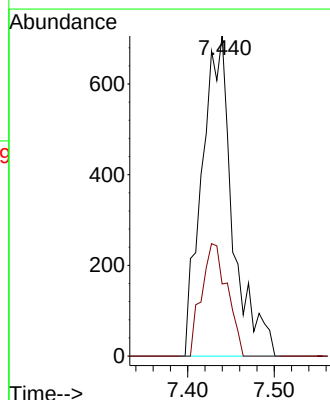
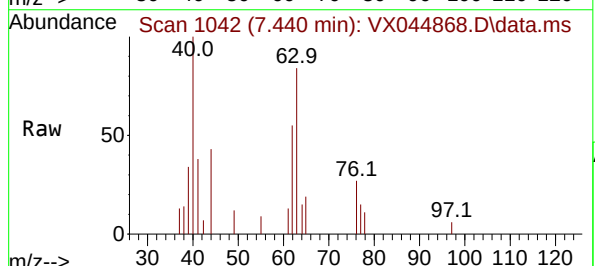
Acq: 10 Feb 2025 10:25

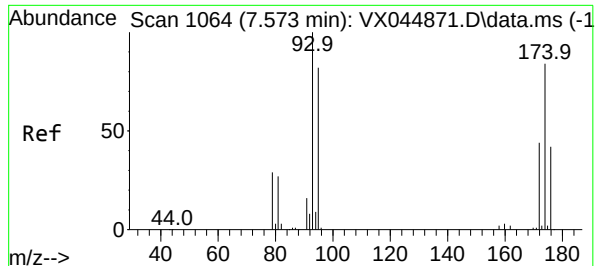
Tgt Ion: 63 Resp: 1746

Ion Ratio Lower Upper

63 100

65 22.5 24.2 36.4#





#46

Dibromomethane

Concen: 0.936 ug/l

RT: 7.592 min Scan# 1106

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 120

Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

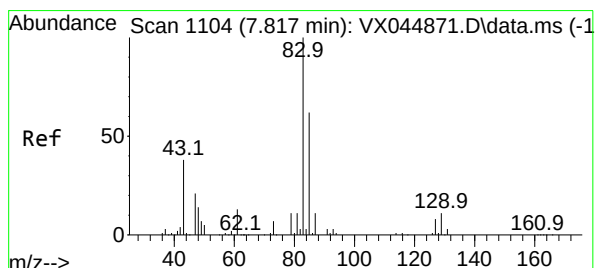
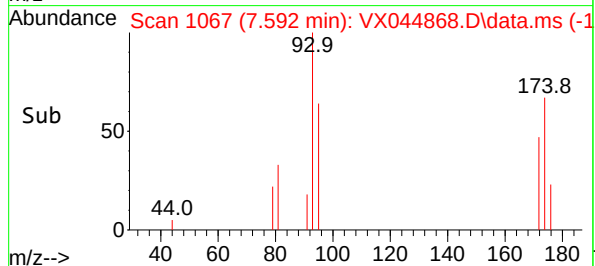
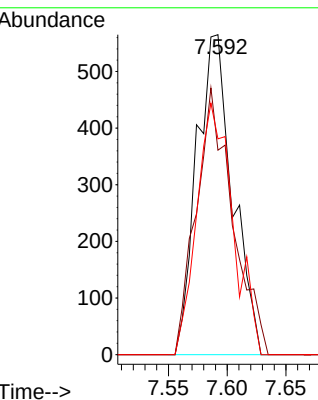
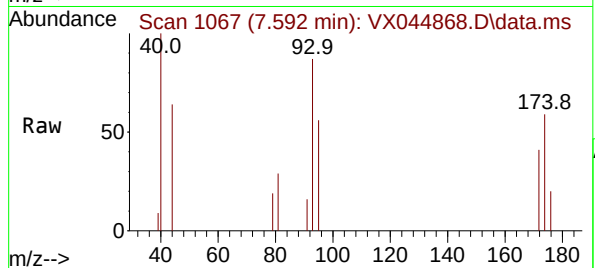
174 79.3 69.9 104.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#47

Bromodichloromethane

Concen: 0.875 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

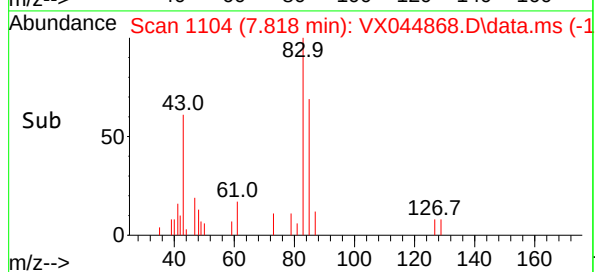
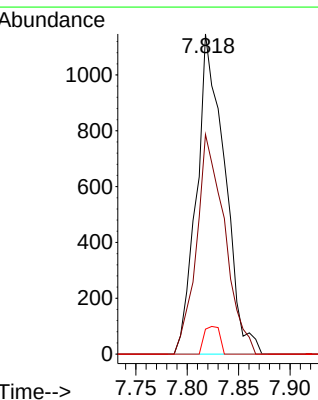
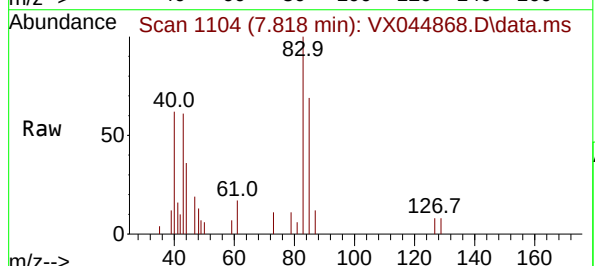
Tgt Ion: 83 Resp: 2176

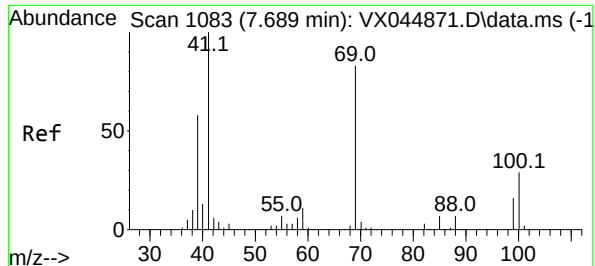
Ion Ratio Lower Upper

83 100

85 68.6 50.0 75.0

127 7.8 6.4 9.6





#48

Methyl methacrylate

Concen: 0.830 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.031 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

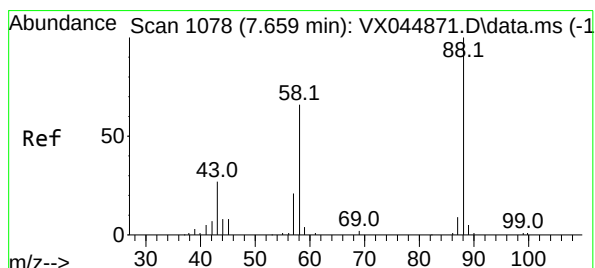
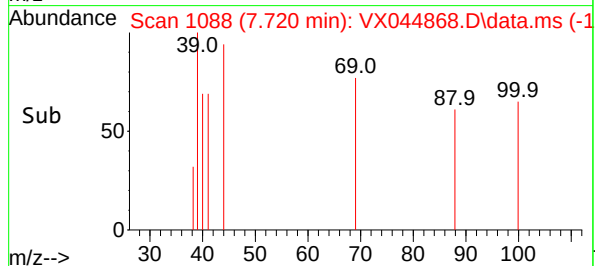
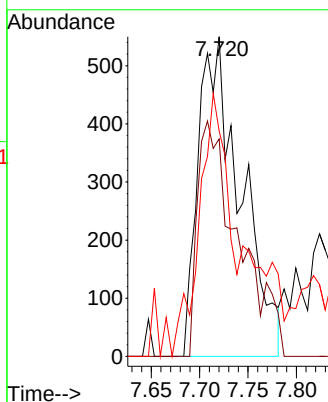
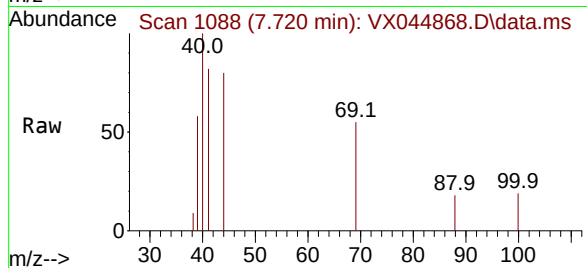
Tgt Ion: 41	Resp: 167
Ion Ratio	Lower Upper
41	100
69	71.8 65.8 98.8
39	55.9 46.4 69.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#49

1,4-Dioxane

Concen: 20.015 ug/l

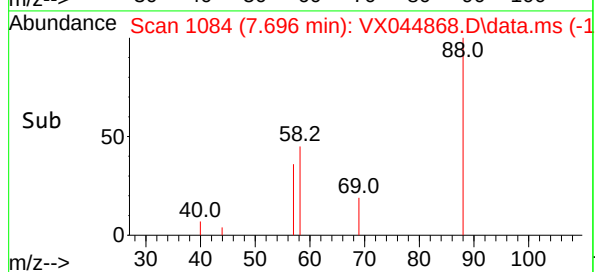
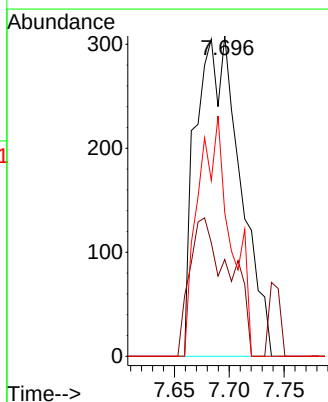
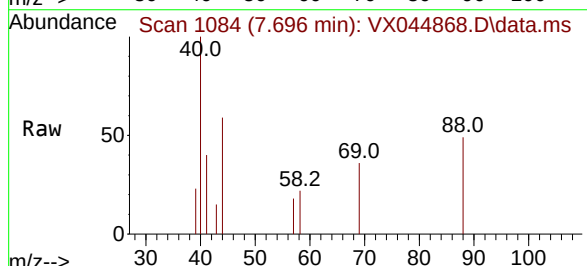
RT: 7.696 min Scan# 1084

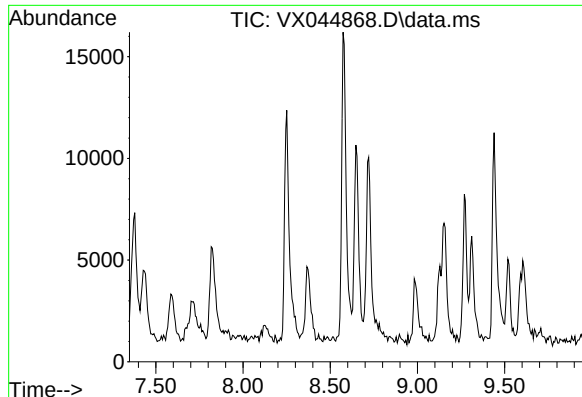
Delta R.T. 0.037 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 88	Resp: 867
Ion Ratio	Lower Upper
88	100
43	38.9 26.6 39.8
58	55.5 55.9 83.9





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

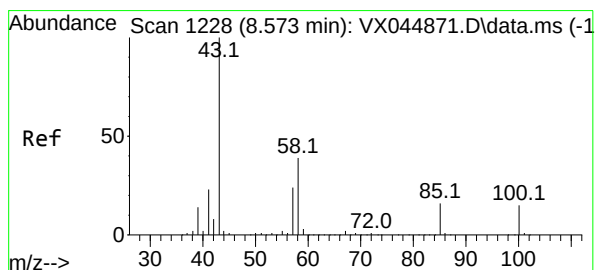
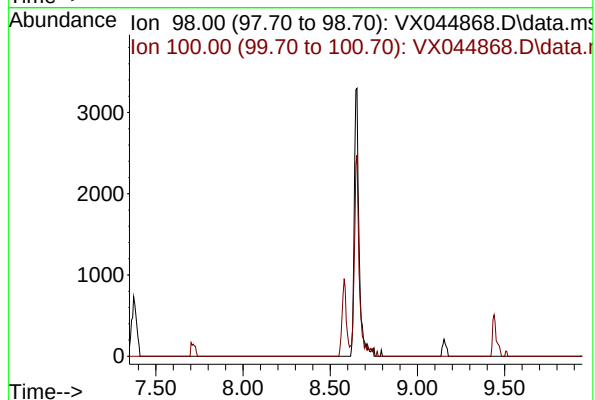
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

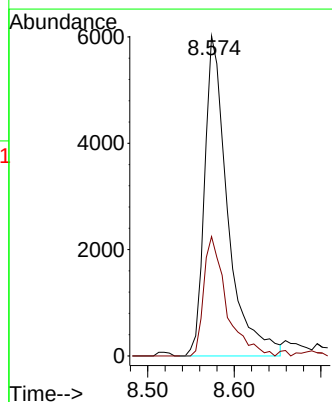
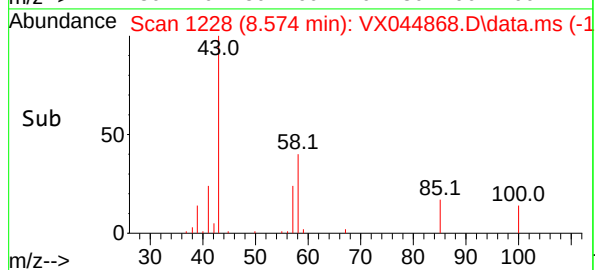
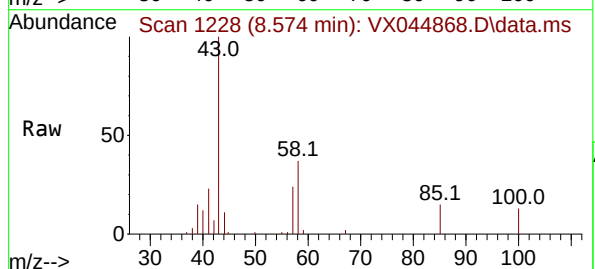
Manual Integrations
APPROVED

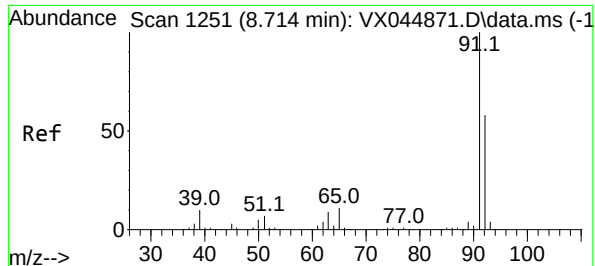
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 11169
Ion Ratio Lower Upper
43 100
58 36.3 30.8 46.2





#52

Toluene

Concen: 0.889 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 394

Ion Ratio Lower Upper

92 100

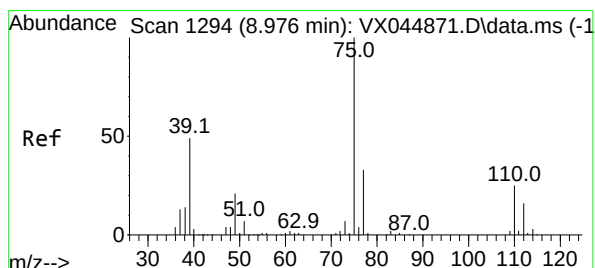
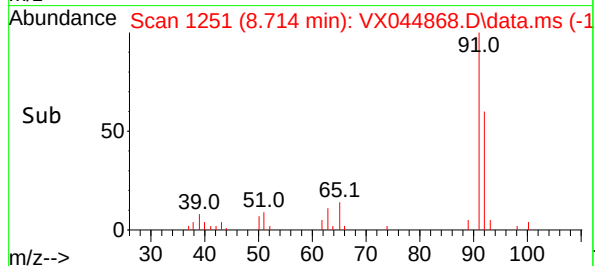
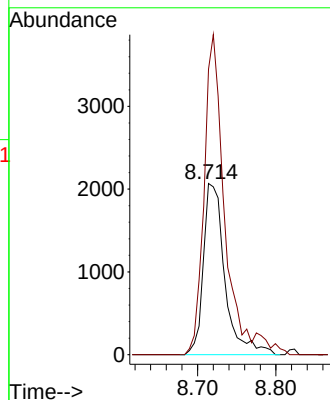
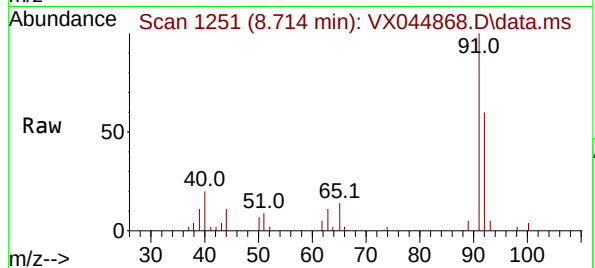
91 171.6 137.4 206.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#53

t-1,3-Dichloropropene

Concen: 0.842 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.019 min

Lab File: VX044868.D

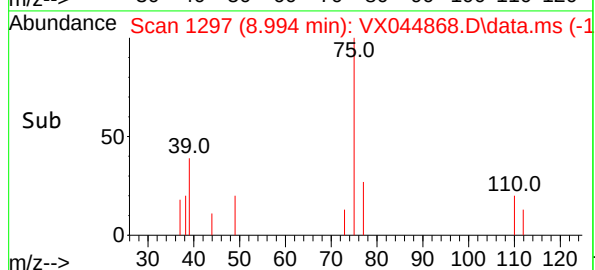
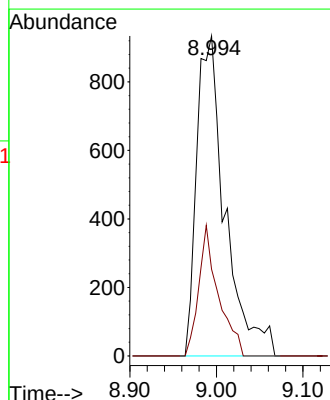
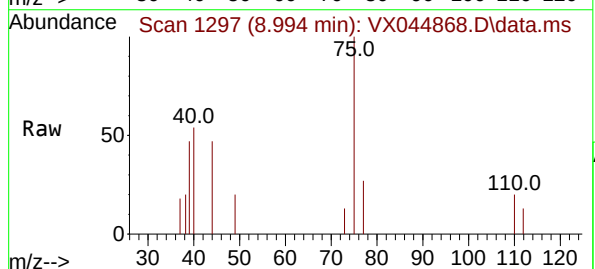
Acq: 10 Feb 2025 10:25

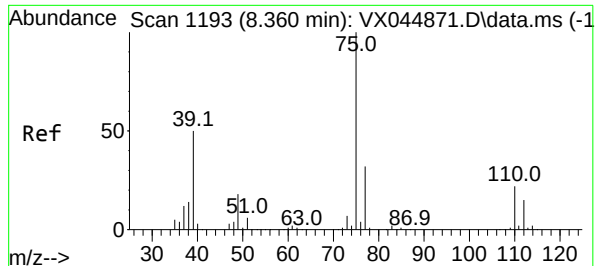
Tgt Ion: 75 Resp: 2119

Ion Ratio Lower Upper

75 100

77 27.1 26.0 39.0





#54

cis-1,3-Dichloropropene

Concen: 0.820 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

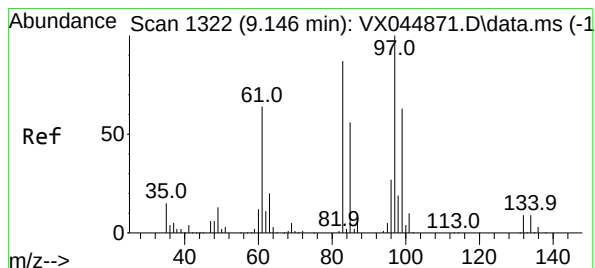
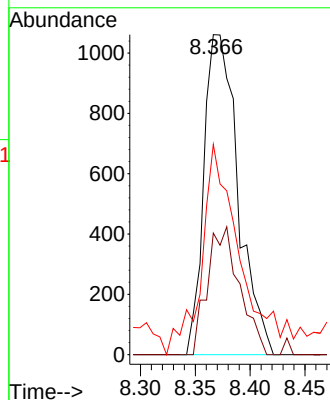
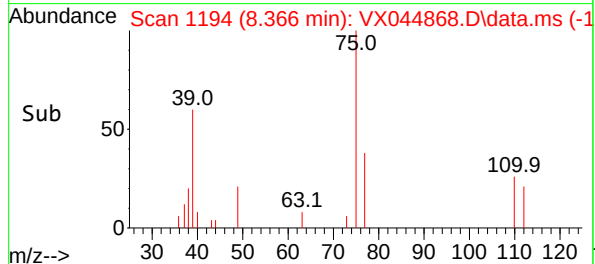
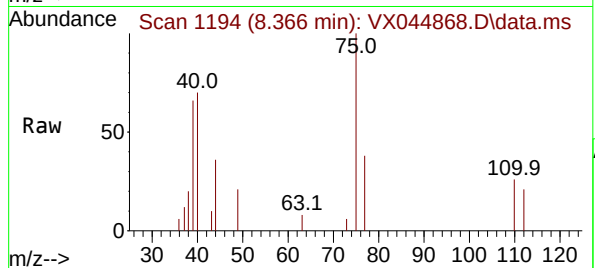
Tgt Ion:	75	Resp:	2300
Ion	Ratio	Lower	Upper
75	100		
77	38.0	25.3	37.9
39	60.3	40.0	60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#55

1,1,2-Trichloroethane

Concen: 0.914 ug/l

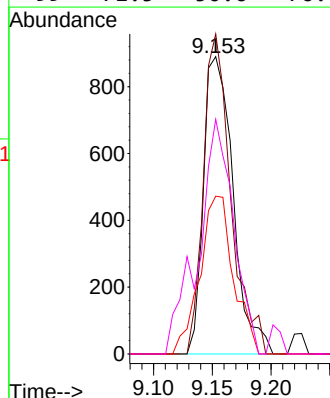
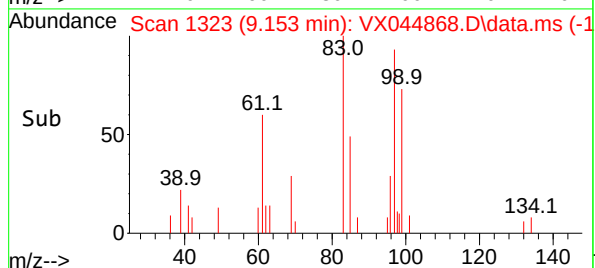
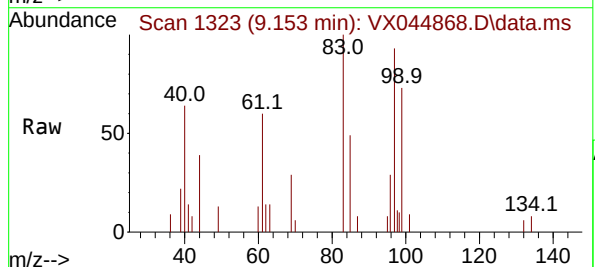
RT: 9.153 min Scan# 1323

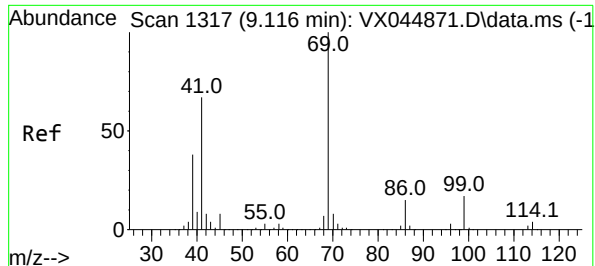
Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	97	Resp:	1558
Ion	Ratio	Lower	Upper
97	100		
83	107.6	69.8	104.6
85	53.0	44.8	67.2
99	71.5	50.6	76.0





#56

Ethyl methacrylate

Concen: 0.852 ug/l

RT: 9.128 min Scan# 1319

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

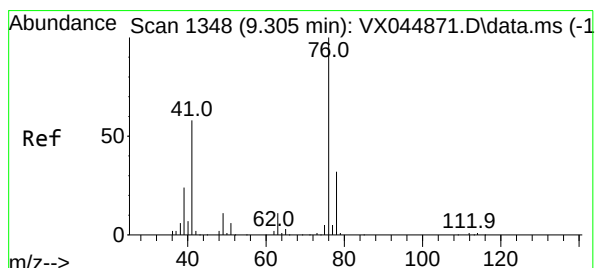
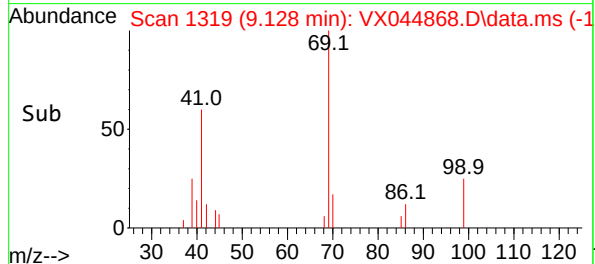
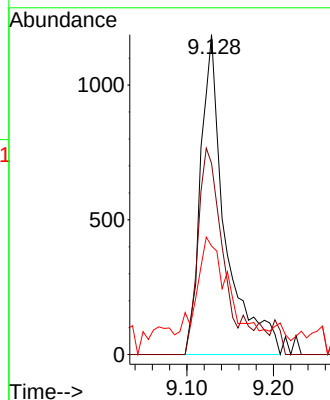
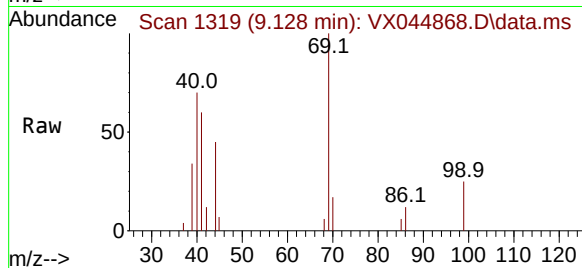
Tgt Ion: 69 Resp: 2340

Ion	Ratio	Lower	Upper
69	100		
41	61.6	55.2	82.8
39	56.2	30.8	46.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#57

1,3-Dichloropropane

Concen: 0.905 ug/l

RT: 9.311 min Scan# 1349

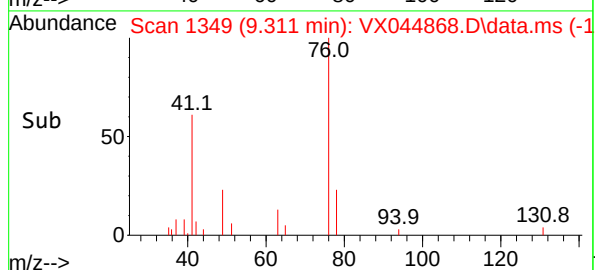
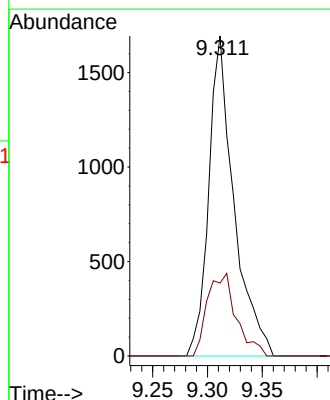
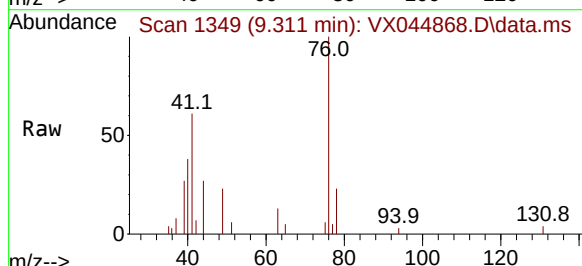
Delta R.T. 0.007 min

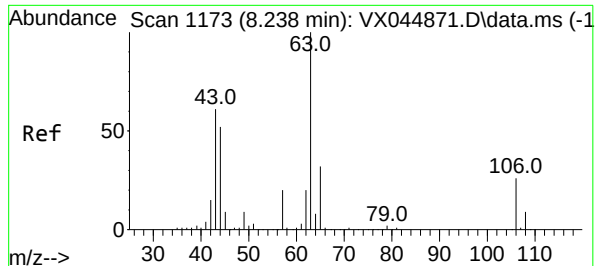
Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 76 Resp: 2699

Ion	Ratio	Lower	Upper
76	100		
78	29.6	25.8	38.8





#58

2-Chloroethyl Vinyl ether

Concen: 3.996 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 540

Ion Ratio Lower Upper

63 100

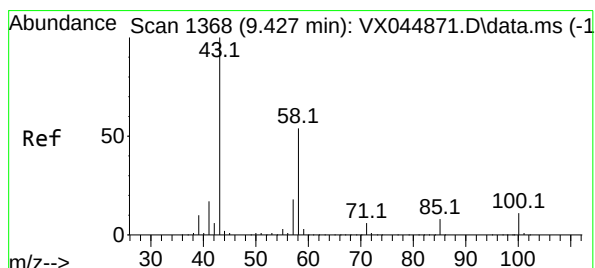
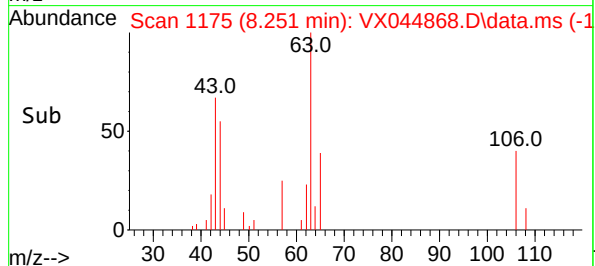
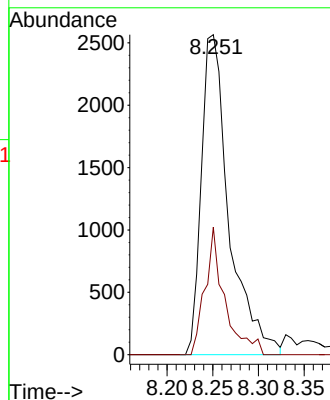
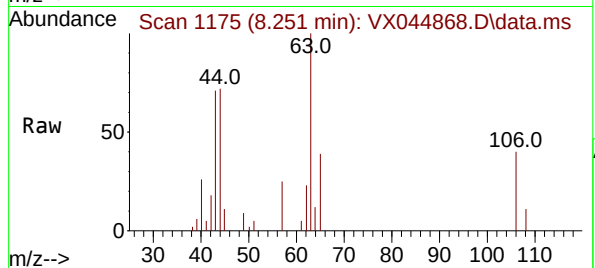
106 28.2 21.3 31.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#59

2-Hexanone

Concen: 4.240 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.013 min

Lab File: VX044868.D

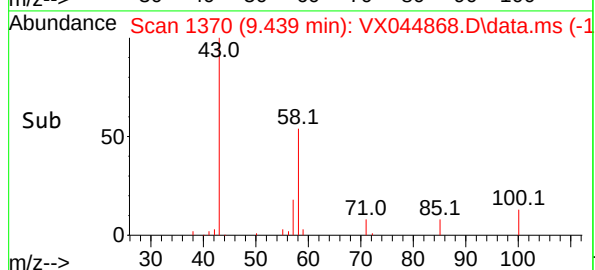
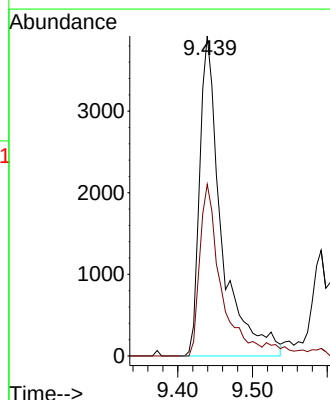
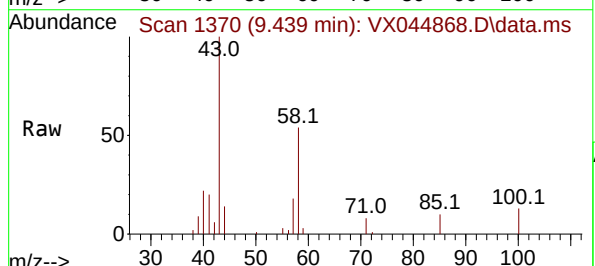
Acq: 10 Feb 2025 10:25

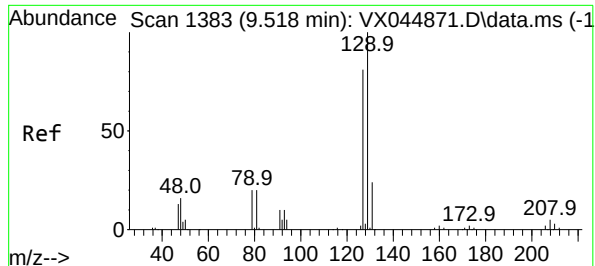
Tgt Ion: 43 Resp: 7952

Ion Ratio Lower Upper

43 100

58 51.3 27.5 82.4





#60

Dibromochloromethane

Concen: 0.885 ug/l

RT: 9.525 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 161

Ion Ratio Lower Upper

129 100

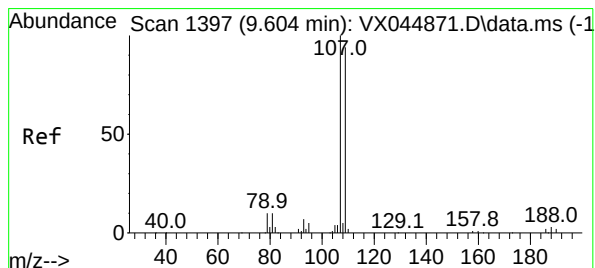
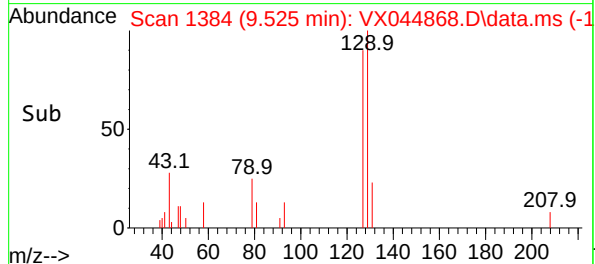
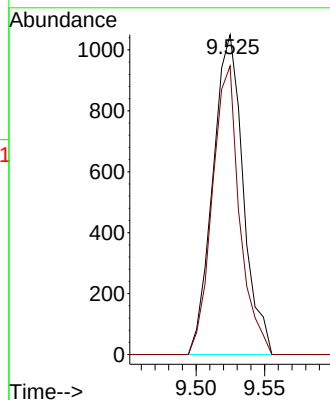
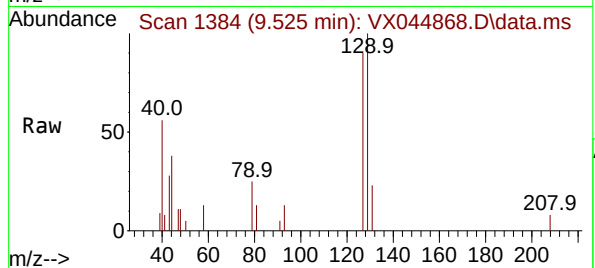
127 81.3 39.1 117.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#61

1,2-Dibromoethane

Concen: 0.888 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX044868.D

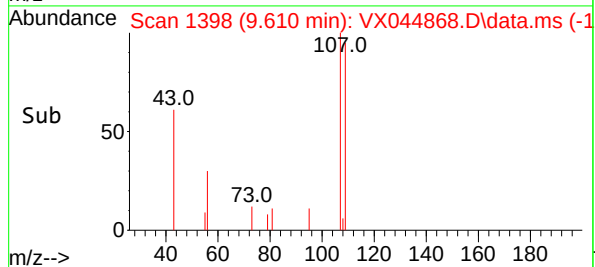
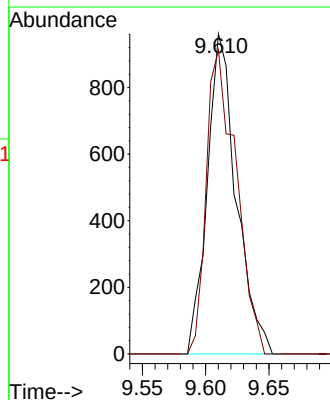
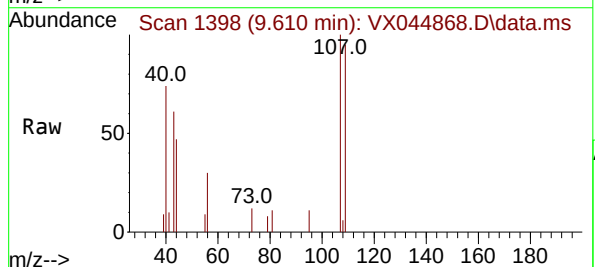
Acq: 10 Feb 2025 10:25

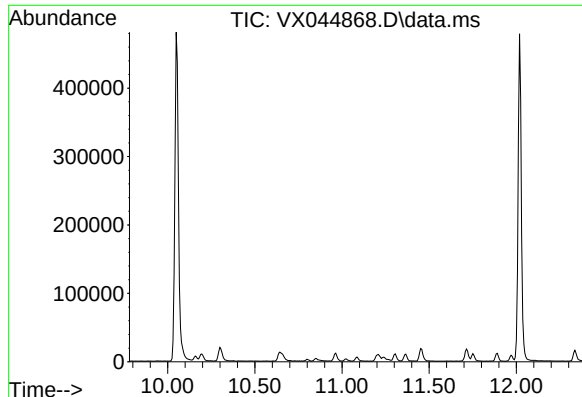
Tgt Ion:107 Resp: 1534

Ion Ratio Lower Upper

107 100

109 97.4 75.9 113.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

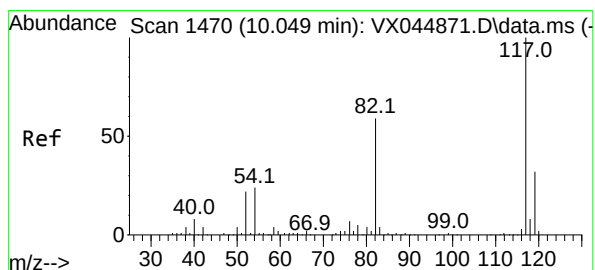
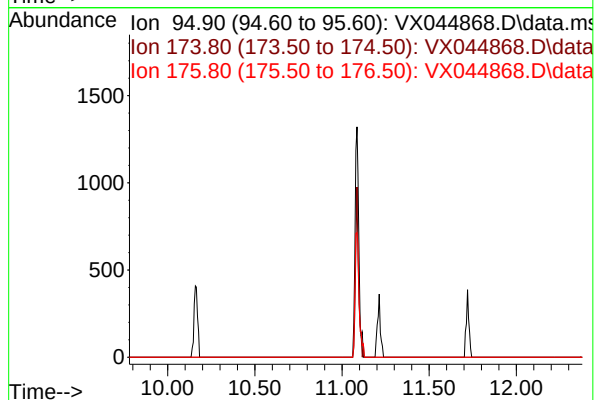
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 95
Sig Exp Ratio
95 100
174 71.3
176 70.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

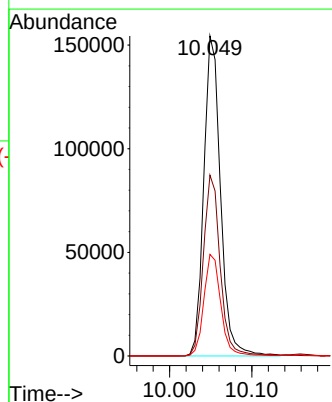
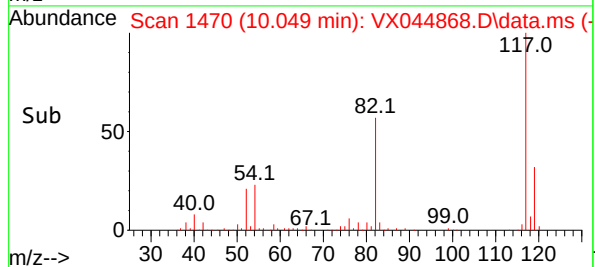
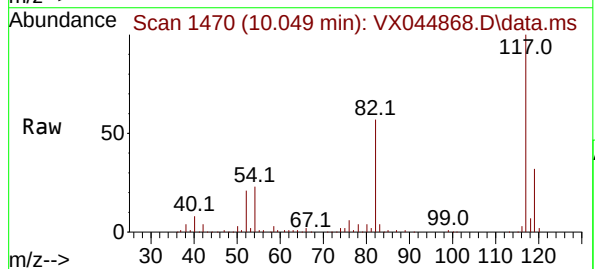
Manual Integrations
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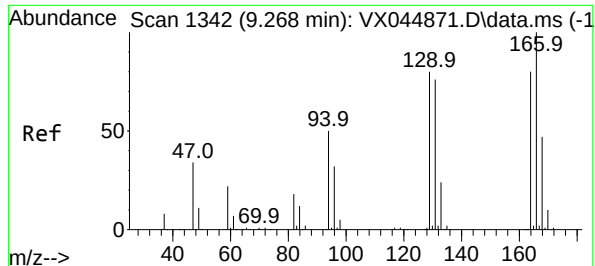
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 218570
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 31.8 25.4 38.0





#64

Tetrachloroethene

Concen: 0.971 ug/l

RT: 9.275 min Scan# 1342

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 1339

Ion Ratio Lower Upper

164 100

166 120.8 100.4 150.6

129 82.1 79.9 119.9

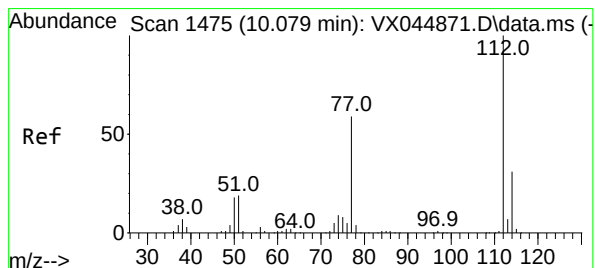
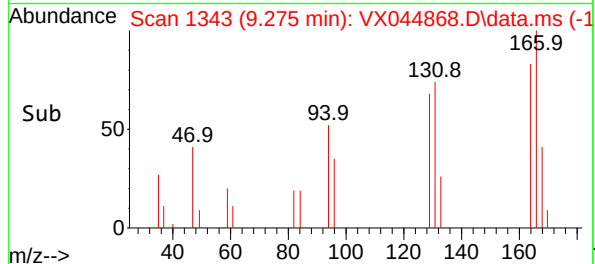
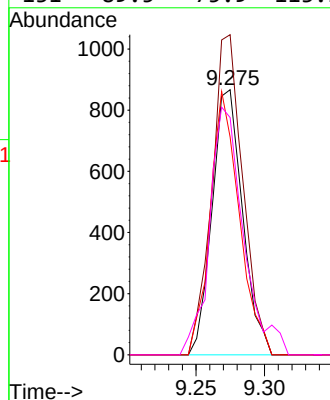
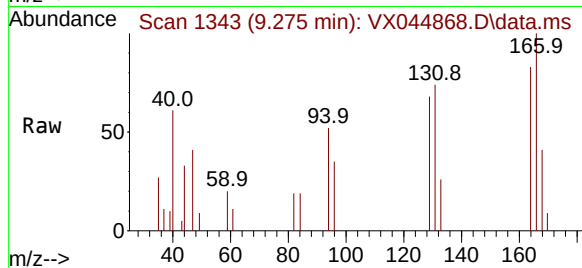
131 89.5 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#65

Chlorobenzene

Concen: 0.902 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044868.D

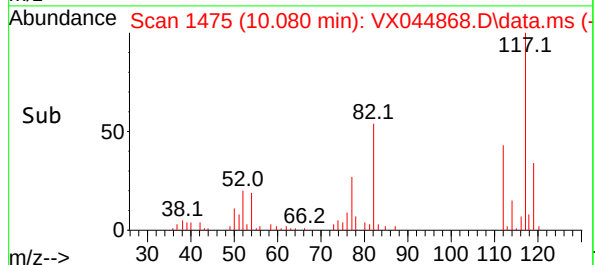
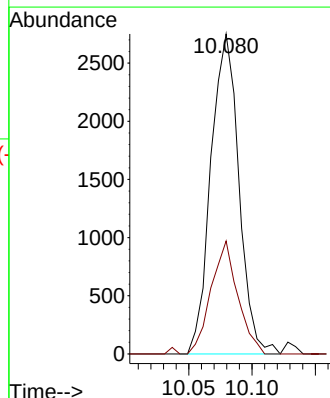
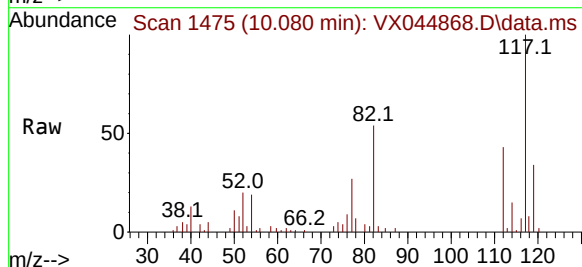
Acq: 10 Feb 2025 10:25

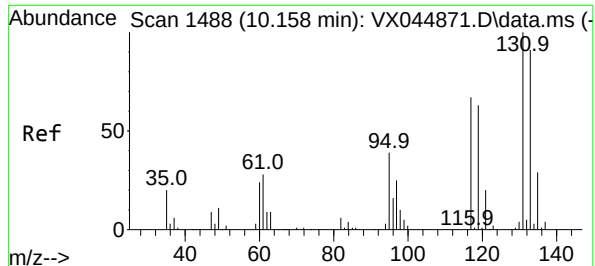
Tgt Ion:112 Resp: 4234

Ion Ratio Lower Upper

112 100

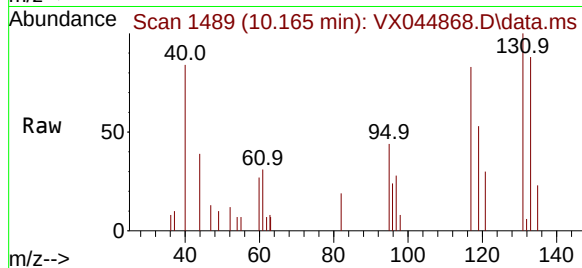
114 35.3 25.0 37.6





#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 1488
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

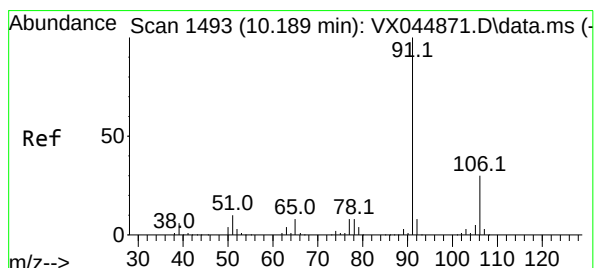
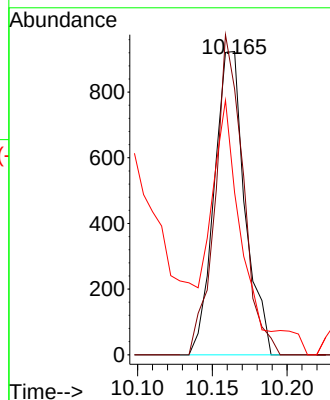
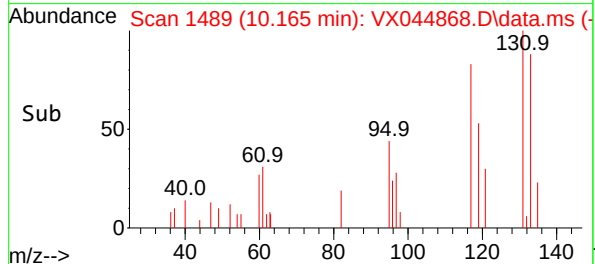
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:131 Resp: 1320
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.3
119 0.0 33.6 100.6

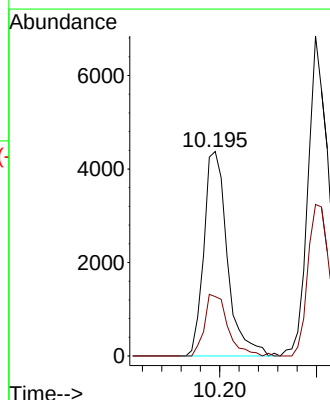
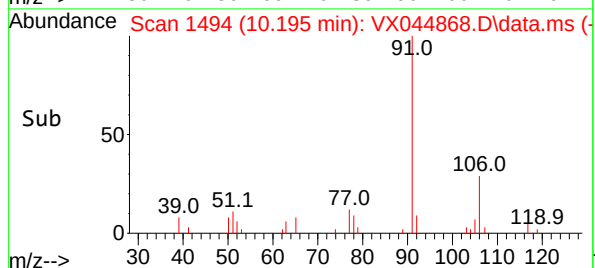
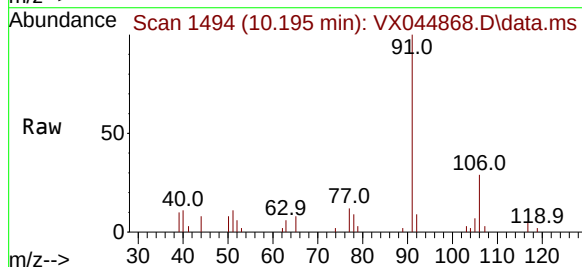
Manual Integrations
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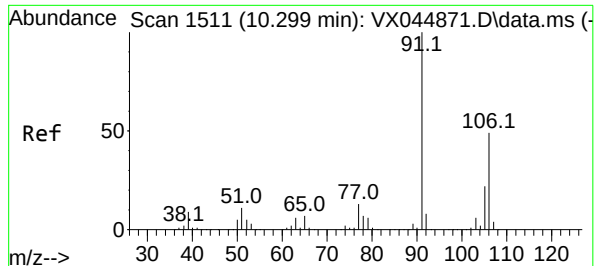
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#67
Ethyl Benzene
Concen: 0.892 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 7388
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9





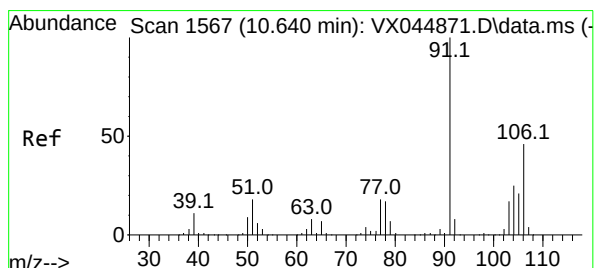
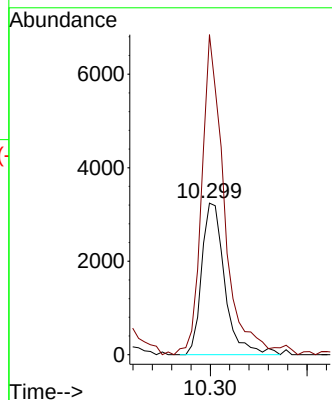
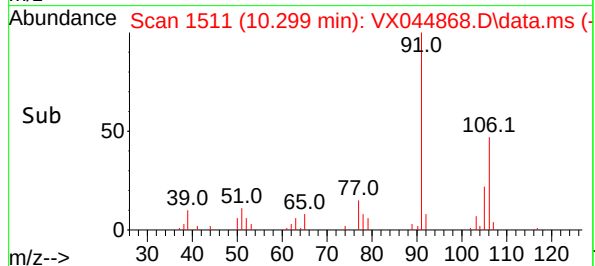
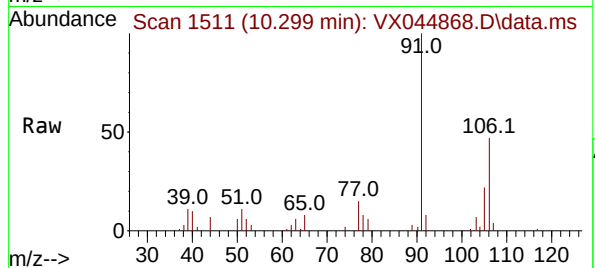
#68
m/p-Xylenes
Concen: 1.763 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 538
Ion Ratio Lower Upper
106 100
91 204.7 164.3 246.5

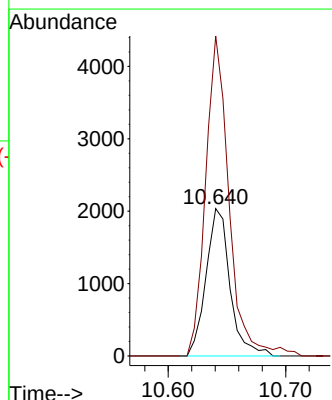
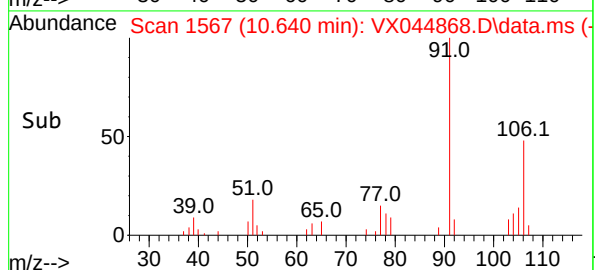
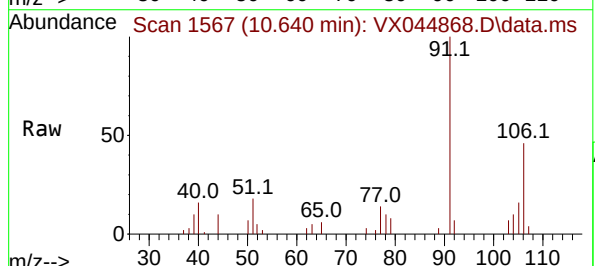
Manual Integrations
APPROVED

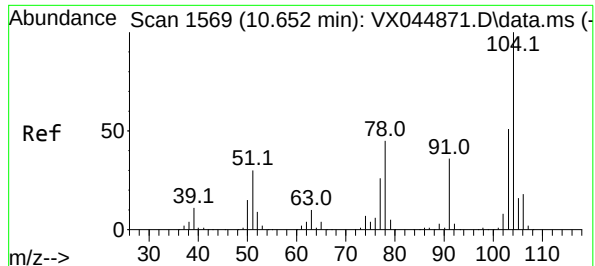
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:106 Resp: 2889
Ion Ratio Lower Upper
106 100
91 211.5 108.5 325.5





#70

Styrene

Concen: 0.804 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

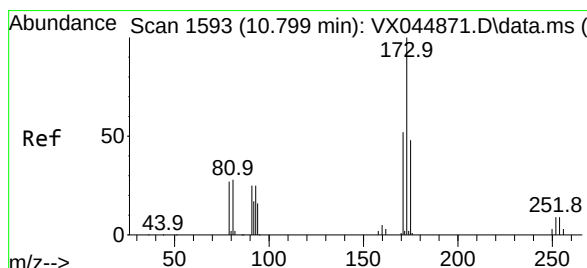
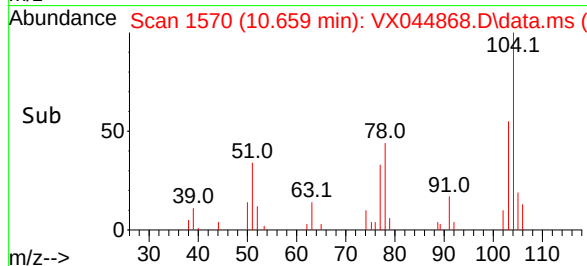
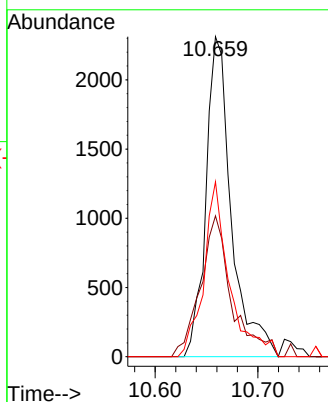
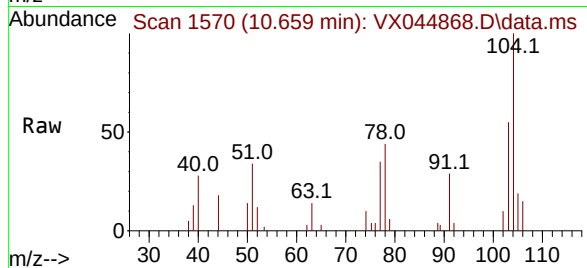
VSTDIC001

Tgt Ion:104	Resp:	3974
Ion Ratio	Lower	Upper
104	100	
78	54.1	40.5 60.7
103	55.0	43.6 65.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#71

Bromoform

Concen: 0.721 ug/l

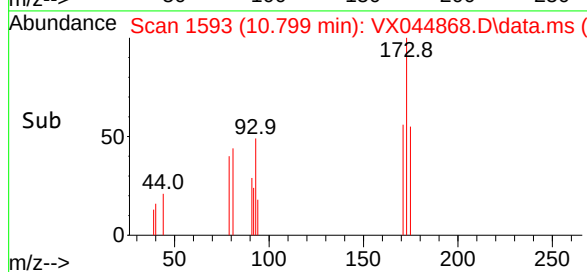
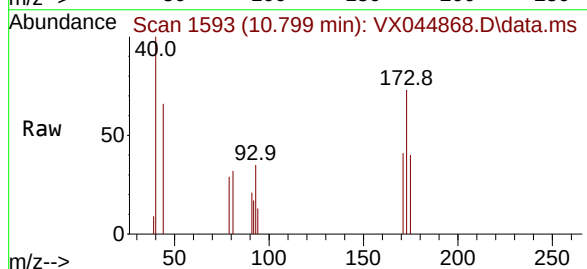
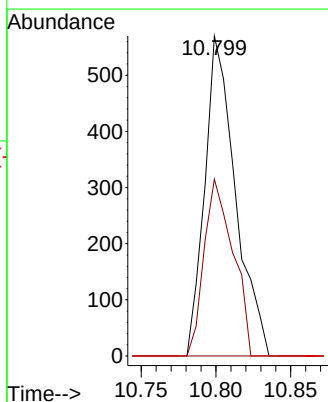
RT: 10.799 min Scan# 1593

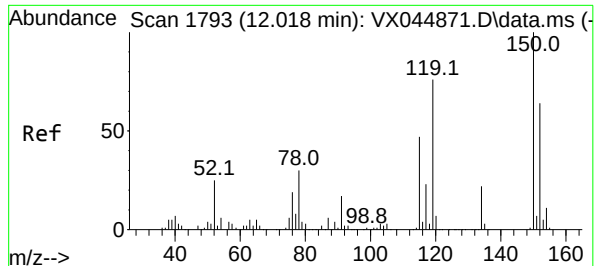
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:173	Resp:	813
Ion Ratio	Lower	Upper
173	100	
175	52.2	24.3 72.8
254	0.0	0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 9073

Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.1

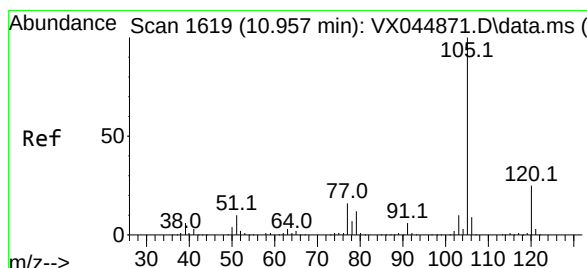
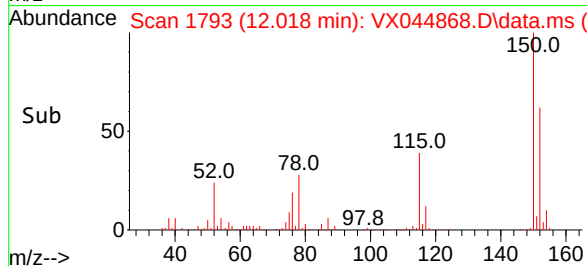
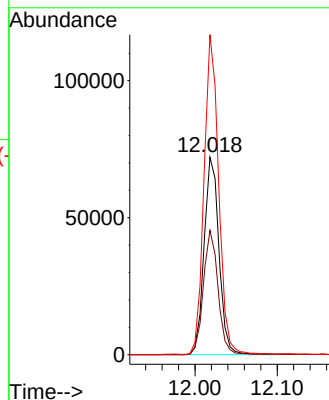
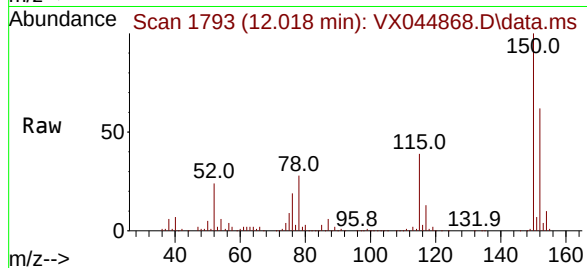
150 158.6 0.0 350.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#73

Isopropylbenzene

Concen: 0.928 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.007 min

Lab File: VX044868.D

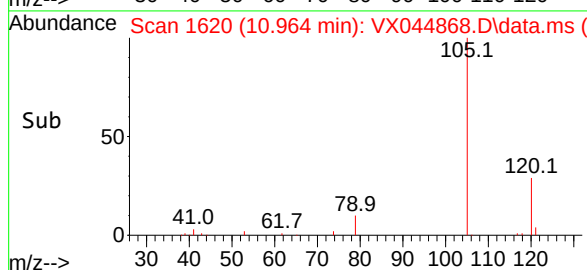
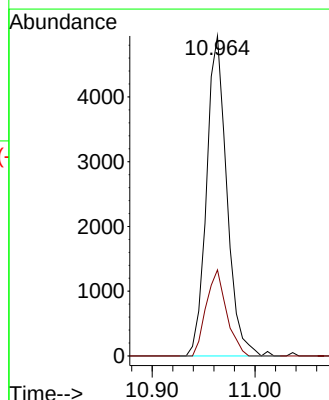
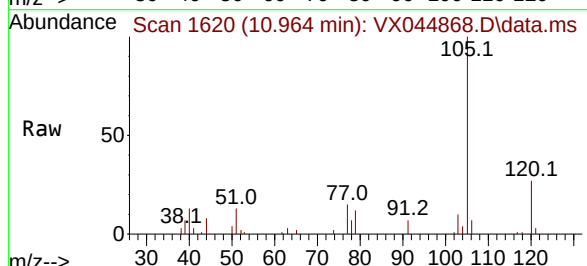
Acq: 10 Feb 2025 10:25

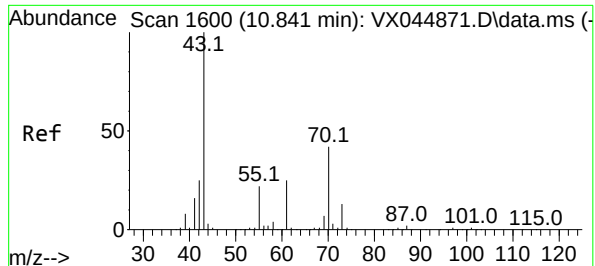
Tgt Ion:105 Resp: 6778

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5





#74

N-amy1 acetate

Concen: 0.785 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 2590

Ion Ratio Lower Upper

43 100

70 38.8 33.7 50.5

55 25.2 18.6 27.8

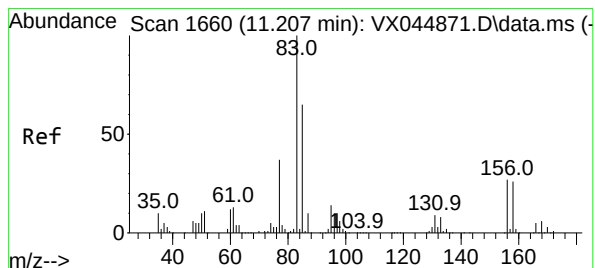
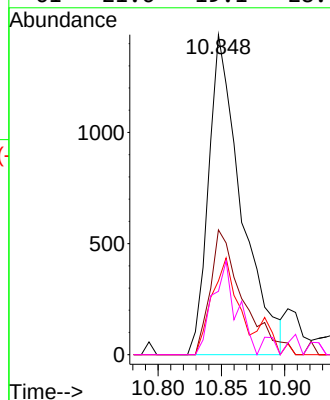
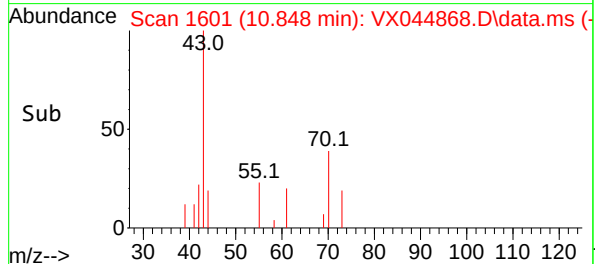
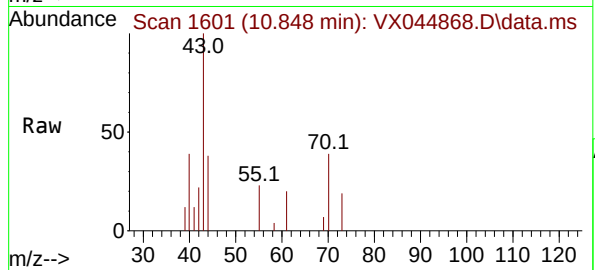
61 21.6 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 1.033 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

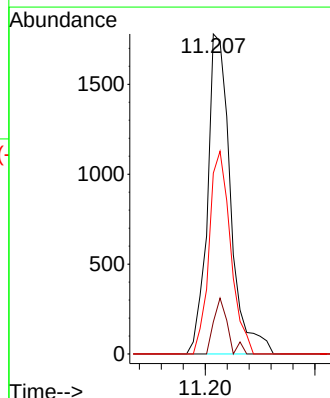
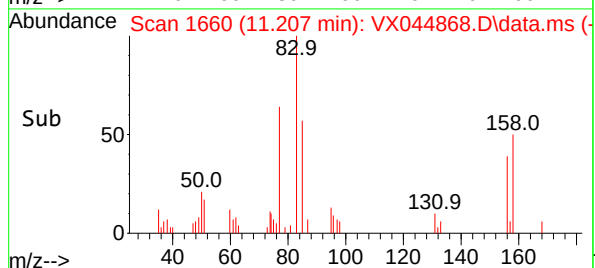
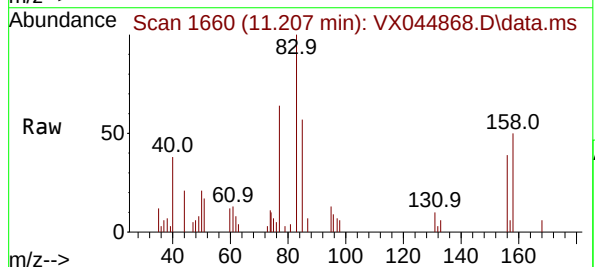
Tgt Ion: 83 Resp: 2594

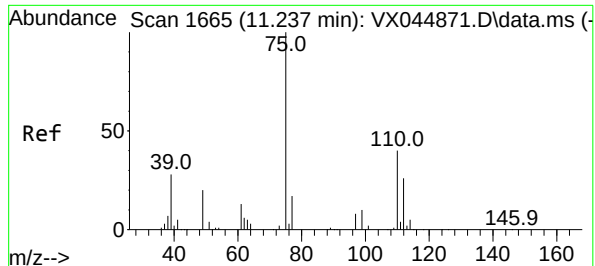
Ion Ratio Lower Upper

83 100

131 10.5 4.5 13.5

85 59.2 32.3 96.8





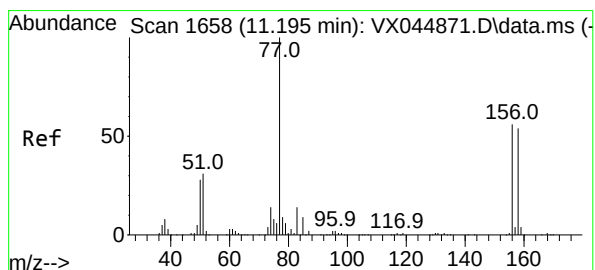
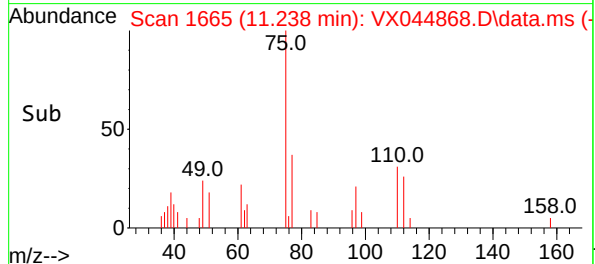
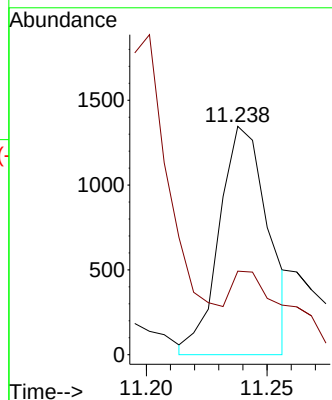
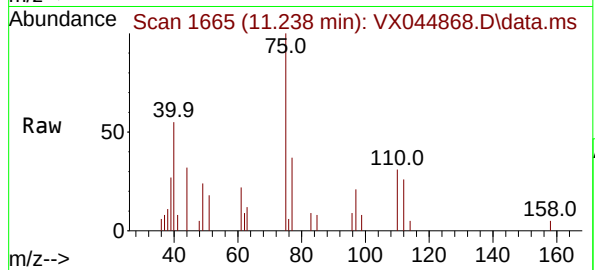
#76
1,2,3-Trichloropropane
Concen: 0.943 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1898
Ion Ratio Lower Upper
75 100
77 43.4 21.9 65.7

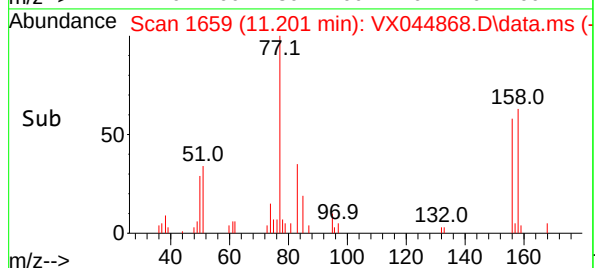
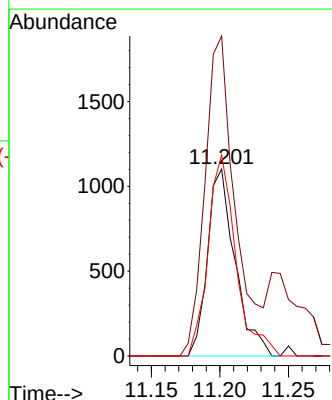
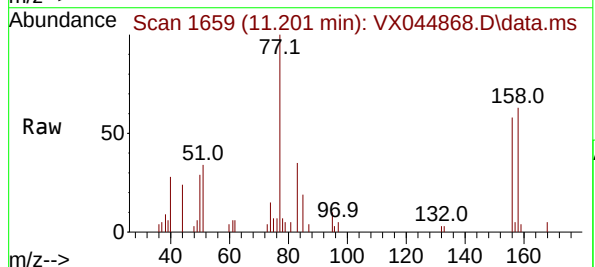
Manual Integrations
APPROVED

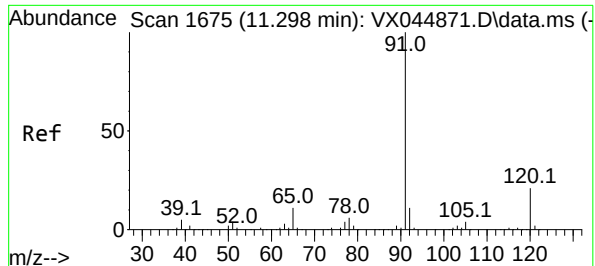
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#77
Bromobenzene
Concen: 0.928 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:156 Resp: 1537
Ion Ratio Lower Upper
156 100
77 188.7 88.4 265.3
158 108.6 48.4 145.2





#78

n-propylbenzene

Concen: 0.871 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 734

Ion Ratio Lower Upper

91 100

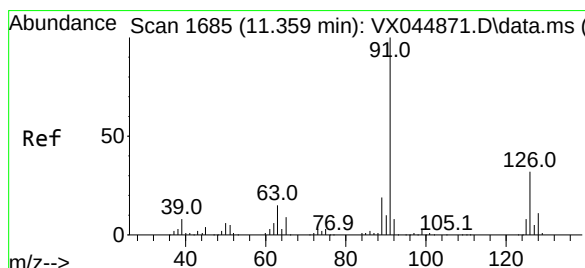
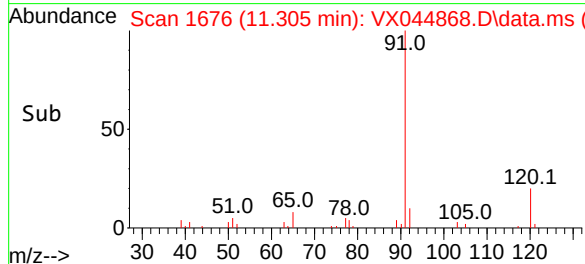
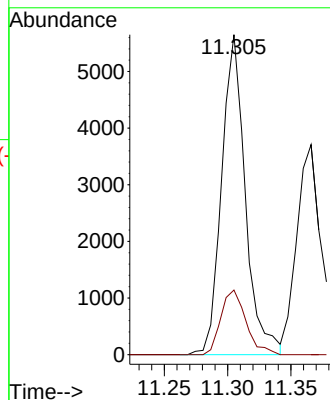
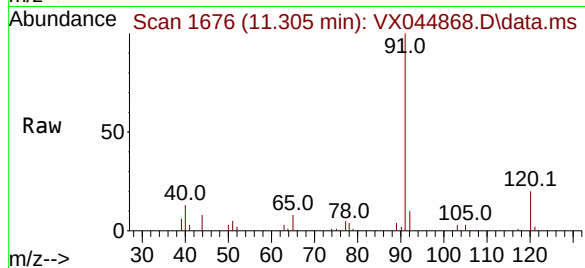
120 21.4 11.1 33.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#79

2-Chlorotoluene

Concen: 1.001 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VX044868.D

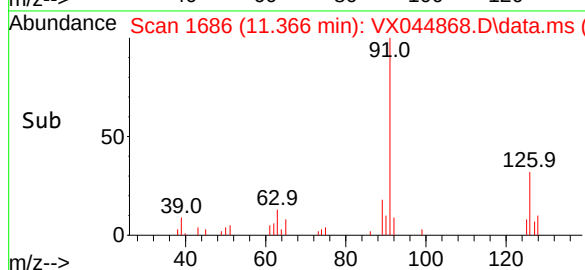
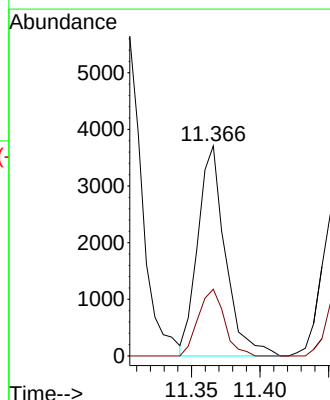
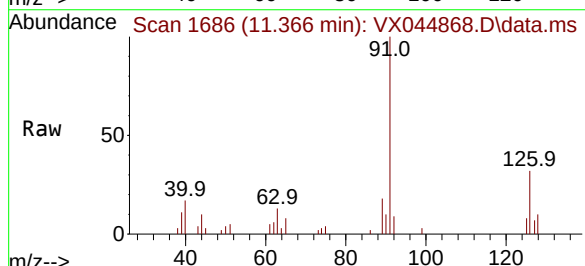
Acq: 10 Feb 2025 10:25

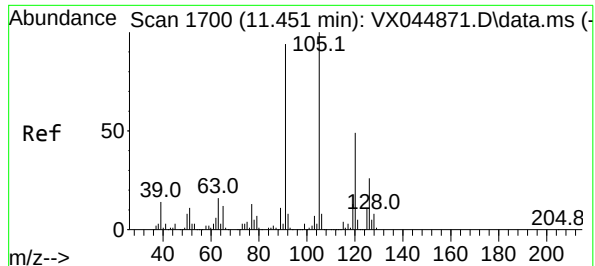
Tgt Ion: 91 Resp: 5188

Ion Ratio Lower Upper

91 100

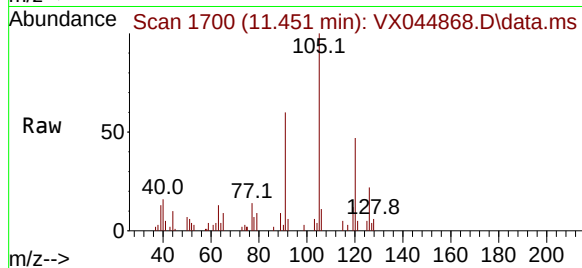
126 30.1 16.2 48.6





#80
1,3,5-Trimethylbenzene
Concen: 0.913 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

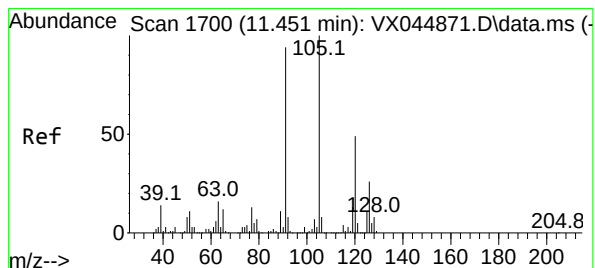
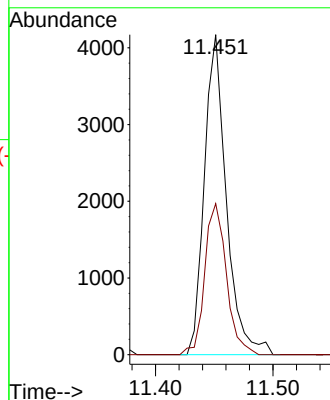
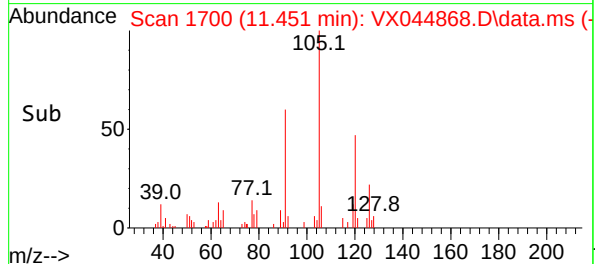
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



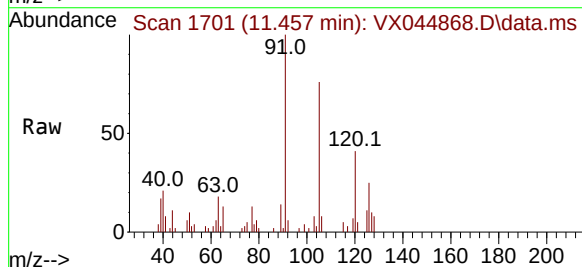
Tgt Ion:105 Resp: 5410
Ion Ratio Lower Upper
105 100
120 46.7 24.0 72.0

Manual Integrations
APPROVED

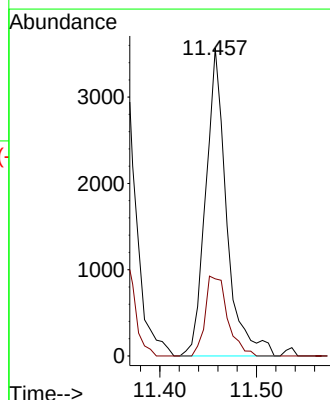
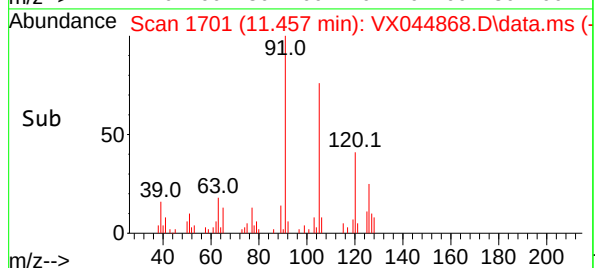
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

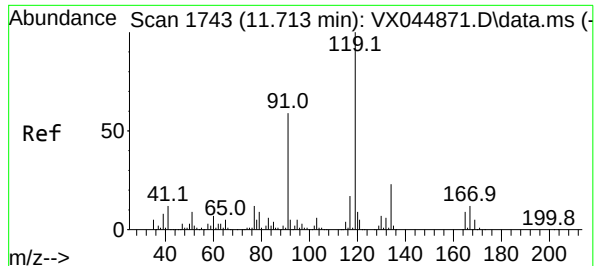


#82
4-Chlorotoluene
Concen: 0.936 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25



Tgt Ion: 91 Resp: 5367
Ion Ratio Lower Upper
91 100
126 27.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.937 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

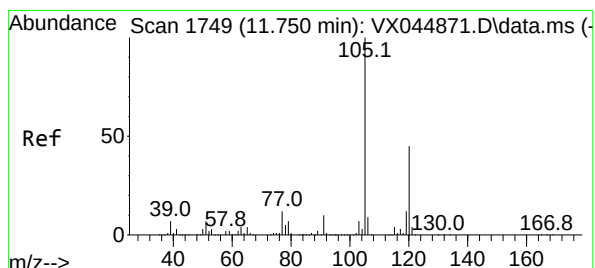
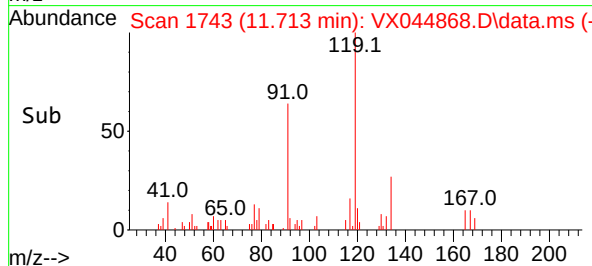
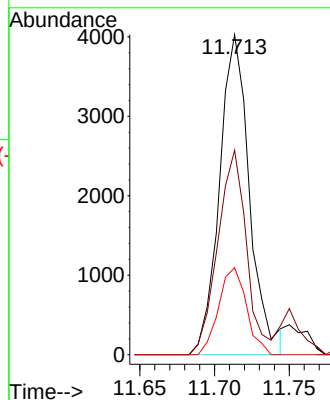
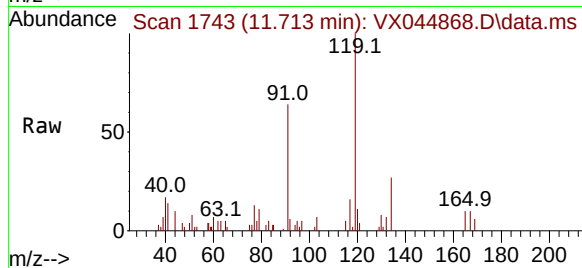
VSTDIC001

Tgt Ion:	119	Resp:	5620
Ion	Ratio	Lower	Upper
119	100		
91	61.3	29.1	87.4
134	25.2	11.5	34.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.833 ug/l

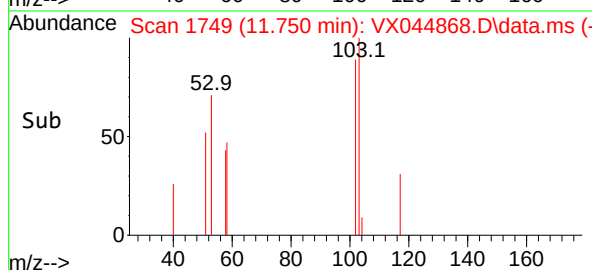
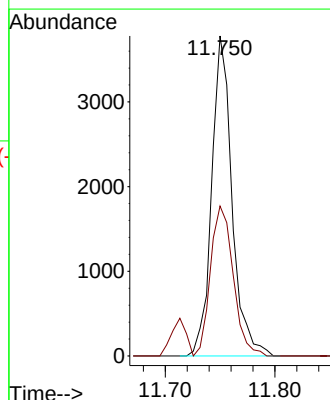
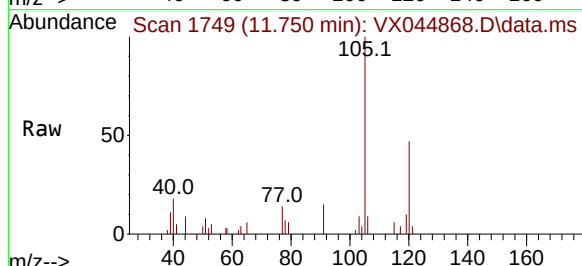
RT: 11.750 min Scan# 1749

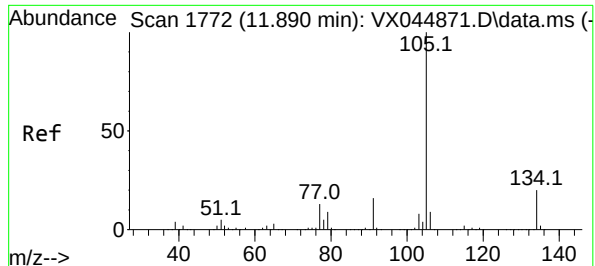
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	105	Resp:	4876
Ion	Ratio	Lower	Upper
105	100		
120	52.4	22.4	67.0





#85

sec-Butylbenzene

Concen: 0.902 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 6700

Ion Ratio Lower Upper

105 100

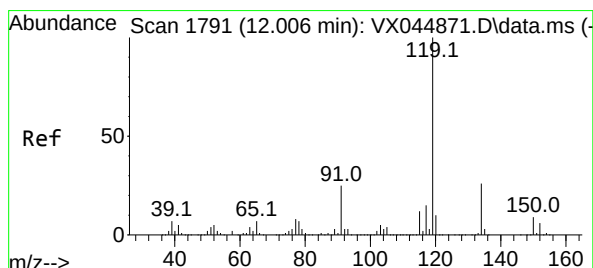
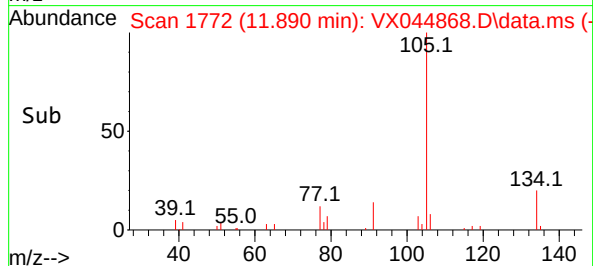
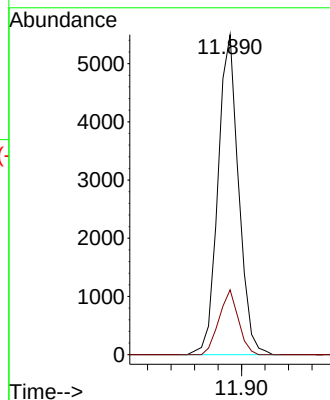
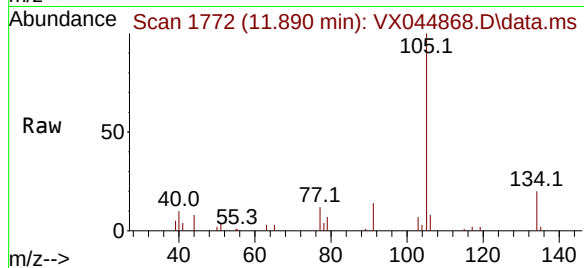
134 19.0 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 0.864 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

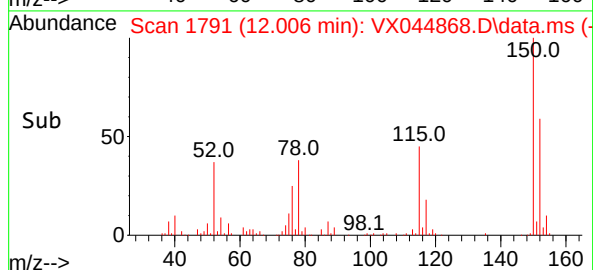
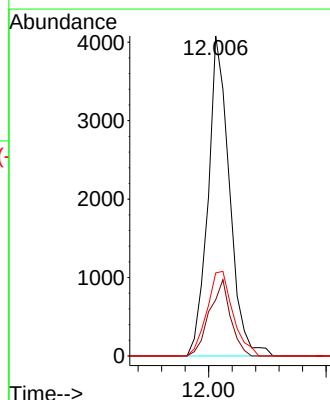
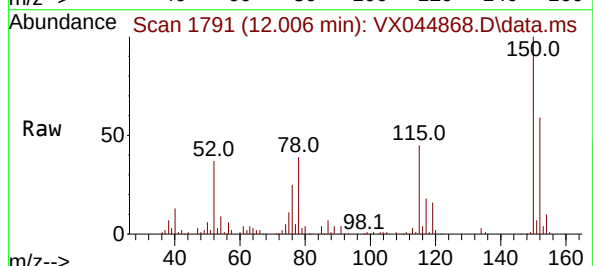
Tgt Ion:119 Resp: 5161

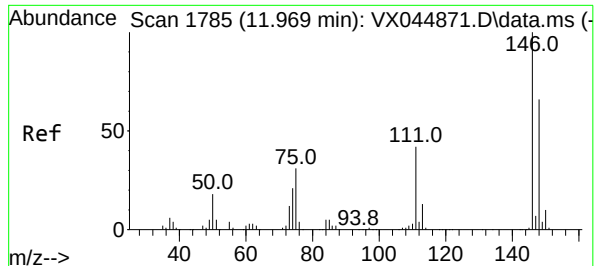
Ion Ratio Lower Upper

119 100

134 23.4 13.0 38.9

91 32.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 0.963 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

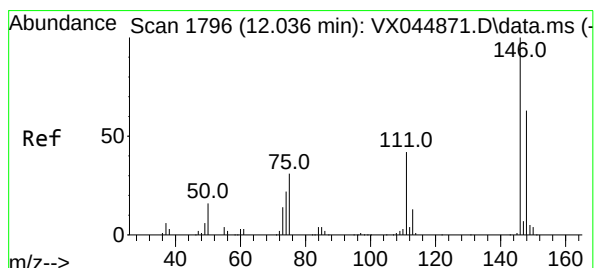
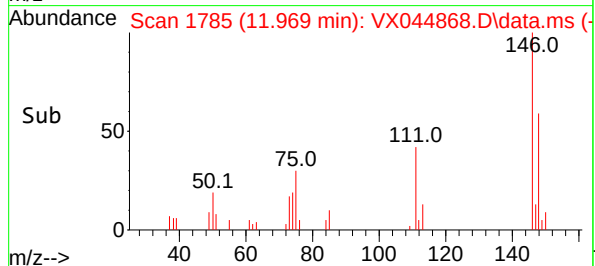
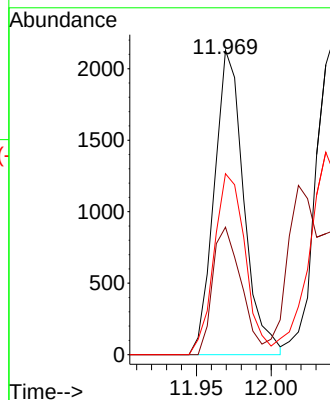
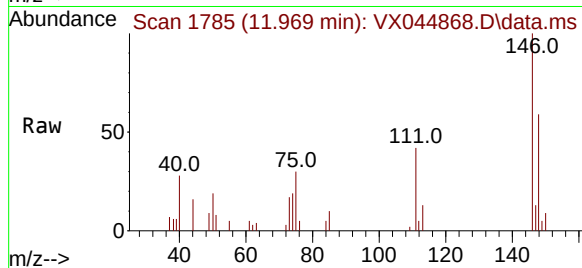
VSTDIC001

Tgt Ion:	146	Resp:	293
Ion Ratio	Lower	Upper	
146	100		
111	40.4	21.2	63.6
148	62.8	32.5	97.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 0.979 ug/l m

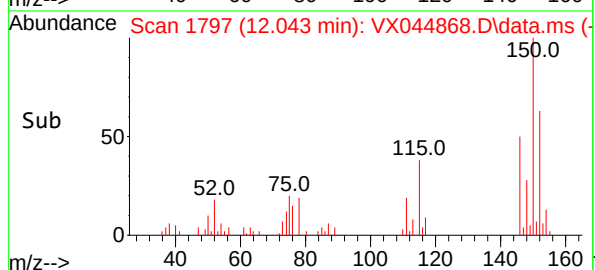
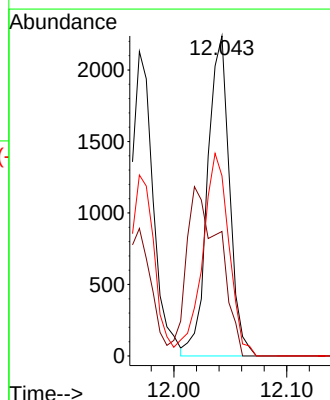
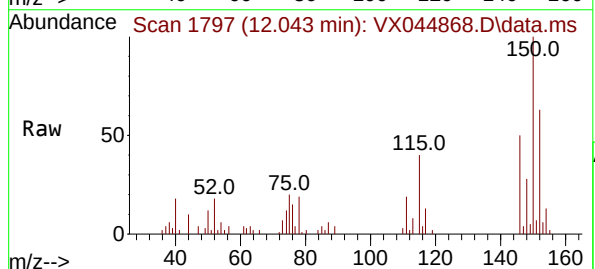
RT: 12.043 min Scan# 1797

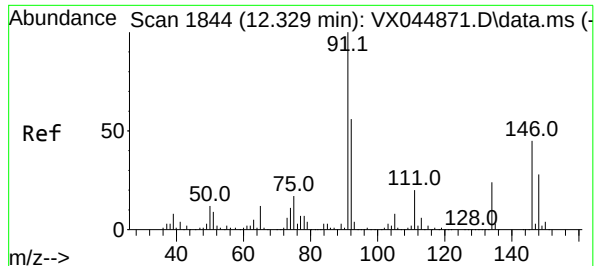
Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	146	Resp:	3016
Ion Ratio	Lower	Upper	
146	100		
111	39.3	20.4	61.3
148	61.0	32.0	96.0





#89

n-Butylbenzene

Concen: 0.734 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

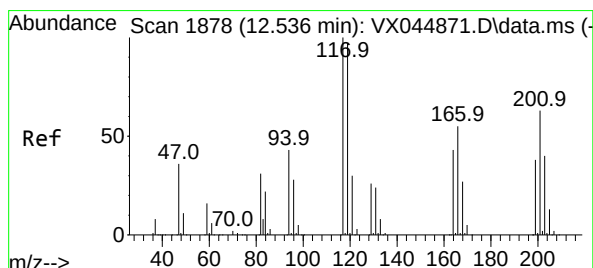
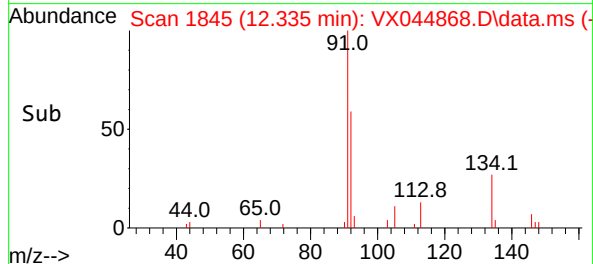
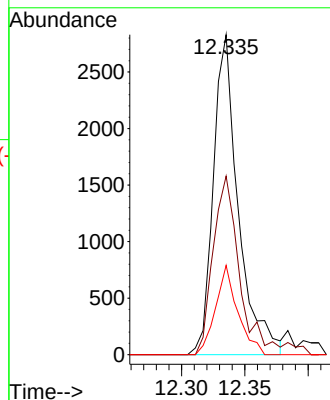
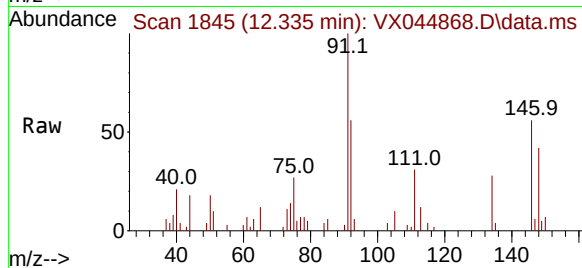
VSTDIC001

Tgt Ion: 91	Resp: 3880
Ion Ratio	Lower Upper
91	100
92	60.9 27.2 81.6
134	24.8 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 0.866 ug/l

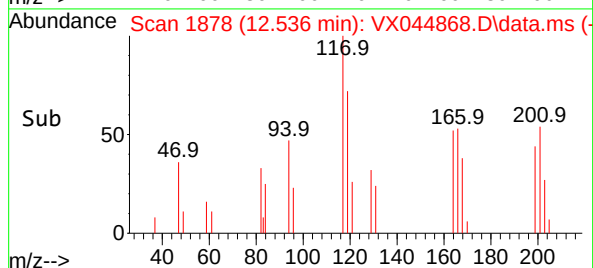
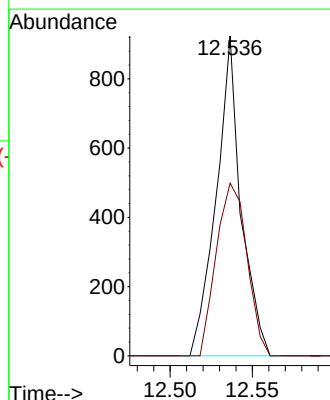
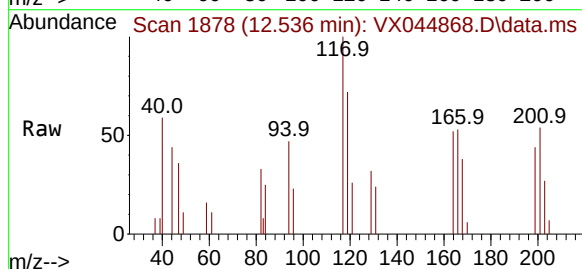
RT: 12.536 min Scan# 1878

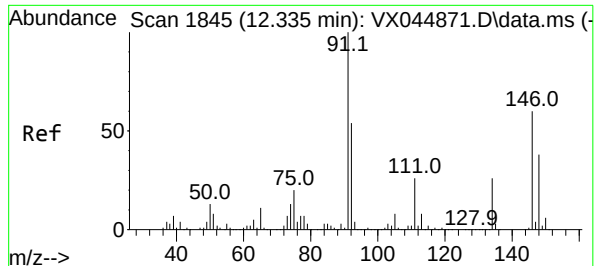
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 117	Resp: 968
Ion Ratio	Lower Upper
117	100
201	66.8 32.5 97.5





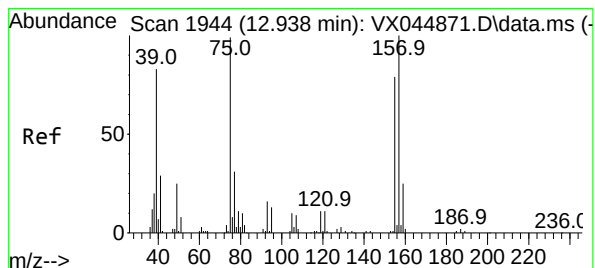
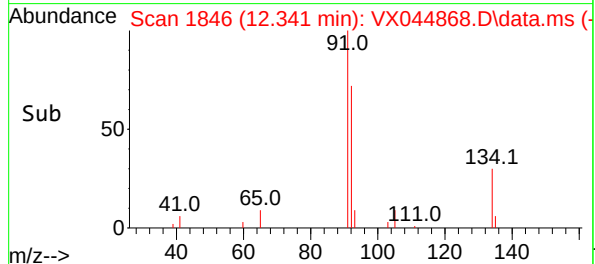
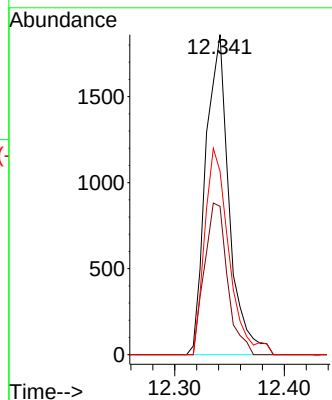
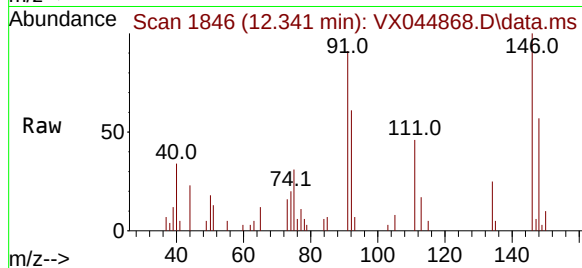
#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2744
Ion Ratio Lower Upper
146 100
111 46.7 21.8 65.4
148 67.2 31.9 95.9

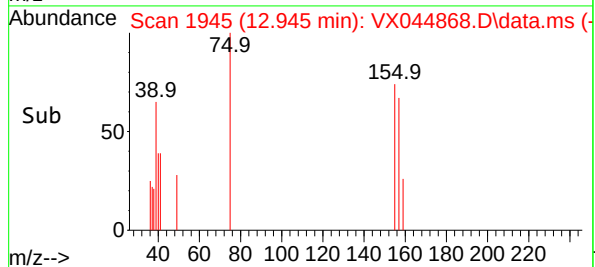
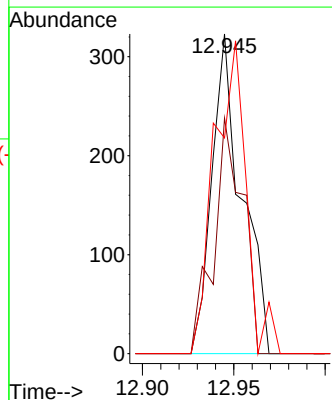
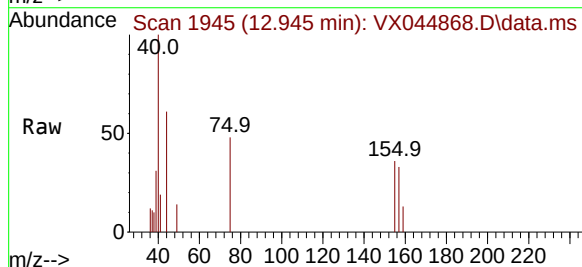
Manual Integrations
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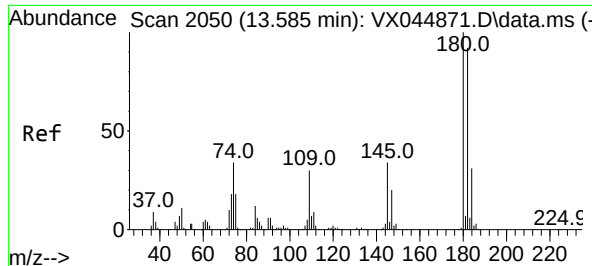
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.801 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 367
Ion Ratio Lower Upper
75 100
155 71.7 40.5 121.4
157 104.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 0.861 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

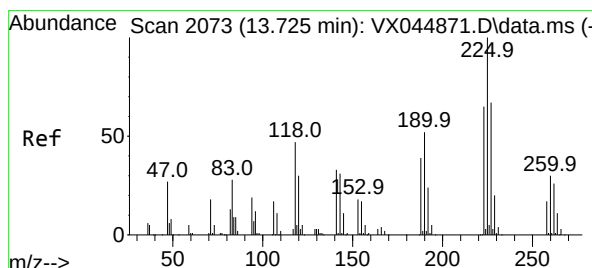
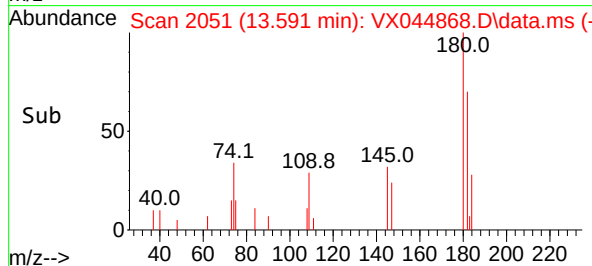
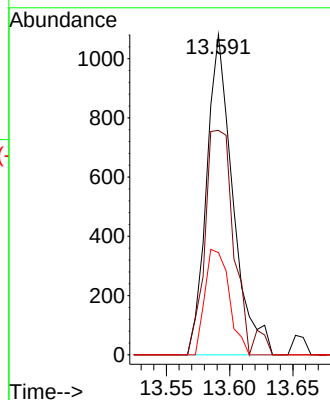
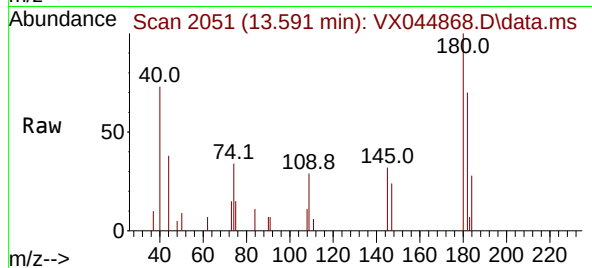
VSTDIC001

Tgt Ion:180	Resp:	1560
Ion Ratio	Lower	Upper
180	100	
182	78.7	47.6 142.8
145	30.4	16.4 49.1

Manual Integrations
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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 0.966 ug/l

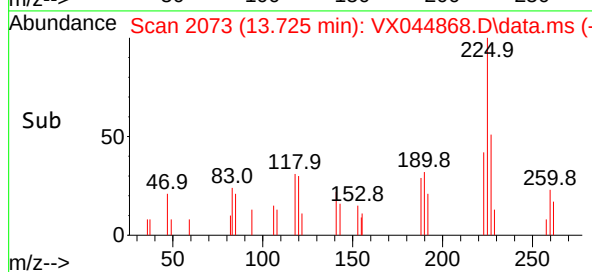
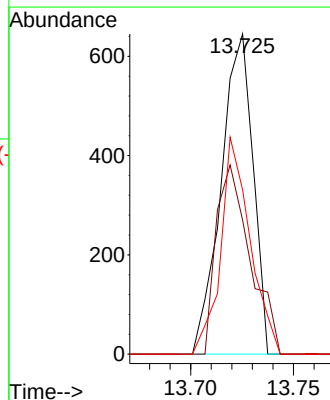
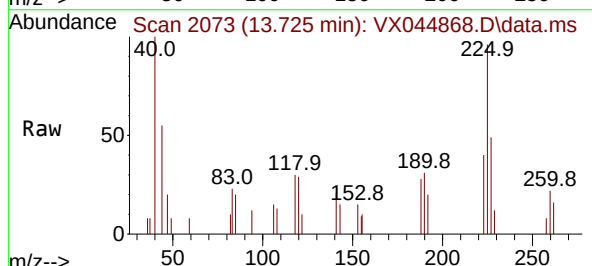
RT: 13.725 min Scan# 2073

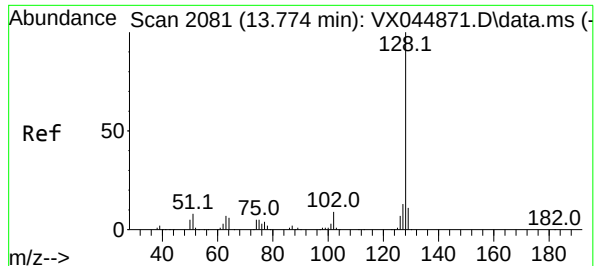
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:225	Resp:	695
Ion Ratio	Lower	Upper
225	100	
223	63.2	31.4 94.2
227	62.6	32.3 96.8





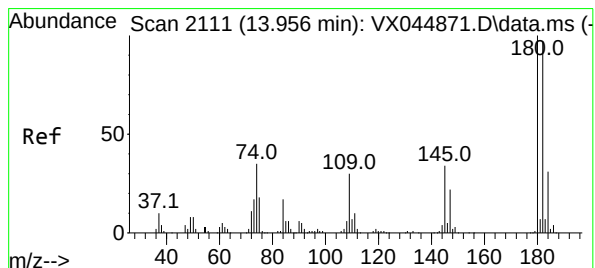
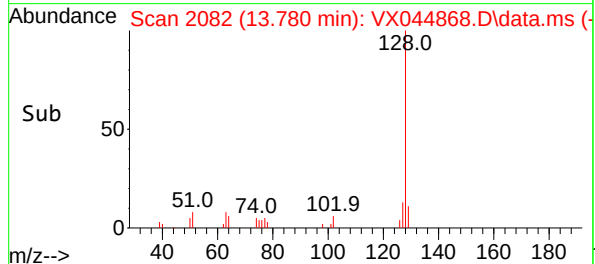
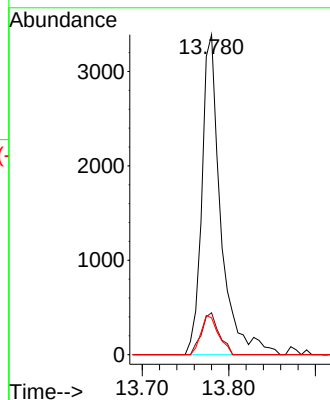
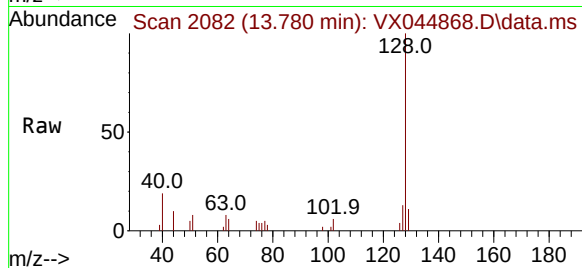
#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 512
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 11.3 8.9 13.3

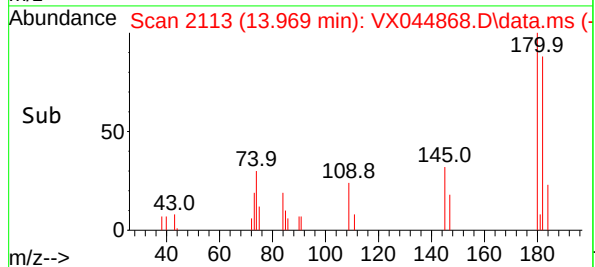
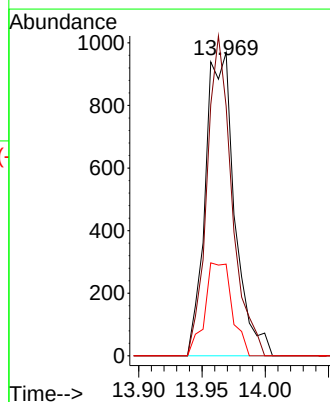
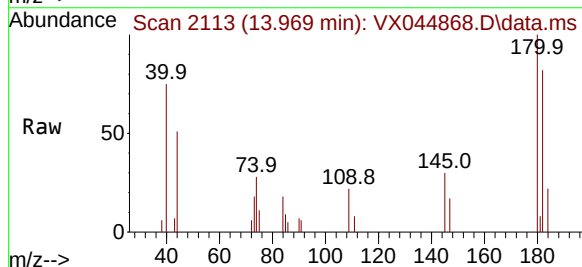
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.853 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180 Resp: 1557
Ion Ratio Lower Upper
180 100
182 90.0 47.9 143.6
145 28.5 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 11 03:36:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#		
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.300%#		
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	3918m	4.973	ug/l	
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.122	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 11 03:36:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699	ug/l	96
42) 1,2-Dichloroethane	6.086	62	11789	4.985	ug/l	100
43) Isopropyl Acetate	6.342	43	19803	4.640	ug/l	99
44) Trichloroethene	7.123	130	8614	5.079	ug/l	95
45) 1,2-Dichloropropane	7.428	63	8976	4.863	ug/l	98
46) Dibromomethane	7.586	93	6210	4.851	ug/l	95
47) Bromodichloromethane	7.818	83	12173	4.911	ug/l	94
48) Methyl methacrylate	7.702	41	9298	4.620	ug/l	98
49) 1,4-Dioxane	7.678	88	4365	101.099	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076	ug/l	100
52) Toluene	8.720	92	22090	4.999	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099	ug/l	98
56) Ethyl methacrylate	9.116	69	12351	4.502	ug/l	96
57) 1,3-Dichloropropane	9.305	76	14839	4.993	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382	ug/l	99
59) 2-Hexanone	9.433	43	45538	24.359	ug/l	99
60) Dibromochloromethane	9.519	129	8668	4.771	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8353	4.852	ug/l	96
64) Tetrachloroethene	9.269	164	6803	4.934	ug/l	95
65) Chlorobenzene	10.079	112	23903	5.090	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883	ug/l	97
67) Ethyl Benzene	10.189	91	40945	4.941	ug/l	97
68) m/p-Xylenes	10.299	106	30627	10.019	ug/l	100
69) o-Xylene	10.640	106	15761	5.139	ug/l	98
70) Styrene	10.653	104	24576	4.973	ug/l	99
71) Bromoform	10.799	173	5391	4.779	ug/l #	97
73) Isopropylbenzene	10.957	105	38315	4.983	ug/l	100
74) N-amyl acetate	10.842	43	16653	4.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	11011m	5.201	ug/l	
77) Bromobenzene	11.195	156	8789	5.042	ug/l	97
78) n-propylbenzene	11.305	91	43923	4.949	ug/l	99
79) 2-Chlorotoluene	11.360	91	27311	5.007	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013	ug/l	87
82) 4-Chlorotoluene	11.451	91	30138	4.994	ug/l	99
83) tert-Butylbenzene	11.713	119	31992	5.068	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042	ug/l	98
85) sec-Butylbenzene	11.890	105	38437	4.917	ug/l	98
86) p-Isopropyltoluene	12.006	119	30835	4.905	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971	ug/l	95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043	ug/l	95
89) n-Butylbenzene	12.329	91	25747	4.630	ug/l	97
90) Hexachloroethane	12.536	117	5620	4.775	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680	ug/l	99
94) Hexachlorobutadiene	13.719	225	3595	4.750	ug/l	99
95) Naphthalene	13.774	128	32776	4.756	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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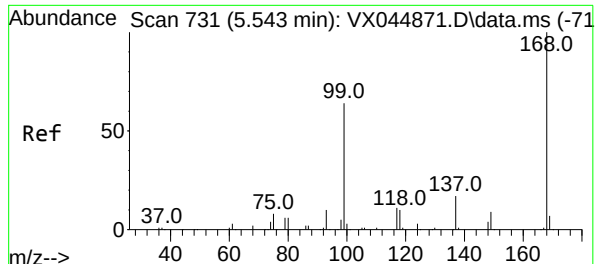
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





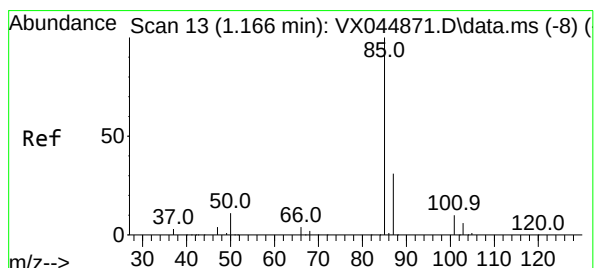
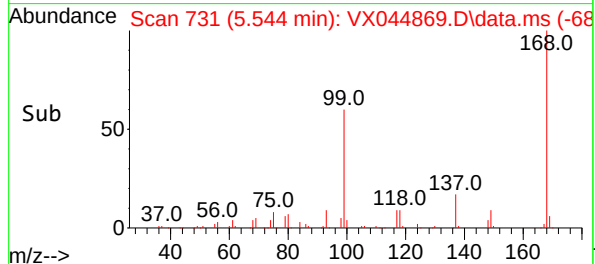
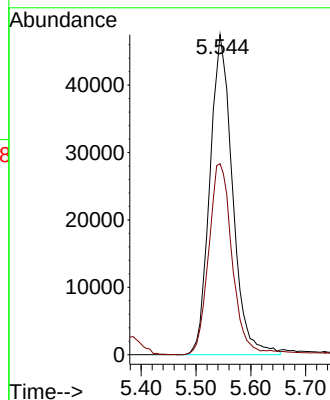
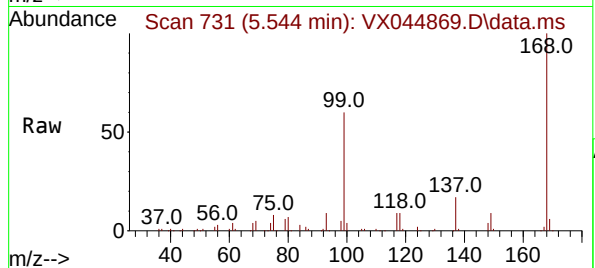
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 13610
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8

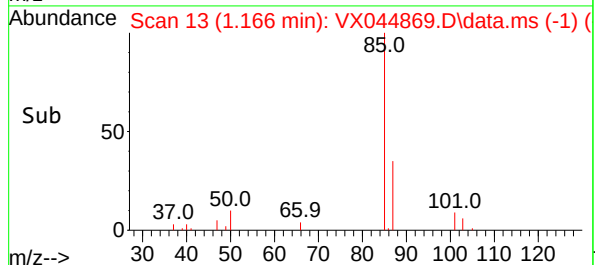
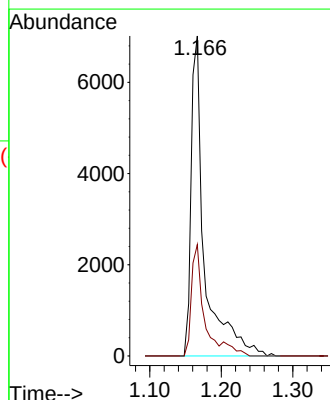
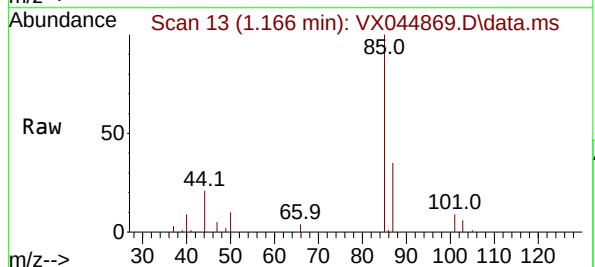
Manual Integrations
APPROVED

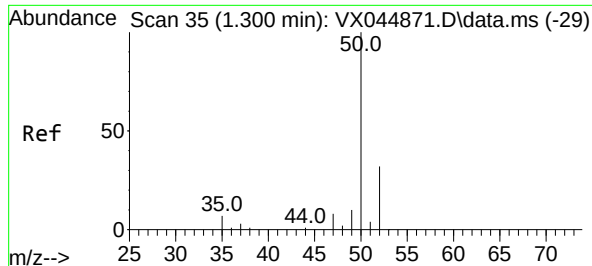
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109
Ion Ratio Lower Upper
85 100
87 34.8 15.8 47.3





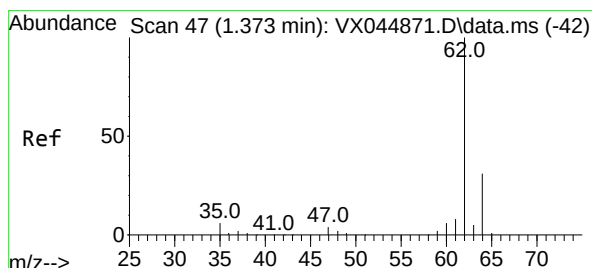
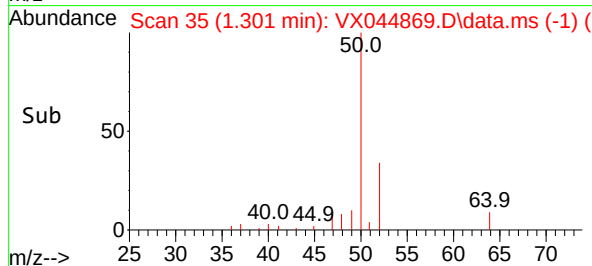
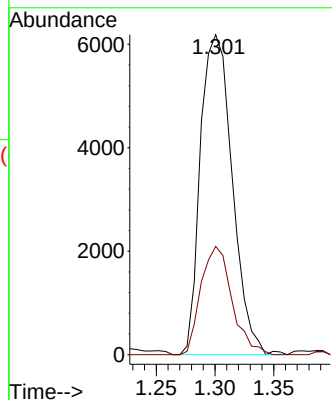
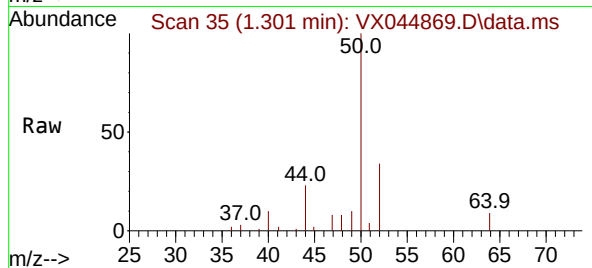
#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1171
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9

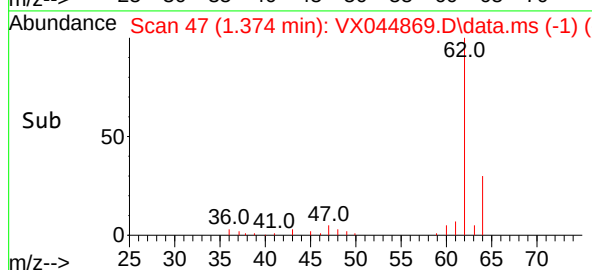
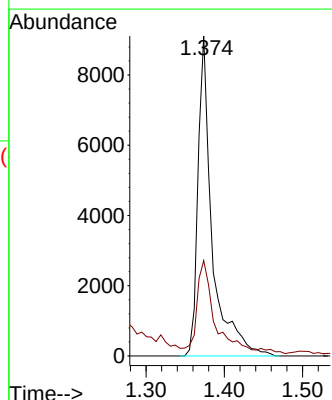
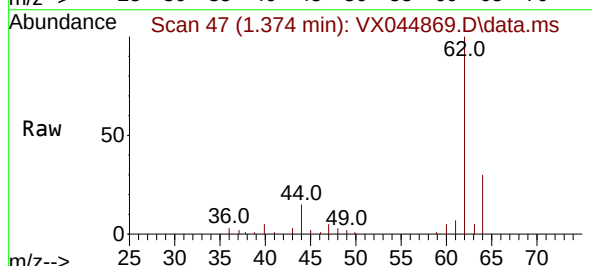
Manual Integrations
APPROVED

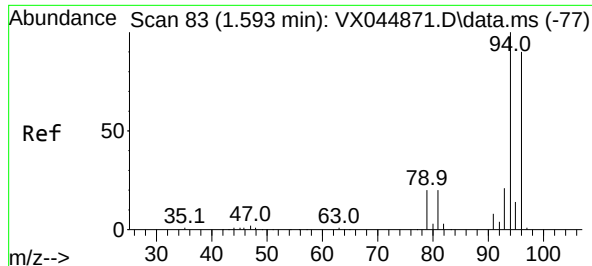
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509
Ion Ratio Lower Upper
62 100
64 28.4 25.4 38.0





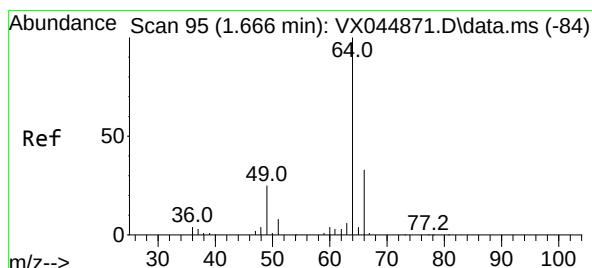
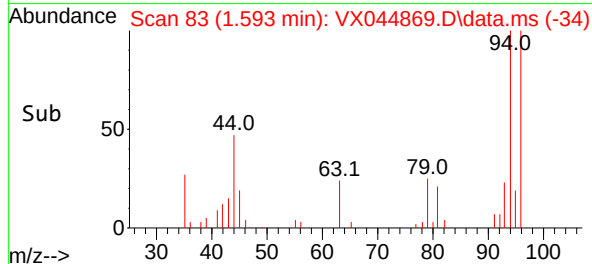
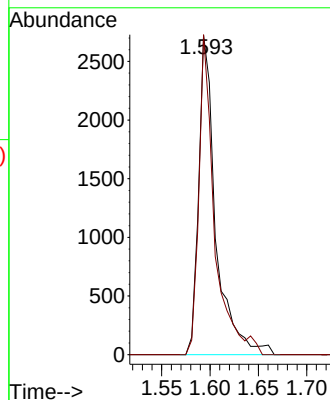
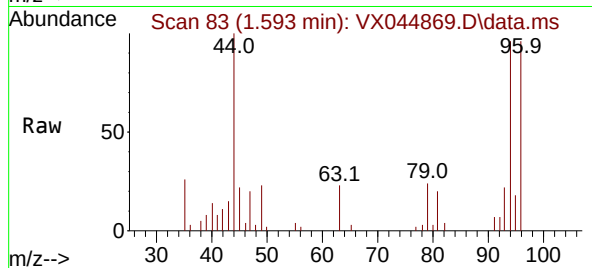
#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 100.2 71.6 107.4

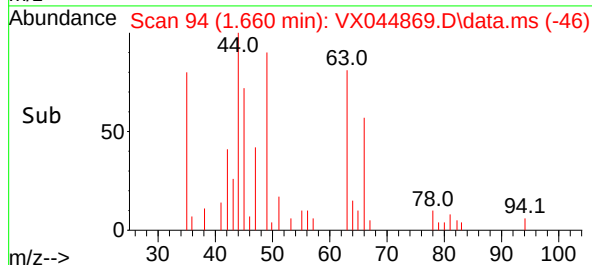
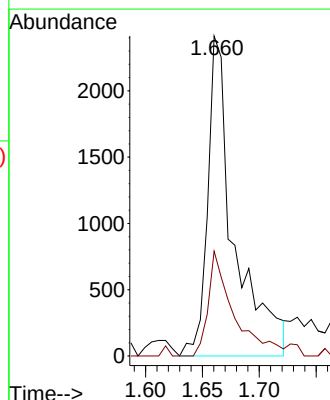
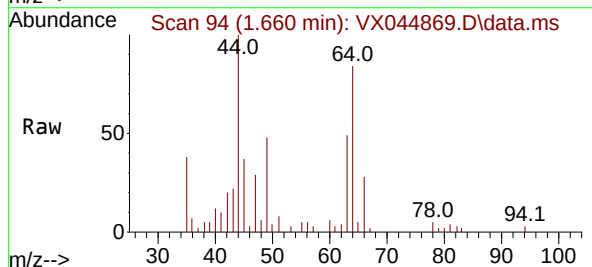
Manual Integrations
APPROVED

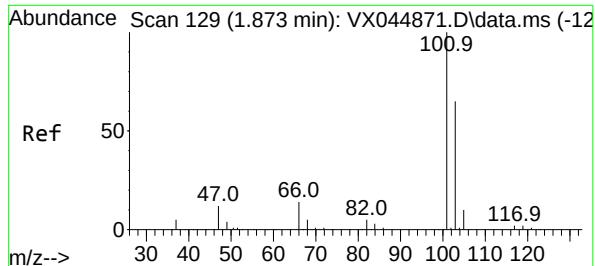
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 4.973 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 3918
Ion Ratio Lower Upper
64 100
66 32.8 25.9 38.9





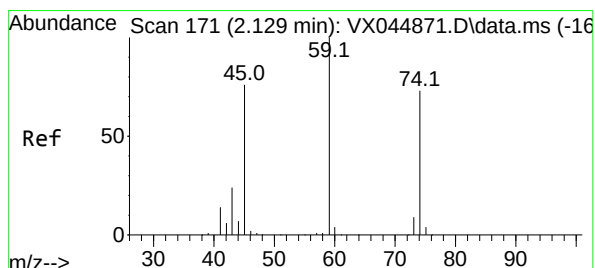
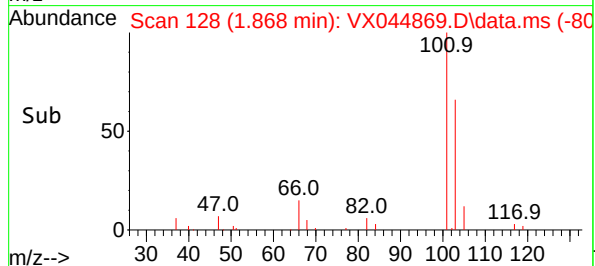
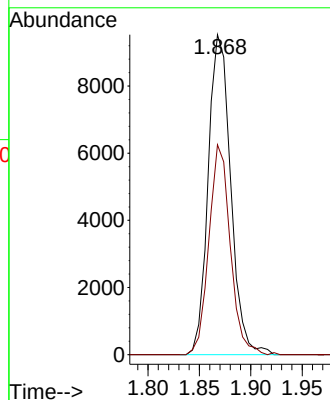
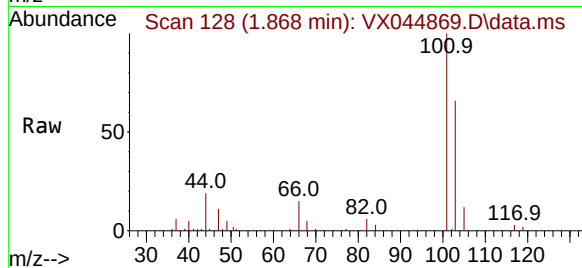
#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 14500
Ion Ratio Lower Upper
101 100
103 65.6 52.4 78.6

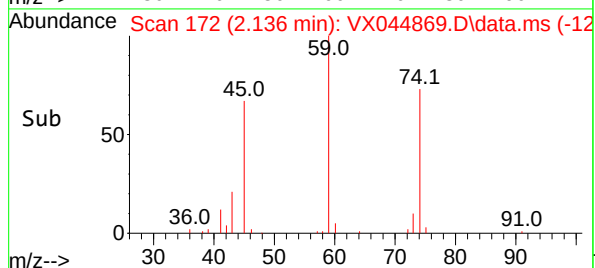
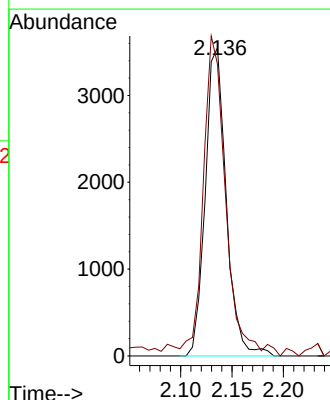
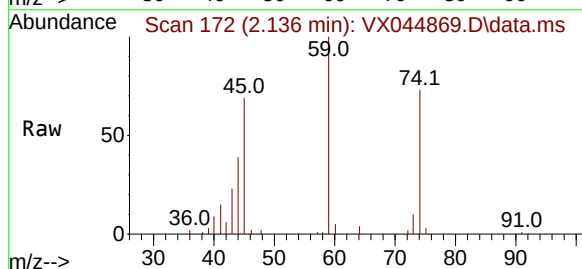
Manual Integrations
APPROVED

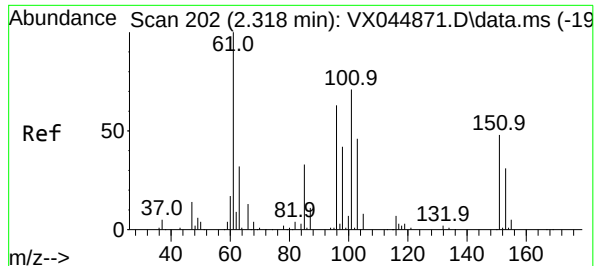
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062
Ion Ratio Lower Upper
74 100
45 112.2 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.120 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

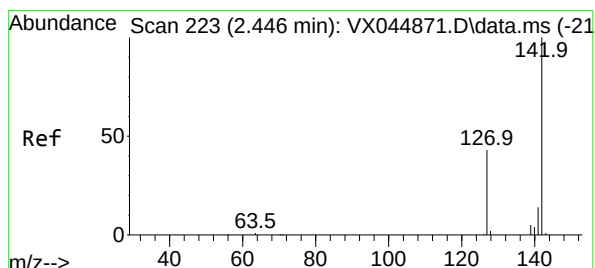
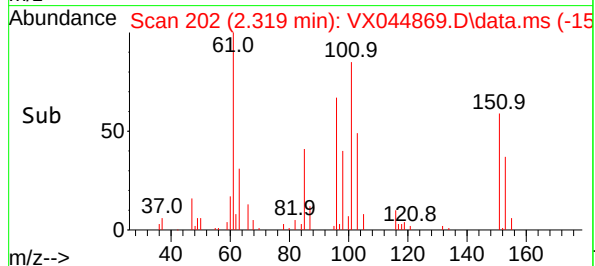
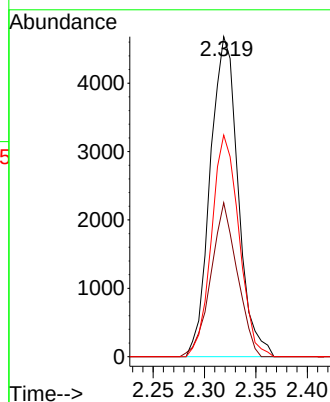
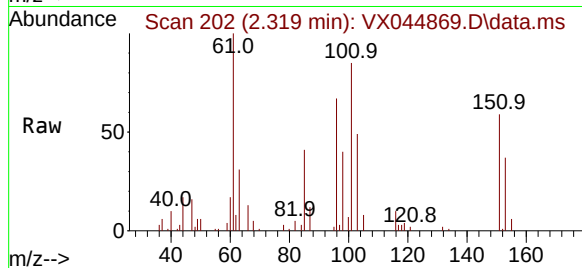
Tgt Ion:	101	Resp:	880
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	68.3	56.0	84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 4.591 ug/l

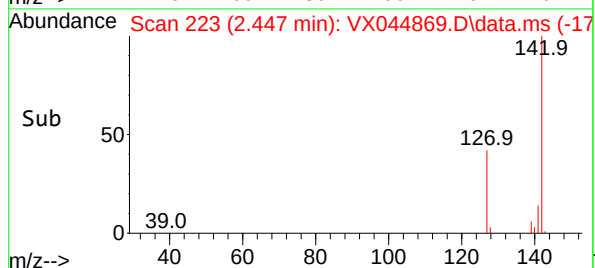
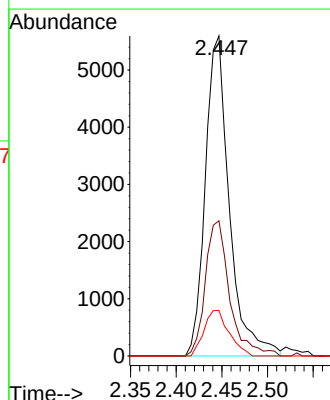
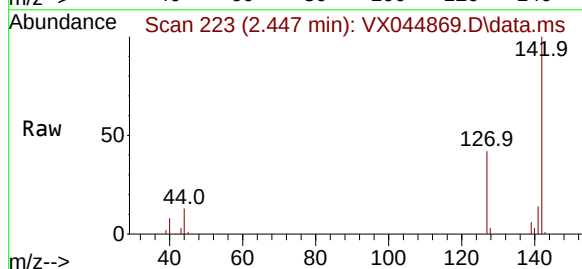
RT: 2.447 min Scan# 223

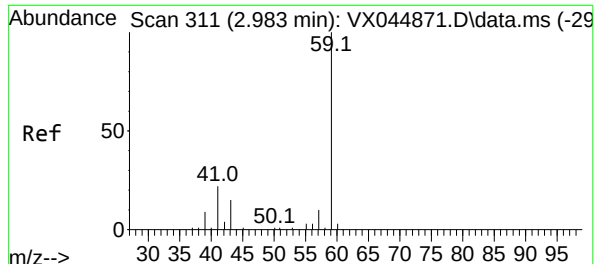
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	142	Resp:	10233
Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.3	51.5
141	14.8	11.4	17.2





#11

Tert butyl alcohol

Concen: 27.175 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 1004

Ion Ratio Lower Upper

59 100

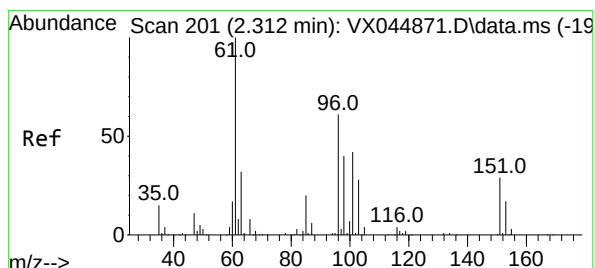
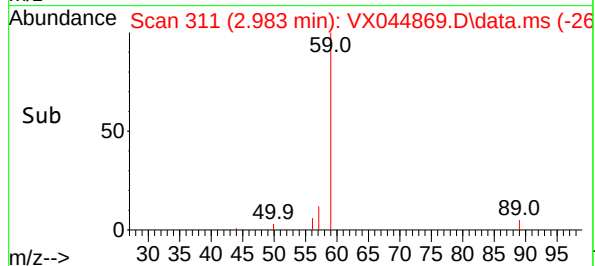
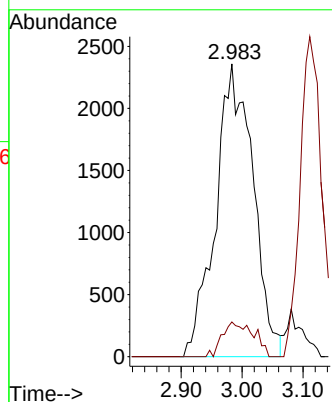
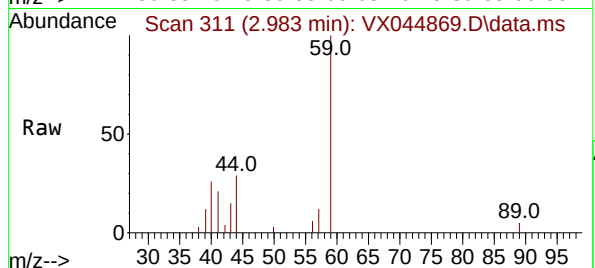
57 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 4.955 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

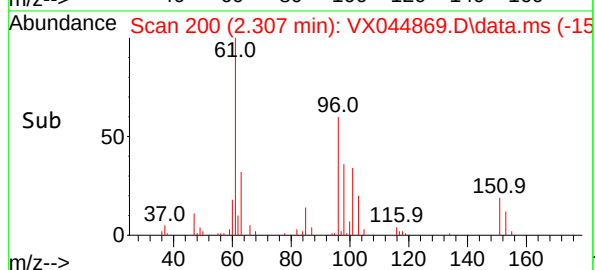
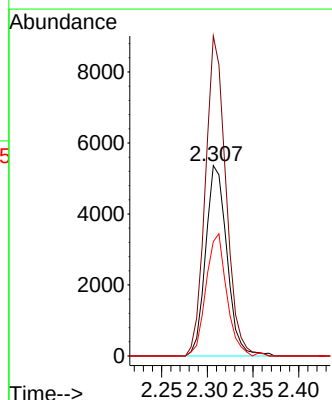
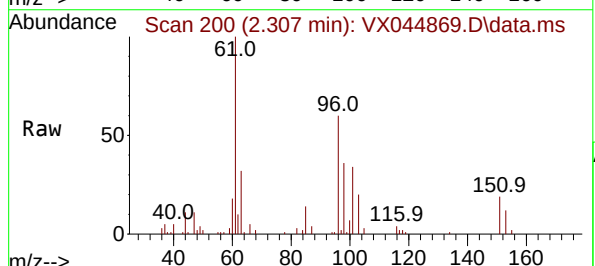
Tgt Ion: 96 Resp: 8692

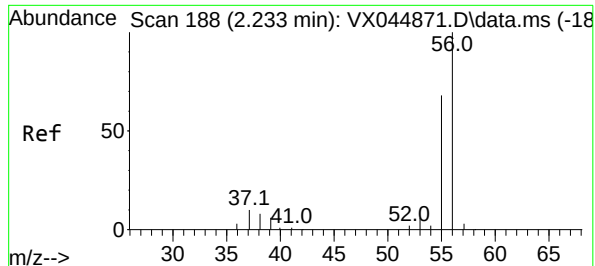
Ion Ratio Lower Upper

96 100

61 168.0 130.2 195.4

98 60.1 52.2 78.4





#13

Acrolein

Concen: 25.567 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 9750

Ion Ratio Lower Upper

56 100

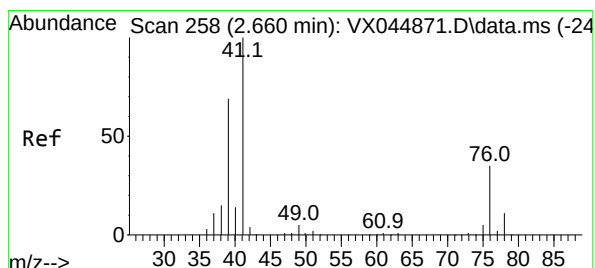
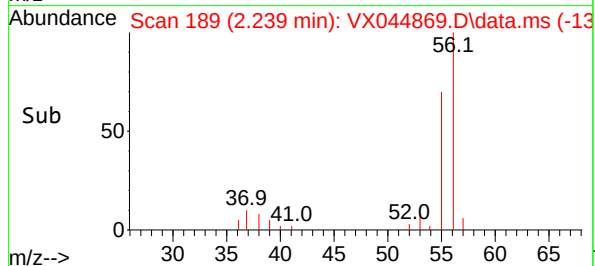
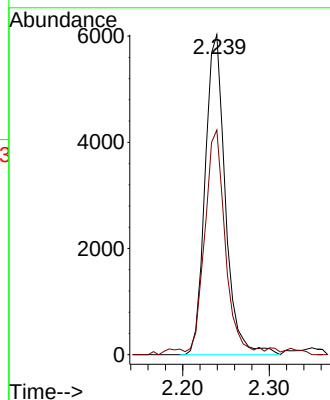
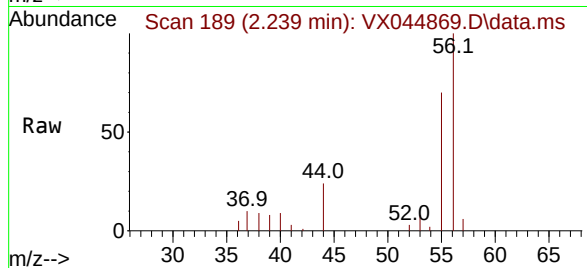
55 71.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 4.936 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

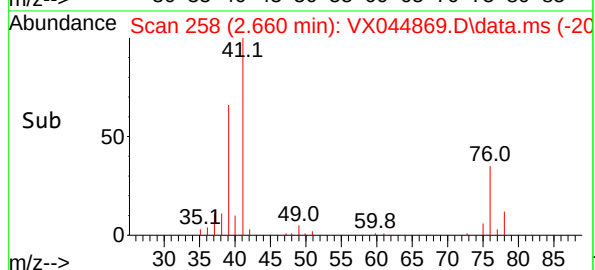
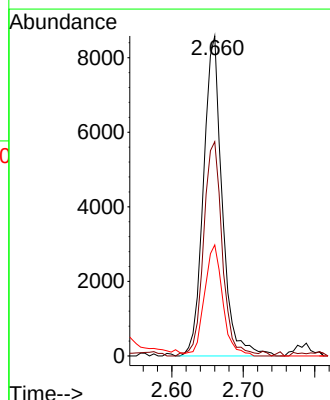
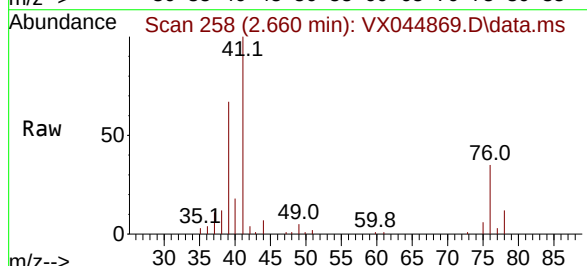
Tgt Ion: 41 Resp: 15649

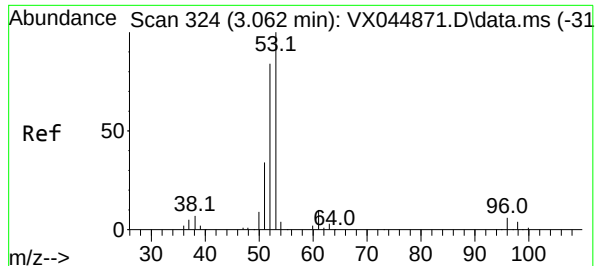
Ion Ratio Lower Upper

41 100

39 66.7 51.4 77.2

76 33.9 27.0 40.4





#15

Acrylonitrile

Concen: 24.422 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

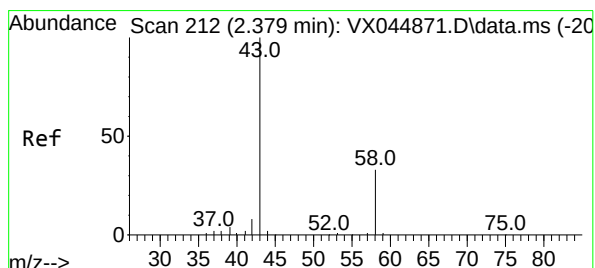
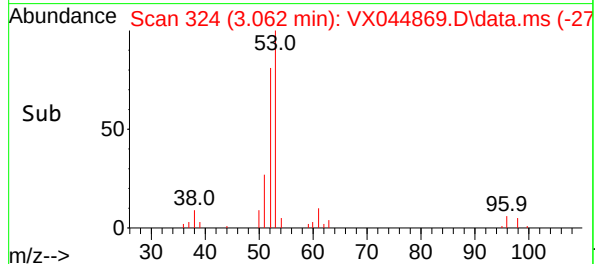
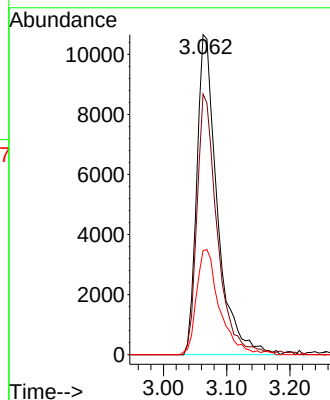
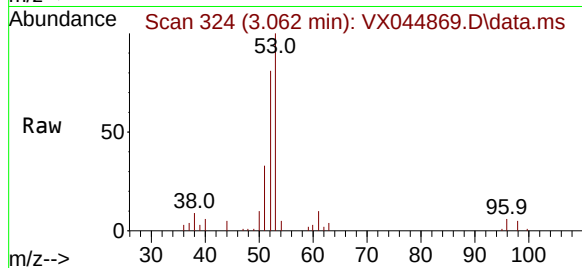
VSTDIC005

Tgt Ion:	53	Resp:	2410
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.6	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 24.817 ug/l

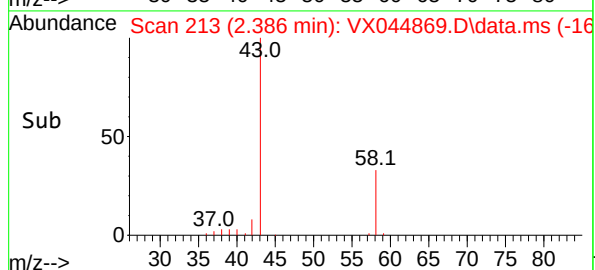
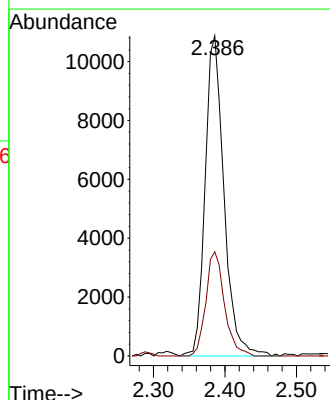
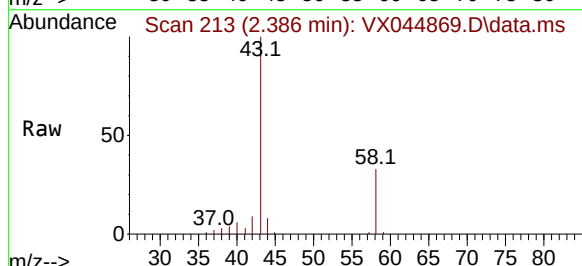
RT: 2.386 min Scan# 213

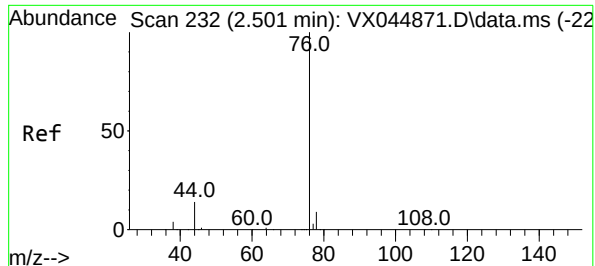
Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	43	Resp:	19877
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7





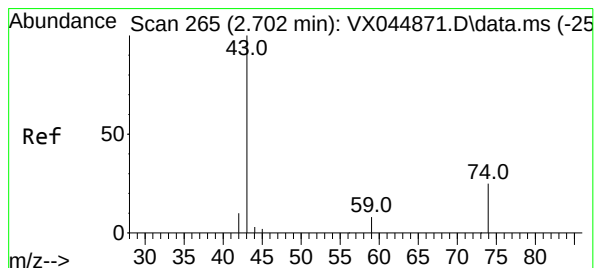
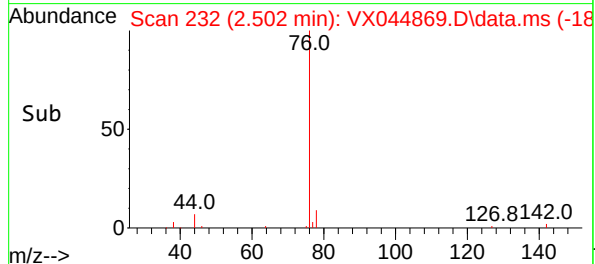
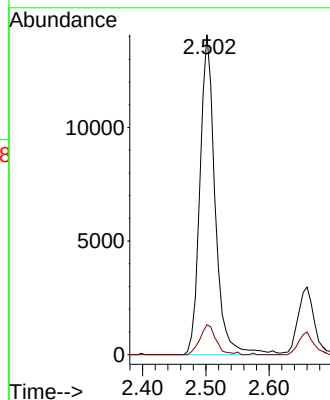
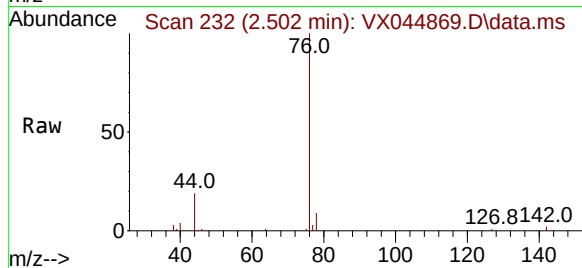
#17
Carbon Disulfide
Concen: 4.899 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 2356
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

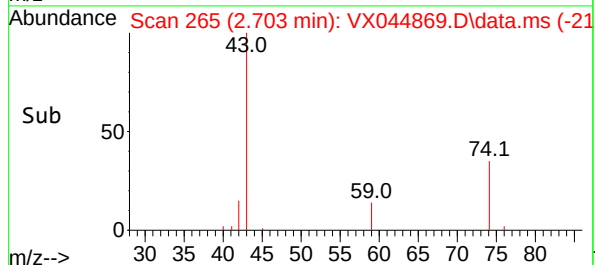
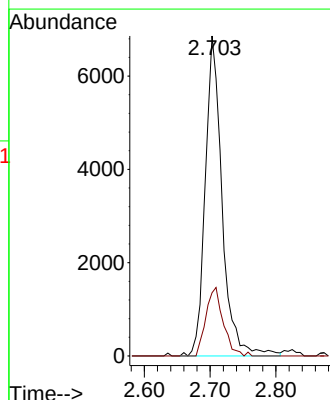
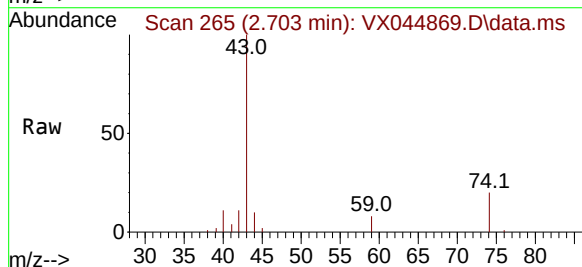
Manual Integrations
APPROVED

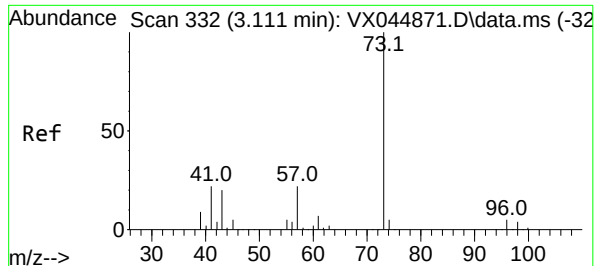
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 12257
Ion Ratio Lower Upper
43 100
74 22.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 5.034 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 28100

Ion Ratio Lower Upper

73 100

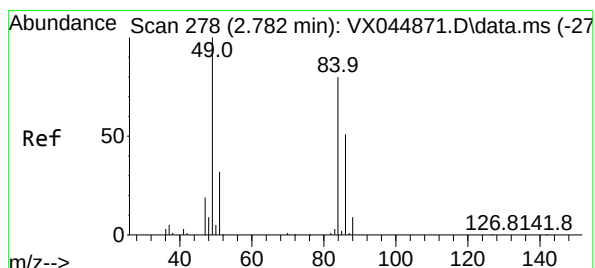
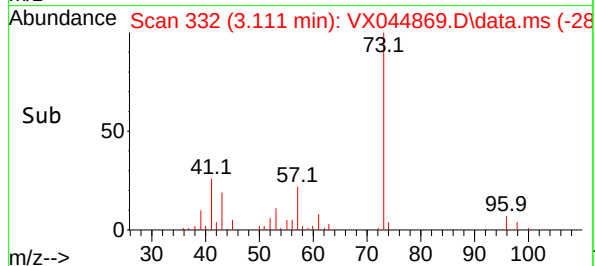
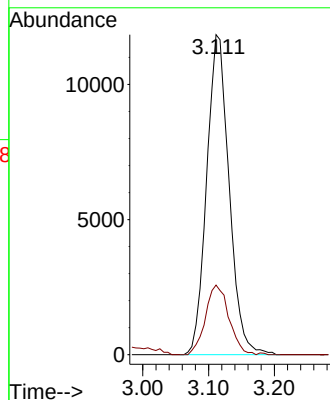
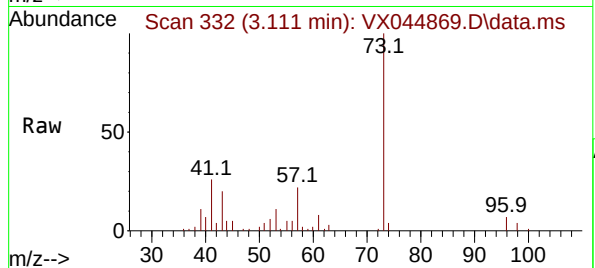
57 21.8 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 4.973 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757

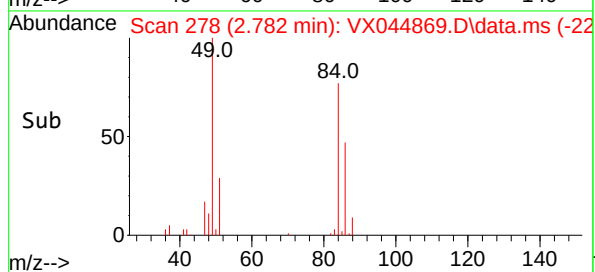
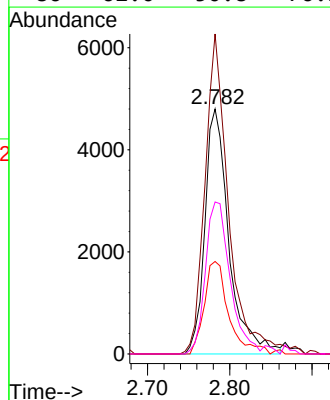
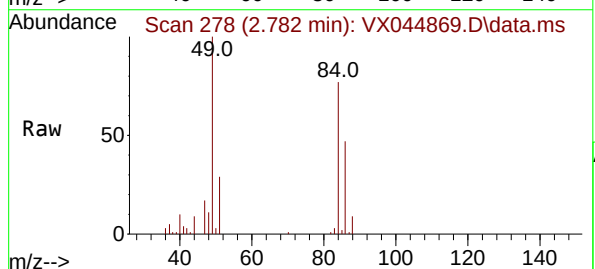
Ion Ratio Lower Upper

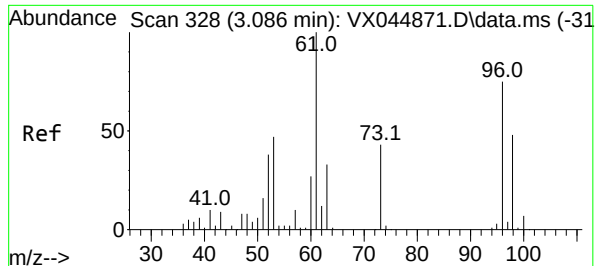
84 100

49 130.7 100.1 150.1

51 37.7 31.7 47.5

86 62.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 4.906 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 96 Resp: 8470

Ion Ratio Lower Upper

96 100

61 125.5 106.0 159.0

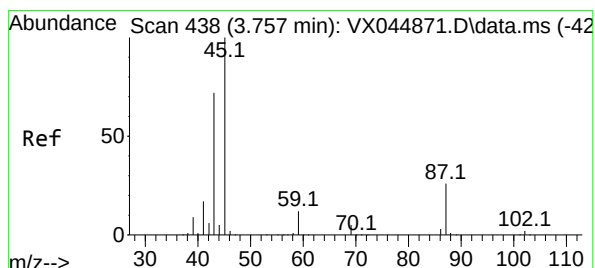
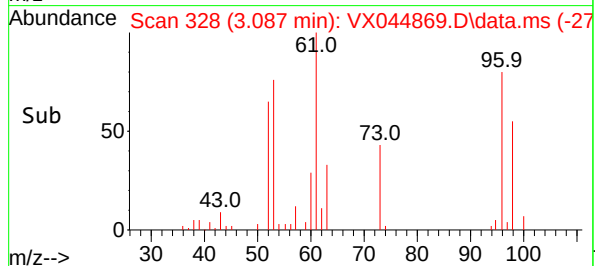
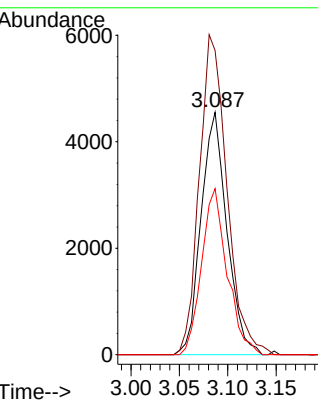
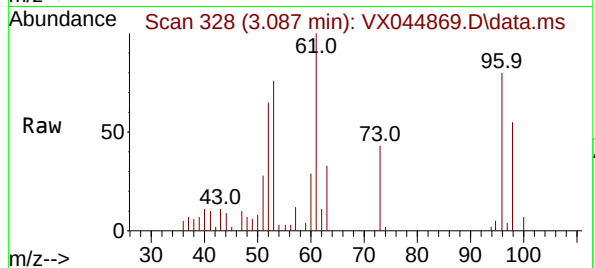
98 68.5 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#22

Diisopropyl ether

Concen: 4.963 ug/l

RT: 3.757 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768

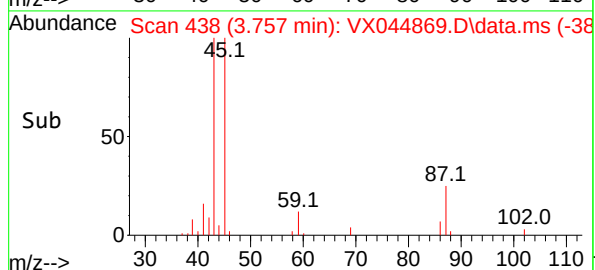
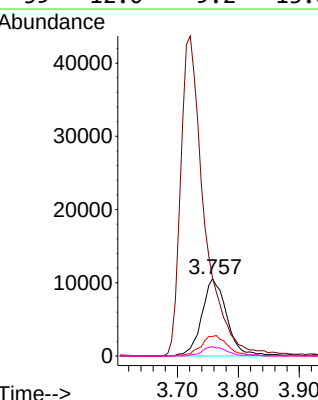
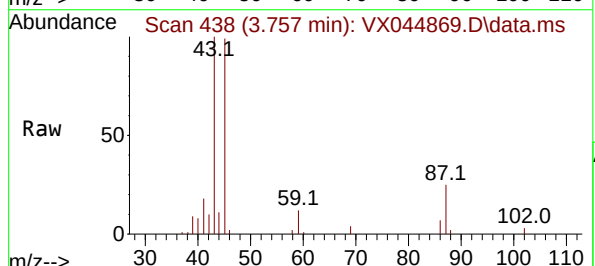
Ion Ratio Lower Upper

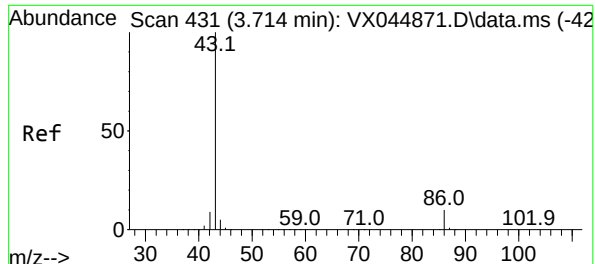
45 100

43 97.8 58.0 87.0#

87 25.2 20.7 31.1

59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 24.358 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 119108

Ion Ratio Lower Upper

43

100

86

11.0

8.3

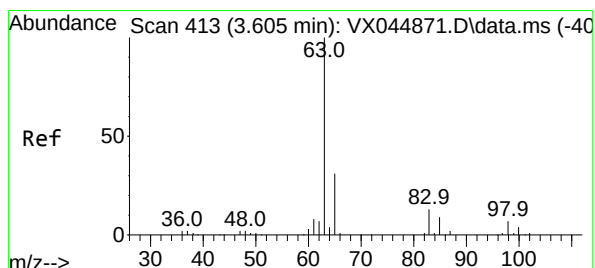
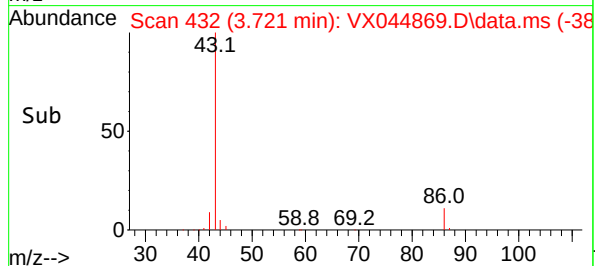
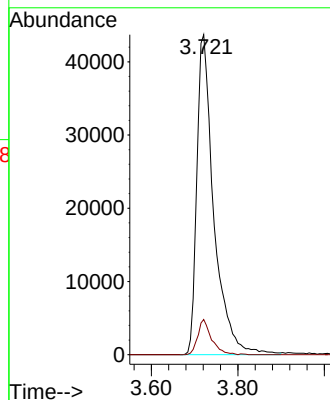
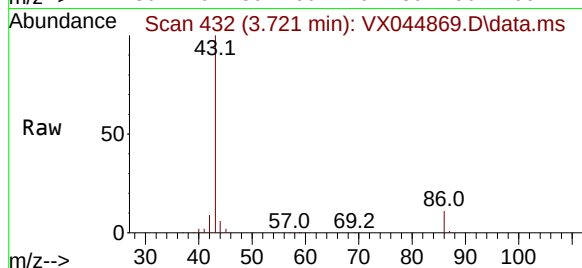
12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 5.099 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113

Ion Ratio Lower Upper

63

100

98

5.9

3.3

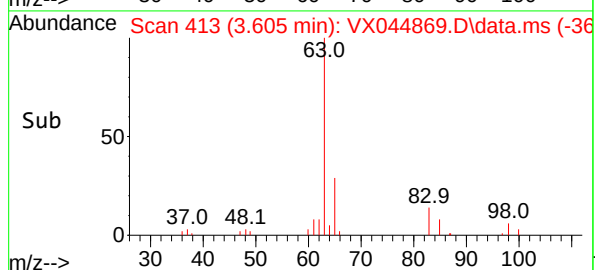
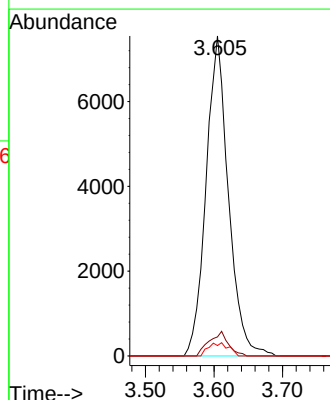
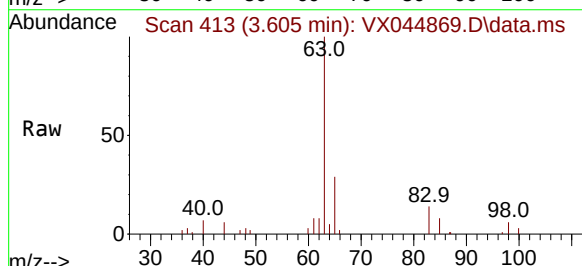
9.9

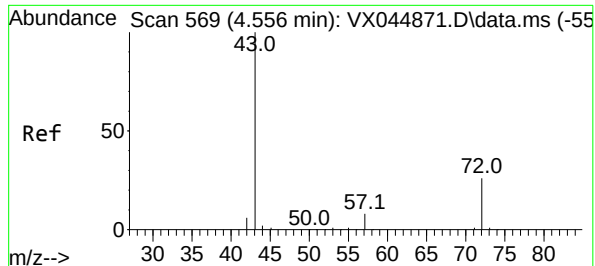
100

3.2

2.1

6.5





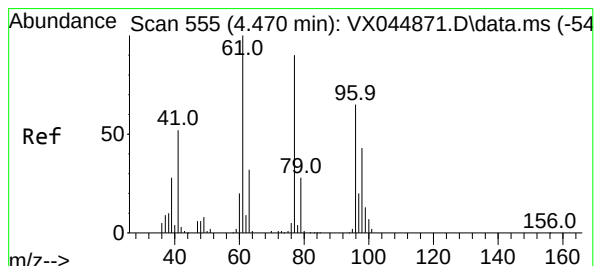
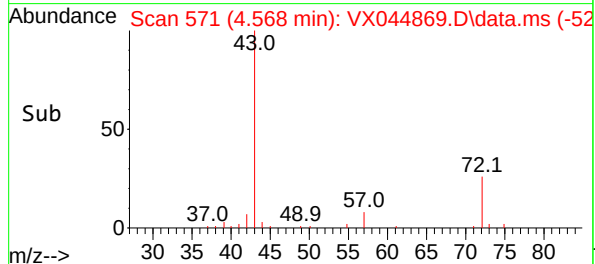
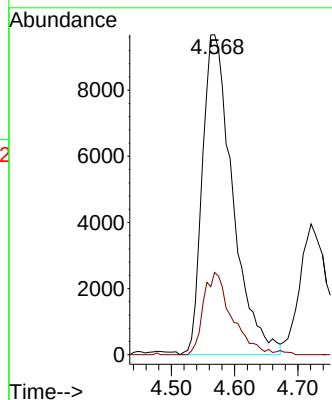
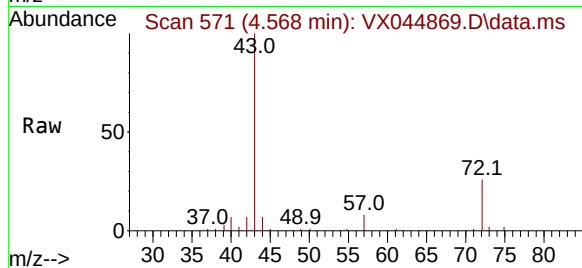
#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 3212
Ion Ratio Lower Upper
43 100
72 25.7 21.2 31.8

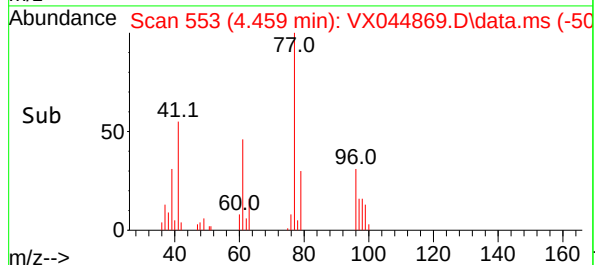
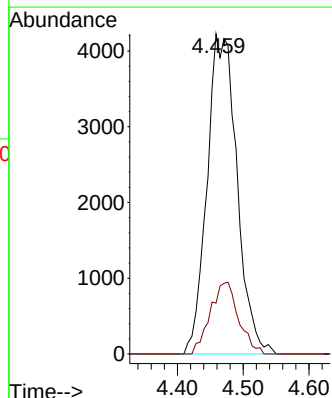
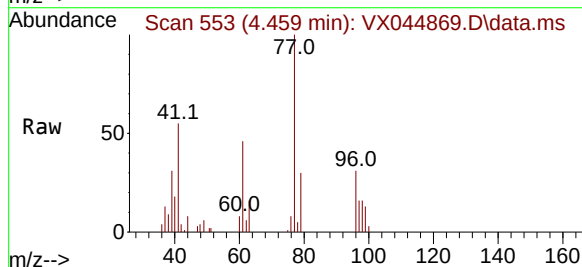
Manual Integrations
APPROVED

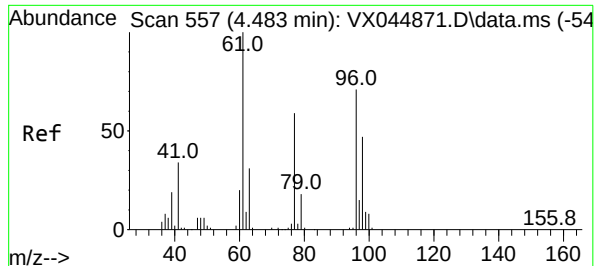
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#26
2,2-Dichloropropane
Concen: 5.022 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 77 Resp: 13365
Ion Ratio Lower Upper
77 100
97 21.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 5.141 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1066

Ion Ratio Lower Upper

96 100

61 140.8 0.0 294.0

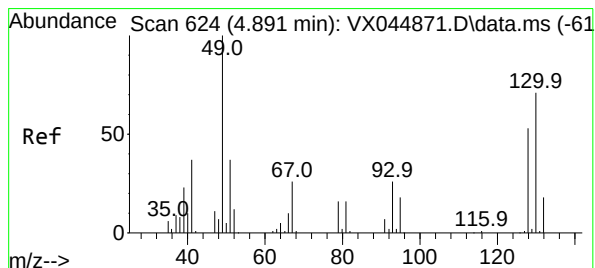
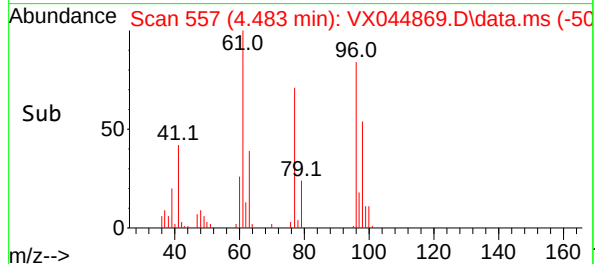
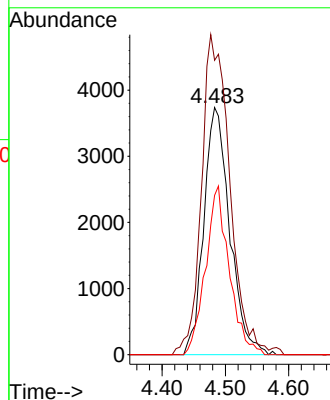
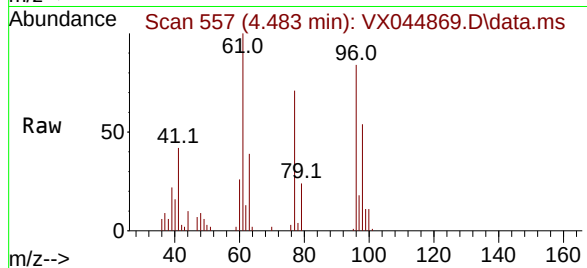
98 62.4 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 4.886 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

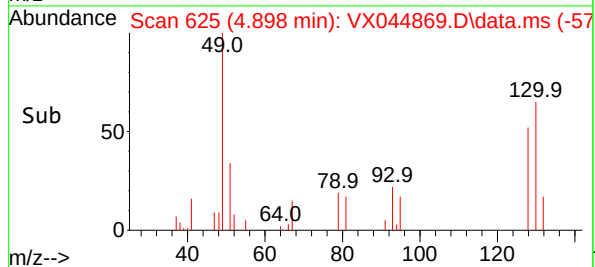
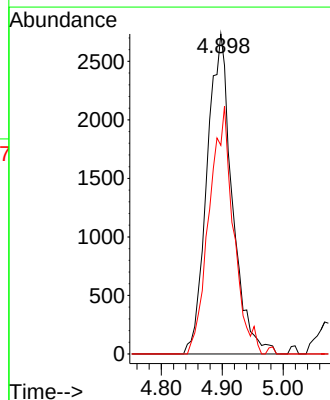
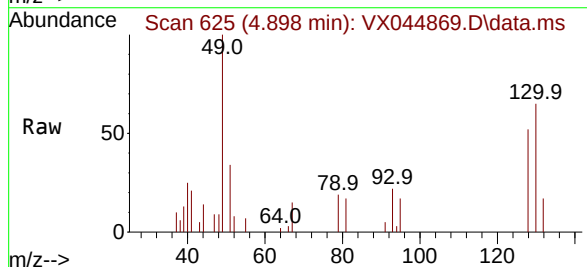
Tgt Ion: 49 Resp: 7881

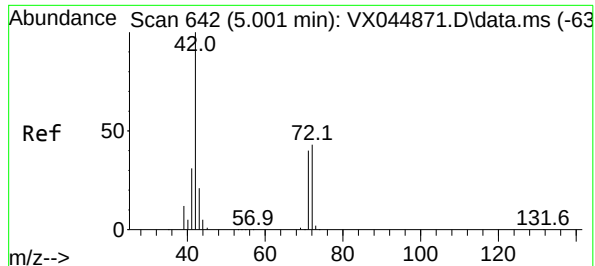
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 74.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 24.429 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 42 Resp: 2109

Ion Ratio Lower Upper

42 100

72 45.3 35.0 52.4

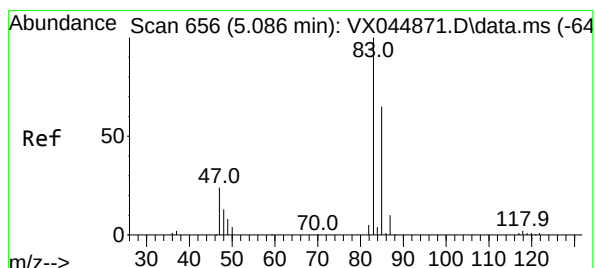
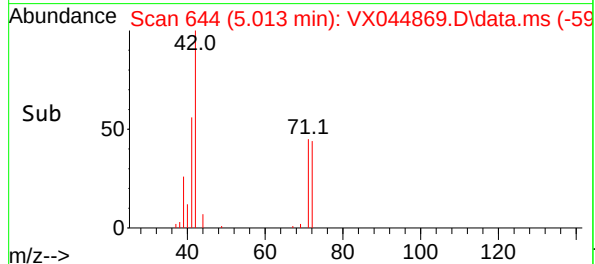
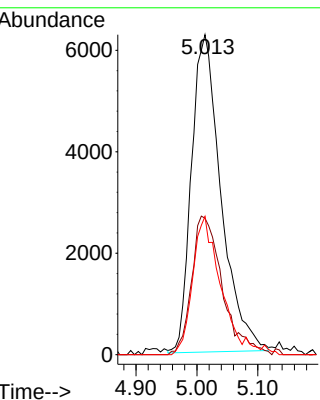
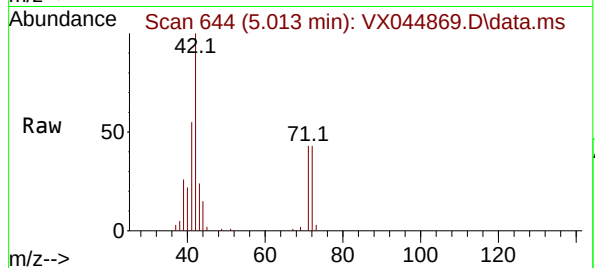
71 41.6 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 5.054 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044869.D

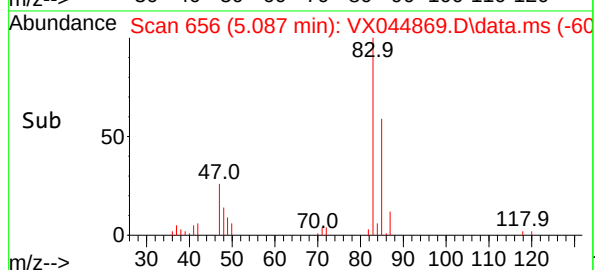
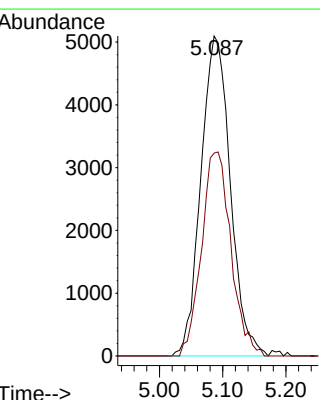
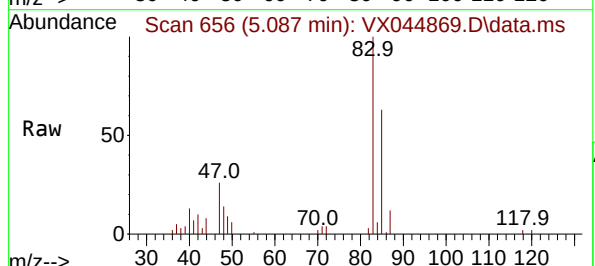
Acq: 10 Feb 2025 10:48

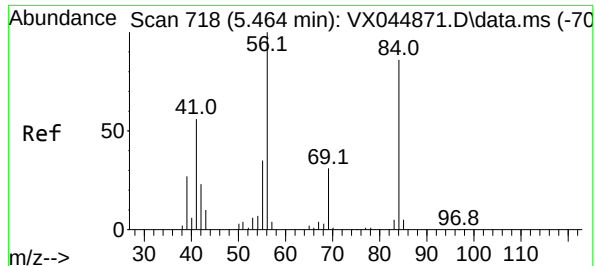
Tgt Ion: 83 Resp: 16449

Ion Ratio Lower Upper

83 100

85 63.4 52.1 78.1





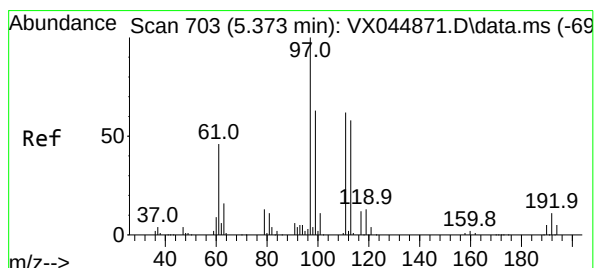
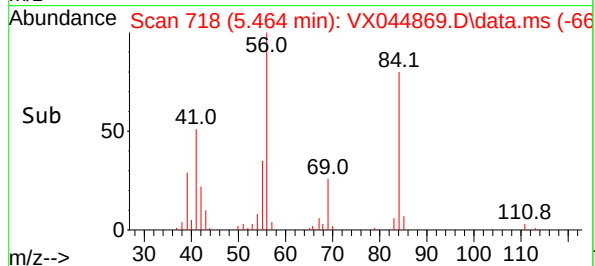
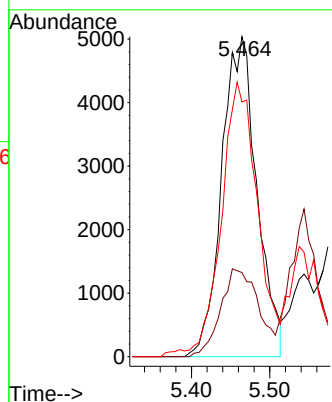
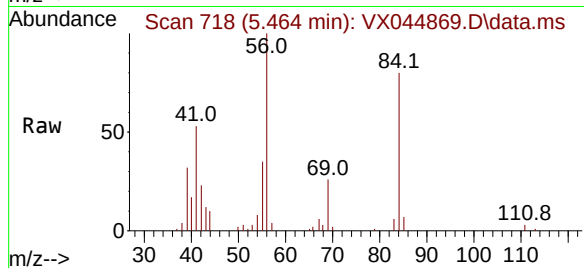
#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 1570
Ion Ratio Lower Upper
56 100
69 26.3 24.4 36.6
84 77.4 69.0 103.6

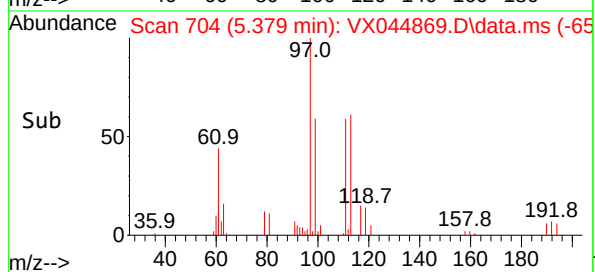
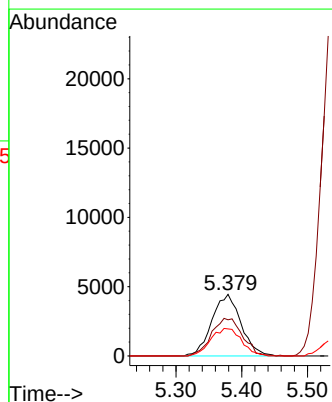
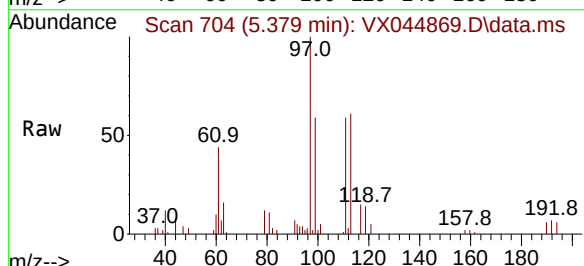
Manual Integrations
APPROVED

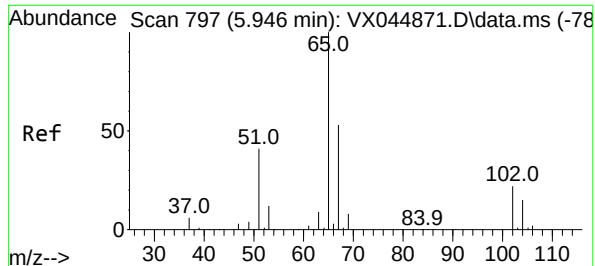
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 13658
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.6
61 47.3 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 5.219 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 65 Resp: 1039

Ion Ratio Lower Upper

65 100

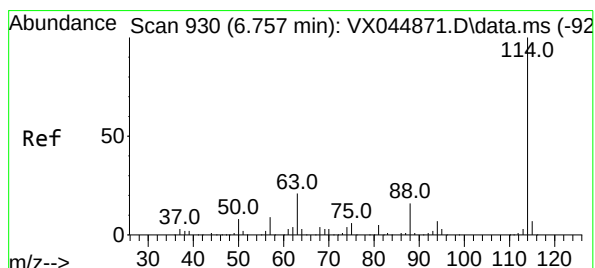
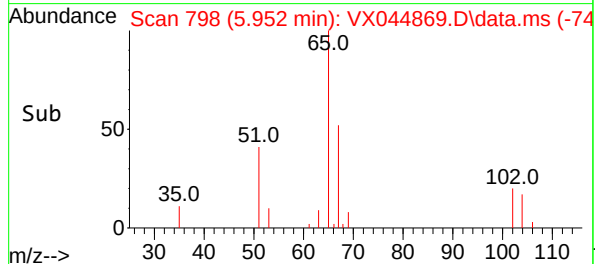
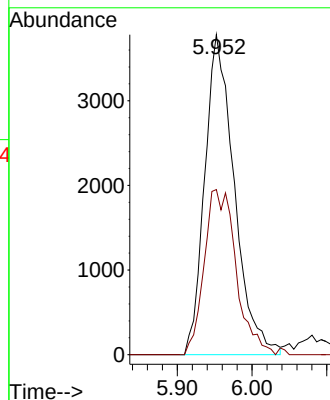
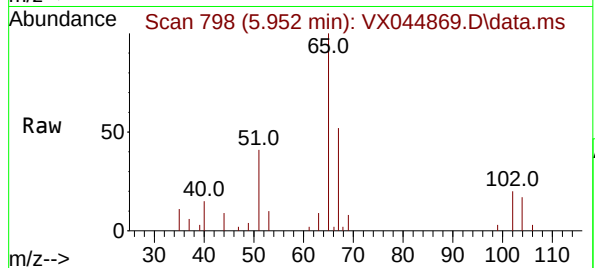
67 55.6 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

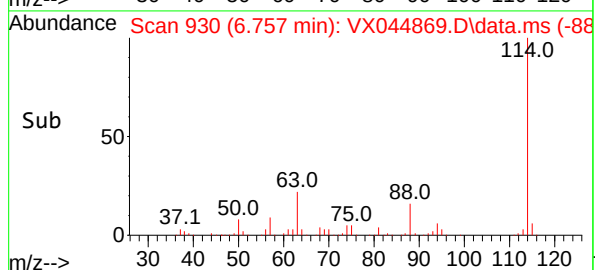
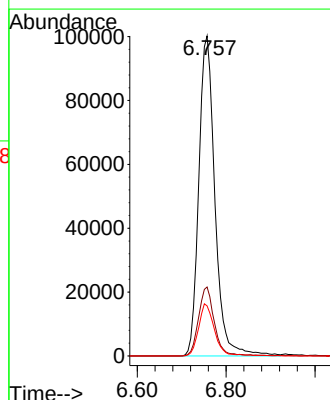
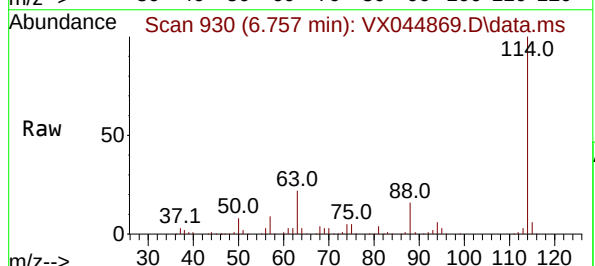
Tgt Ion:114 Resp: 253314

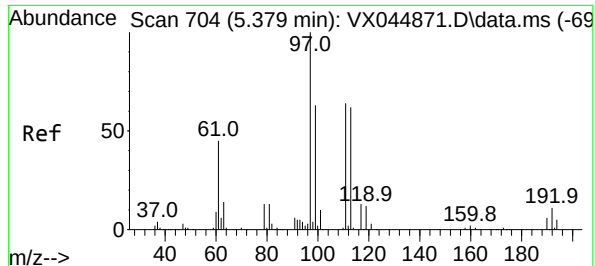
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 5.150 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 113 Resp: 848

Ion Ratio Lower Upper

113 100

111 104.6 83.5 125.3

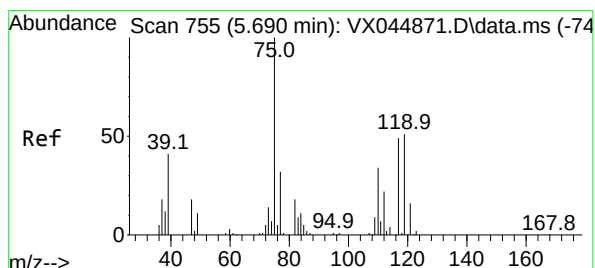
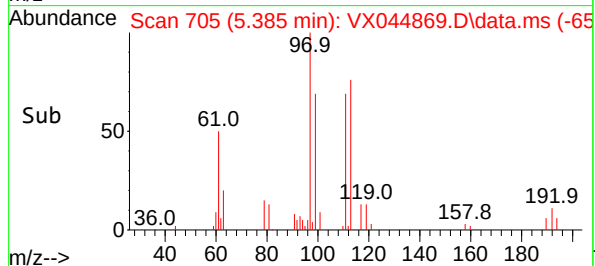
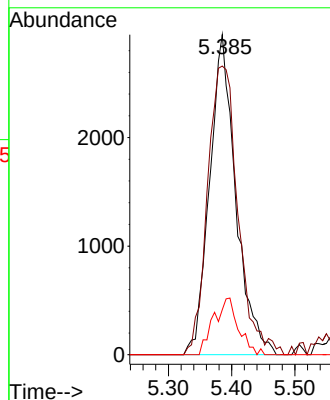
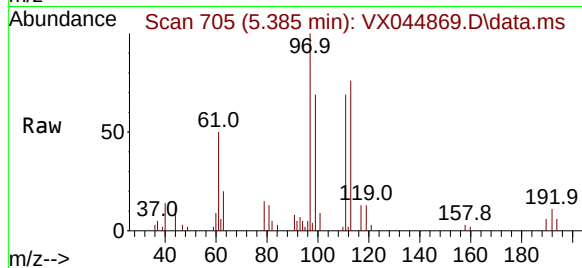
192 16.7 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 4.981 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

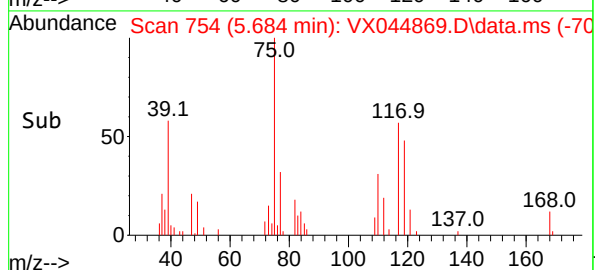
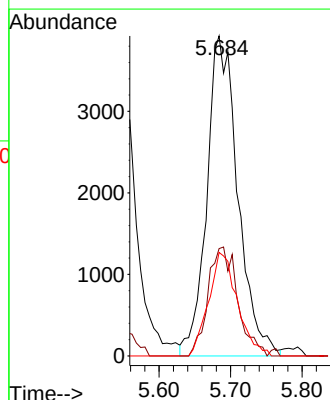
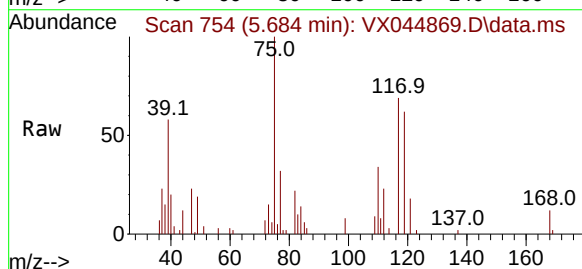
Tgt Ion: 75 Resp: 11835

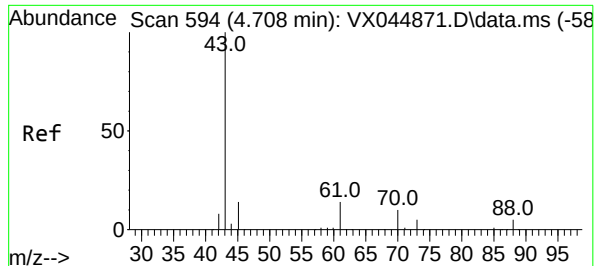
Ion Ratio Lower Upper

75 100

110 32.4 17.2 51.6

77 30.0 24.6 37.0





#37

Ethyl Acetate

Concen: 5.122 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

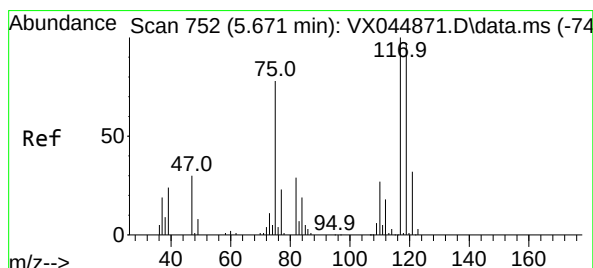
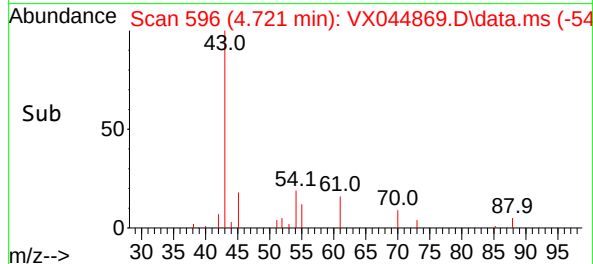
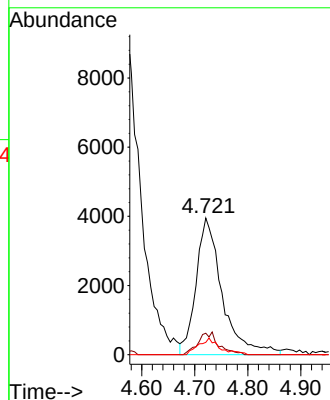
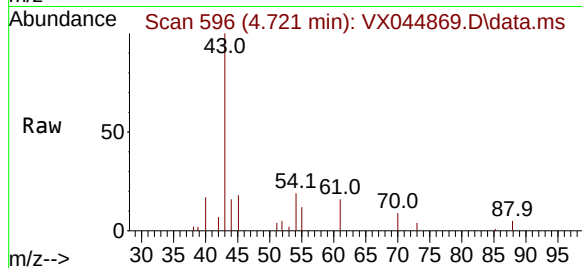
VSTDICC005

Tgt Ion:	43	Resp:	13530
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.8	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 5.066 ug/l

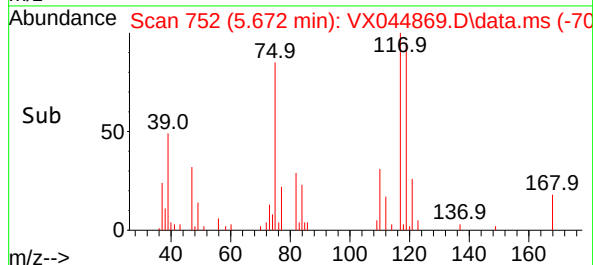
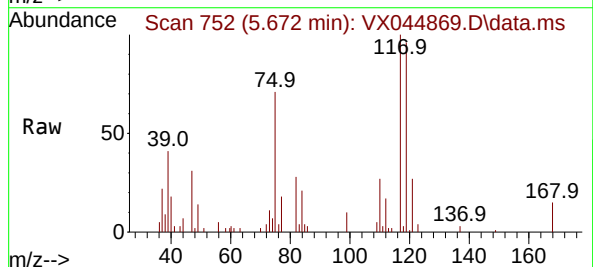
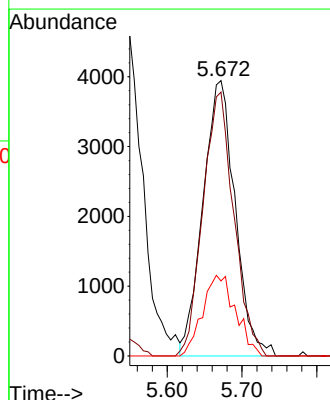
RT: 5.672 min Scan# 752

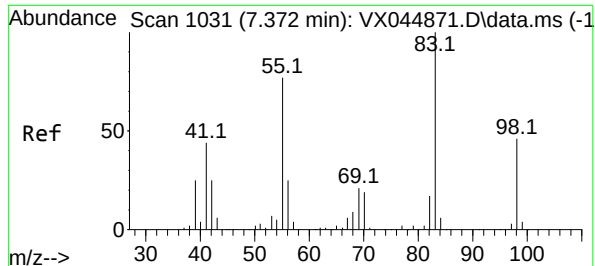
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	117	Resp:	11797
Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
121	27.2	25.6	38.4





#39

Methylcyclohexane

Concen: 4.711 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 1447

Ion Ratio Lower Upper

83 100

55 81.7 61.3 91.9

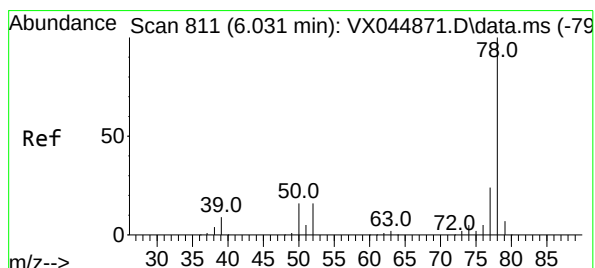
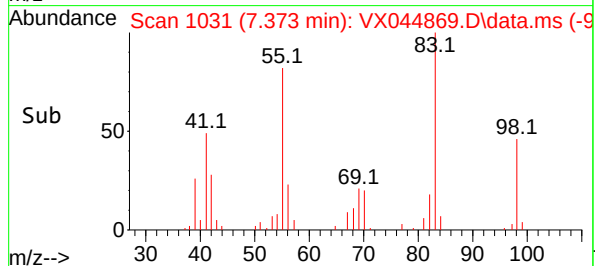
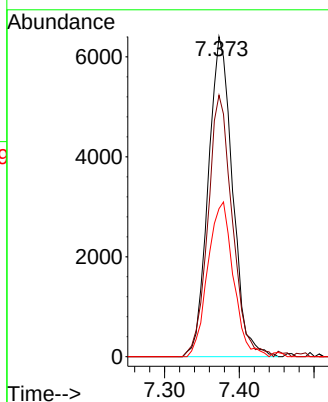
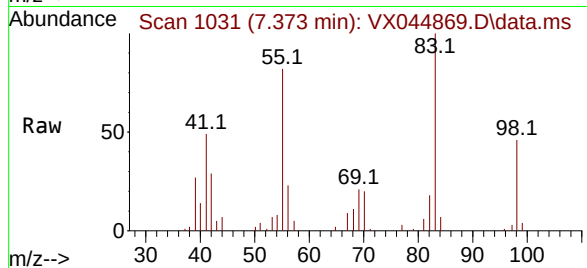
98 46.3 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 5.079 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX044869.D

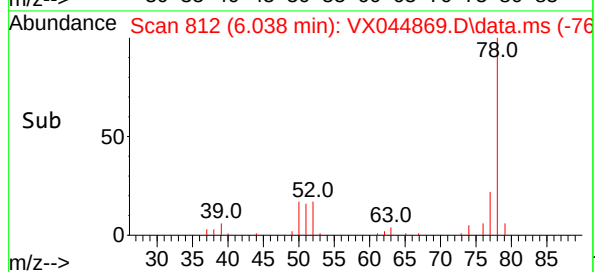
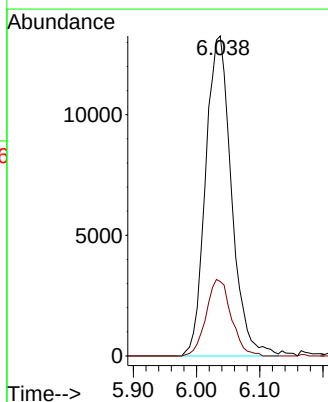
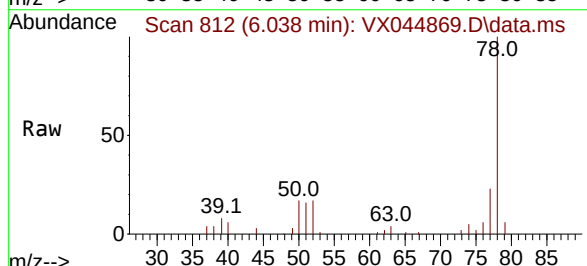
Acq: 10 Feb 2025 10:48

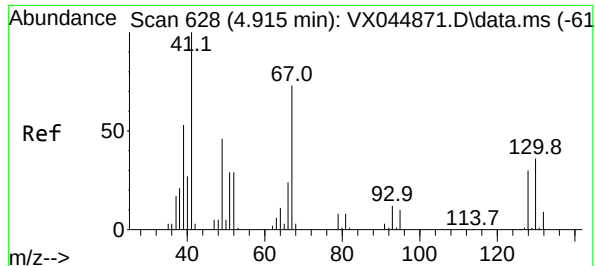
Tgt Ion: 78 Resp: 37687

Ion Ratio Lower Upper

78 100

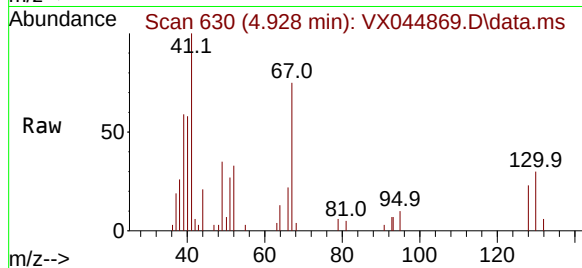
77 23.3 19.0 28.6





#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

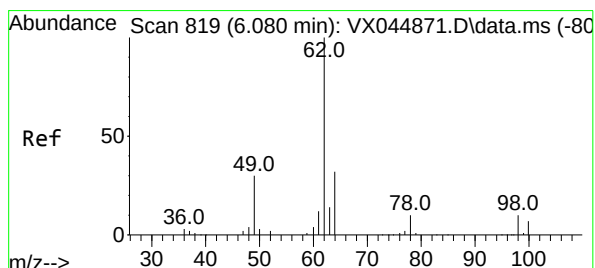
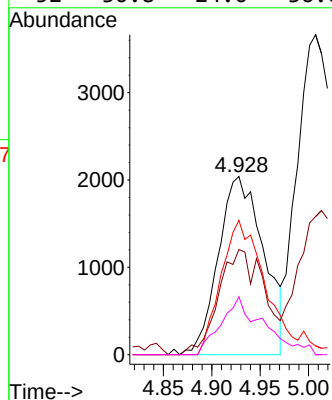
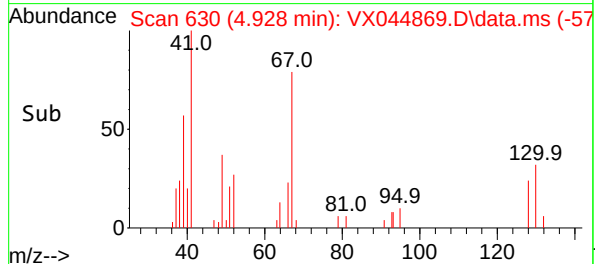
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 664
Ion Ratio Lower Upper
41 100
39 59.4 43.1 64.7
67 72.7 57.0 85.6
52 30.8 24.0 36.0

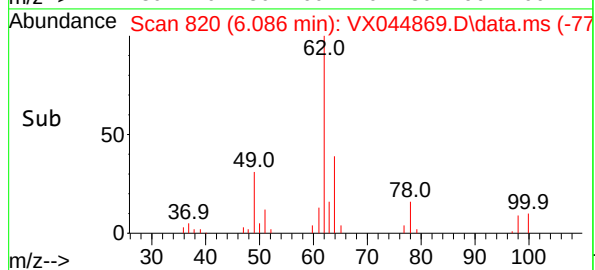
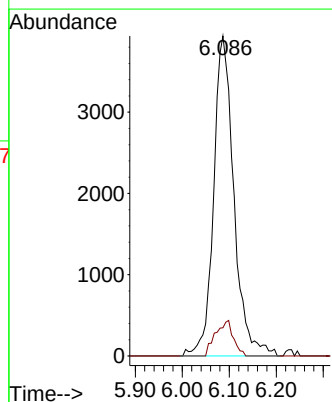
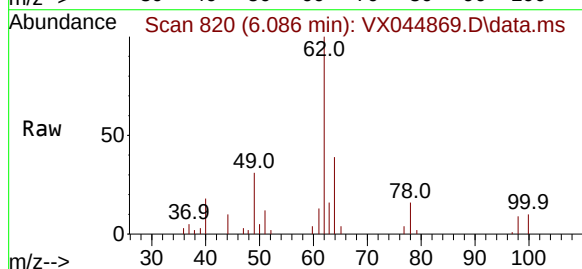
Manual Integrations
APPROVED

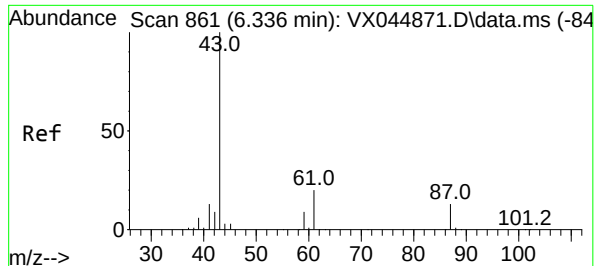
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11789
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 4.640 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

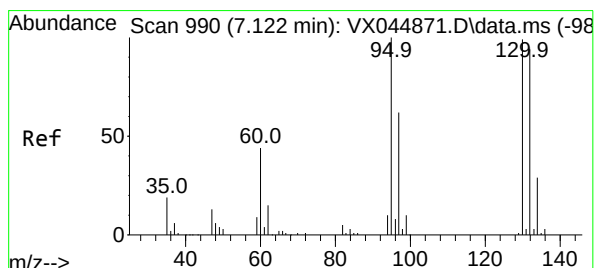
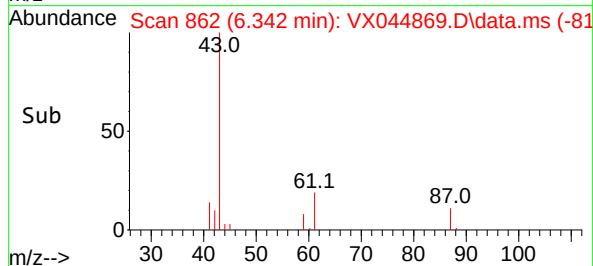
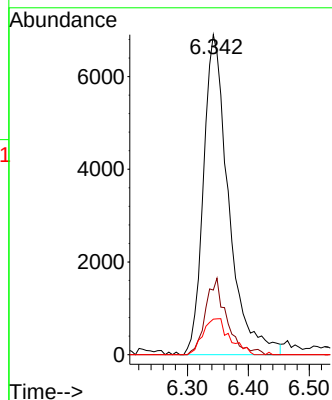
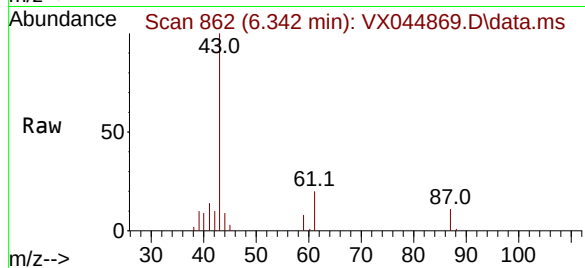
VSTDIC005

Tgt Ion:	43	Resp:	1980
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	11.9	10.0	15.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 5.079 ug/l

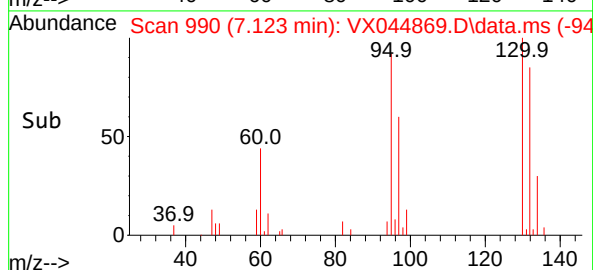
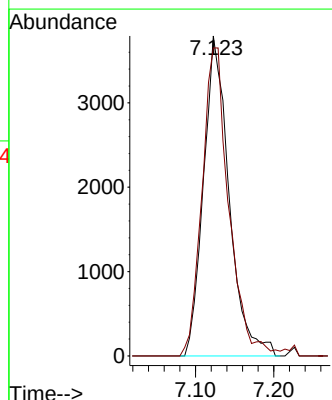
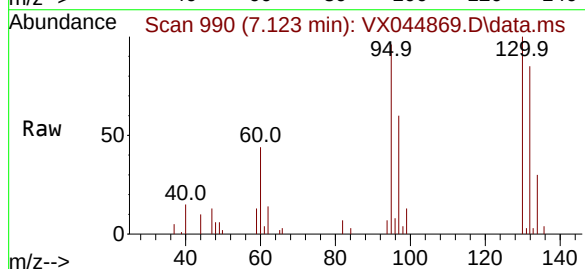
RT: 7.123 min Scan# 990

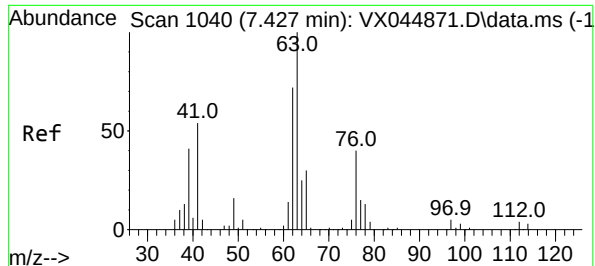
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	130	Resp:	8614
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4





#45

1,2-Dichloropropane

Concen: 4.863 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 8970

Ion Ratio Lower Upper

63 100

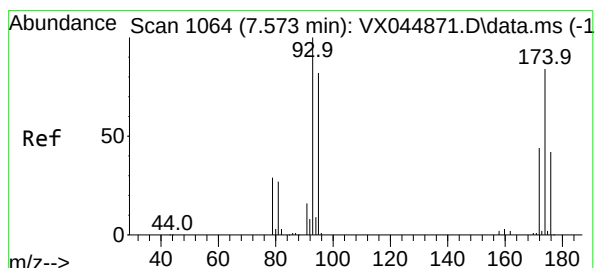
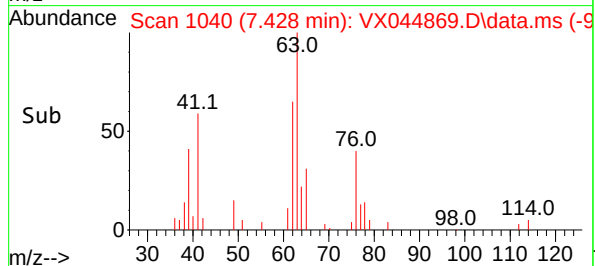
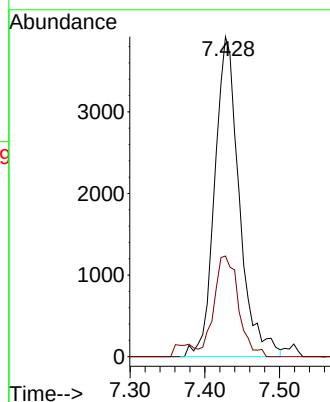
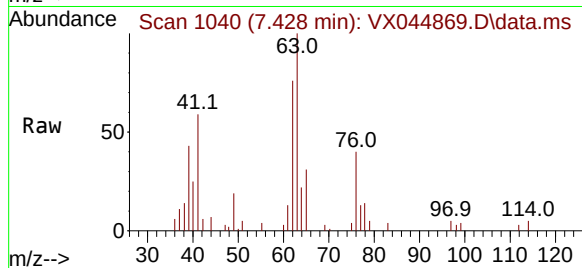
65 31.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 4.851 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

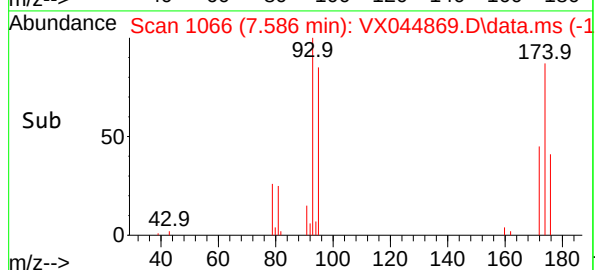
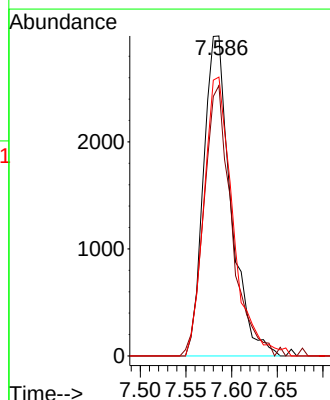
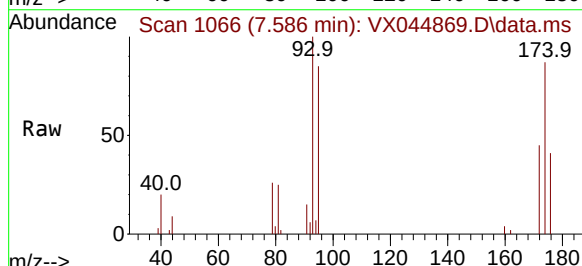
Tgt Ion: 93 Resp: 6210

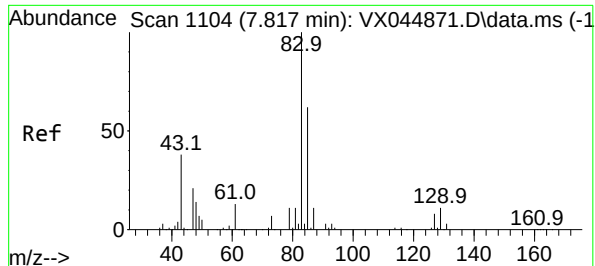
Ion Ratio Lower Upper

93 100

95 86.4 66.2 99.4

174 92.2 69.9 104.9





#47

Bromodichloromethane

Concen: 4.911 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

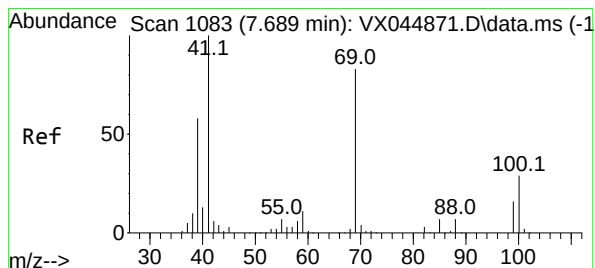
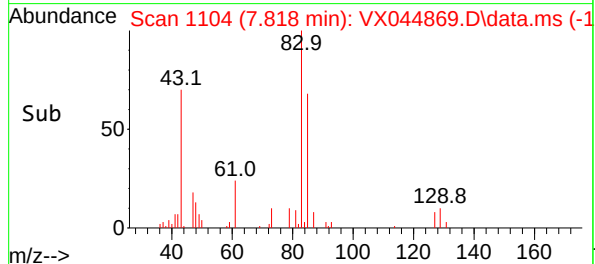
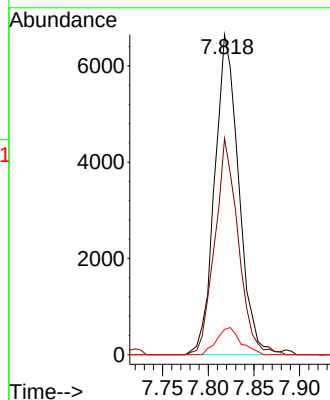
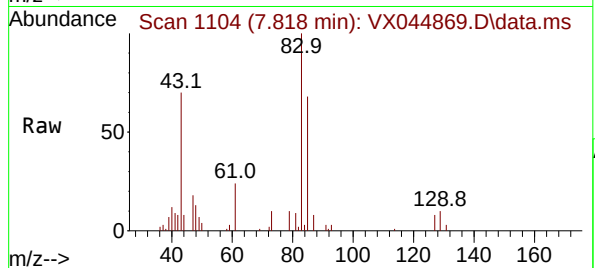
VSTDIC005

Tgt Ion:	83	Resp:	1217
Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.0	75.0
127	7.8	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 4.620 ug/l

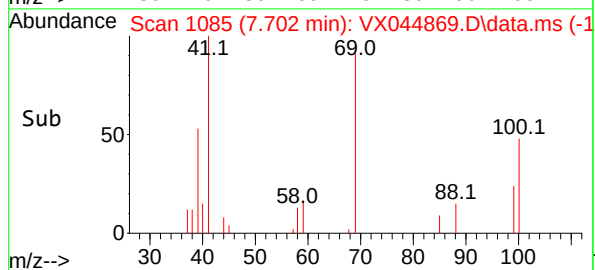
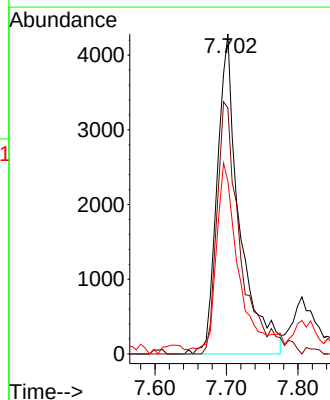
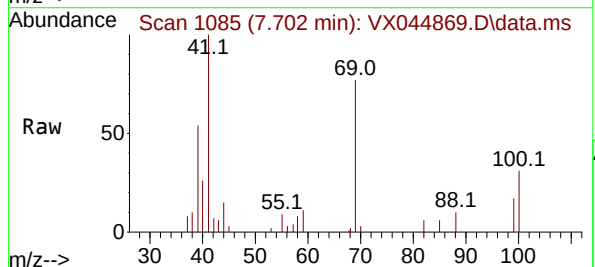
RT: 7.702 min Scan# 1085

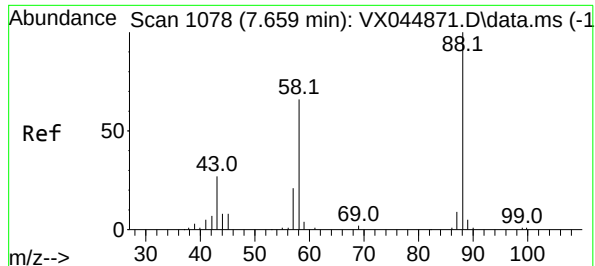
Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	41	Resp:	9298
Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.8	98.8
39	54.6	46.4	69.6





#49

1,4-Dioxane

Concen: 101.099 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.019 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

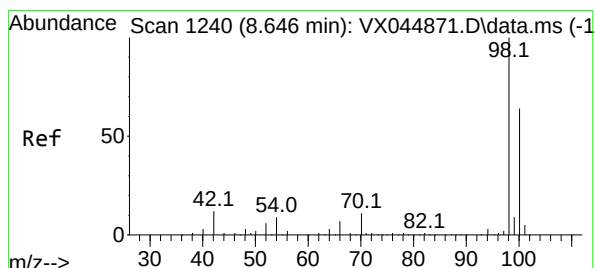
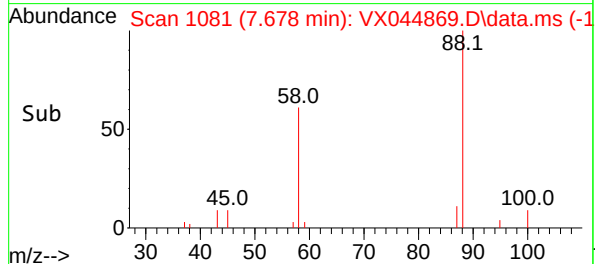
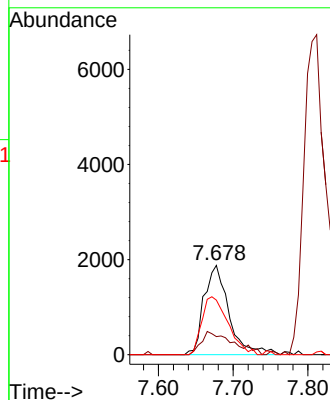
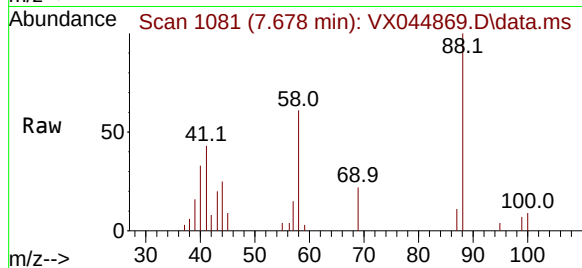
VSTDIC005

Tgt Ion:	88	Resp:	436
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	39.8
58	67.9	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 5.039 ug/l

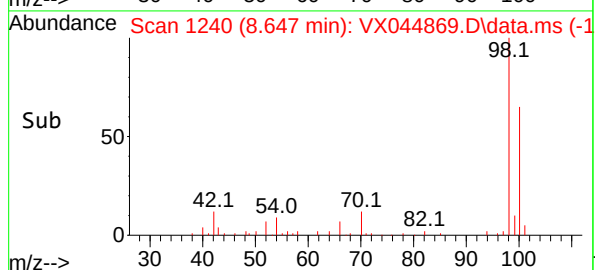
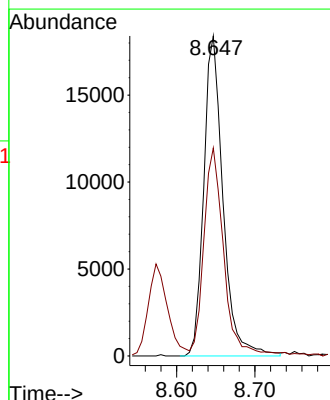
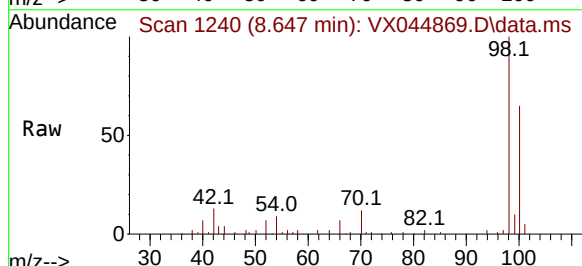
RT: 8.647 min Scan# 1240

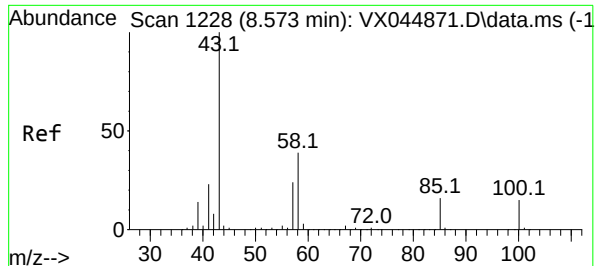
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	98	Resp:	31381
Ion	Ratio	Lower	Upper
98	100		
100	67.8	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 25.076 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 65064

Ion Ratio Lower Upper

43 100

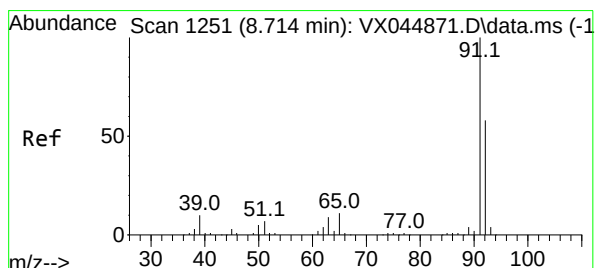
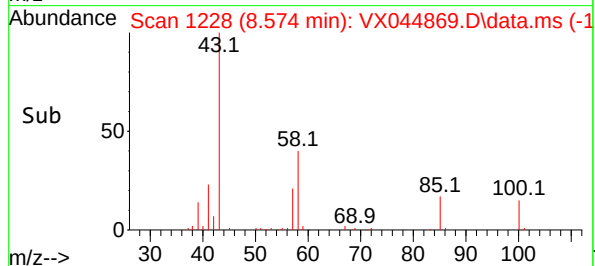
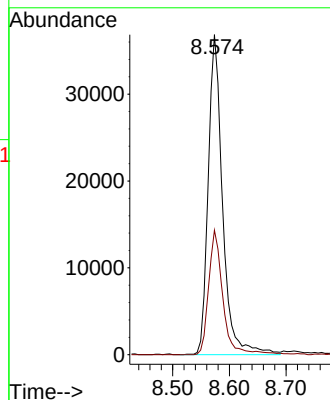
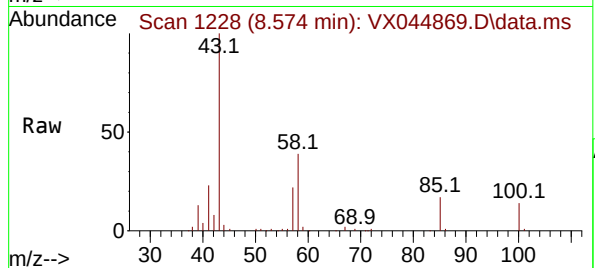
58 38.7 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 4.999 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX044869.D

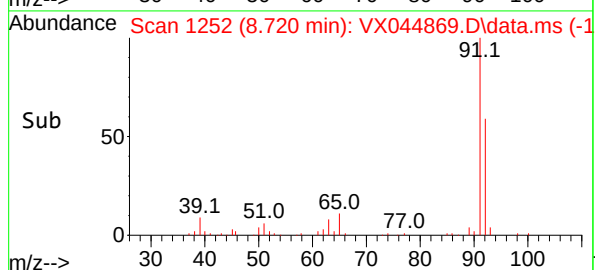
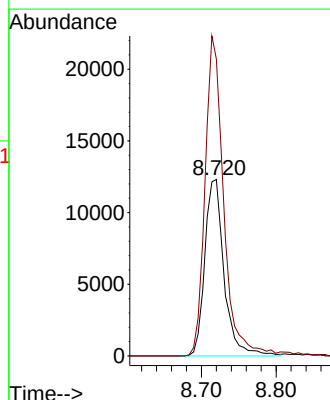
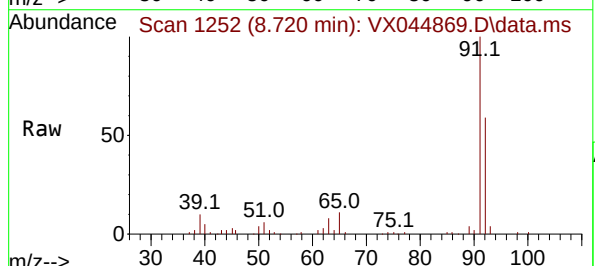
Acq: 10 Feb 2025 10:48

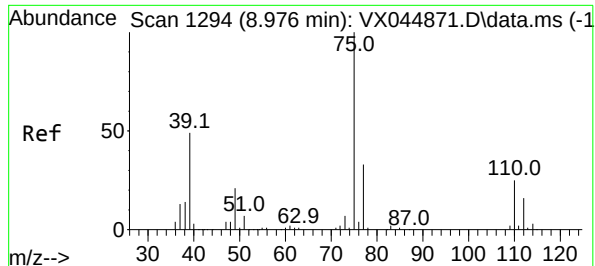
Tgt Ion: 92 Resp: 22090

Ion Ratio Lower Upper

92 100

91 177.1 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 4.550 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 75 Resp: 1141

Ion Ratio Lower Upper

75 100

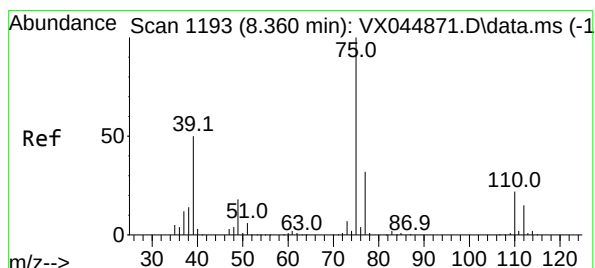
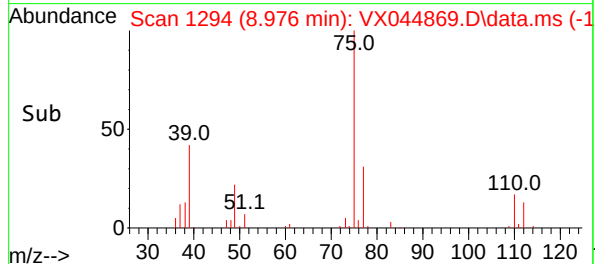
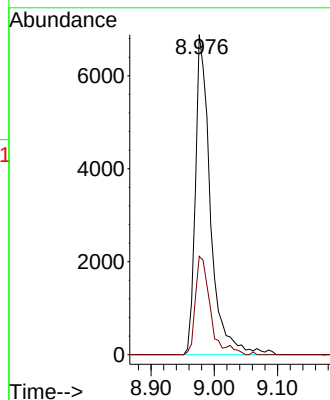
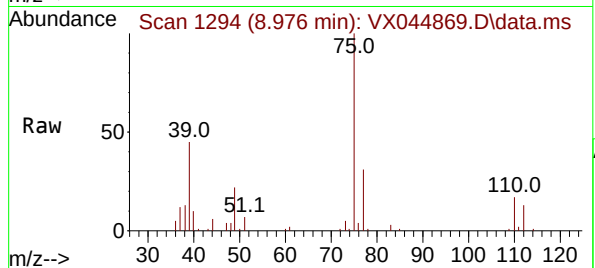
77 30.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 4.628 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

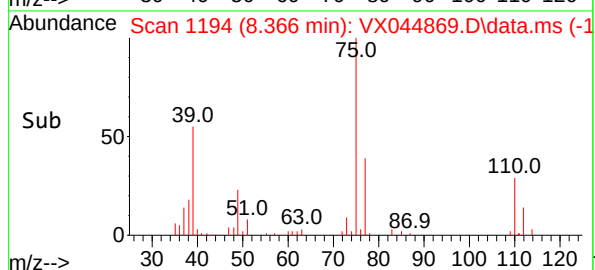
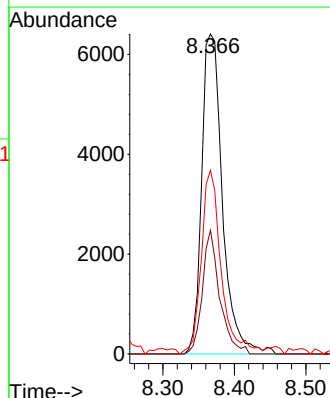
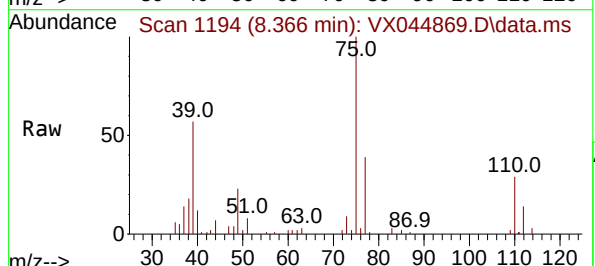
Tgt Ion: 75 Resp: 12943

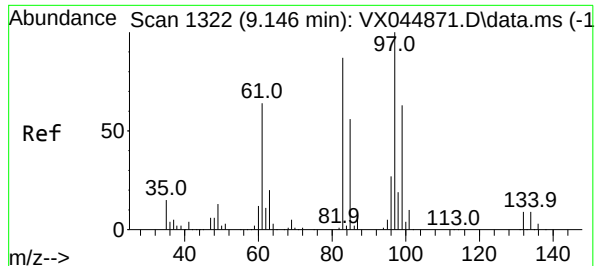
Ion Ratio Lower Upper

75 100

77 38.7 25.3 37.9#

39 57.4 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 5.099 ug/l

RT: 9.153 min Scan# 1322

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 866

Ion Ratio Lower Upper

97 100

83 86.1 69.8 104.6

85 58.3 44.8 67.2

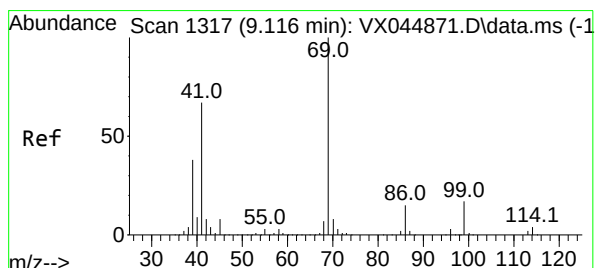
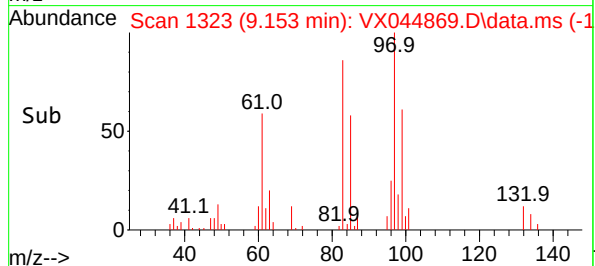
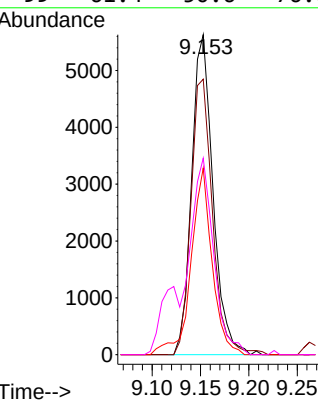
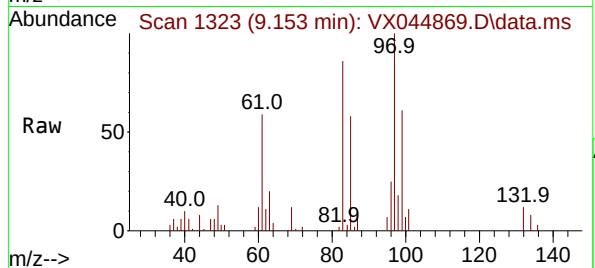
99 61.4 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 4.502 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

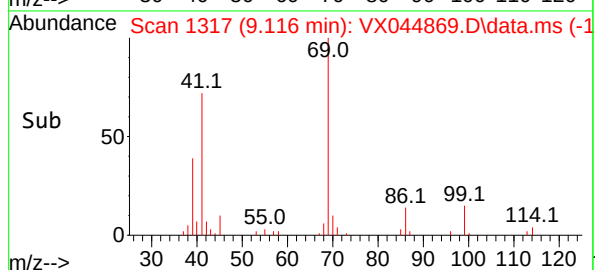
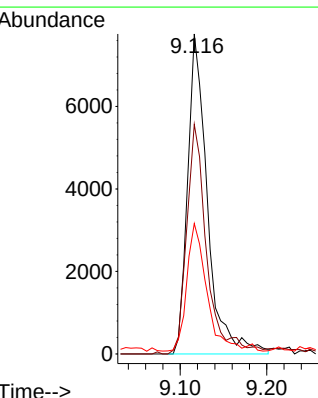
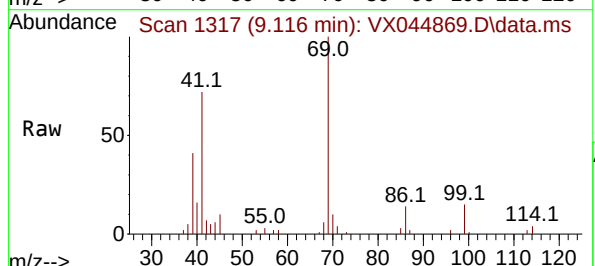
Tgt Ion: 69 Resp: 12351

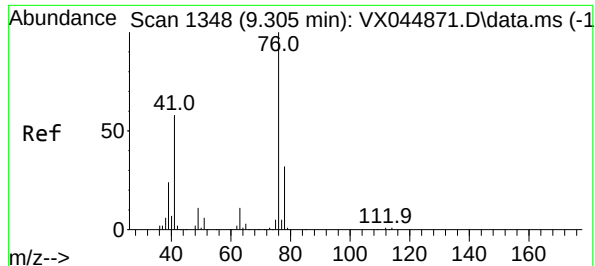
Ion Ratio Lower Upper

69 100

41 73.0 55.2 82.8

39 39.5 30.8 46.2





#57

1,3-Dichloropropane

Concen: 4.993 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 14839

Ion Ratio Lower Upper

76 100

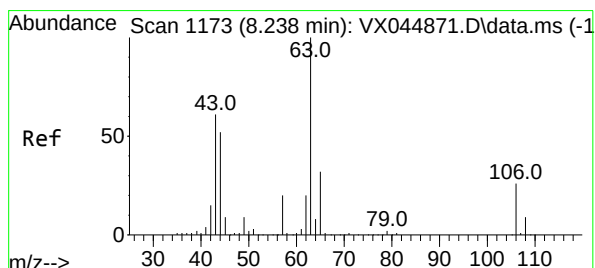
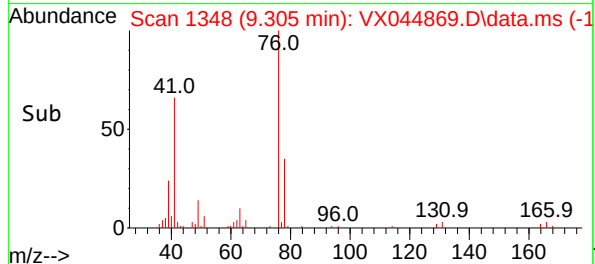
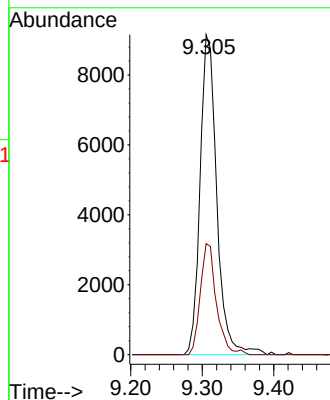
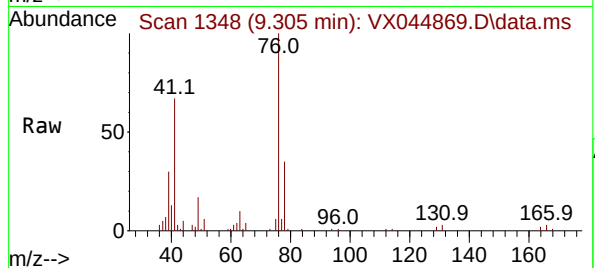
78 33.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 23.382 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044869.D

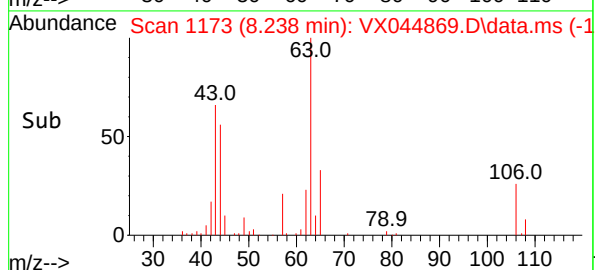
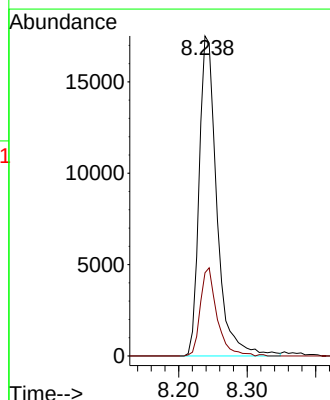
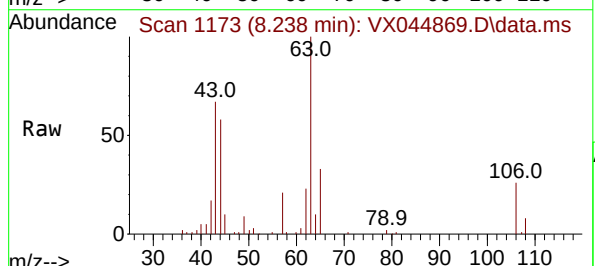
Acq: 10 Feb 2025 10:48

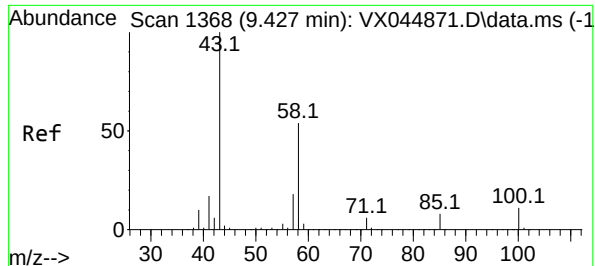
Tgt Ion: 63 Resp: 31498

Ion Ratio Lower Upper

63 100

106 25.8 21.3 31.9





#59

2-Hexanone

Concen: 24.359 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 45538

Ion Ratio Lower Upper

43 100

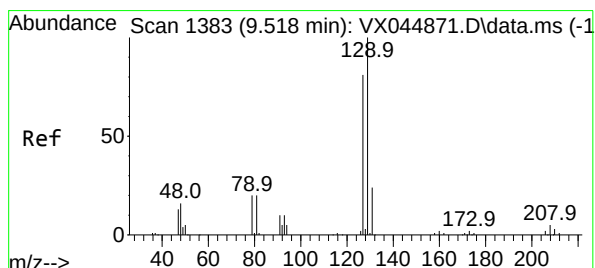
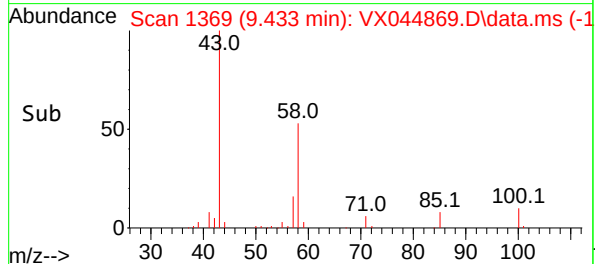
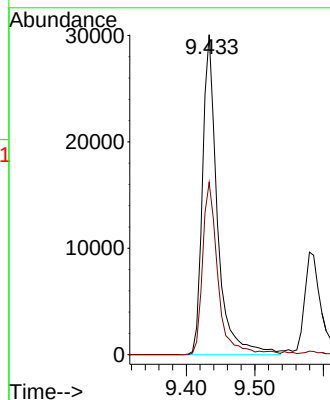
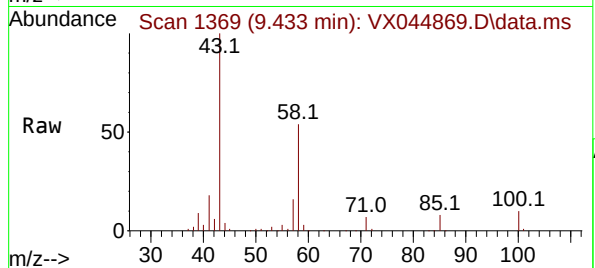
58 55.5 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 4.771 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044869.D

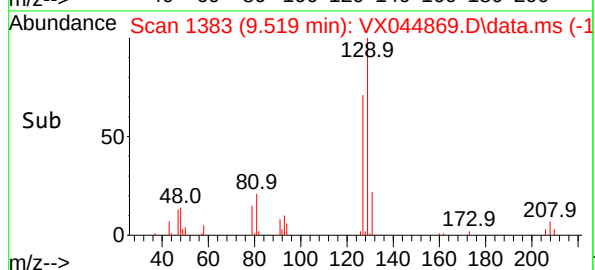
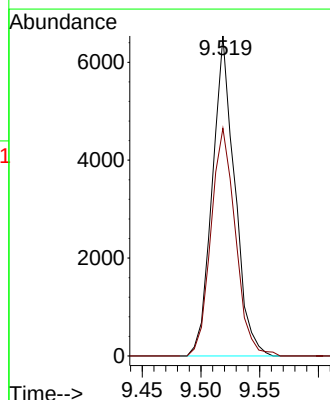
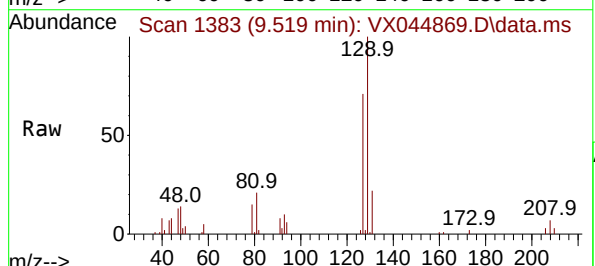
Acq: 10 Feb 2025 10:48

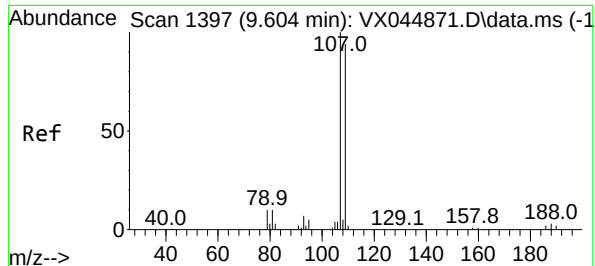
Tgt Ion:129 Resp: 8668

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3





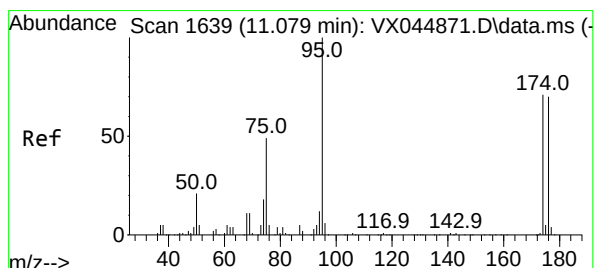
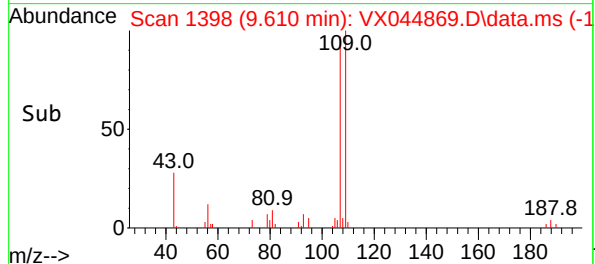
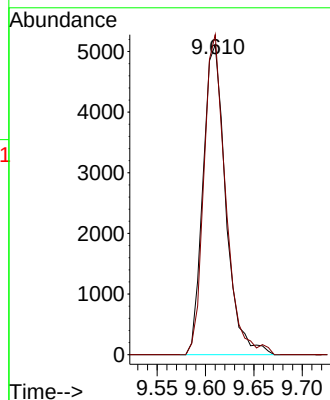
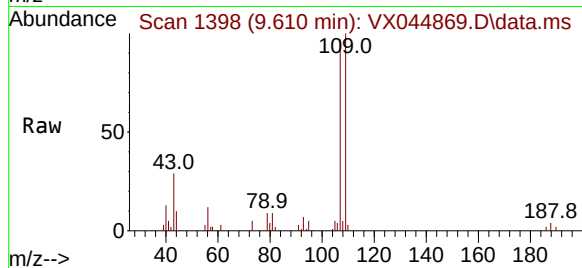
#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 835
Ion Ratio Lower Upper
107 100
109 98.8 75.9 113.9

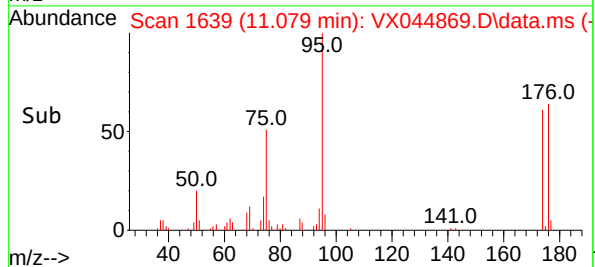
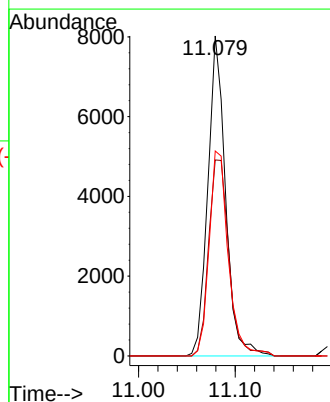
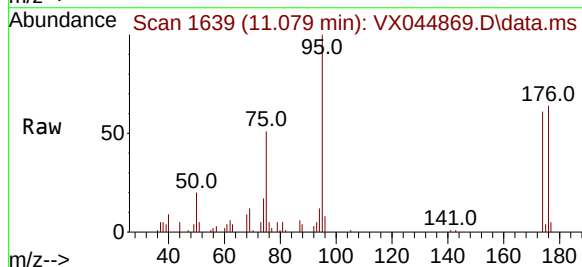
Manual Integrations
APPROVED

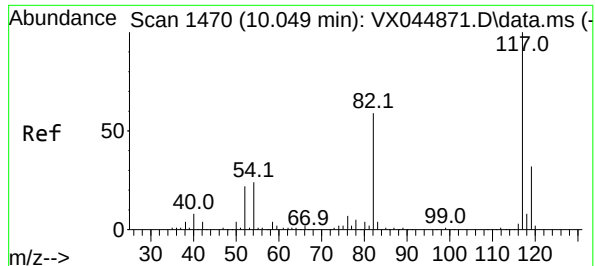
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 4.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229
Ion Ratio Lower Upper
95 100
174 70.3 0.0 142.6
176 69.3 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 21862

Ion Ratio Lower Upper

117 100

82 57.3 47.5 71.3

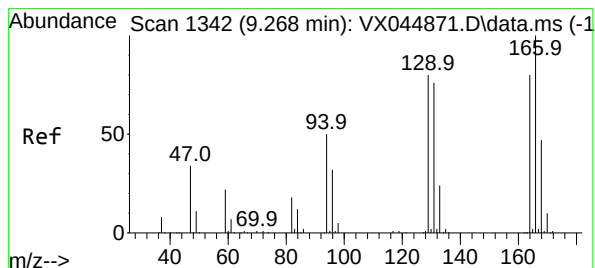
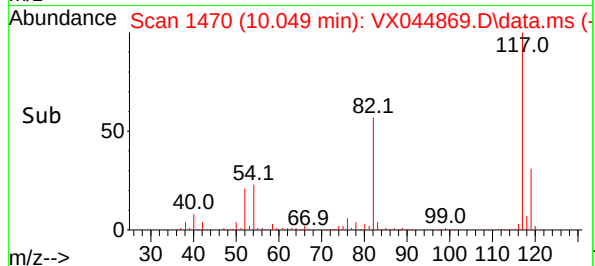
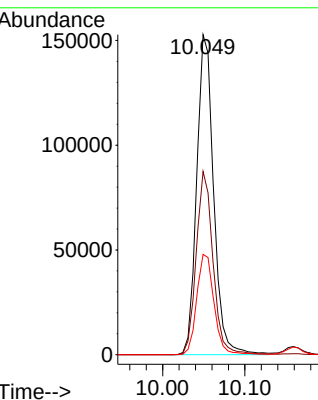
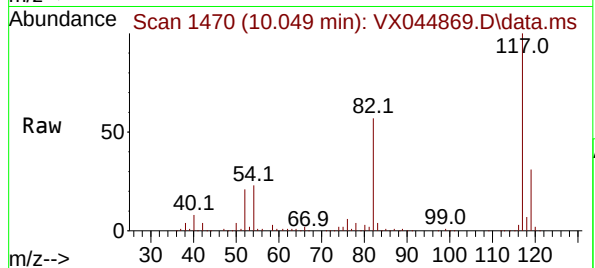
119 31.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 4.934 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:164 Resp: 6803

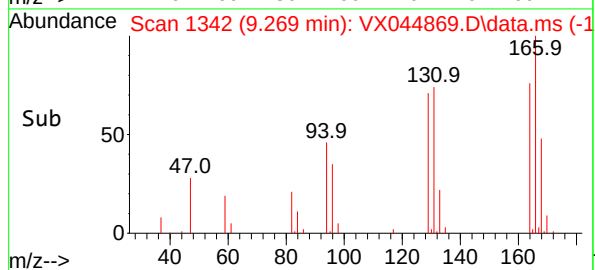
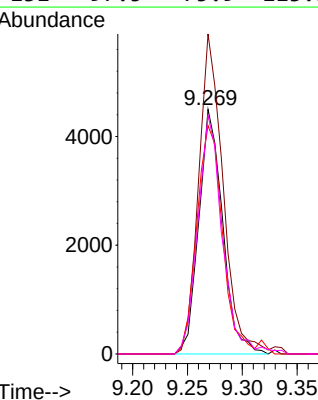
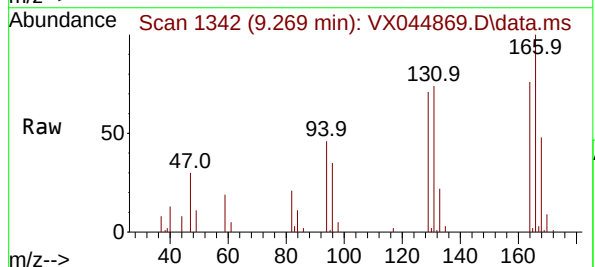
Ion Ratio Lower Upper

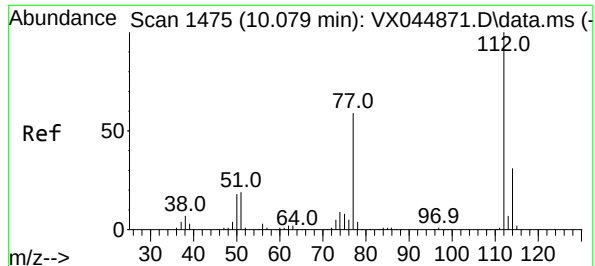
164 100

166 130.9 100.4 150.6

129 93.4 79.9 119.9

131 97.5 75.9 113.9





#65

Chlorobenzene

Concen: 5.090 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 2390

Ion Ratio Lower Upper

112 100

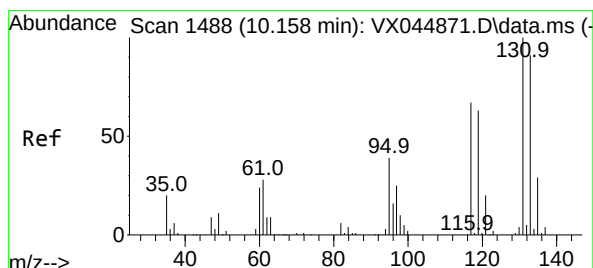
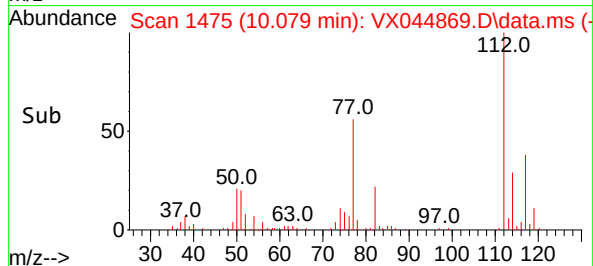
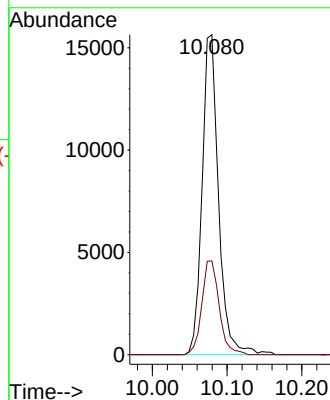
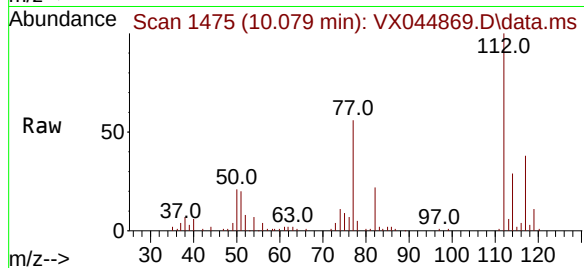
114 29.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 4.883 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

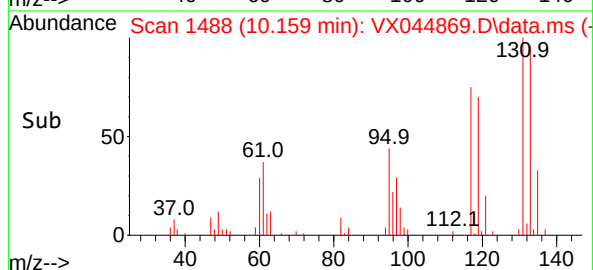
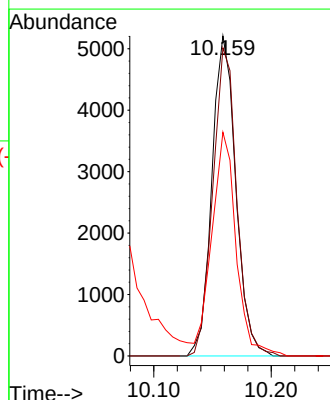
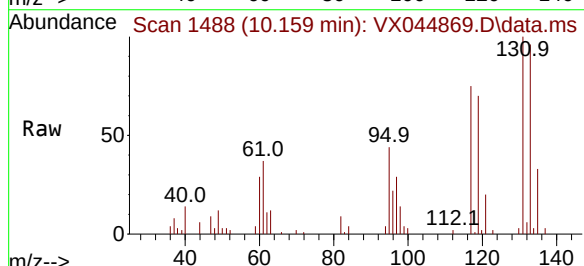
Tgt Ion:131 Resp: 7380

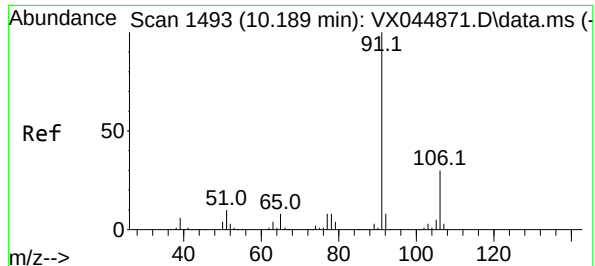
Ion Ratio Lower Upper

131 100

133 96.2 47.1 141.3

119 70.5 33.6 100.6





#67

Ethyl Benzene

Concen: 4.941 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 4094

Ion Ratio Lower Upper

91 100

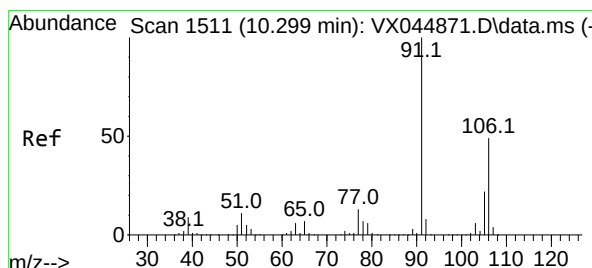
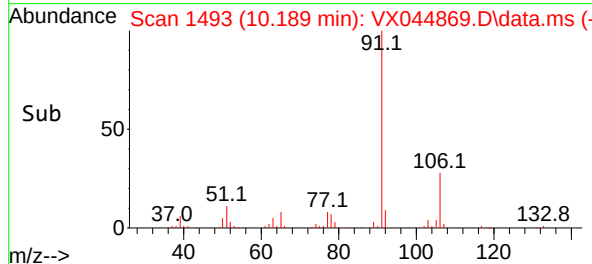
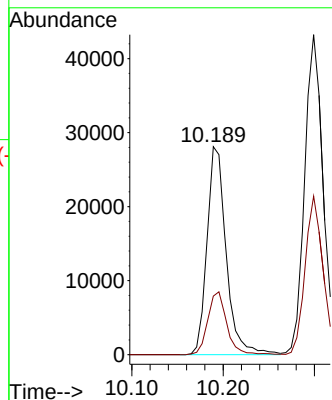
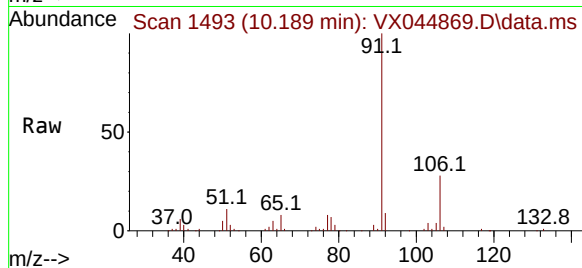
106 28.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 10.019 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044869.D

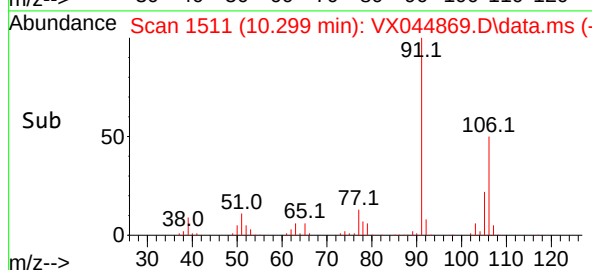
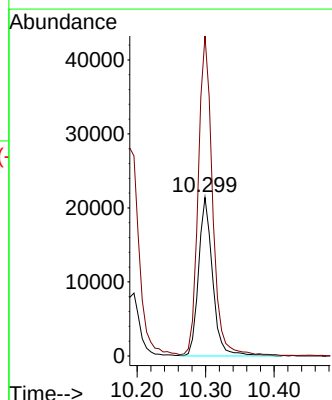
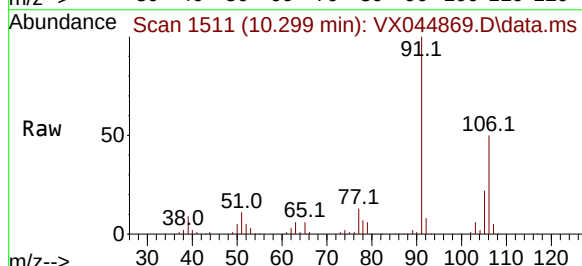
Acq: 10 Feb 2025 10:48

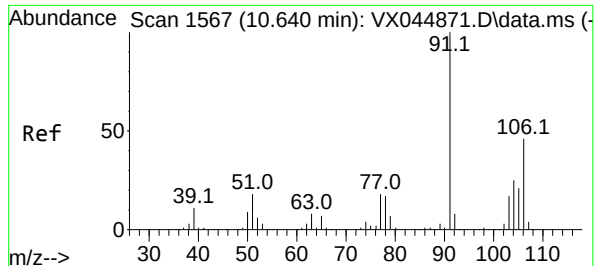
Tgt Ion:106 Resp: 30627

Ion Ratio Lower Upper

106 100

91 204.6 164.3 246.5





#69

o-Xylene

Concen: 5.139 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1576

Ion Ratio Lower Upper

106 100

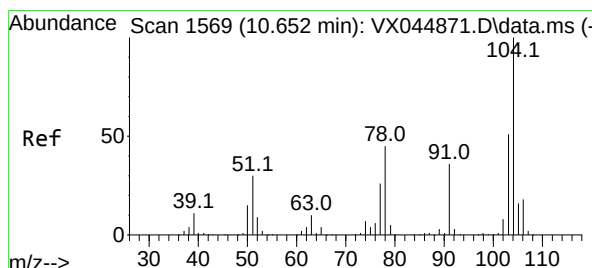
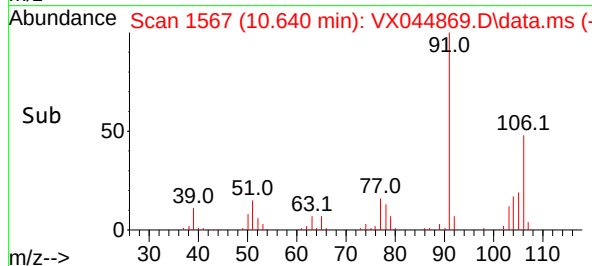
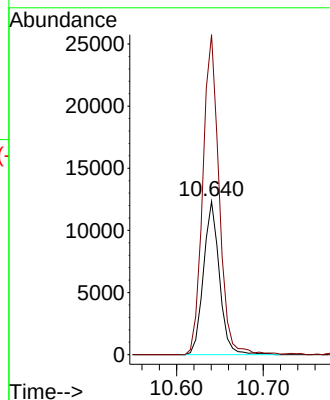
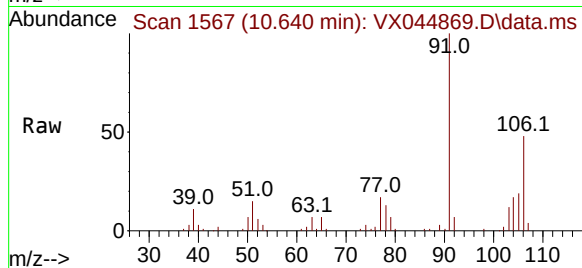
91 213.9 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 4.973 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

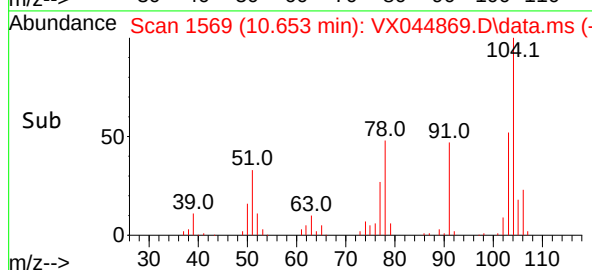
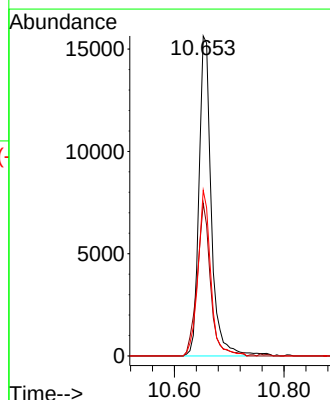
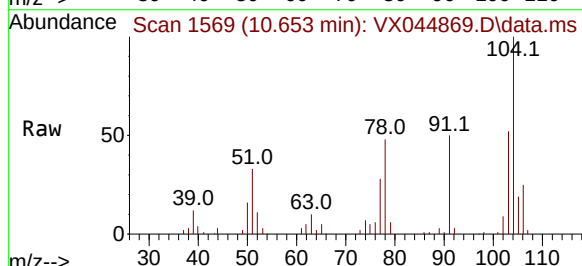
Tgt Ion:104 Resp: 24576

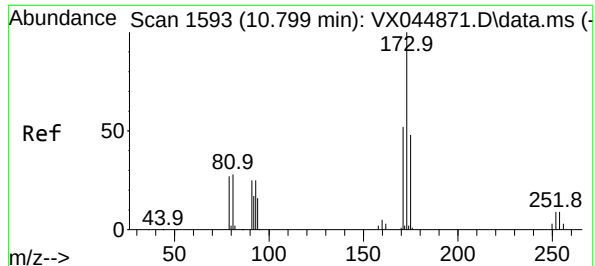
Ion Ratio Lower Upper

104 100

78 51.3 40.5 60.7

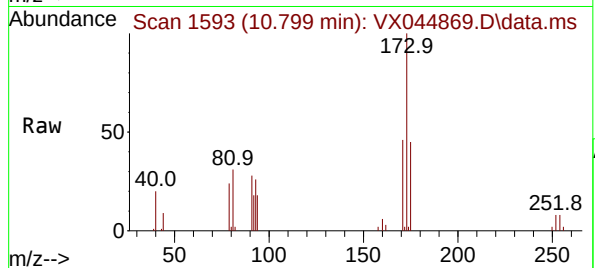
103 53.4 43.6 65.4





#71
Bromoform
Concen: 4.779 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

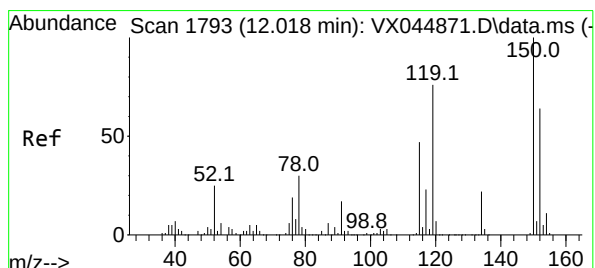
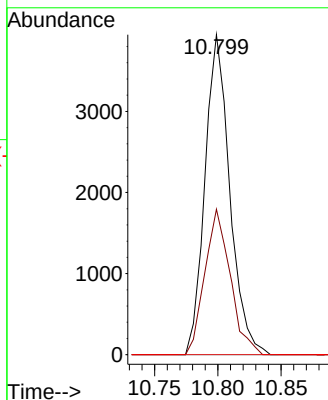
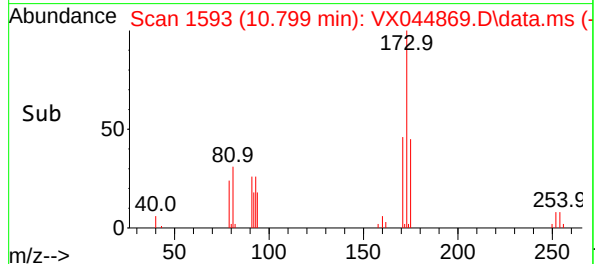
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



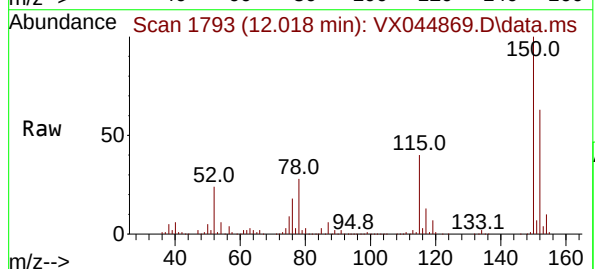
Tgt Ion:173 Resp: 539
Ion Ratio Lower Upper
173 100
175 46.6 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

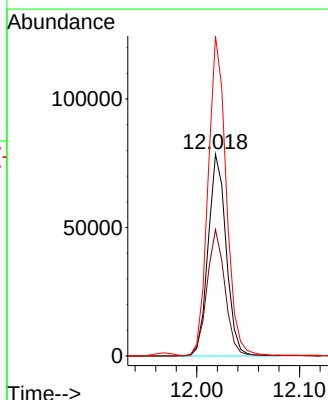
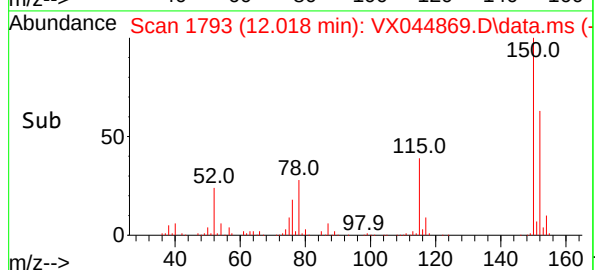
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

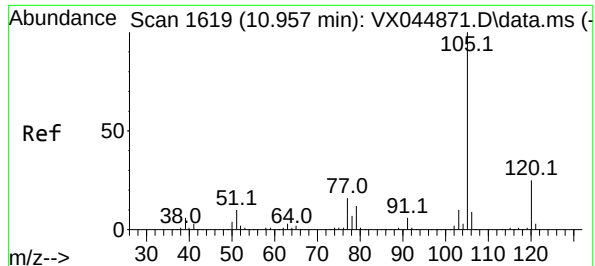


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48



Tgt Ion:152 Resp: 95494
Ion Ratio Lower Upper
152 100
115 63.3 43.4 130.1
150 159.0 0.0 350.4





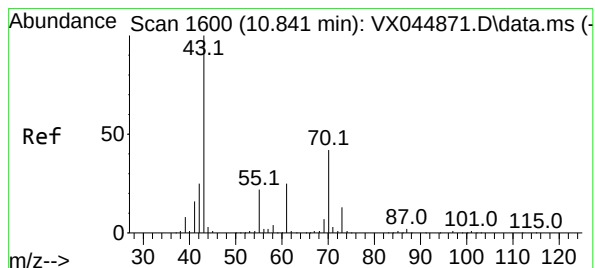
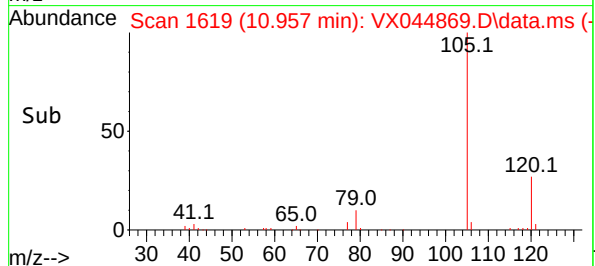
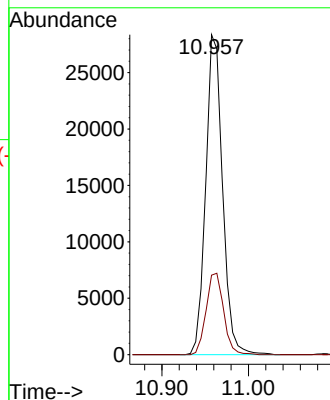
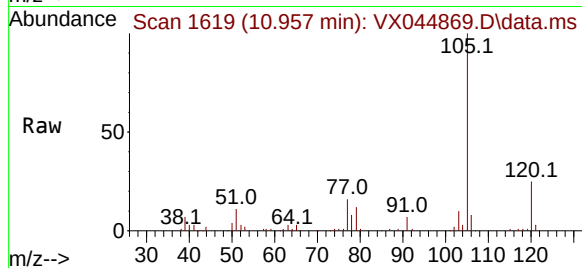
#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 3831
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5

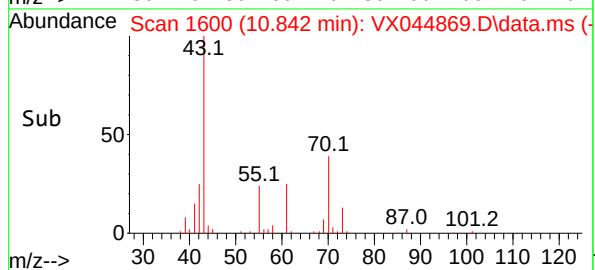
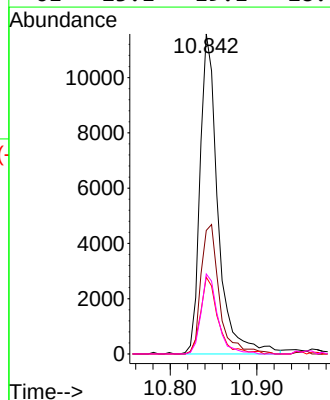
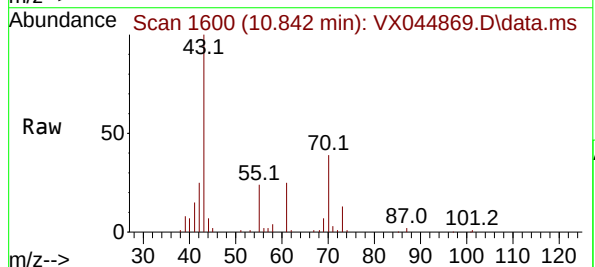
Manual Integrations
APPROVED

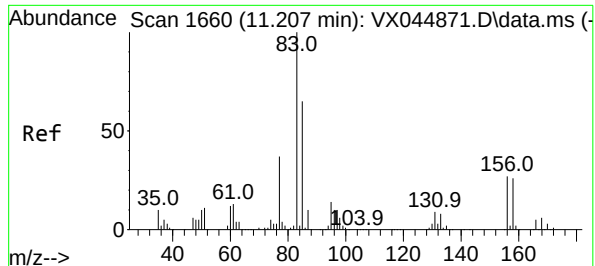
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 4.786 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 16653
Ion Ratio Lower Upper
43 100
70 41.5 33.7 50.5
55 23.5 18.6 27.8
61 23.1 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.069 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

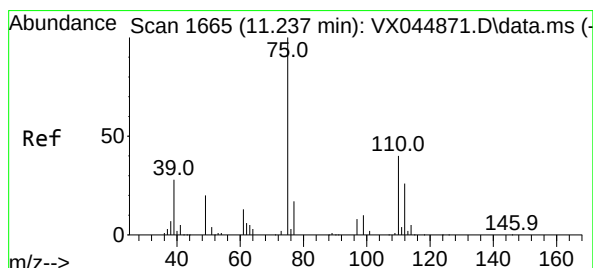
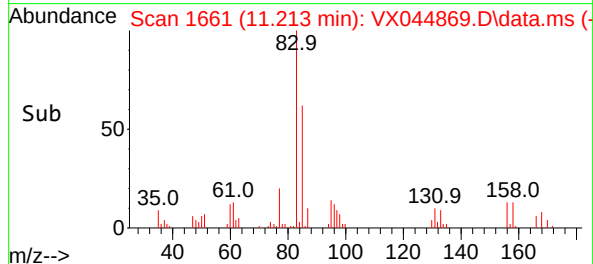
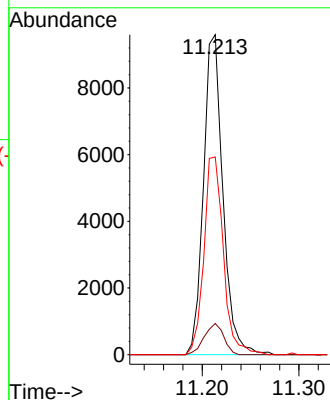
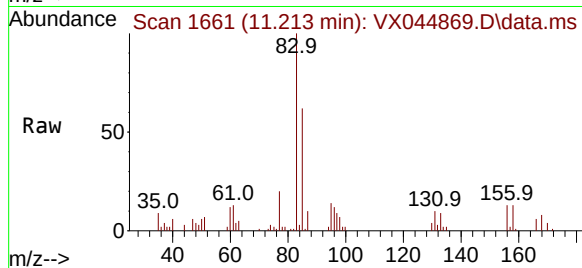
Tgt Ion:	83	Resp:	13394
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.5	13.5
85	62.1	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#76

1,2,3-Trichloropropane

Concen: 5.201 ug/l m

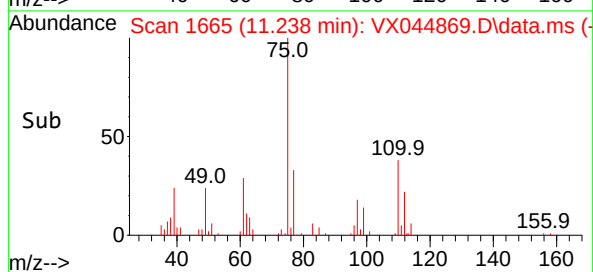
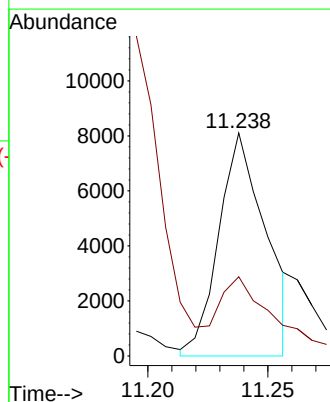
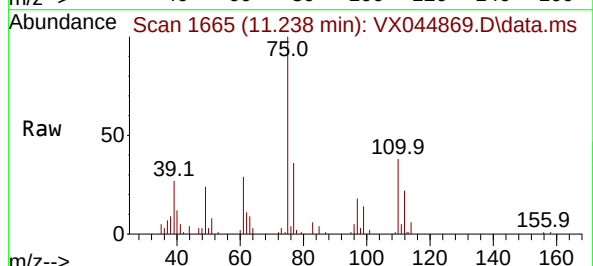
RT: 11.238 min Scan# 1665

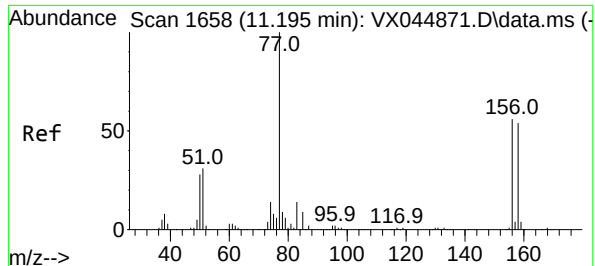
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	75	Resp:	11011
Ion Ratio	Lower	Upper	
75	100		
77	44.1	21.9	65.7





#77

Bromobenzene

Concen: 5.042 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

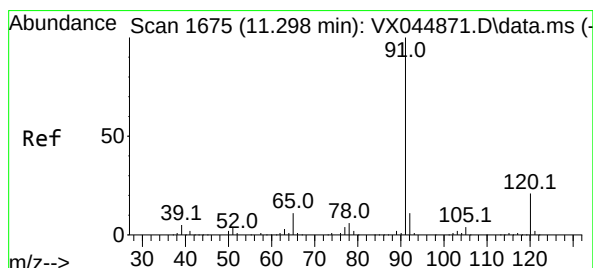
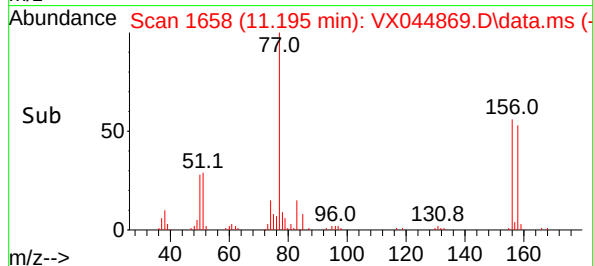
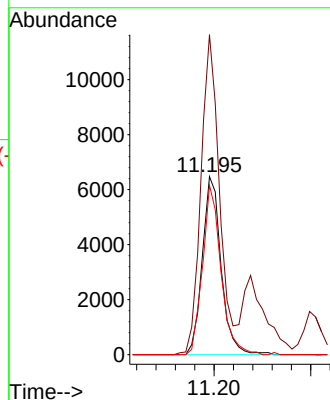
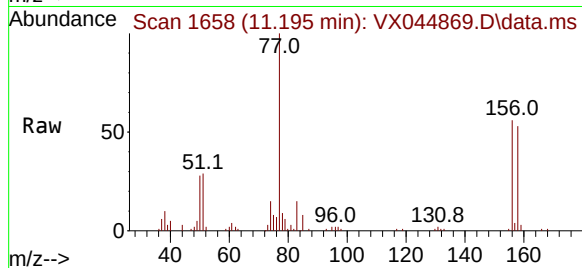
VSTDIC005

Tgt Ion:	156	Resp:	8789
Ion Ratio	Lower	Upper	
156	100		
77	174.1	88.4	265.3
158	92.9	48.4	145.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#78

n-propylbenzene

Concen: 4.949 ug/l

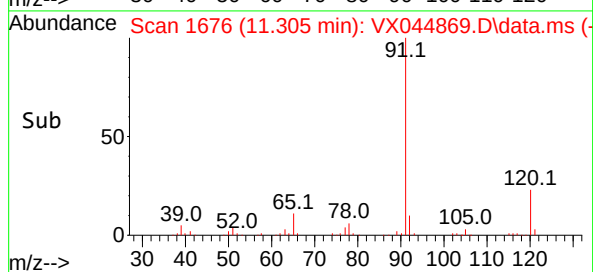
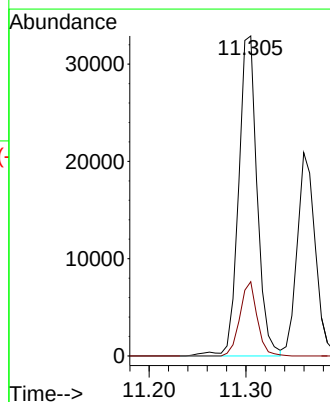
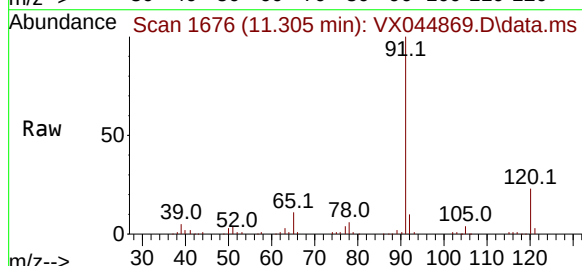
RT: 11.305 min Scan# 1676

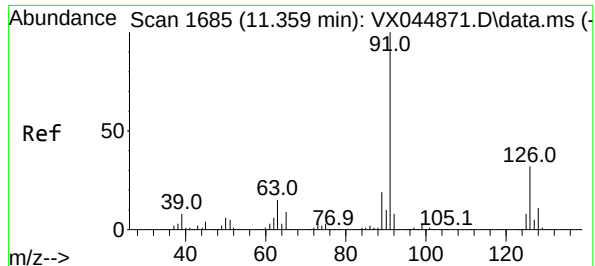
Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	91	Resp:	43923
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 5.007 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 2731

Ion Ratio Lower Upper

91 100

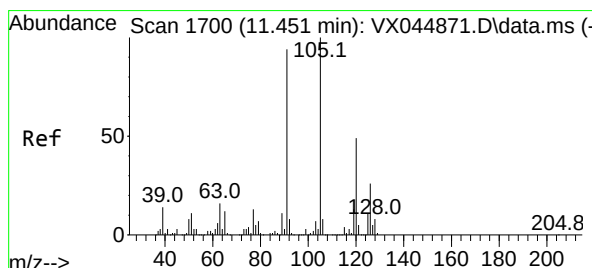
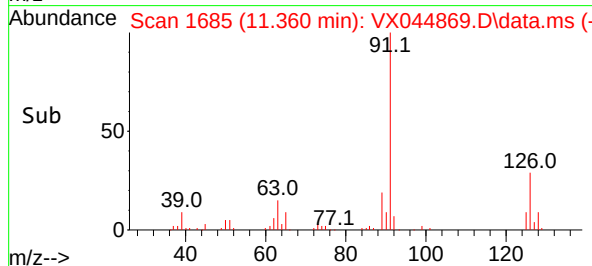
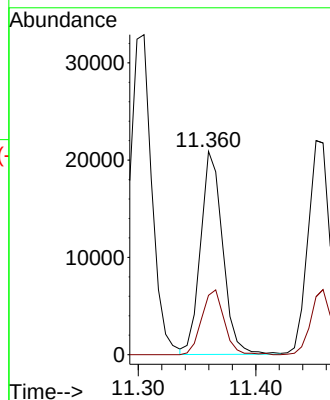
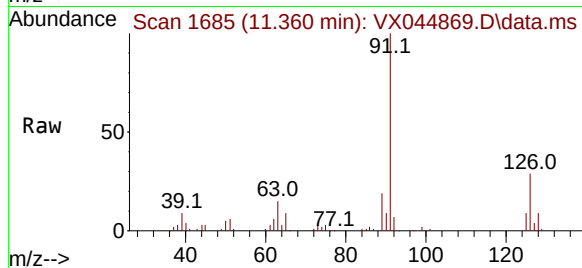
126 32.4 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 5.090 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044869.D

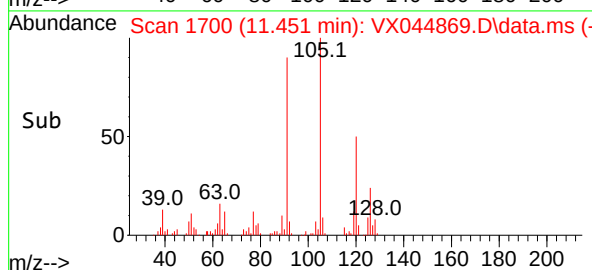
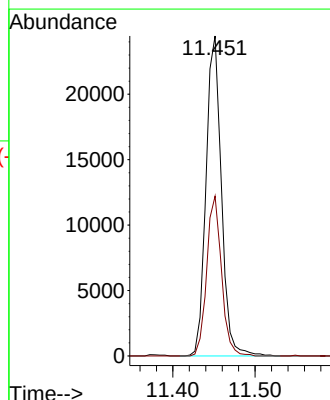
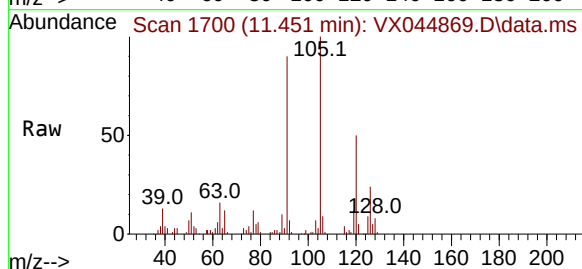
Acq: 10 Feb 2025 10:48

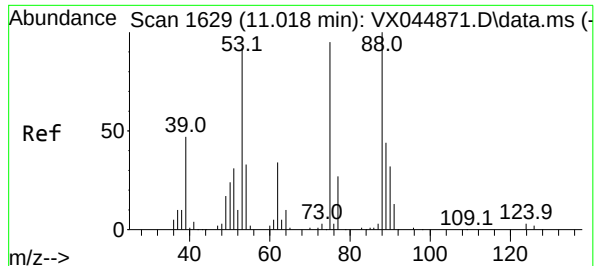
Tgt Ion:105 Resp: 31761

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





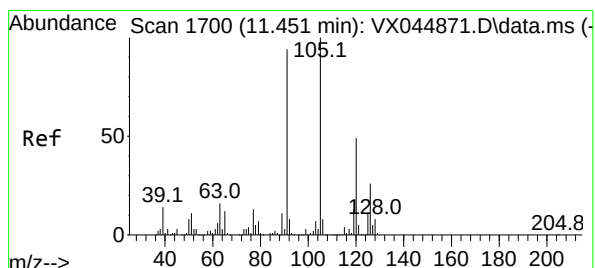
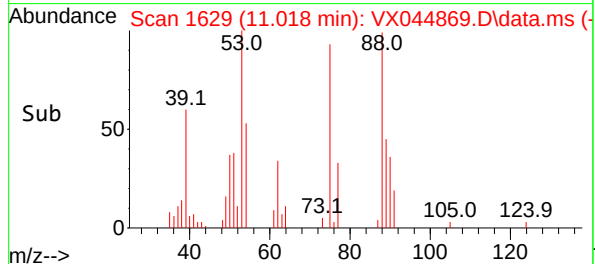
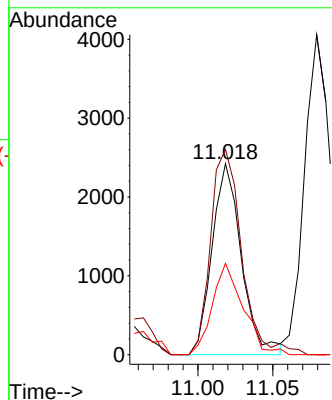
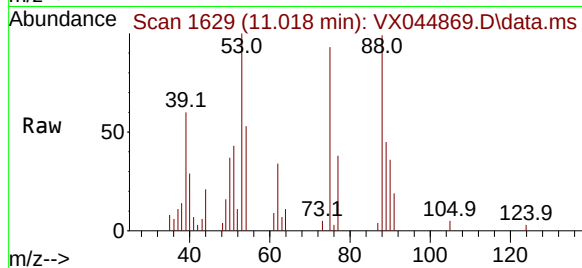
#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3300
Ion Ratio Lower Upper
75 100
53 113.7 78.0 117.0
89 50.2 36.6 54.8

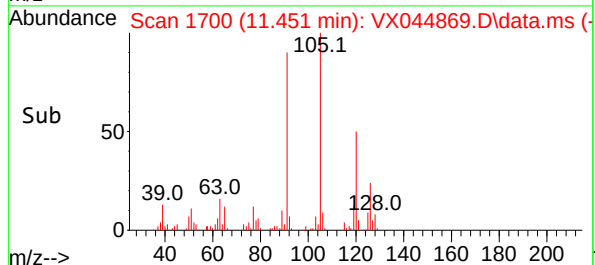
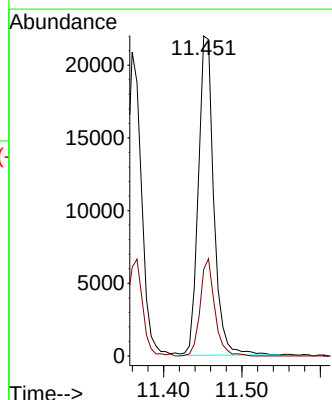
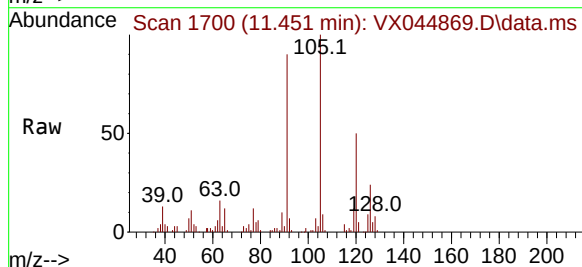
Manual Integrations
APPROVED

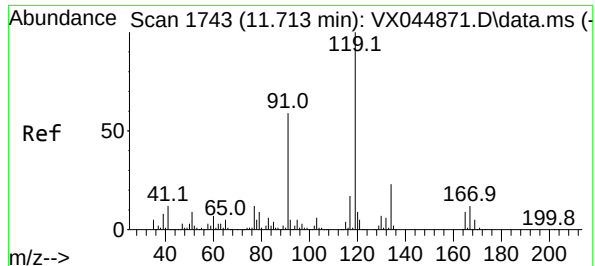
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 5.068 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

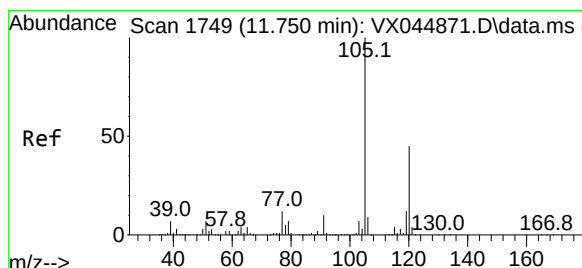
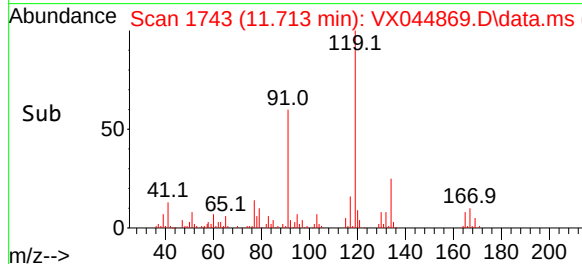
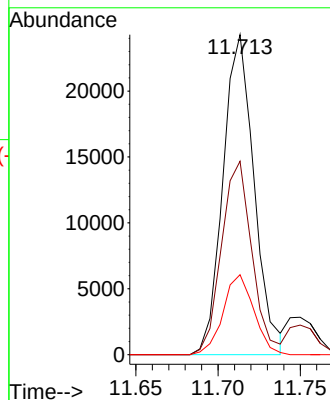
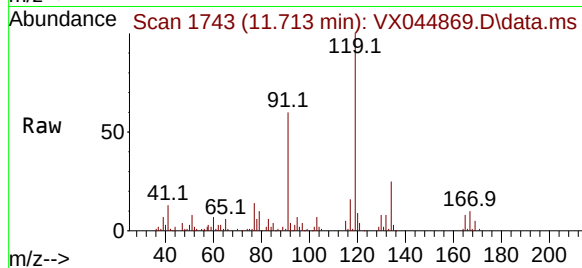
VSTDIC005

Tgt Ion:	119	Resp:	3199
Ion Ratio	Lower	Upper	
119	100		
91	59.3	29.1	87.4
134	24.7	11.5	34.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 5.042 ug/l

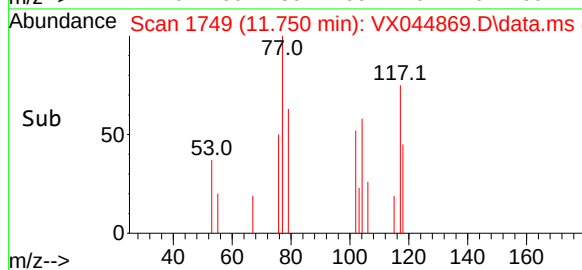
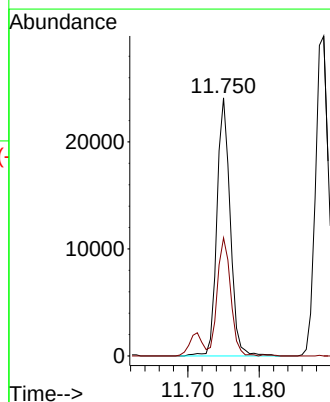
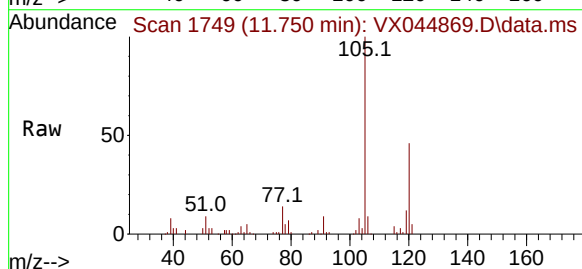
RT: 11.750 min Scan# 1749

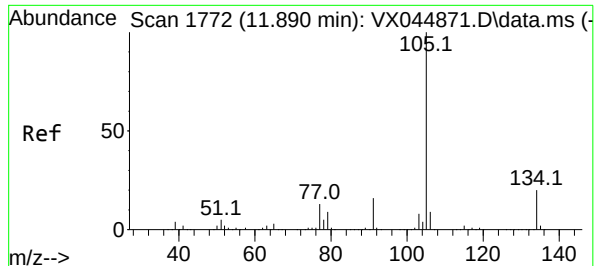
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	105	Resp:	31053
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.4	67.0





#85

sec-Butylbenzene

Concen: 4.917 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 3843

Ion Ratio Lower Upper

105 100

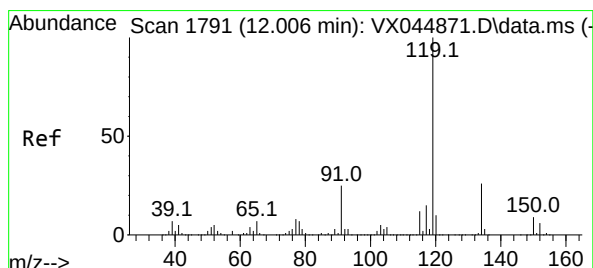
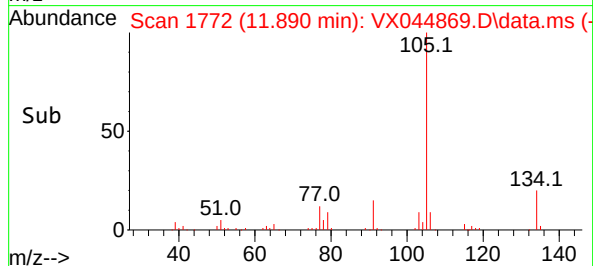
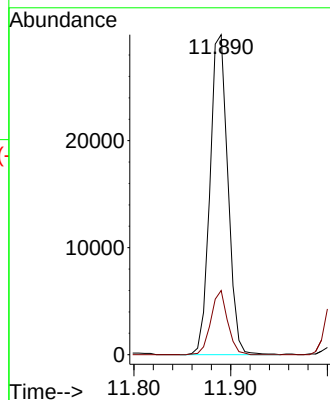
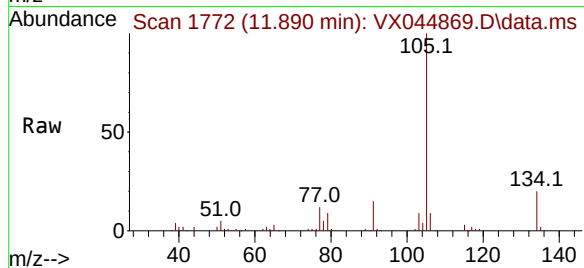
134 18.7 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 4.905 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

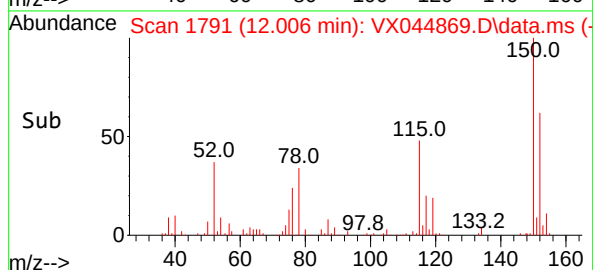
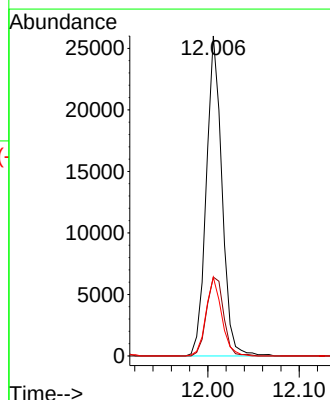
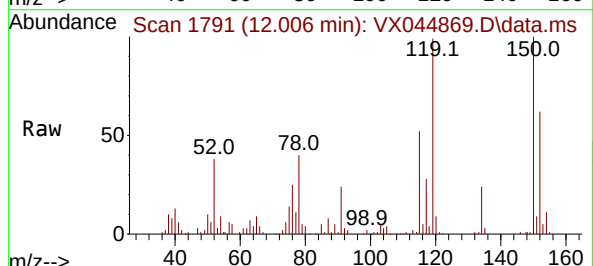
Tgt Ion:119 Resp: 30835

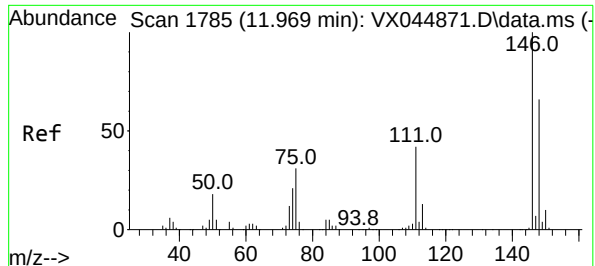
Ion Ratio Lower Upper

119 100

134 26.8 13.0 38.9

91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.971 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

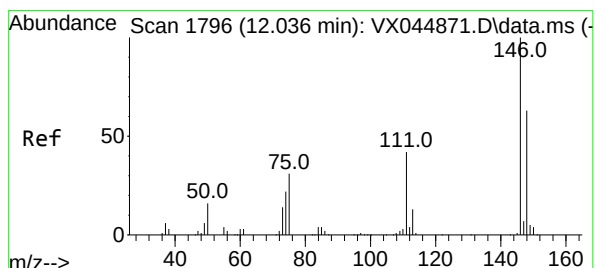
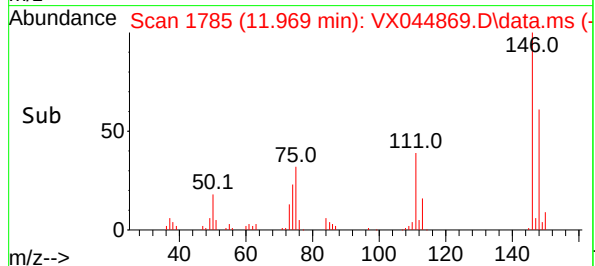
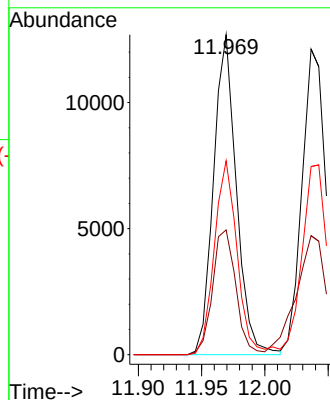
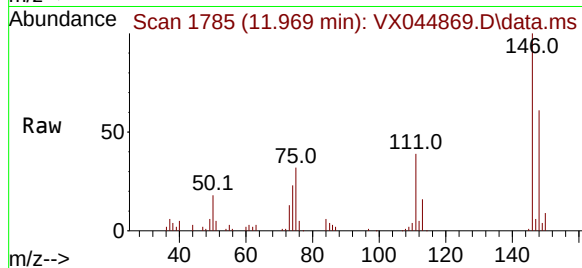
VSTDIC005

Tgt Ion:	146	Resp:	1593
Ion Ratio	Lower	Upper	
146	100		
111	39.8	21.2	63.6
148	60.0	32.5	97.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 5.043 ug/l

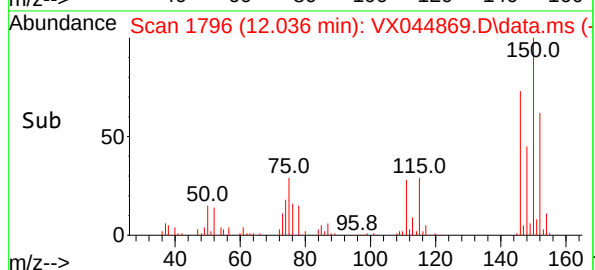
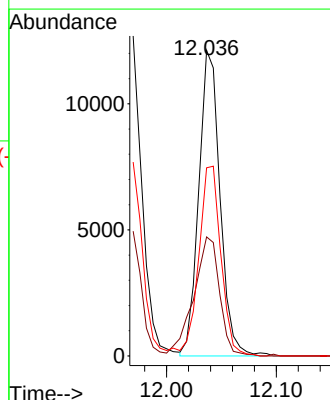
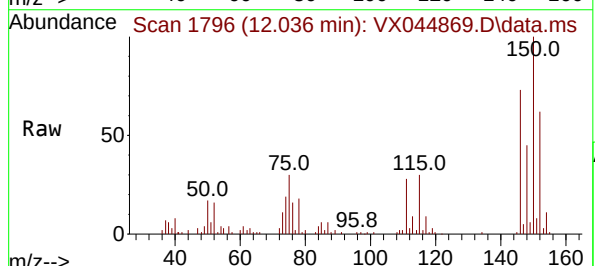
RT: 12.036 min Scan# 1796

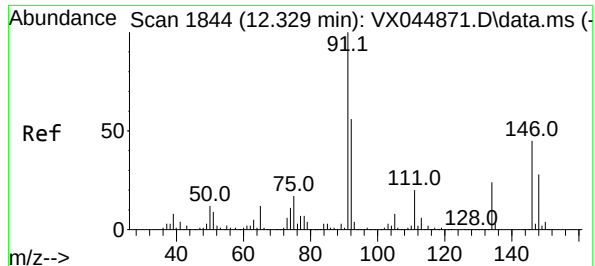
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	146	Resp:	16347
Ion Ratio	Lower	Upper	
146	100		
111	47.4	20.4	61.3
148	65.3	32.0	96.0





#89

n-Butylbenzene

Concen: 4.630 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

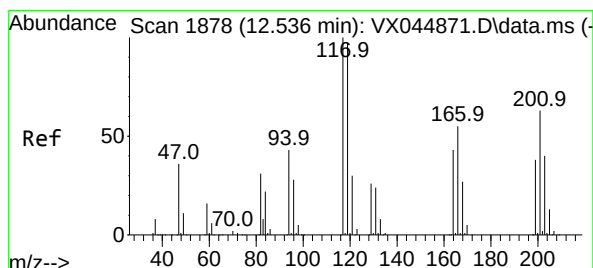
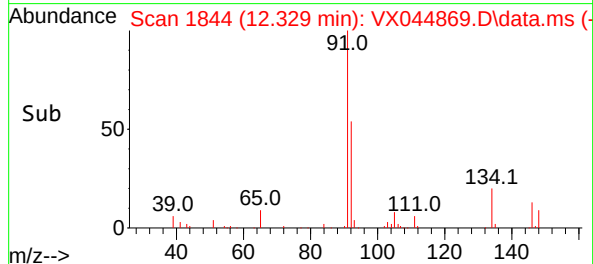
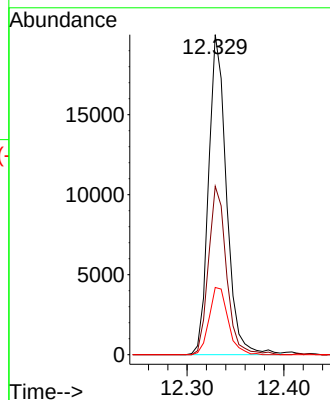
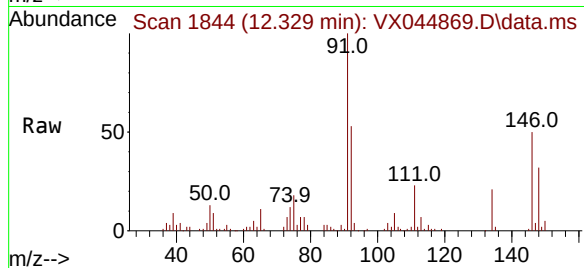
ClientSampleId :

VSTDIC005

Tgt Ion: 91	Resp: 2574
Ion Ratio	Lower Upper
91	100
92	52.8 27.2 81.6
134	22.3 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 4.775 ug/l

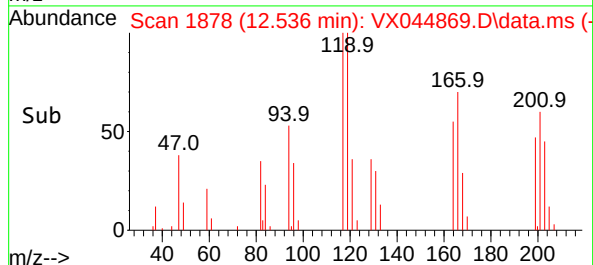
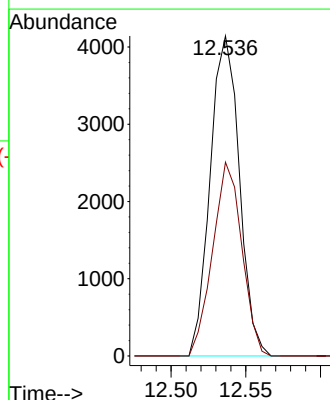
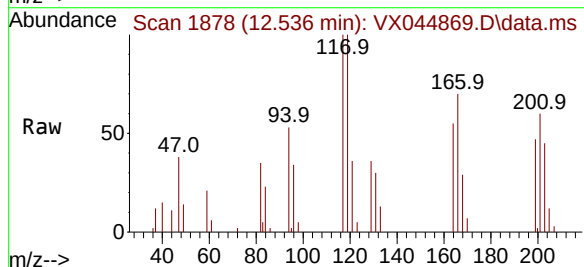
RT: 12.536 min Scan# 1878

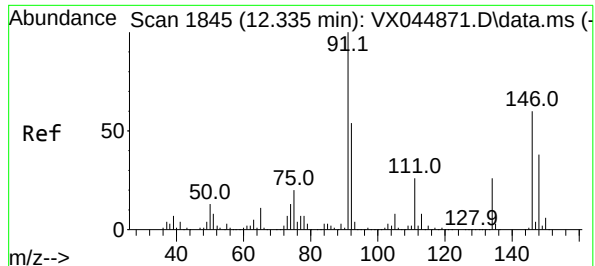
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

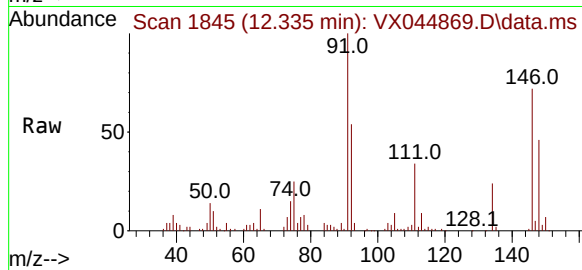
Tgt Ion: 117	Resp: 5620
Ion Ratio	Lower Upper
117	100
201	60.6 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

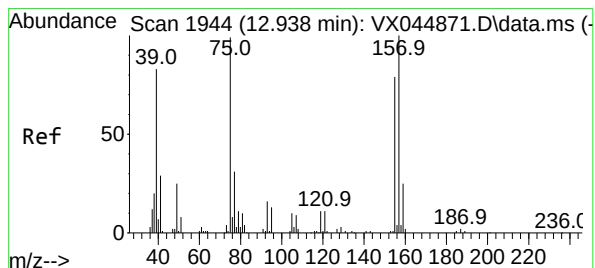
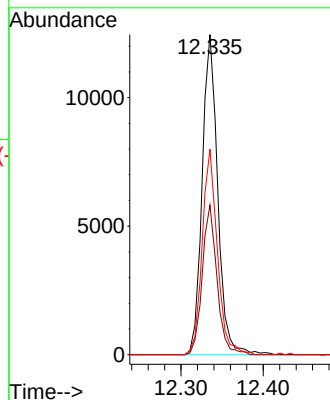
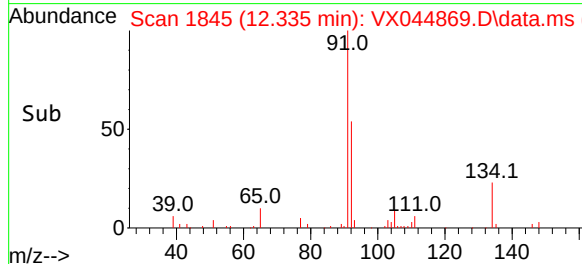
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



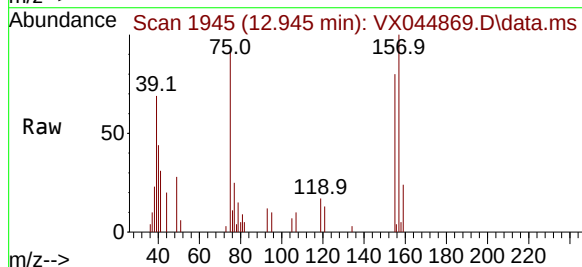
Tgt Ion:146 Resp: 1636
Ion Ratio Lower Upper
146 100
111 44.3 21.8 65.4
148 62.7 31.9 95.9

Manual Integrations
APPROVED

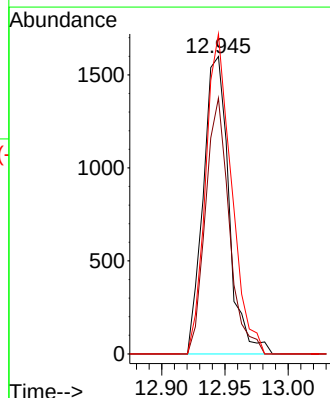
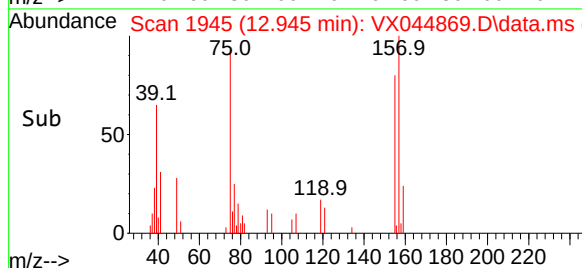
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

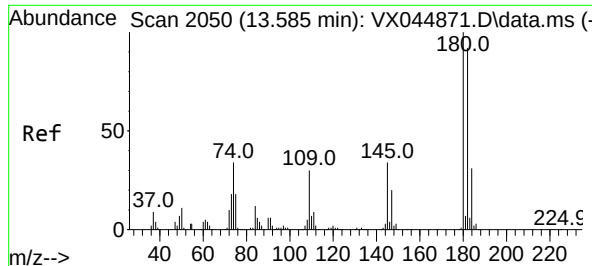


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48



Tgt Ion: 75 Resp: 2254
Ion Ratio Lower Upper
75 100
155 80.0 40.5 121.4
157 108.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 4.680 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

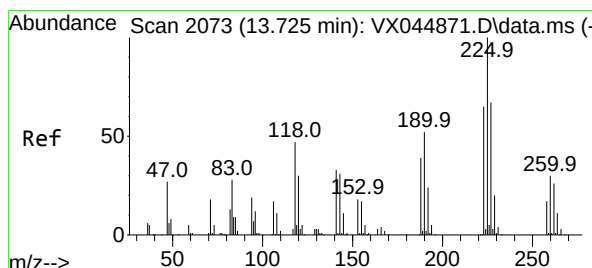
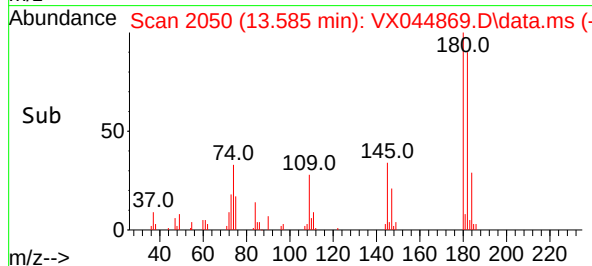
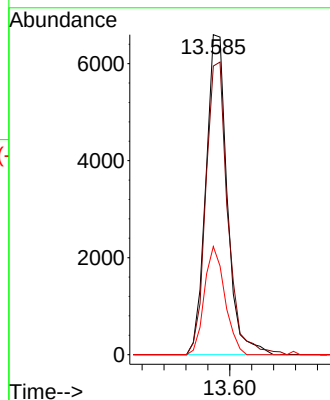
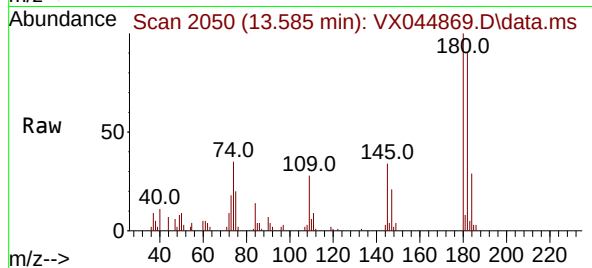
VSTDIC005

Tgt Ion:	180	Resp:	892
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.6	142.8
145	32.3	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 4.750 ug/l

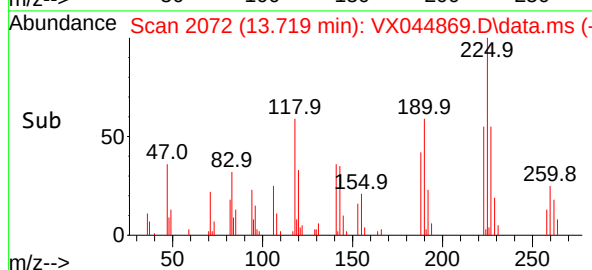
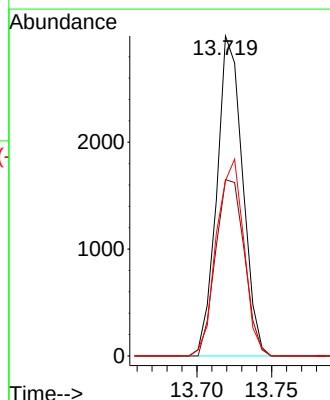
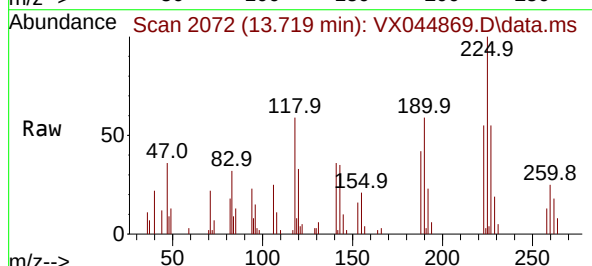
RT: 13.719 min Scan# 2072

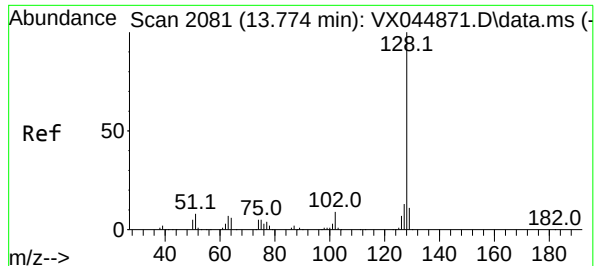
Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	225	Resp:	3595
Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	65.1	32.3	96.8





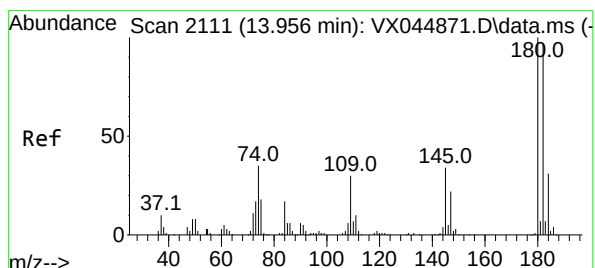
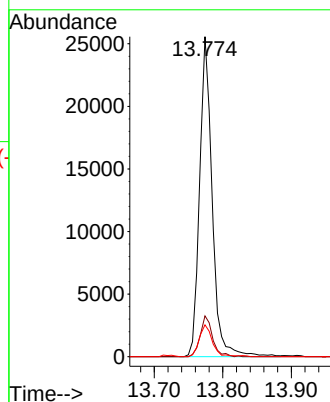
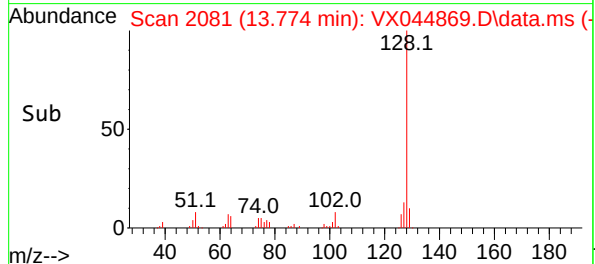
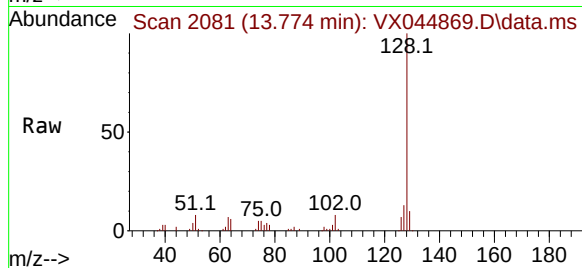
#95
Naphthalene
Concen: 4.756 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 32770
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.3 8.9 13.3

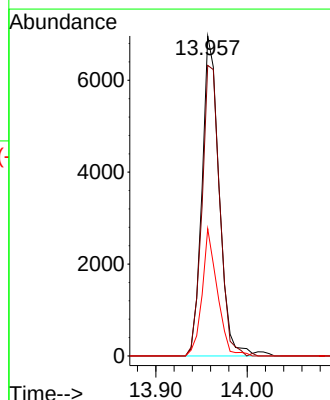
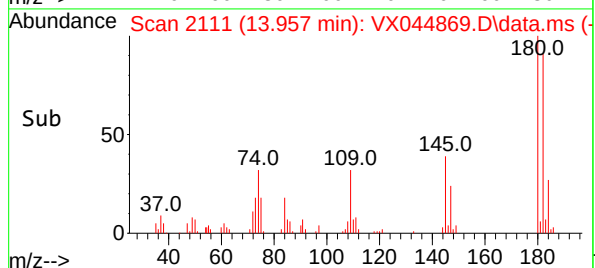
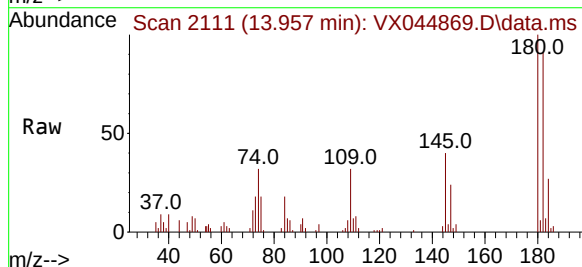
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.733 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:180 Resp: 9093
Ion Ratio Lower Upper
180 100
182 93.4 47.9 143.6
145 35.0 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	39.240%#
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	39.580%#
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	40.640%#
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	39.600%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l	94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l	100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l	99
44) Trichloroethene	7.123	130	34390	21.910	ug/l	96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l	99
46) Dibromomethane	7.574	93	25300	21.354	ug/l	99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l	97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l	100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l	99
52) Toluene	8.714	92	89726	21.940	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l	98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l	99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l	100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l	98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l	99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l	100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l	97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l	99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l	100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l	99
69) o-Xylene	10.640	106	62087	21.310	ug/l	97
70) Styrene	10.653	104	103740	22.101	ug/l	98
71) Bromoform	10.799	173	22592	21.086	ug/l #	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l	99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42040m	20.589	ug/l	
77) Bromobenzene	11.195	156	36021	21.426	ug/l	97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l	99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l	96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l	100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l	100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l	100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l	98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l	100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l	99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l	96
95) Naphthalene	13.774	128	142902	21.502	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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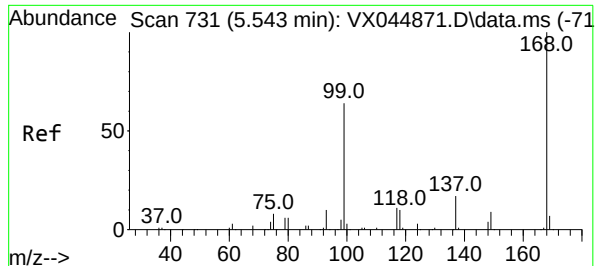
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





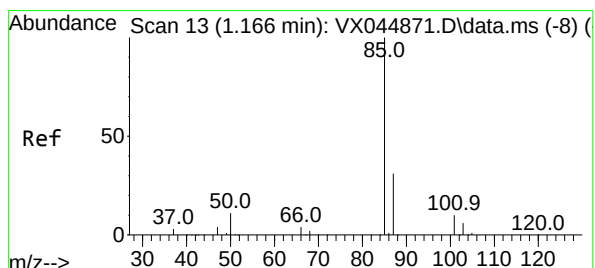
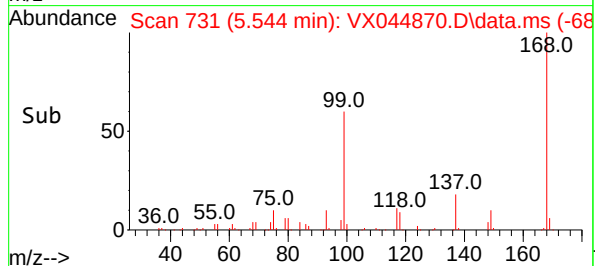
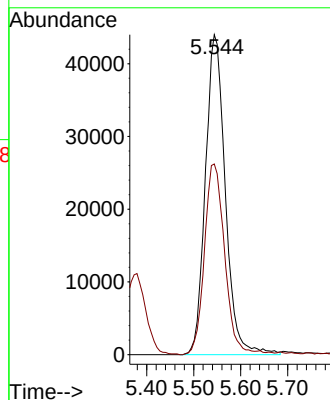
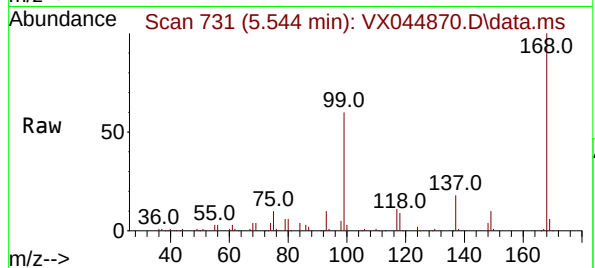
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 12953
Ion Ratio Lower Upper
168 100
99 59.6 51.2 76.8

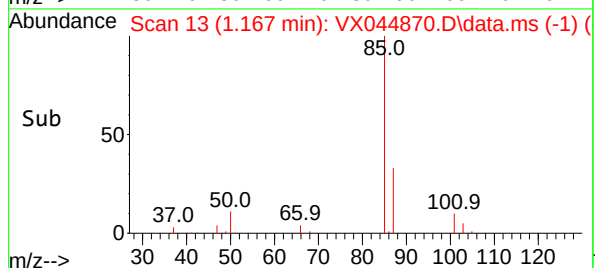
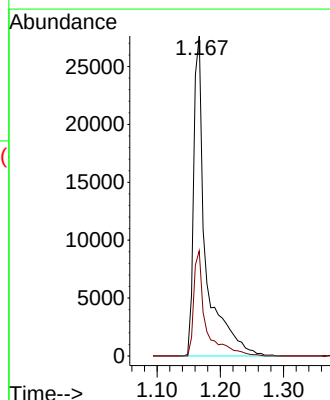
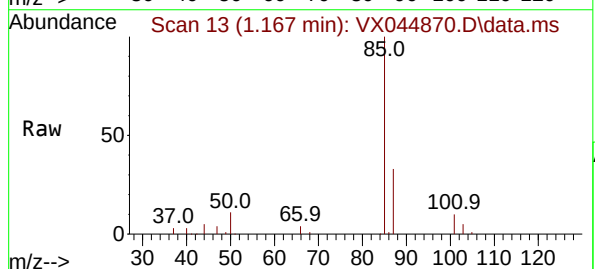
Manual Integrations
APPROVED

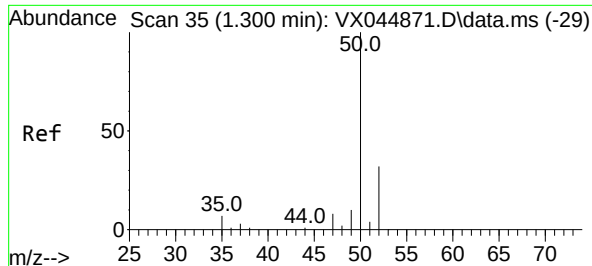
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123
Ion Ratio Lower Upper
85 100
87 32.9 15.8 47.3





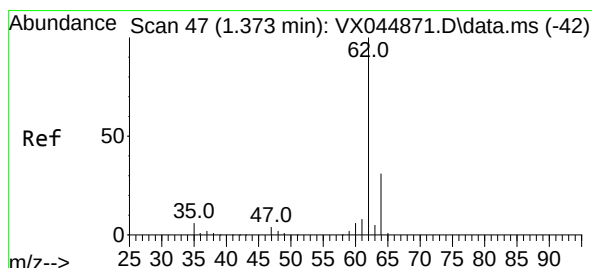
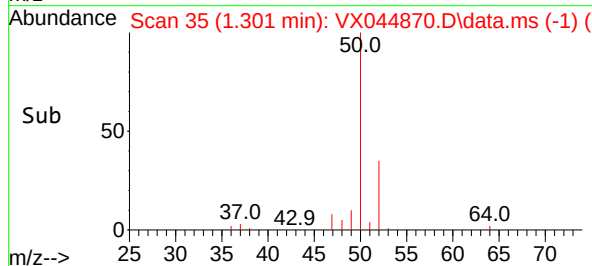
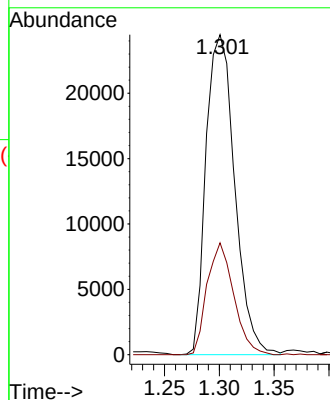
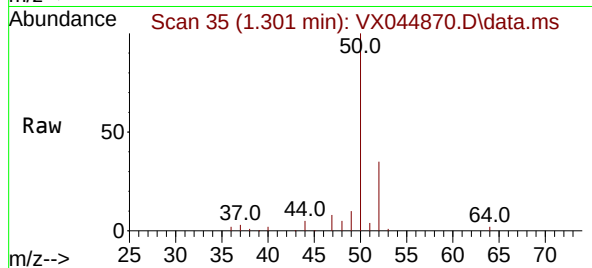
#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 44660
Ion Ratio Lower Upper
50 100
52 35.0 25.9 38.9

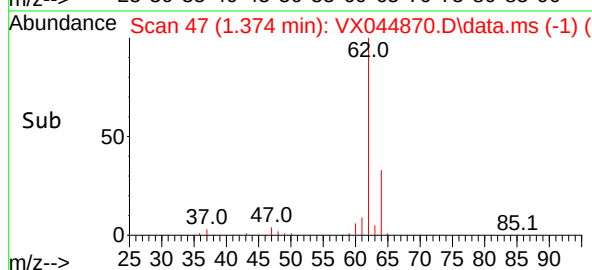
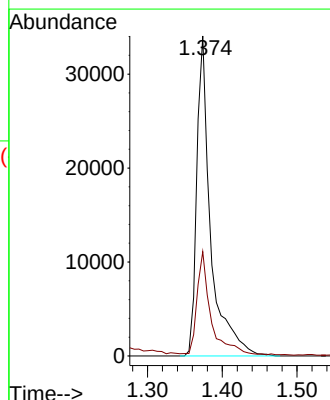
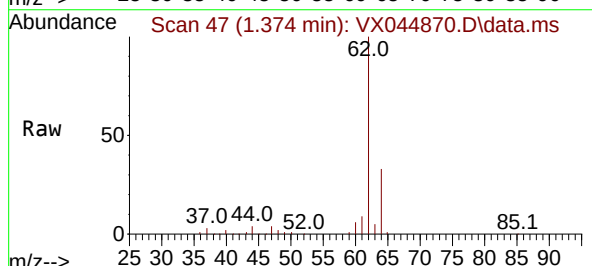
Manual Integrations
APPROVED

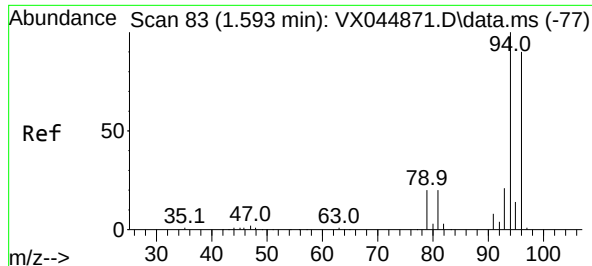
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 20.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 43901
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





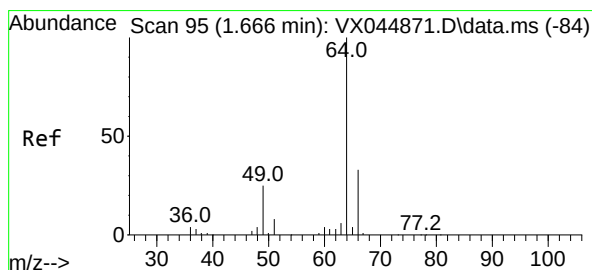
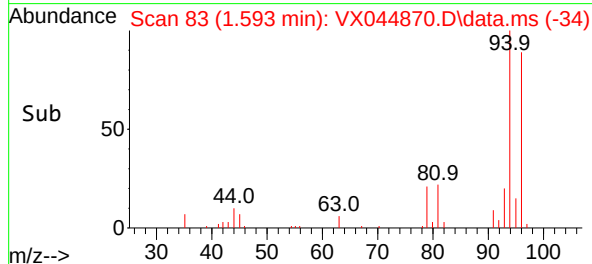
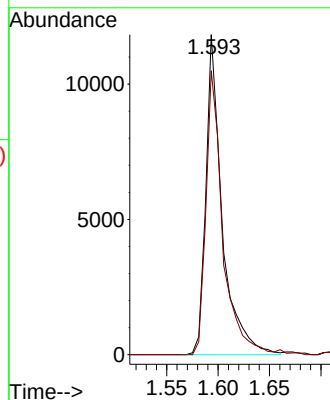
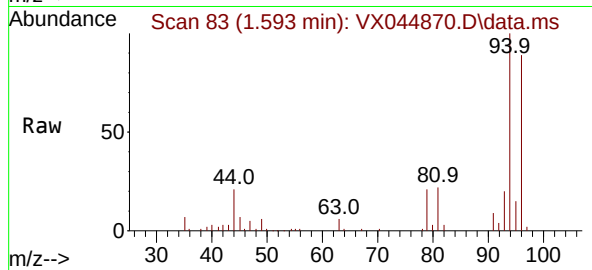
#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 1305
Ion Ratio Lower Upper
94 100
96 88.8 71.6 107.4

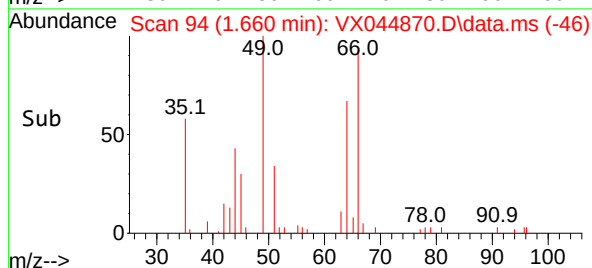
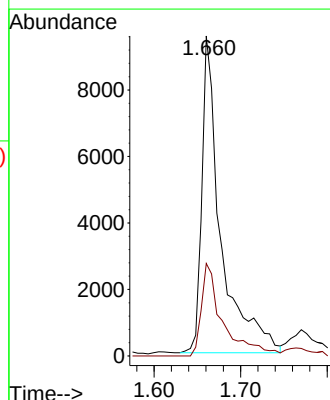
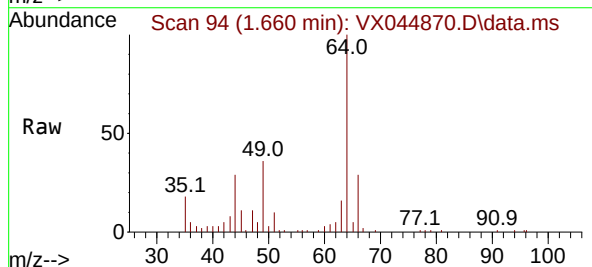
Manual Integrations
APPROVED

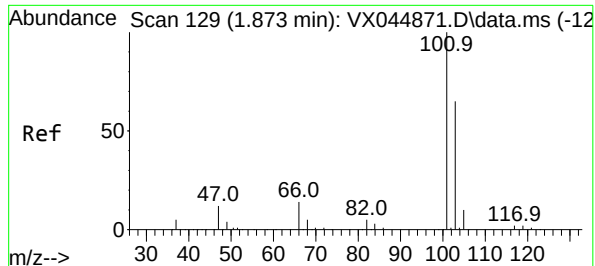
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523
Ion Ratio Lower Upper
64 100
66 29.2 25.9 38.9





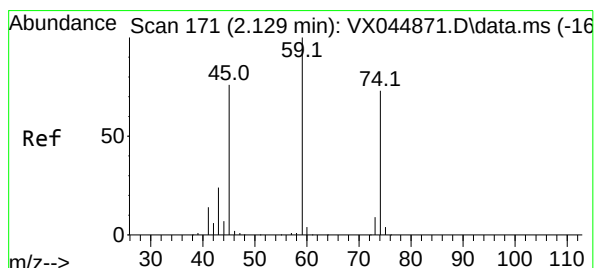
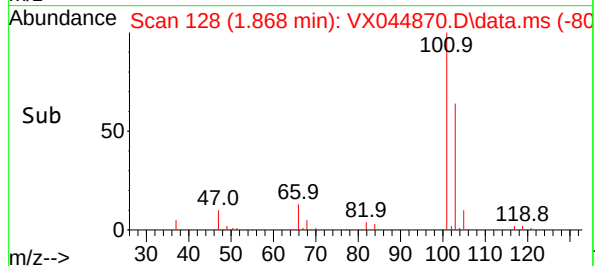
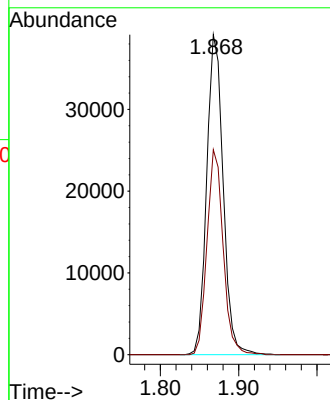
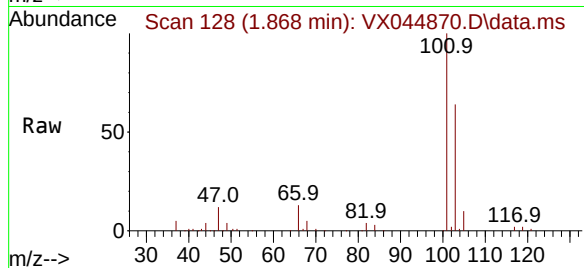
#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 129
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 5680
Ion Ratio Lower Upper
101 100
103 64.0 52.4 78.6

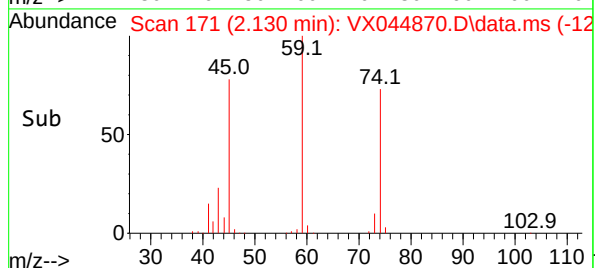
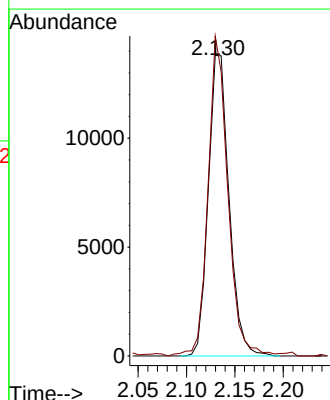
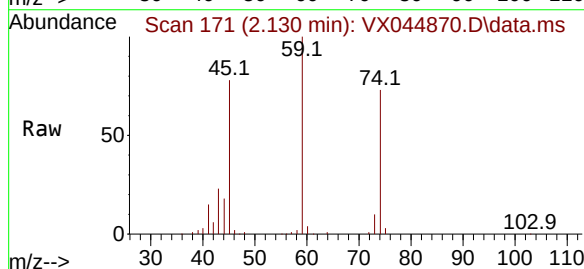
Manual Integrations
APPROVED

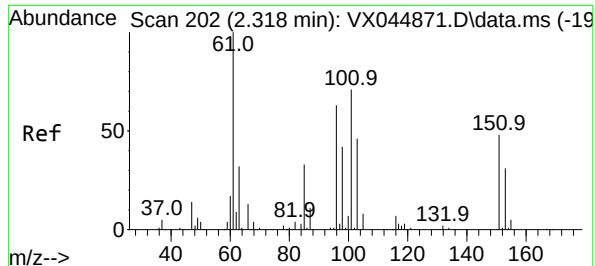
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699
Ion Ratio Lower Upper
74 100
45 101.2 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.135 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

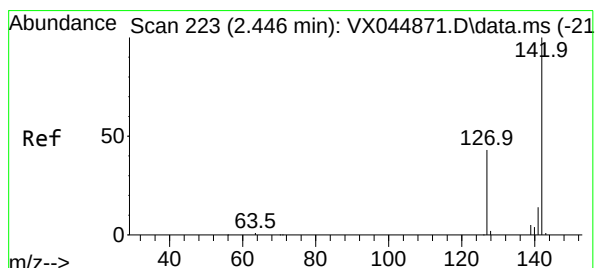
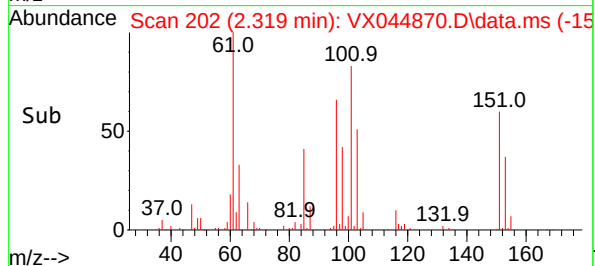
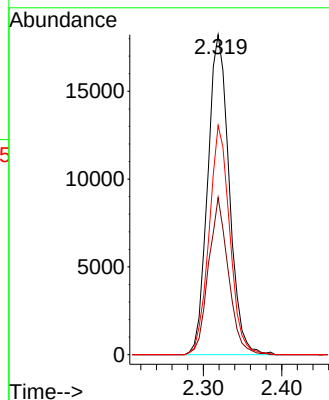
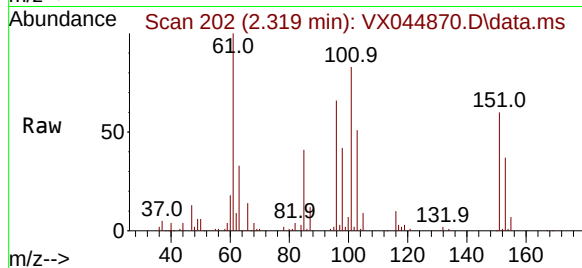
Tgt Ion:	101	Resp:	3459
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.7	53.5
151	69.4	56.0	84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 21.096 ug/l

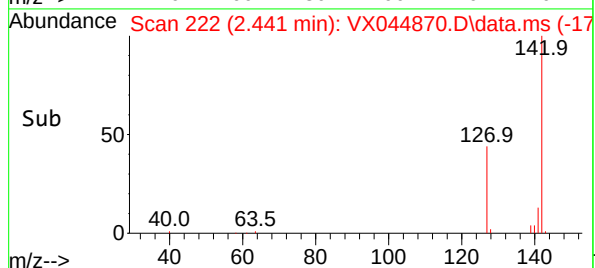
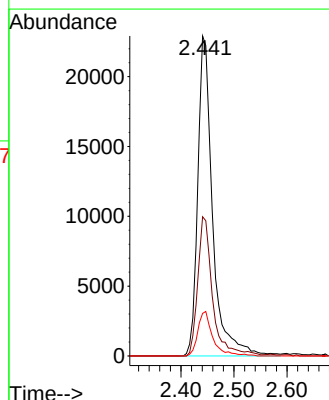
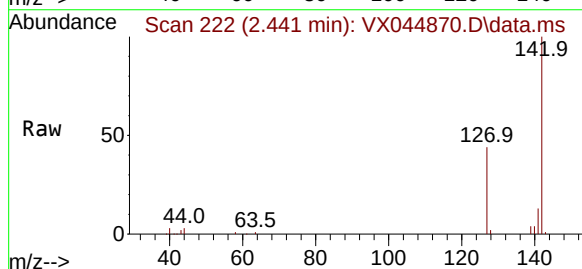
RT: 2.441 min Scan# 222

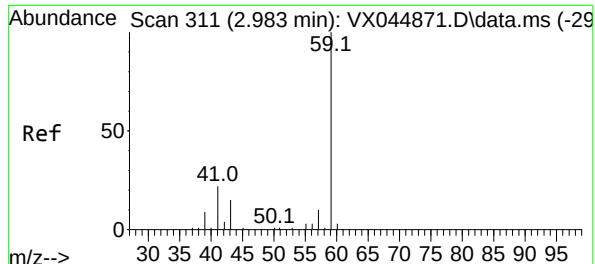
Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	142	Resp:	44749
Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.3	51.5
141	14.0	11.4	17.2





#11

Tert butyl alcohol

Concen: 101.870 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 35834

Ion Ratio Lower Upper

59 100

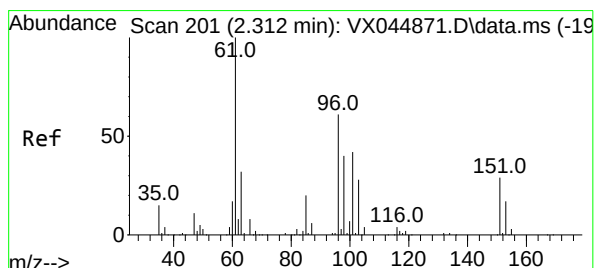
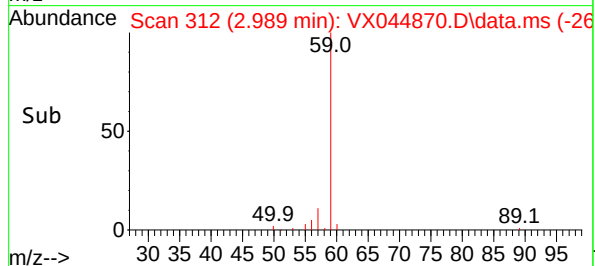
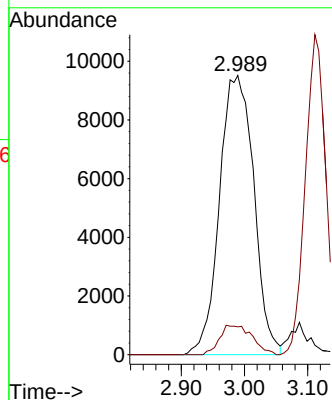
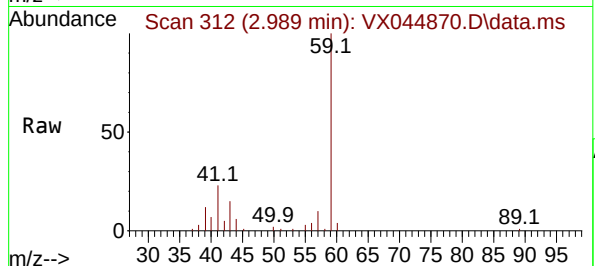
57 10.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 20.526 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

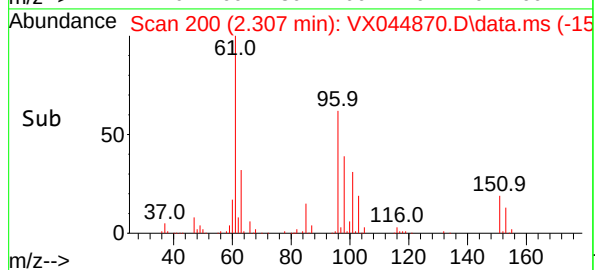
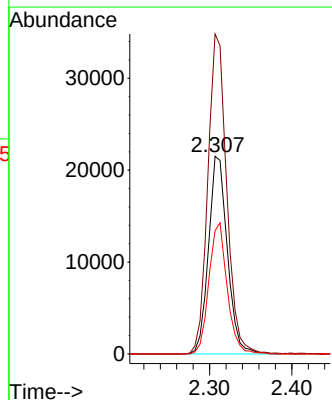
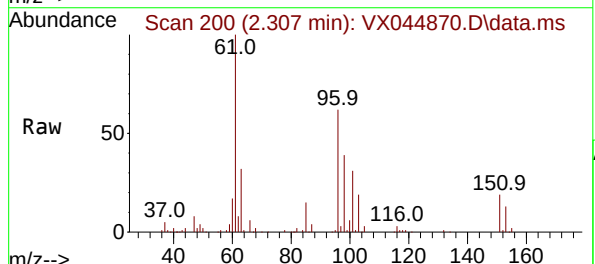
Tgt Ion: 96 Resp: 34270

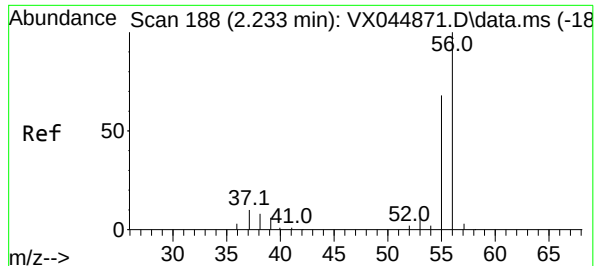
Ion Ratio Lower Upper

96 100

61 161.9 130.2 195.4

98 62.4 52.2 78.4





#13

Acrolein

Concen: 93.445 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 33914

Ion Ratio Lower Upper

56 100

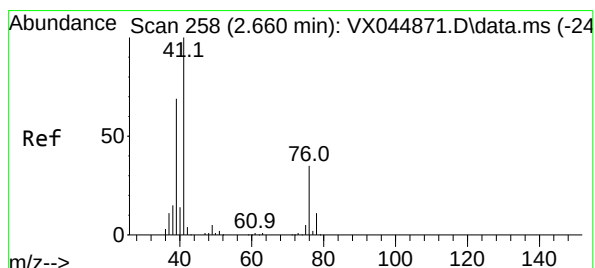
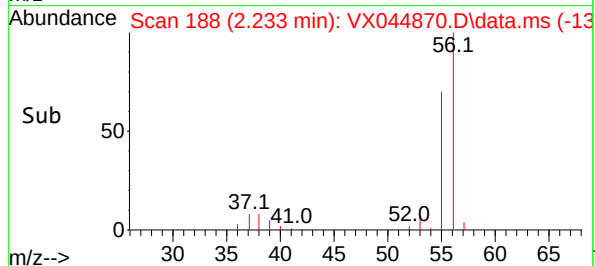
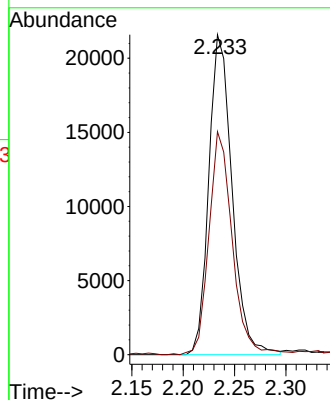
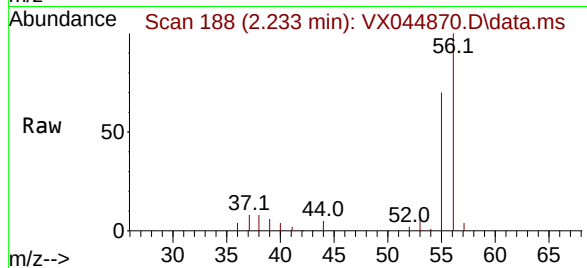
55 70.1 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 20.377 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

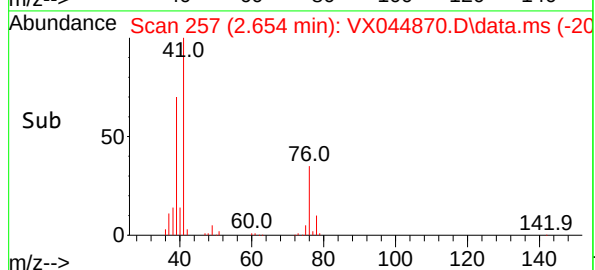
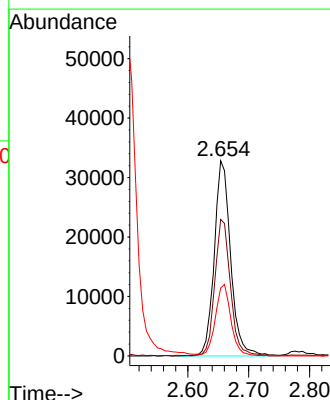
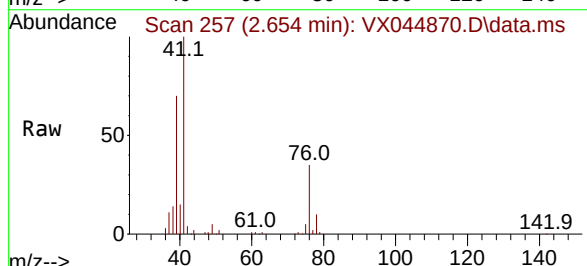
Tgt Ion: 41 Resp: 61485

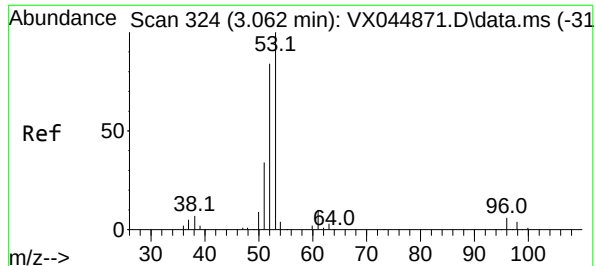
Ion Ratio Lower Upper

41 100

39 65.8 51.4 77.2

76 34.9 27.0 40.4





#15

Acrylonitrile

Concen: 104.896 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

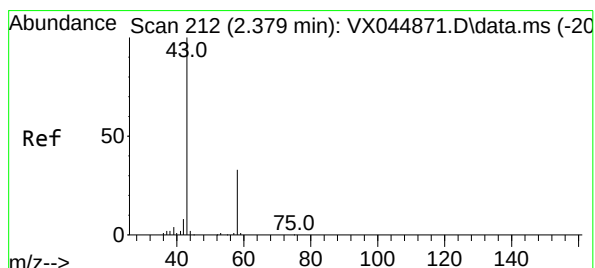
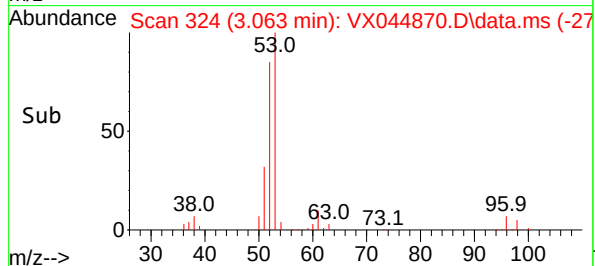
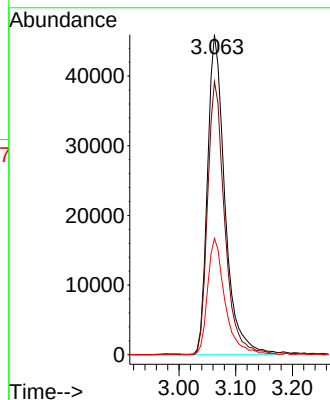
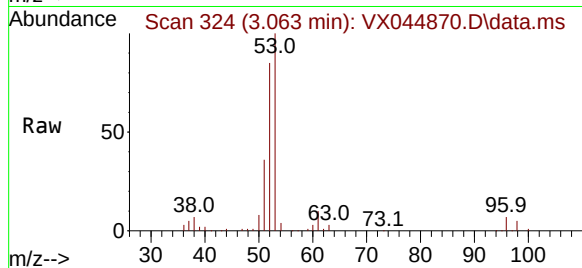
VSTDICC020

Tgt Ion:	53	Resp:	98518
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 101.119 ug/l

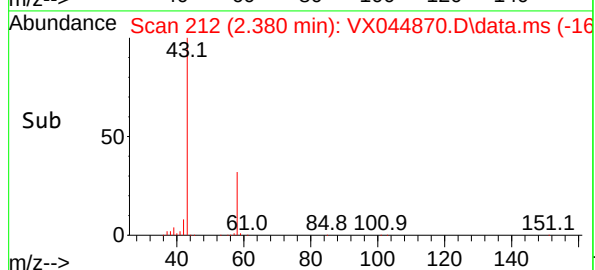
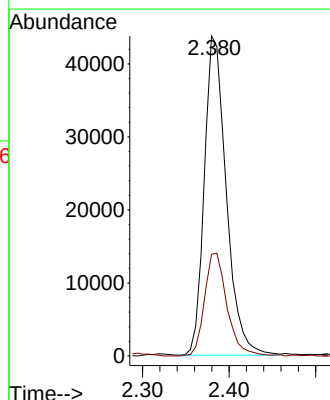
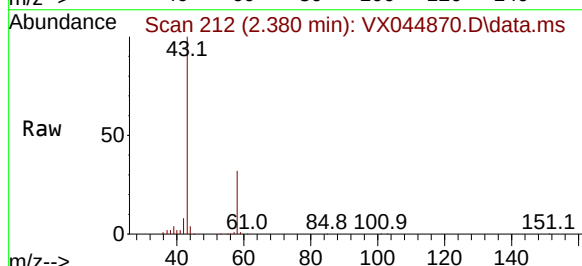
RT: 2.380 min Scan# 212

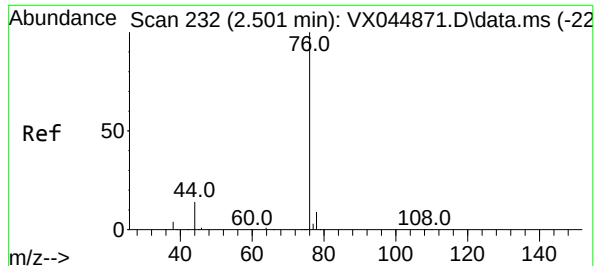
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	43	Resp:	77078
Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7





#17

Carbon Disulfide

Concen: 20.216 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 9255

Ion Ratio Lower Upper

76 100

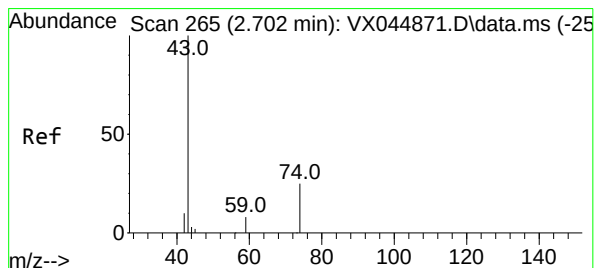
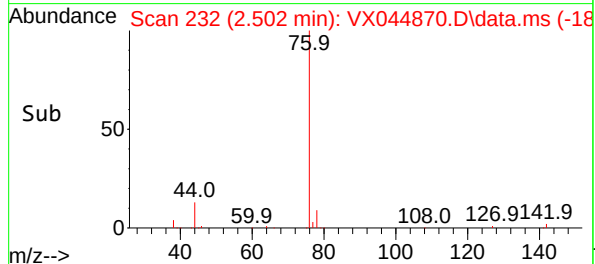
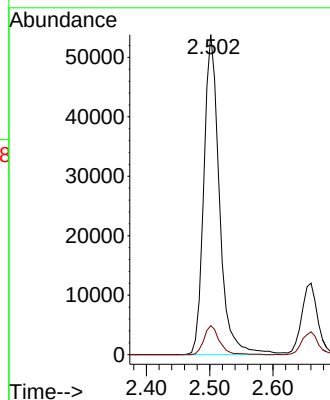
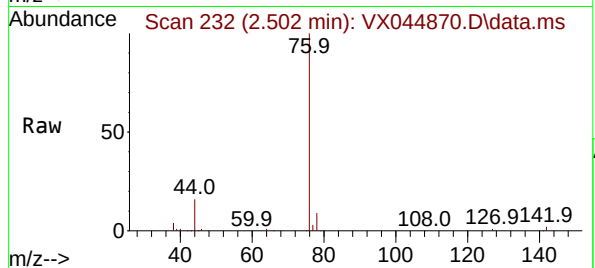
78 9.0 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 19.943 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044870.D

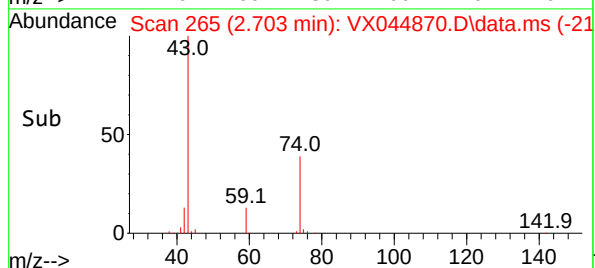
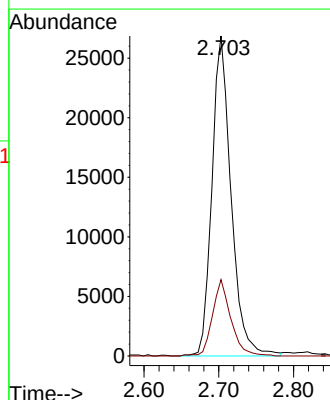
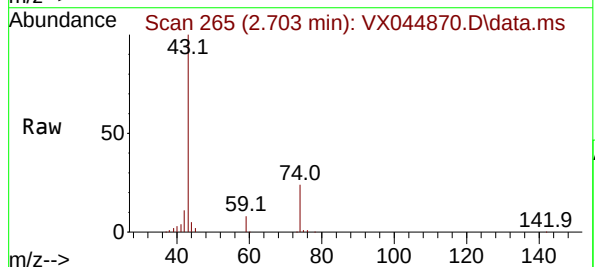
Acq: 10 Feb 2025 11:11

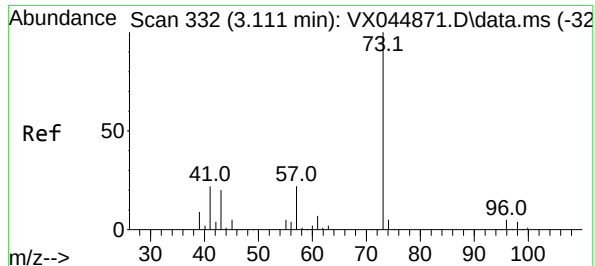
Tgt Ion: 43 Resp: 47970

Ion Ratio Lower Upper

43 100

74 22.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 20.779 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 11037

Ion Ratio Lower Upper

73 100

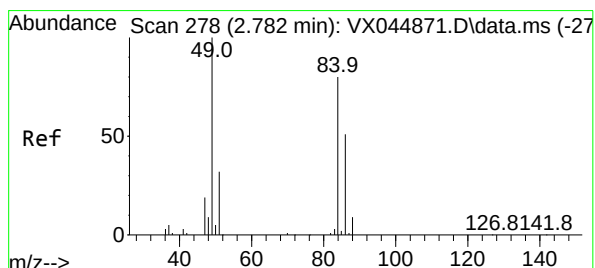
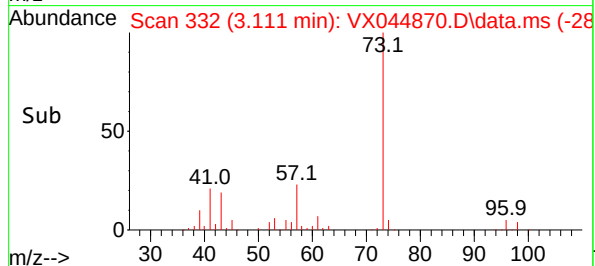
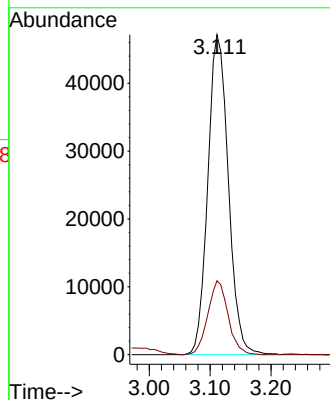
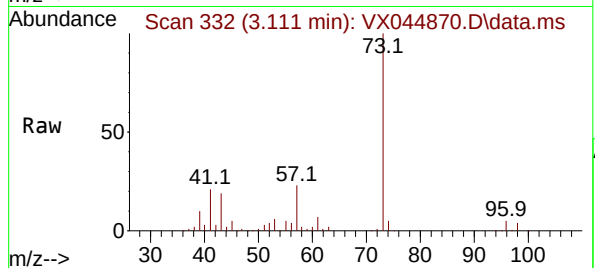
57 23.1 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 20.562 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion: 84 Resp: 38390

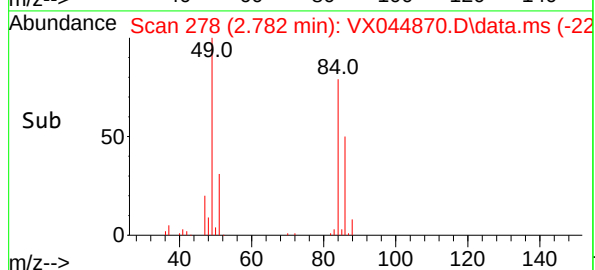
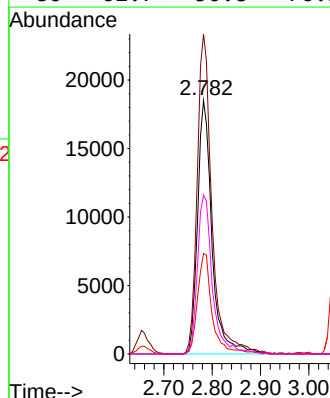
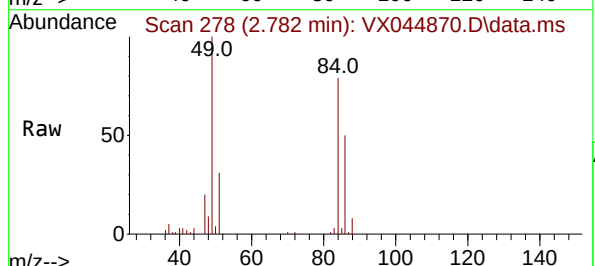
Ion Ratio Lower Upper

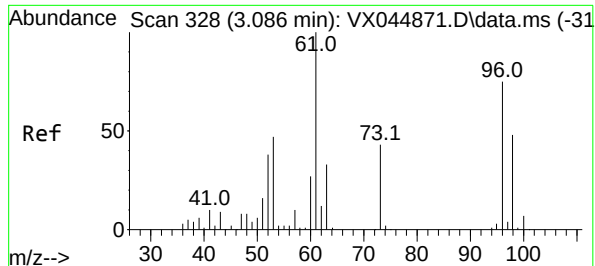
84 100

49 126.2 100.1 150.1

51 39.6 31.7 47.5

86 62.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.730 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 34064

Ion Ratio Lower Upper

96 100

61 144.3 106.0 159.0

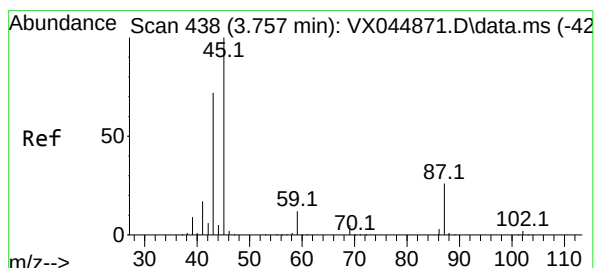
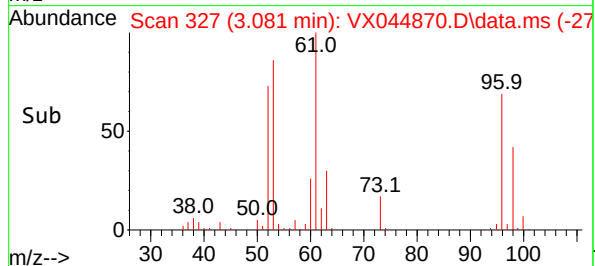
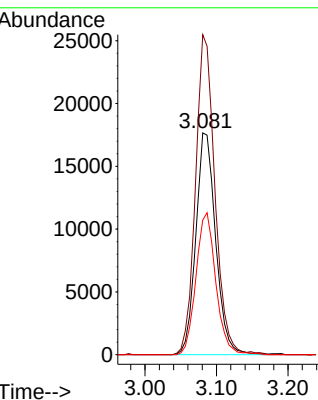
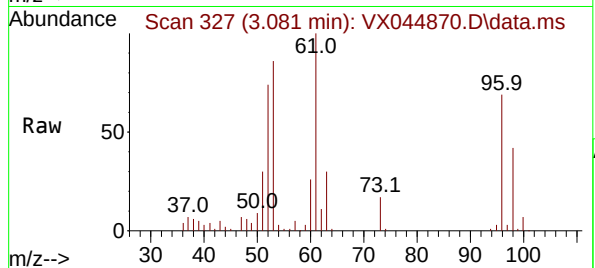
98 60.8 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#22

Diisopropyl ether

Concen: 21.074 ug/l

RT: 3.757 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300

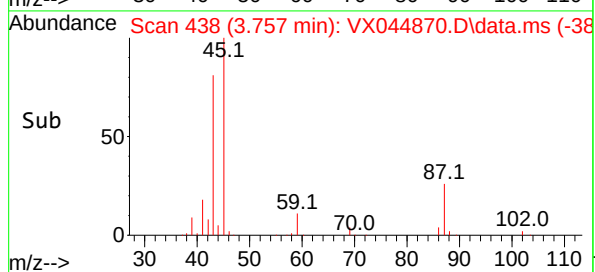
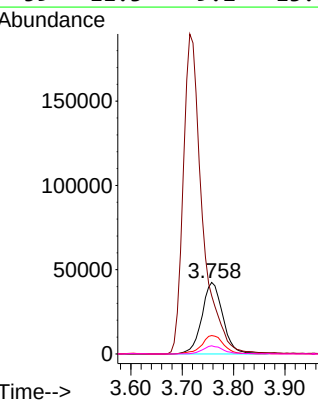
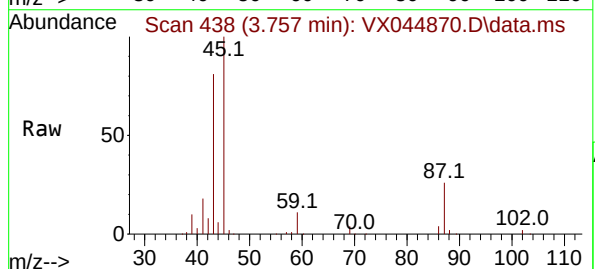
Ion Ratio Lower Upper

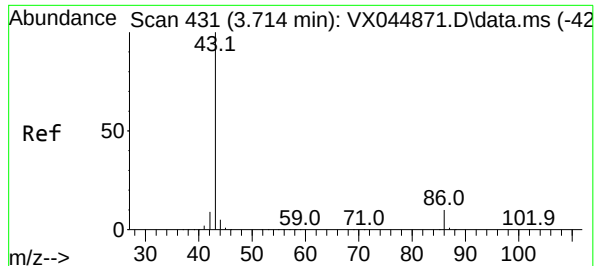
45 100

43 80.8 58.0 87.0

87 25.8 20.7 31.1

59 11.3 9.2 13.8





#23

Vinyl Acetate

Concen: 105.341 ug/l

RT: 3.715 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 490239

Ion Ratio Lower Upper

43 100

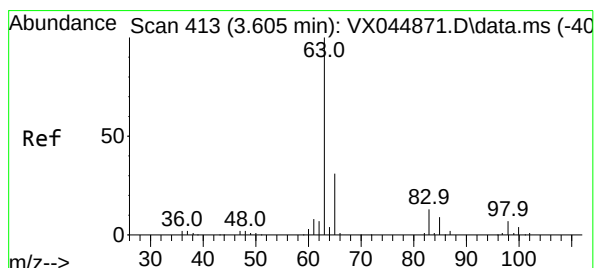
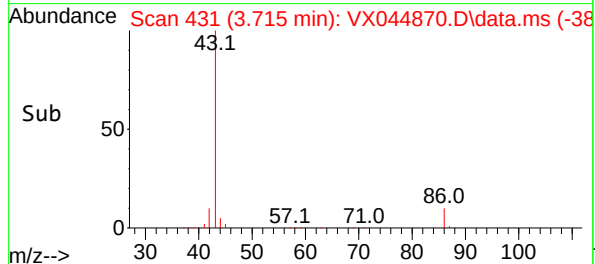
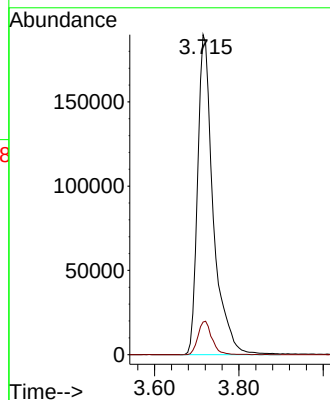
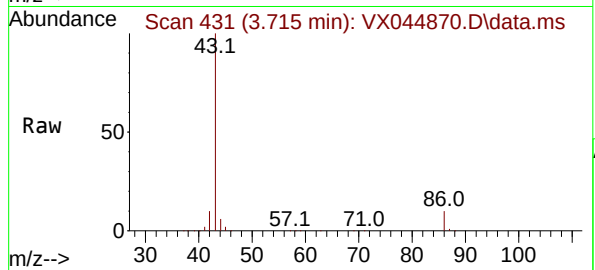
86 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 20.958 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

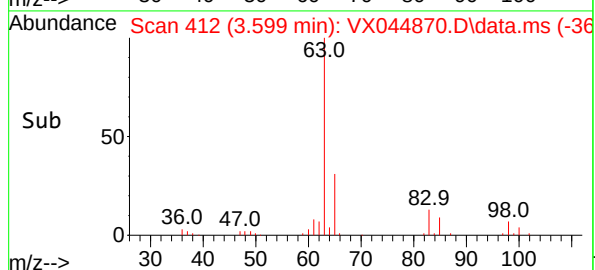
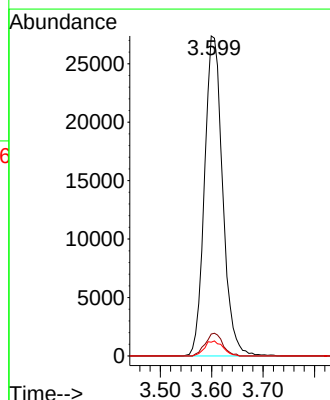
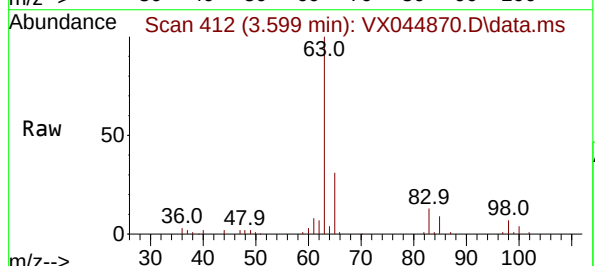
Tgt Ion: 63 Resp: 66942

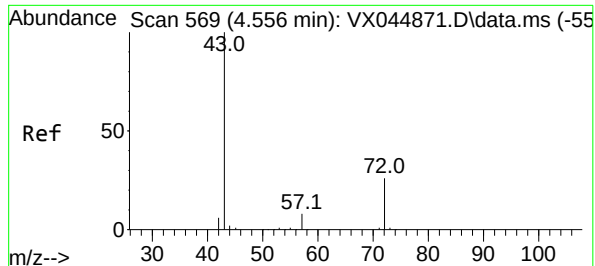
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 105.417 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 13048

Ion Ratio Lower Upper

43 100

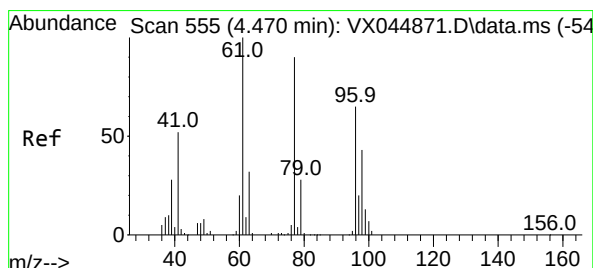
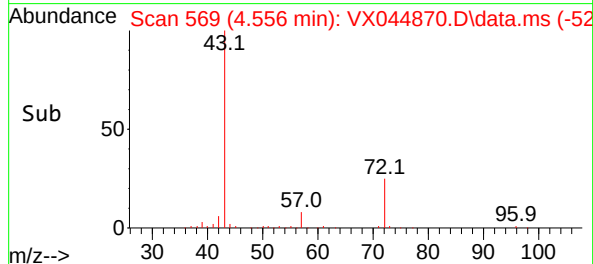
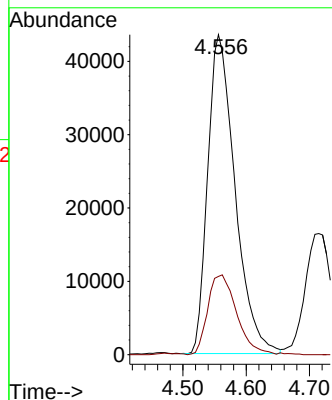
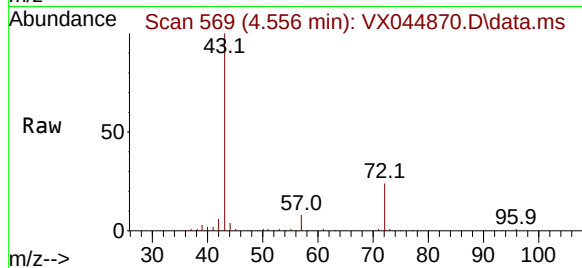
72 24.2 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 20.451 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044870.D

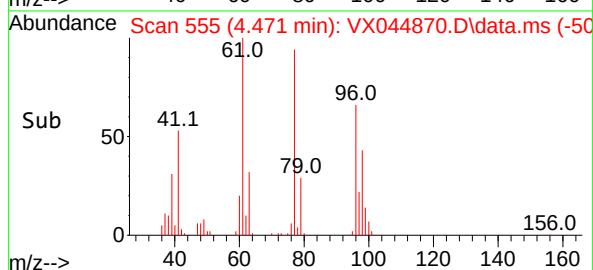
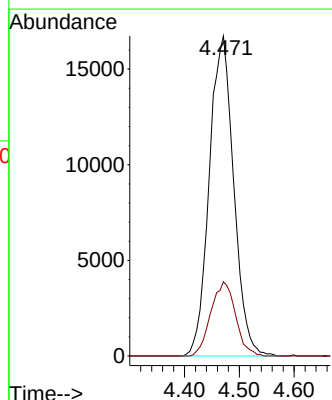
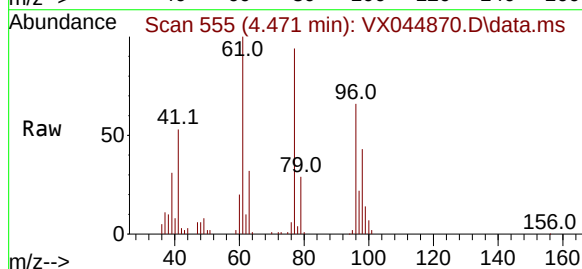
Acq: 10 Feb 2025 11:11

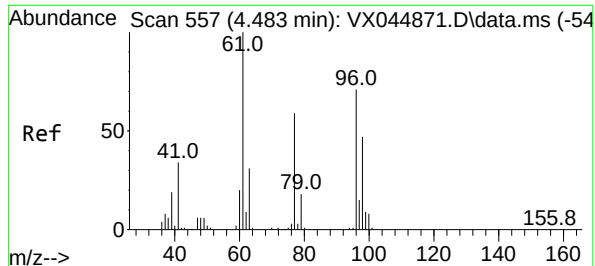
Tgt Ion: 77 Resp: 51803

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 21.328 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 42090

Ion Ratio Lower Upper

96 100

61 143.8 0.0 294.0

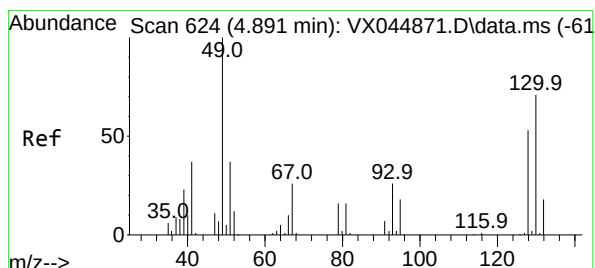
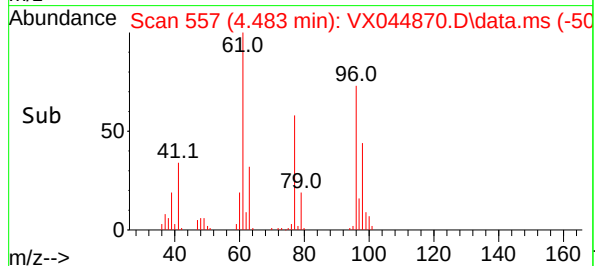
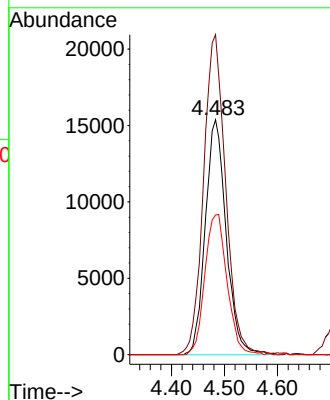
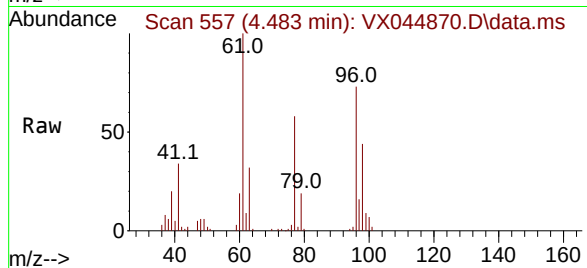
98 63.4 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 20.504 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

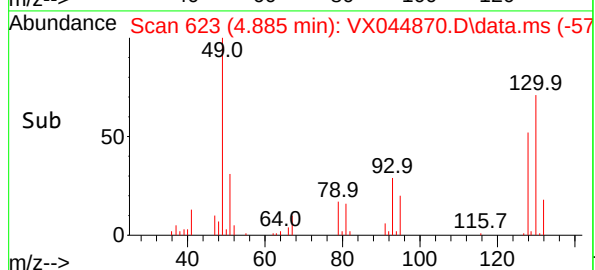
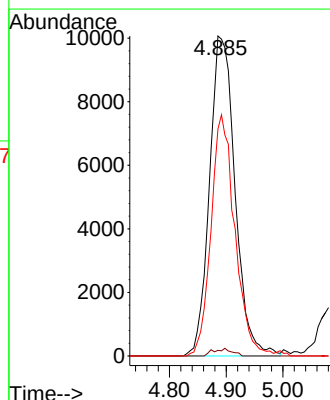
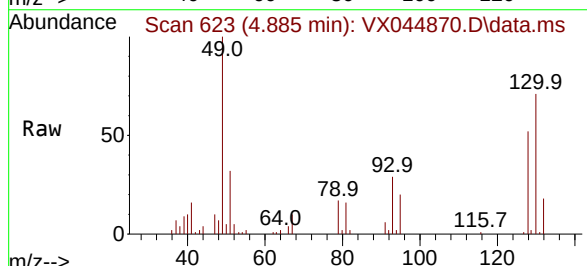
Tgt Ion: 49 Resp: 31474

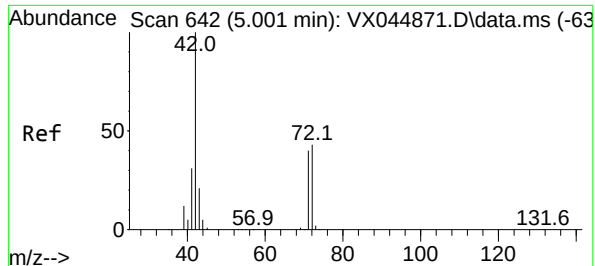
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 70.3 56.7 85.1





#29

Tetrahydrofuran

Concen: 105.700 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

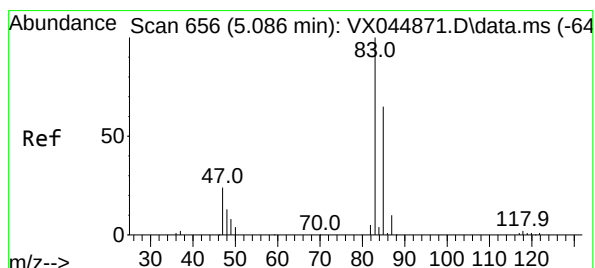
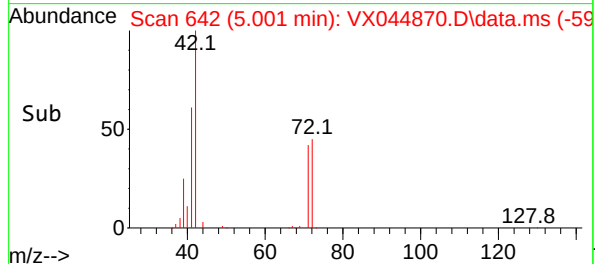
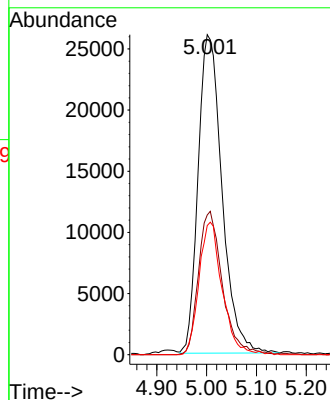
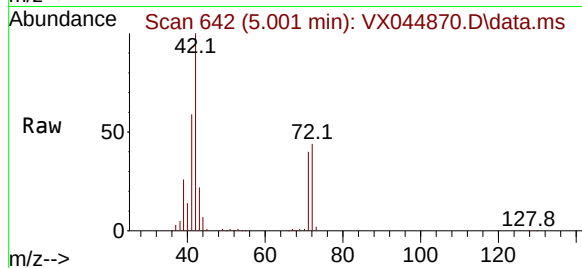
VSTDICC020

Tgt Ion:	42	Resp:	8687
Ion Ratio	Lower	Upper	
42	100		
72	44.9	35.0	52.4
71	40.4	32.6	48.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 21.217 ug/l

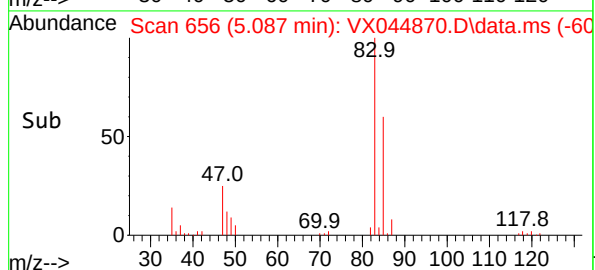
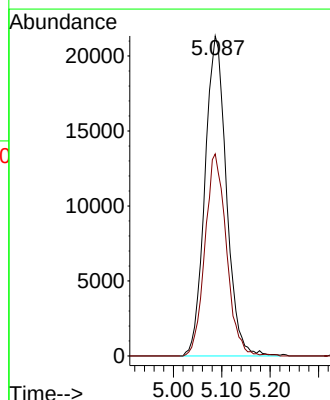
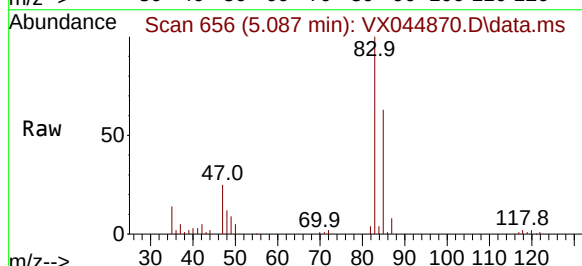
RT: 5.087 min Scan# 656

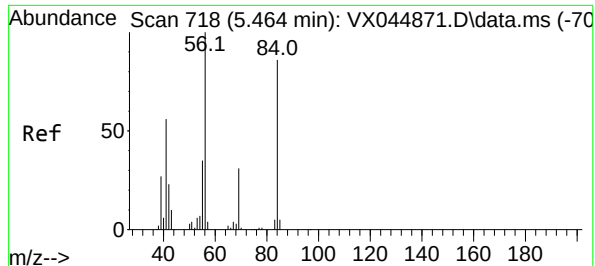
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

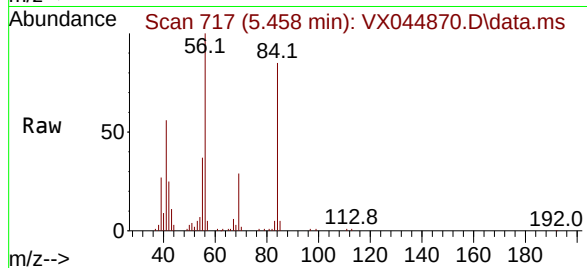
Tgt Ion:	83	Resp:	65721
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.1	78.1





#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

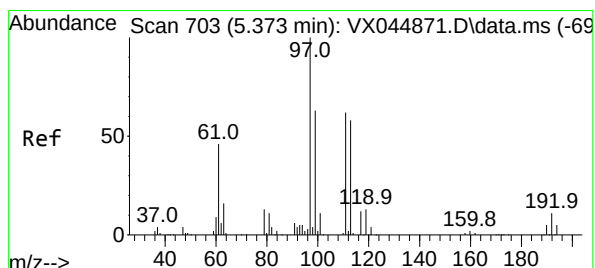
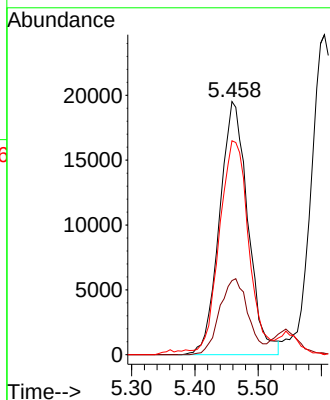
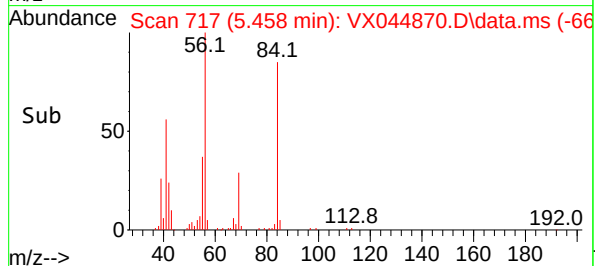
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 56 Resp: 60814
Ion Ratio Lower Upper
56 100
69 29.2 24.4 36.6
84 83.1 69.0 103.6

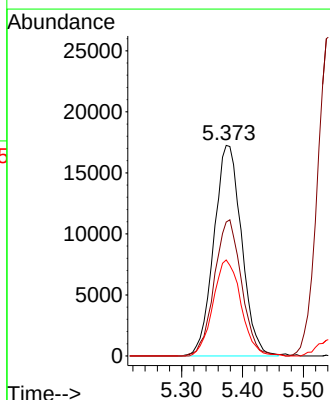
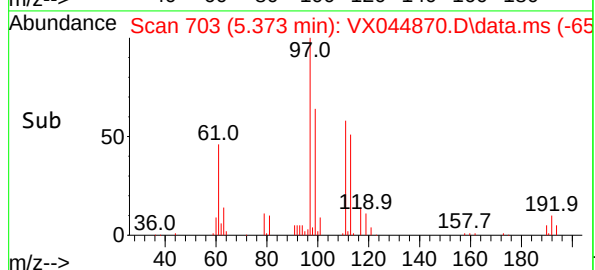
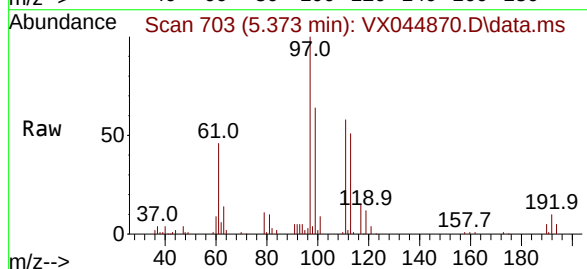
Manual Integrations
APPROVED

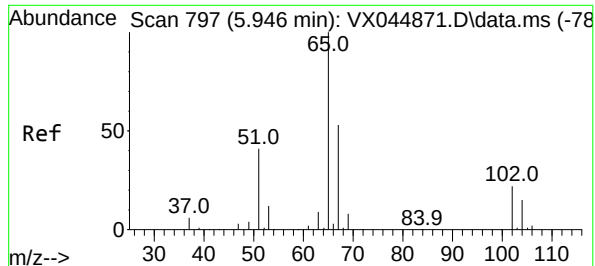
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 45.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 19.616 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 3719

Ion Ratio Lower Upper

65 100

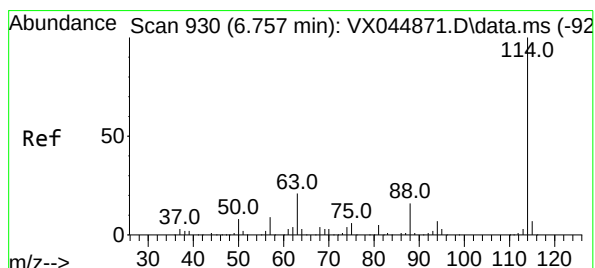
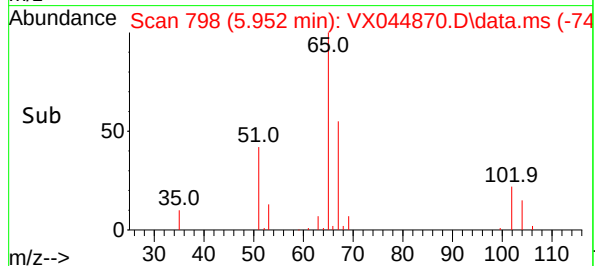
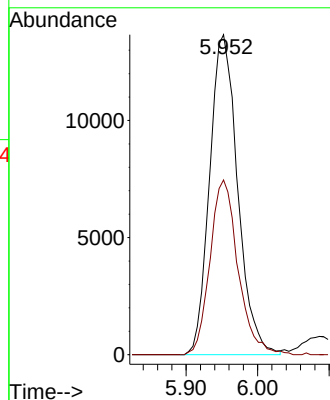
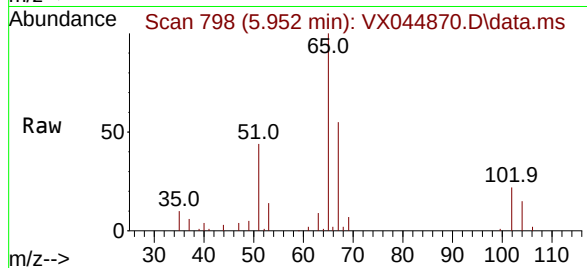
67 54.6 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

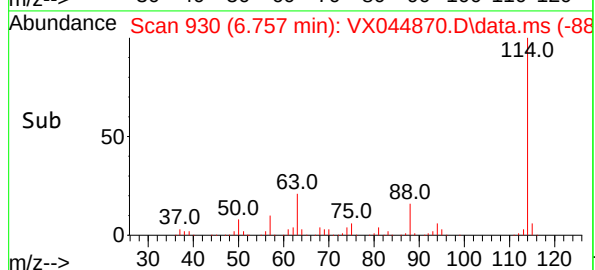
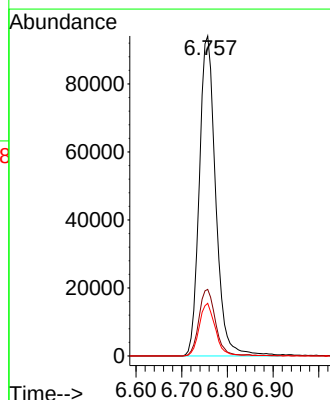
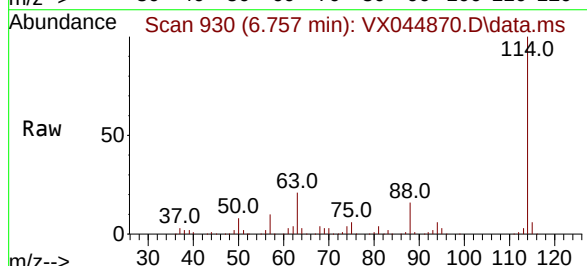
Tgt Ion:114 Resp: 234445

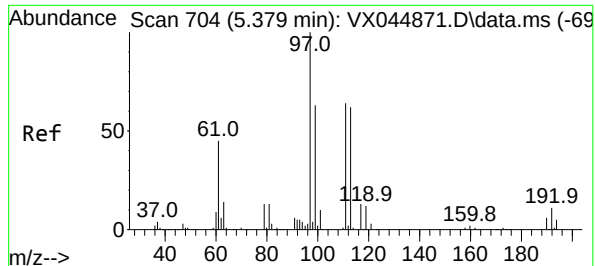
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 19.793 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

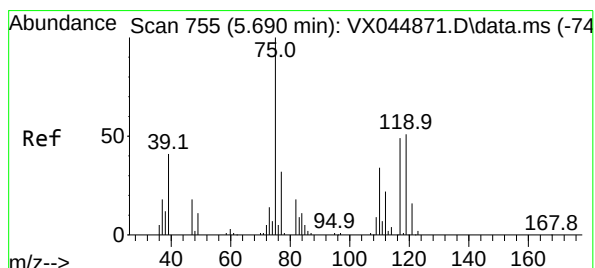
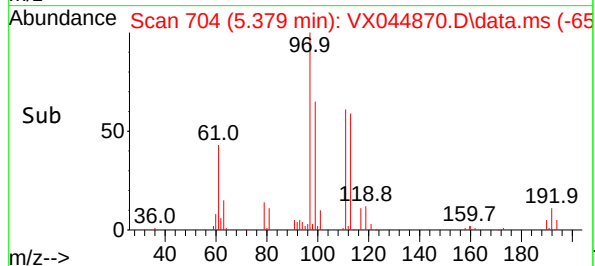
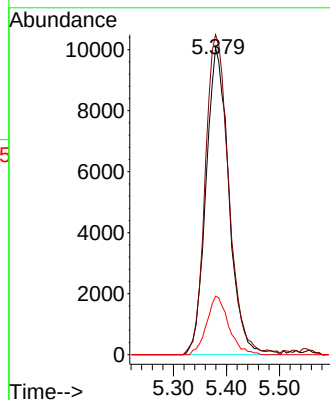
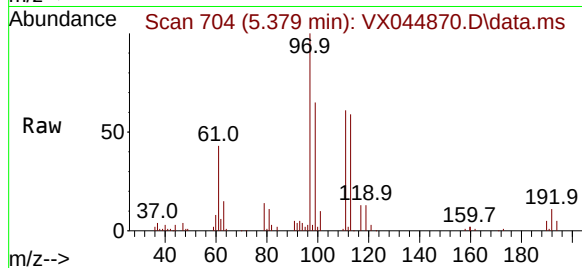
Tgt Ion:	113	Resp:	30170
Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.5	125.3
192	18.3	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 20.913 ug/l

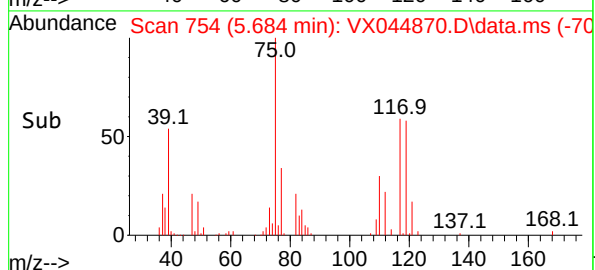
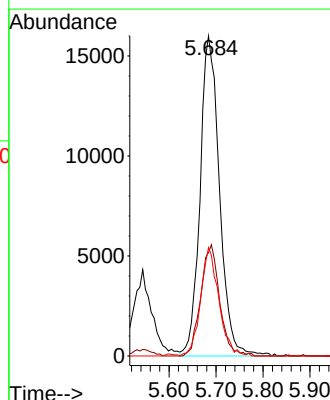
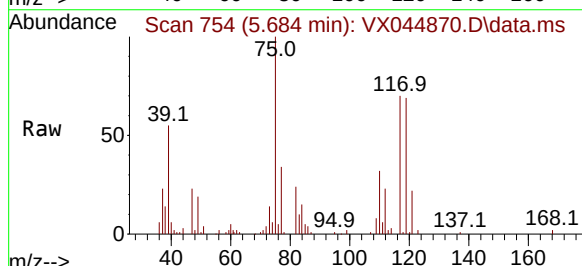
RT: 5.684 min Scan# 754

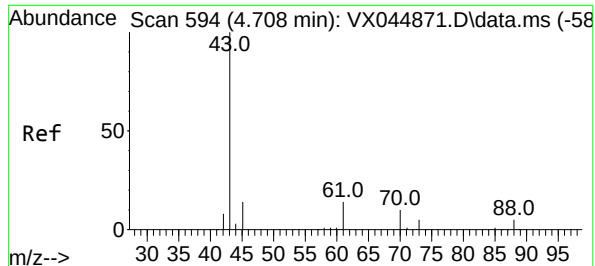
Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	75	Resp:	45991
Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.7	24.6	37.0





#37

Ethyl Acetate

Concen: 20.949 ug/l

RT: 4.715 min Scan# 5124

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

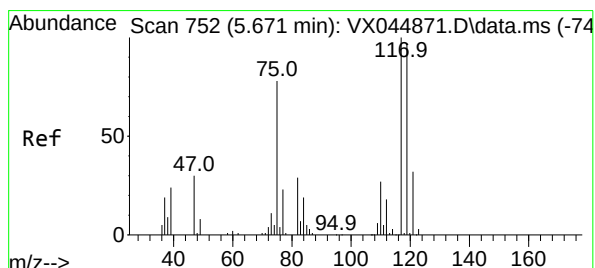
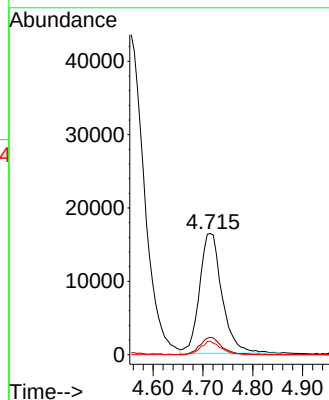
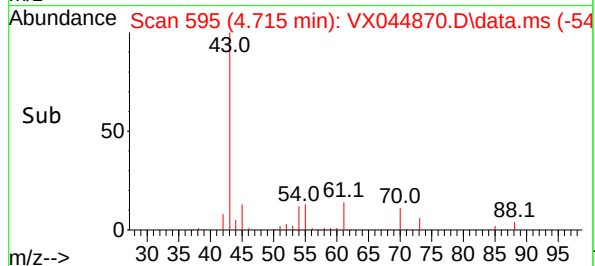
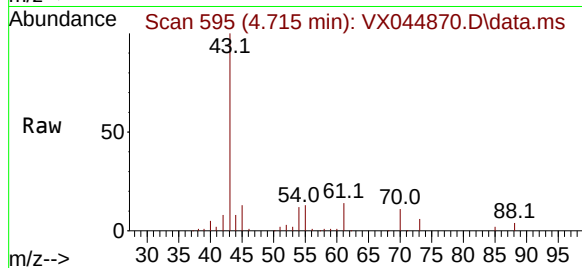
VSTDIC020

Tgt Ion:	43	Resp:	5124
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.9	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 20.790 ug/l

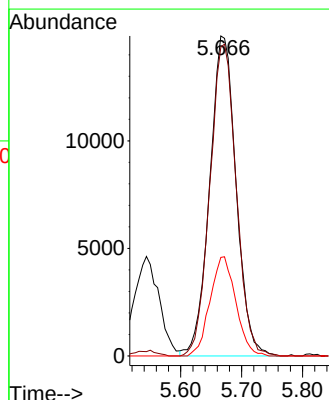
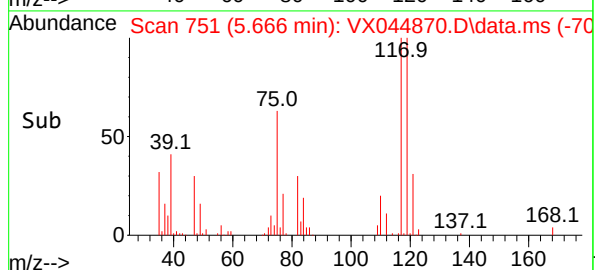
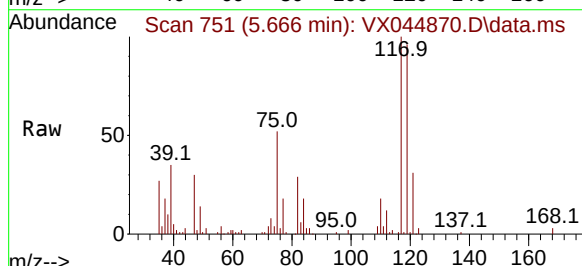
RT: 5.666 min Scan# 751

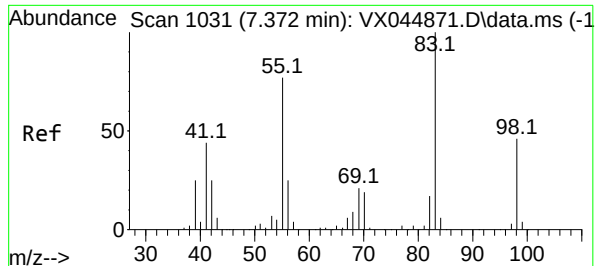
Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	117	Resp:	44802
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
121	30.8	25.6	38.4





#39

Methylcyclohexane

Concen: 21.985 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 6250

Ion Ratio Lower Upper

83 100

55 74.3 61.3 91.9

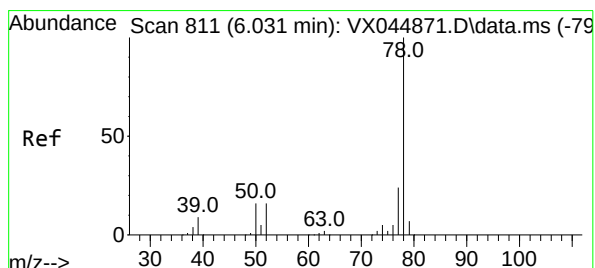
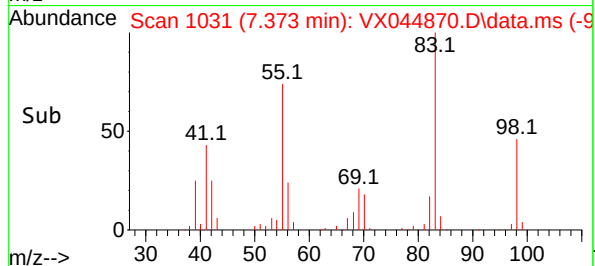
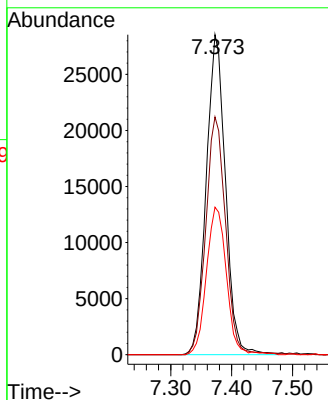
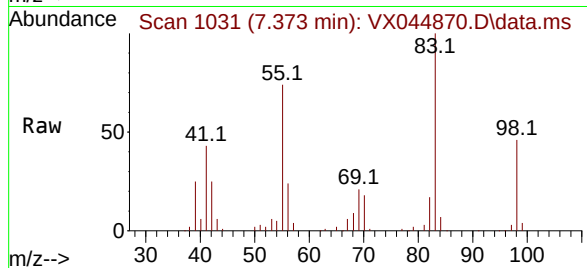
98 46.1 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 21.540 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044870.D

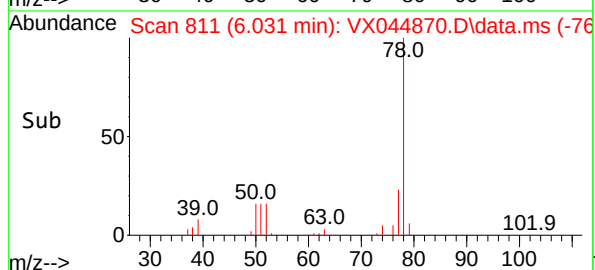
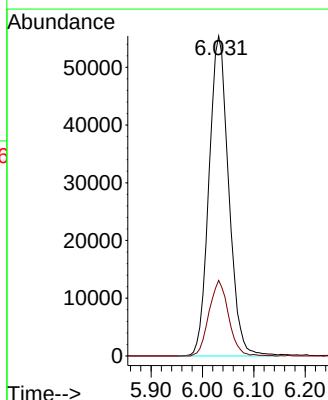
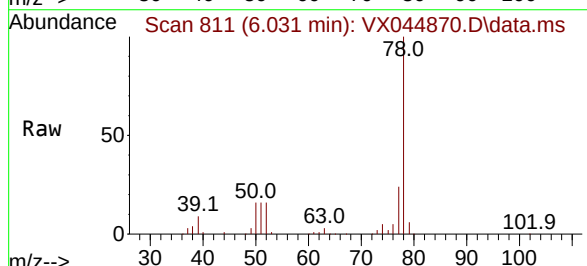
Acq: 10 Feb 2025 11:11

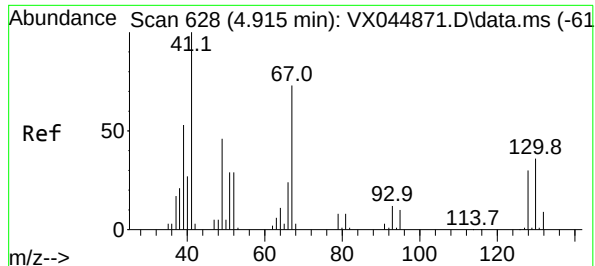
Tgt Ion: 78 Resp: 147912

Ion Ratio Lower Upper

78 100

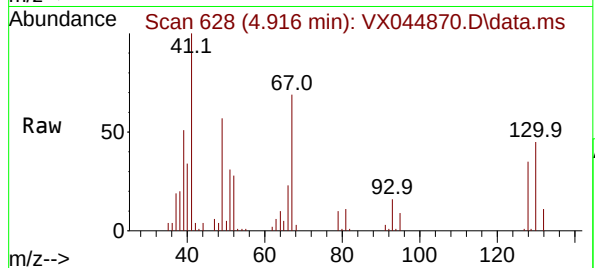
77 23.6 19.0 28.6





#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

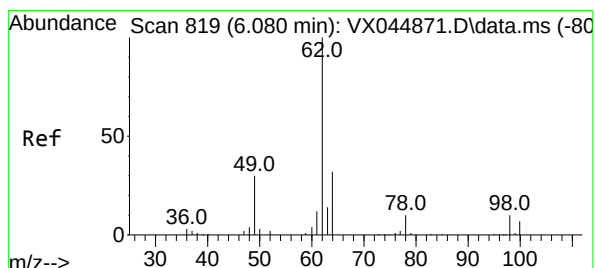
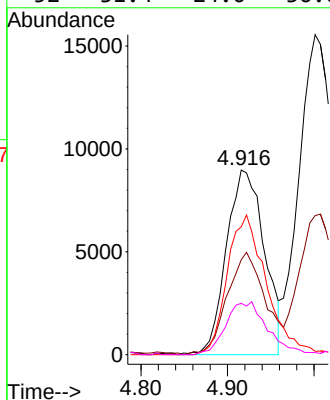
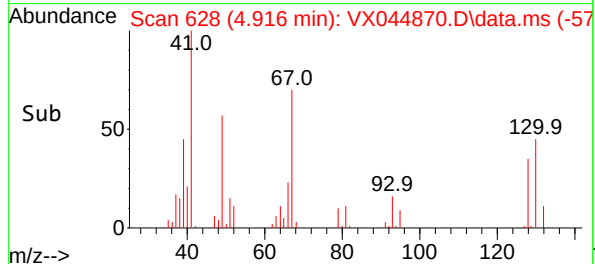
Instrument :
MSVOA_X
Client Sample Id :
VSTDICC020



Tgt Ion: 41 Resp: 2734
Ion Ratio Lower Upper
41 100
39 55.9 43.1 64.7
67 78.6 57.0 85.6
52 31.4 24.0 36.0

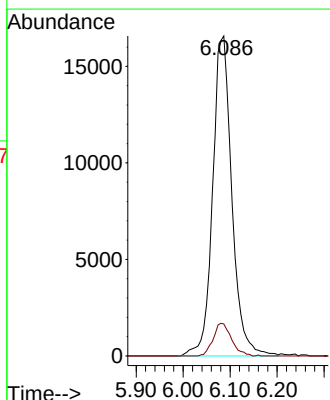
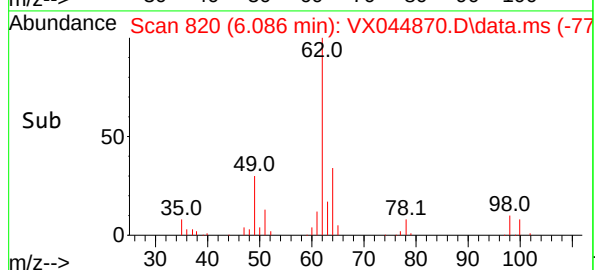
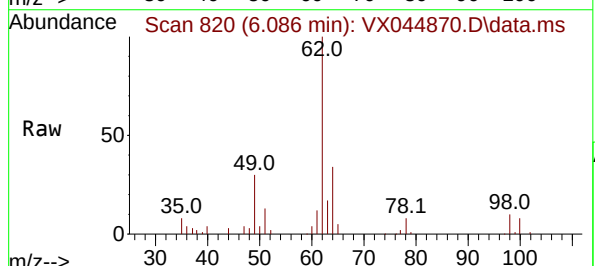
Manual Integrations
APPROVED

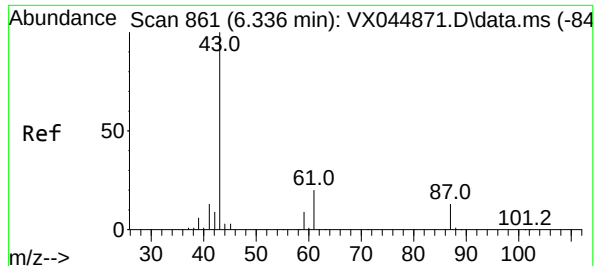
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.343 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

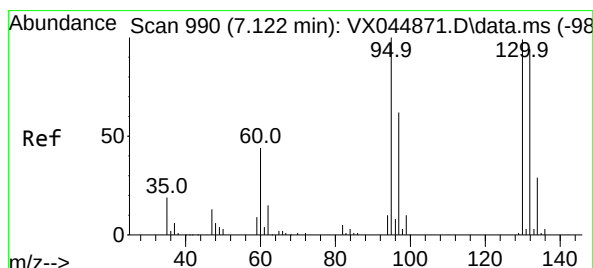
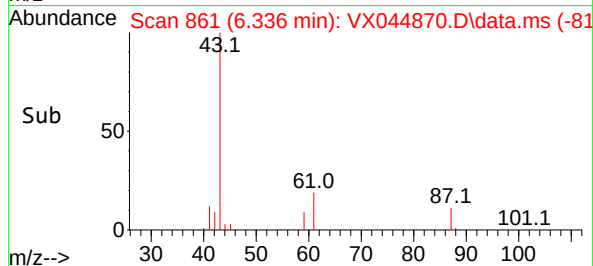
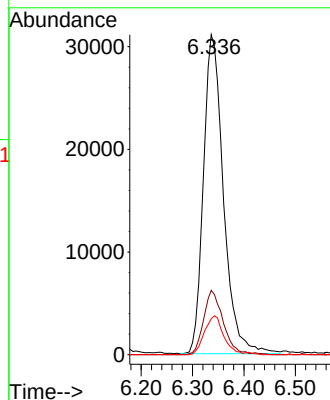
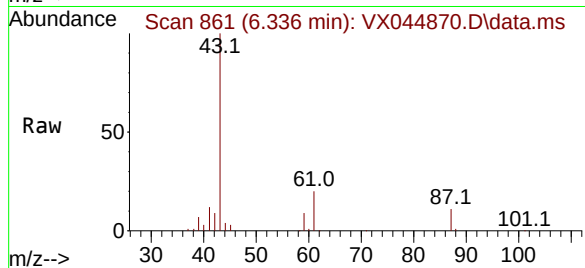
VSTDIC020

Tgt Ion:	43	Resp:	84300
Ion Ratio	Lower	Upper	
43	100		
61	19.5	15.8	23.8
87	11.6	10.0	15.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 21.910 ug/l

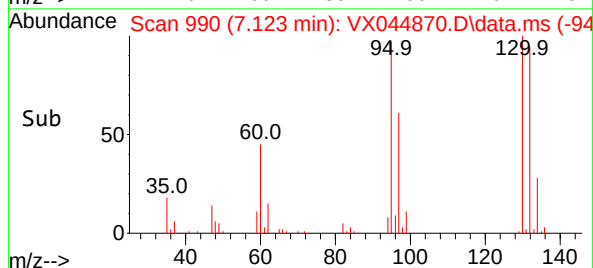
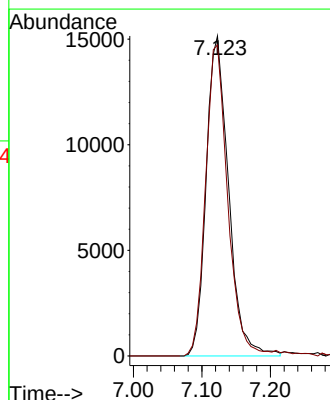
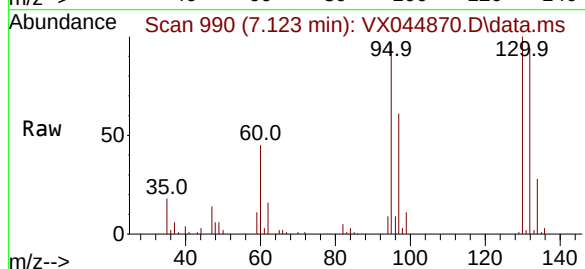
RT: 7.123 min Scan# 990

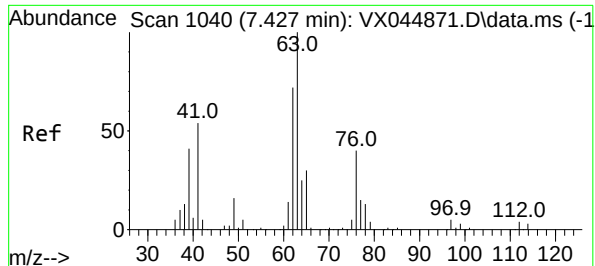
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	130	Resp:	34390
Ion Ratio	Lower	Upper	
130	100		
95	97.2	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.371 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 36510

Ion Ratio Lower Upper

63 100

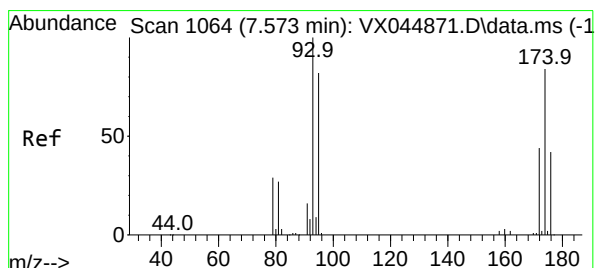
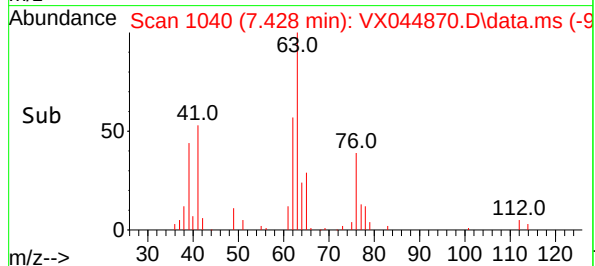
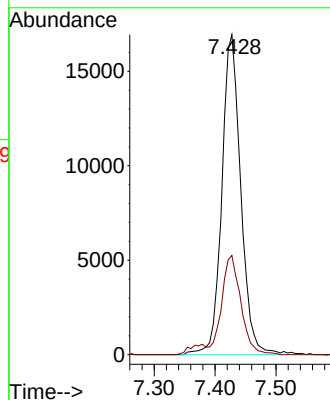
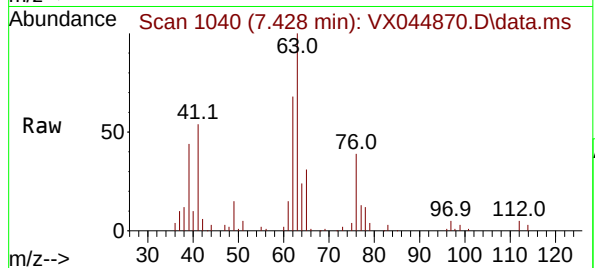
65 31.0 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 21.354 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

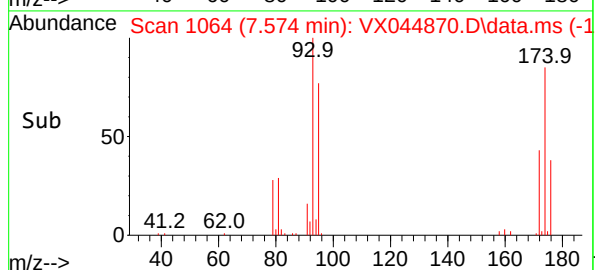
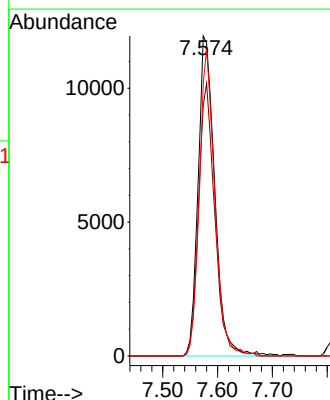
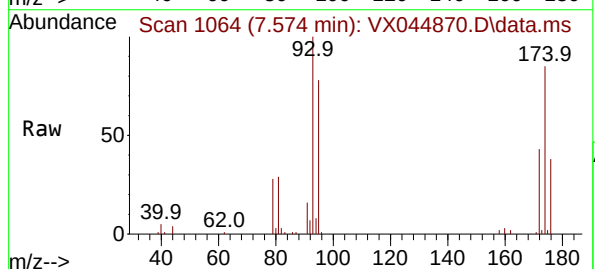
Tgt Ion: 93 Resp: 25300

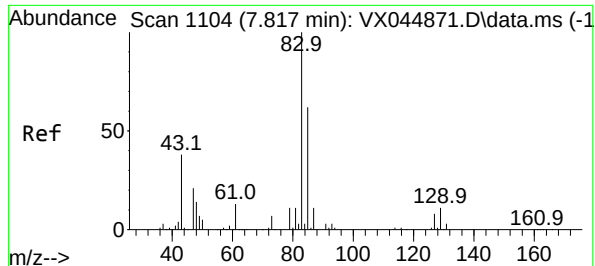
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.6 69.9 104.9





#47

Bromodichloromethane

Concen: 21.012 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

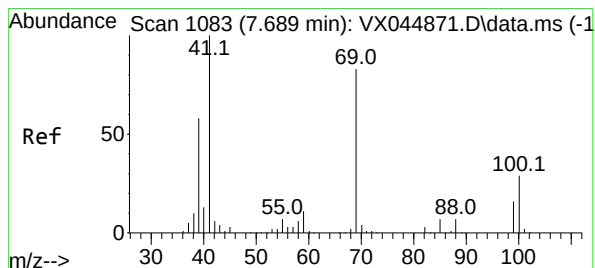
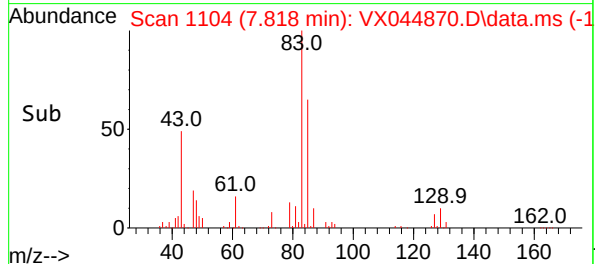
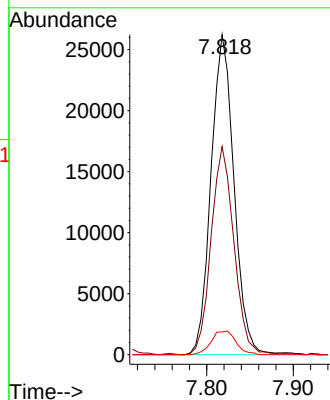
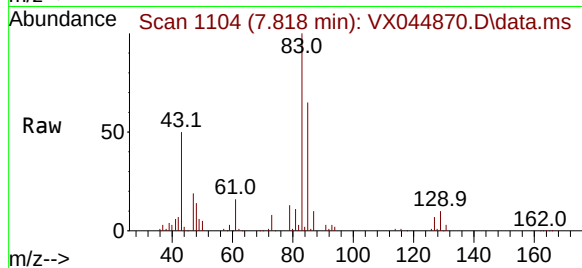
Tgt Ion: 83 Resp: 4820

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0
127	7.1	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 21.341 ug/l

RT: 7.690 min Scan# 1083

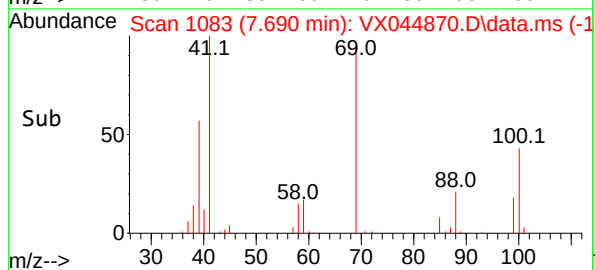
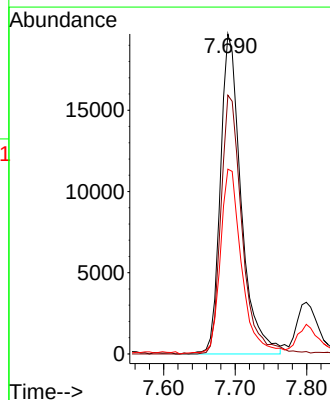
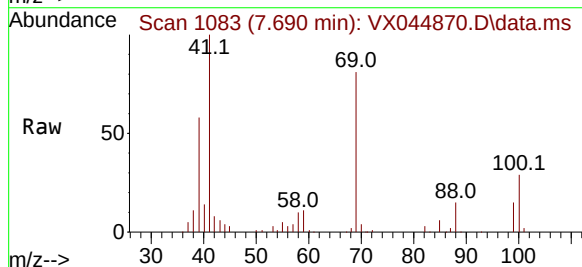
Delta R.T. 0.000 min

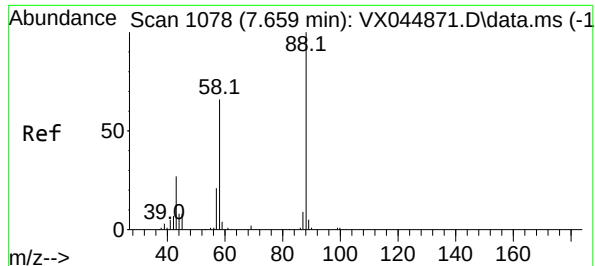
Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 39747

Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.8	98.8
39	58.2	46.4	69.6





#49

1,4-Dioxane

Concen: 429.262 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

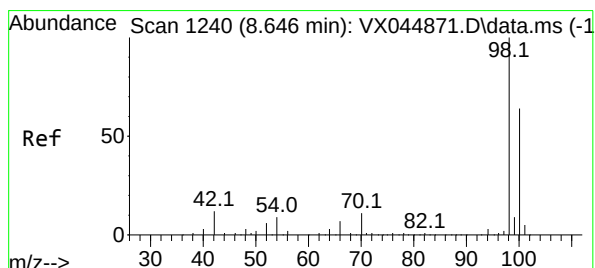
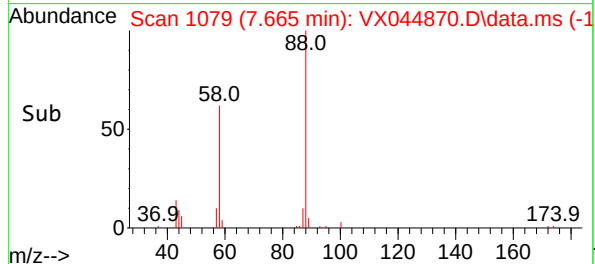
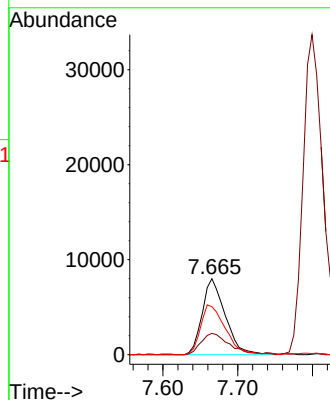
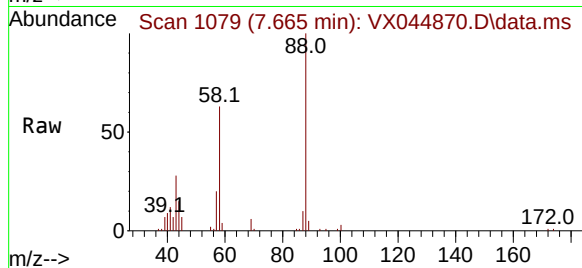
VSTDIC020

Tgt Ion:	88	Resp:	1715
Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 20.321 ug/l

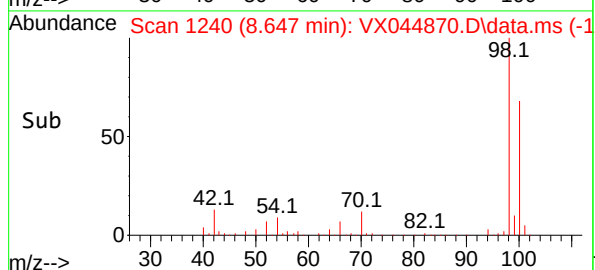
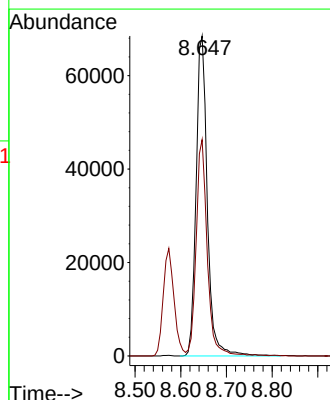
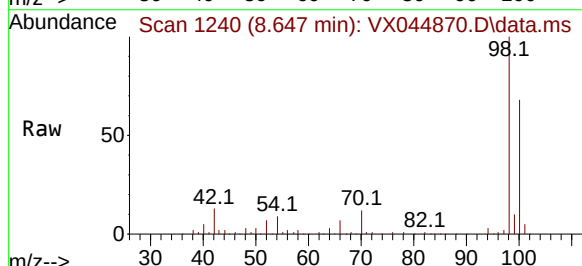
RT: 8.647 min Scan# 1240

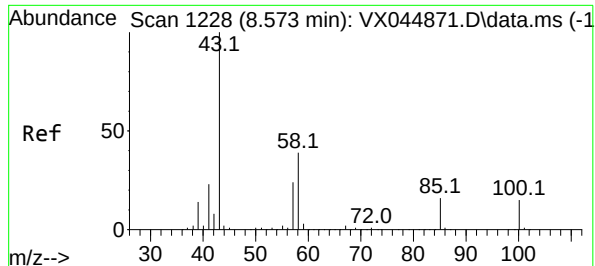
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	98	Resp:	117127
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 109.684 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 263394

Ion Ratio Lower Upper

43 100

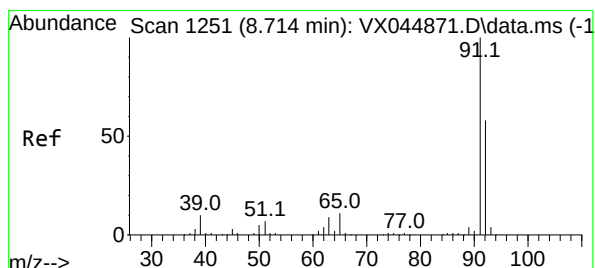
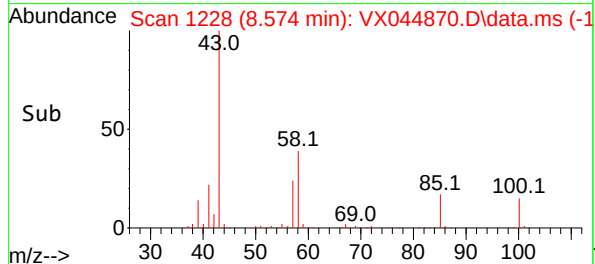
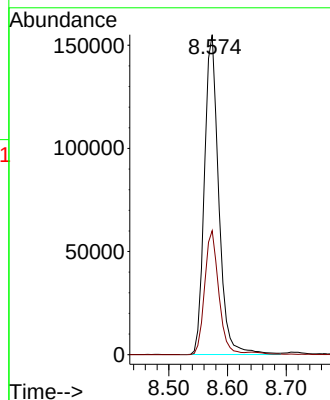
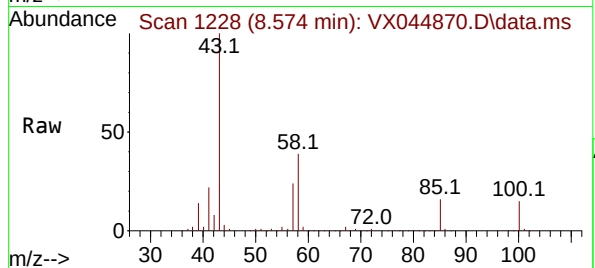
58 38.1 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 21.940 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044870.D

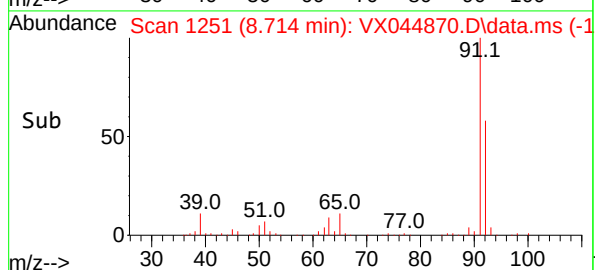
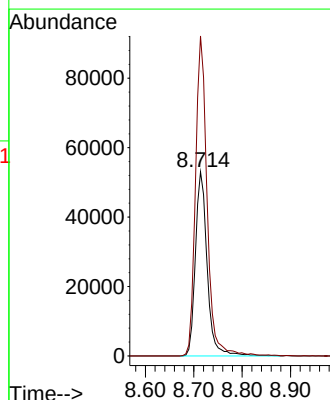
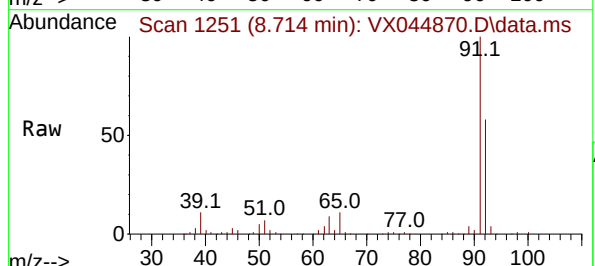
Acq: 10 Feb 2025 11:11

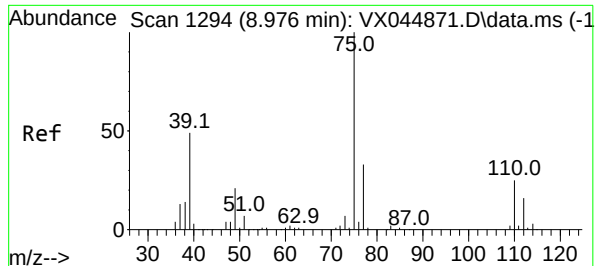
Tgt Ion: 92 Resp: 89726

Ion Ratio Lower Upper

92 100

91 171.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.940 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 4861

Ion Ratio Lower Upper

75 100

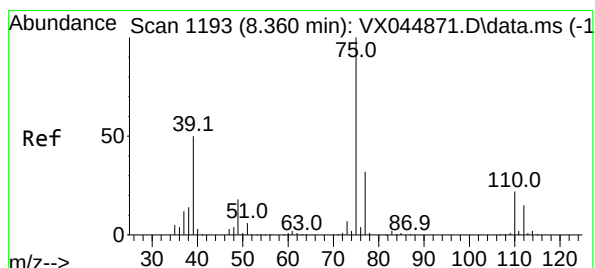
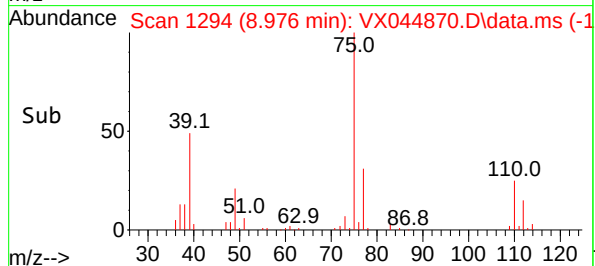
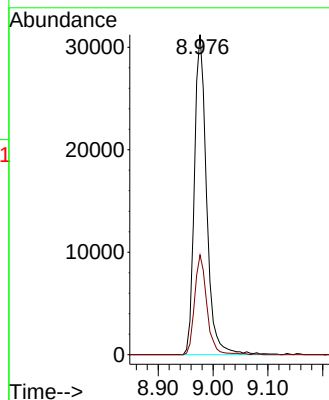
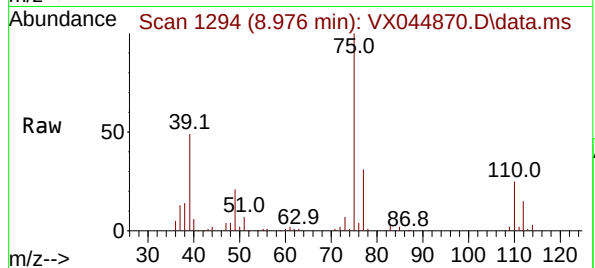
77 31.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 21.259 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

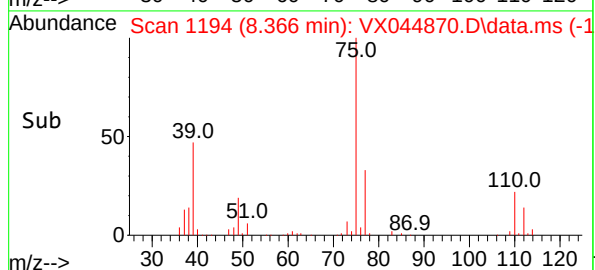
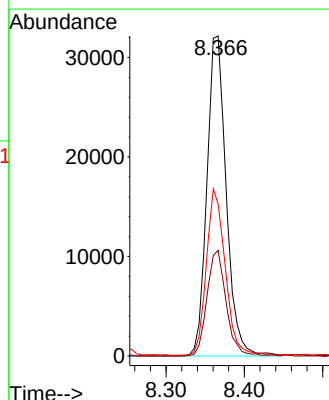
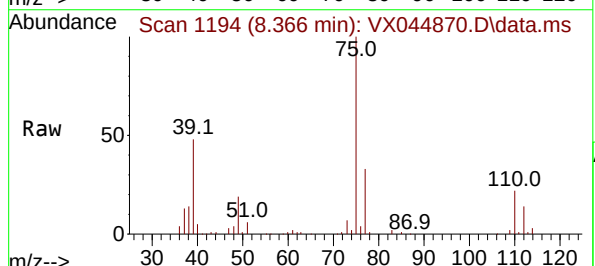
Tgt Ion: 75 Resp: 55026

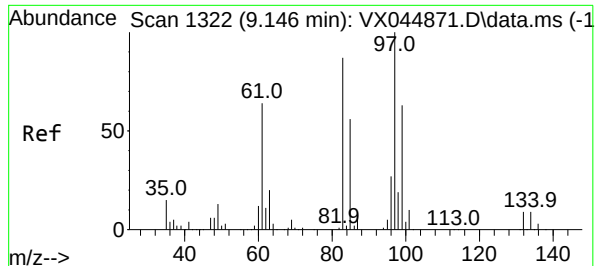
Ion Ratio Lower Upper

75 100

77 33.0 25.3 37.9

39 47.3 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.582 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 33930

Ion Ratio Lower Upper

97 100

83 89.3 69.8 104.6

85 58.3 44.8 67.2

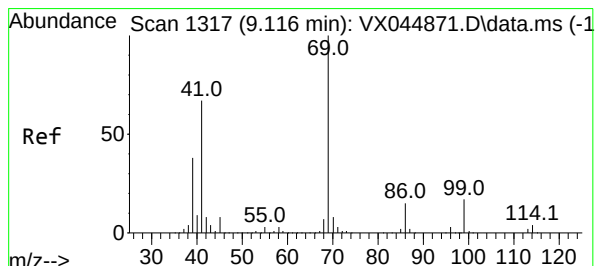
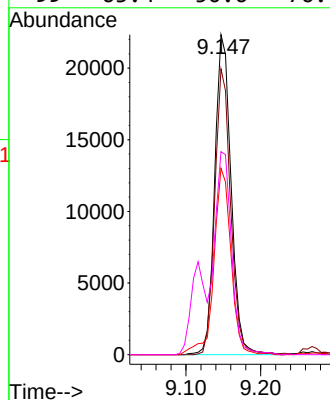
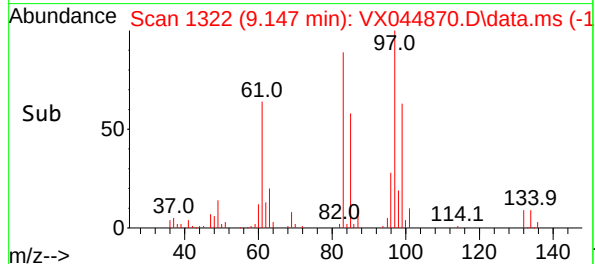
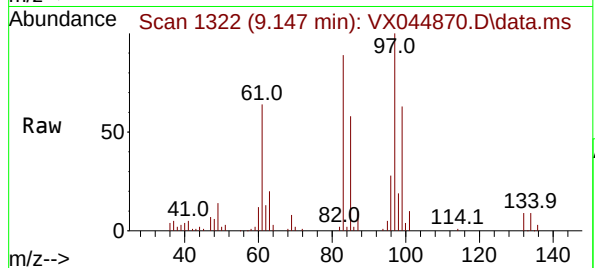
99 63.4 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 21.533 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

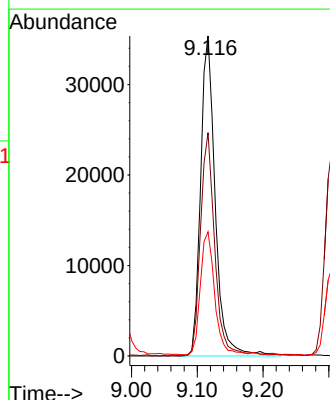
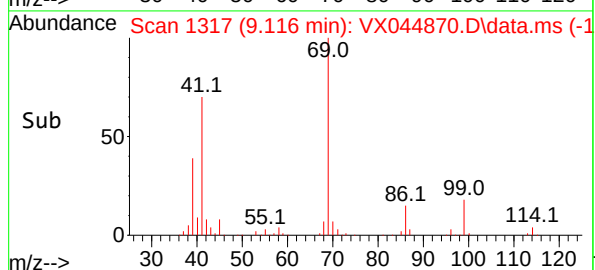
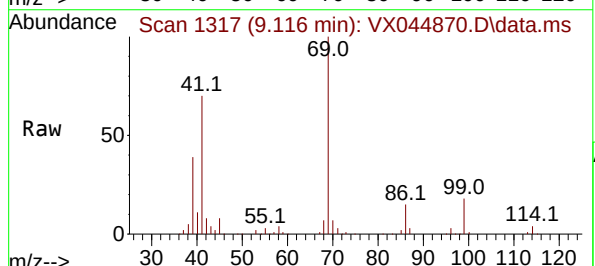
Tgt Ion: 69 Resp: 54674

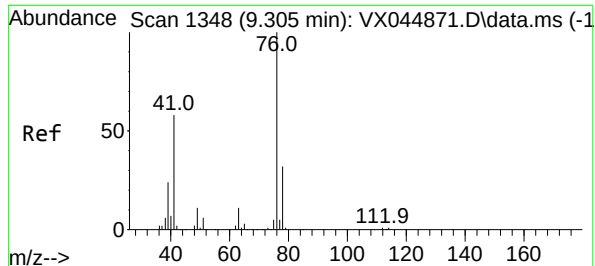
Ion Ratio Lower Upper

69 100

41 68.4 55.2 82.8

39 37.4 30.8 46.2





#57

1,3-Dichloropropane

Concen: 21.841 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 60079

Ion Ratio Lower Upper

76 100

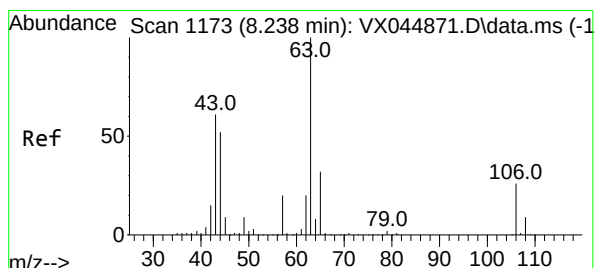
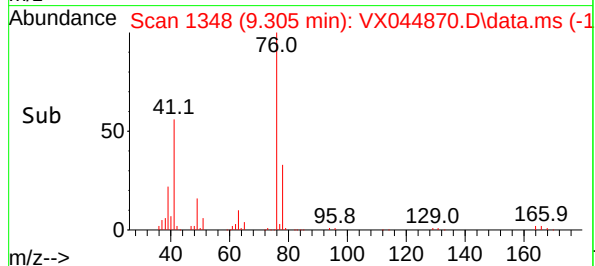
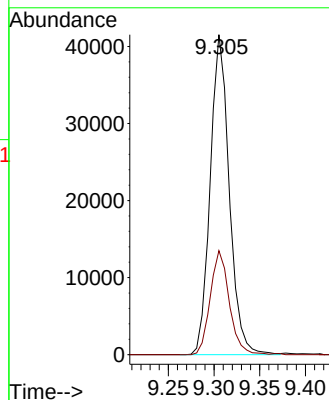
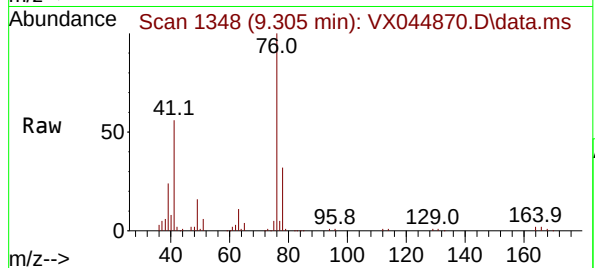
78 32.6 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 106.736 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044870.D

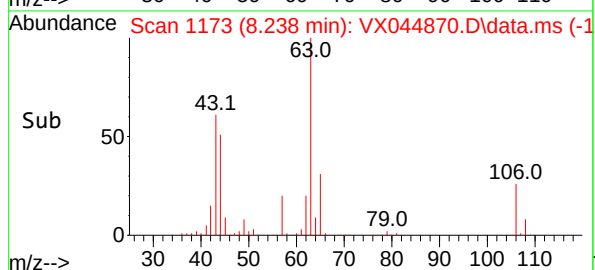
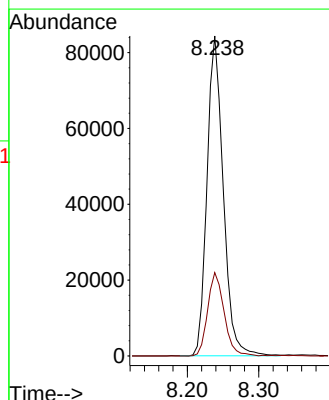
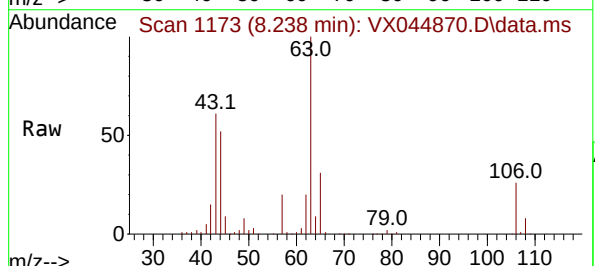
Acq: 10 Feb 2025 11:11

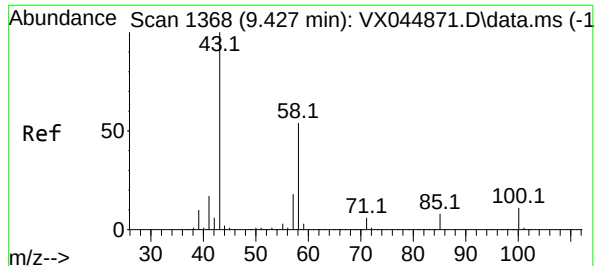
Tgt Ion: 63 Resp: 133072

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 110.072 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 190449

Ion Ratio Lower Upper

43 100

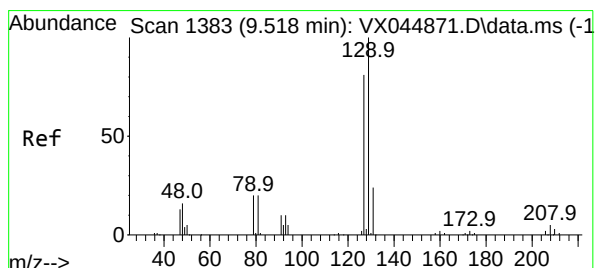
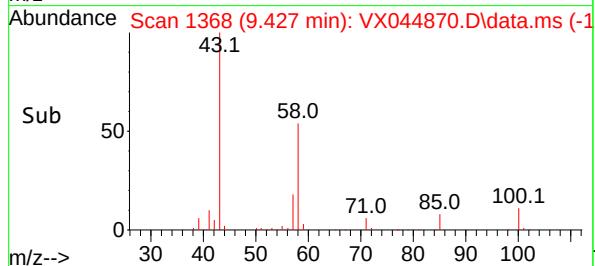
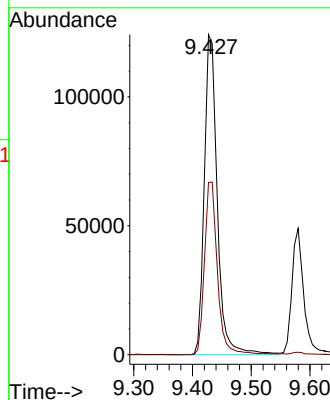
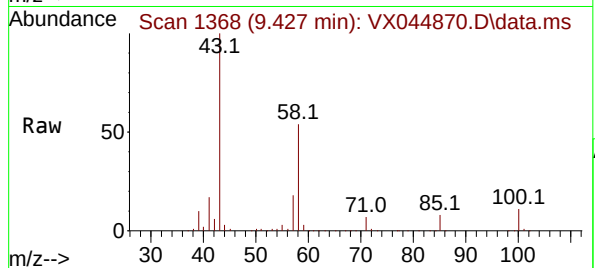
58 53.5 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 21.237 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044870.D

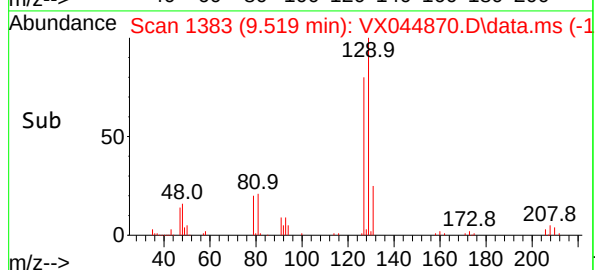
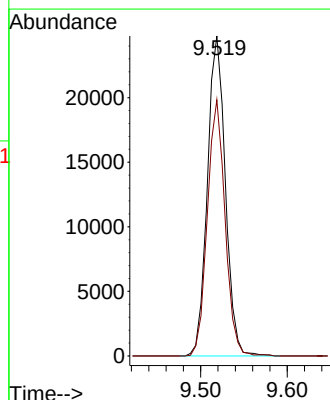
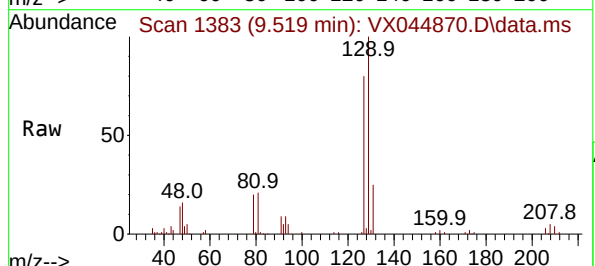
Acq: 10 Feb 2025 11:11

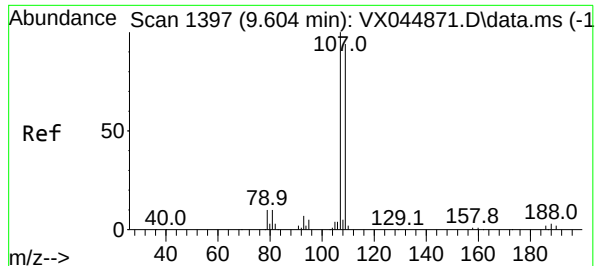
Tgt Ion:129 Resp: 35706

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.628 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:107 Resp: 3446

Ion Ratio Lower Upper

107 100

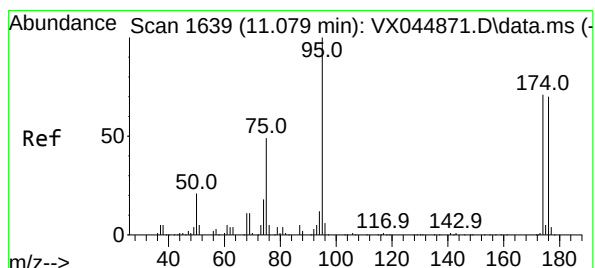
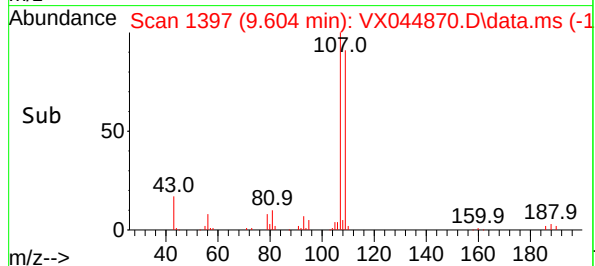
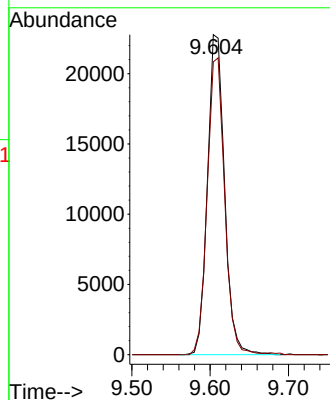
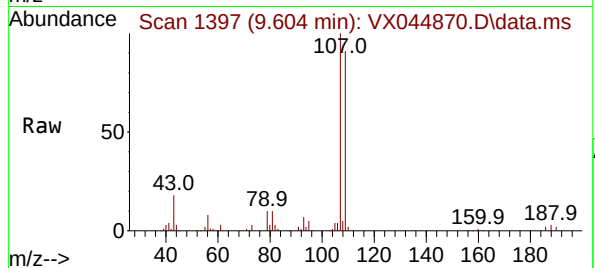
109 94.5 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#62

4-Bromofluorobenzene

Concen: 19.800 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

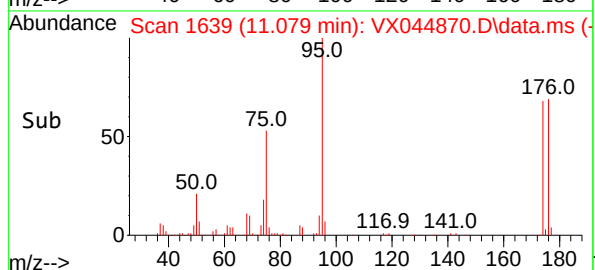
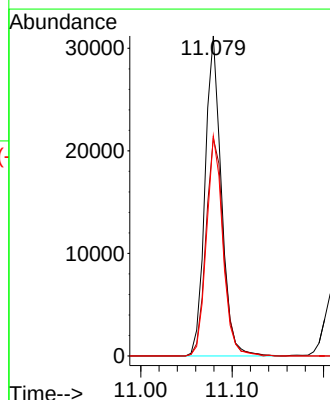
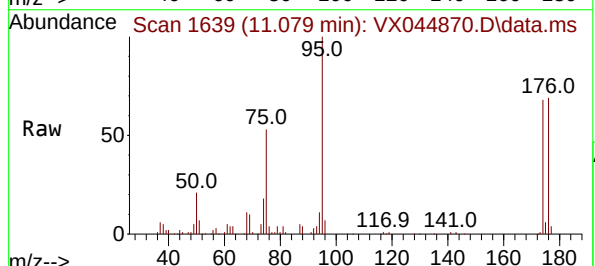
Tgt Ion: 95 Resp: 38475

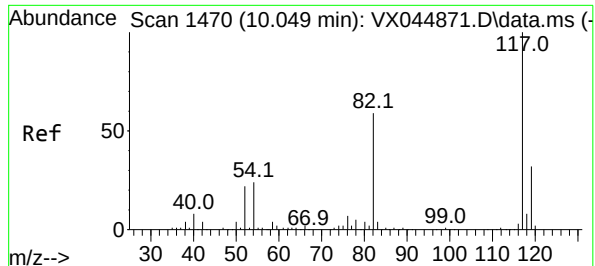
Ion Ratio Lower Upper

95 100

174 73.5 0.0 142.6

176 69.0 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

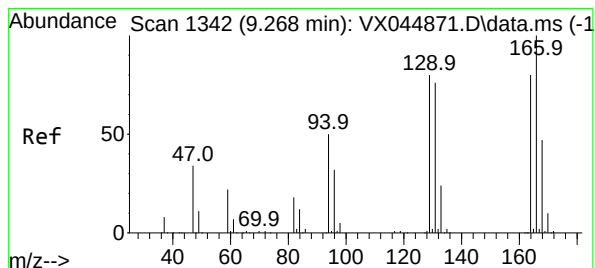
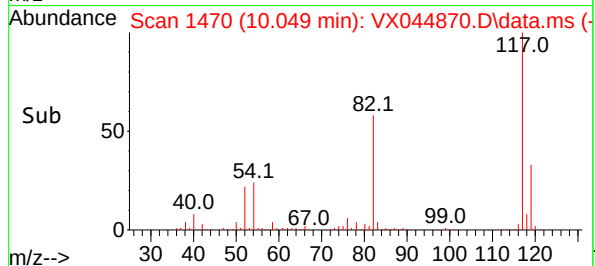
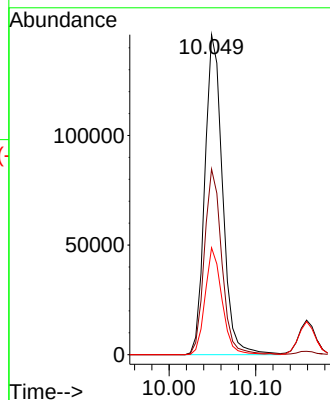
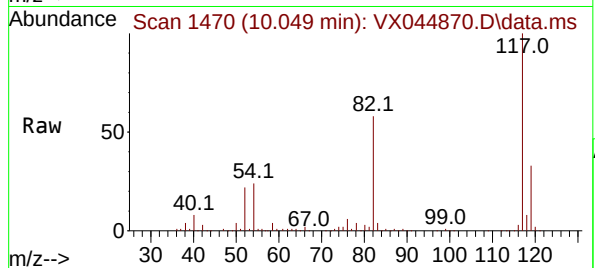
VSTDIC020

Tgt Ion:117	Resp: 20766
Ion Ratio	Lower Upper
117 100	
82 58.0	47.5 71.3
119 33.4	25.4 38.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 21.776 ug/l

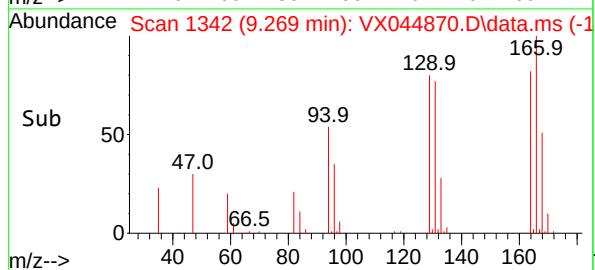
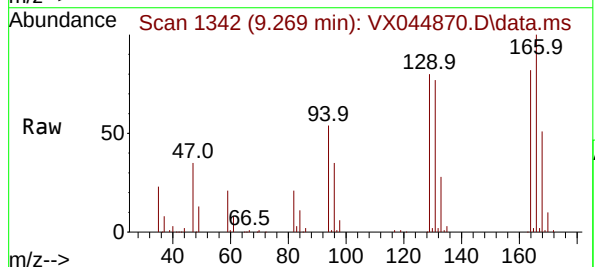
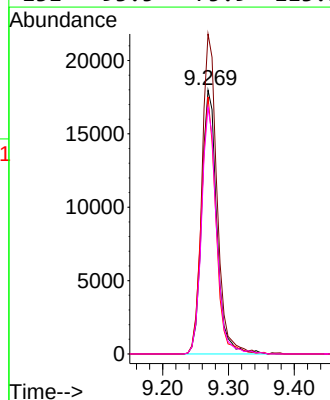
RT: 9.269 min Scan# 1342

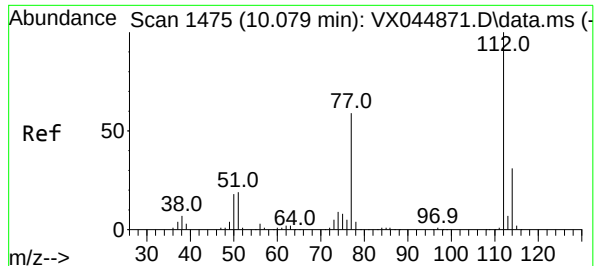
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:164	Resp: 28519
Ion Ratio	Lower Upper
164 100	
166 121.4	100.4 150.6
129 97.6	79.9 119.9
131 93.5	75.9 113.9





#65

Chlorobenzene

Concen: 21.230 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 9469

Ion Ratio Lower Upper

112 100

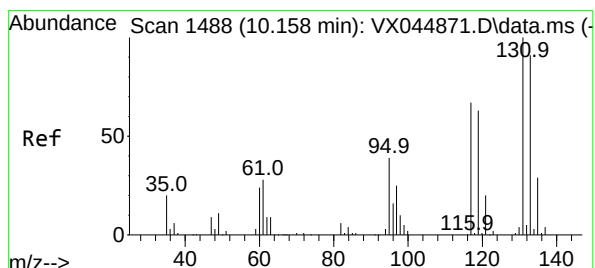
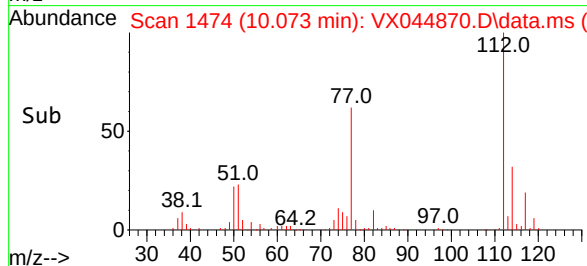
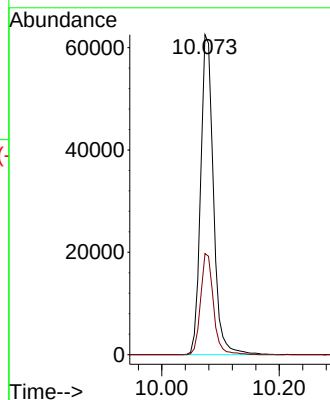
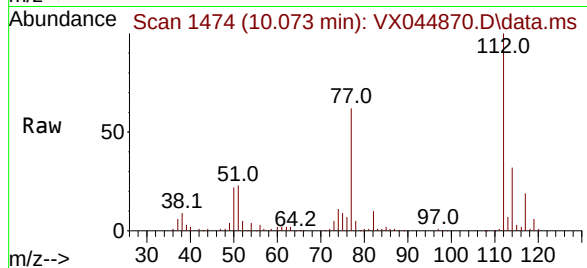
114 31.6 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 21.136 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

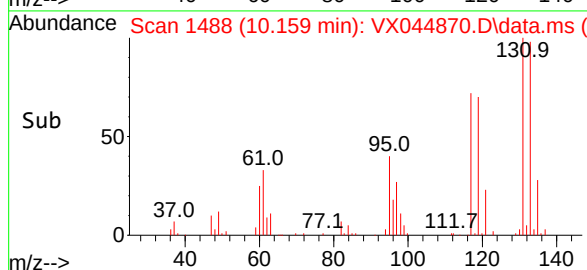
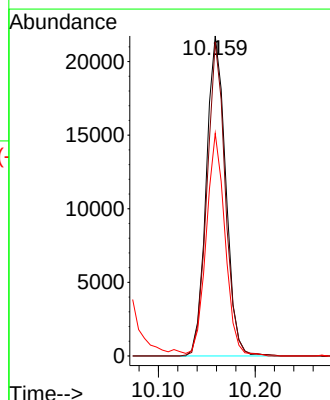
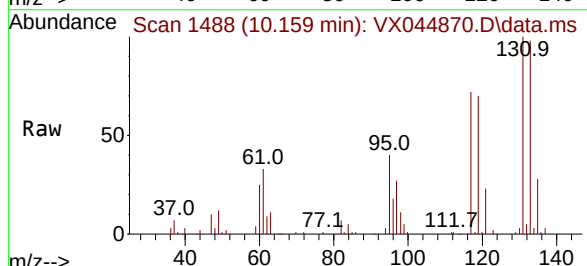
Tgt Ion:131 Resp: 30344

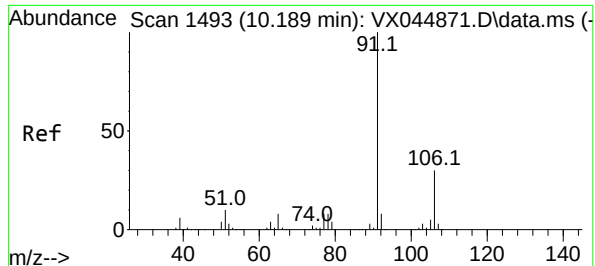
Ion Ratio Lower Upper

131 100

133 92.9 47.1 141.3

119 67.4 33.6 100.6





#67

Ethyl Benzene

Concen: 21.327 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 16786

Ion Ratio Lower Upper

91 100

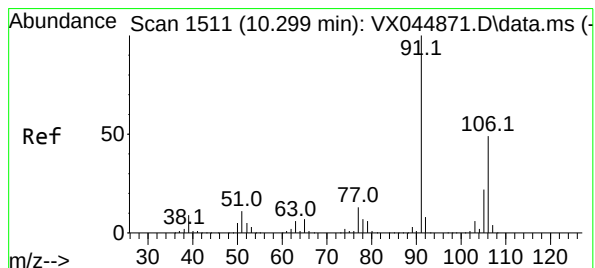
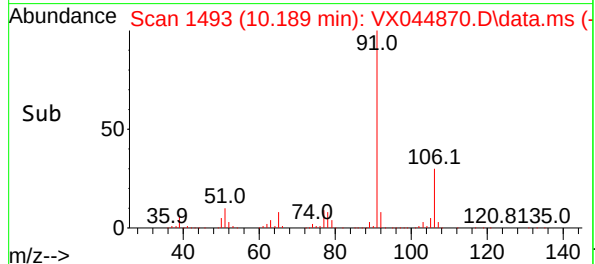
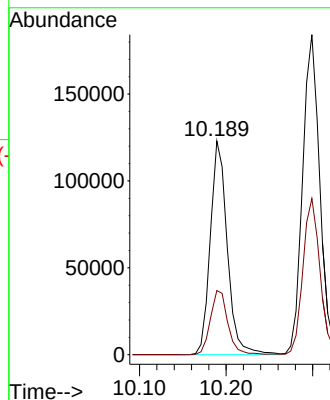
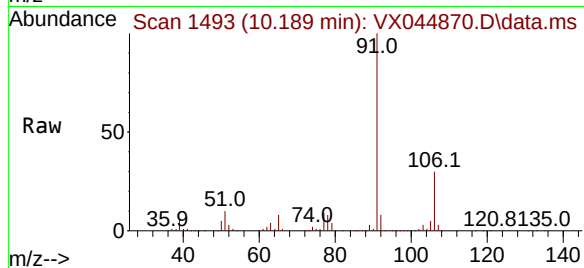
106 30.0 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 43.144 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044870.D

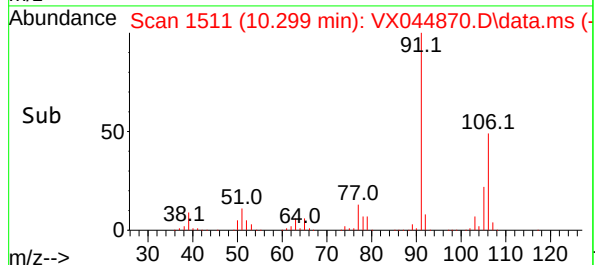
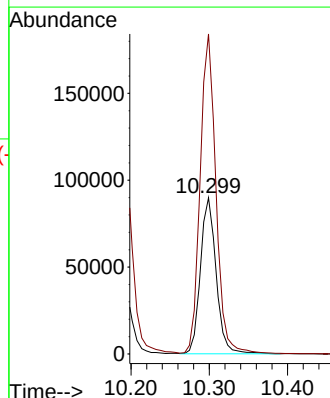
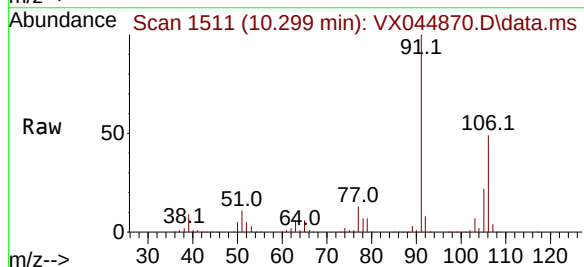
Acq: 10 Feb 2025 11:11

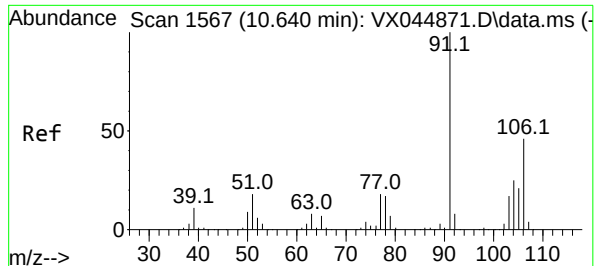
Tgt Ion:106 Resp: 125271

Ion Ratio Lower Upper

106 100

91 206.3 164.3 246.5





#69

o-Xylene

Concen: 21.310 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:106 Resp: 6208

Ion Ratio Lower Upper

106 100

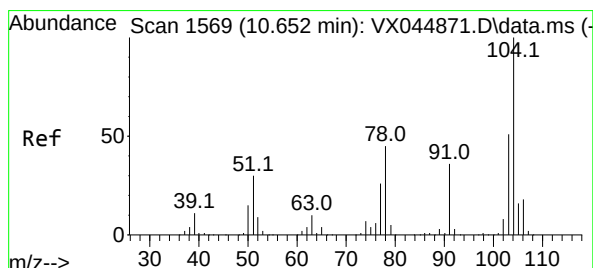
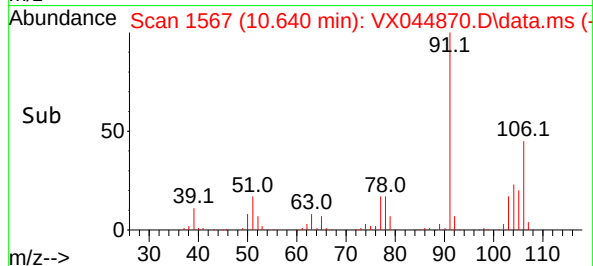
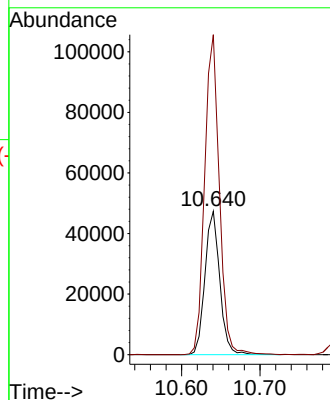
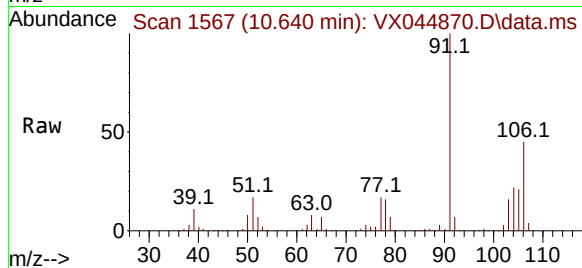
91 221.5 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 22.101 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

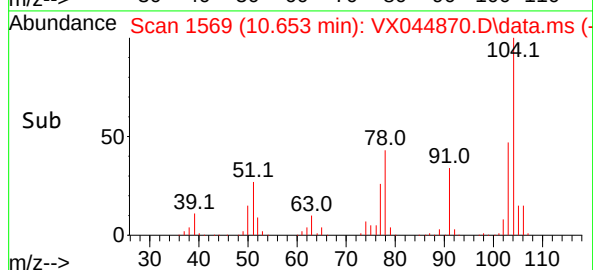
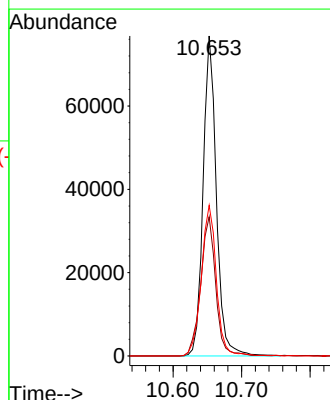
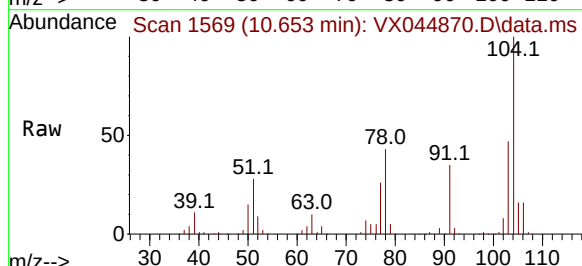
Tgt Ion:104 Resp: 103740

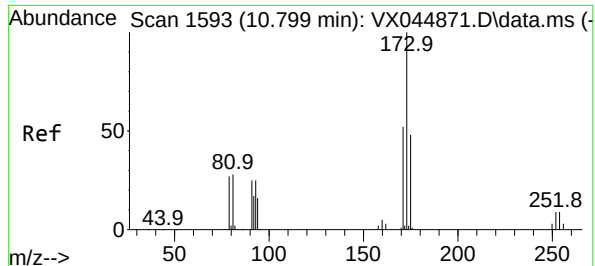
Ion Ratio Lower Upper

104 100

78 49.2 40.5 60.7

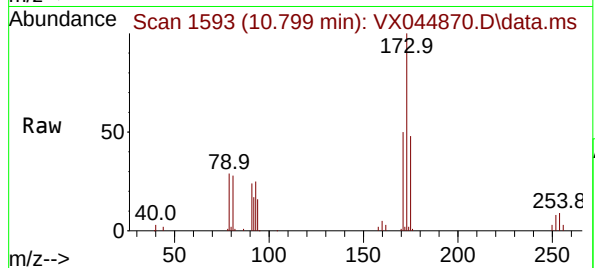
103 53.5 43.6 65.4





#71
Bromoform
Concen: 21.086 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

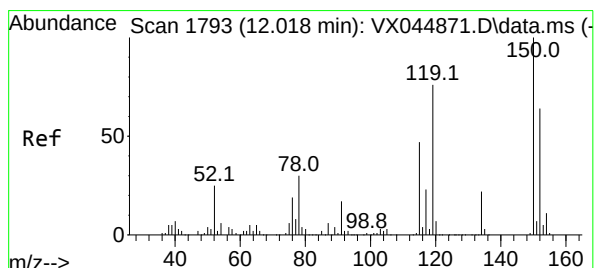
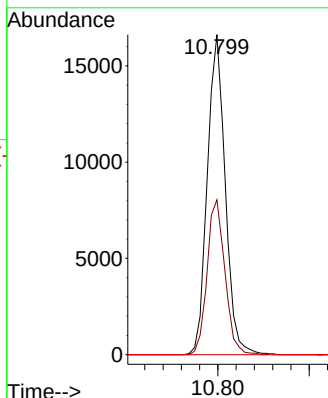
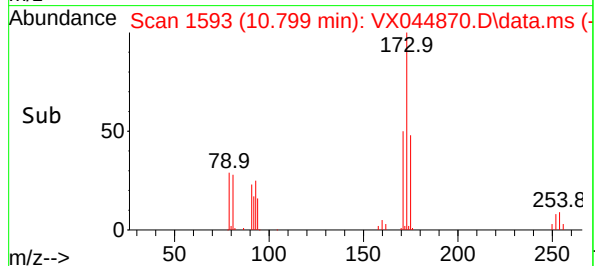
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



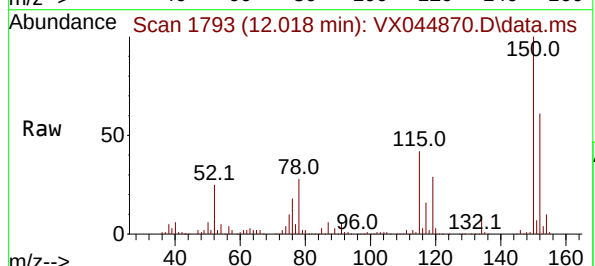
Tgt Ion:173 Resp: 22592
Ion Ratio Lower Upper
173 100
175 48.0 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
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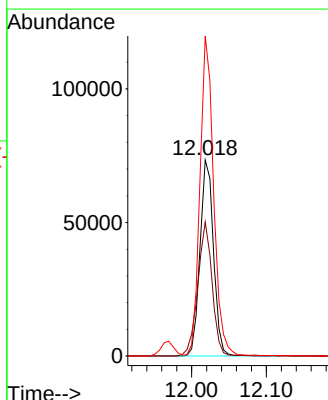
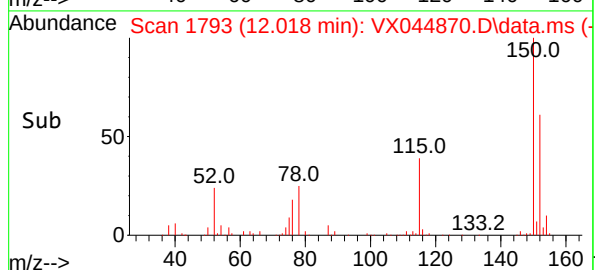
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

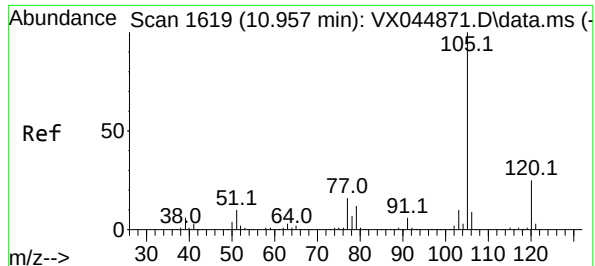


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11



Tgt Ion:152 Resp: 92093
Ion Ratio Lower Upper
152 100
115 72.4 43.4 130.1
150 164.8 0.0 350.4





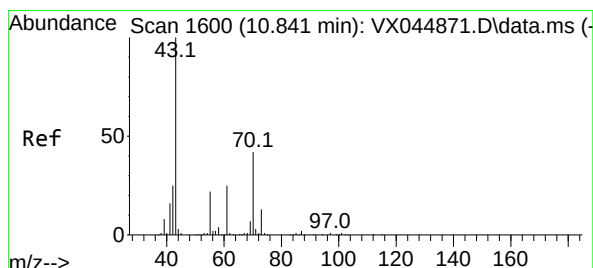
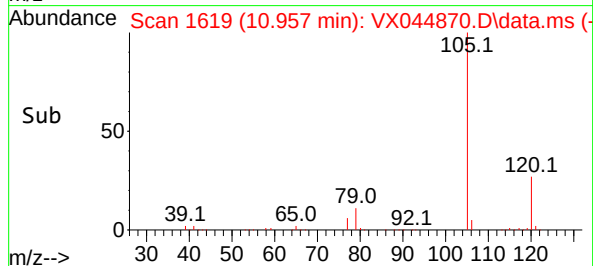
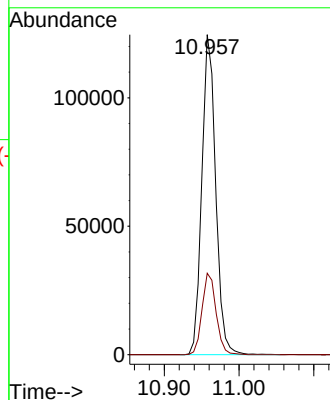
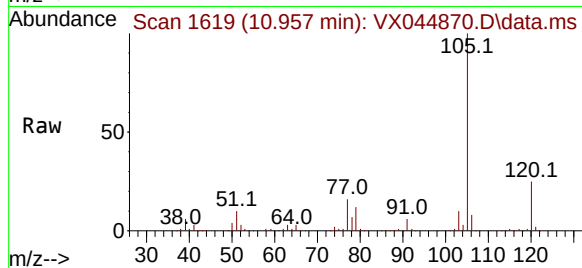
#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:105 Resp: 16014
Ion Ratio Lower Upper
105 100
120 25.7 13.2 39.5

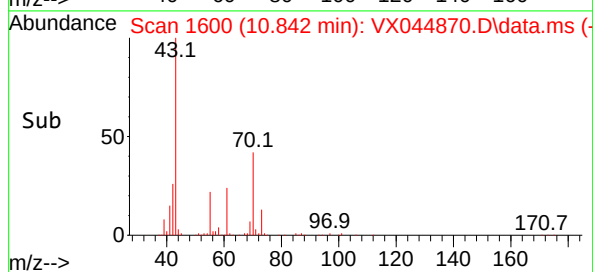
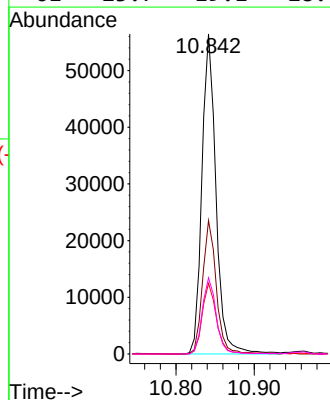
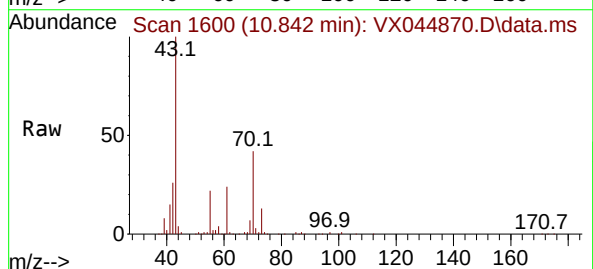
Manual Integrations
APPROVED

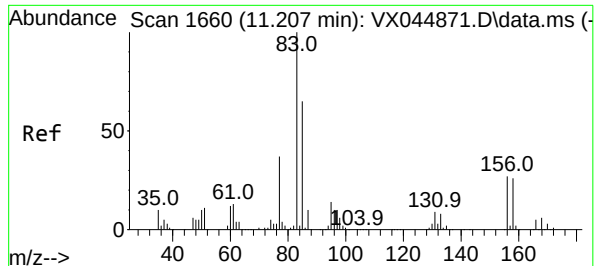
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542
Ion Ratio Lower Upper
43 100
70 40.7 33.7 50.5
55 22.4 18.6 27.8
61 23.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.787 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

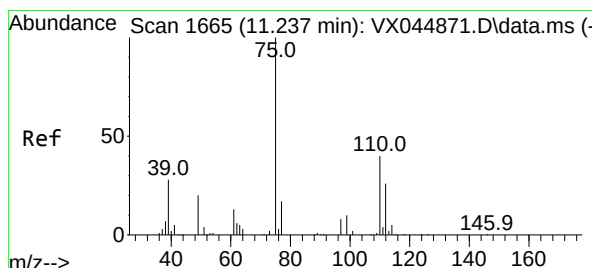
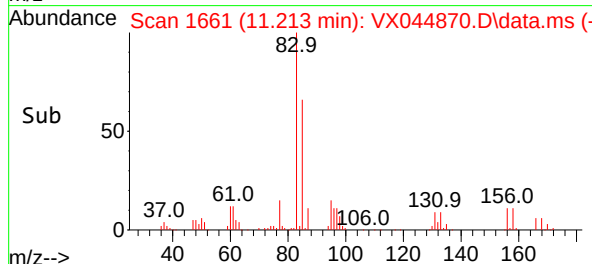
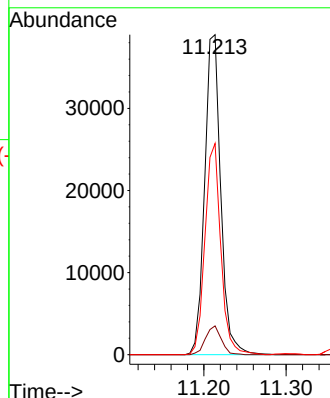
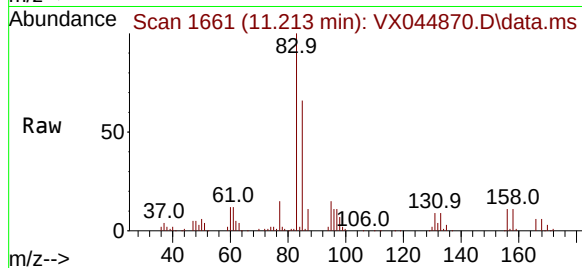
VSTDICC020

Tgt Ion:	83	Resp:	5296
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.5
85	65.1	32.3	96.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#76

1,2,3-Trichloropropane

Concen: 20.589 ug/l m

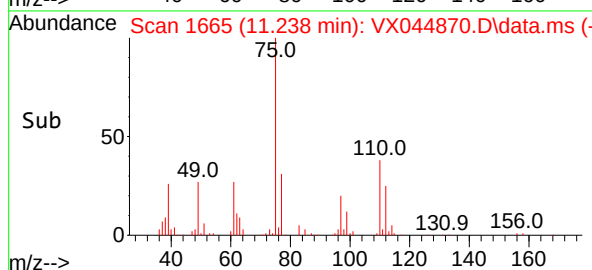
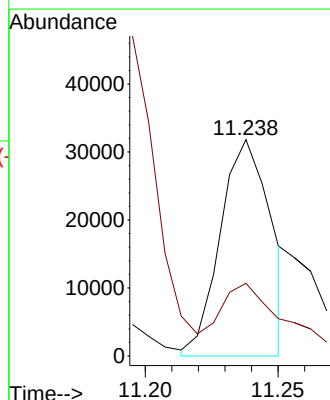
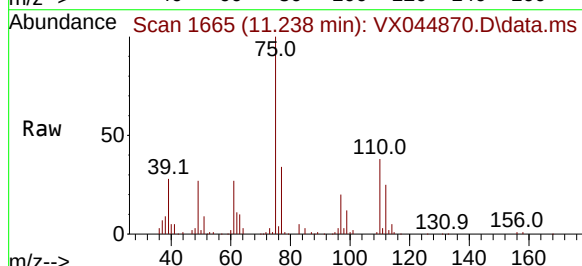
RT: 11.238 min Scan# 1665

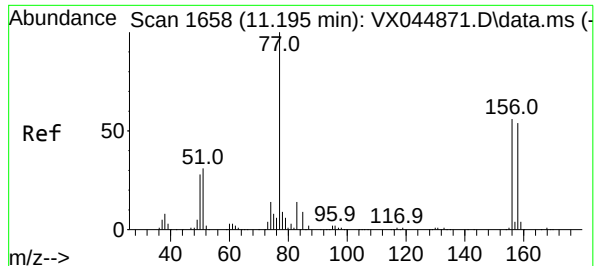
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

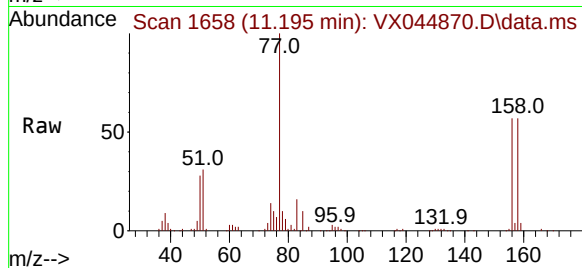
Tgt Ion:	75	Resp:	42040
Ion Ratio	Lower	Upper	
75	100		
77	43.7	21.9	65.7





#77
Bromobenzene
Concen: 21.426 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

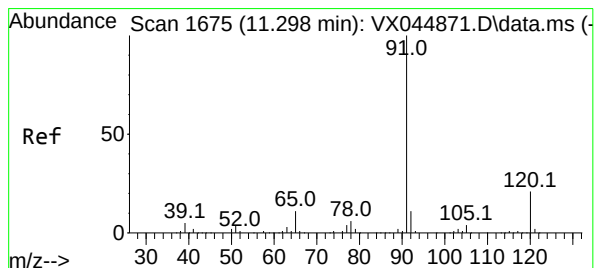
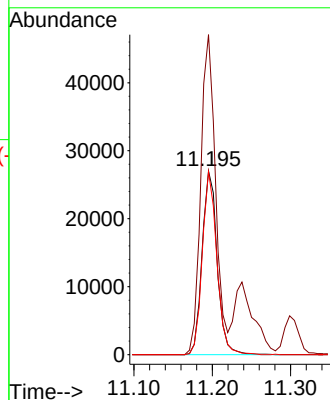
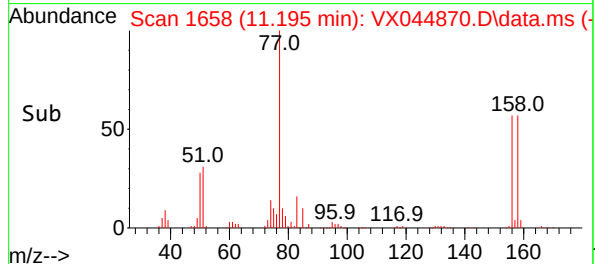
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



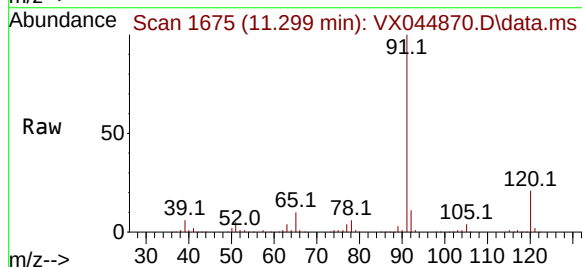
Tgt Ion: 156 Resp: 3602
Ion Ratio Lower Upper
156 100
77 171.1 88.4 265.3
158 96.8 48.4 145.2

Manual Integrations
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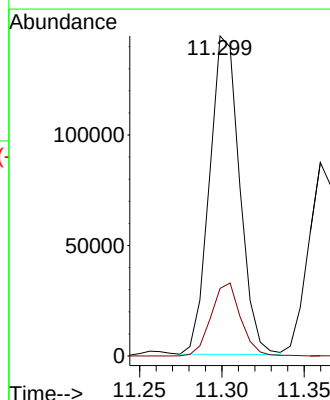
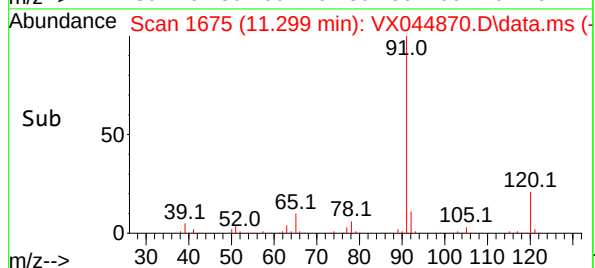
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

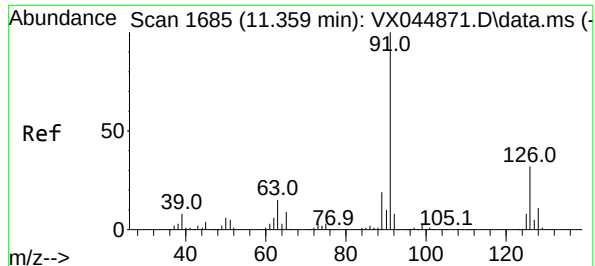


#78
n-propylbenzene
Concen: 21.406 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11



Tgt Ion: 91 Resp: 183212
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.3





#79

2-Chlorotoluene

Concen: 21.250 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 11178

Ion Ratio Lower Upper

91 100

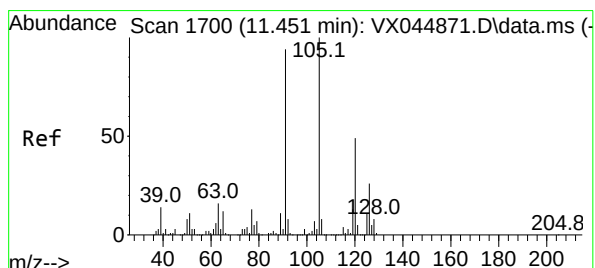
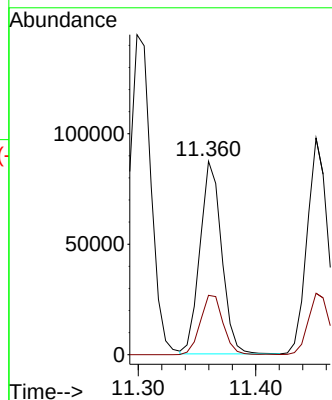
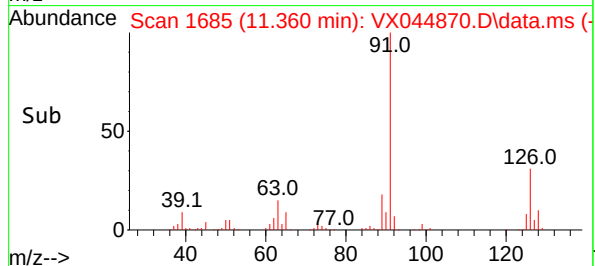
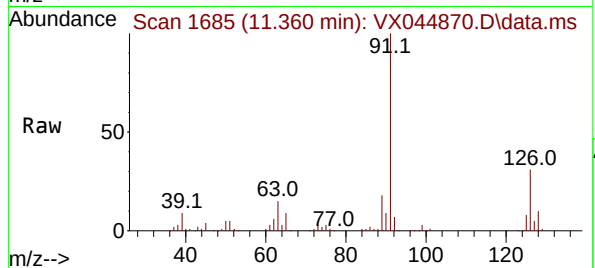
126 32.6 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 21.691 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044870.D

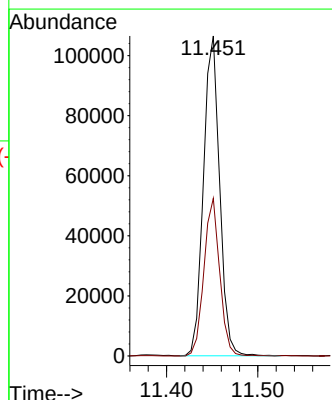
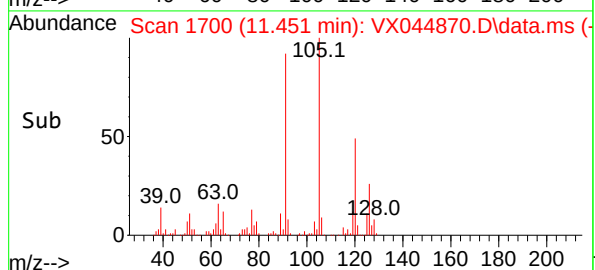
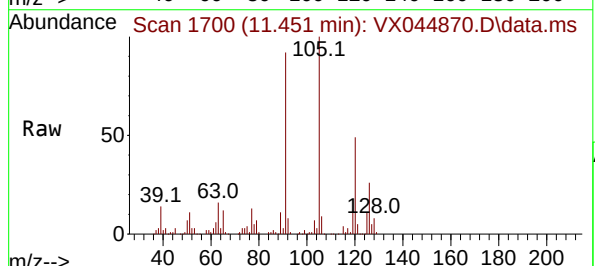
Acq: 10 Feb 2025 11:11

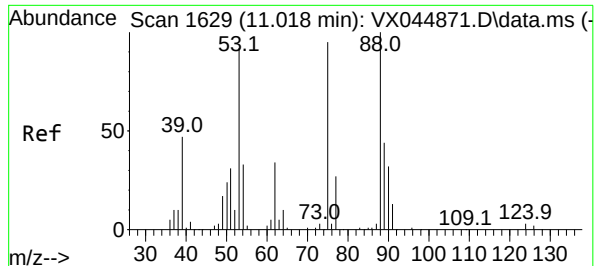
Tgt Ion:105 Resp: 130526

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





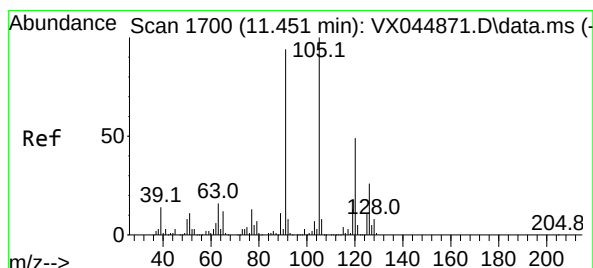
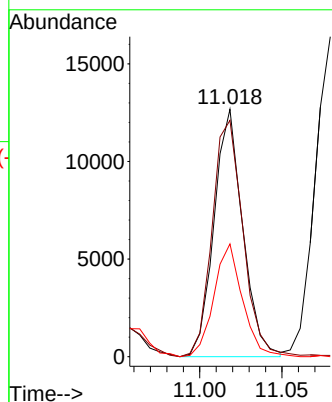
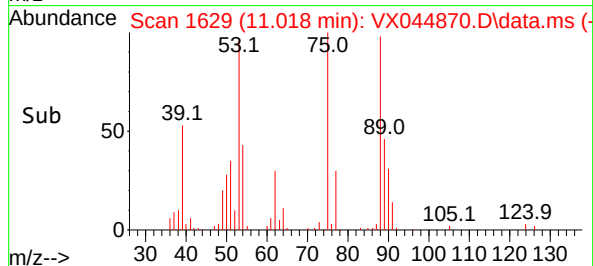
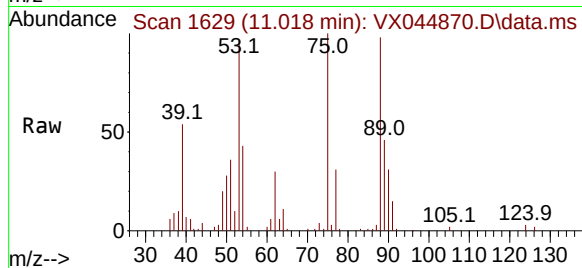
#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 15379
Ion Ratio Lower Upper
75 100
53 103.3 78.0 117.0
89 45.3 36.6 54.8

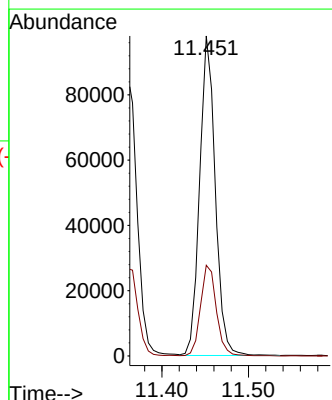
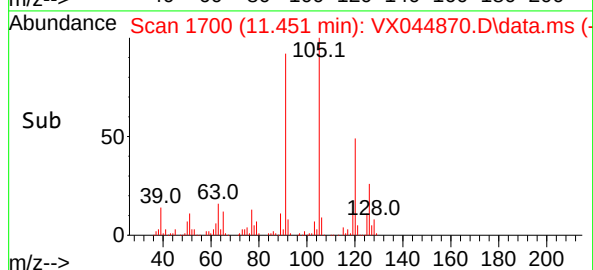
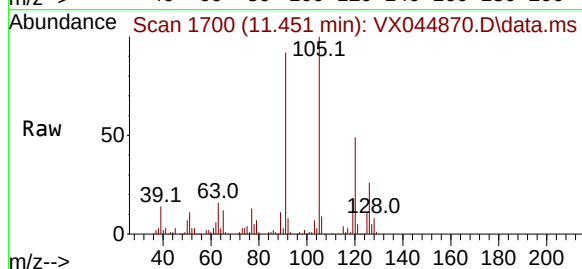
Manual Integrations
APPROVED

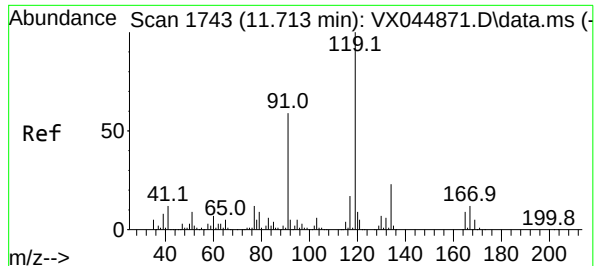
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 21.414 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:119 Resp: 130358

Ion Ratio Lower Upper

119 100

91 58.6 29.1 87.4

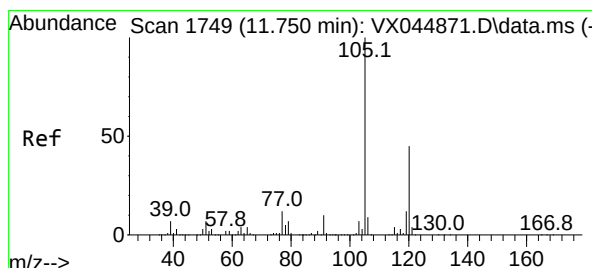
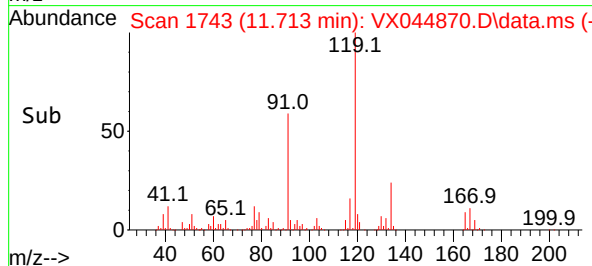
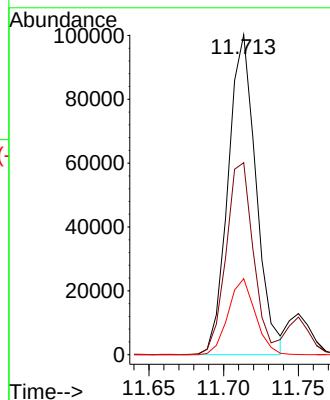
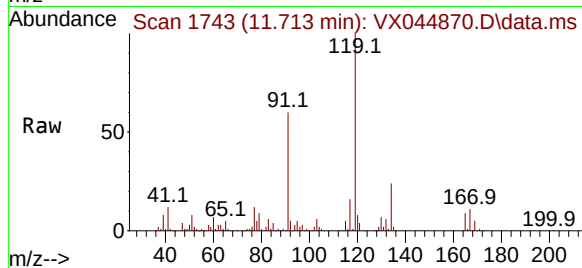
134 23.1 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 21.924 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044870.D

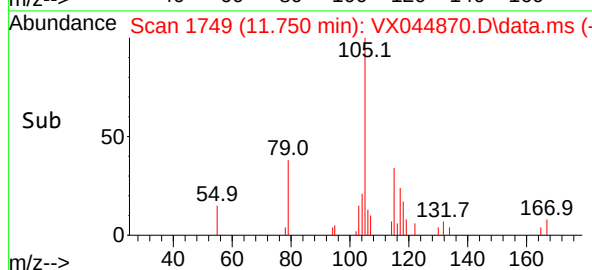
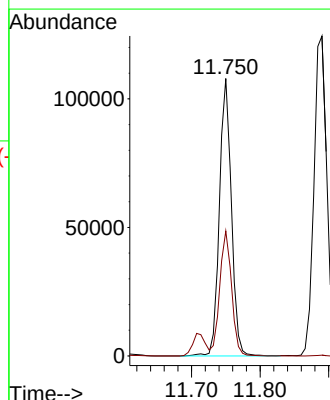
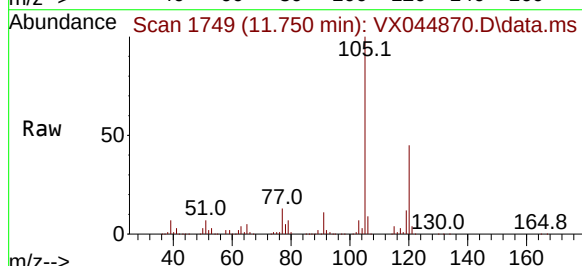
Acq: 10 Feb 2025 11:11

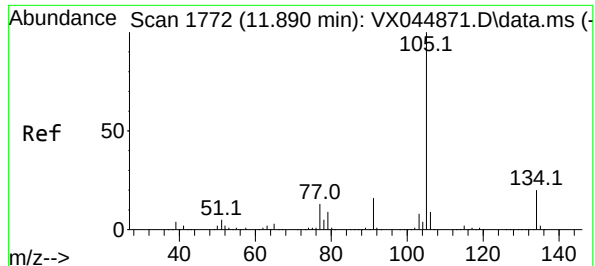
Tgt Ion:105 Resp: 130211

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.607 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 16287

Ion Ratio Lower Upper

105 100

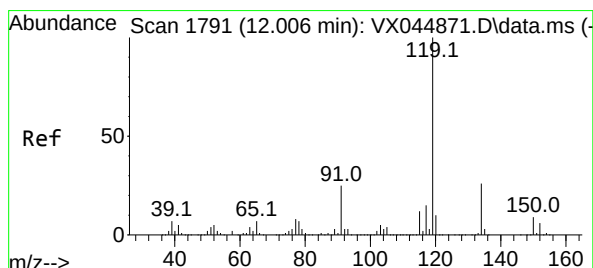
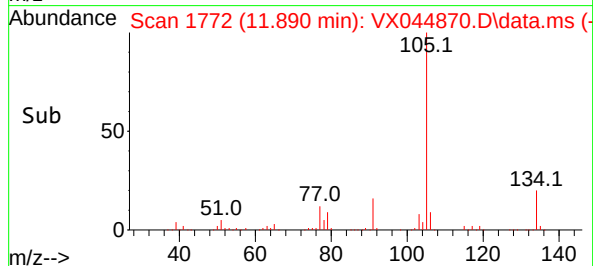
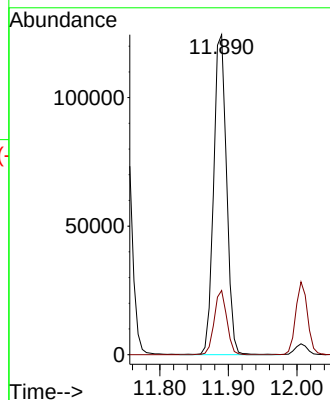
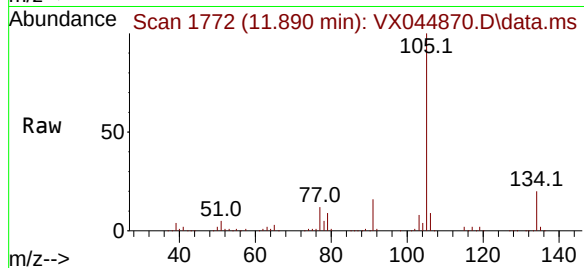
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 21.551 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

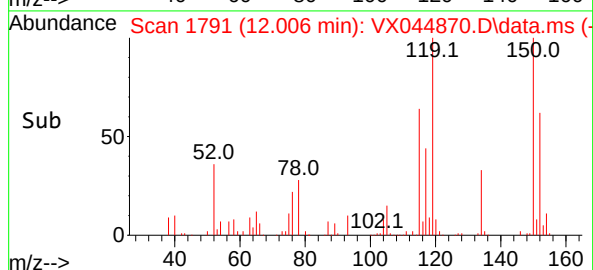
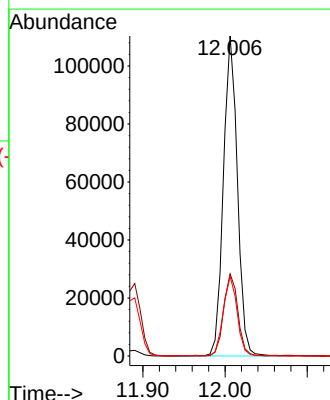
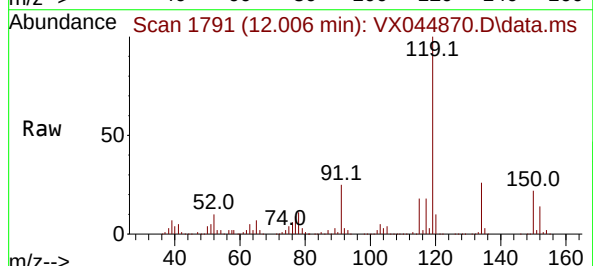
Tgt Ion:119 Resp: 130643

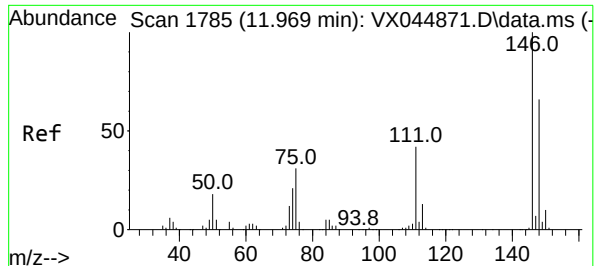
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 24.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.747 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 6414

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

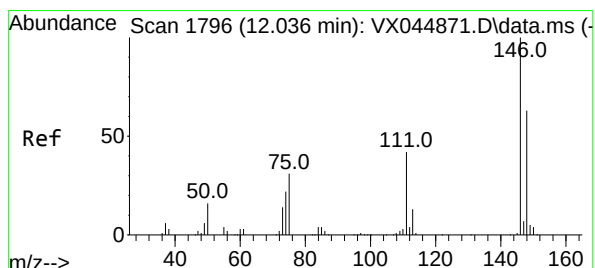
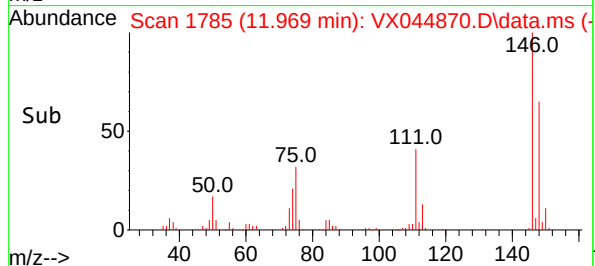
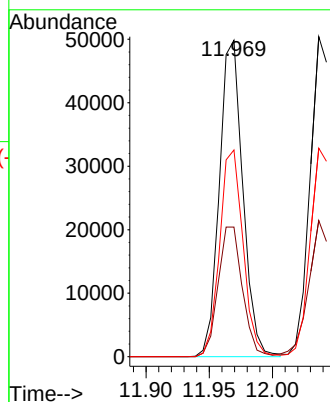
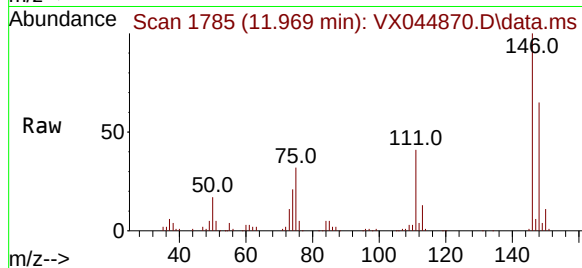
148 65.2 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 20.758 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

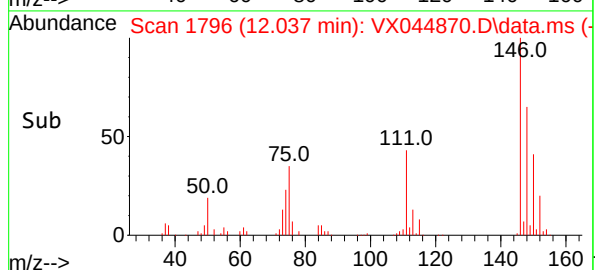
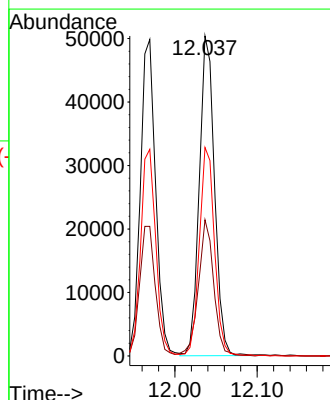
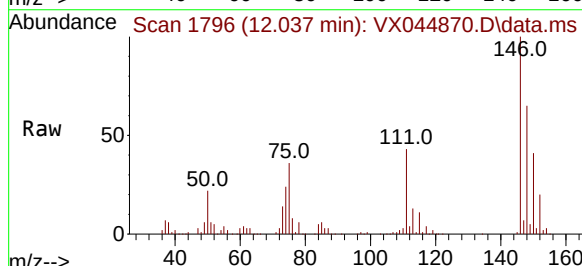
Tgt Ion:146 Resp: 64889

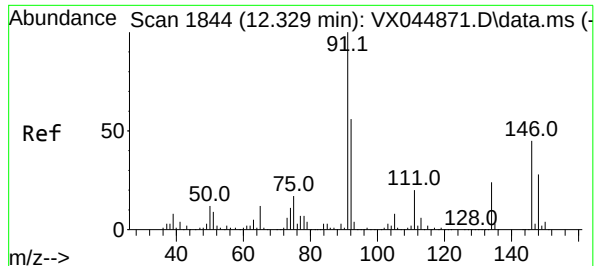
Ion Ratio Lower Upper

146 100

111 42.9 20.4 61.3

148 65.3 32.0 96.0





#89

n-Butylbenzene

Concen: 21.202 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 11370

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.6

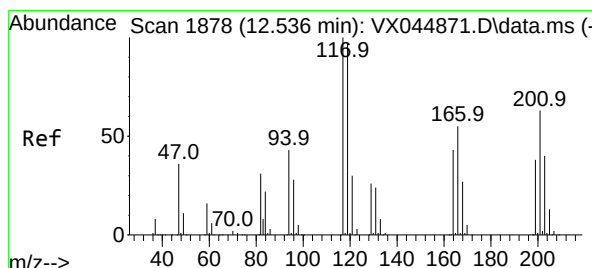
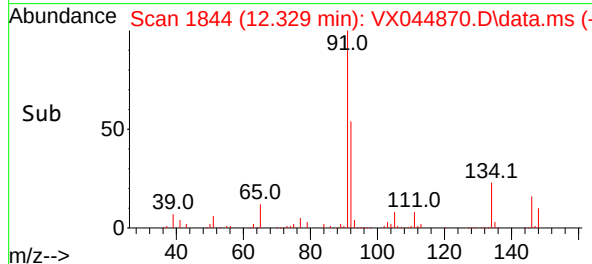
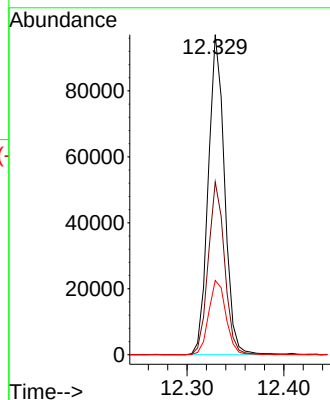
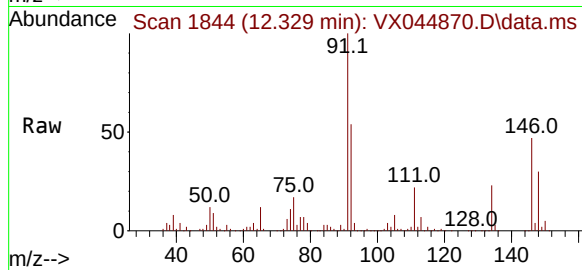
134 24.7 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 20.398 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044870.D

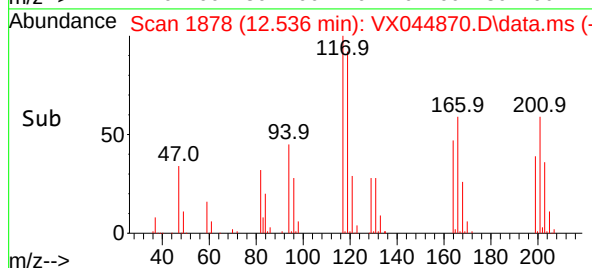
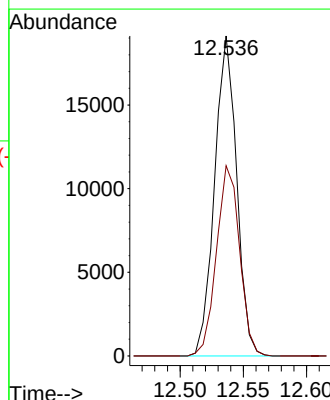
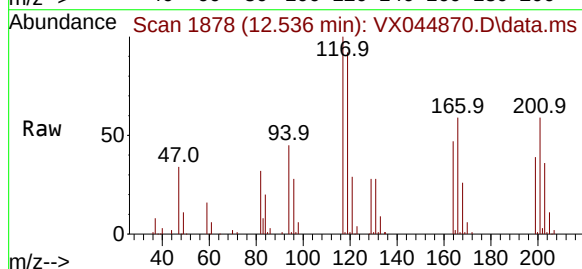
Acq: 10 Feb 2025 11:11

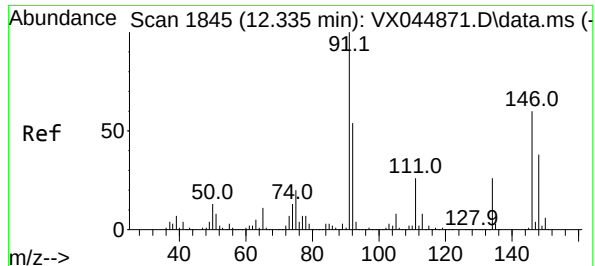
Tgt Ion:117 Resp: 23153

Ion Ratio Lower Upper

117 100

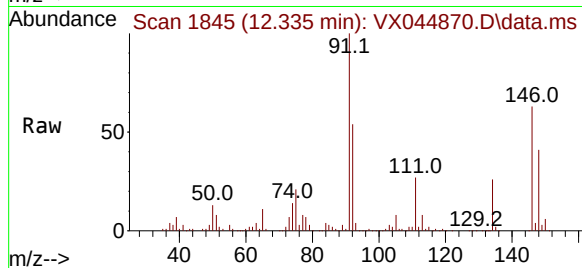
201 62.4 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

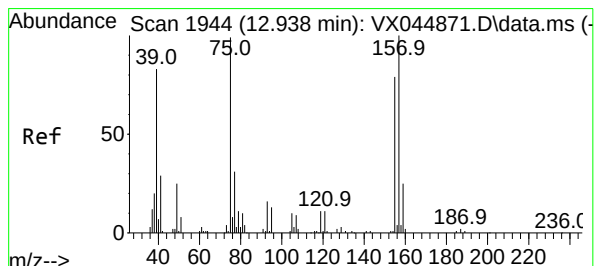
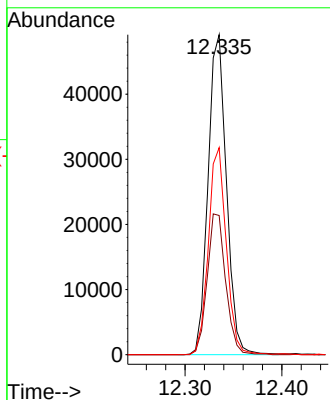
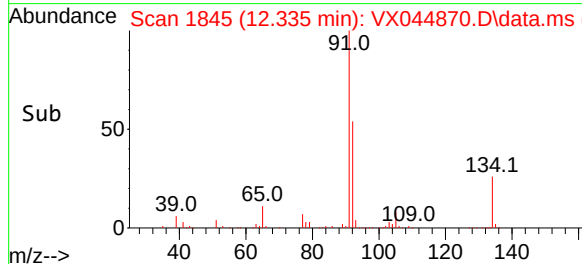
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



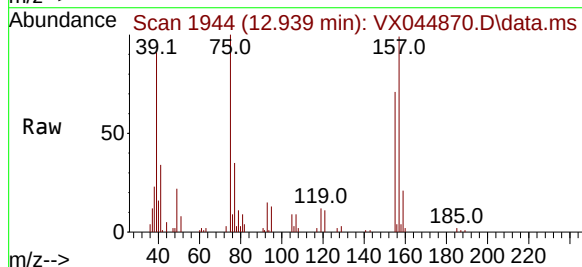
Tgt Ion:146 Resp: 64940
Ion Ratio Lower Upper
146 100
111 44.4 21.8 65.4
148 63.3 31.9 95.9

Manual Integrations
APPROVED

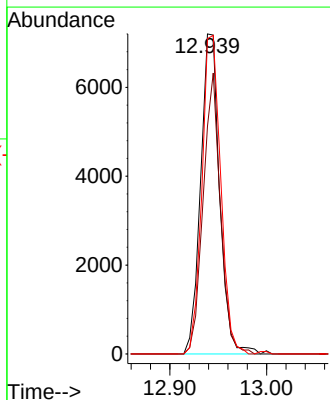
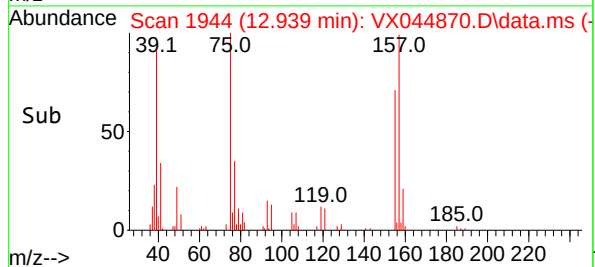
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

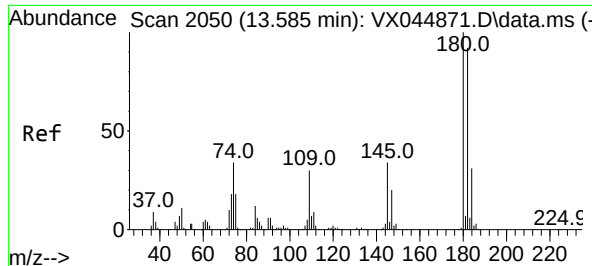


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11



Tgt Ion: 75 Resp: 9873
Ion Ratio Lower Upper
75 100
155 79.8 40.5 121.4
157 98.3 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 20.292 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

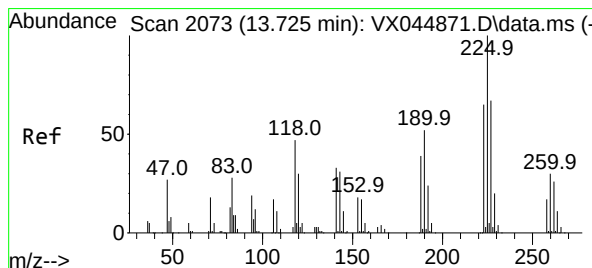
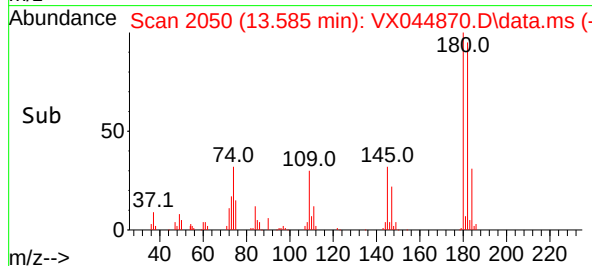
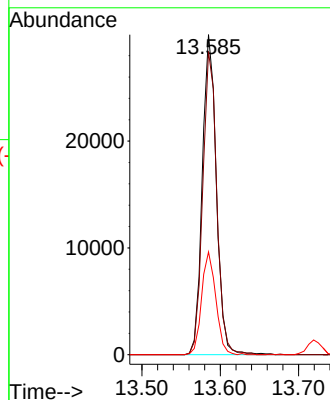
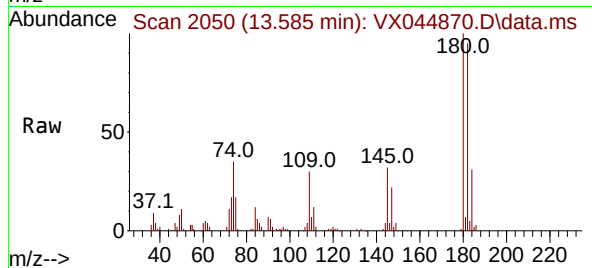
VSTDIC020

Tgt Ion:180	Resp:	37308
Ion Ratio	Lower	Upper
180	100	
182	94.4	47.6 142.8
145	32.4	16.4 49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 20.979 ug/l

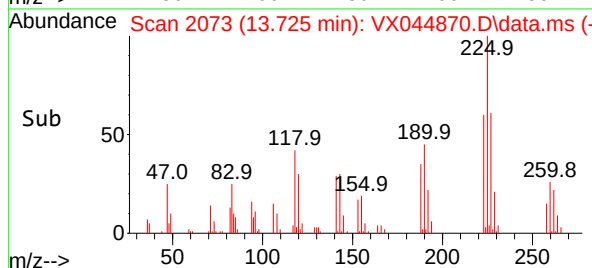
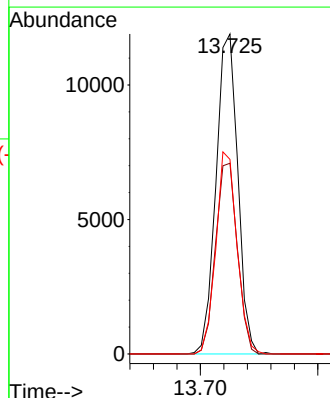
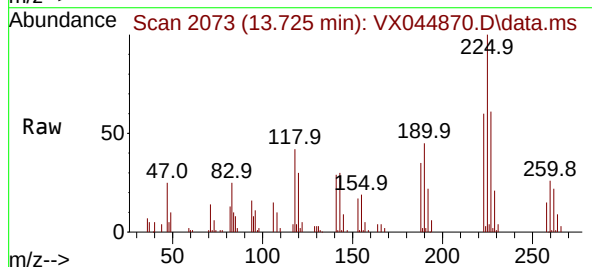
RT: 13.725 min Scan# 2073

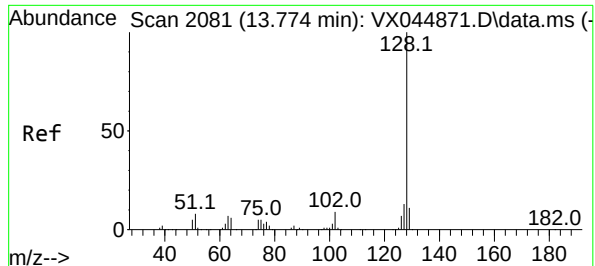
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

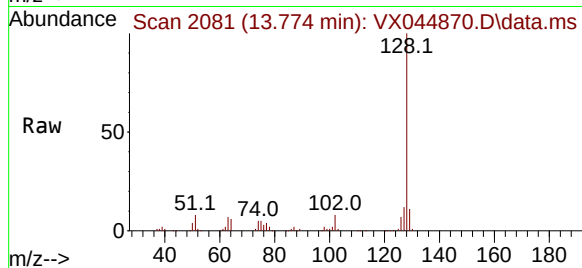
Tgt Ion:225	Resp:	15312
Ion Ratio	Lower	Upper
225	100	
223	59.9	31.4 94.2
227	61.4	32.3 96.8





#95
Naphthalene
Concen: 21.502 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

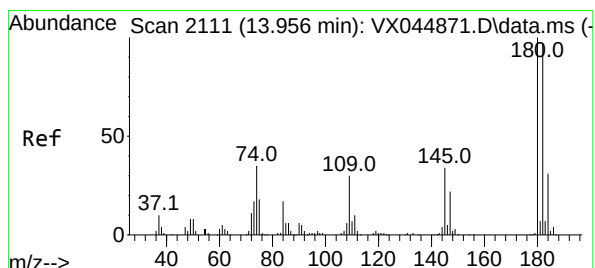
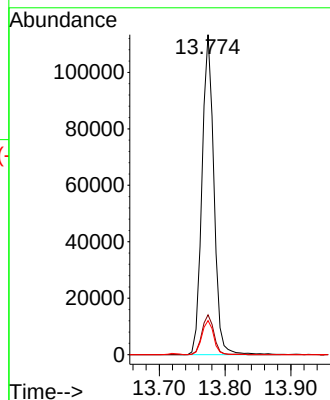
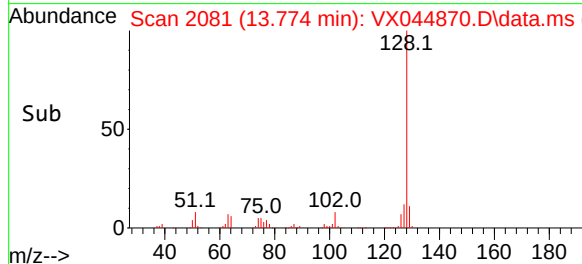
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 142902
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.6 8.9 13.3

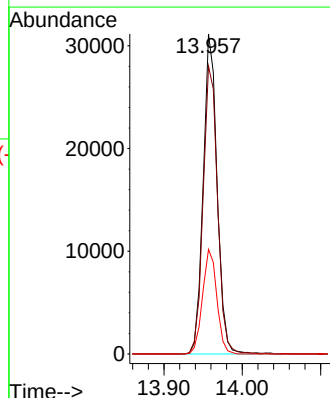
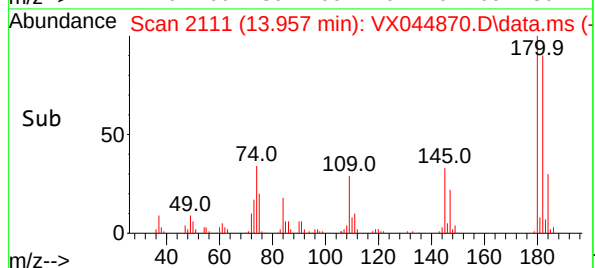
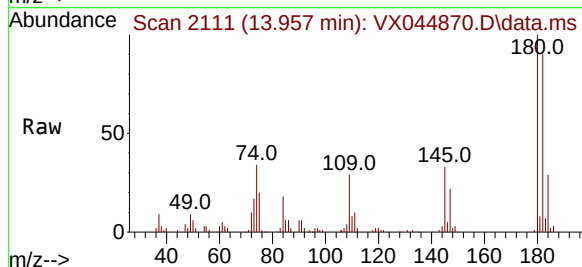
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.722 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:180 Resp: 38389
Ion Ratio Lower Upper
180 100
182 93.2 47.9 143.6
145 33.5 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.780%
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l	100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l	100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l	100
44) Trichloroethene	7.122	130	78274	50.020	ug/l	100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l	100
46) Dibromomethane	7.573	93	59625	50.479	ug/l	100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l	100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l	100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l	100
52) Toluene	8.714	92	210007	51.507	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l	100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l	100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l	100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l	100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l	100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l	100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l	100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l	100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l	100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l	100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l	100
69) o-Xylene	10.640	106	144802	50.409	ug/l	100
70) Styrene	10.652	104	245518	53.051	ug/l	100
71) Bromoform	10.799	173	57417	54.352	ug/l #	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l	100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	102508m	49.903	ug/l	100
77) Bromobenzene	11.195	156	84448	49.931	ug/l	100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l	100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l	100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l	100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l	100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l	100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l	100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l	100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l	100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l	100
95) Naphthalene	13.774	128	347645	51.995	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

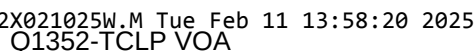
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

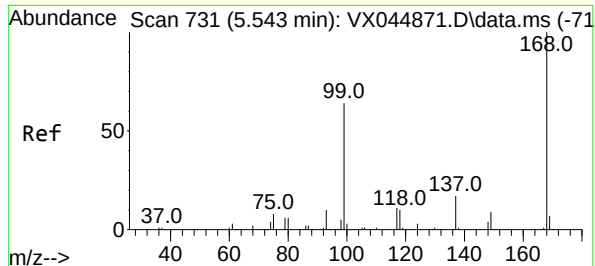
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





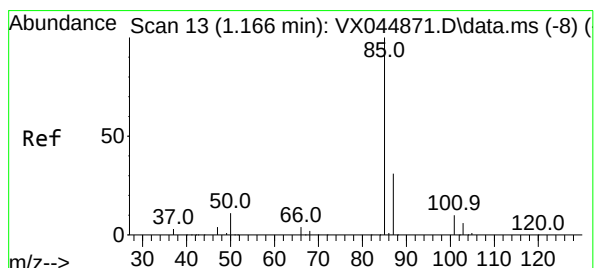
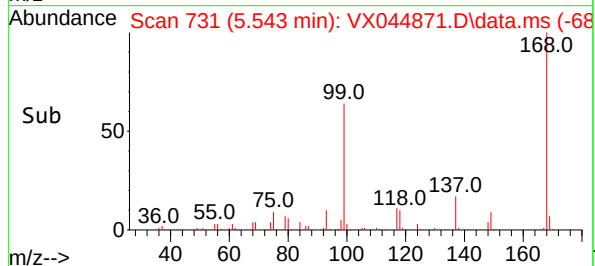
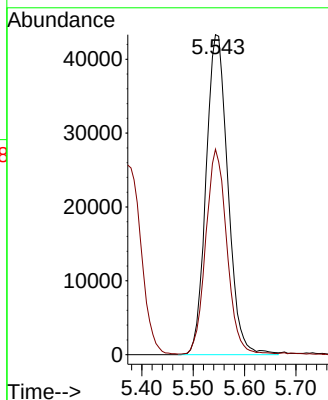
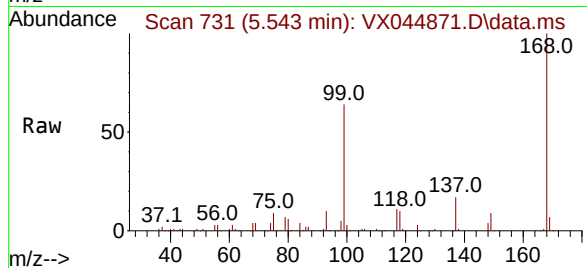
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 127984
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8

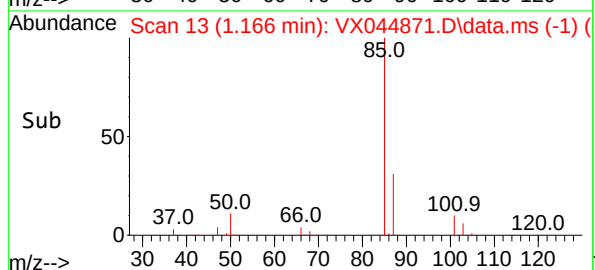
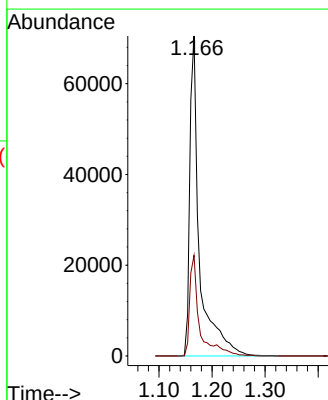
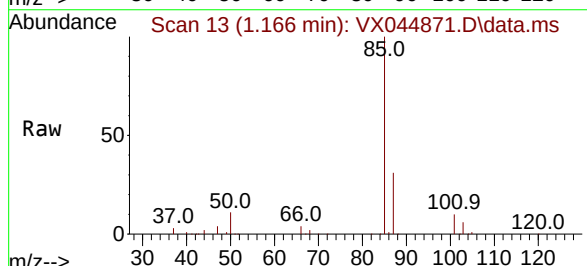
Manual Integrations
APPROVED

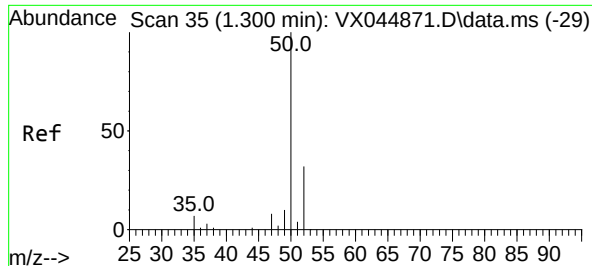
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3





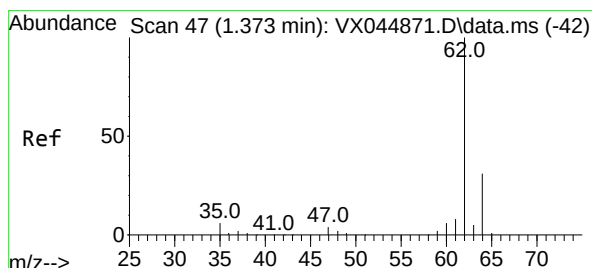
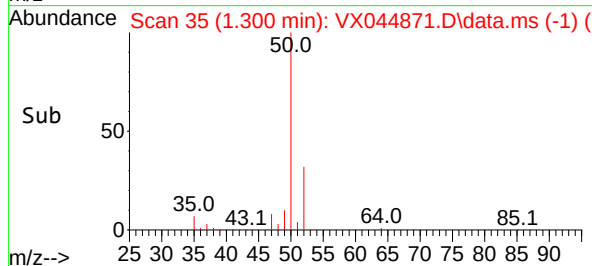
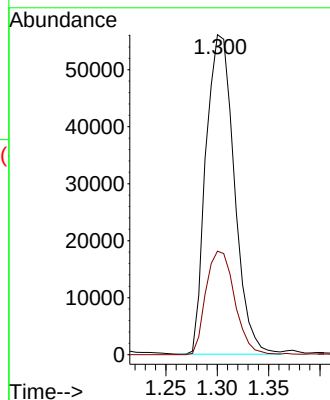
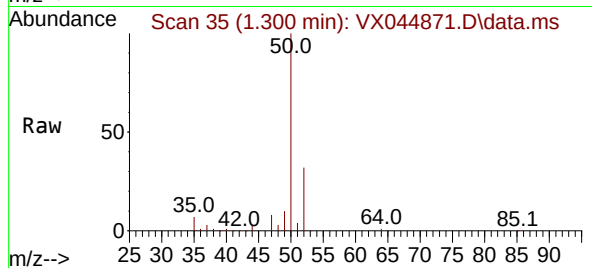
#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 107830
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9

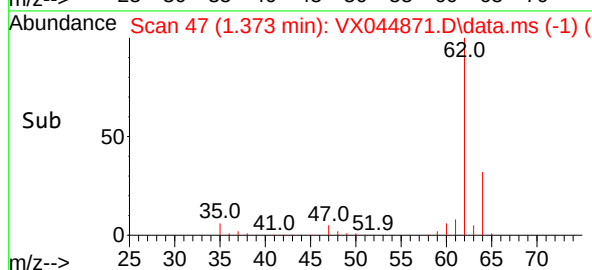
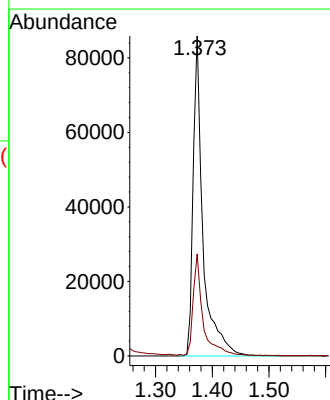
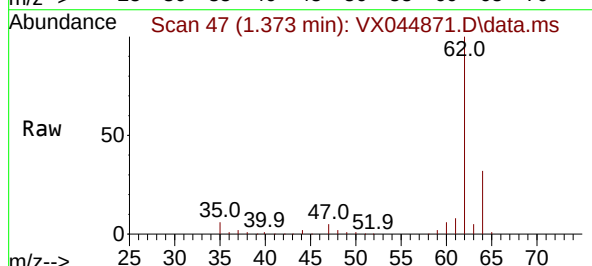
Manual Integrations
APPROVED

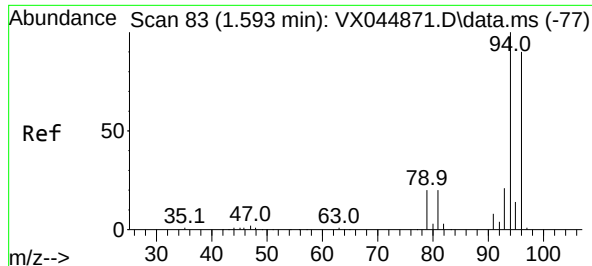
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





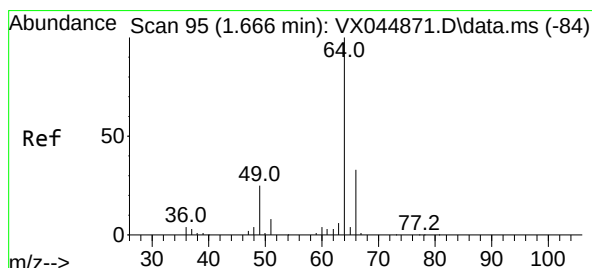
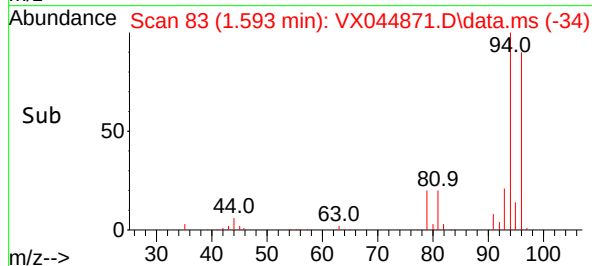
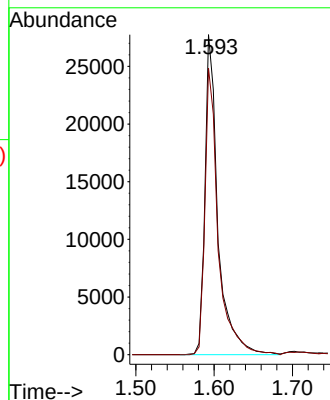
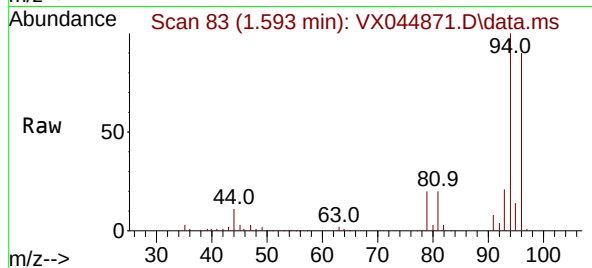
#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 31880
Ion Ratio Lower Upper
94 100
96 89.5 71.6 107.4

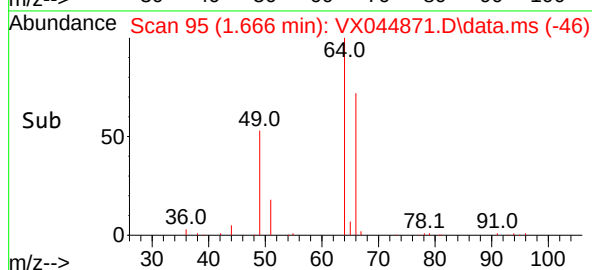
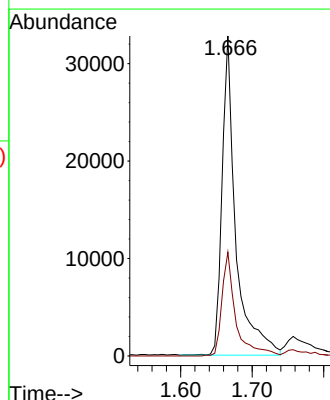
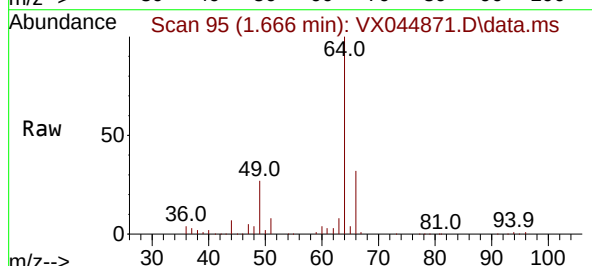
Manual Integrations
APPROVED

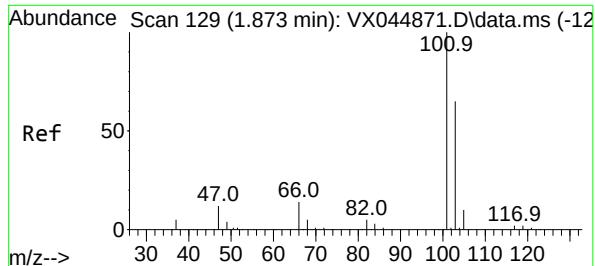
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 64 Resp: 43657
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9





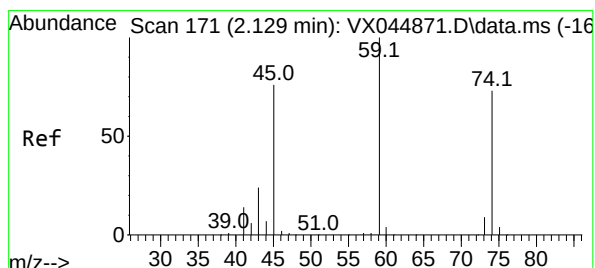
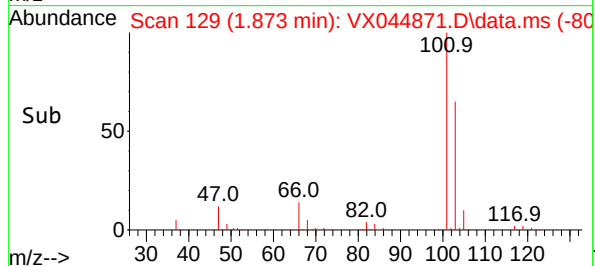
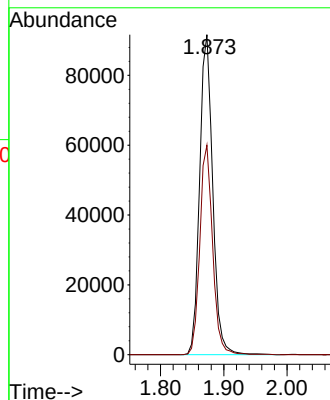
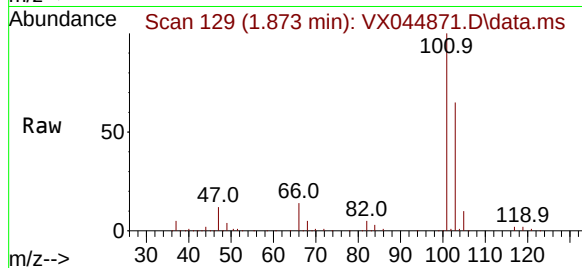
#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 131729
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6

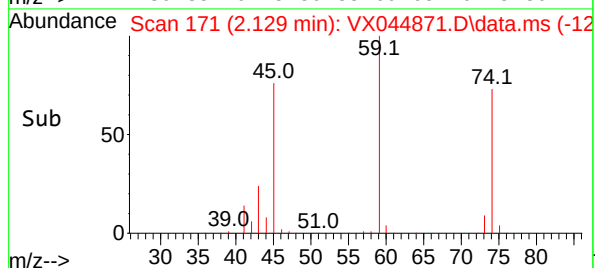
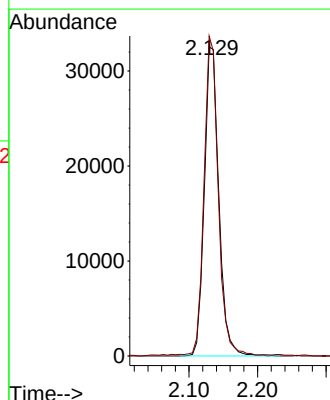
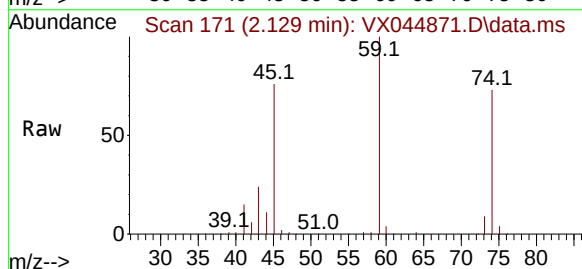
Manual Integrations
APPROVED

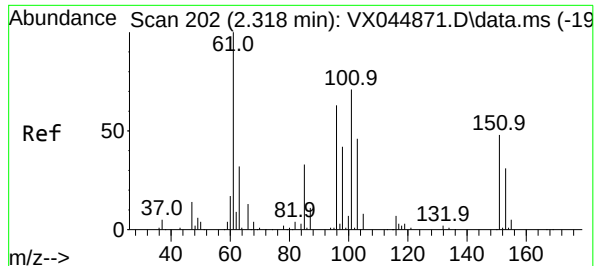
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 74 Resp: 48023
Ion Ratio Lower Upper
74 100
45 102.3 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.511 ug/l

RT: 2.318 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 8006

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

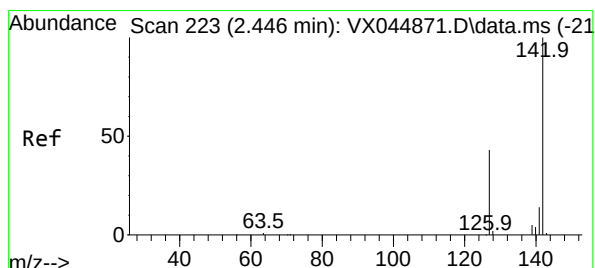
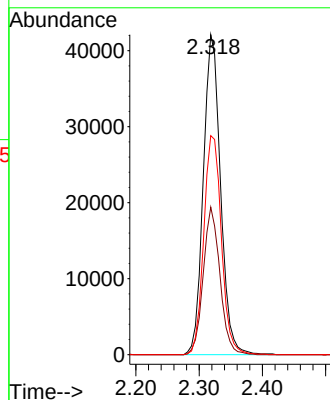
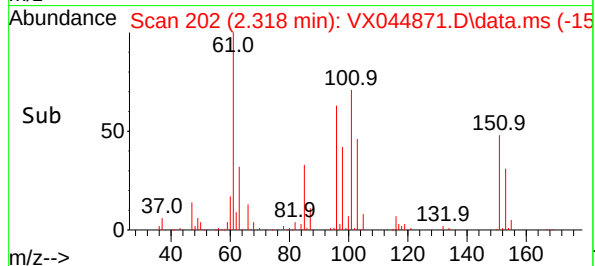
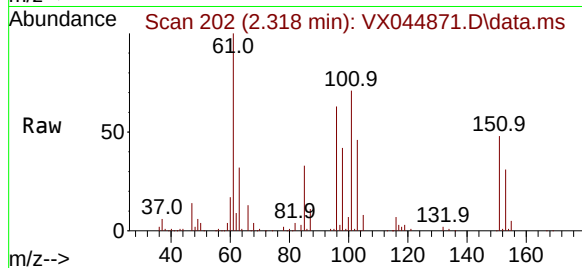
151 70.0 56.0 84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 51.712 ug/l

RT: 2.446 min Scan# 223

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

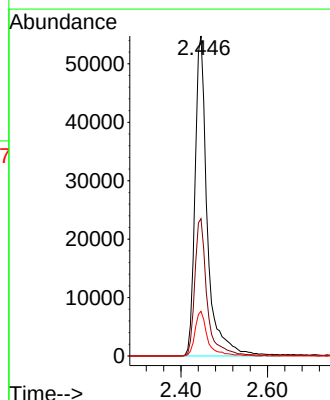
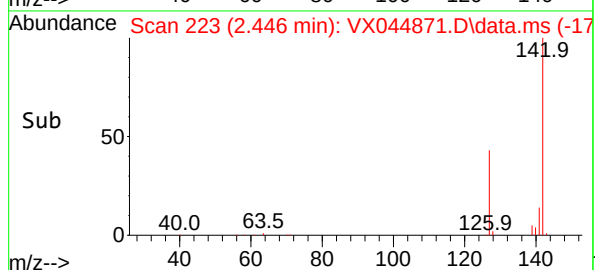
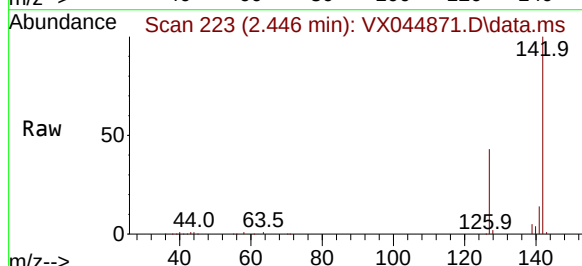
Tgt Ion:142 Resp: 108383

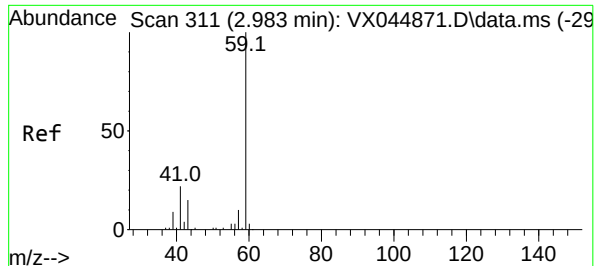
Ion Ratio Lower Upper

142 100

127 42.9 34.3 51.5

141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 251.049 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 87254

Ion Ratio Lower Upper

59 100

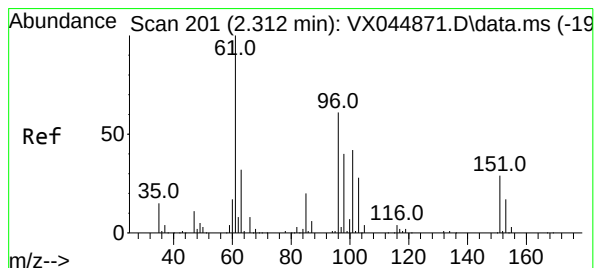
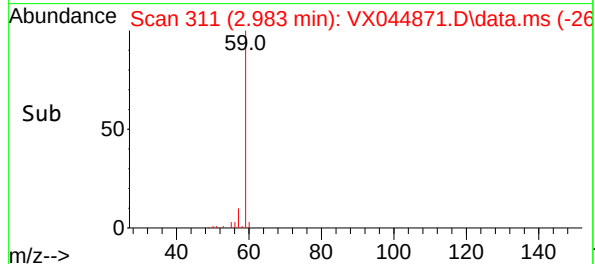
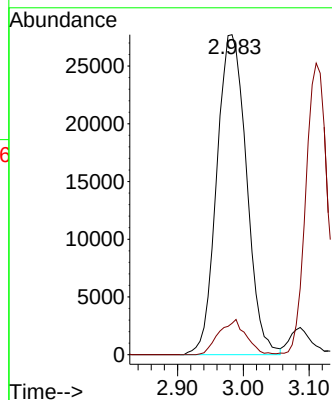
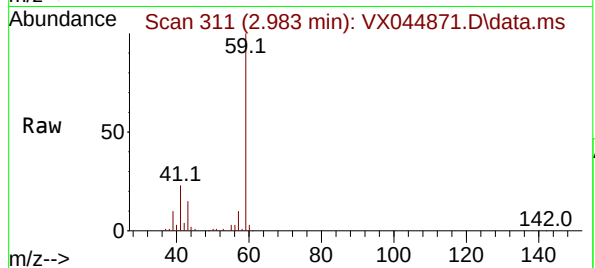
57 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 48.904 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

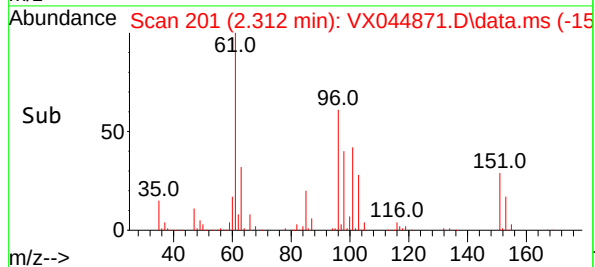
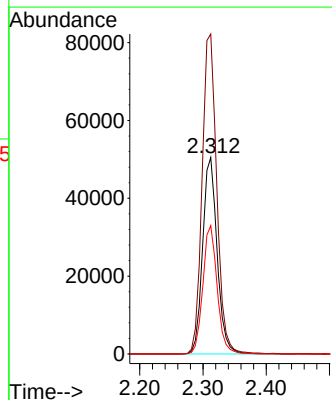
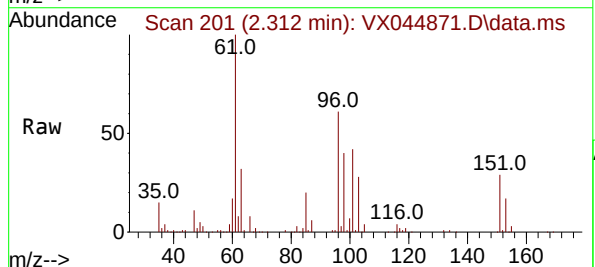
Tgt Ion: 96 Resp: 80672

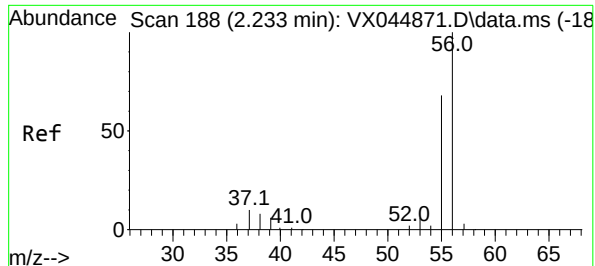
Ion Ratio Lower Upper

96 100

61 162.8 130.2 195.4

98 65.3 52.2 78.4





#13

Acrolein

Concen: 252.426 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 90518

Ion Ratio Lower Upper

56 100

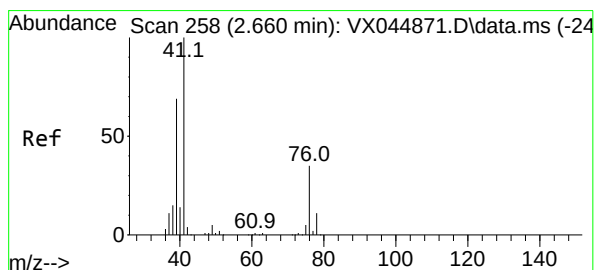
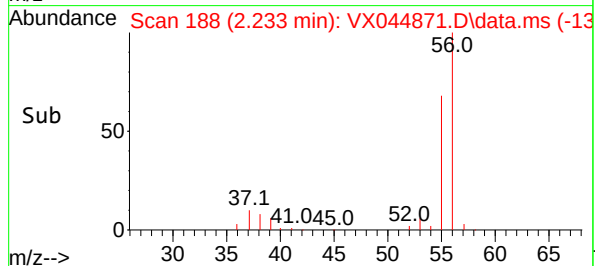
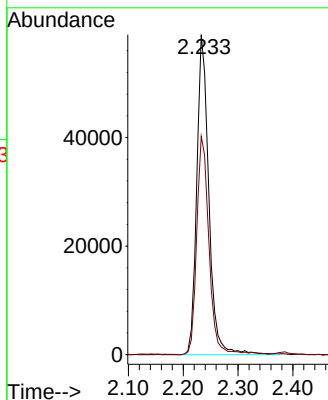
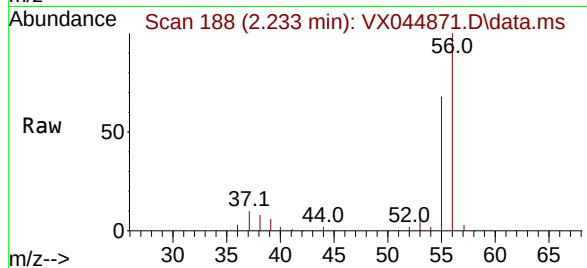
55 69.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 49.658 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

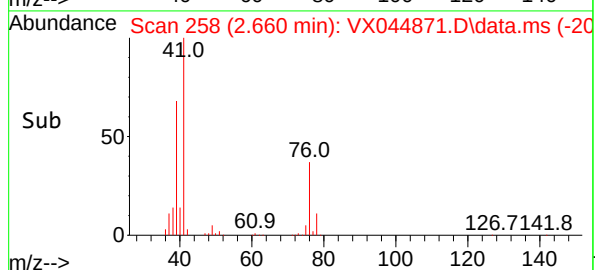
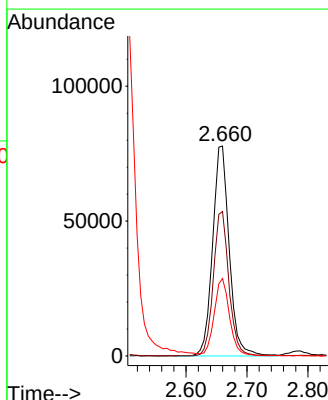
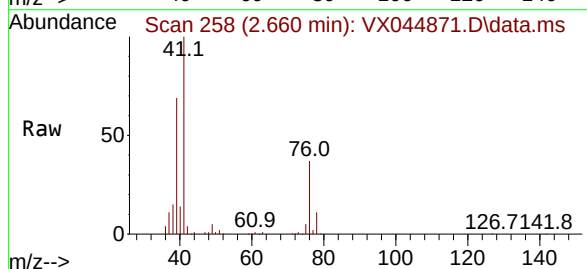
Tgt Ion: 41 Resp: 148044

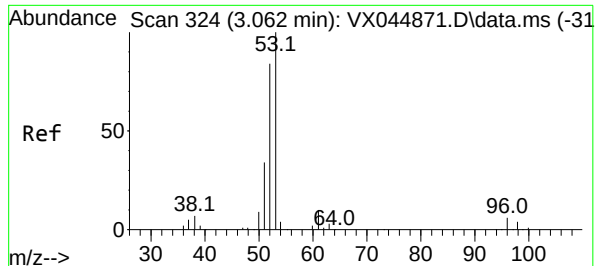
Ion Ratio Lower Upper

41 100

39 64.3 51.4 77.2

76 33.7 27.0 40.4





#15

Acrylonitrile

Concen: 261.074 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 242268

Ion Ratio Lower Upper

53 100

52 81.3 65.0 97.6

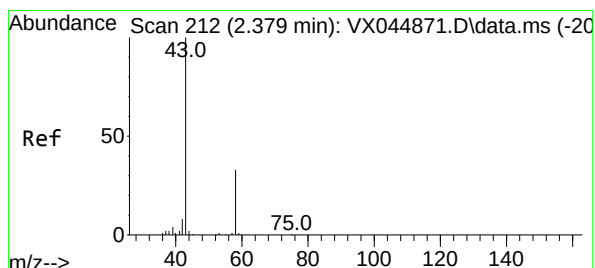
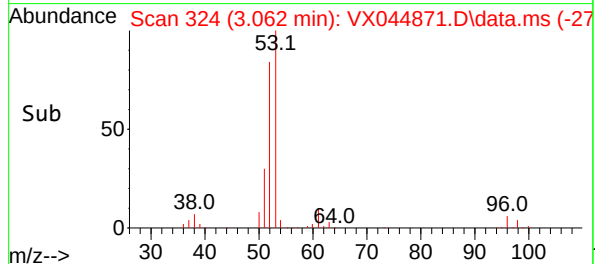
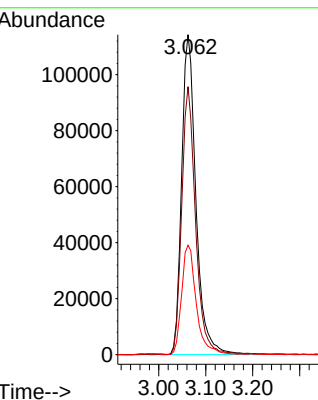
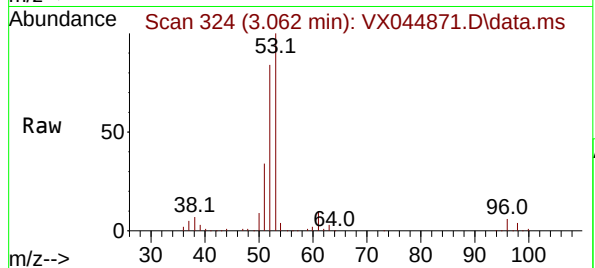
51 35.0 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 249.274 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044871.D

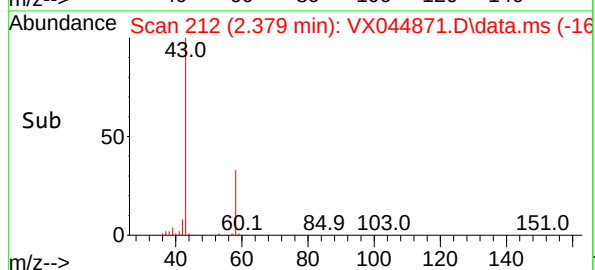
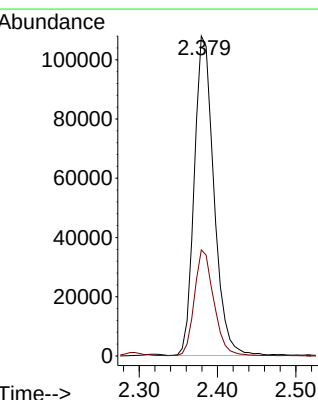
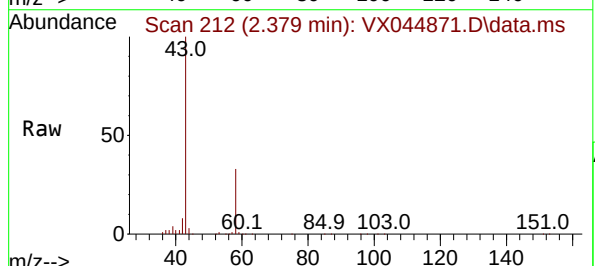
Acq: 10 Feb 2025 11:34

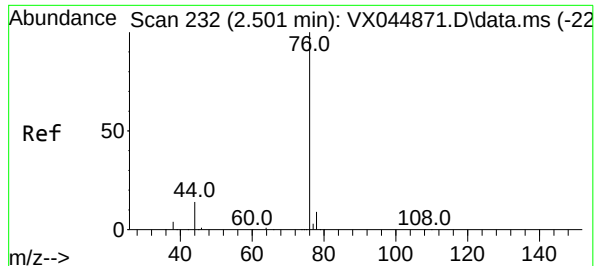
Tgt Ion: 43 Resp: 187739

Ion Ratio Lower Upper

43 100

58 33.1 26.5 39.7





#17

Carbon Disulfide

Concen: 49.853 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 22551

Ion Ratio Lower Upper

76 100

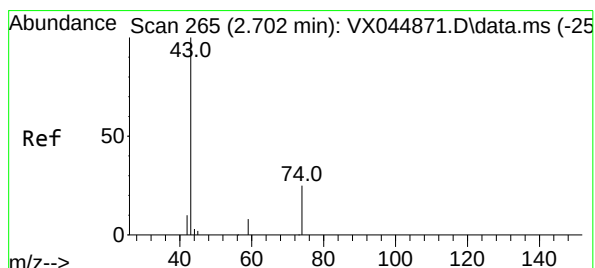
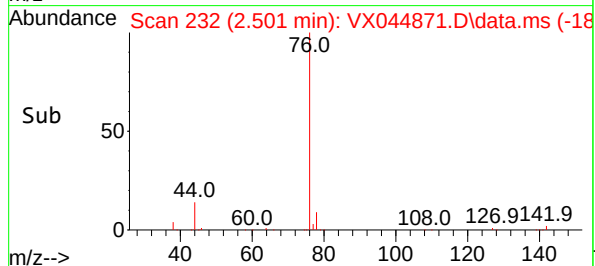
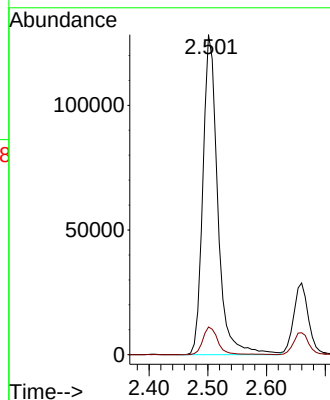
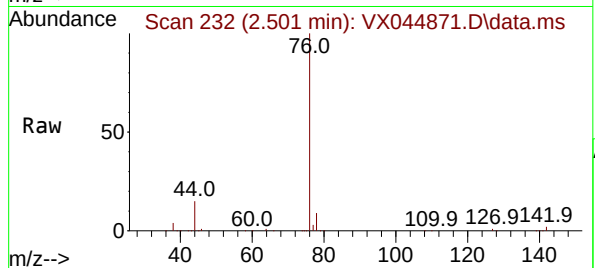
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 50.928 ug/l

RT: 2.702 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044871.D

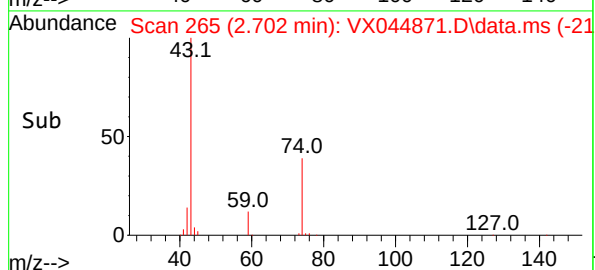
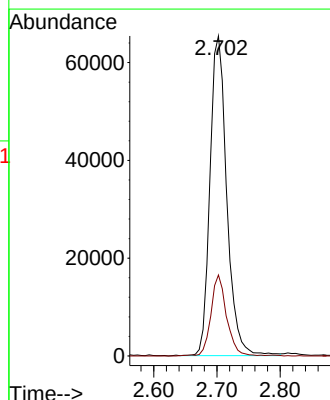
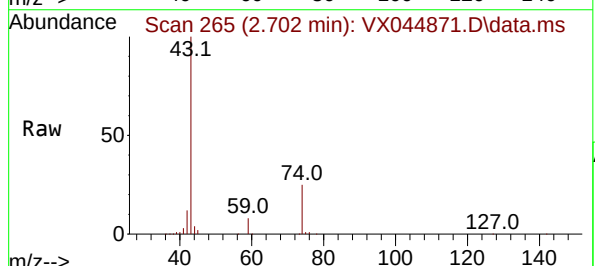
Acq: 10 Feb 2025 11:34

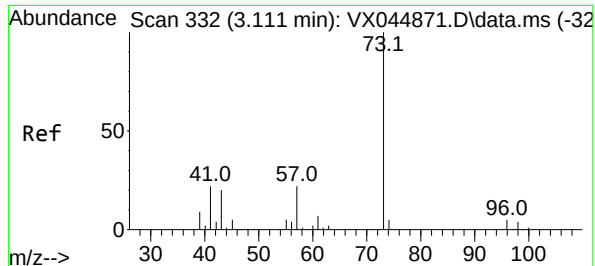
Tgt Ion: 43 Resp: 121039

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.890 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 261852

Ion Ratio Lower Upper

73 100

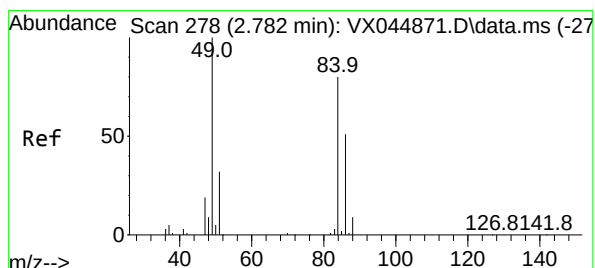
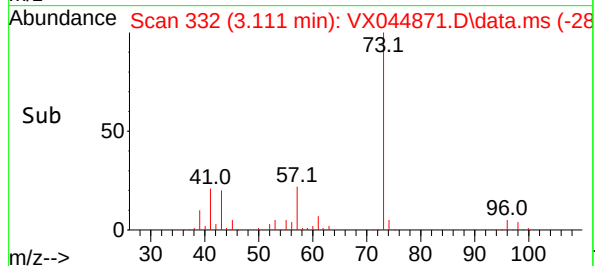
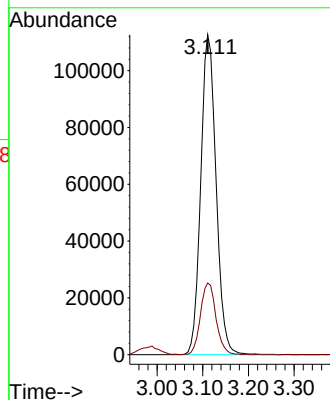
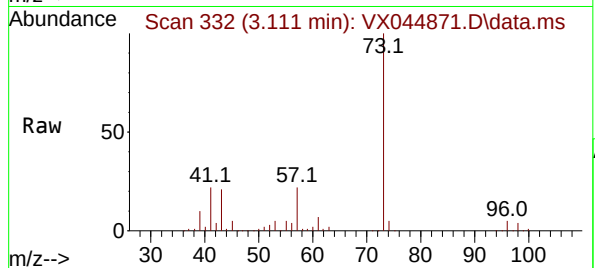
57 22.4 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 48.808 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038

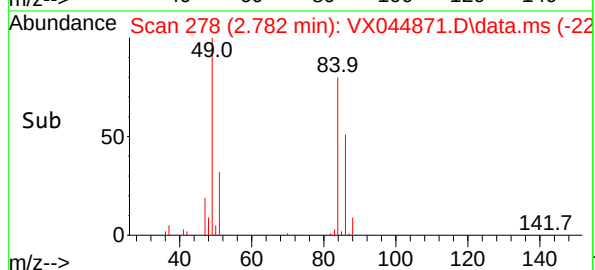
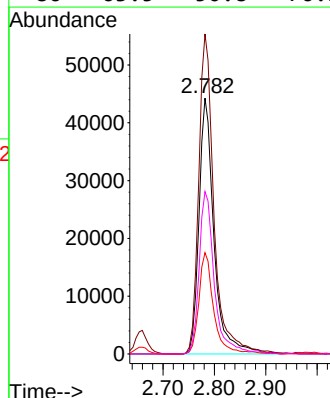
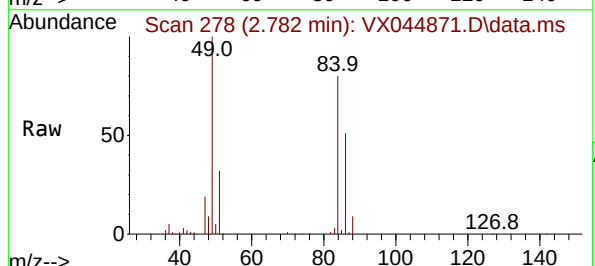
Ion Ratio Lower Upper

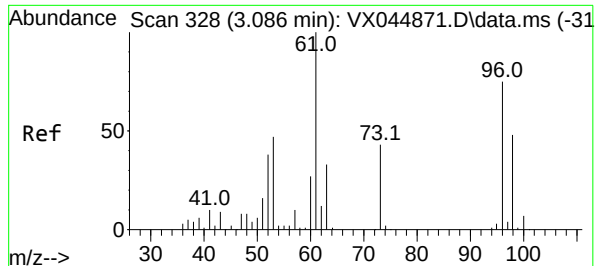
84 100

49 125.1 100.1 150.1

51 39.6 31.7 47.5

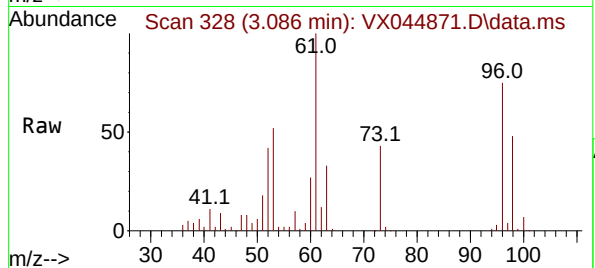
86 63.5 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

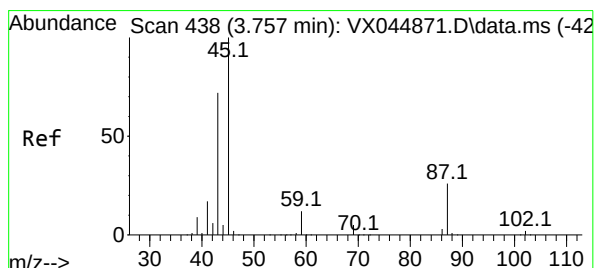
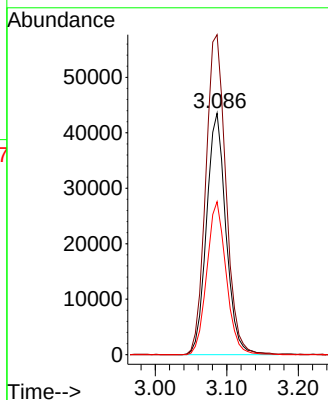
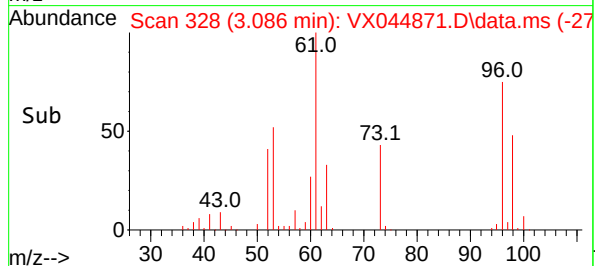
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 81950
Ion Ratio Lower Upper
96 100
61 132.5 106.0 159.0
98 63.3 50.6 76.0

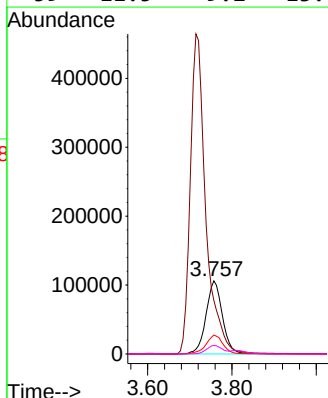
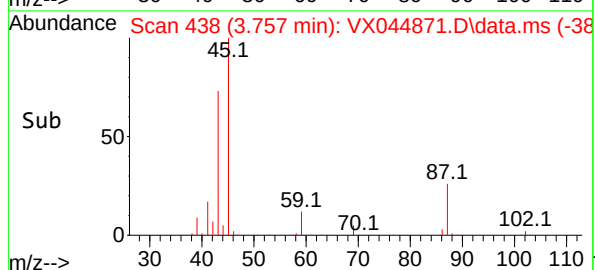
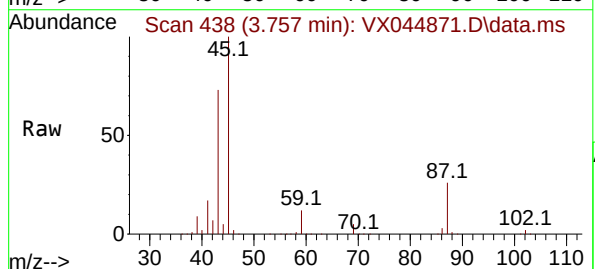
Manual Integrations
APPROVED

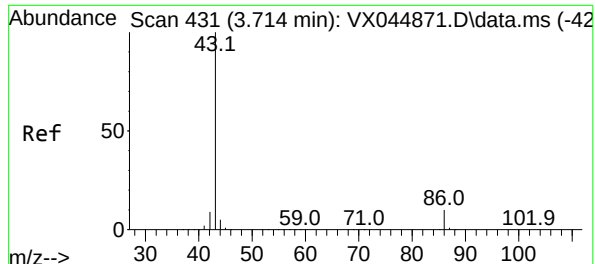
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347
Ion Ratio Lower Upper
45 100
43 72.5 58.0 87.0
87 25.9 20.7 31.1
59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 258.830 ug/l

RT: 3.714 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 119015

Ion Ratio Lower Upper

43 100

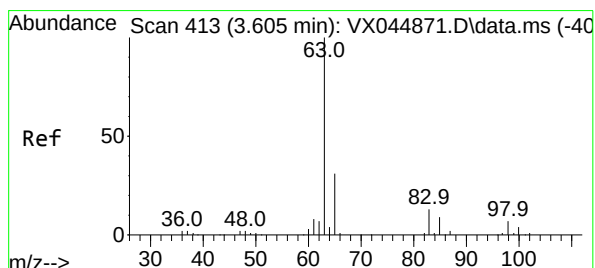
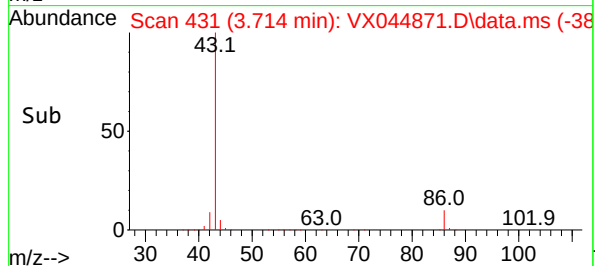
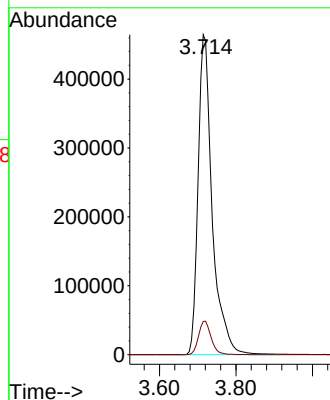
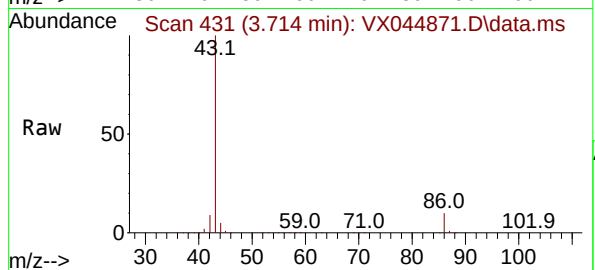
86 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 49.749 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

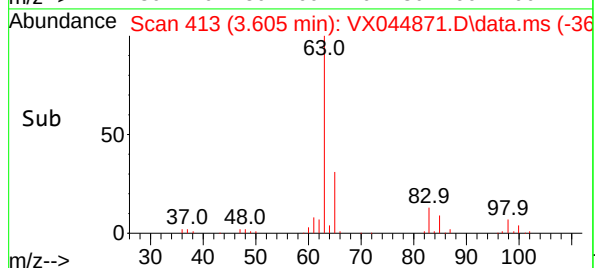
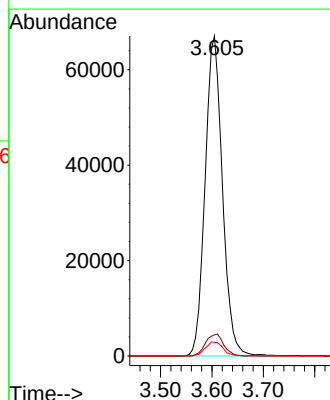
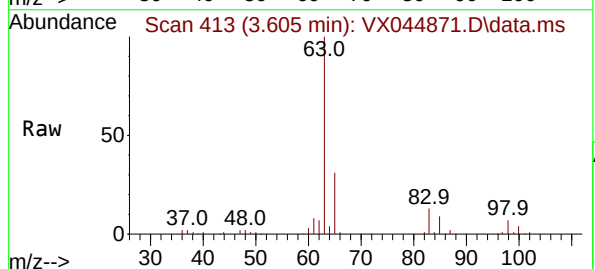
Tgt Ion: 63 Resp: 157003

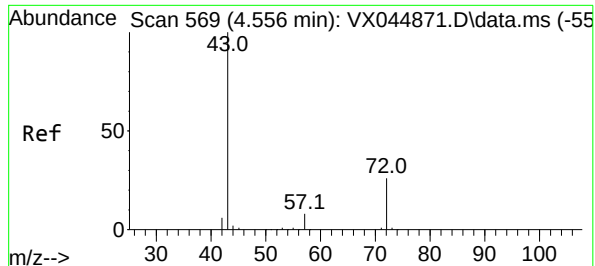
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 264.528 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 323510

Ion Ratio Lower Upper

43 100

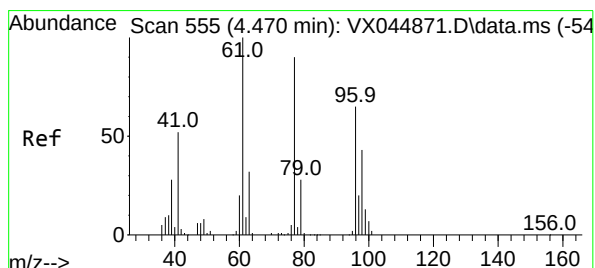
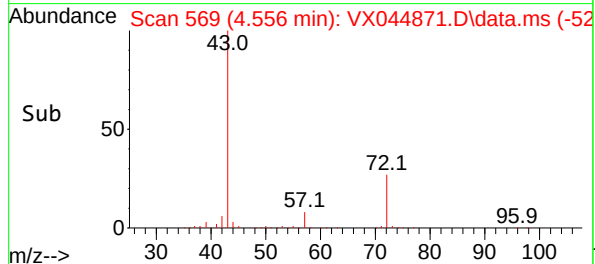
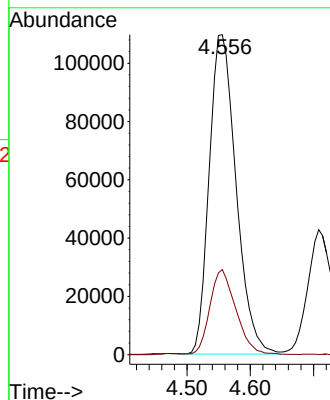
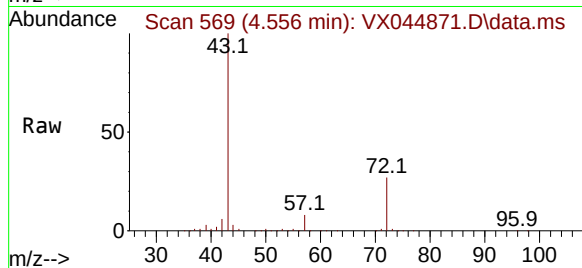
72 26.5 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 48.707 ug/l

RT: 4.470 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044871.D

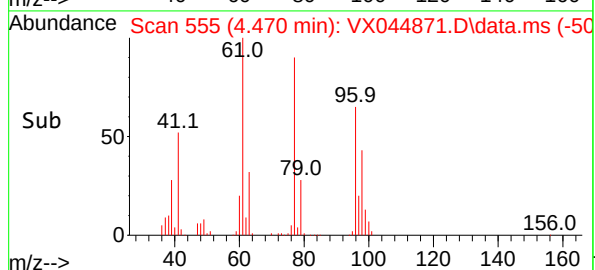
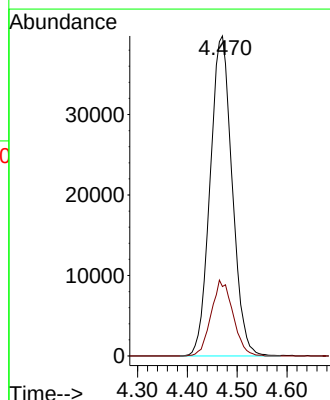
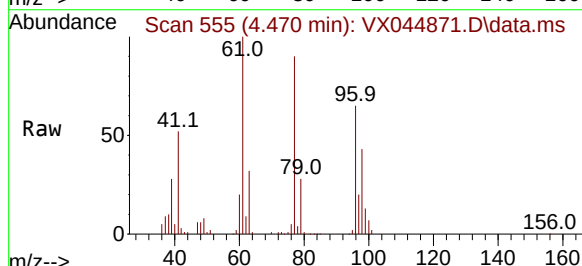
Acq: 10 Feb 2025 11:34

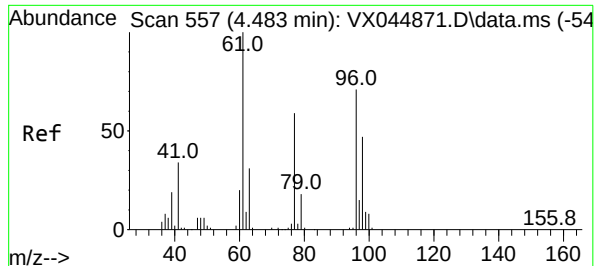
Tgt Ion: 77 Resp: 121901

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.721 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

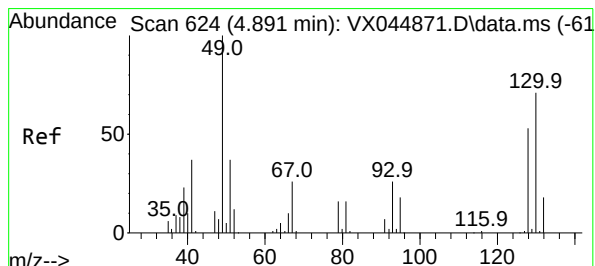
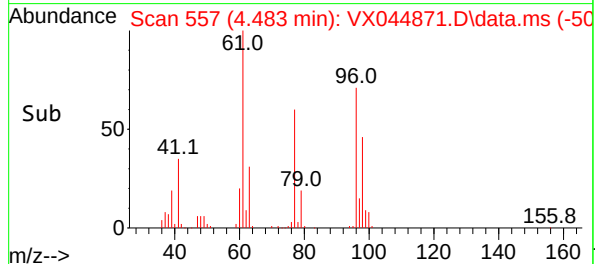
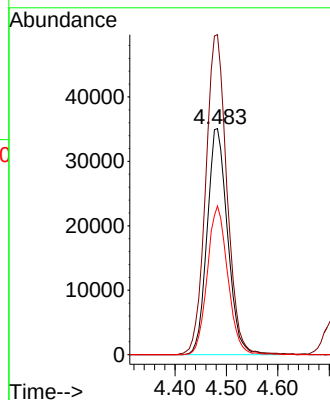
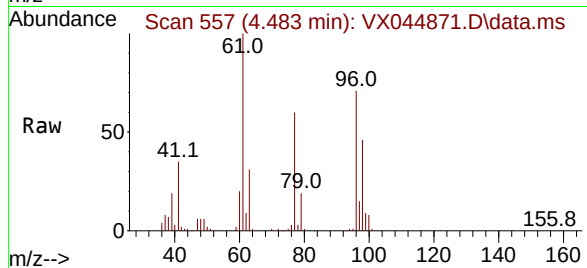
VSTDICCC050

Tgt Ion:	96	Resp:	9696
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	65.6	0.0	131.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 49.258 ug/l

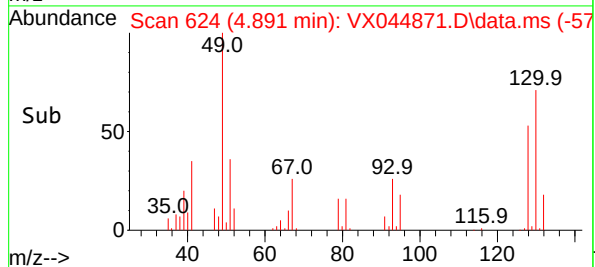
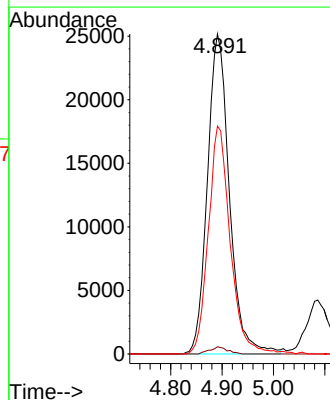
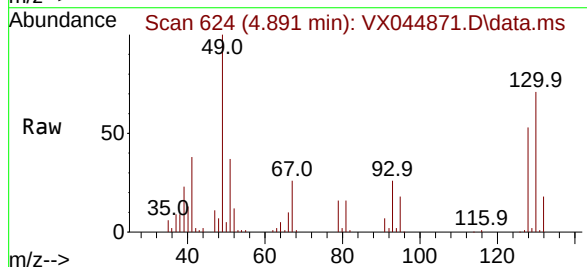
RT: 4.891 min Scan# 624

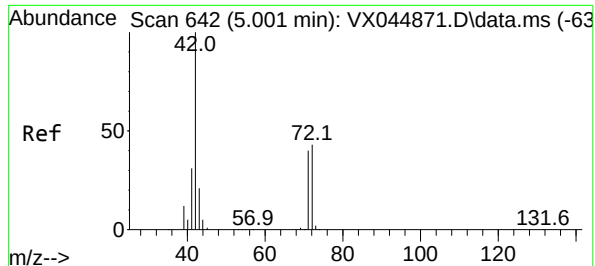
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	49	Resp:	74707
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.9	56.7	85.1





#29

Tetrahydrofuran

Concen: 259.105 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 210414

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

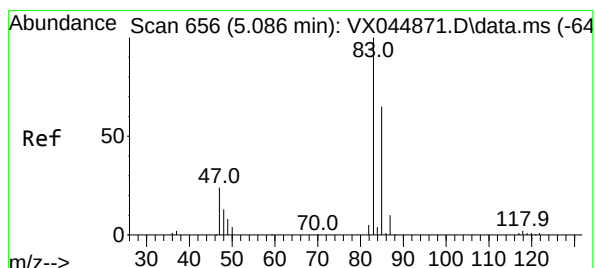
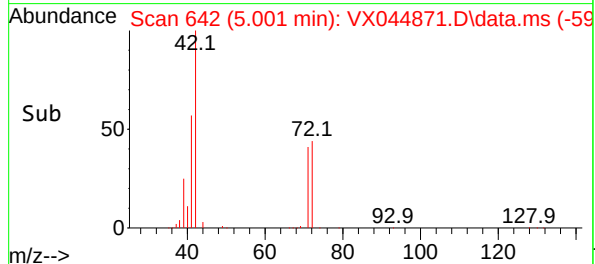
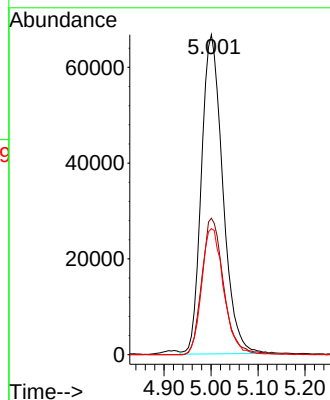
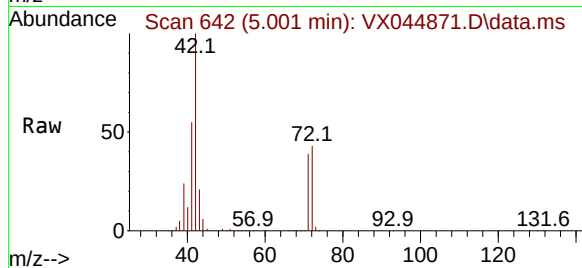
71 40.7 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 48.874 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044871.D

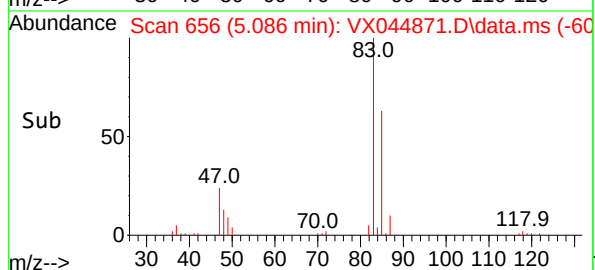
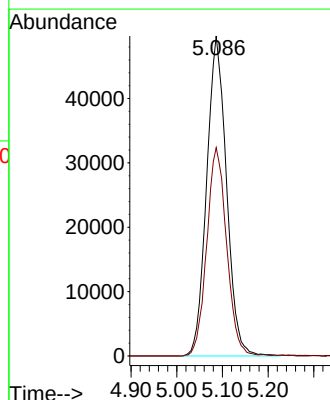
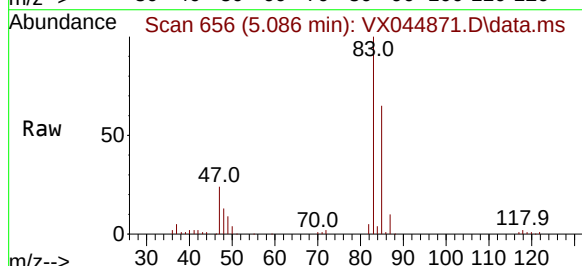
Acq: 10 Feb 2025 11:34

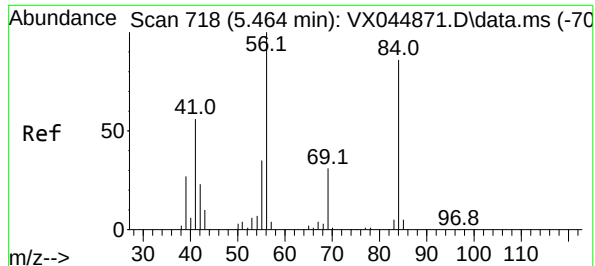
Tgt Ion: 83 Resp: 149581

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 49.322 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 143500

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

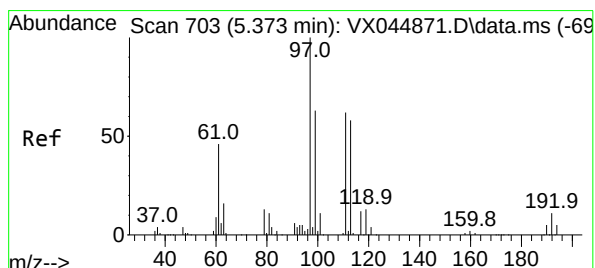
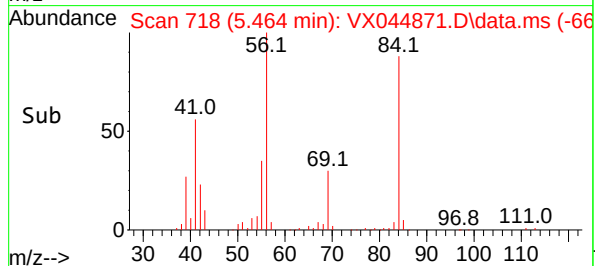
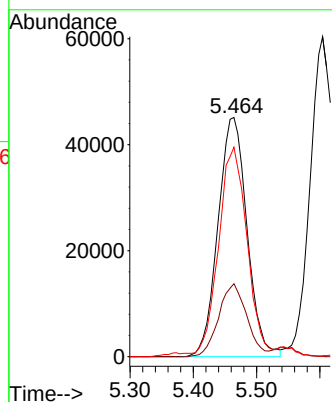
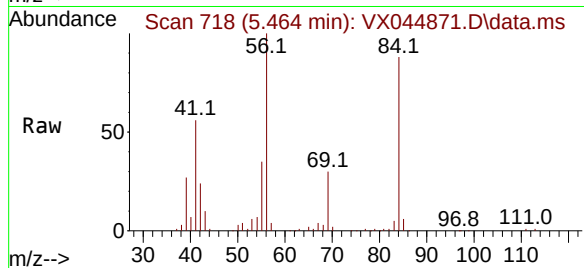
84 86.3 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 49.523 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

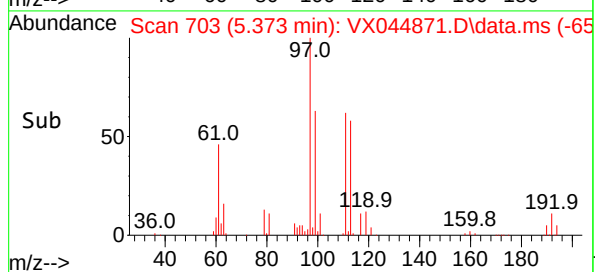
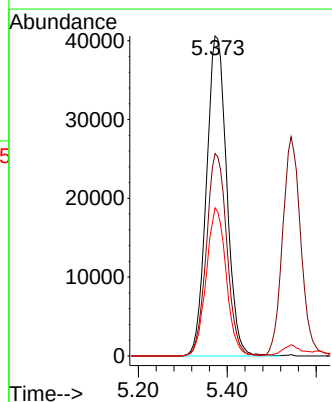
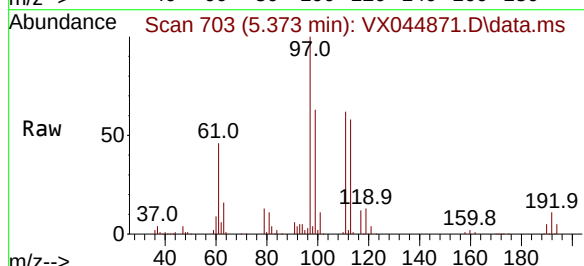
Tgt Ion: 97 Resp: 128561

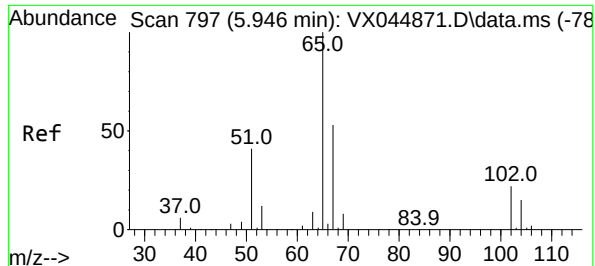
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 49.424 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 9259

Ion Ratio Lower Upper

65 100

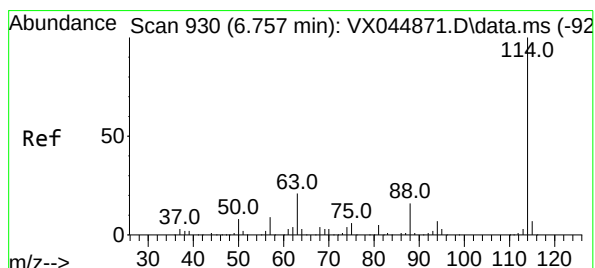
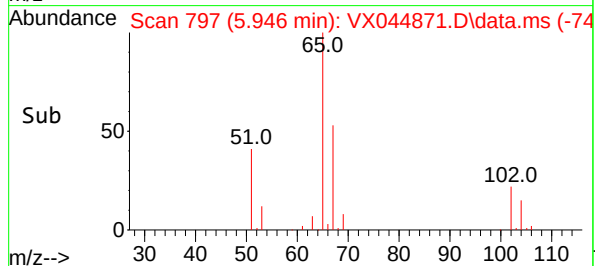
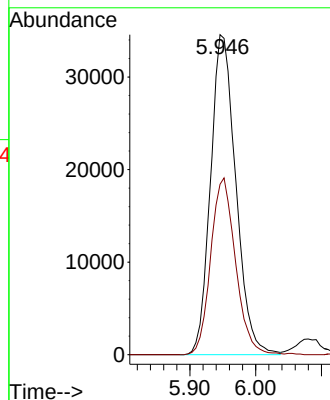
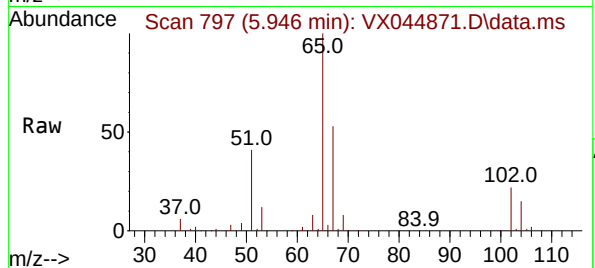
67 54.1 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

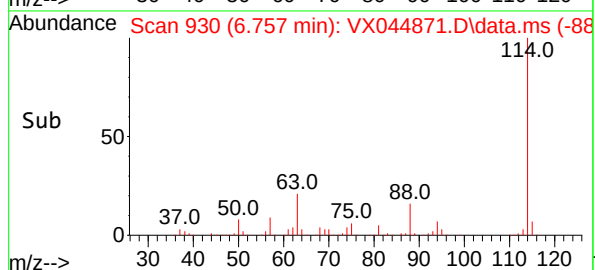
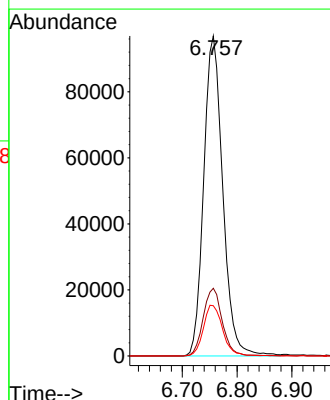
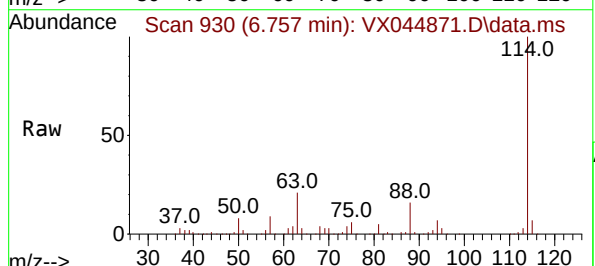
Tgt Ion:114 Resp: 233736

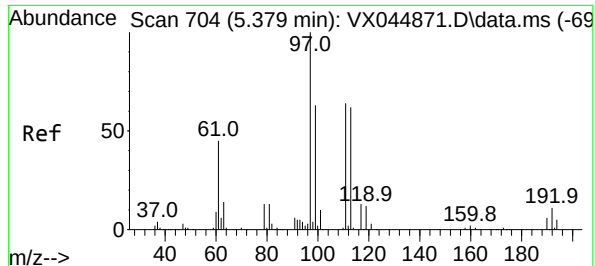
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.291 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

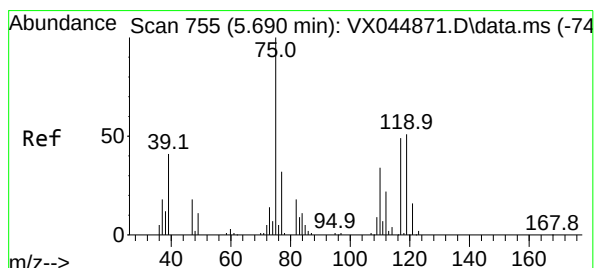
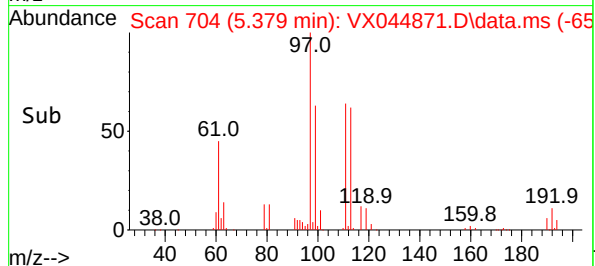
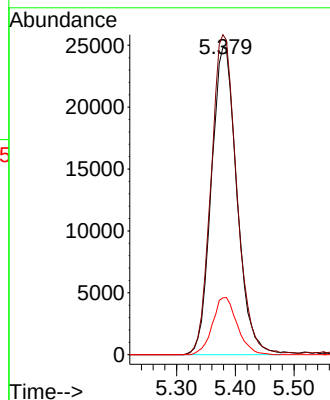
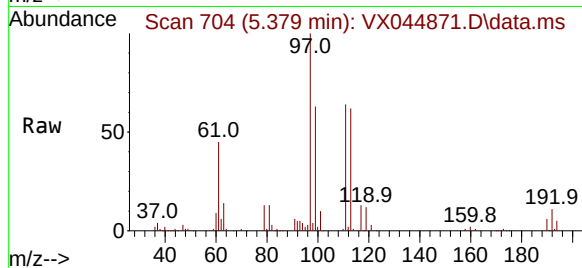
VSTDICCC050

Tgt Ion:	113	Resp:	74900
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	18.0	14.4	21.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 49.353 ug/l

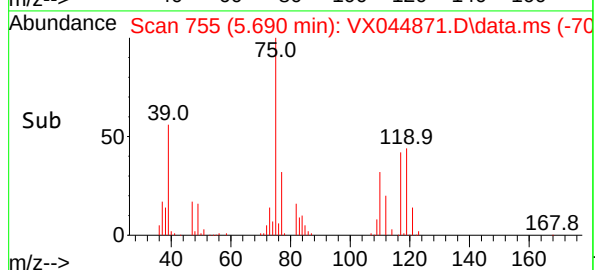
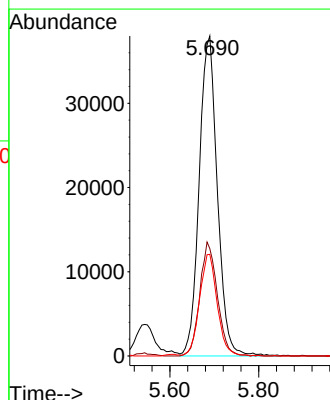
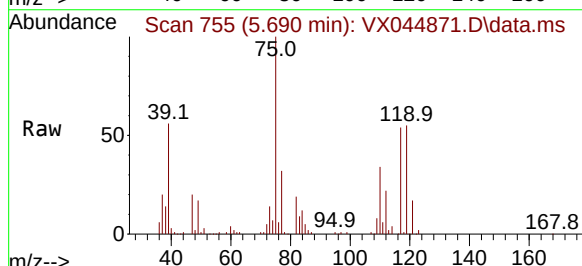
RT: 5.690 min Scan# 755

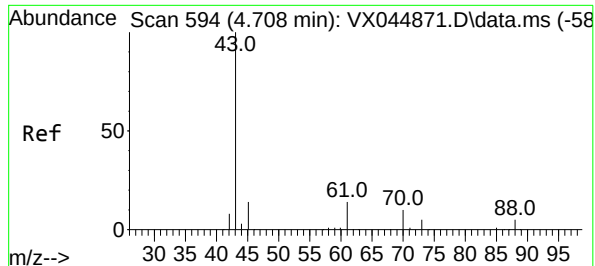
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	75	Resp:	108206
Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.8	24.6	37.0





#37

Ethyl Acetate

Concen: 50.535 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

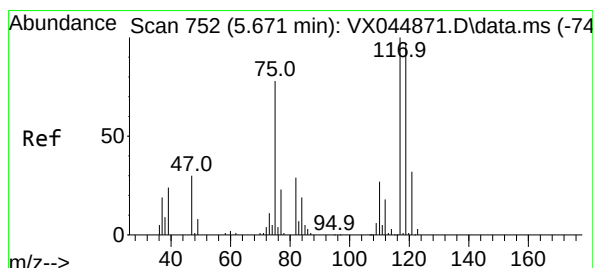
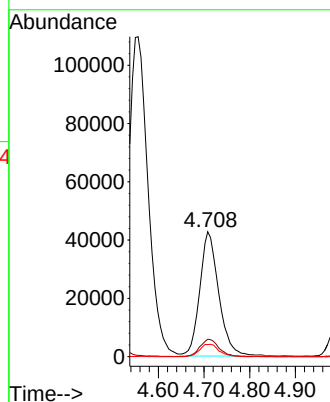
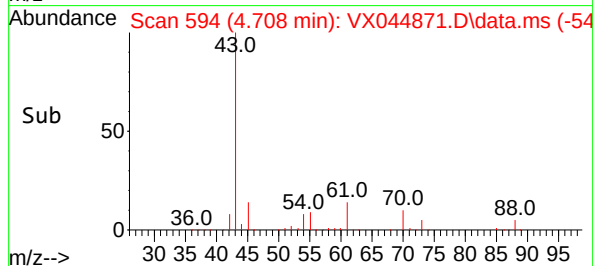
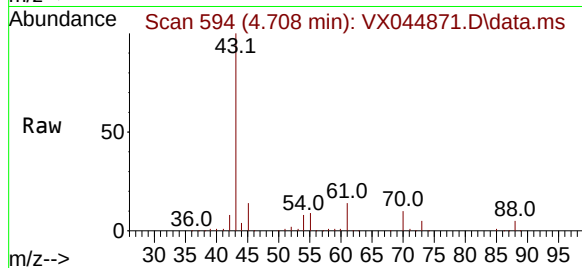
VSTDICCC050

Tgt Ion:	43	Resp:	123238
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.2	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 49.277 ug/l

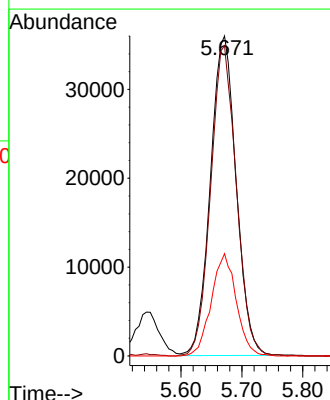
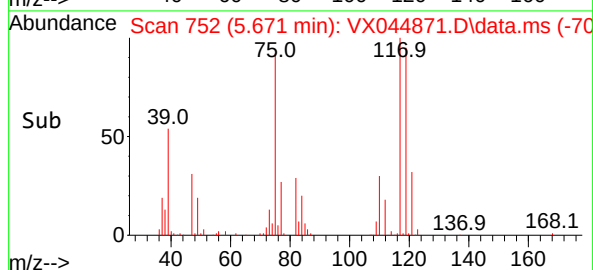
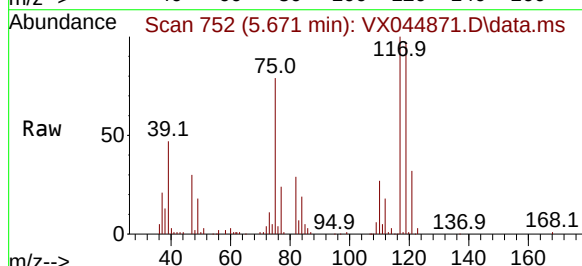
RT: 5.671 min Scan# 752

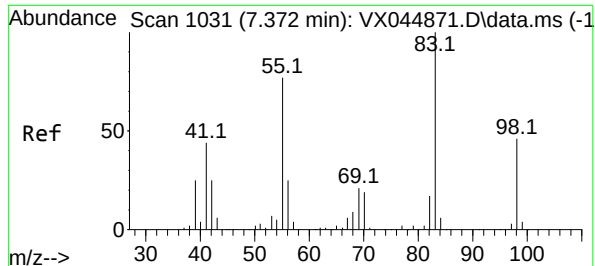
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	117	Resp:	105873
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	32.0	25.6	38.4





#39

Methylcyclohexane

Concen: 51.274 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 145338

Ion Ratio Lower Upper

83 100

55 76.6 61.3 91.9

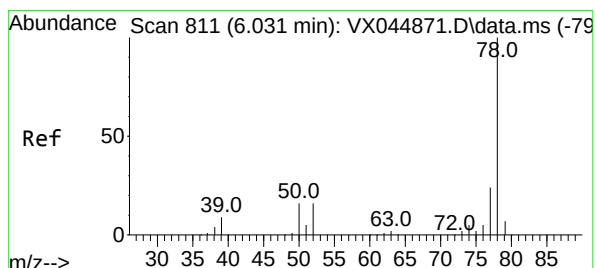
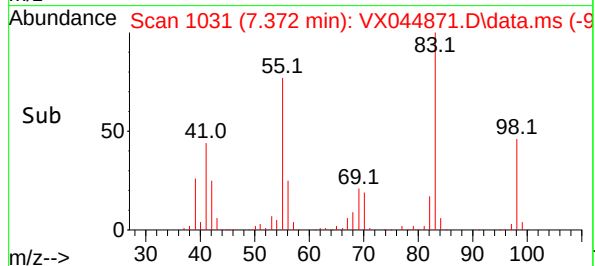
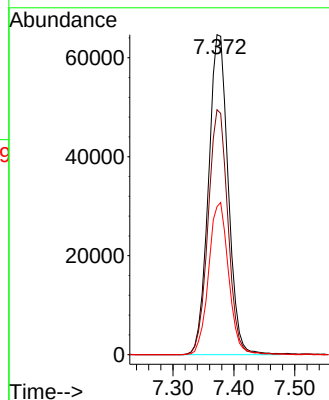
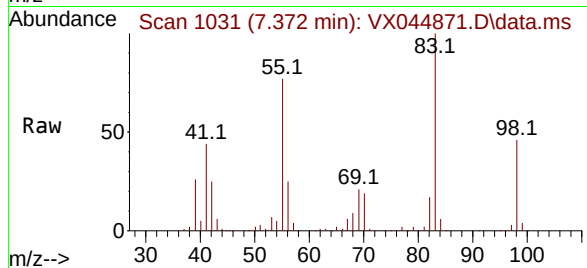
98 46.3 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 50.182 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044871.D

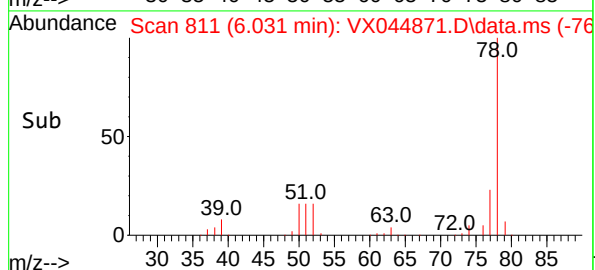
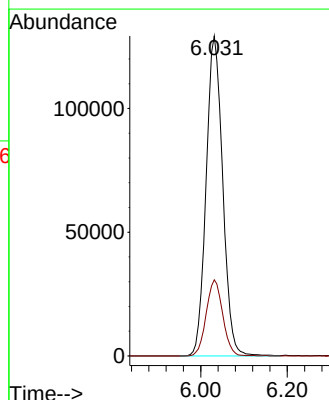
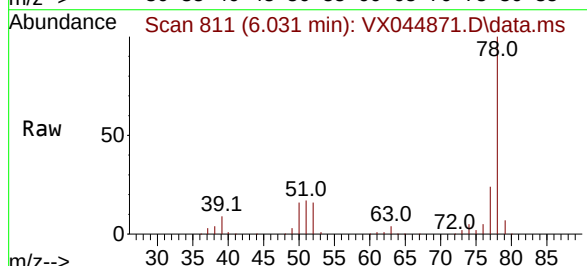
Acq: 10 Feb 2025 11:34

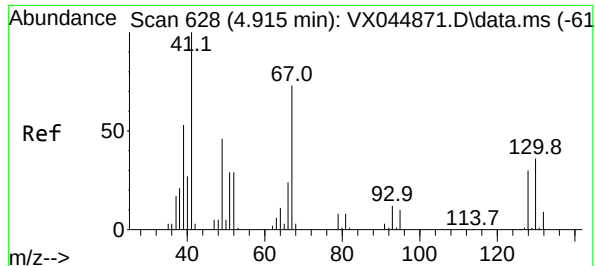
Tgt Ion: 78 Resp: 343557

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6





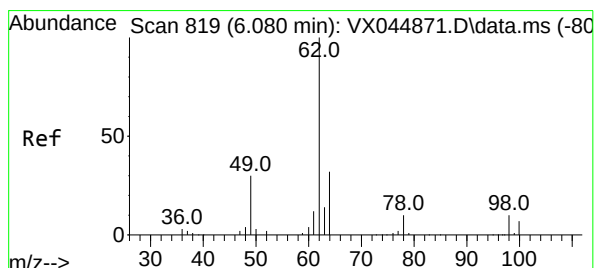
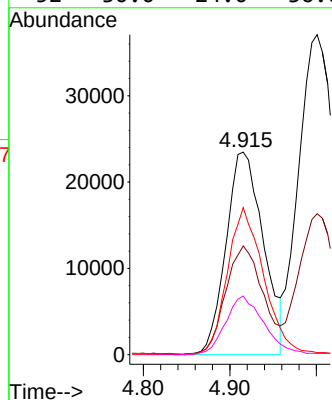
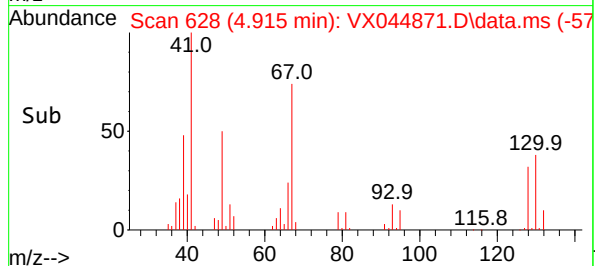
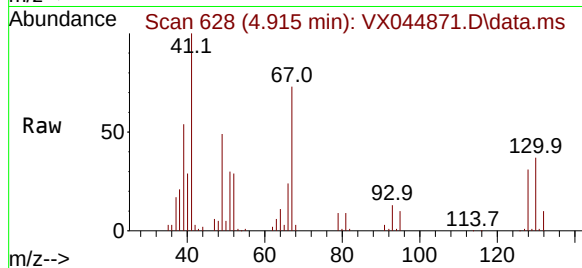
#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 70572
Ion Ratio Lower Upper
41 100
39 53.9 43.1 64.7
67 71.3 57.0 85.6
52 30.0 24.0 36.0

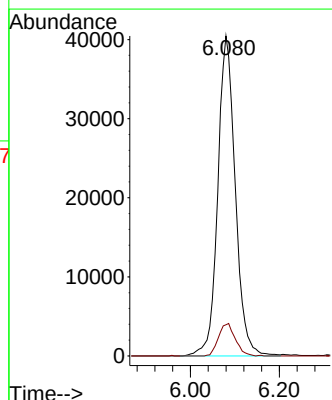
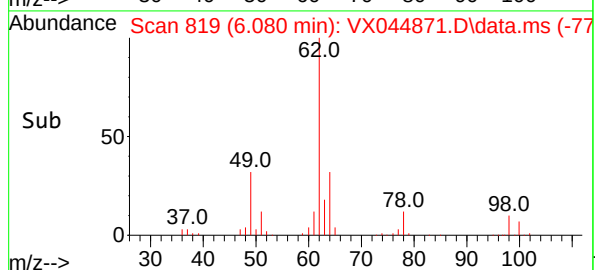
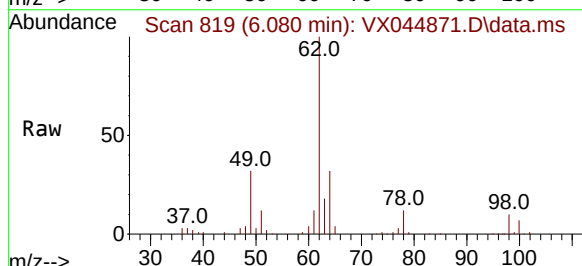
Manual Integrations
APPROVED

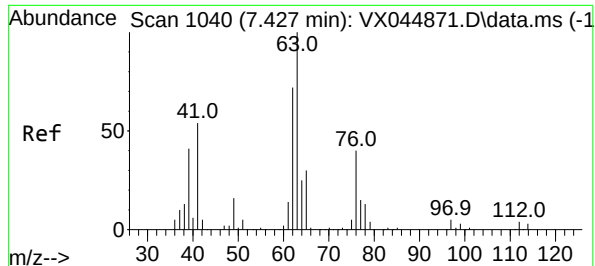
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 110347
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#45

1,2-Dichloropropane

Concen: 50.335 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 8573

Ion Ratio Lower Upper

63 100

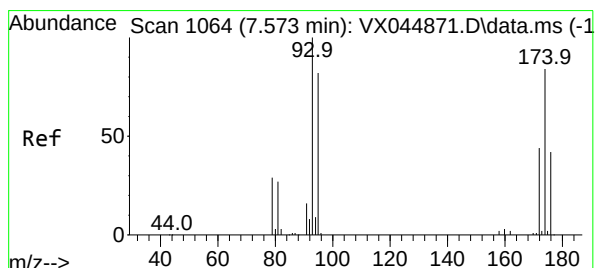
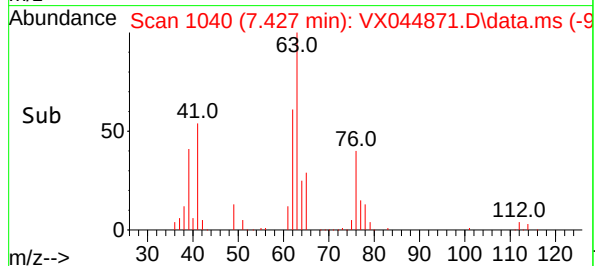
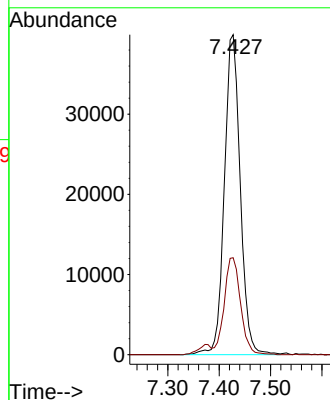
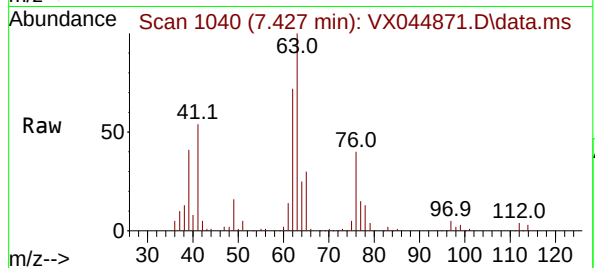
65 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 50.479 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

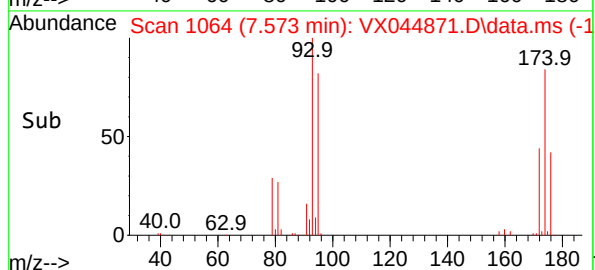
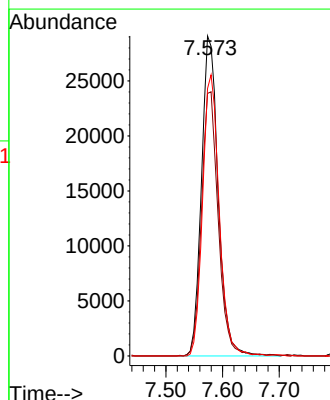
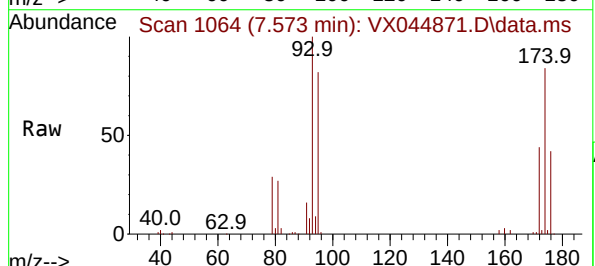
Tgt Ion: 93 Resp: 59625

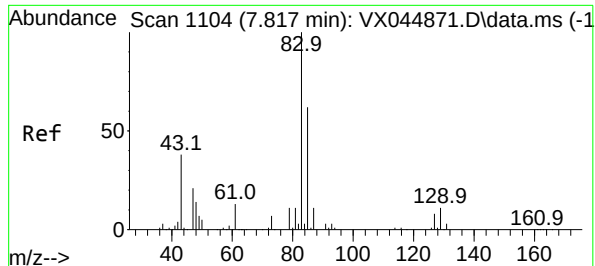
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 87.4 69.9 104.9





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

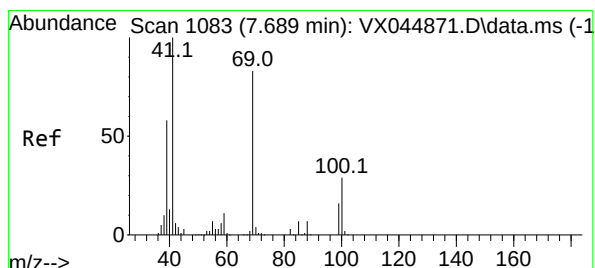
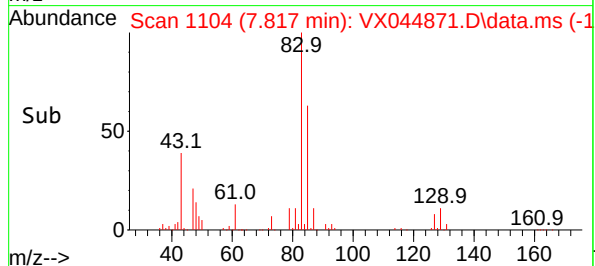
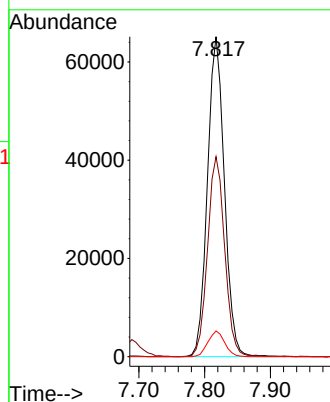
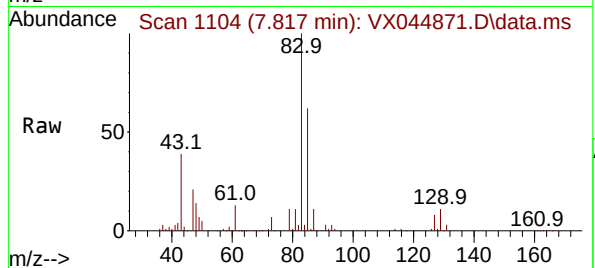
VSTDICCC050

Tgt Ion:	83	Resp:	11689
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0
127	8.0	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 53.057 ug/l

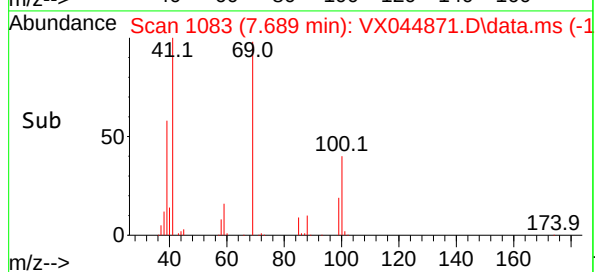
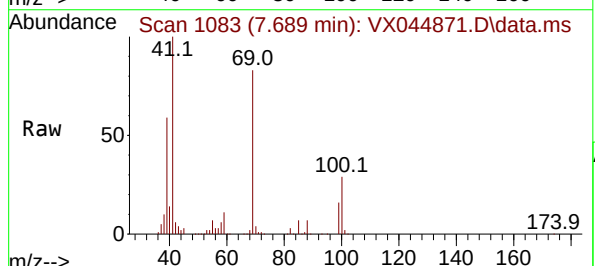
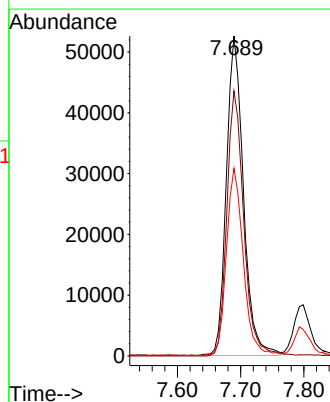
RT: 7.689 min Scan# 1083

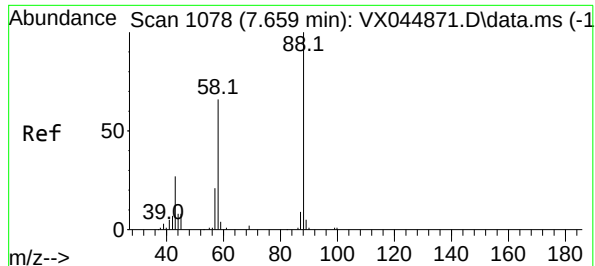
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	41	Resp:	98519
Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.8	98.8
39	58.0	46.4	69.6





#49

1,4-Dioxane

Concen: 1056.618 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

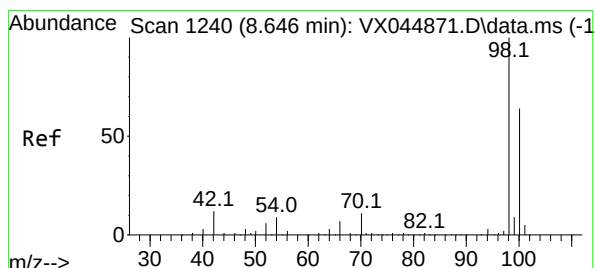
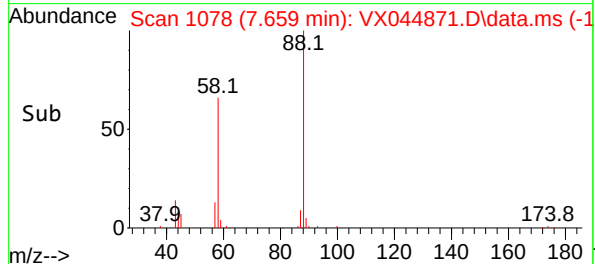
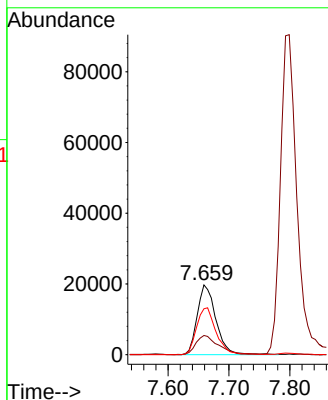
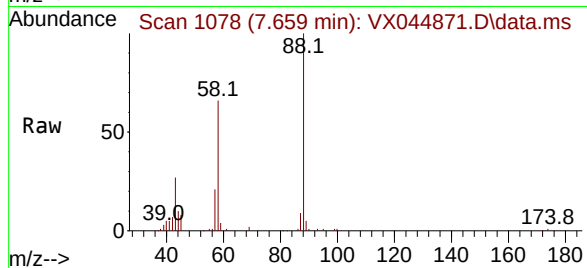
VSTDICCC050

Tgt Ion:	88	Resp:	42094
Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.9	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 50.392 ug/l

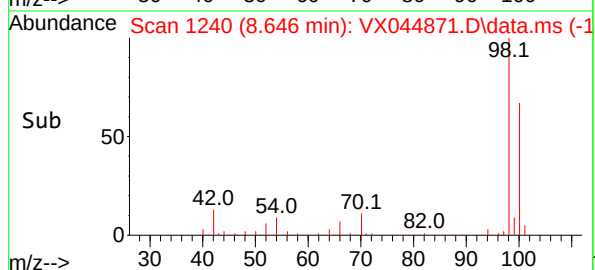
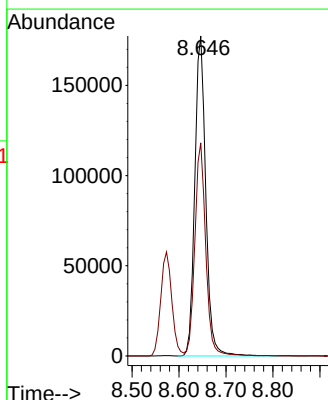
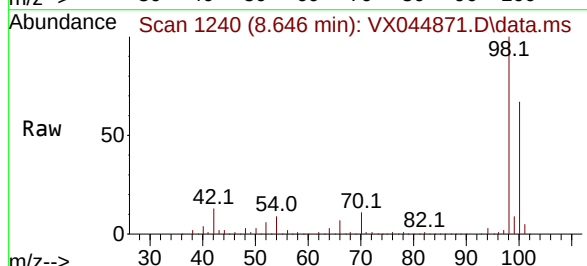
RT: 8.646 min Scan# 1240

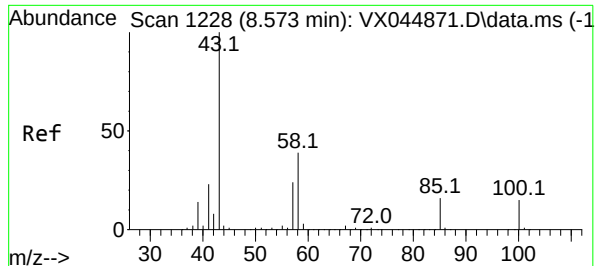
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	98	Resp:	289575
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





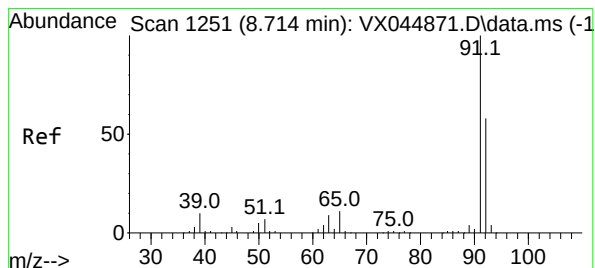
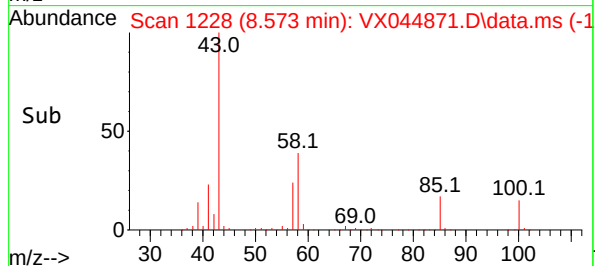
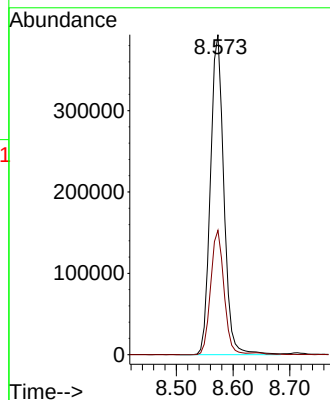
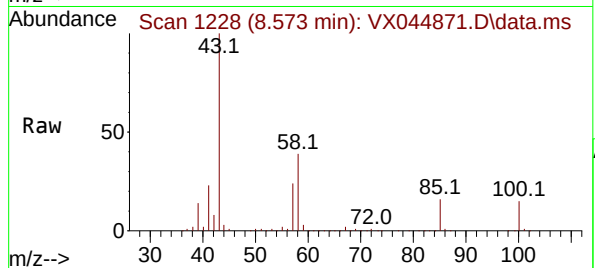
#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 64728
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2

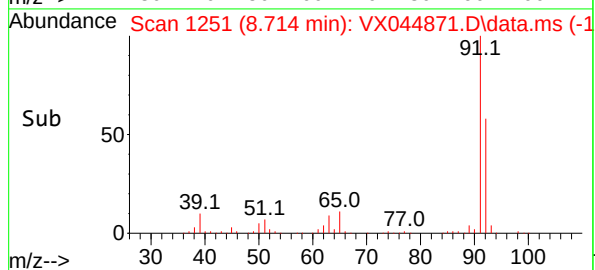
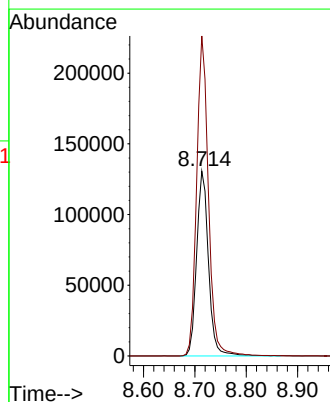
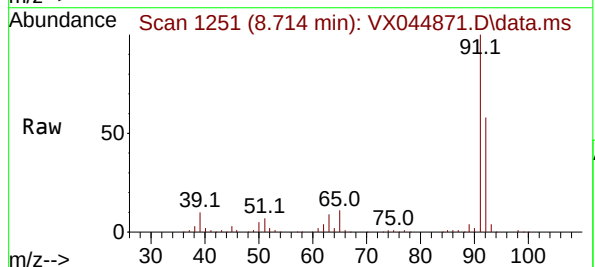
Manual Integrations
APPROVED

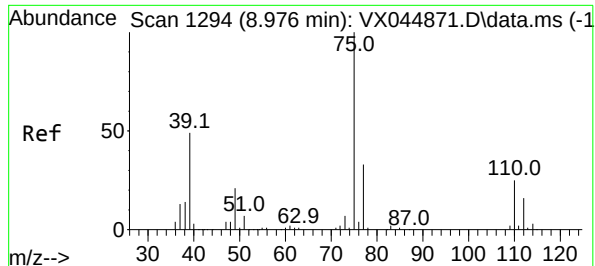
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 92 Resp: 210007
Ion Ratio Lower Upper
92 100
91 171.8 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 51.902 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 12012

Ion Ratio Lower Upper

75 100

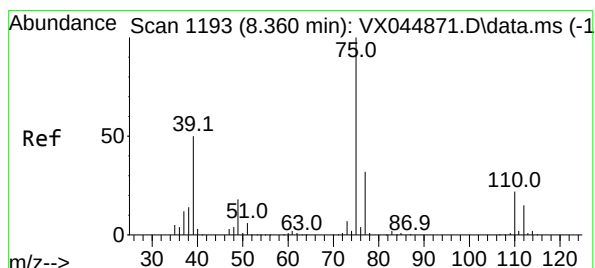
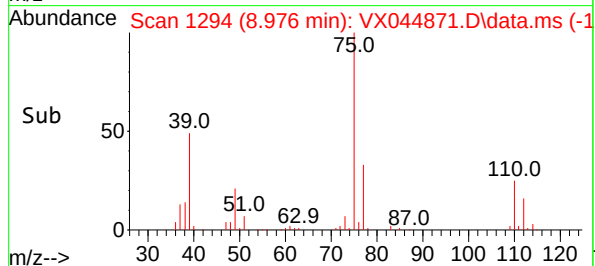
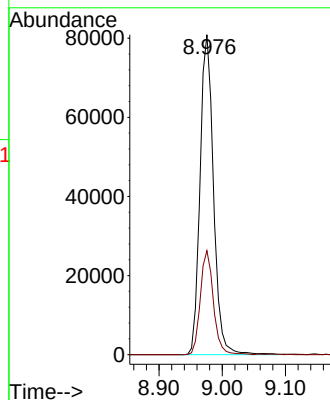
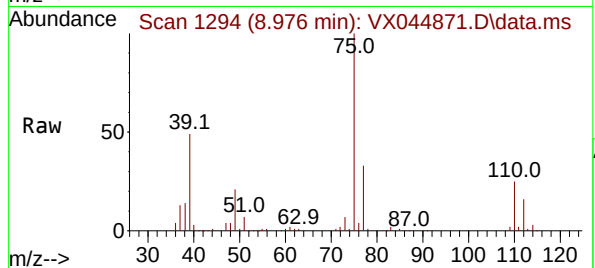
77 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 52.223 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

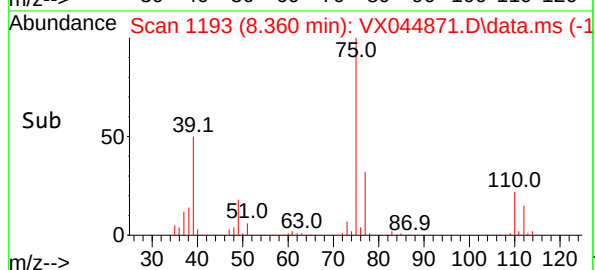
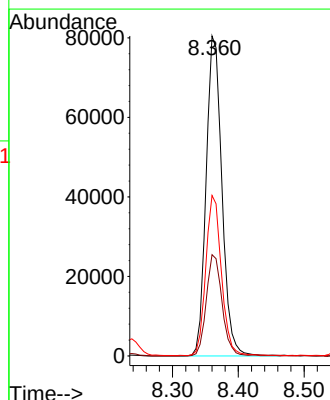
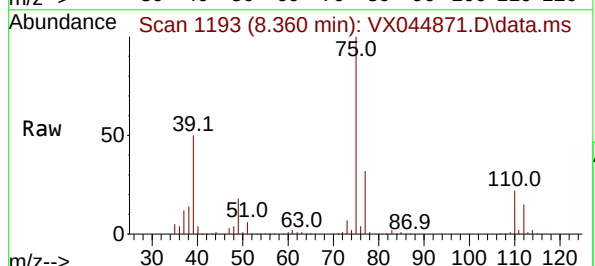
Tgt Ion: 75 Resp: 134763

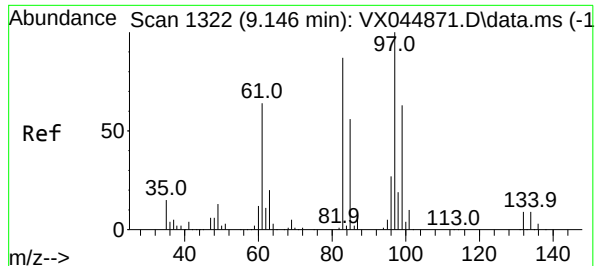
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 50.0 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 50.876 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 7974

Ion Ratio Lower Upper

97 100

83 87.2 69.8 104.6

85 56.0 44.8 67.2

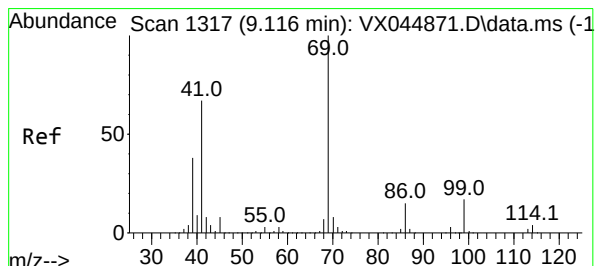
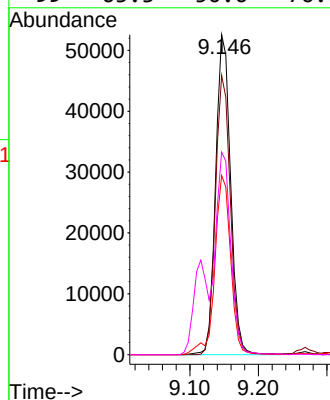
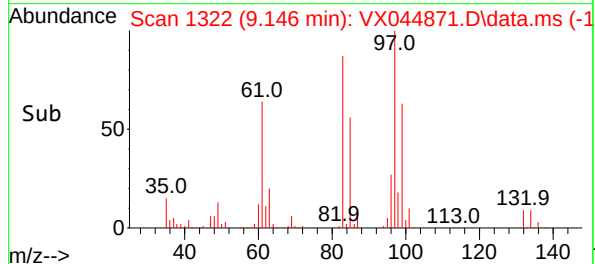
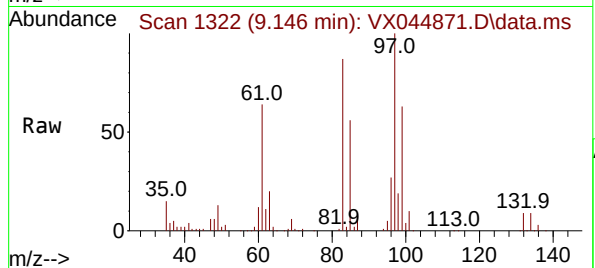
99 63.3 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 53.319 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

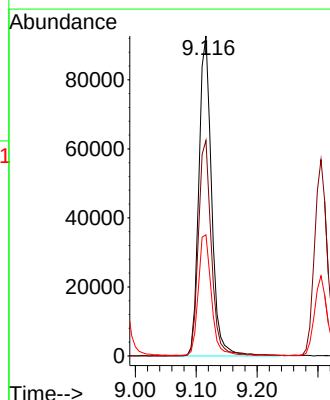
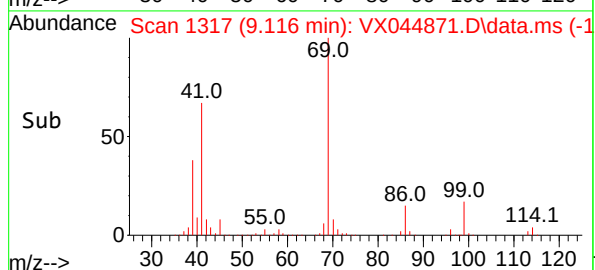
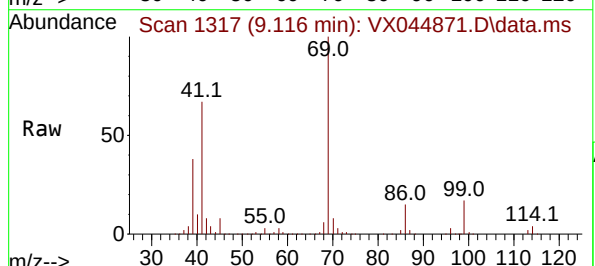
Tgt Ion: 69 Resp: 134975

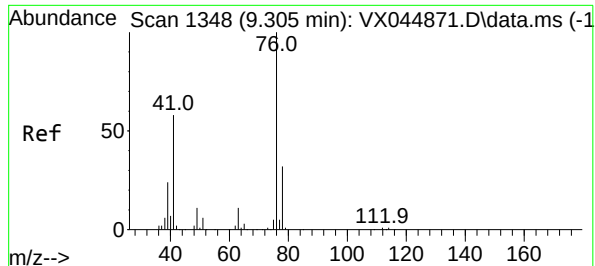
Ion Ratio Lower Upper

69 100

41 69.0 55.2 82.8

39 38.5 30.8 46.2





#57

1,3-Dichloropropane

Concen: 51.537 ug/l

RT: 9.305 min Scan# 11133

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 14133

Ion Ratio Lower Upper

76 100

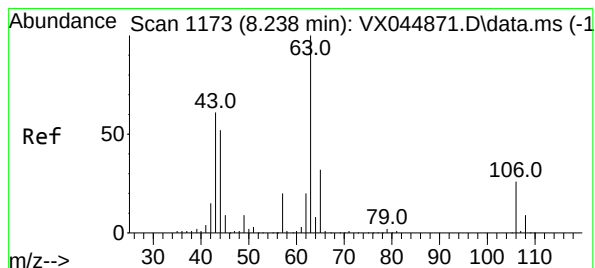
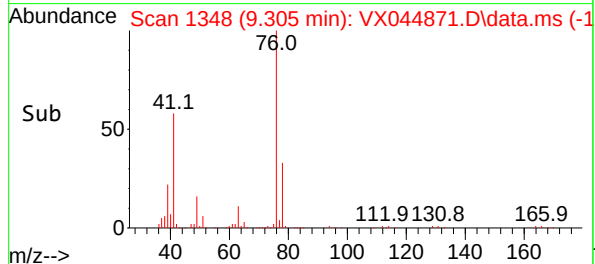
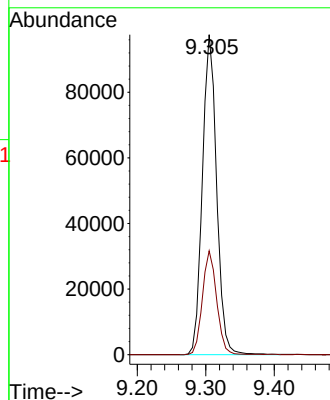
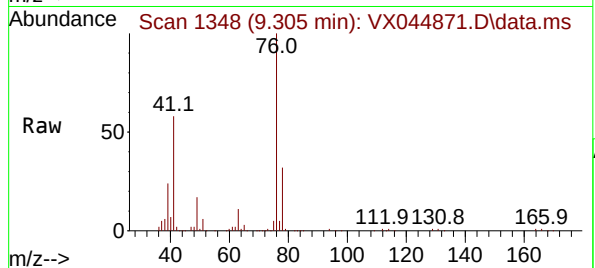
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 270.652 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044871.D

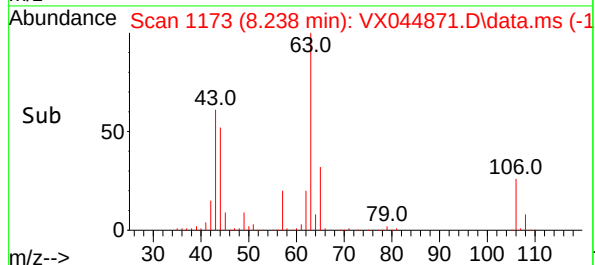
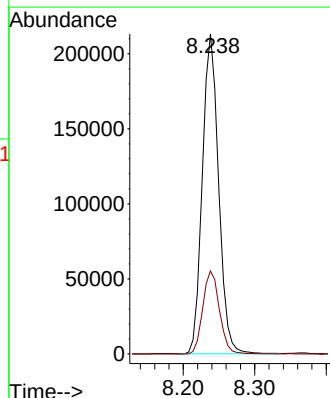
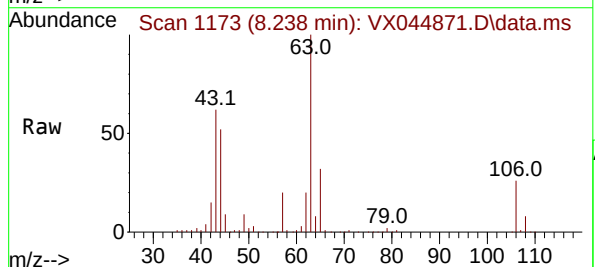
Acq: 10 Feb 2025 11:34

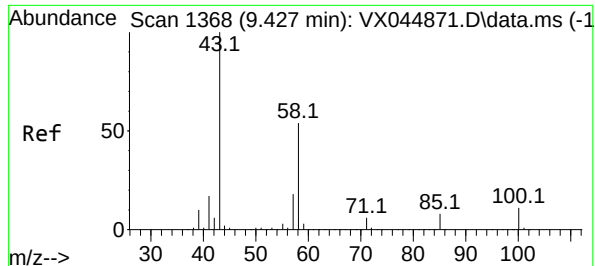
Tgt Ion: 63 Resp: 336412

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 273.800 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 47230

Ion Ratio Lower Upper

43 100

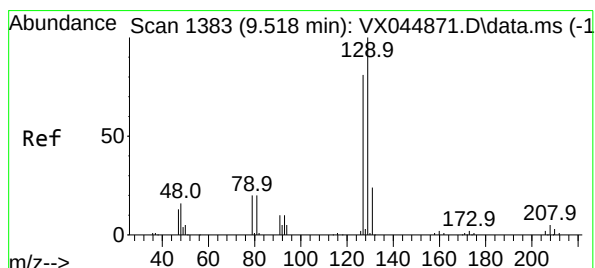
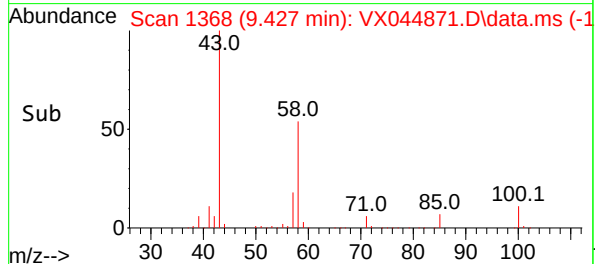
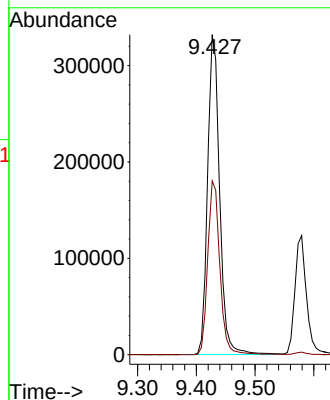
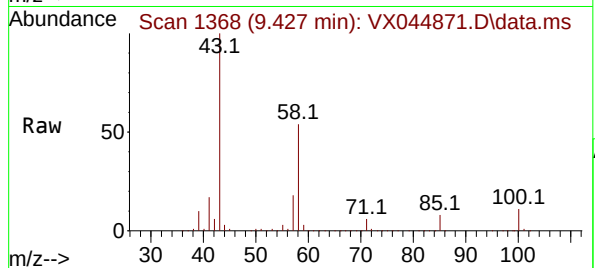
58 54.9 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 52.045 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044871.D

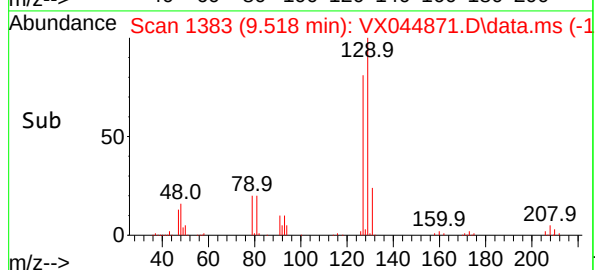
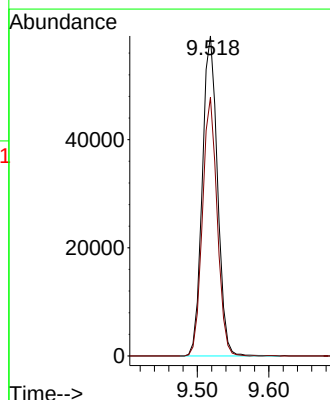
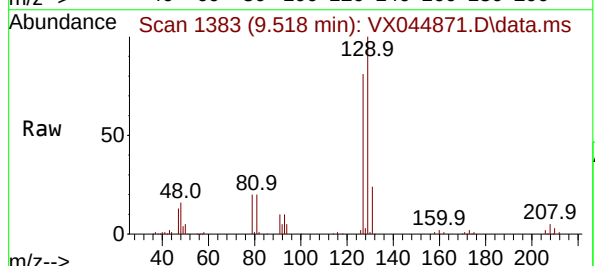
Acq: 10 Feb 2025 11:34

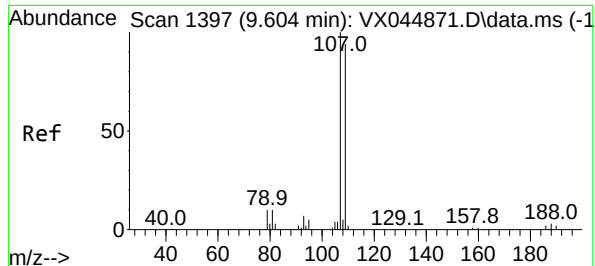
Tgt Ion:129 Resp: 87240

Ion Ratio Lower Upper

129 100

127 78.2 39.1 117.3





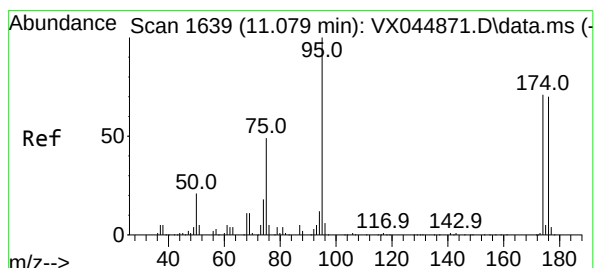
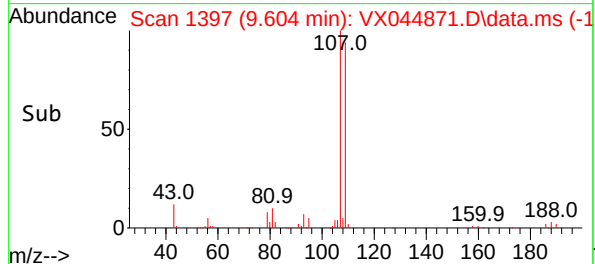
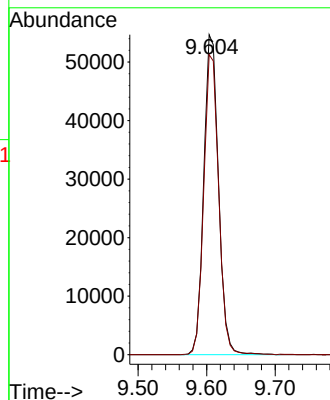
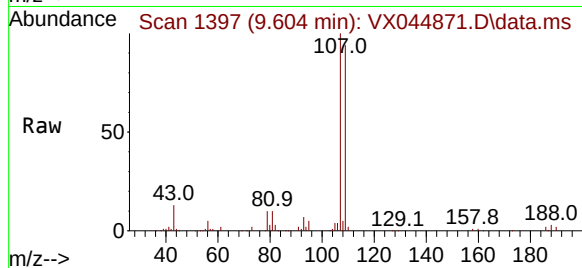
#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 81915
Ion Ratio Lower Upper
107 100
109 94.9 75.9 113.9

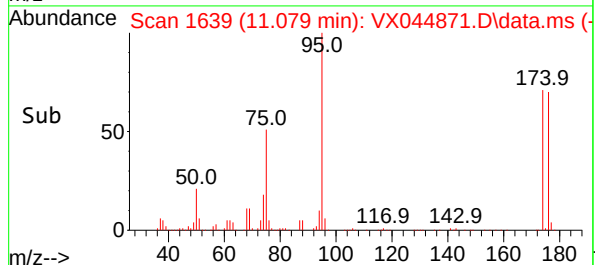
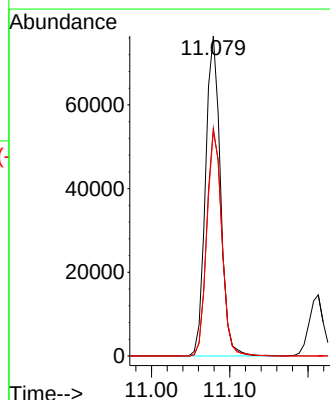
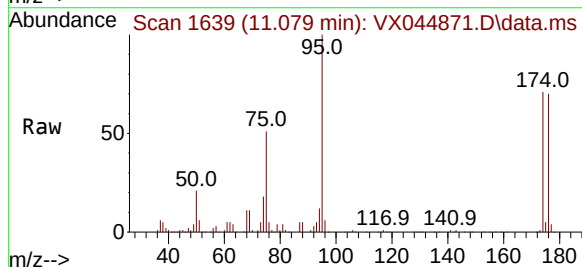
Manual Integrations
APPROVED

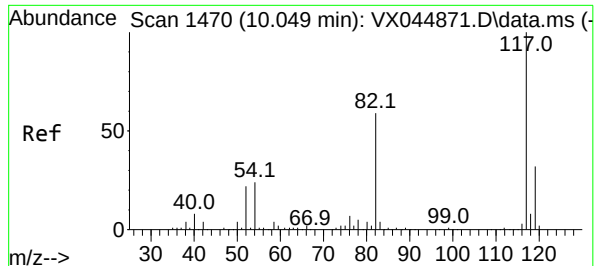
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 70.8 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

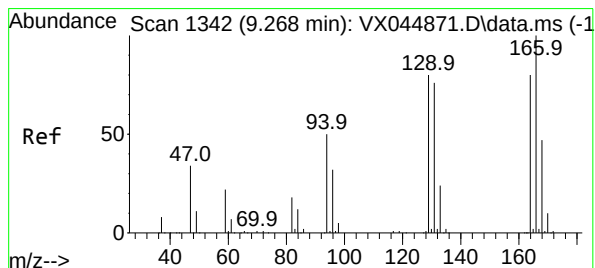
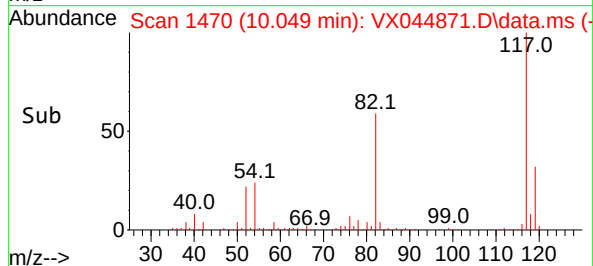
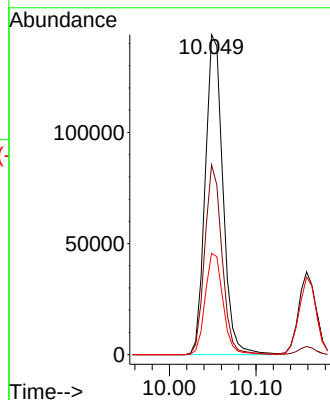
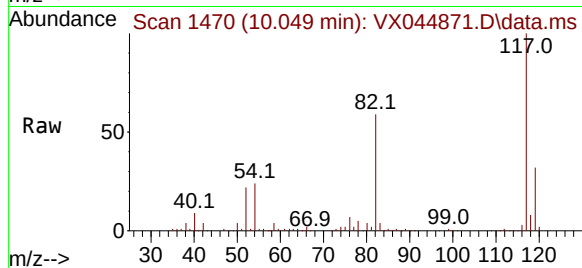
VSTDICCC050

Tgt Ion:	117	Resp:	20475
Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.5	71.3
119	31.7	25.4	38.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 49.206 ug/l

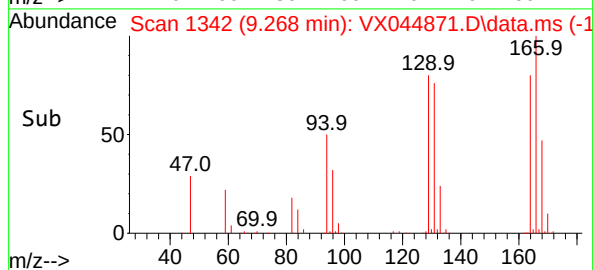
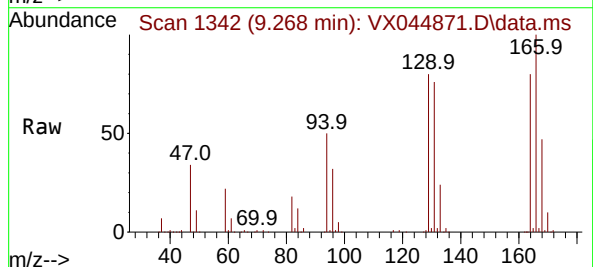
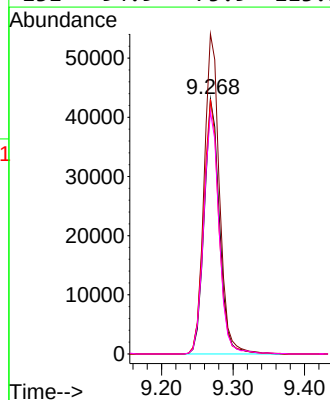
RT: 9.268 min Scan# 1342

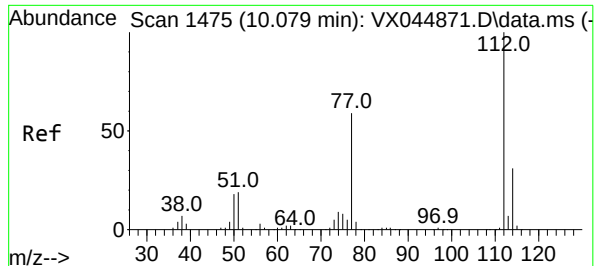
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	164	Resp:	63537
Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.9	79.9	119.9
131	94.9	75.9	113.9





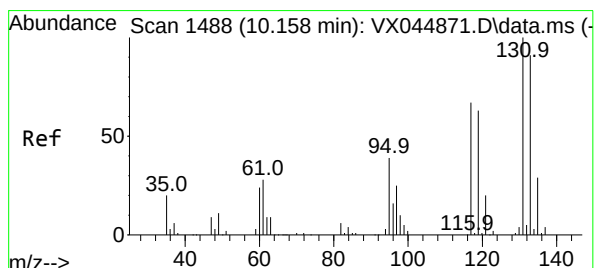
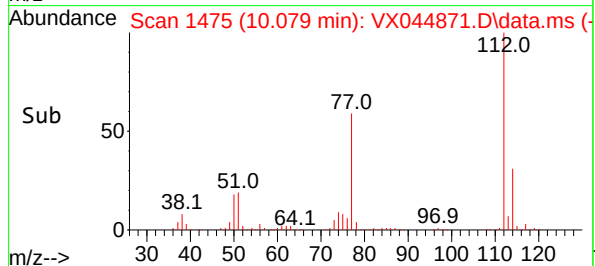
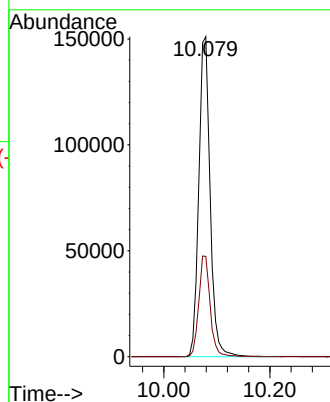
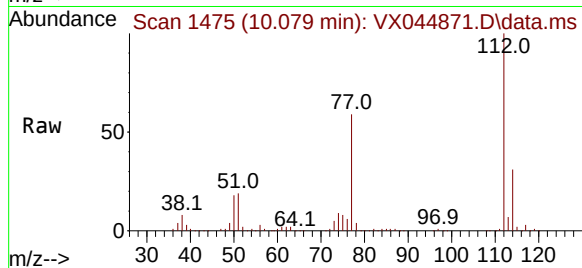
#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 224300
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

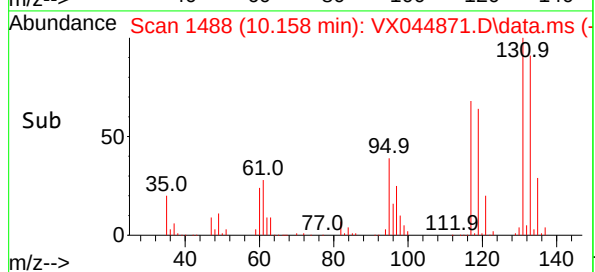
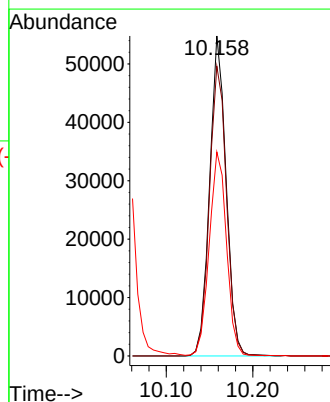
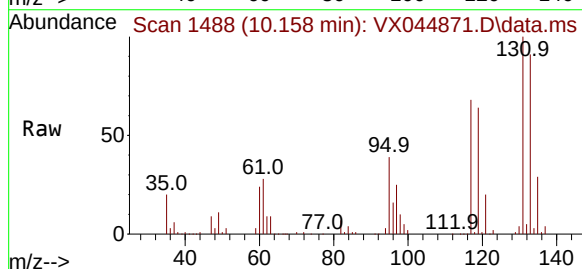
Manual Integrations
APPROVED

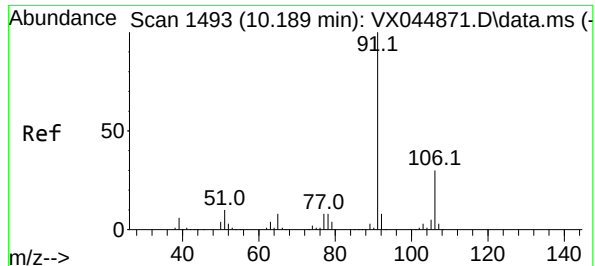
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.203 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:131 Resp: 72478
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 67.1 33.6 100.6





#67

Ethyl Benzene

Concen: 51.061 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 396269

Ion Ratio Lower Upper

91 100

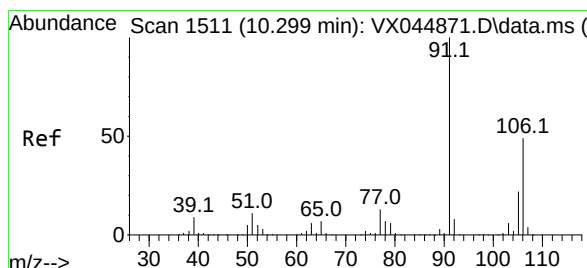
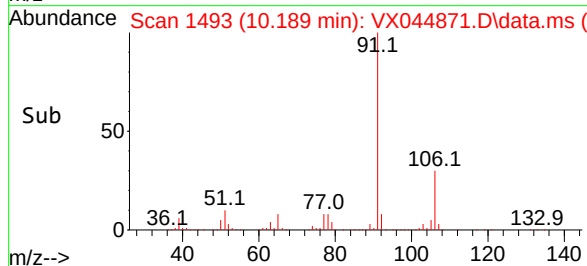
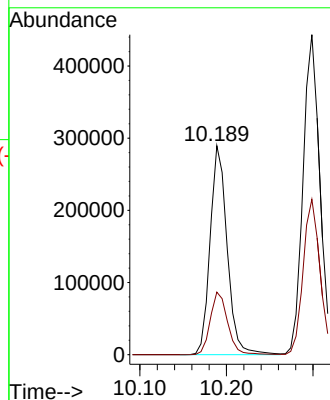
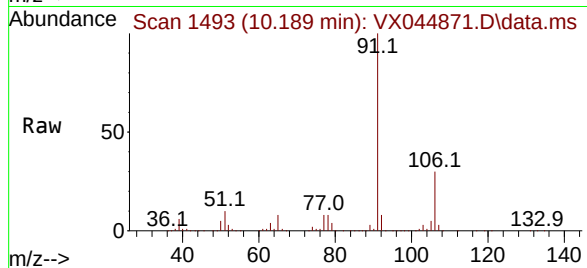
106 29.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 103.573 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044871.D

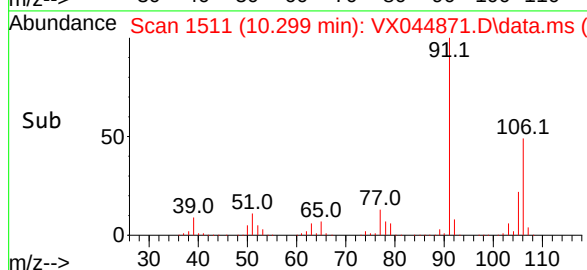
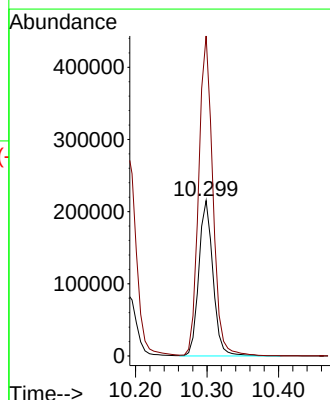
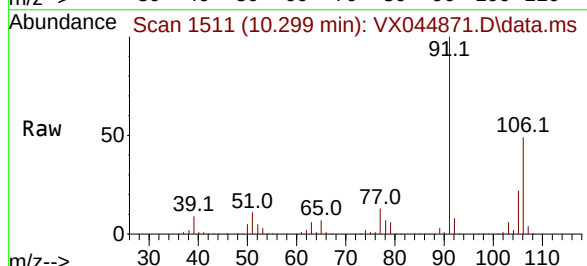
Acq: 10 Feb 2025 11:34

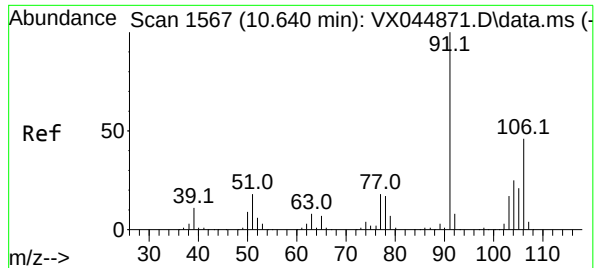
Tgt Ion:106 Resp: 296507

Ion Ratio Lower Upper

106 100

91 205.4 164.3 246.5





#69

o-Xylene

Concen: 50.409 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 144802

Ion Ratio Lower Upper

106 100

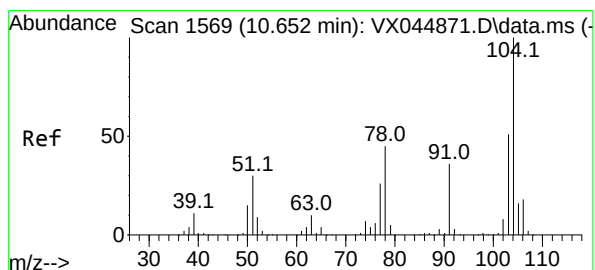
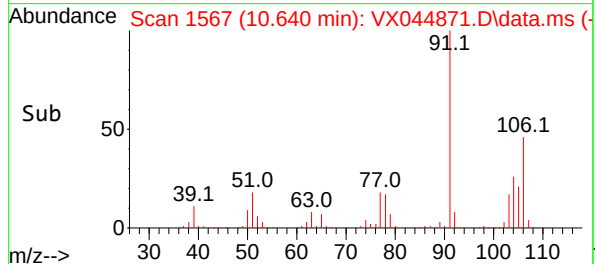
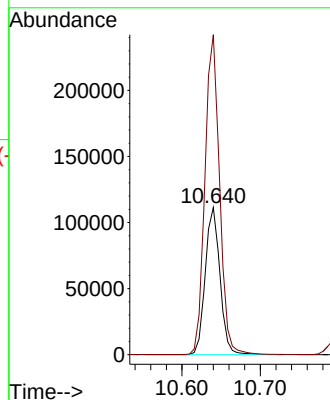
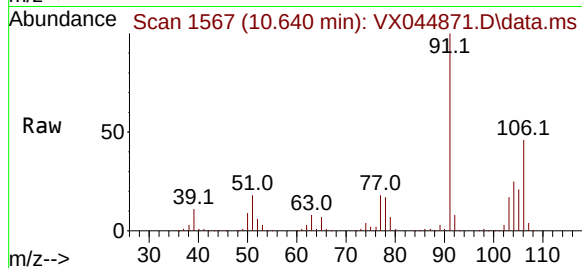
91 217.0 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 53.051 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

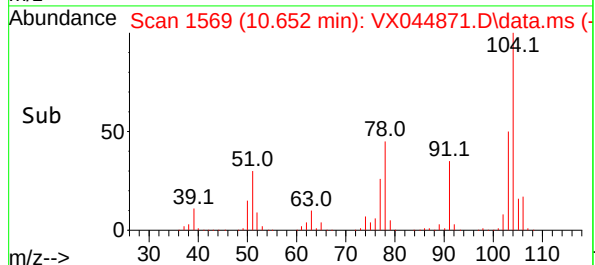
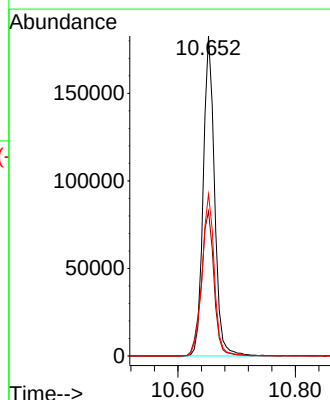
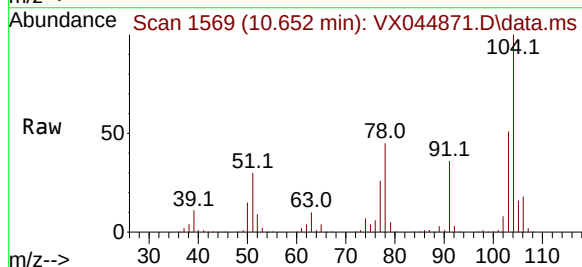
Tgt Ion:104 Resp: 245518

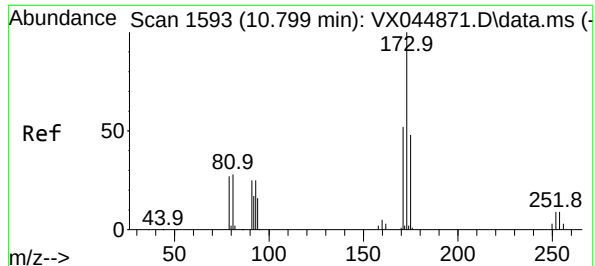
Ion Ratio Lower Upper

104 100

78 50.6 40.5 60.7

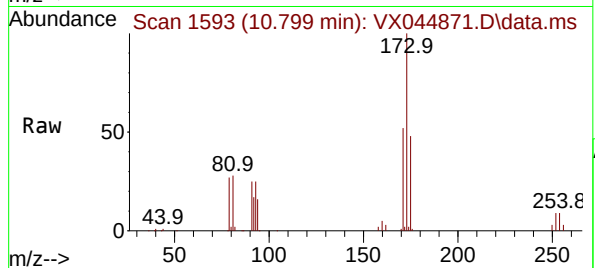
103 54.5 43.6 65.4





#71
Bromoform
Concen: 54.352 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

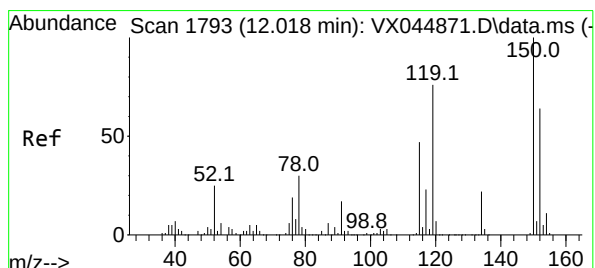
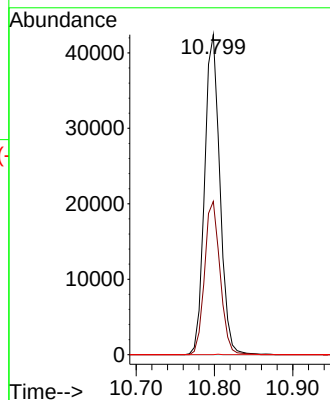
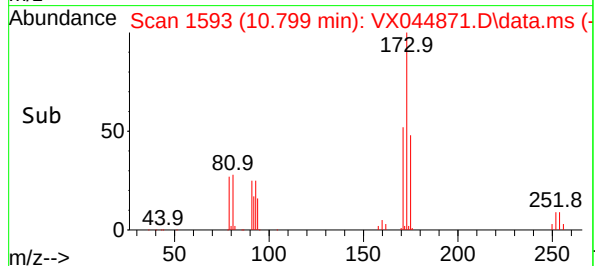
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 5741
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.8
254 0.0 0.0 0.0

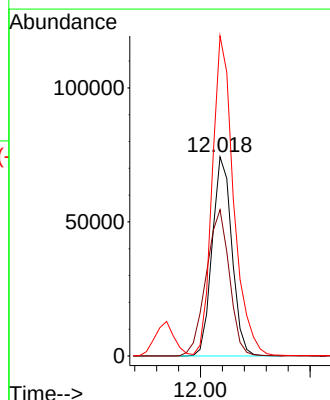
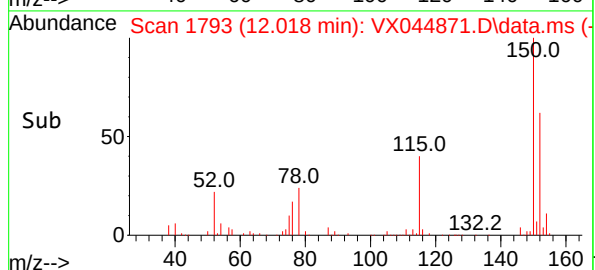
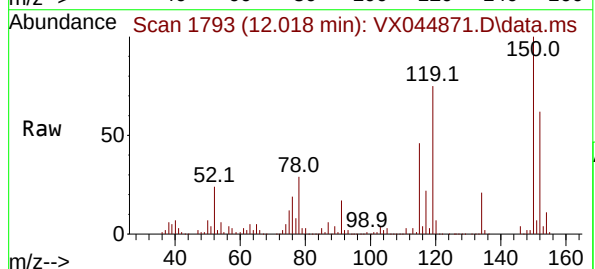
Manual Integrations
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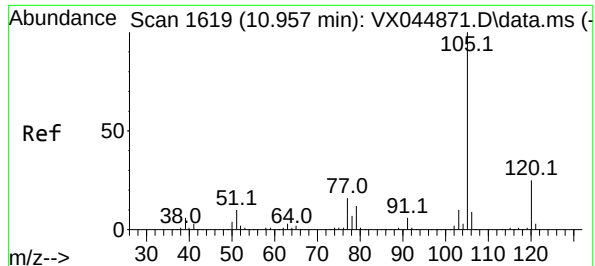
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:152 Resp: 92648
Ion Ratio Lower Upper
152 100
115 86.7 43.4 130.1
150 175.2 0.0 350.4





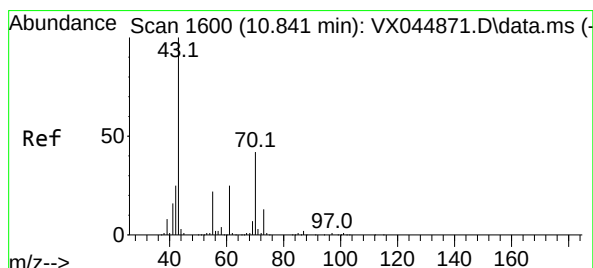
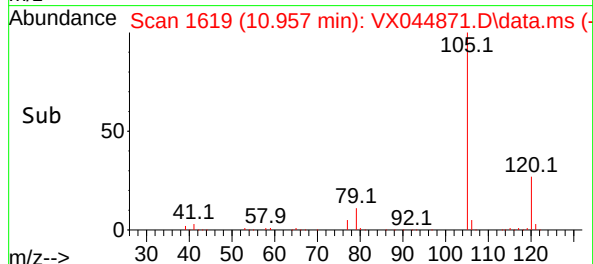
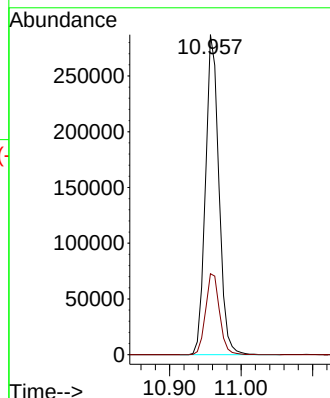
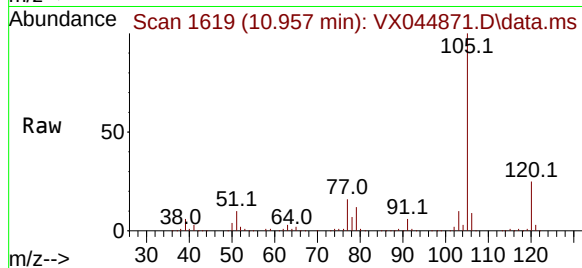
#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 374770
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

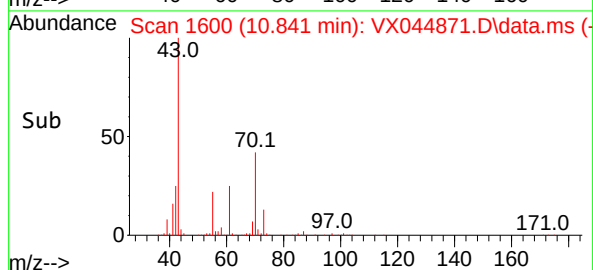
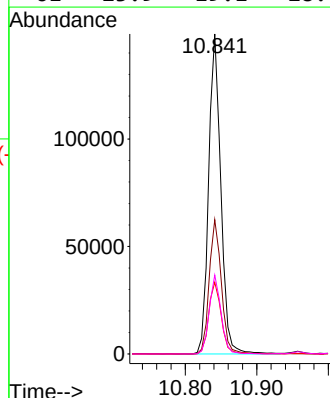
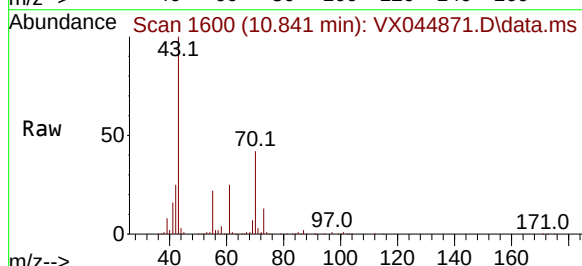
Manual Integrations
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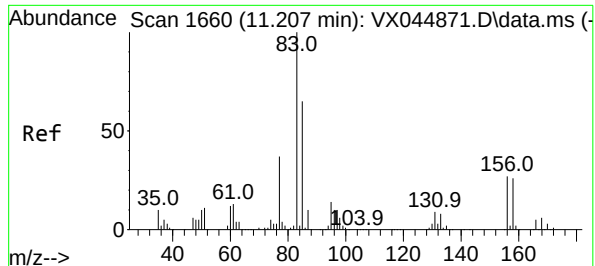
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 52.189 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174
Ion Ratio Lower Upper
43 100
70 42.1 33.7 50.5
55 23.2 18.6 27.8
61 23.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.364 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 12654

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

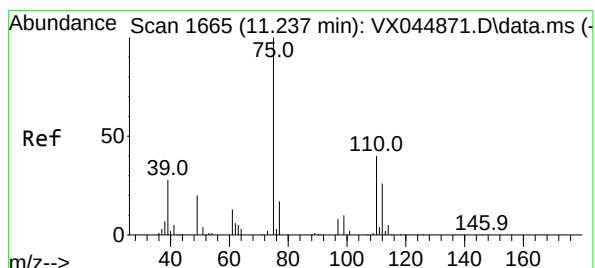
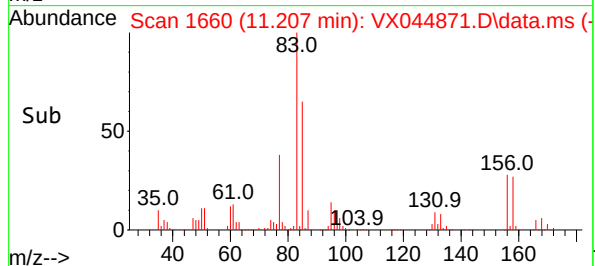
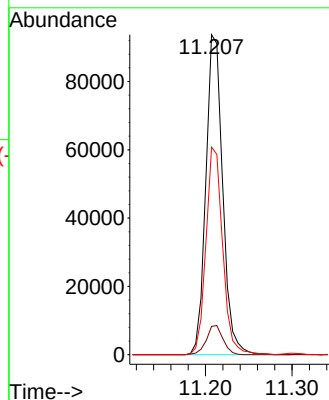
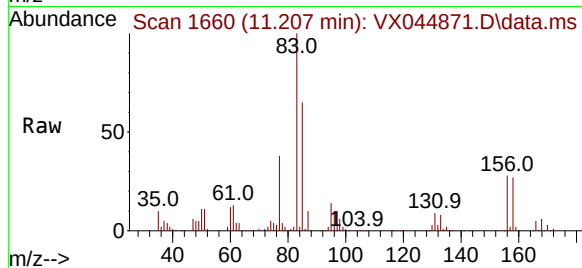
85 64.5 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#76

1,2,3-Trichloropropane

Concen: 49.903 ug/l m

RT: 11.237 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044871.D

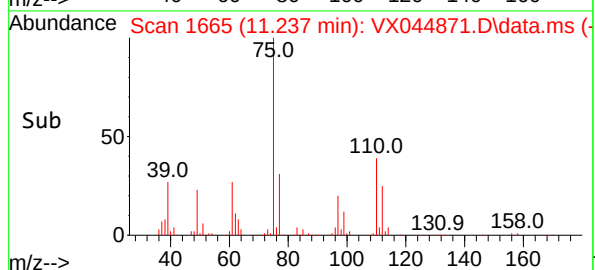
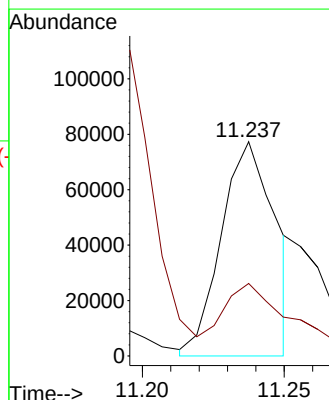
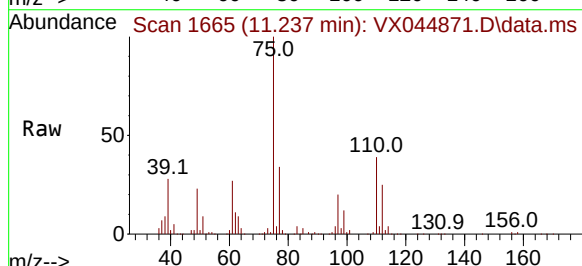
Acq: 10 Feb 2025 11:34

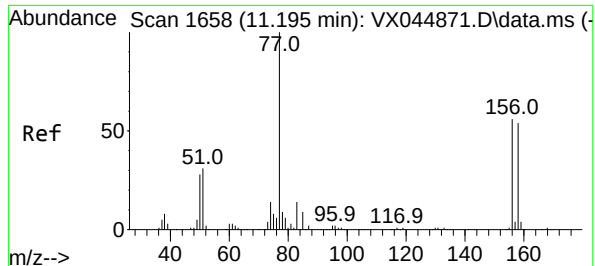
Tgt Ion: 75 Resp: 102508

Ion Ratio Lower Upper

75 100

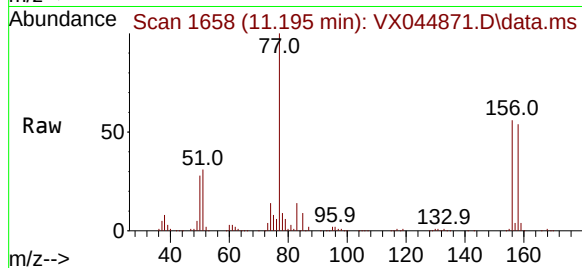
77 43.8 21.9 65.7





#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

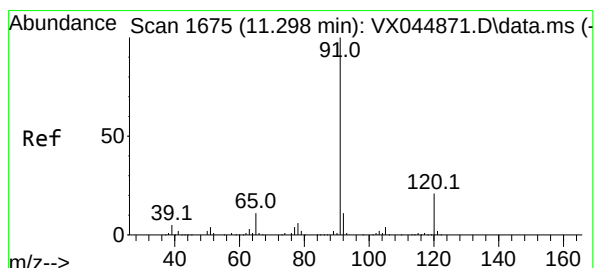
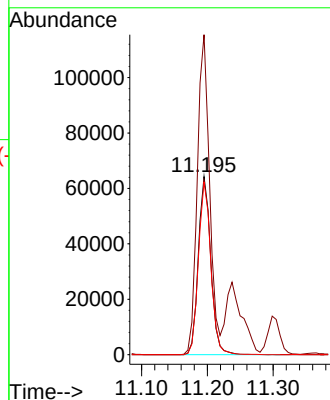
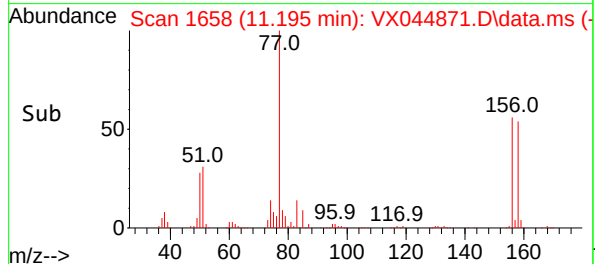
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 84448
Ion Ratio Lower Upper
156 100
77 176.9 88.4 265.3
158 96.8 48.4 145.2

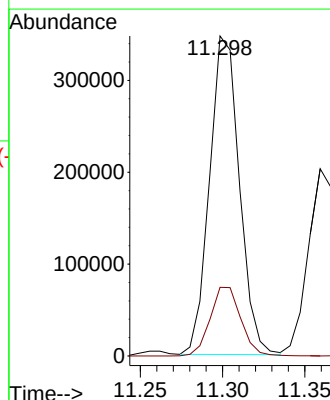
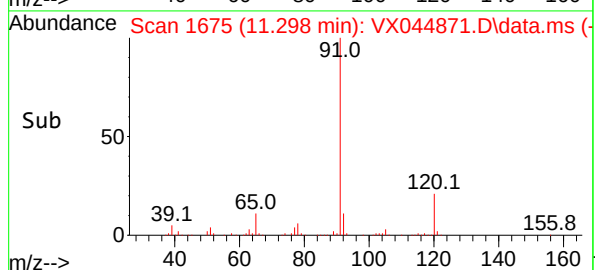
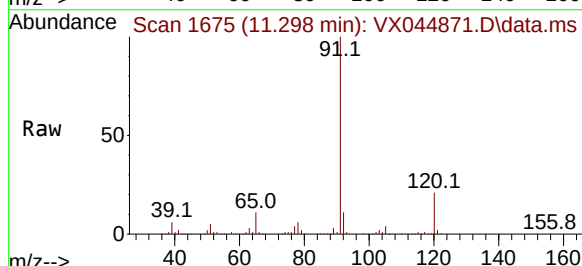
Manual Integrations
APPROVED

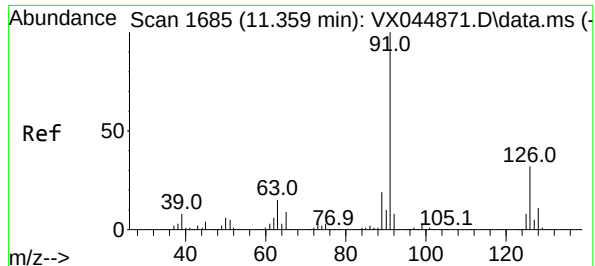
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 437572
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3





#79

2-Chlorotoluene

Concen: 49.749 ug/l

RT: 11.359 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 263269

Ion Ratio Lower Upper

91 100

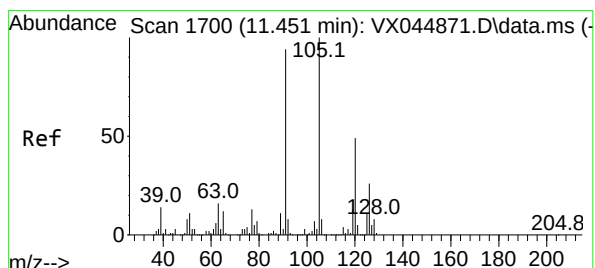
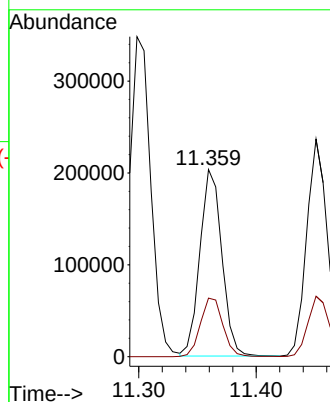
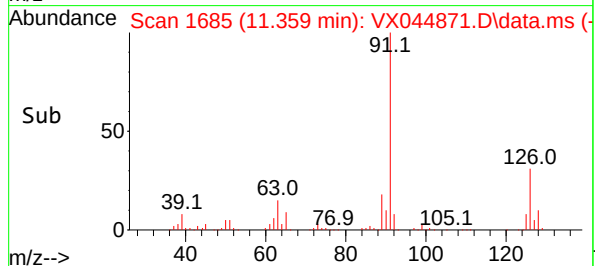
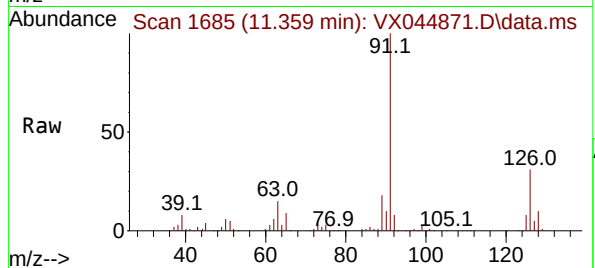
126 32.4 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.789 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044871.D

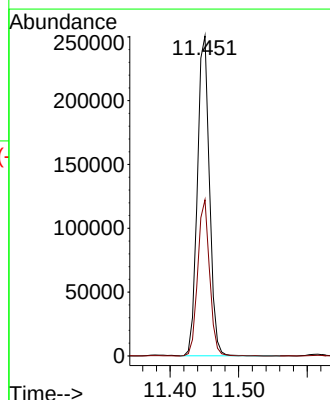
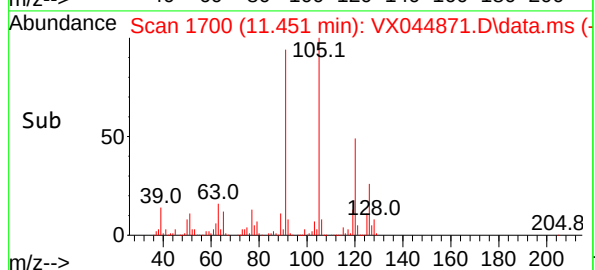
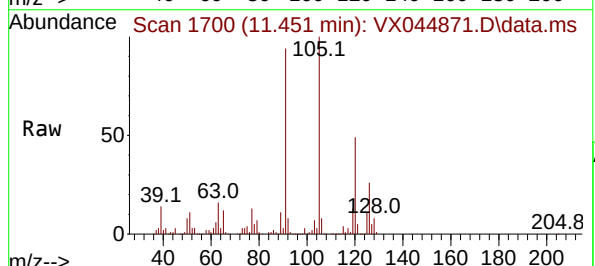
Acq: 10 Feb 2025 11:34

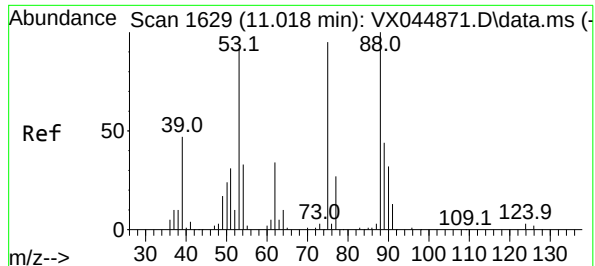
Tgt Ion:105 Resp: 307465

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0





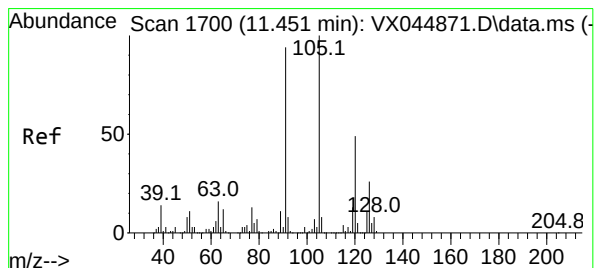
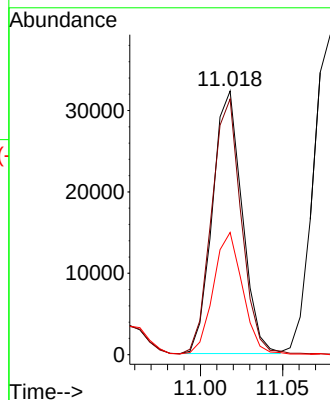
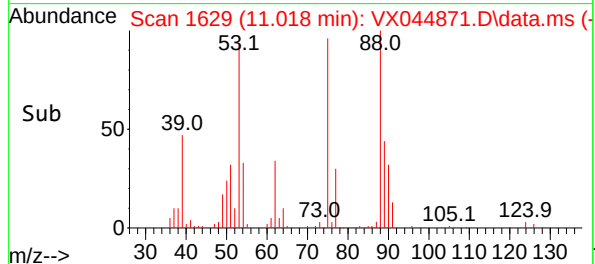
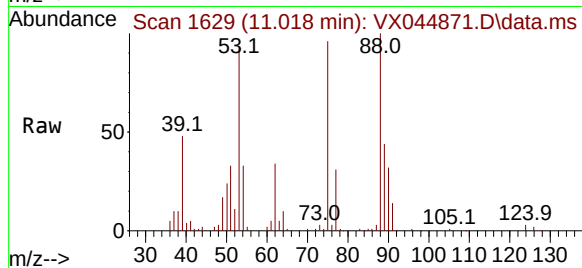
#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 4048
Ion Ratio Lower Upper
75 100
53 97.5 78.0 117.0
89 45.7 36.6 54.8

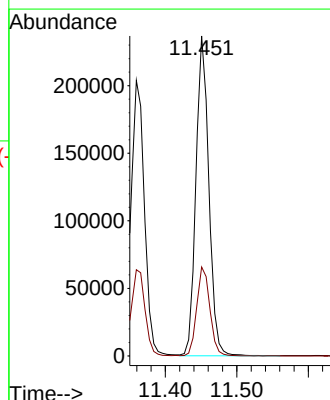
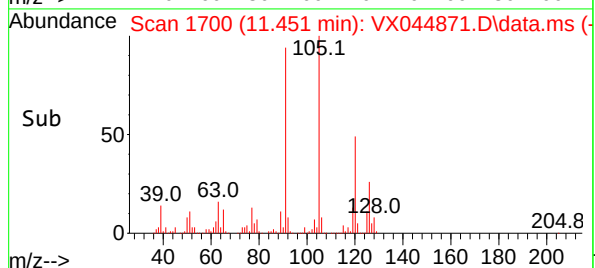
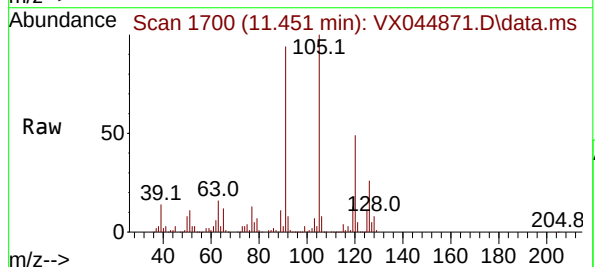
Manual Integrations
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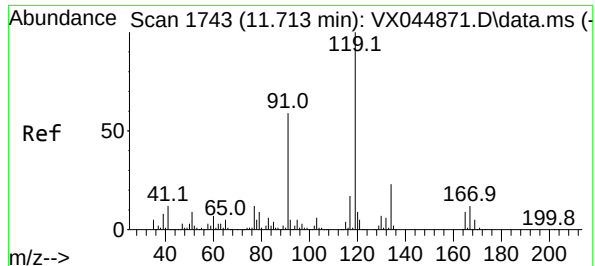
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.102 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 306830

Ion Ratio Lower Upper

119 100

91 58.3 29.1 87.4

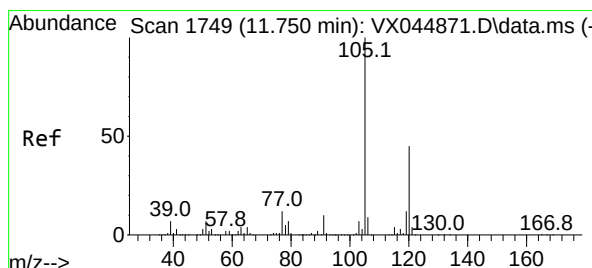
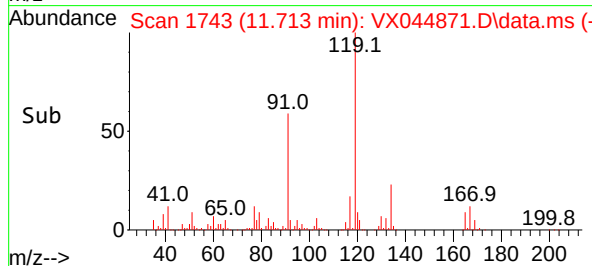
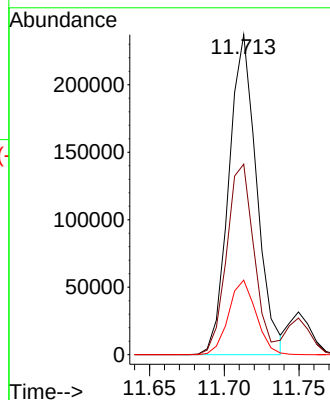
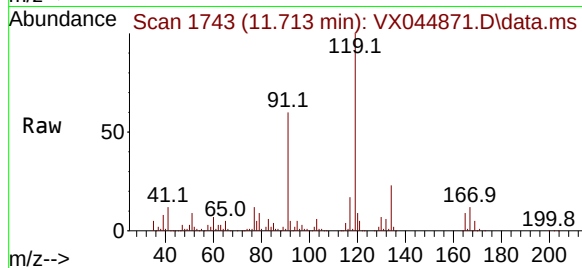
134 23.0 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.085 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044871.D

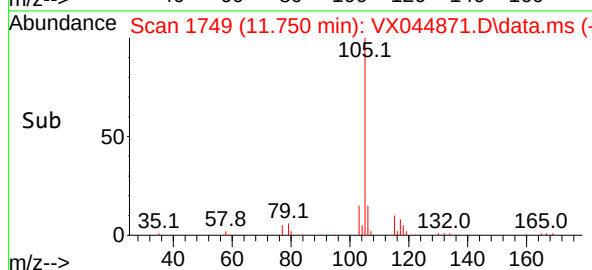
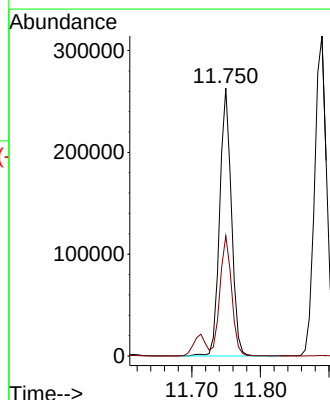
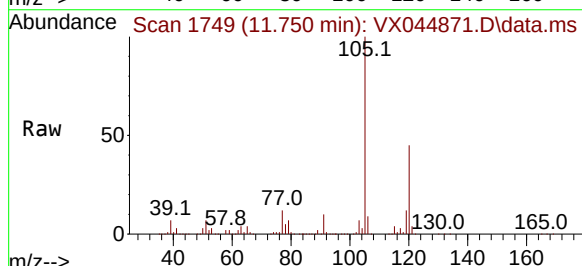
Acq: 10 Feb 2025 11:34

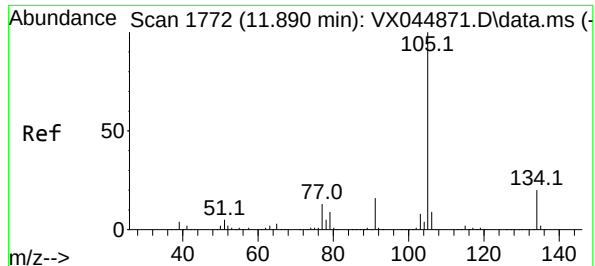
Tgt Ion:105 Resp: 311205

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 50.657 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 38415

Ion Ratio Lower Upper

105 100

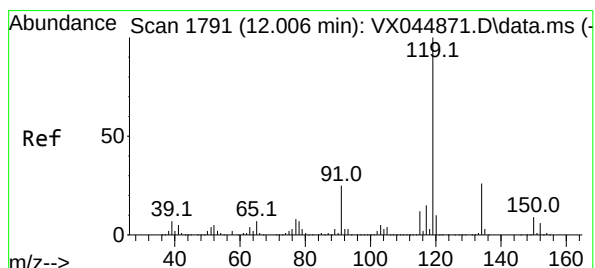
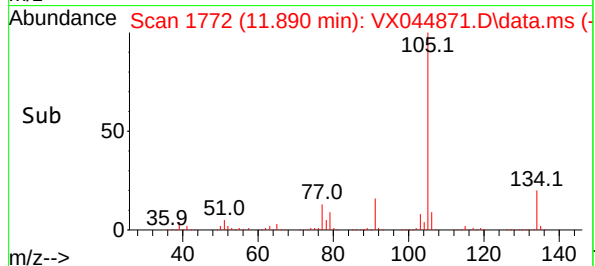
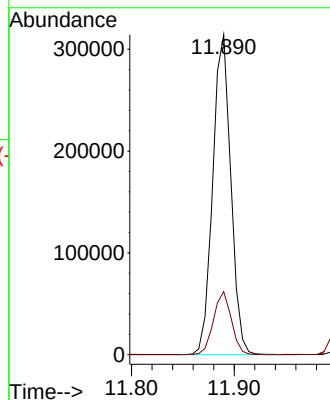
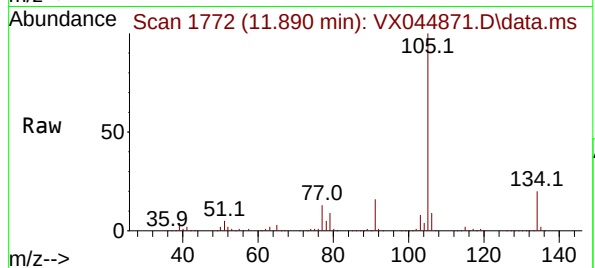
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 51.689 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

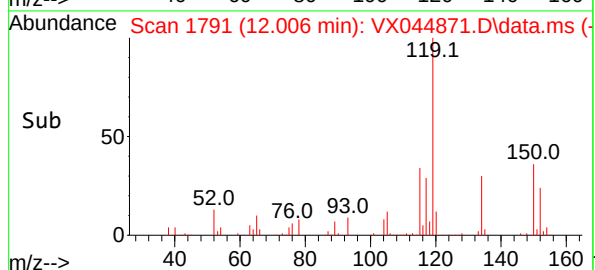
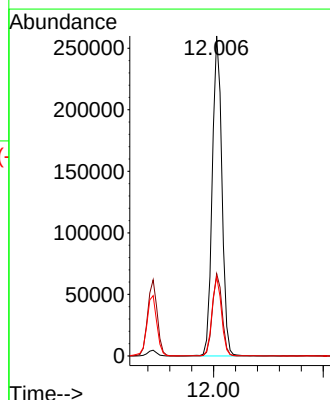
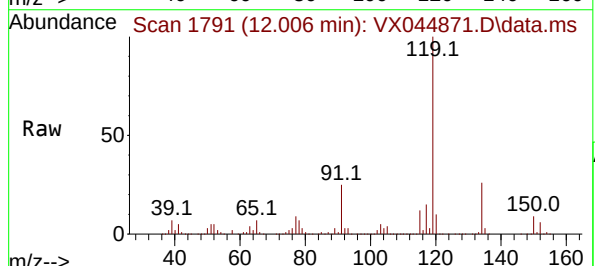
Tgt Ion:119 Resp: 315226

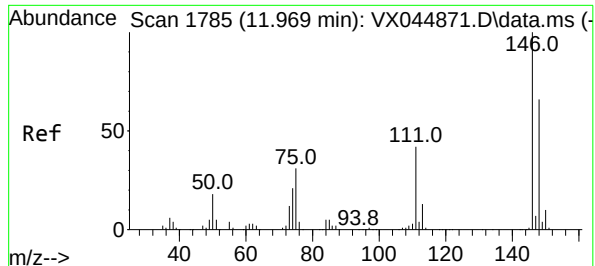
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.021 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 155579

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

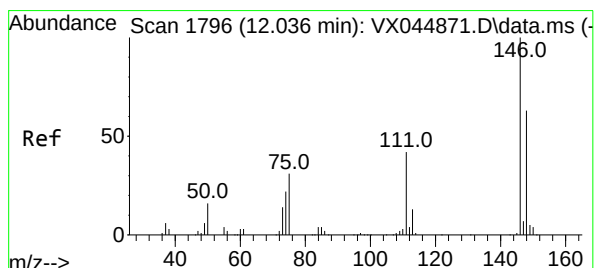
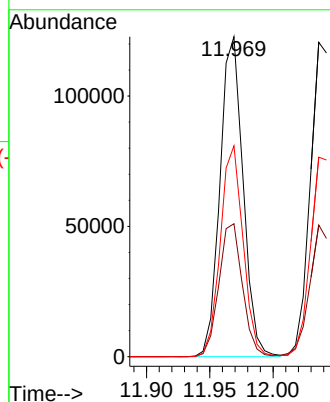
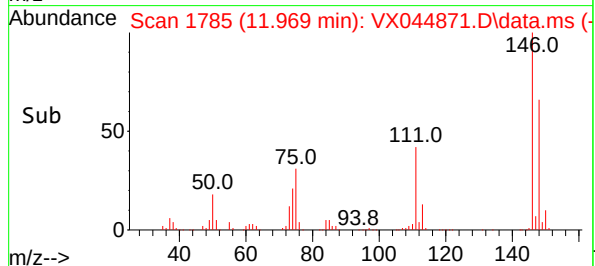
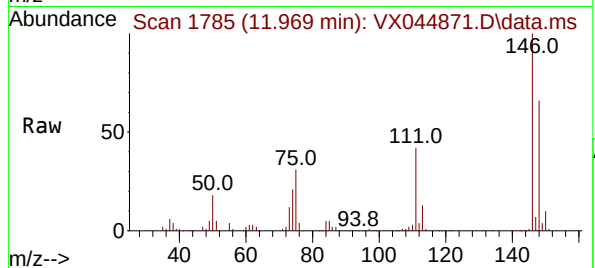
148 65.0 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 49.657 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

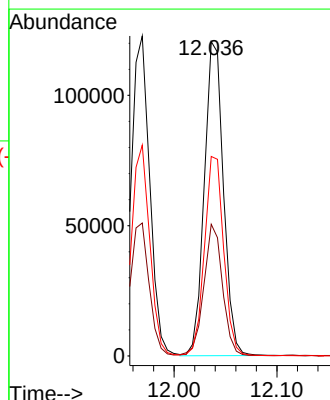
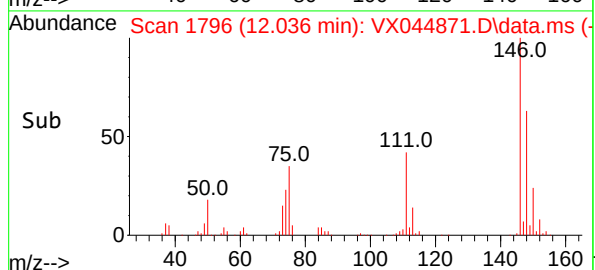
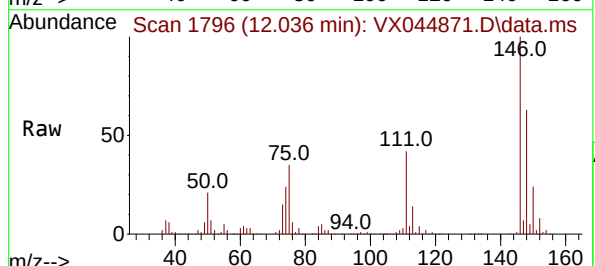
Tgt Ion:146 Resp: 156162

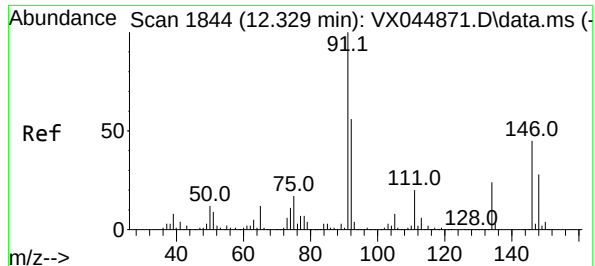
Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 53.315 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 287649

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

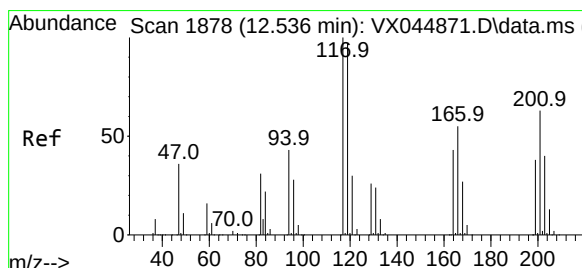
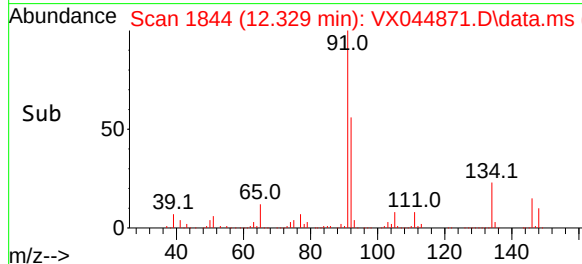
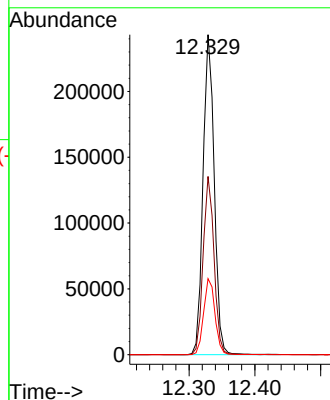
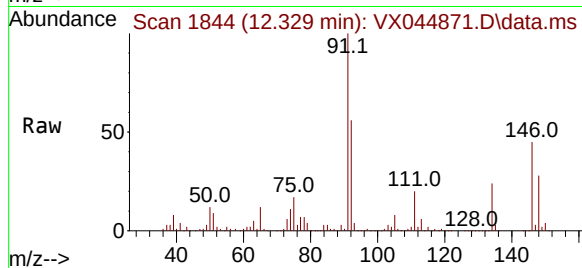
134 24.2 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 49.874 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044871.D

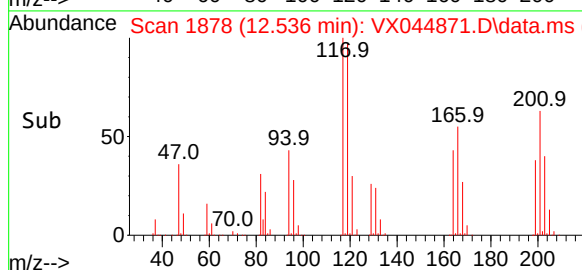
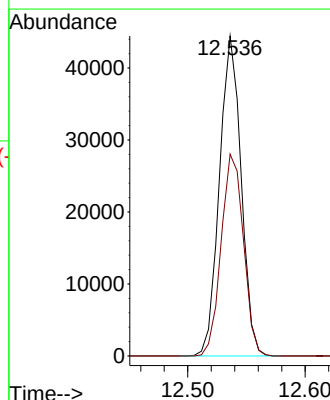
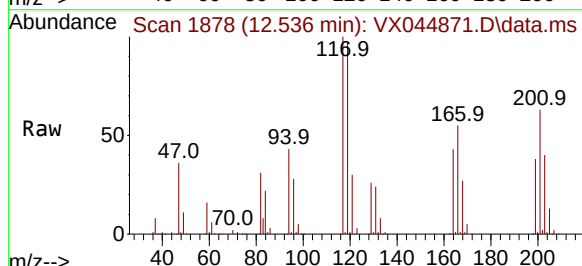
Acq: 10 Feb 2025 11:34

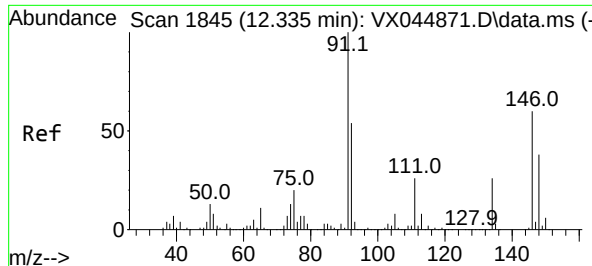
Tgt Ion:117 Resp: 56951

Ion Ratio Lower Upper

117 100

201 65.0 32.5 97.5





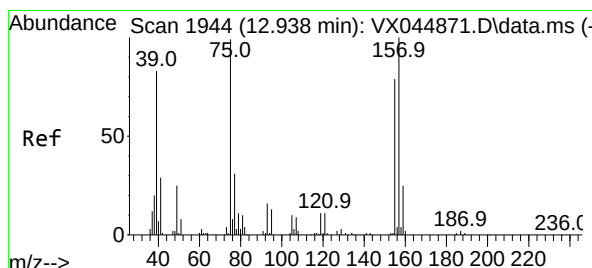
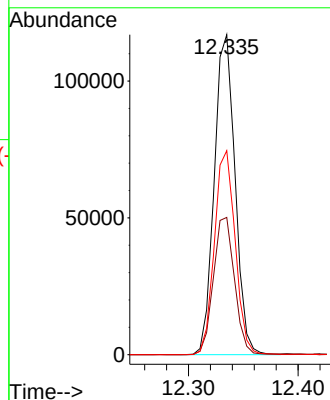
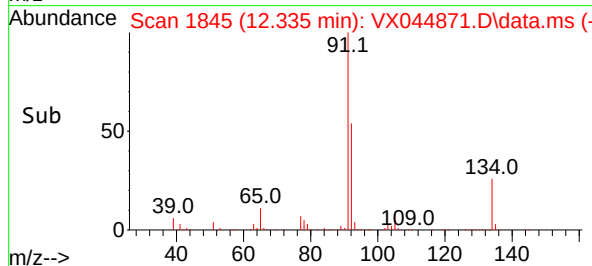
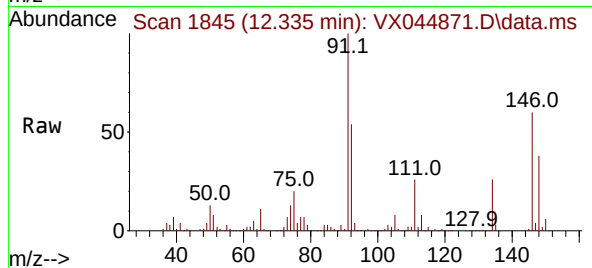
#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 154364
Ion Ratio Lower Upper
146 100
111 43.6 21.8 65.4
148 63.9 31.9 95.9

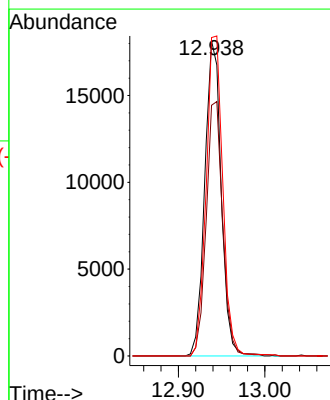
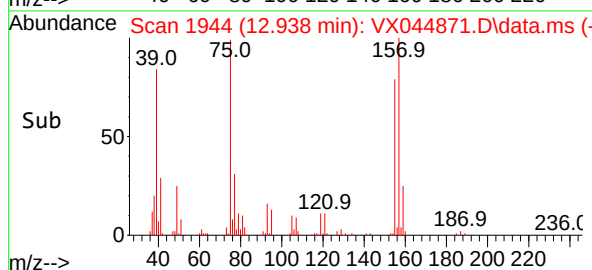
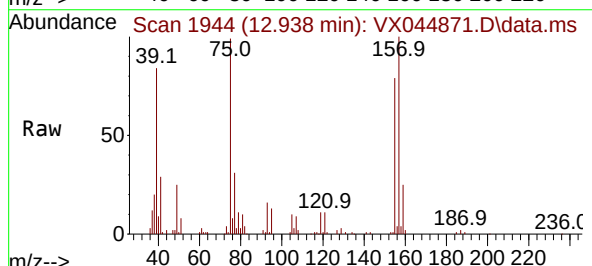
Manual Integrations
APPROVED

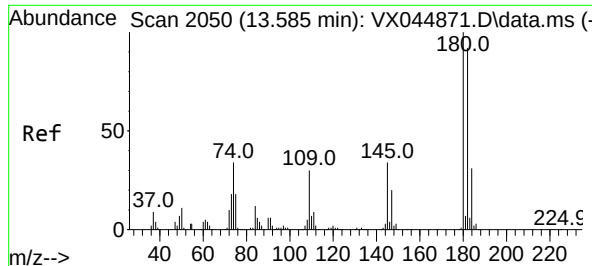
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924
Ion Ratio Lower Upper
75 100
155 80.9 40.5 121.4
157 102.9 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 50.747 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

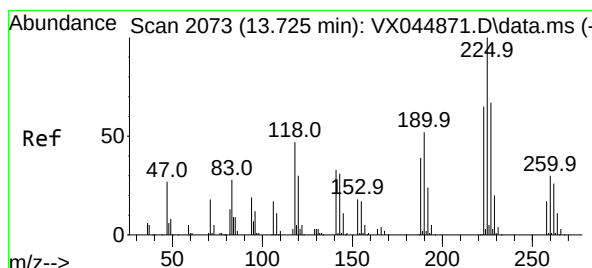
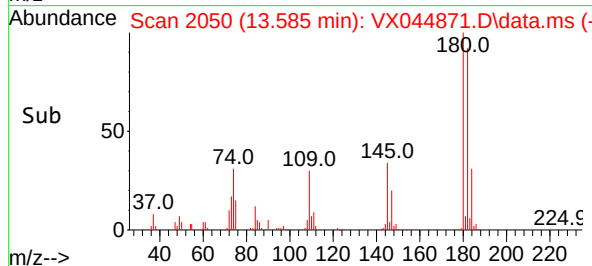
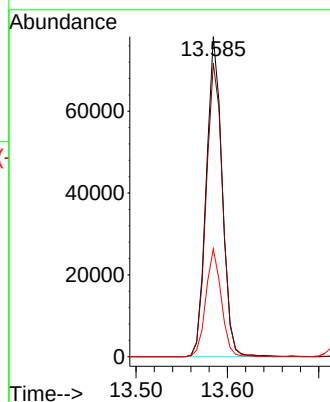
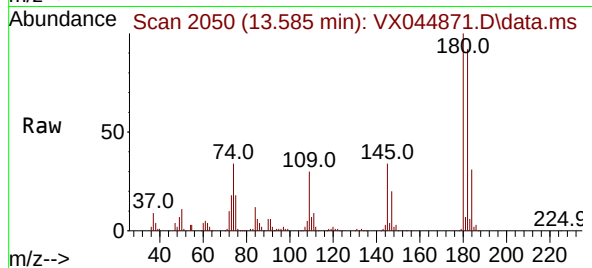
VSTDICCC050

Tgt Ion:	180	Resp:	9386
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.8
145	32.7	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 48.321 ug/l

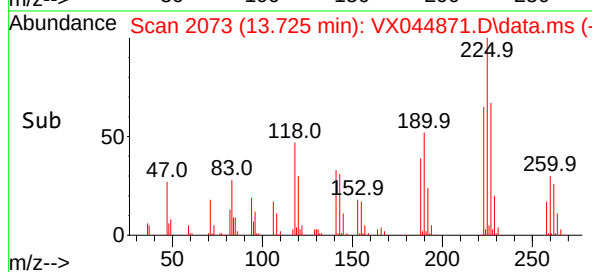
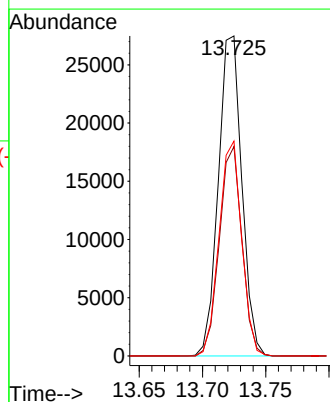
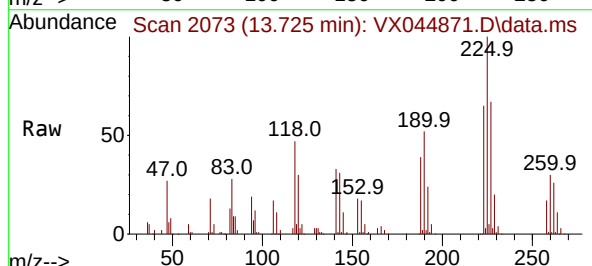
RT: 13.725 min Scan# 2073

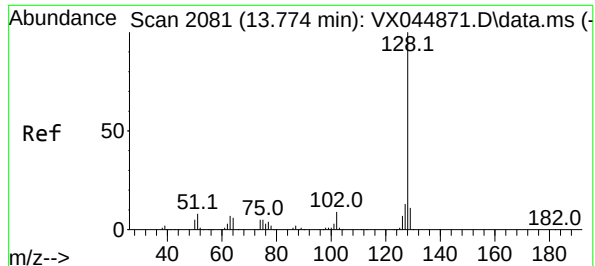
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	225	Resp:	35481
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.4	94.2
227	64.5	32.3	96.8





#95

Naphthalene

Concen: 51.995 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:128 Resp: 34764

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

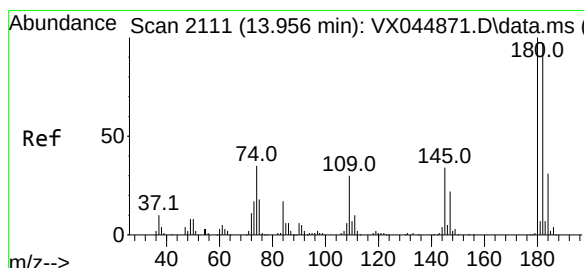
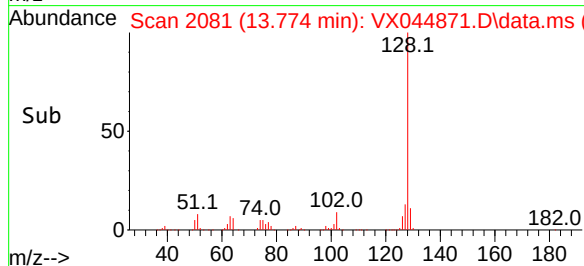
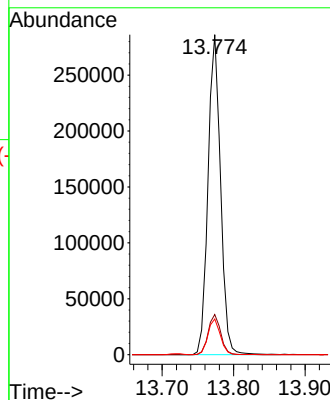
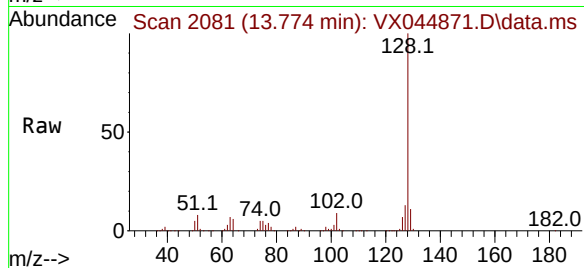
129 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.245 ug/l

RT: 13.956 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

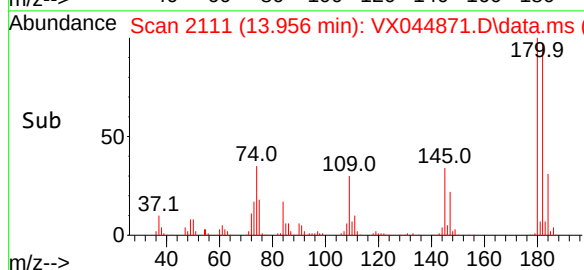
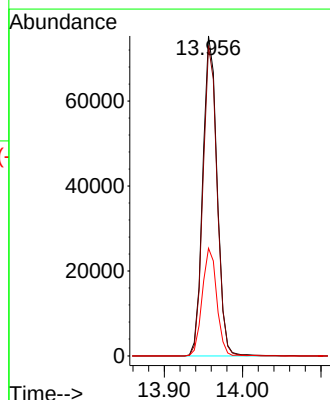
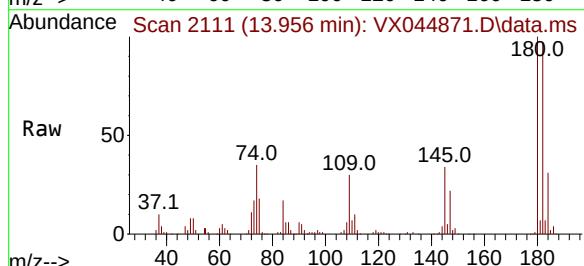
Tgt Ion:180 Resp: 95510

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 34.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745	ug/l	99
42) 1,2-Dichloroethane	6.080	62	218174	98.875	ug/l	100
43) Isopropyl Acetate	6.336	43	405489	101.818	ug/l	100
44) Trichloroethene	7.117	130	156832	99.103	ug/l	96
45) 1,2-Dichloropropane	7.422	63	170337	98.893	ug/l	97
46) Dibromomethane	7.574	93	119149	99.747	ug/l	100
47) Bromodichloromethane	7.818	83	236506	102.254	ug/l	97
48) Methyl methacrylate	7.690	41	195892	104.321	ug/l	100
49) 1,4-Dioxane	7.659	88	77816	1931.508	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353	ug/l	100
52) Toluene	8.714	92	409318	99.270	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817	ug/l	100
56) Ethyl methacrylate	9.116	69	268693	104.958	ug/l	99
57) 1,3-Dichloropropane	9.305	76	273845	98.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405	ug/l	100
59) 2-Hexanone	9.427	43	871904	499.819	ug/l	99
60) Dibromochloromethane	9.519	129	173848	102.557	ug/l	100
61) 1,2-Dibromoethane	9.604	107	162982	101.451	ug/l	98
64) Tetrachloroethene	9.269	164	125294	97.447	ug/l	100
65) Chlorobenzene	10.073	112	436565	99.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728	ug/l	100
67) Ethyl Benzene	10.189	91	784184	101.477	ug/l	100
68) m/p-Xylenes	10.299	106	575559	201.907	ug/l	99
69) o-Xylene	10.640	106	281830	98.530	ug/l	100
70) Styrene	10.653	104	473403	102.728	ug/l	99
71) Bromoform	10.799	173	112371	106.827	ug/l #	99
73) Isopropylbenzene	10.957	105	719923	97.854	ug/l	99
74) N-amyl acetate	10.842	43	345193	103.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	198320m	97.896	ug/l	
77) Bromobenzene	11.195	156	163845	98.230	ug/l	100
78) n-propylbenzene	11.299	91	858793	101.132	ug/l	100
79) 2-Chlorotoluene	11.360	91	497149	95.257	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006	ug/l	98
82) 4-Chlorotoluene	11.451	91	569510	98.634	ug/l	100
83) tert-Butylbenzene	11.713	119	591396	97.917	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851	ug/l	99
85) sec-Butylbenzene	11.890	105	749534	100.219	ug/l	99
86) p-Isopropyltoluene	12.006	119	607577	101.019	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830	ug/l	99
89) n-Butylbenzene	12.329	91	583634	109.686	ug/l	100
90) Hexachloroethane	12.536	117	117533	104.365	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921	ug/l	99
94) Hexachlorobutadiene	13.725	225	74605	103.024	ug/l	99
95) Naphthalene	13.774	128	689104	104.505	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

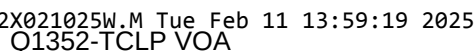
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

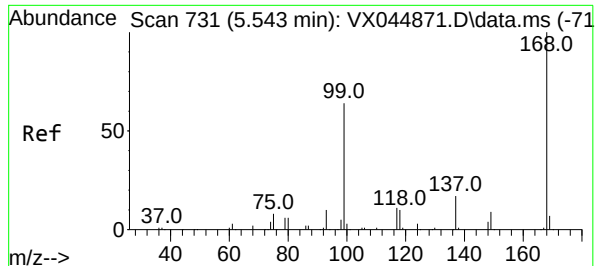
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





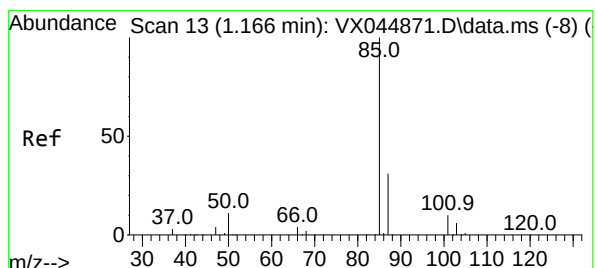
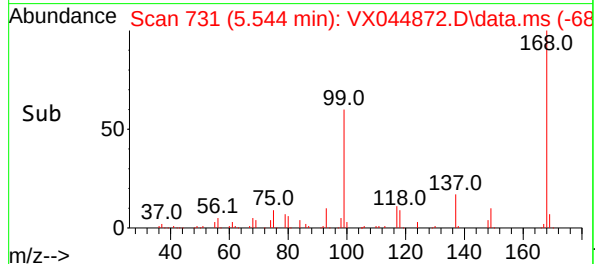
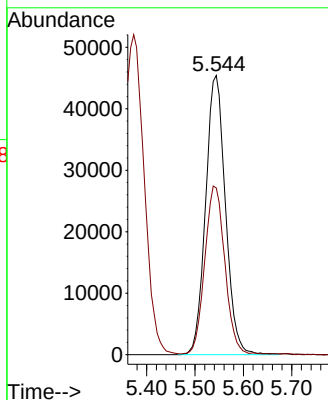
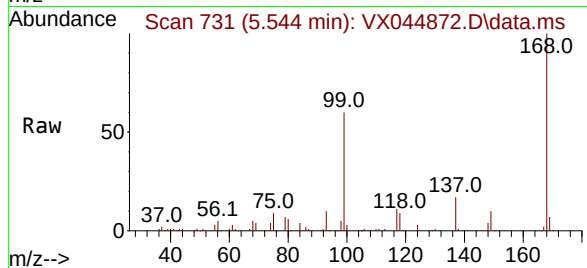
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 129508
Ion Ratio Lower Upper
168 100
99 59.4 51.2 76.8

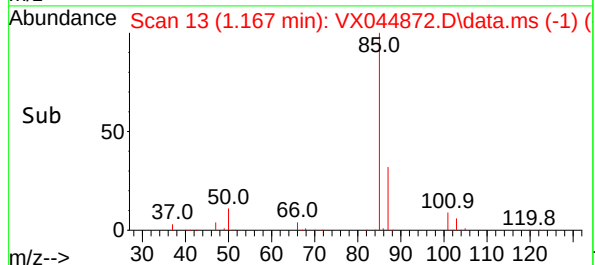
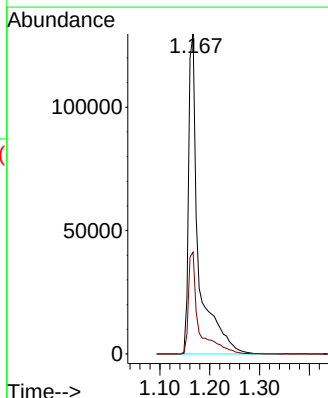
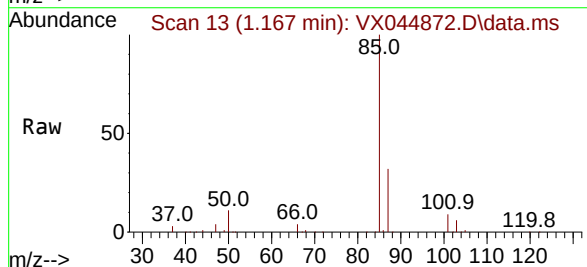
Manual Integrations
APPROVED

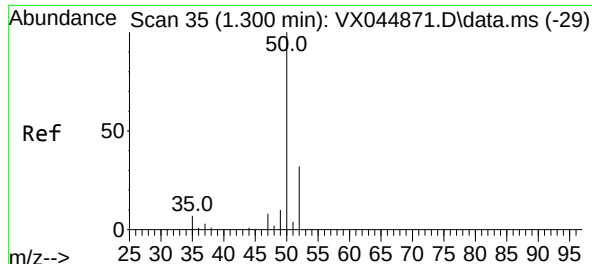
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.3





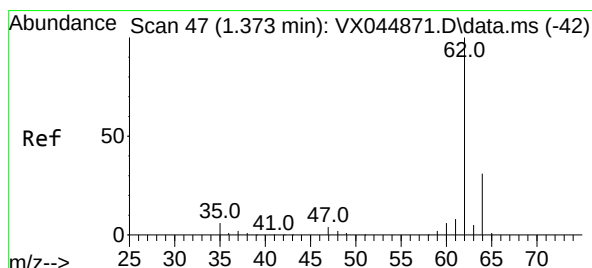
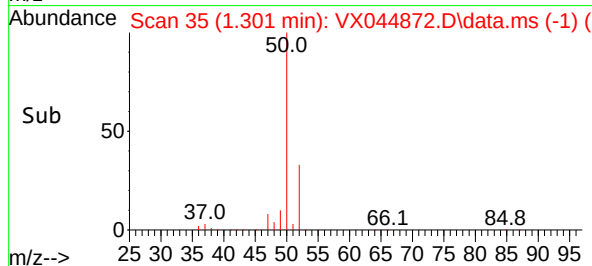
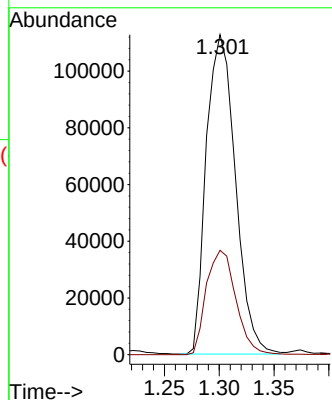
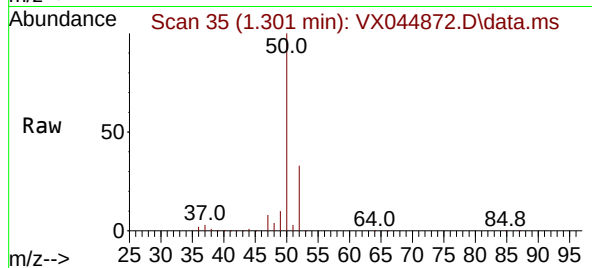
#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 208410
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9

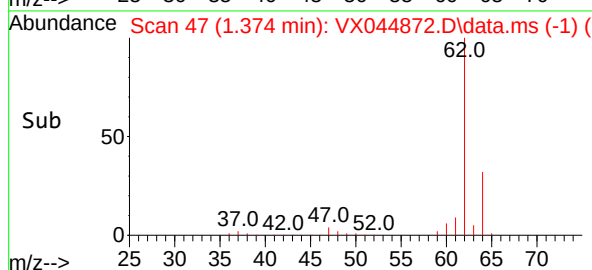
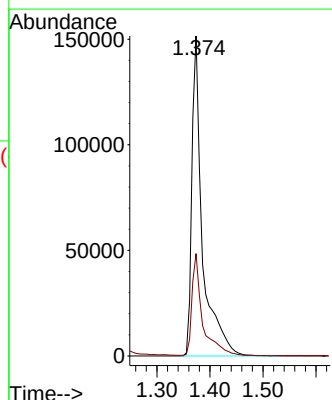
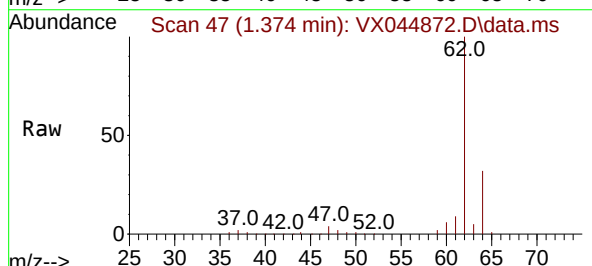
Manual Integrations
APPROVED

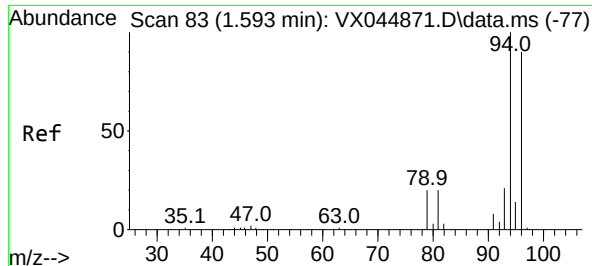
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017
Ion Ratio Lower Upper
62 100
64 31.9 25.4 38.0





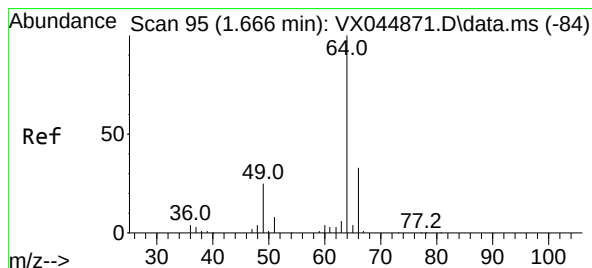
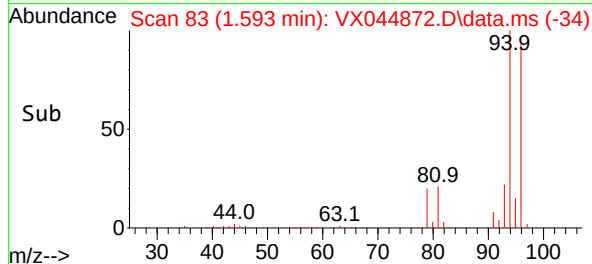
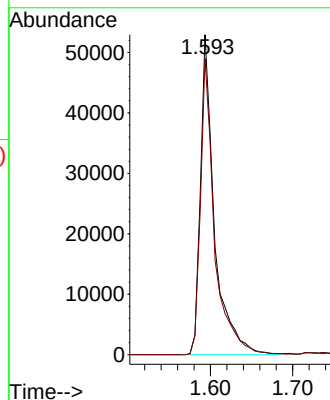
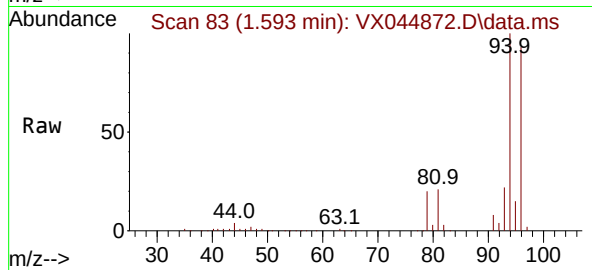
#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 6279
Ion Ratio Lower Upper
94 100
96 92.6 71.6 107.4

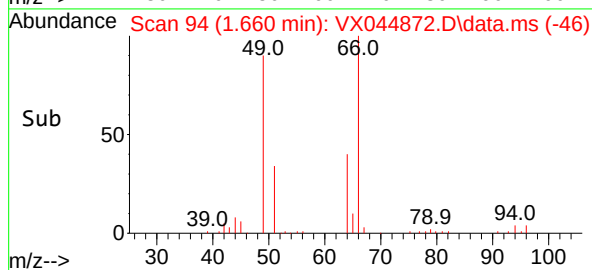
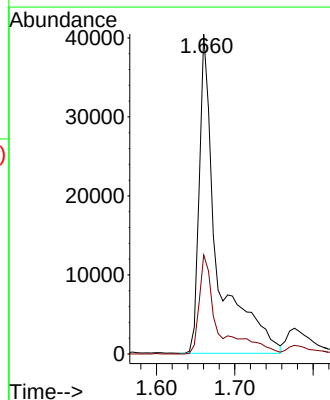
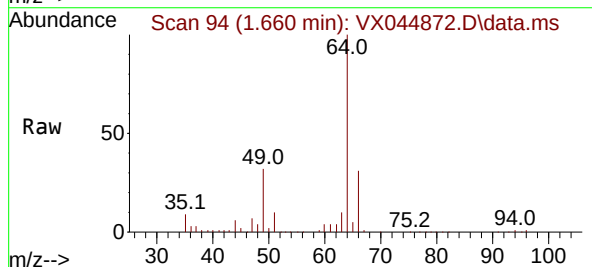
Manual Integrations
APPROVED

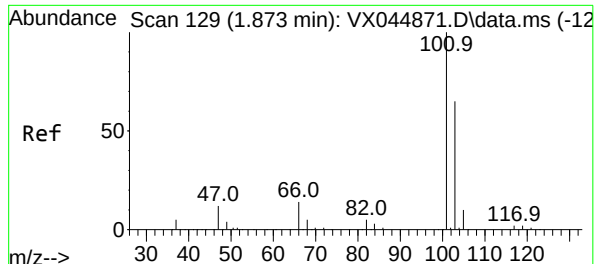
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581
Ion Ratio Lower Upper
64 100
66 31.0 25.9 38.9





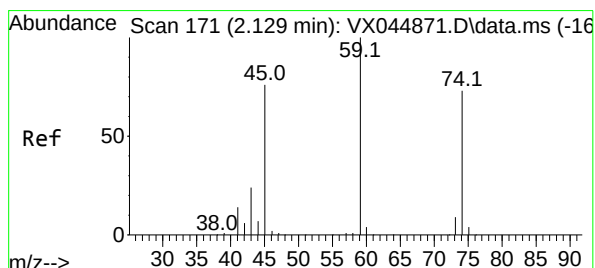
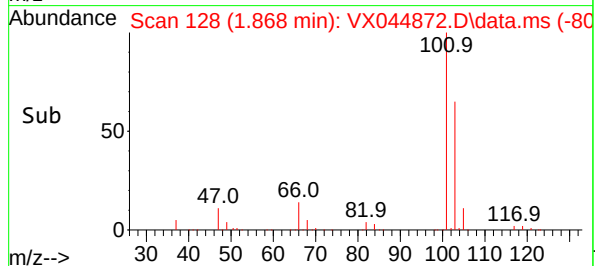
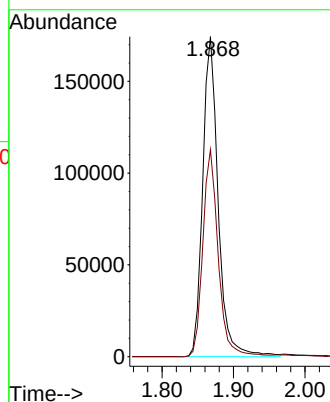
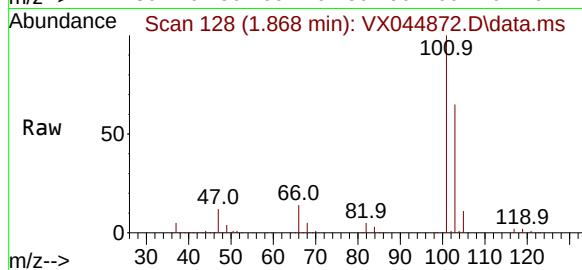
#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:101 Resp: 262354
Ion Ratio Lower Upper
101 100
103 64.7 52.4 78.6

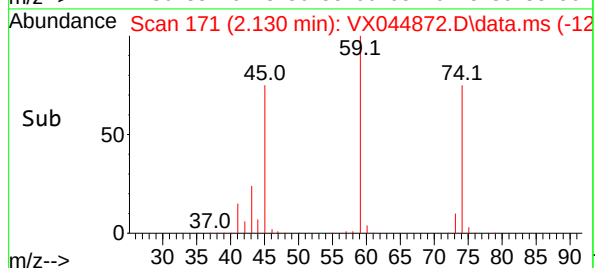
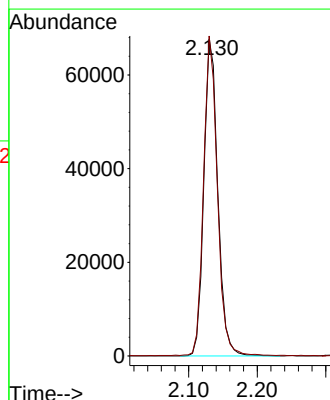
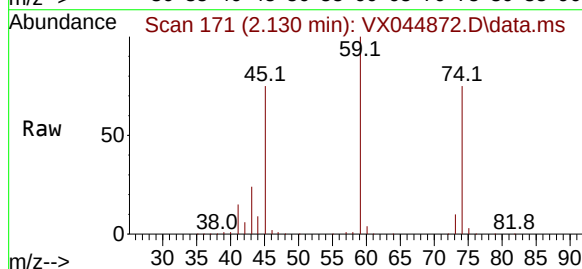
Manual Integrations
APPROVED

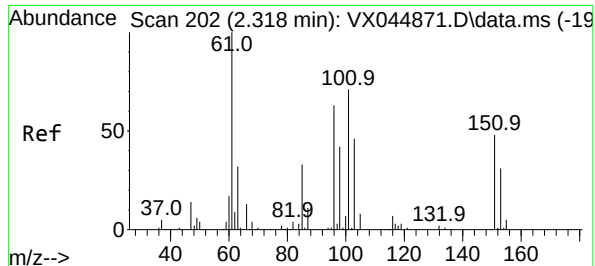
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914
Ion Ratio Lower Upper
74 100
45 99.5 51.1 153.4





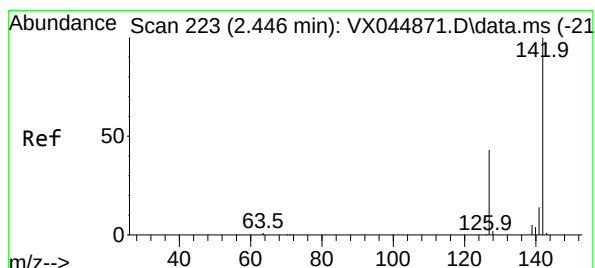
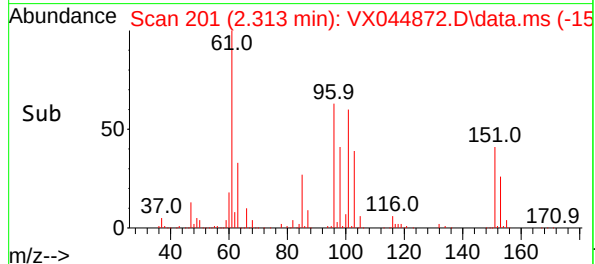
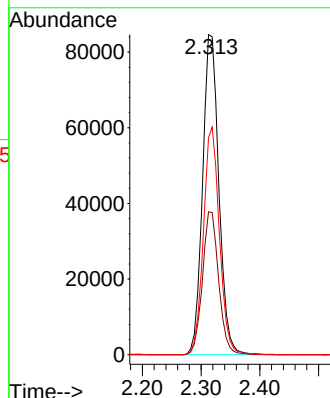
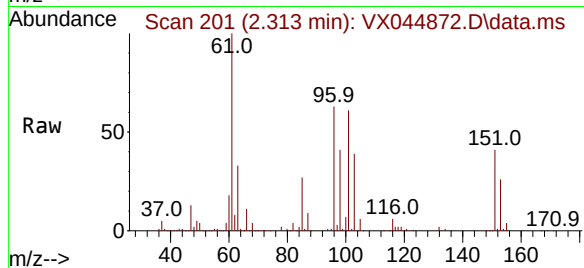
#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 163414
Ion Ratio Lower Upper
101 100
85 44.3 35.7 53.5
151 69.8 56.0 84.0

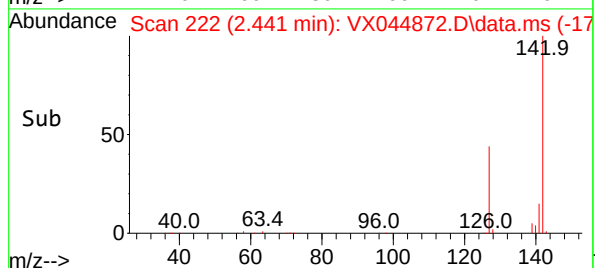
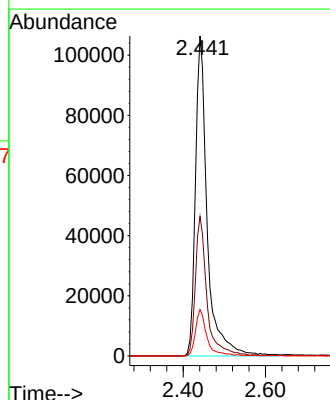
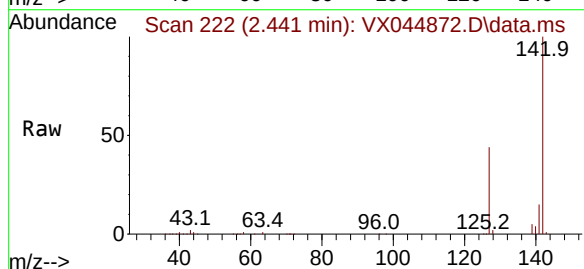
Manual Integrations
APPROVED

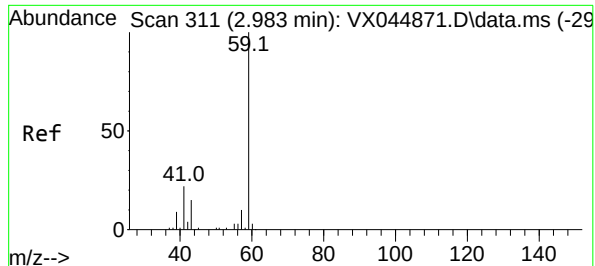
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118
Ion Ratio Lower Upper
142 100
127 42.5 34.3 51.5
141 14.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 469.903 ug/l

RT: 3.002 min Scan# 311

Delta R.T. 0.019 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 16526

Ion Ratio Lower Upper

59 100

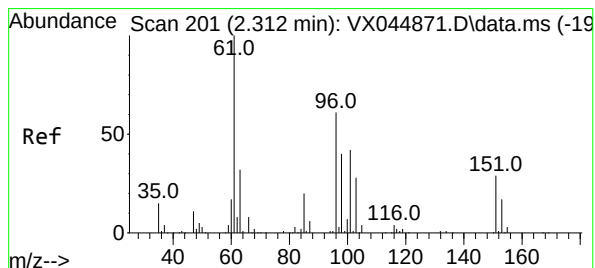
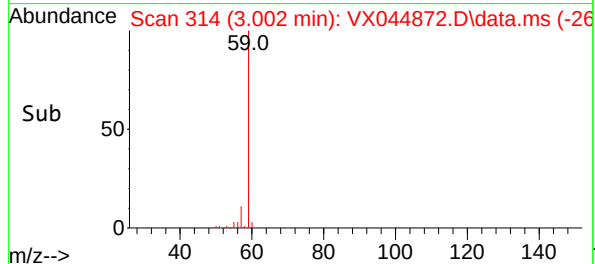
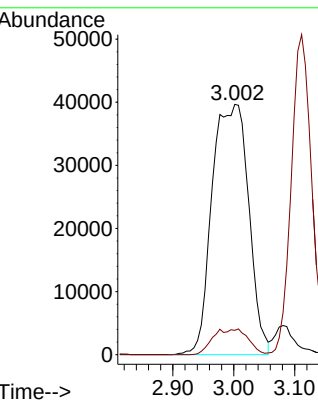
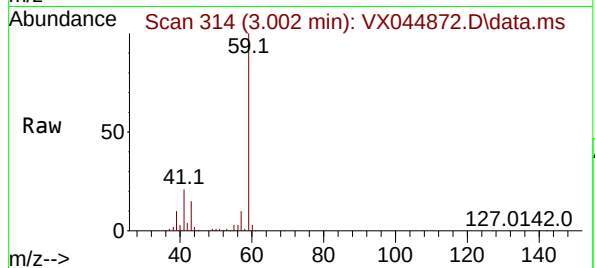
57 0.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 98.004 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

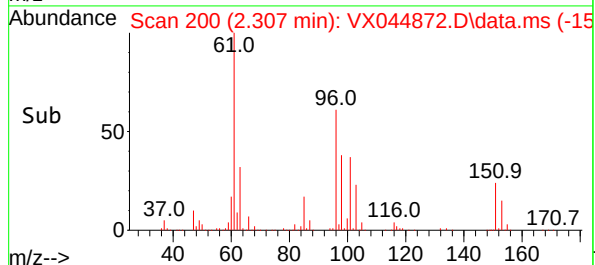
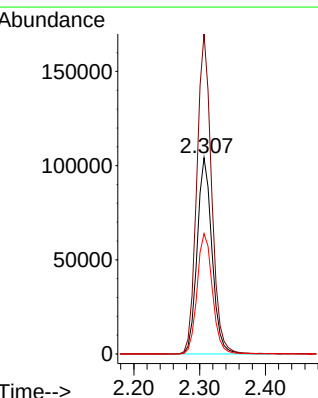
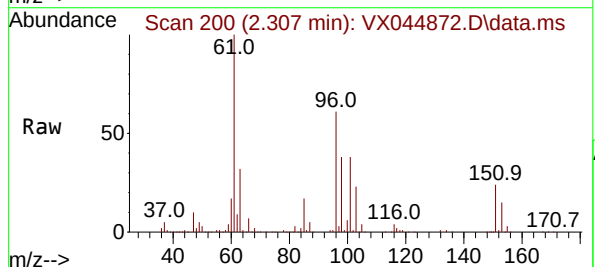
Tgt Ion: 96 Resp: 163593

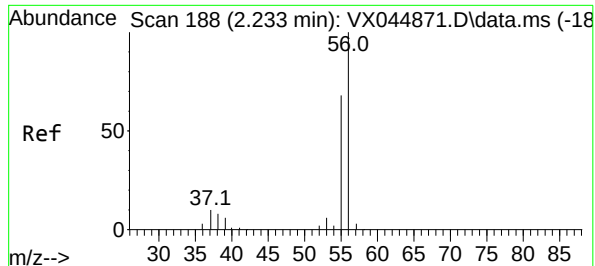
Ion Ratio Lower Upper

96 100

61 162.9 130.2 195.4

98 61.3 52.2 78.4





#13

Acrolein

Concen: 497.628 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 180570

Ion Ratio Lower Upper

56 100

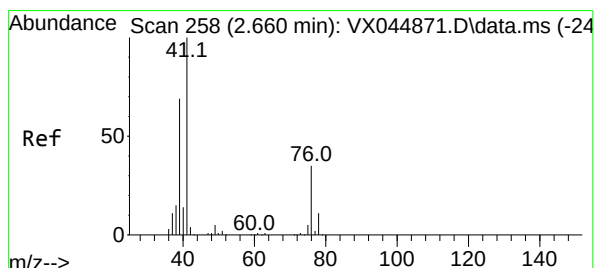
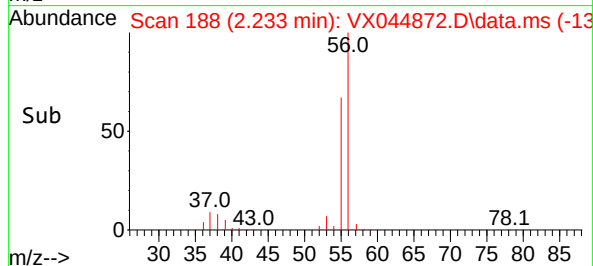
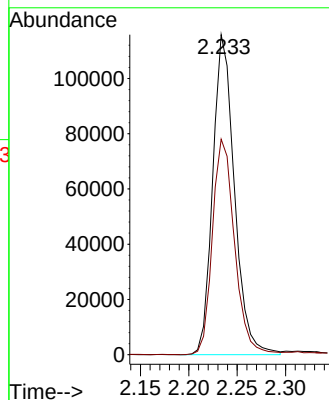
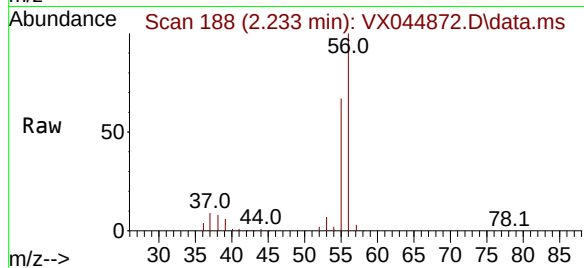
55 68.9 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 98.624 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

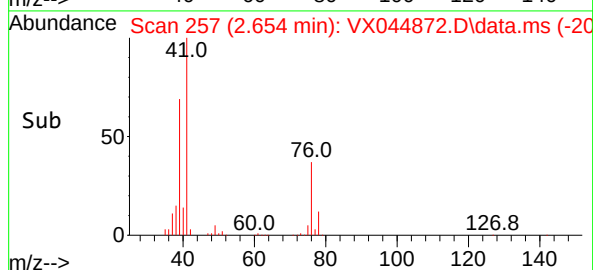
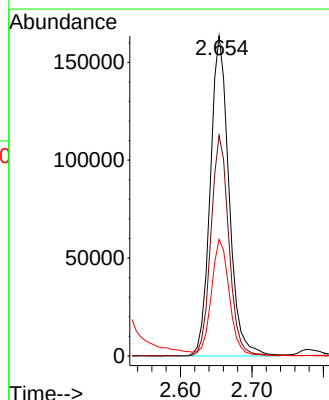
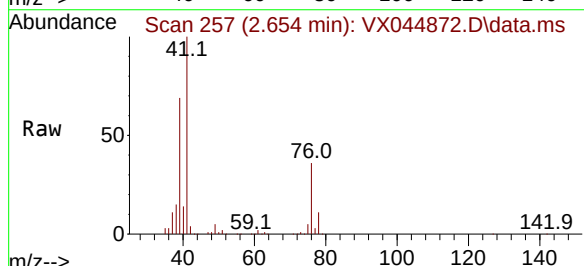
Tgt Ion: 41 Resp: 297526

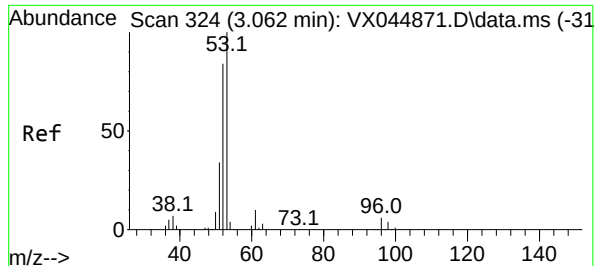
Ion Ratio Lower Upper

41 100

39 65.6 51.4 77.2

76 34.9 27.0 40.4





#15

Acrylonitrile

Concen: 497.173 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

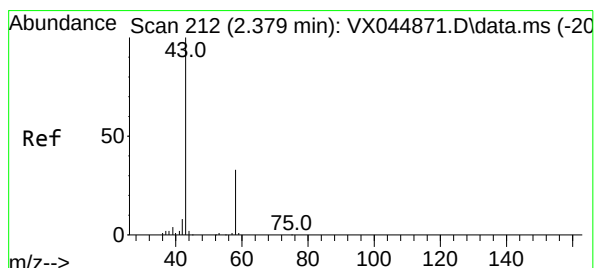
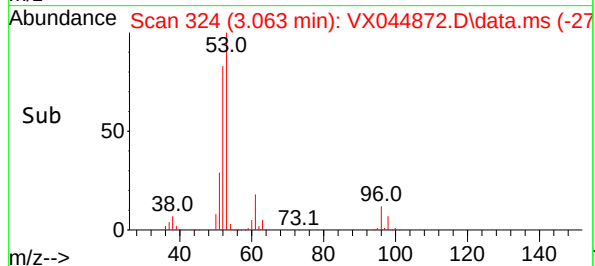
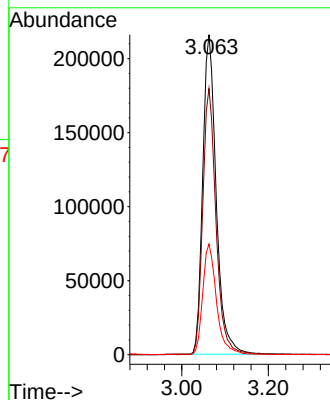
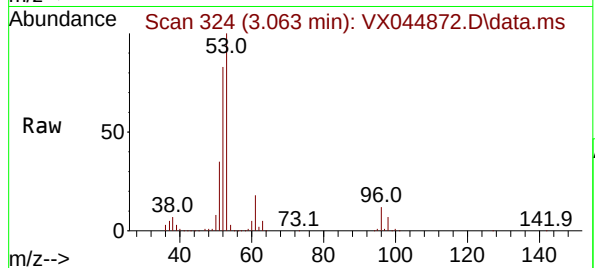
VSTDIC100

Tgt Ion:	53	Resp:	46685
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	34.9	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 485.125 ug/l

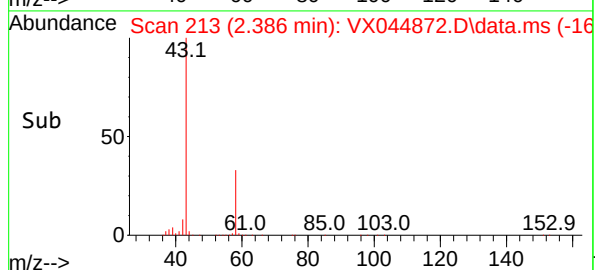
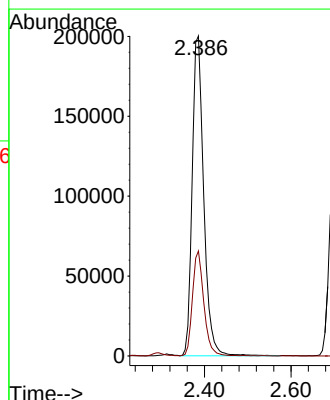
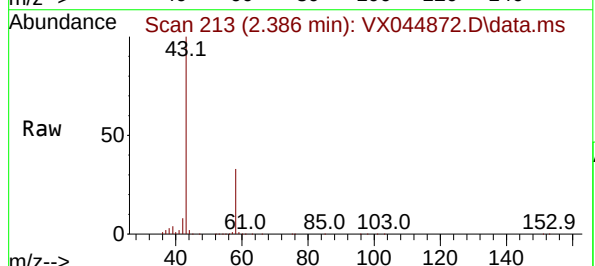
RT: 2.386 min Scan# 213

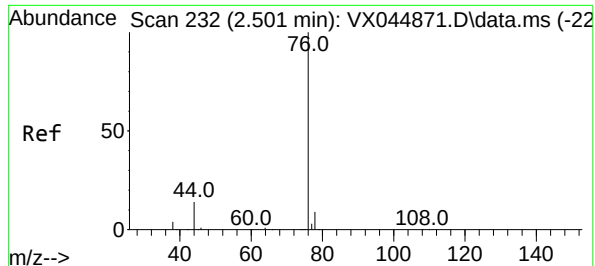
Delta R.T. 0.007 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion:	43	Resp:	369720
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.5	39.7





#17

Carbon Disulfide

Concen: 101.216 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 463308

Ion Ratio Lower Upper

76 100

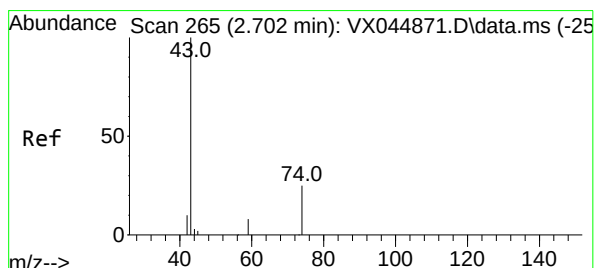
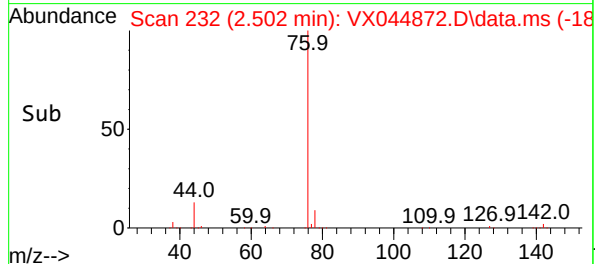
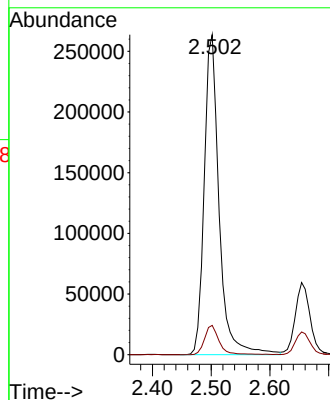
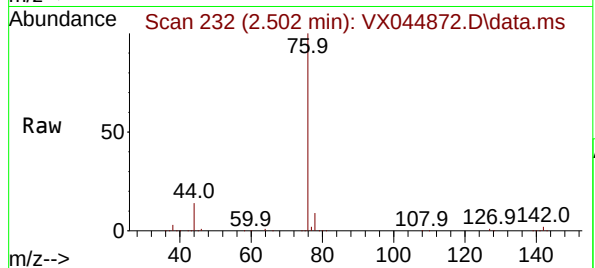
78 9.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 99.249 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044872.D

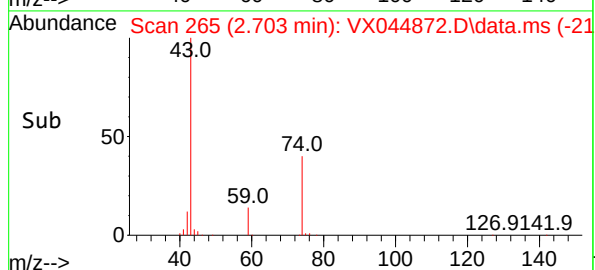
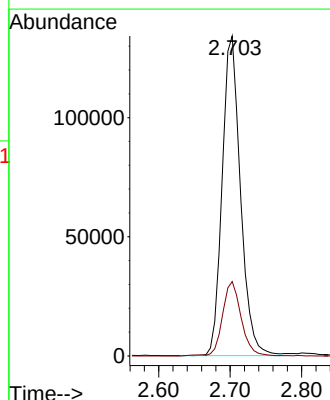
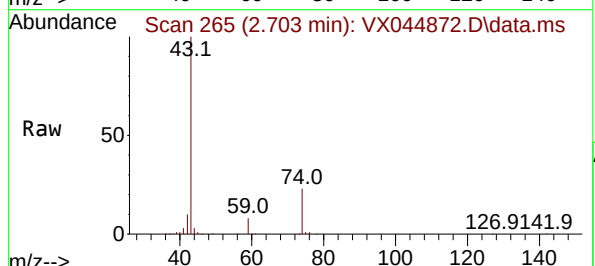
Acq: 10 Feb 2025 12:05

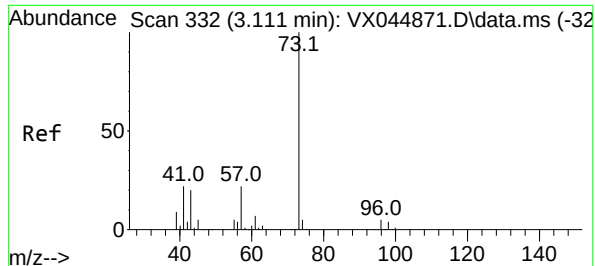
Tgt Ion: 43 Resp: 238689

Ion Ratio Lower Upper

43 100

74 23.8 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 98.098 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 52100

Ion Ratio Lower Upper

73 100

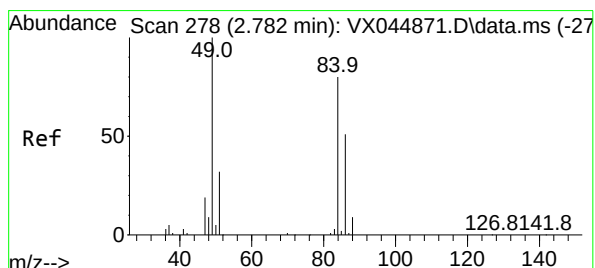
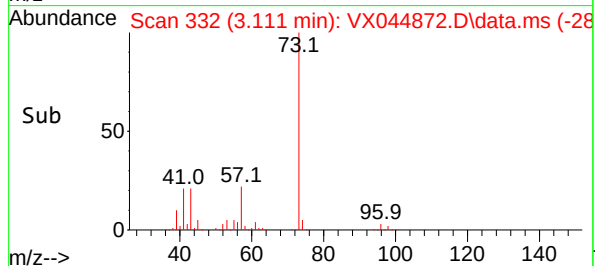
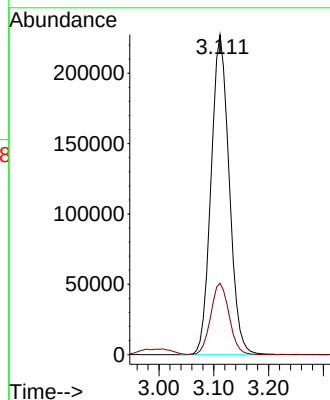
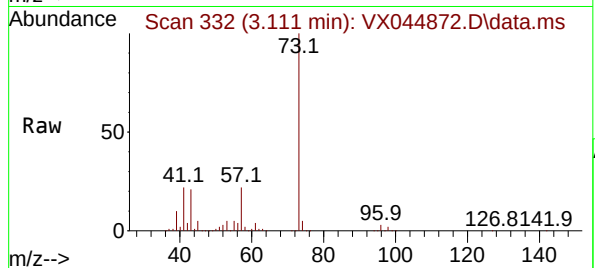
57 22.3 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 96.490 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120

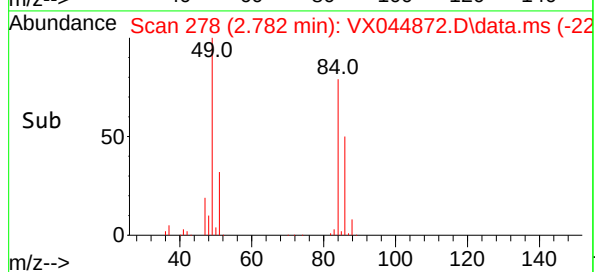
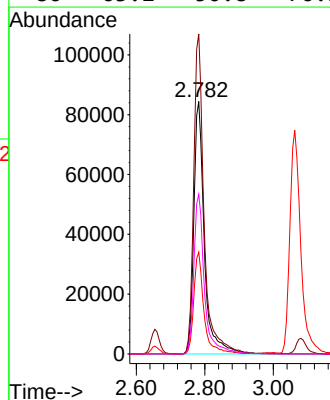
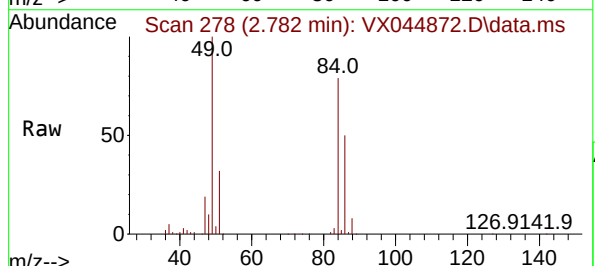
Ion Ratio Lower Upper

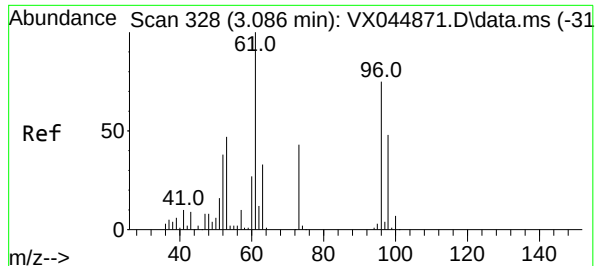
84 100

49 126.7 100.1 150.1

51 40.3 31.7 47.5

86 63.2 50.8 76.2





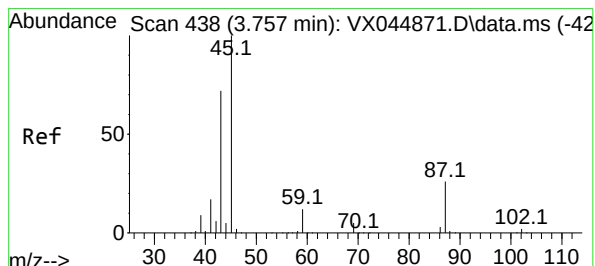
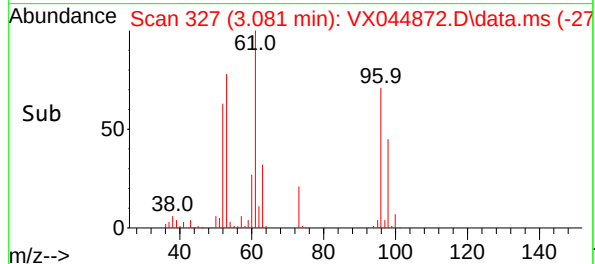
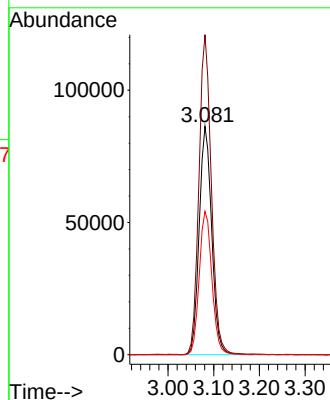
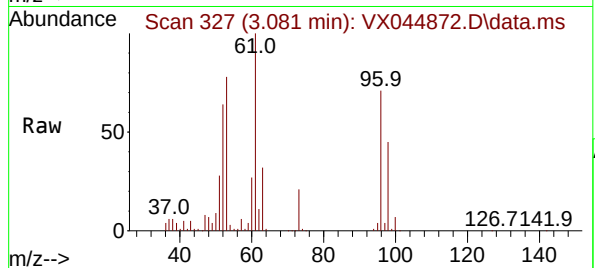
#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 16406
Ion Ratio Lower Upper
96 100
61 140.2 106.0 159.0
98 62.8 50.6 76.0

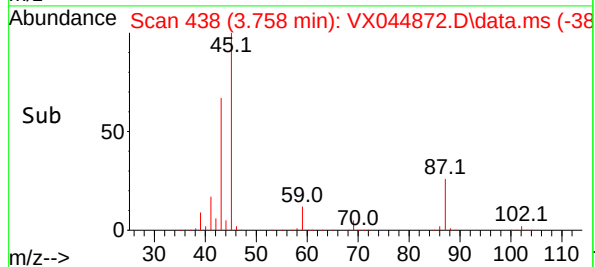
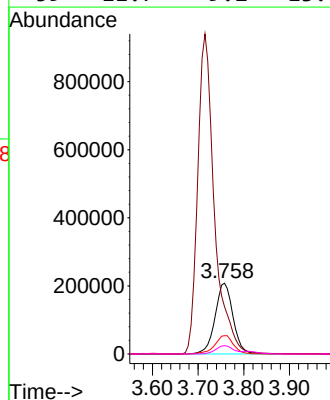
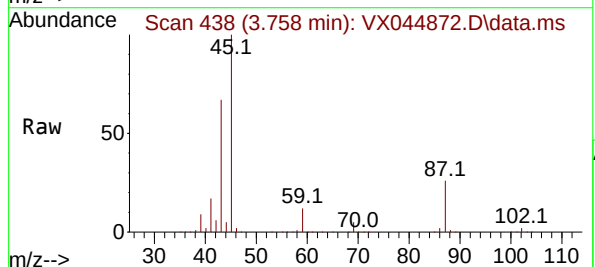
Manual Integrations
APPROVED

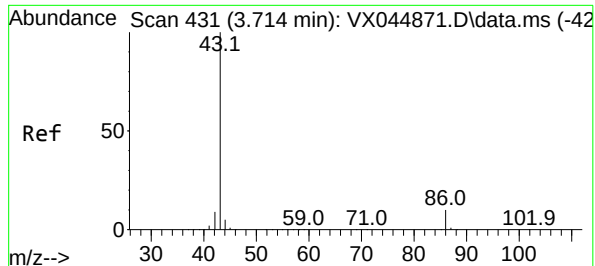
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927
Ion Ratio Lower Upper
45 100
43 66.7 58.0 87.0
87 25.7 20.7 31.1
59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 513.051 ug/l

RT: 3.715 min Scan# 411

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2387200

Ion Ratio Lower Upper

43 100

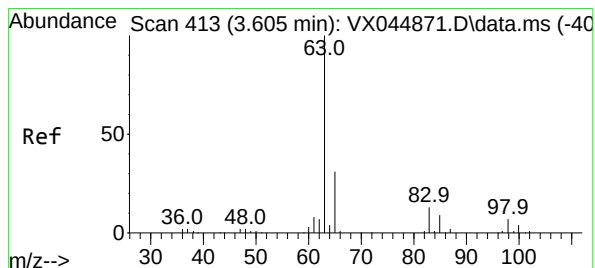
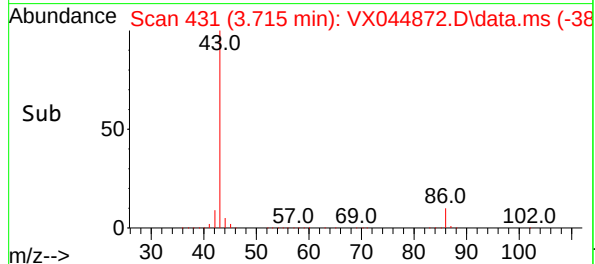
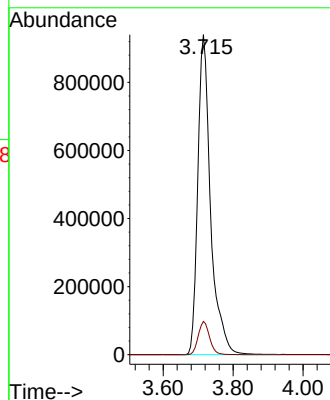
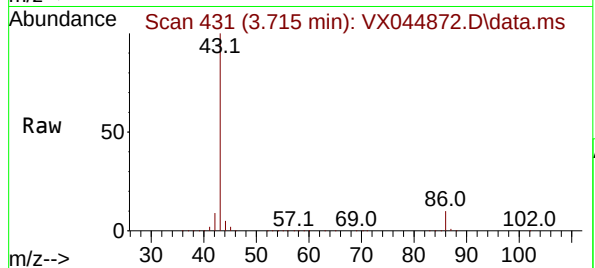
86 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 98.064 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

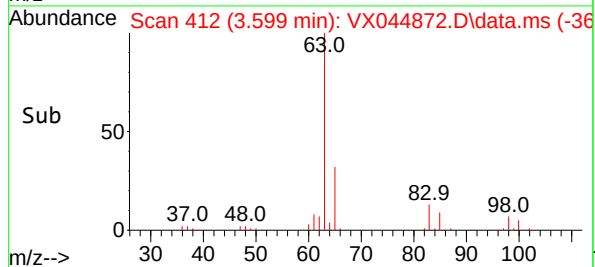
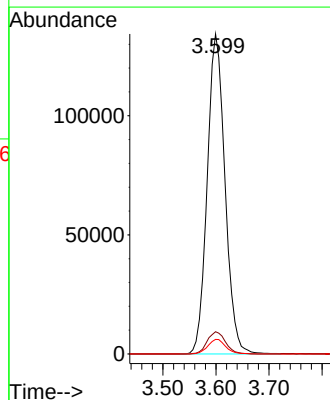
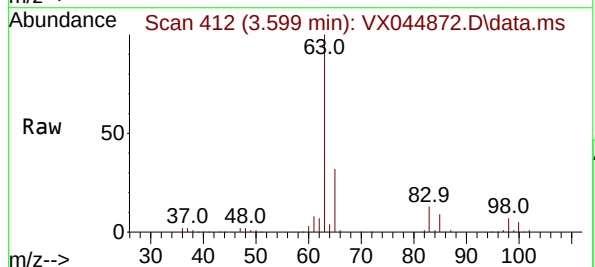
Tgt Ion: 63 Resp: 313164

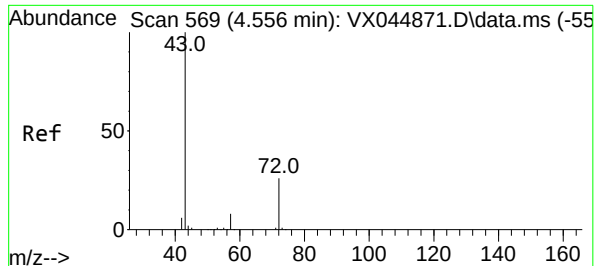
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 498.801 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 61728

Ion Ratio Lower Upper

43

100

72

25.4

21.2

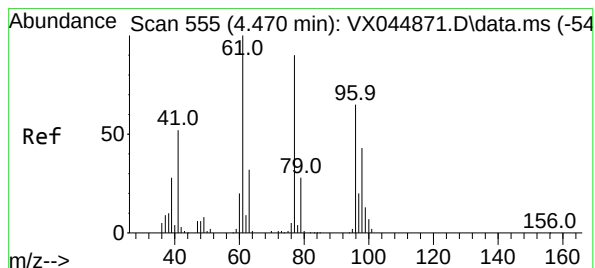
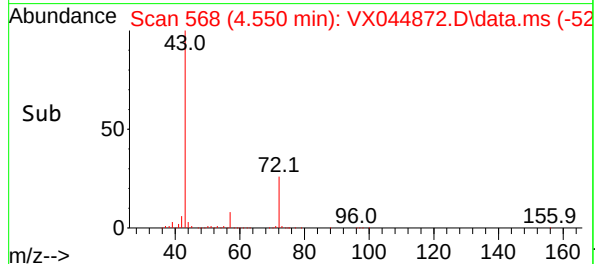
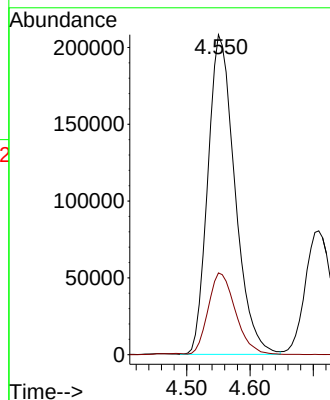
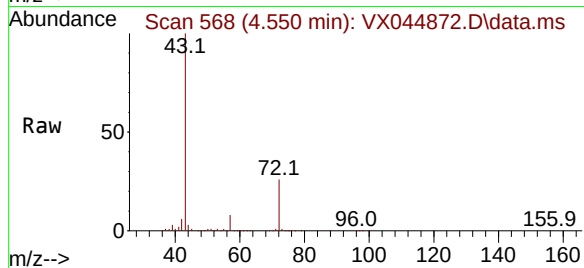
31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 98.053 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion: 77 Resp: 248324

Ion Ratio Lower Upper

77

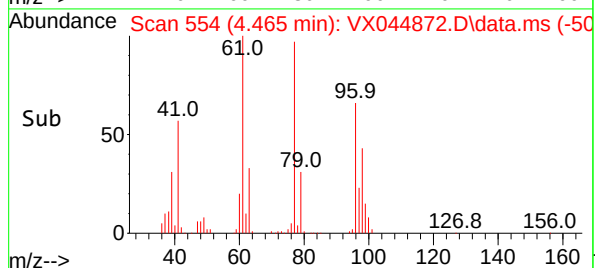
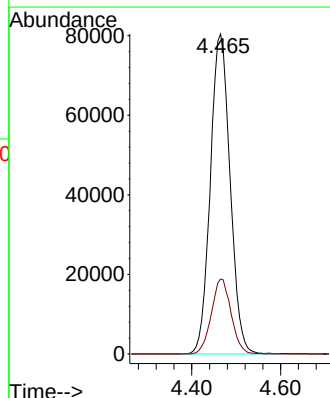
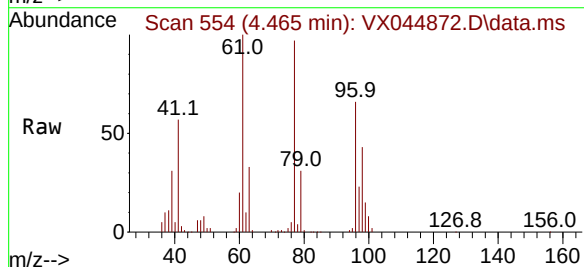
100

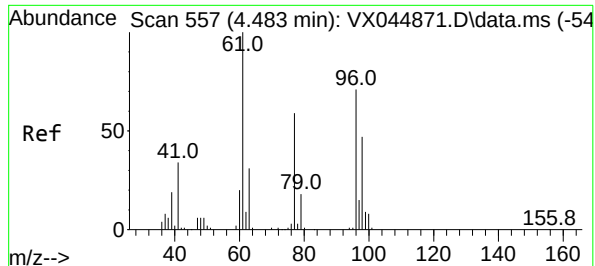
97

23.3

11.8

35.3





#27

cis-1,2-Dichloroethene

Concen: 99.513 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 19638

Ion Ratio Lower Upper

96 100

61 145.1 0.0 294.0

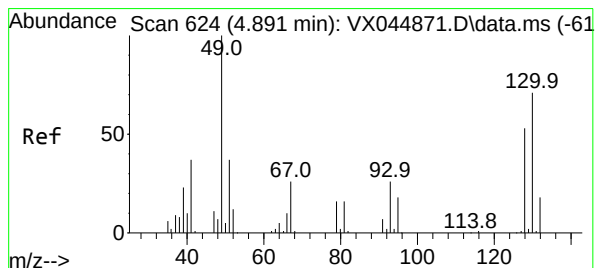
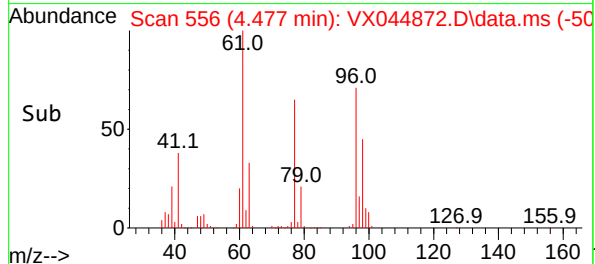
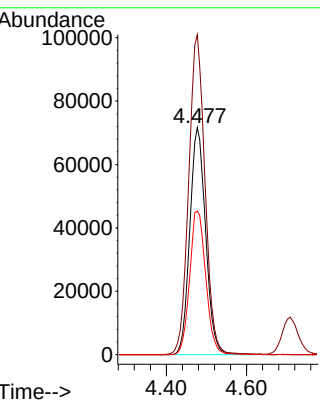
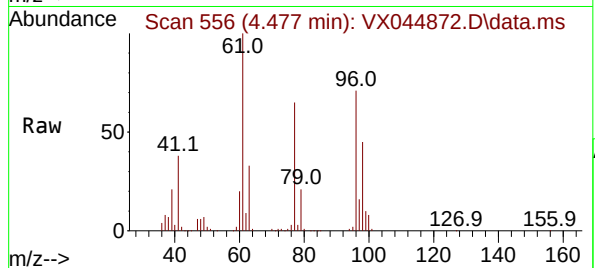
98 64.6 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 96.524 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

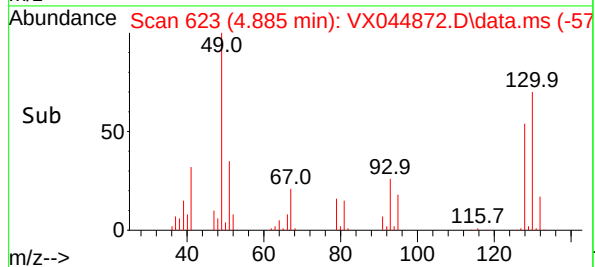
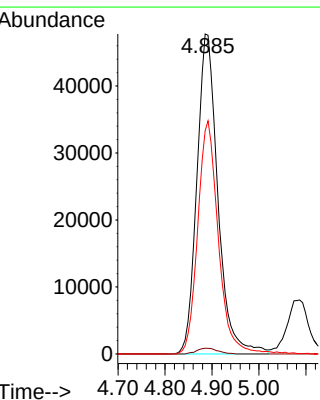
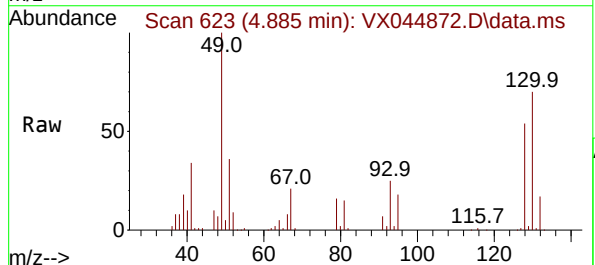
Tgt Ion: 49 Resp: 148137

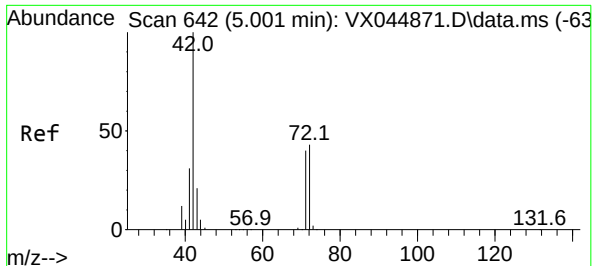
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 71.1 56.7 85.1





#29

Tetrahydrofuran

Concen: 493.104 ug/l

RT: 4.995 min Scan# 642

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 405208

Ion Ratio Lower Upper

42 100

72 43.9 35.0 52.4

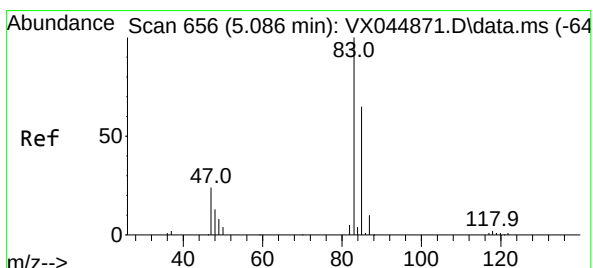
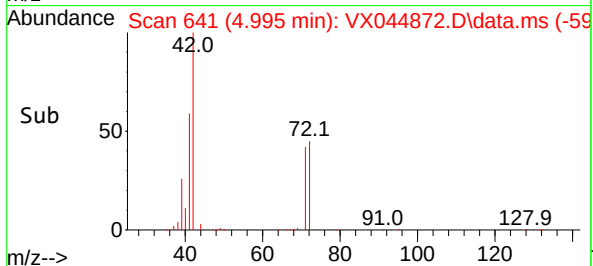
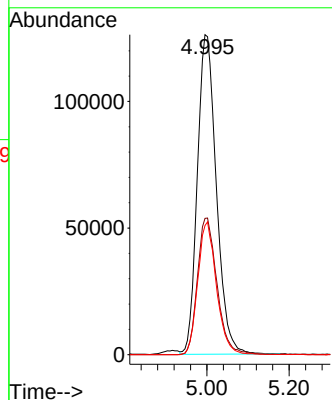
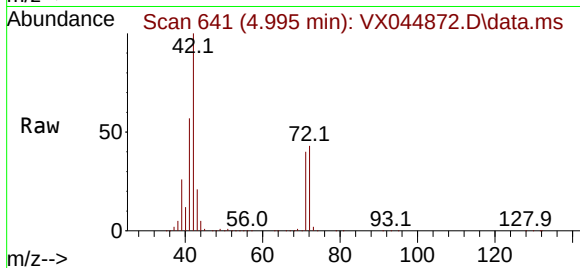
71 40.8 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 96.445 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044872.D

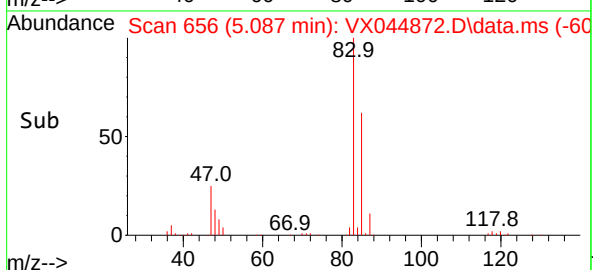
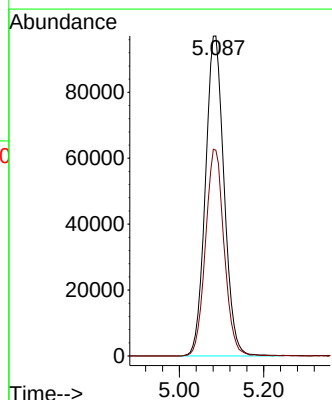
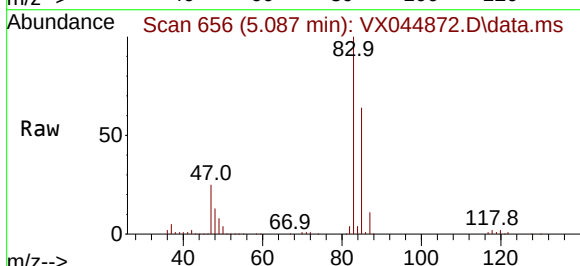
Acq: 10 Feb 2025 12:05

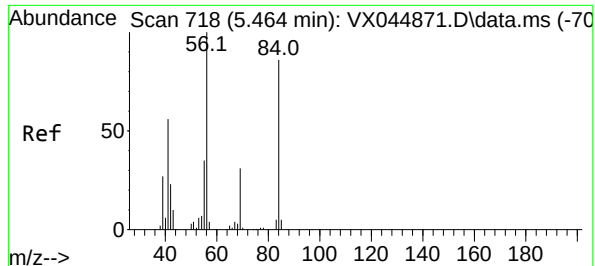
Tgt Ion: 83 Resp: 298690

Ion Ratio Lower Upper

83 100

85 64.3 52.1 78.1





#31

Cyclohexane

Concen: 97.426 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX044872.D

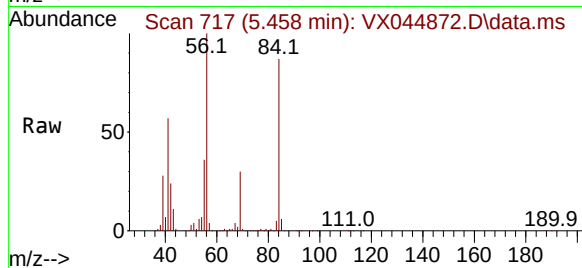
Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100



Tgt Ion: 56 Resp: 286830

Ion Ratio Lower Upper

56 100

69 30.0 24.4 36.6

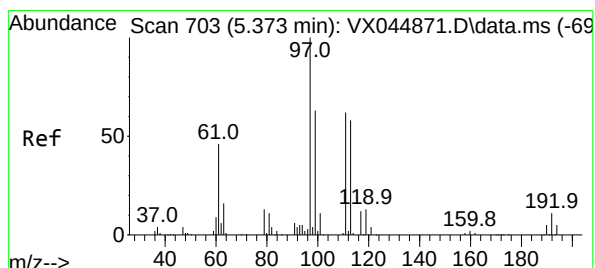
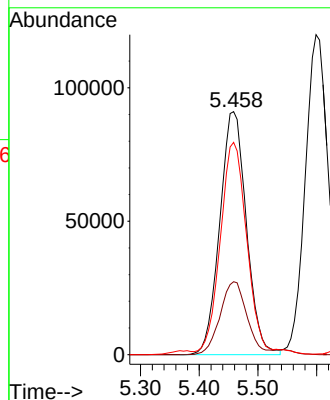
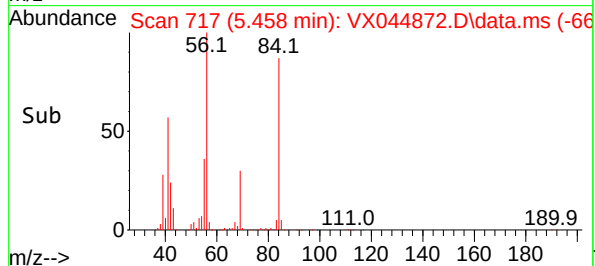
84 85.7 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 97.050 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

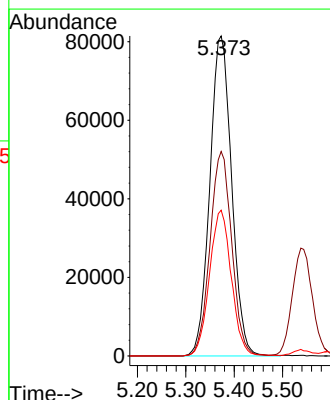
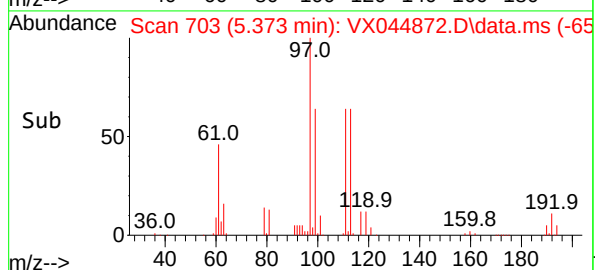
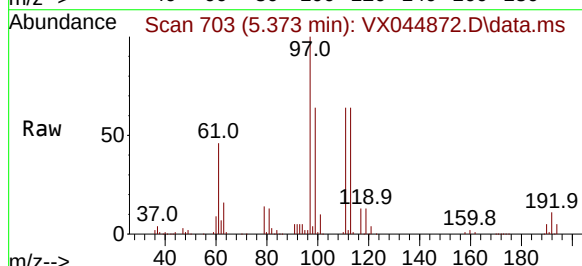
Tgt Ion: 97 Resp: 254941

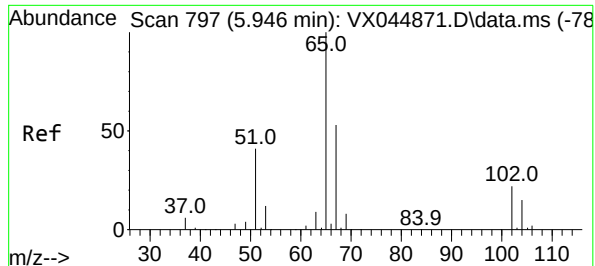
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 96.580 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 18309

Ion Ratio Lower Upper

65 100

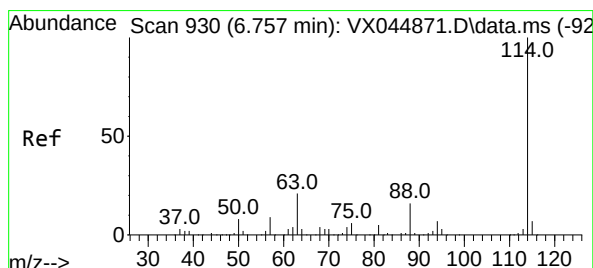
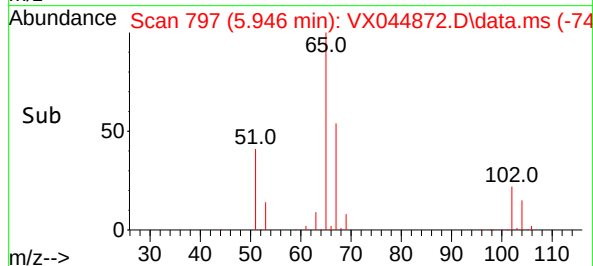
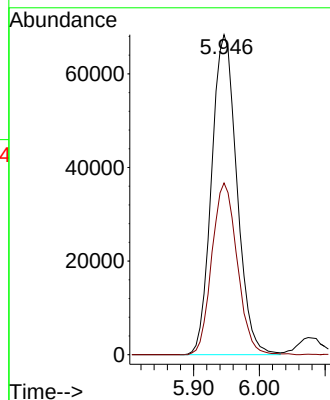
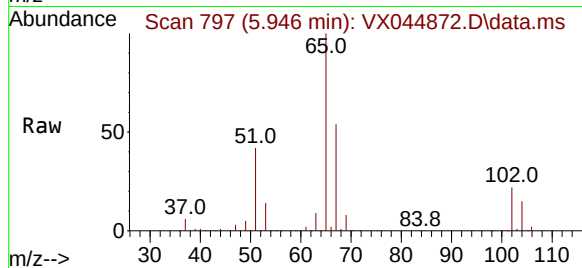
67 53.8 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

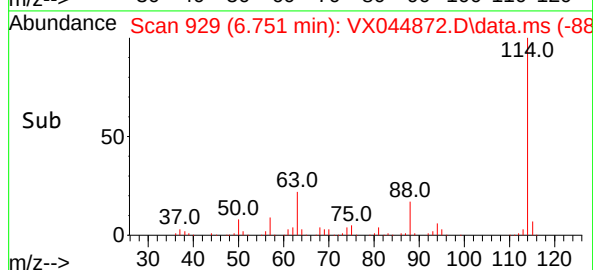
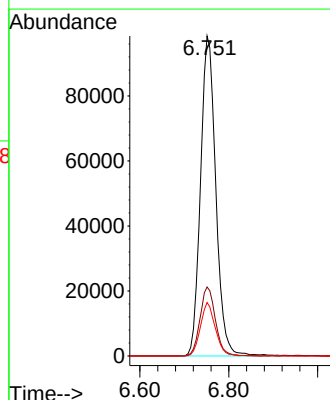
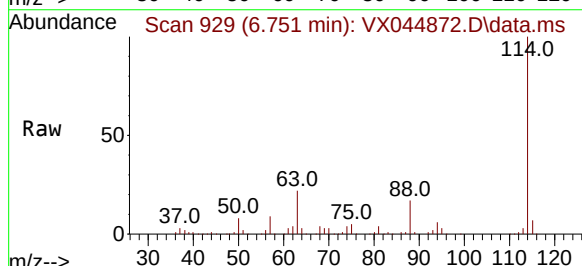
Tgt Ion:114 Resp: 236372

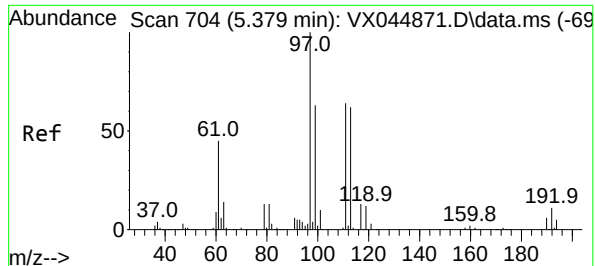
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 98.404 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 151228

Ion Ratio Lower Upper

113 100

111 101.6 83.5 125.3

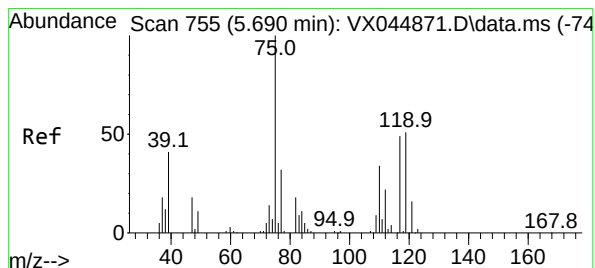
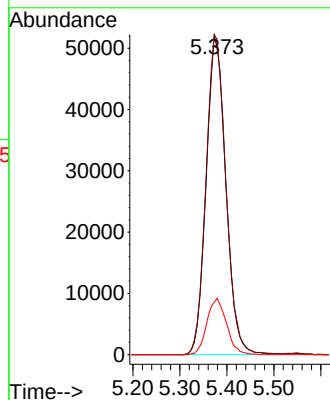
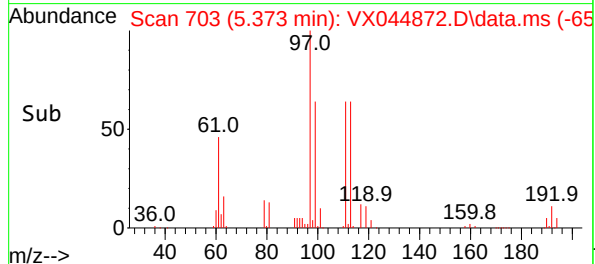
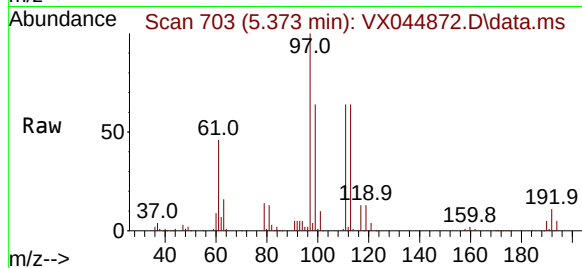
192 17.6 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 97.422 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

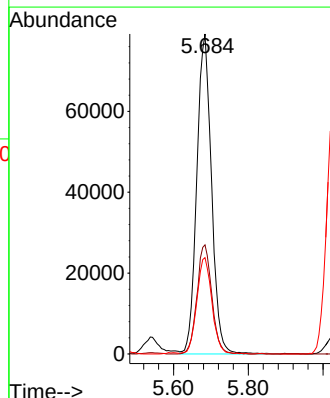
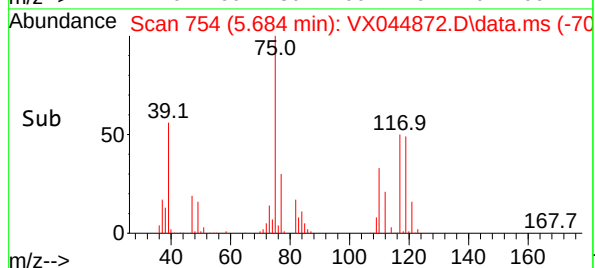
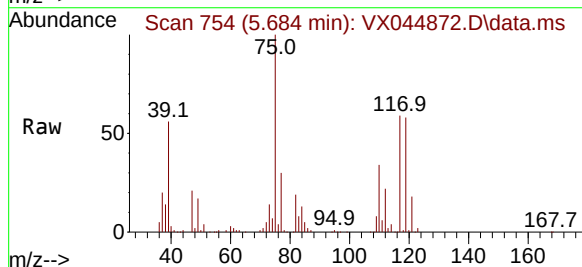
Tgt Ion: 75 Resp: 216005

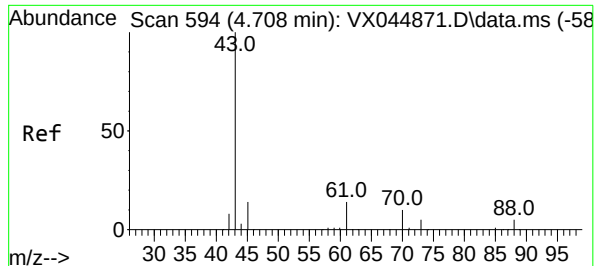
Ion Ratio Lower Upper

75 100

110 34.4 17.2 51.6

77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 99.005 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

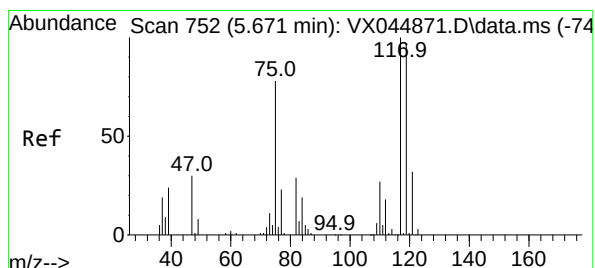
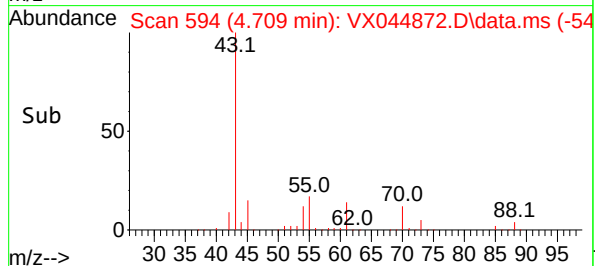
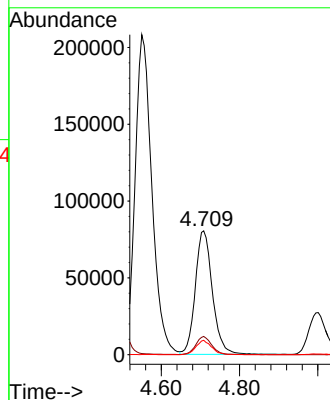
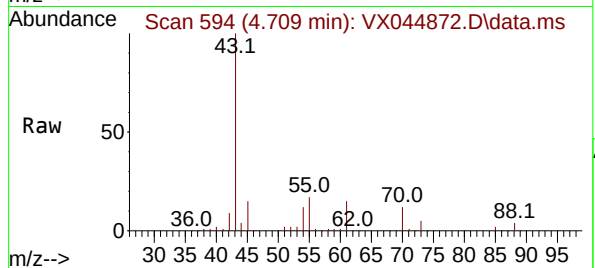
VSTDIC100

Tgt Ion:	43	Resp:	244164
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.6	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 96.828 ug/l

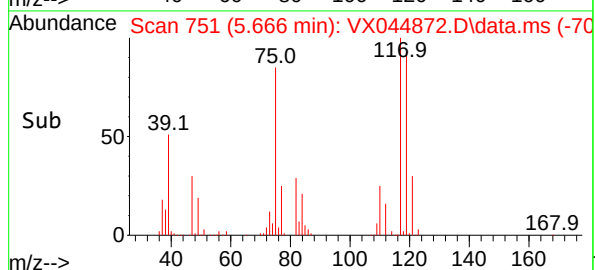
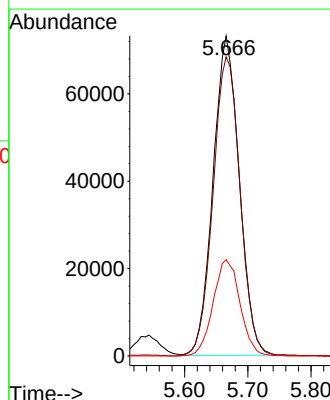
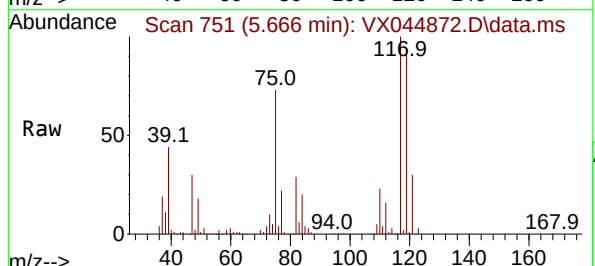
RT: 5.666 min Scan# 751

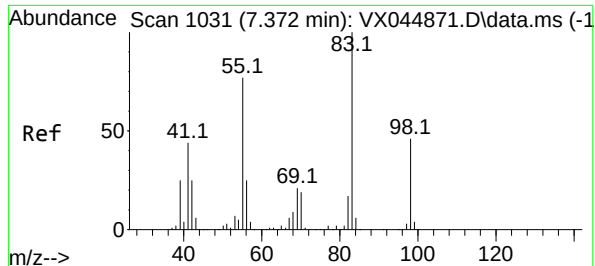
Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion:	117	Resp:	210381
Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.5	116.3
121	30.2	25.6	38.4





#39

Methylcyclohexane

Concen: 104.554 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 29970

Ion Ratio Lower Upper

83 100

55 78.5 61.3 91.9

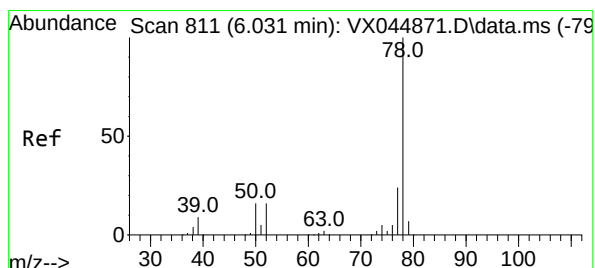
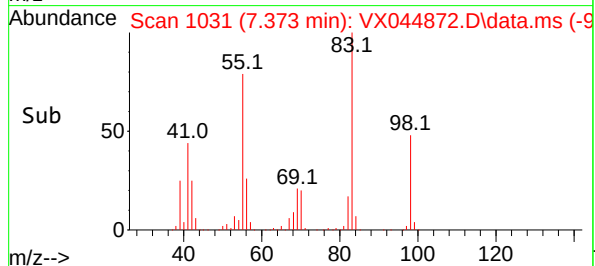
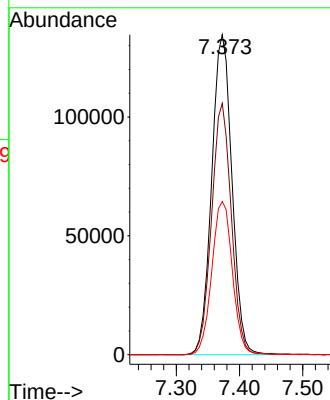
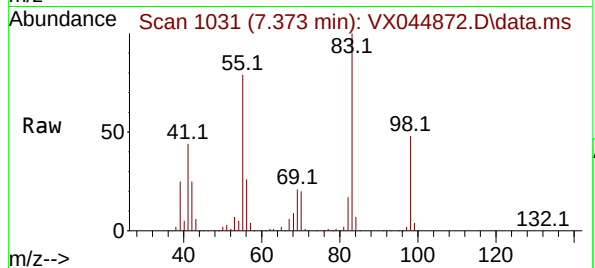
98 47.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 97.576 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044872.D

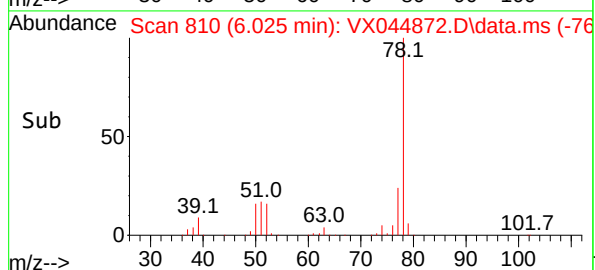
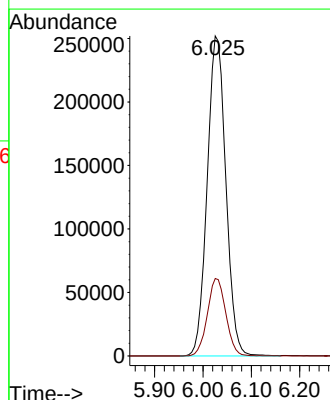
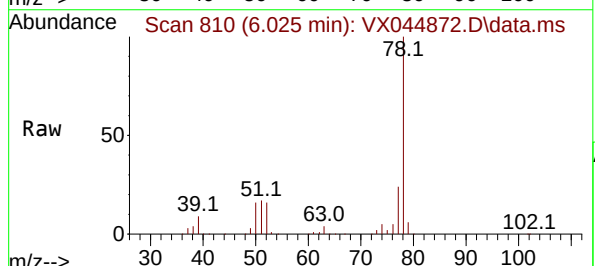
Acq: 10 Feb 2025 12:05

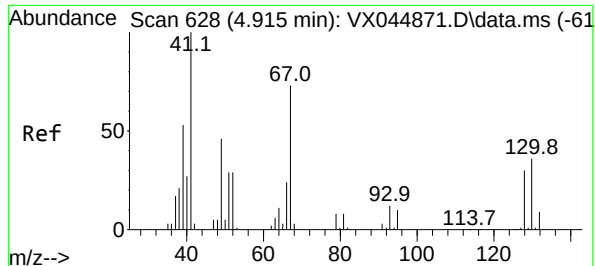
Tgt Ion: 78 Resp: 675556

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6





#41

Methacrylonitrile

Concen: 102.745 ug/l

RT: 4.910 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 135629

Ion Ratio Lower Upper

41 100

39 53.9 43.1 64.7

67 72.4 57.0 85.6

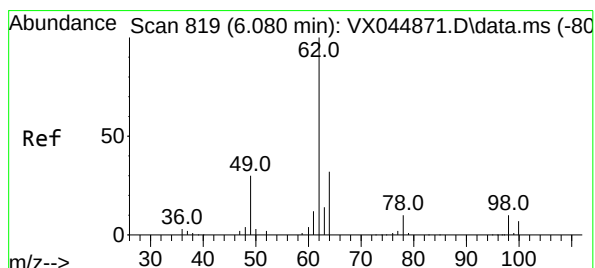
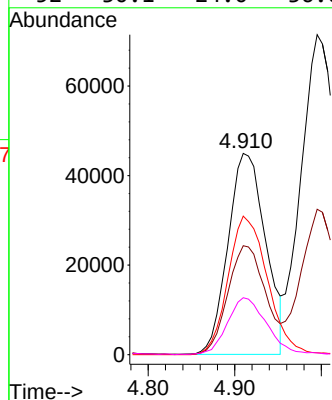
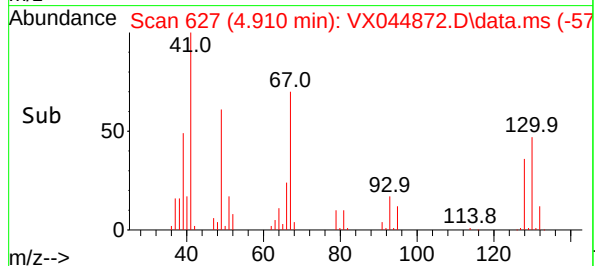
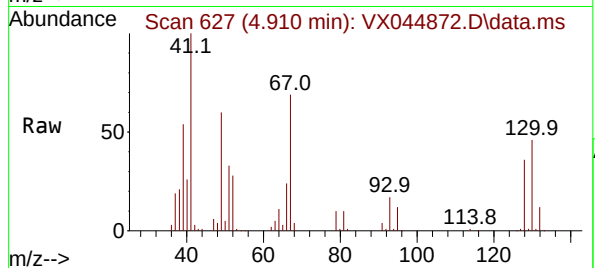
52 30.1 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#42

1,2-Dichloroethane

Concen: 98.875 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044872.D

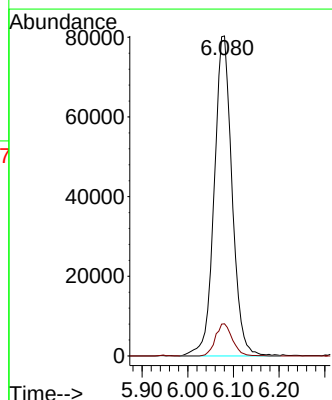
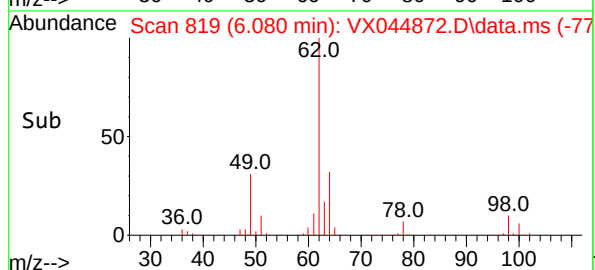
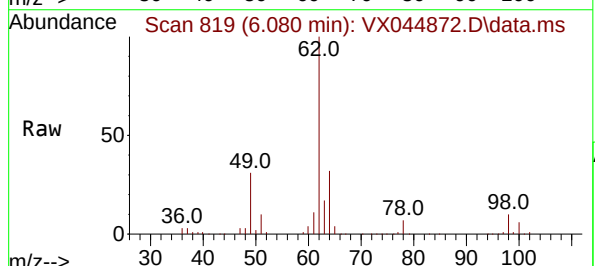
Acq: 10 Feb 2025 12:05

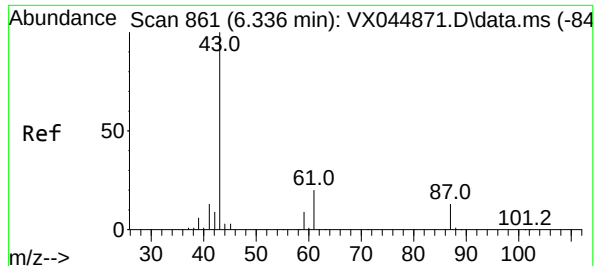
Tgt Ion: 62 Resp: 218174

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 101.818 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 405489

Ion Ratio Lower Upper

43 100

61 19.9 15.8 23.8

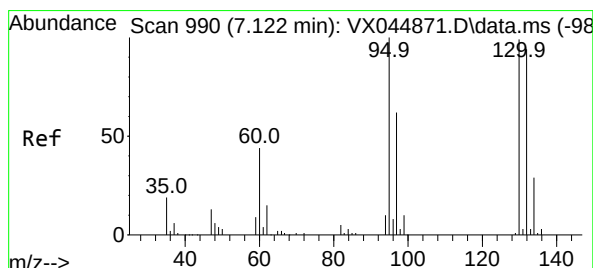
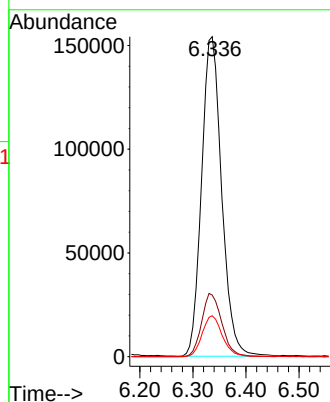
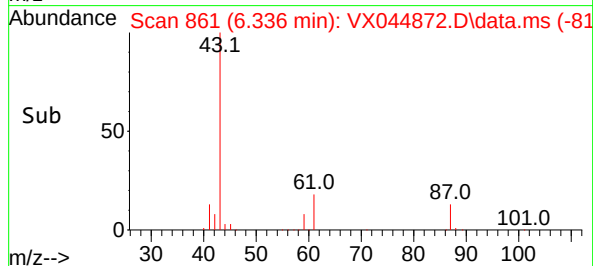
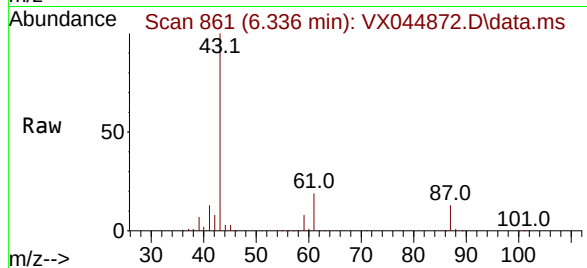
87 12.8 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 99.103 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044872.D

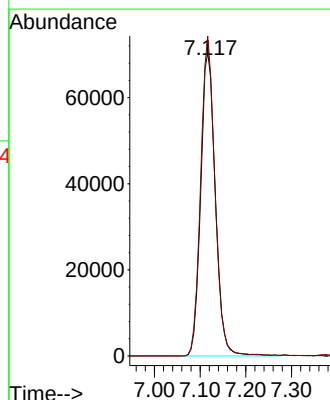
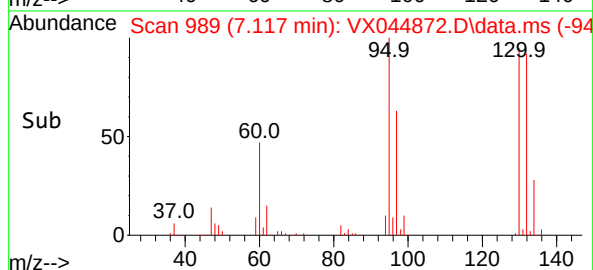
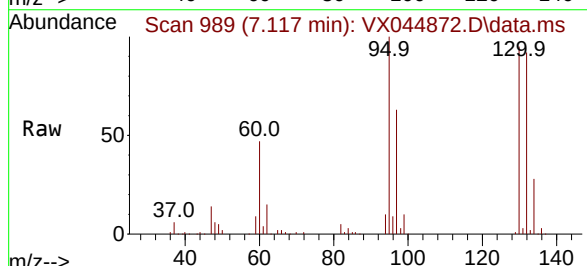
Acq: 10 Feb 2025 12:05

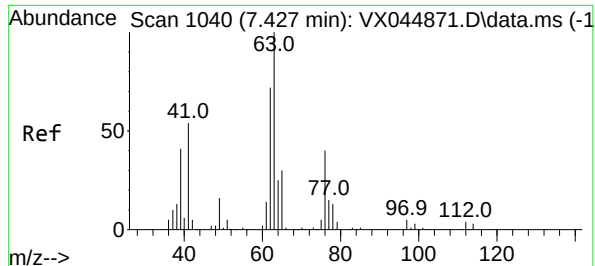
Tgt Ion:130 Resp: 156832

Ion Ratio Lower Upper

130 100

95 105.4 0.0 202.4





#45

1,2-Dichloropropane

Concen: 98.893 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 17033

Ion Ratio Lower Upper

63 100

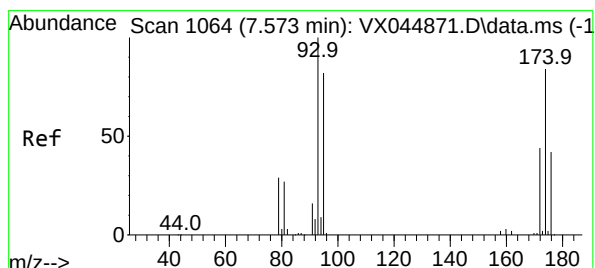
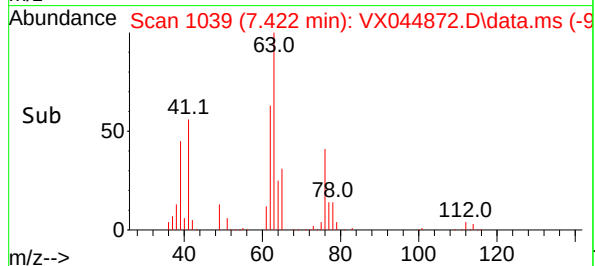
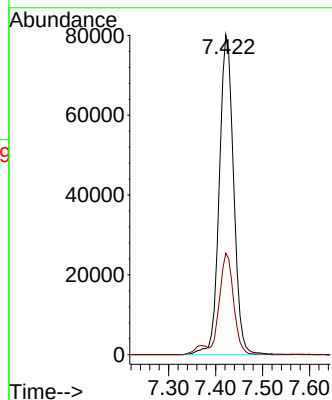
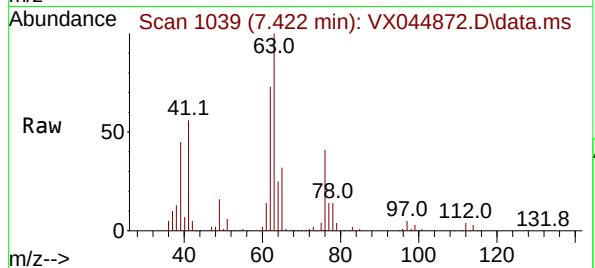
65 31.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 99.747 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

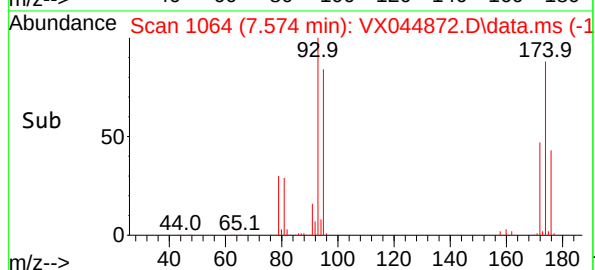
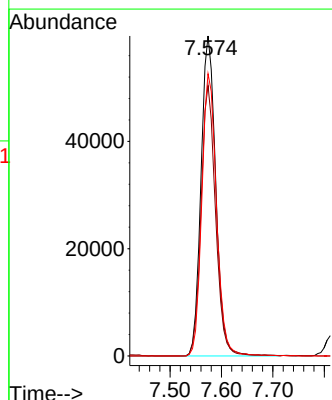
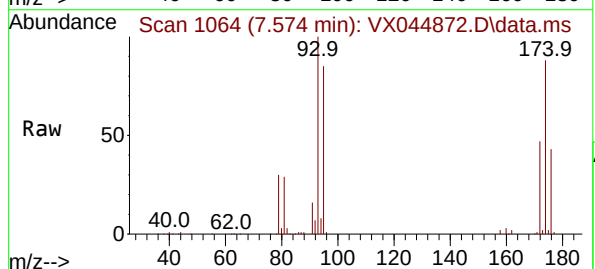
Tgt Ion: 93 Resp: 119149

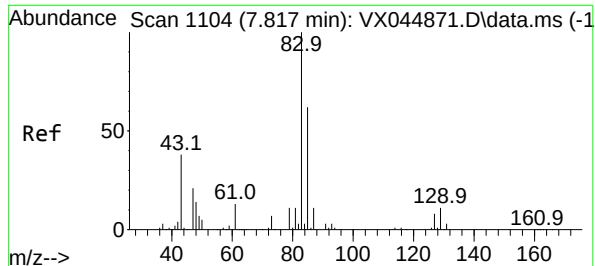
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 88.1 69.9 104.9





#47

Bromodichloromethane

Concen: 102.254 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 236500

Ion Ratio Lower Upper

83 100

85 65.3 50.0 75.0

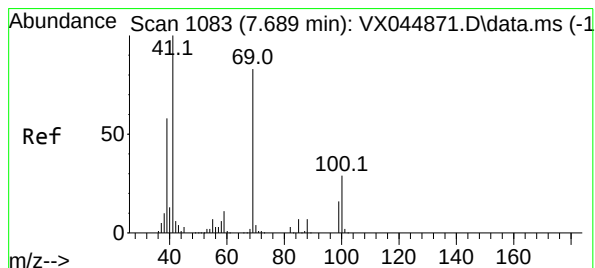
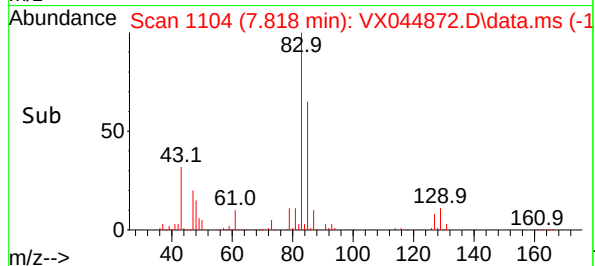
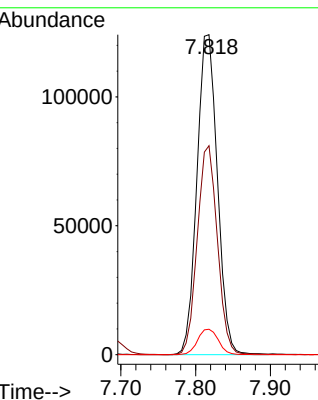
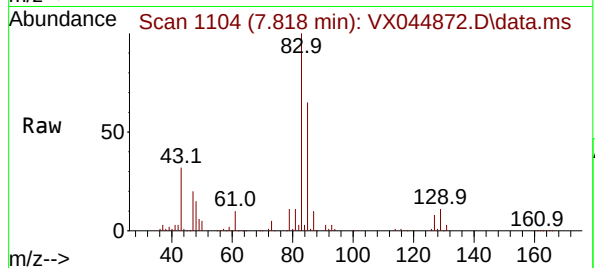
127 8.0 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 104.321 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

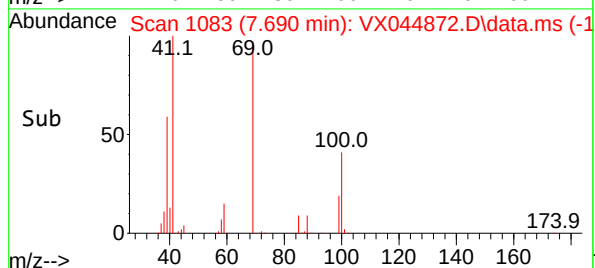
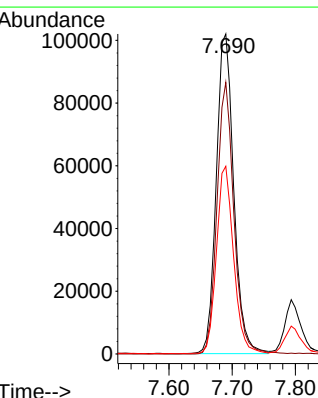
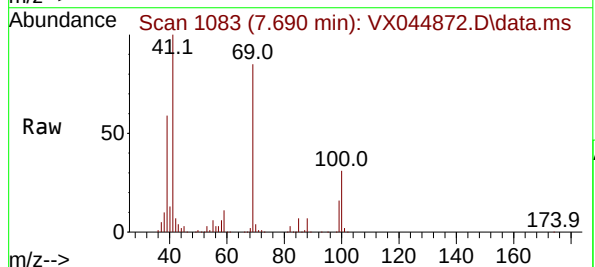
Tgt Ion: 41 Resp: 195892

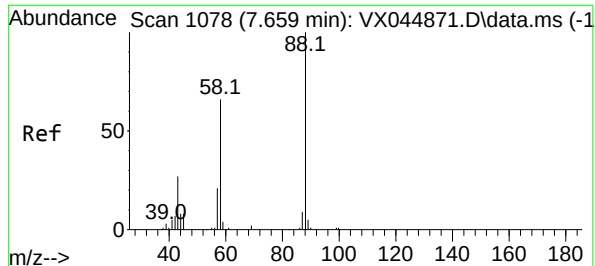
Ion Ratio Lower Upper

41 100

69 82.1 65.8 98.8

39 57.3 46.4 69.6





#49

1,4-Dioxane

Concen: 1931.508 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 77810

Ion Ratio Lower Upper

88 100

43 31.8 26.6 39.8

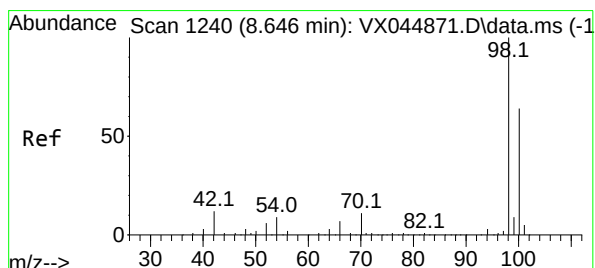
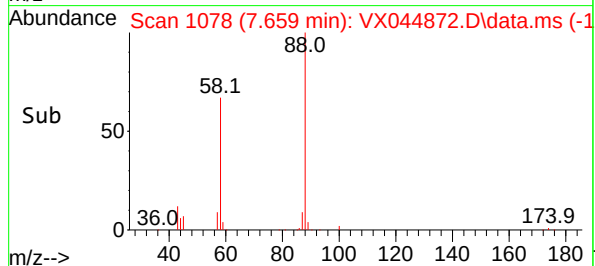
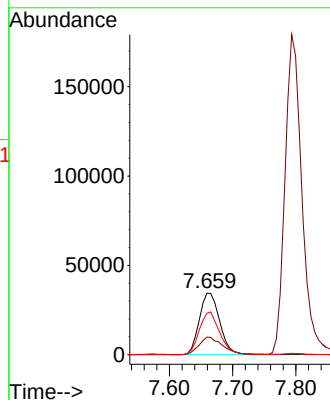
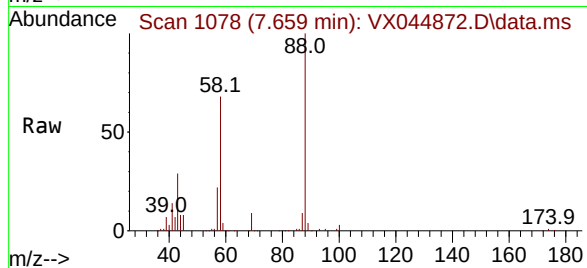
58 68.9 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 98.253 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044872.D

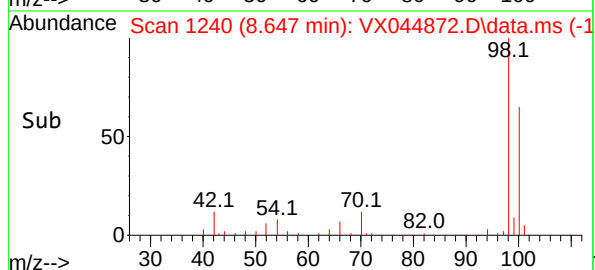
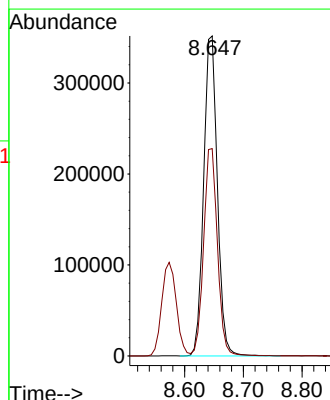
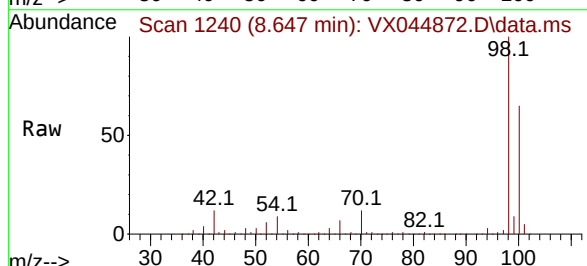
Acq: 10 Feb 2025 12:05

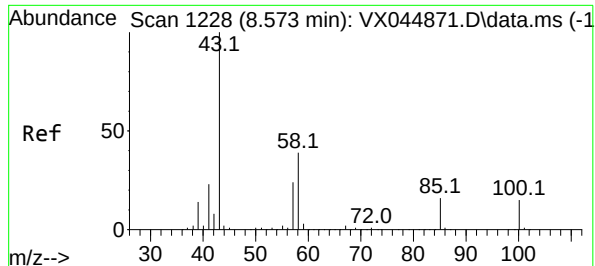
Tgt Ion: 98 Resp: 570976

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 494.353 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 119688

Ion Ratio Lower Upper

43 100

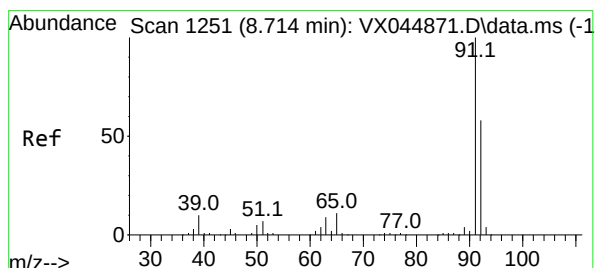
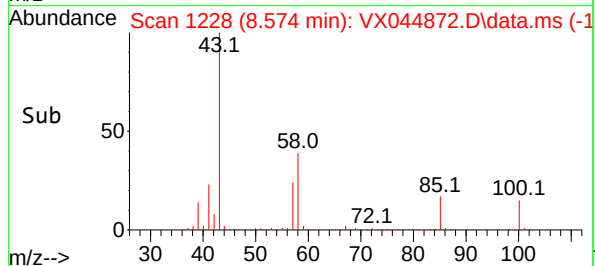
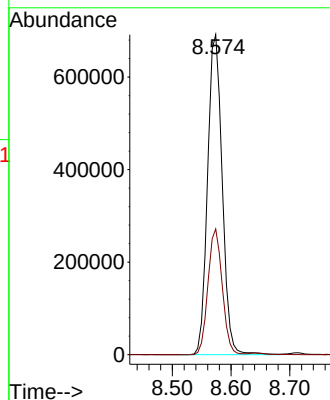
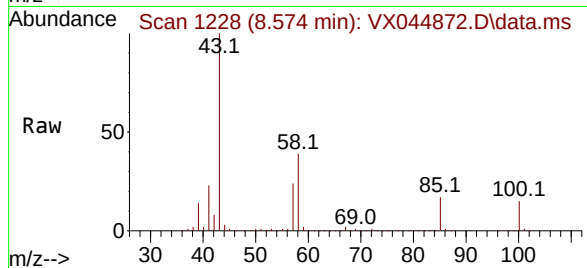
58 38.4 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 99.270 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044872.D

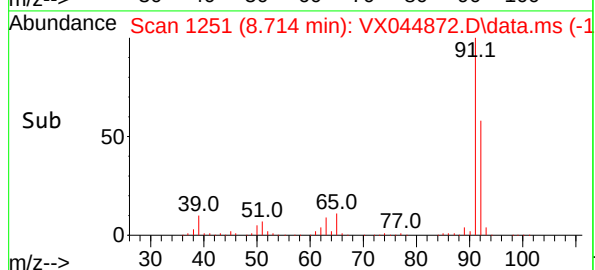
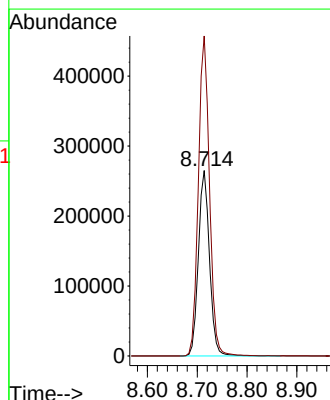
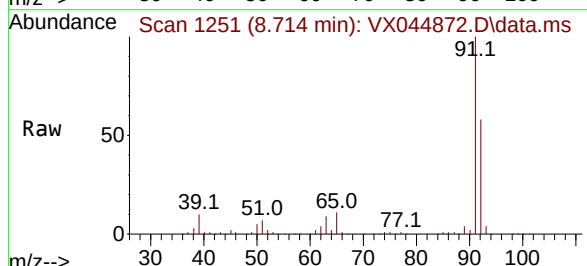
Acq: 10 Feb 2025 12:05

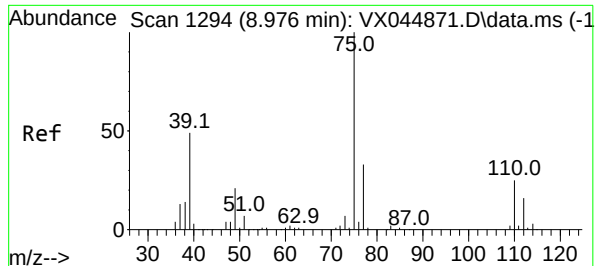
Tgt Ion: 92 Resp: 409318

Ion Ratio Lower Upper

92 100

91 173.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 106.694 ug/l

RT: 8.970 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 24972

Ion Ratio Lower Upper

75 100

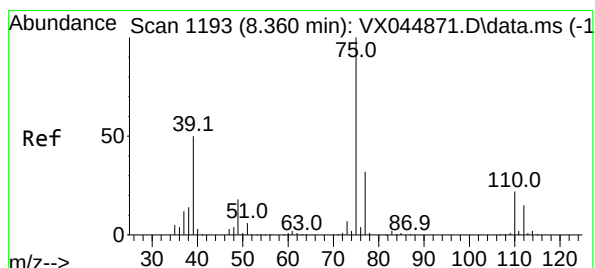
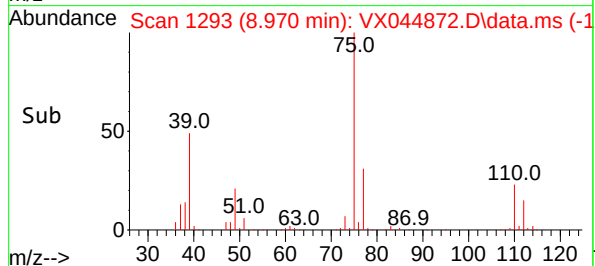
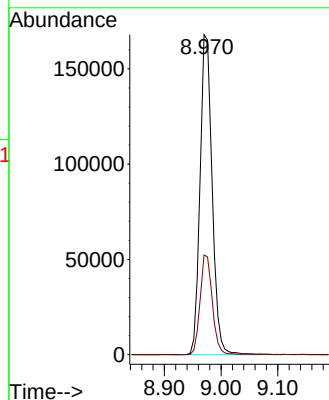
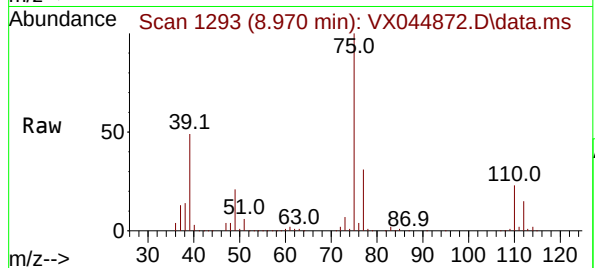
77 31.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 106.287 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

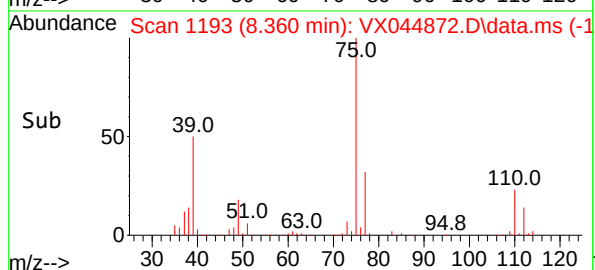
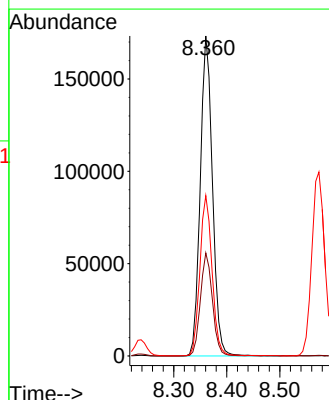
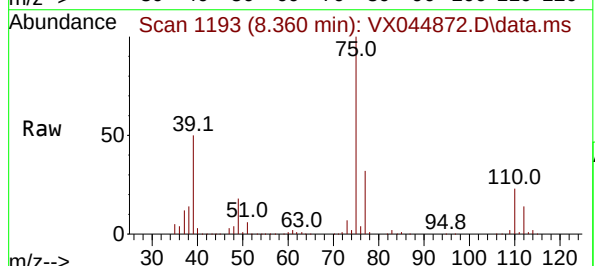
Tgt Ion: 75 Resp: 277371

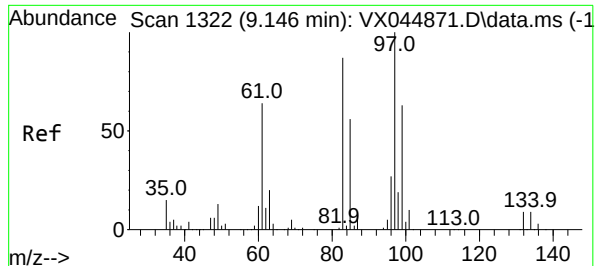
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 50.1 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 98.817 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 156629

Ion Ratio Lower Upper

97 100

83 88.0 69.8 104.6

85 56.2 44.8 67.2

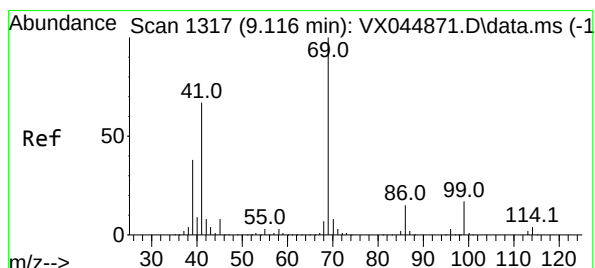
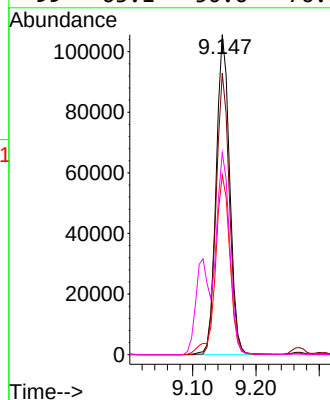
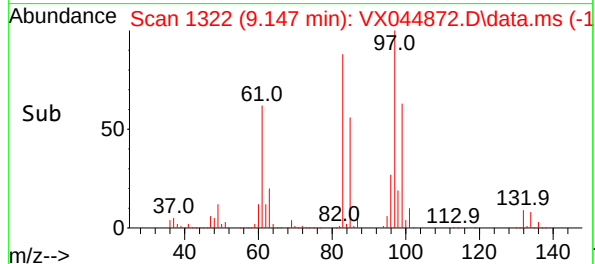
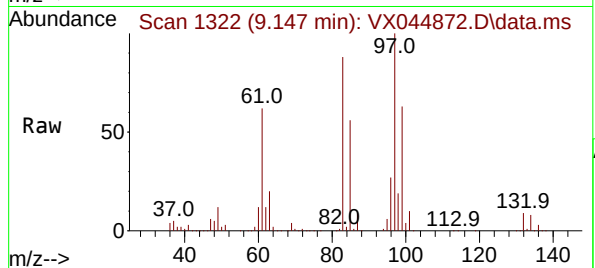
99 63.1 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 104.958 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

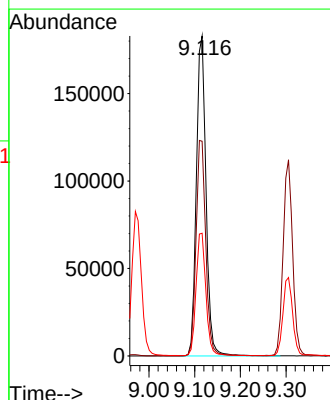
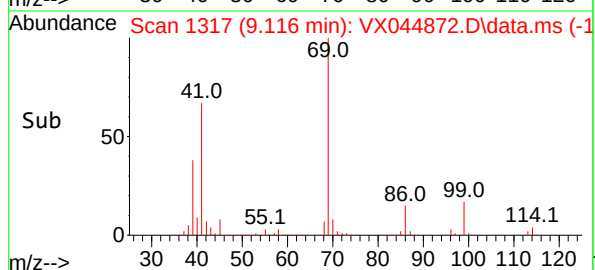
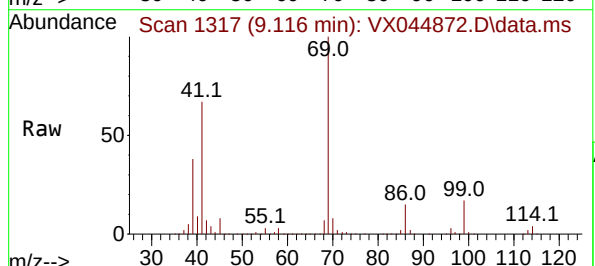
Tgt Ion: 69 Resp: 268693

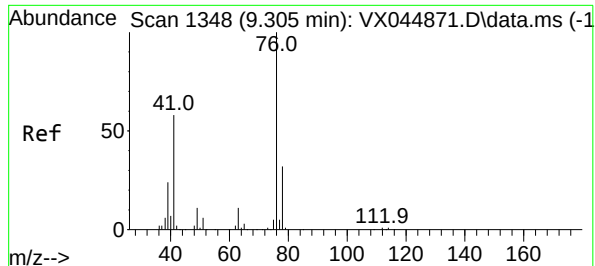
Ion Ratio Lower Upper

69 100

41 68.0 55.2 82.8

39 39.2 30.8 46.2





#57

1,3-Dichloropropane

Concen: 98.742 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 27384

Ion Ratio Lower Upper

76 100

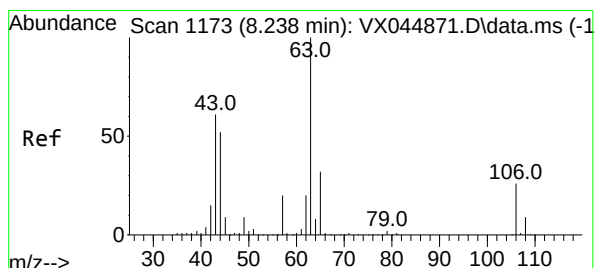
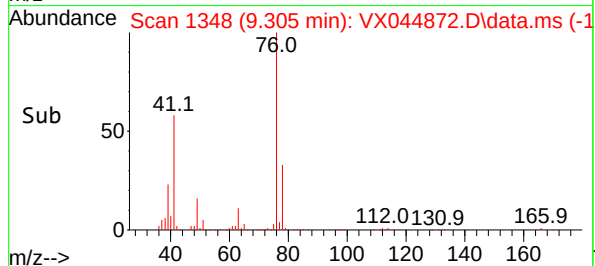
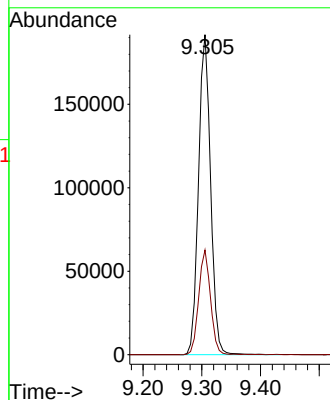
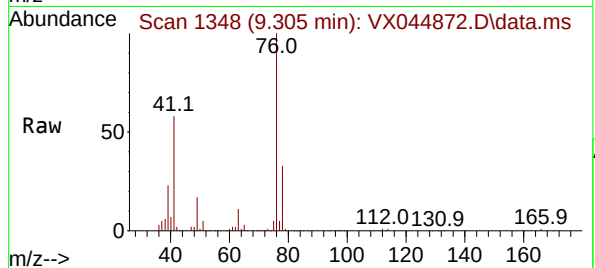
78 32.0 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 528.405 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044872.D

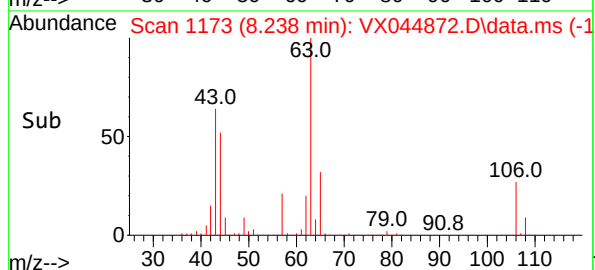
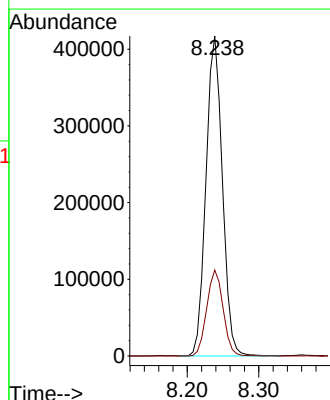
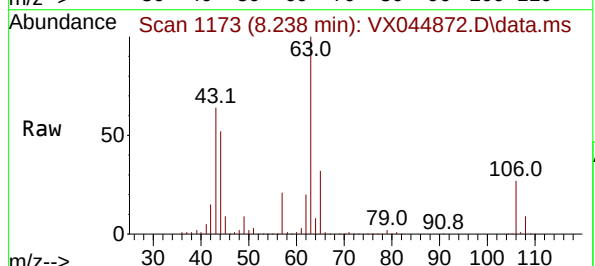
Acq: 10 Feb 2025 12:05

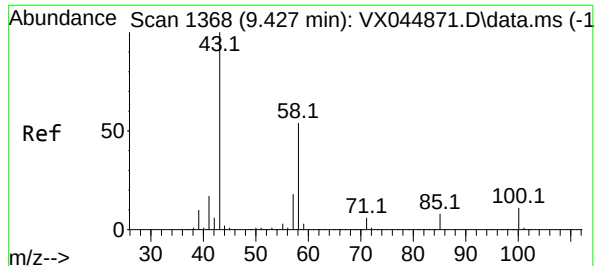
Tgt Ion: 63 Resp: 664198

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9





#59

2-Hexanone

Concen: 499.819 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 871904

Ion Ratio Lower Upper

43 100

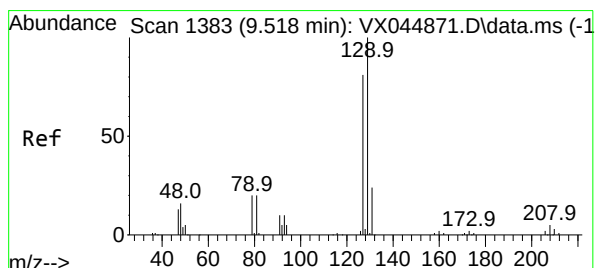
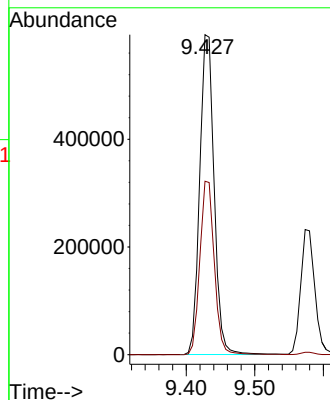
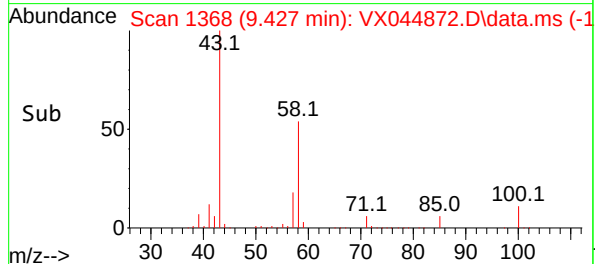
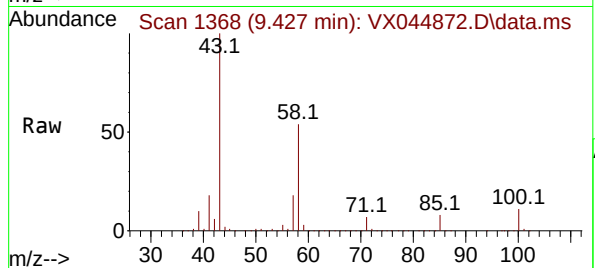
58 54.4 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 102.557 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044872.D

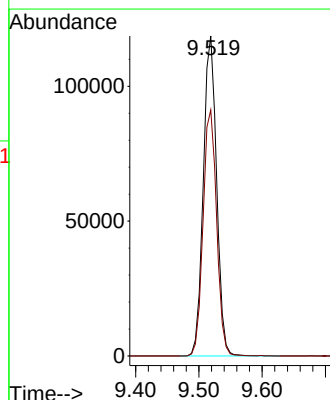
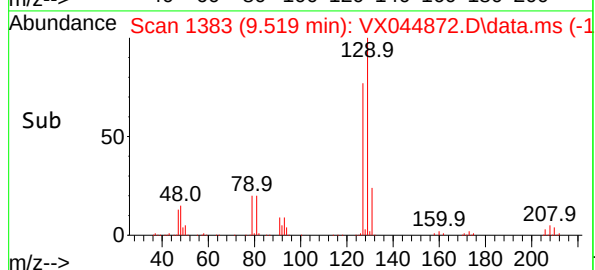
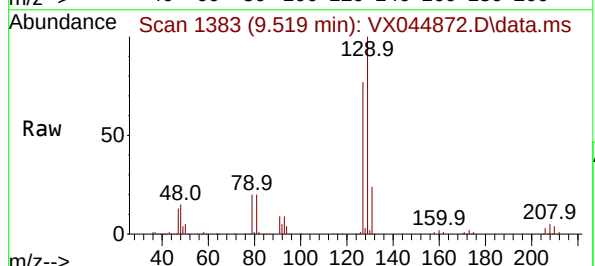
Acq: 10 Feb 2025 12:05

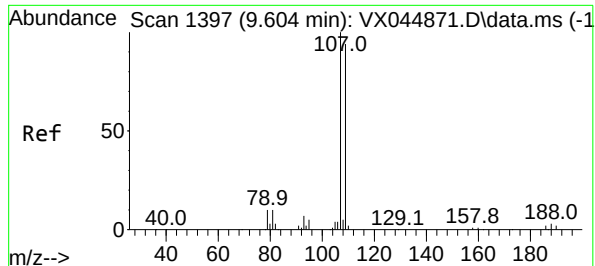
Tgt Ion:129 Resp: 173848

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3





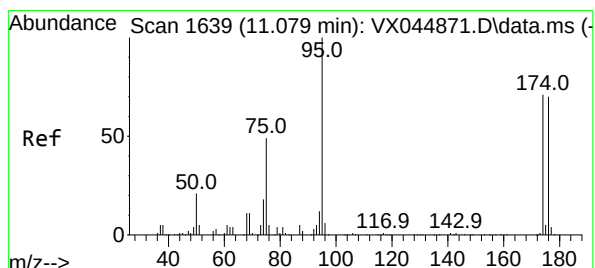
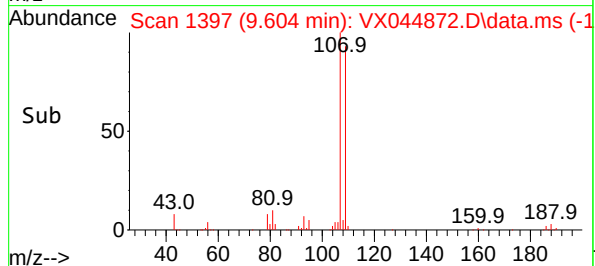
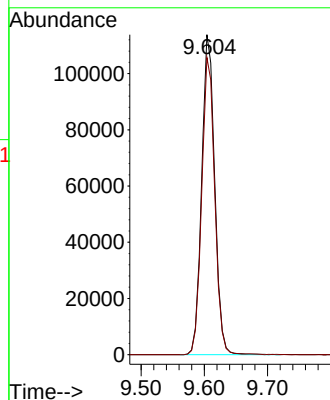
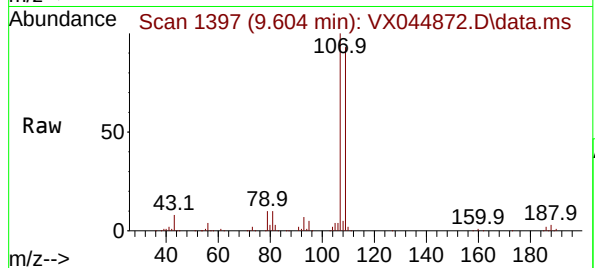
#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 16298
Ion Ratio Lower Upper
107 100
109 93.1 75.9 113.9

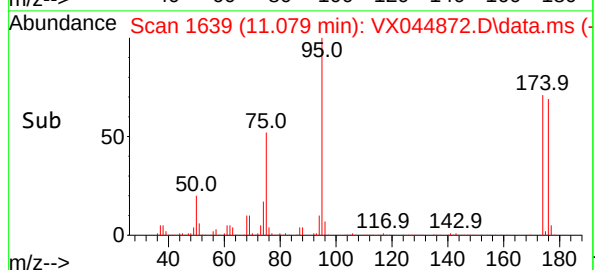
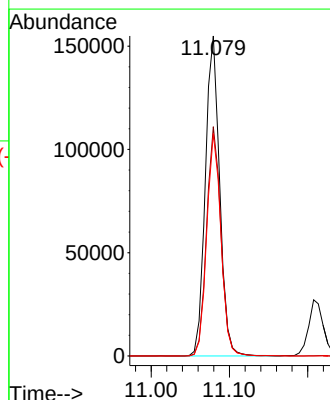
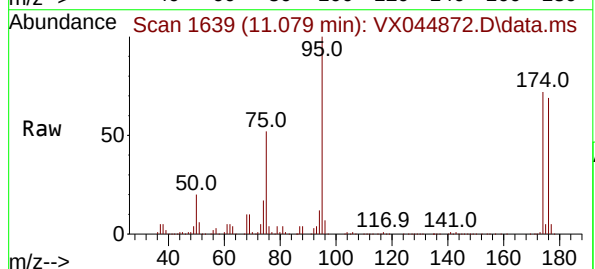
Manual Integrations
APPROVED

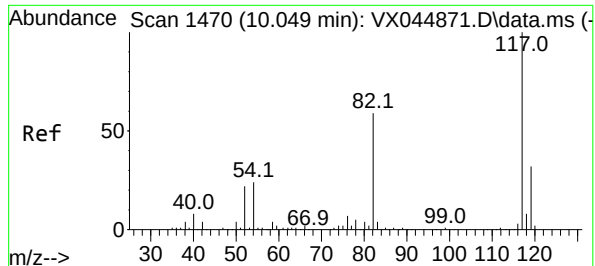
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 100.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066
Ion Ratio Lower Upper
95 100
174 71.6 0.0 142.6
176 68.8 0.0 141.6





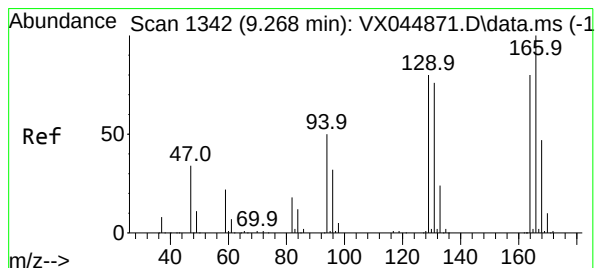
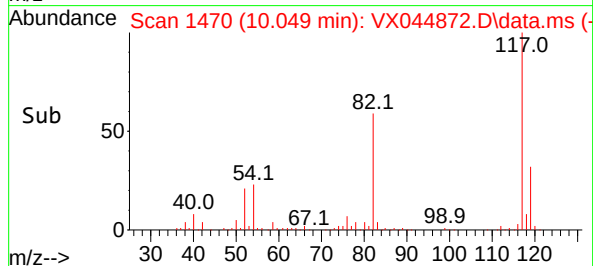
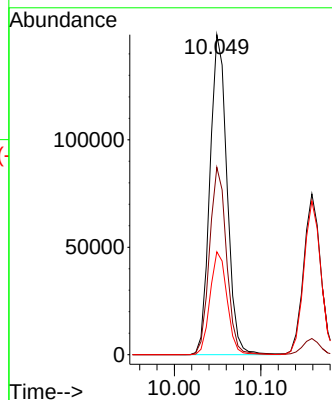
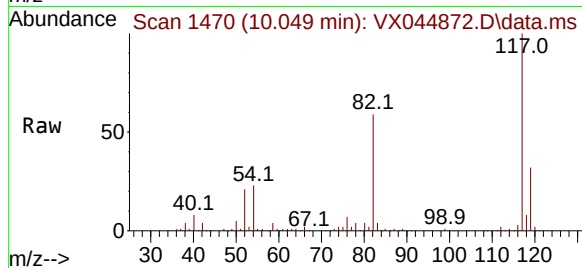
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 20388
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 32.2 25.4 38.0

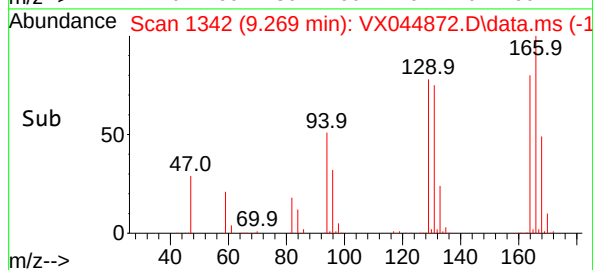
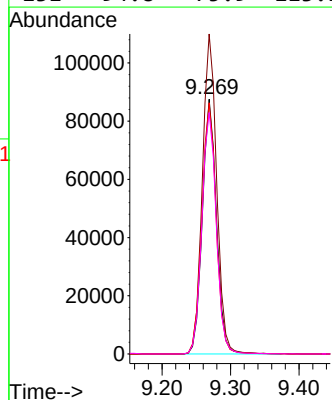
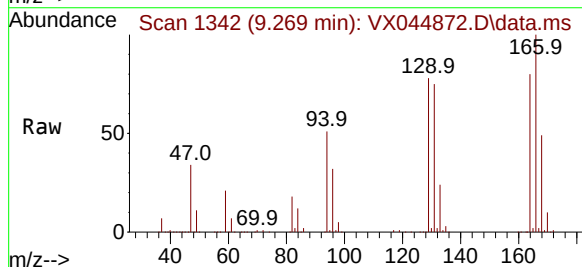
Manual Integrations
APPROVED

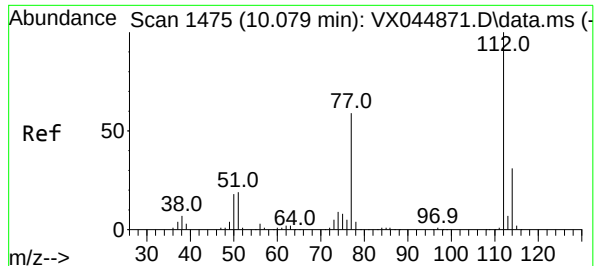
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#64
Tetrachloroethene
Concen: 97.447 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294
Ion Ratio Lower Upper
164 100
166 125.6 100.4 150.6
129 98.6 79.9 119.9
131 94.8 75.9 113.9





#65

Chlorobenzene

Concen: 99.694 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 43656

Ion Ratio Lower Upper

112 100

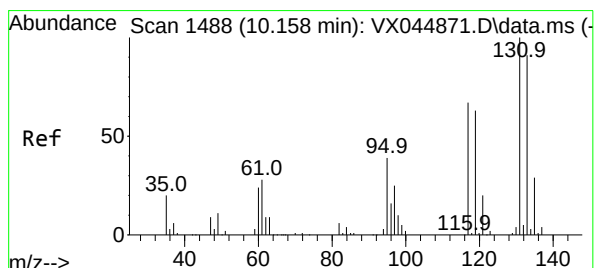
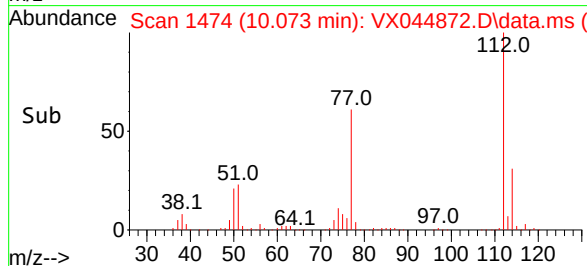
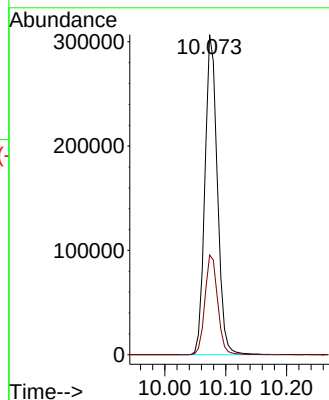
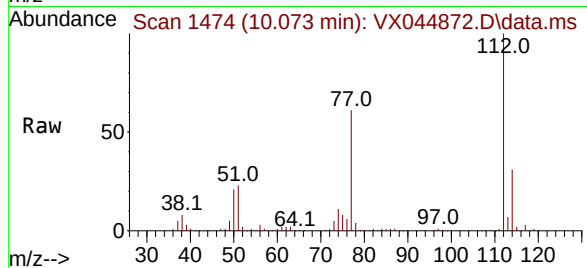
114 31.2 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 102.728 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

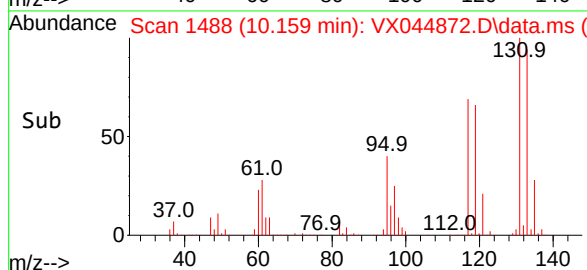
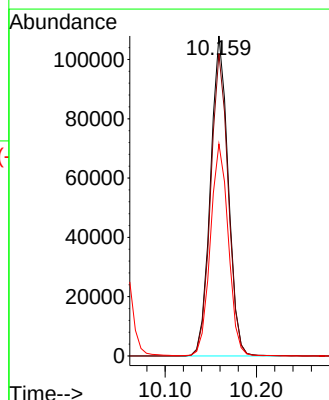
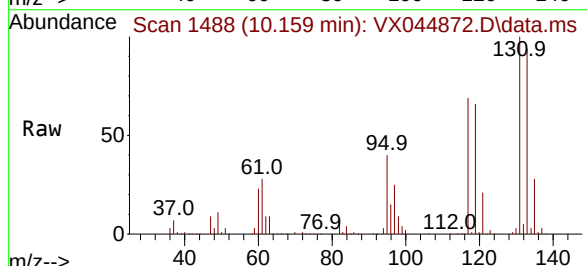
Tgt Ion:131 Resp: 144793

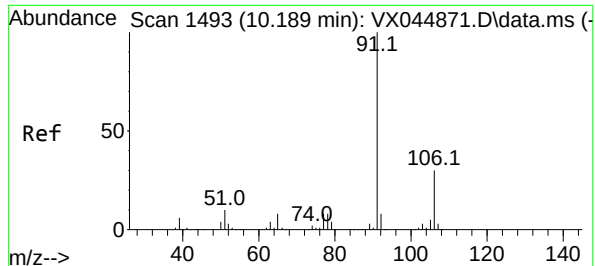
Ion Ratio Lower Upper

131 100

133 94.1 47.1 141.3

119 67.2 33.6 100.6





#67

Ethyl Benzene

Concen: 101.477 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 784184

Ion Ratio Lower Upper

91 100

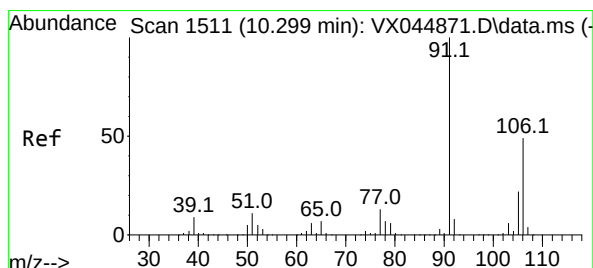
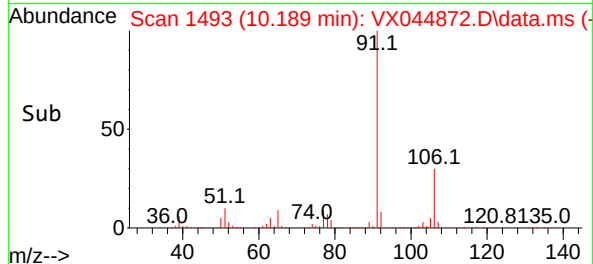
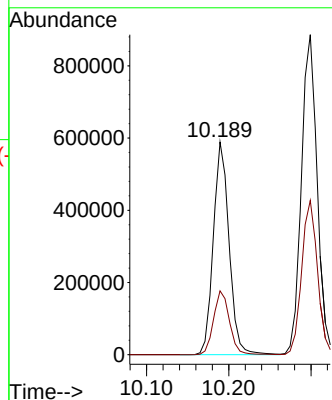
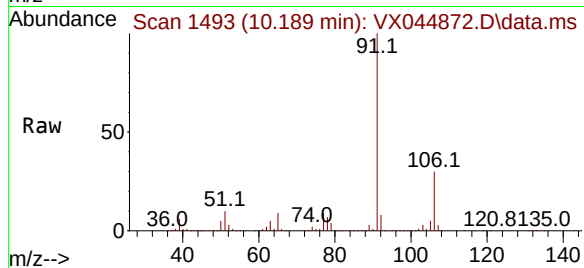
106 30.0 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 201.907 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044872.D

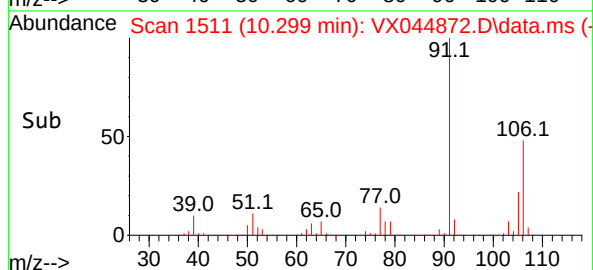
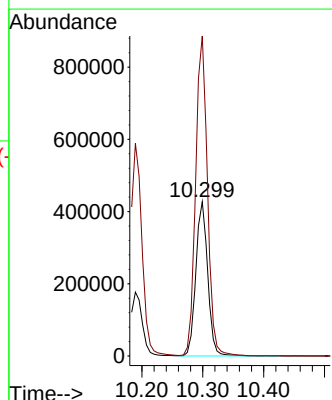
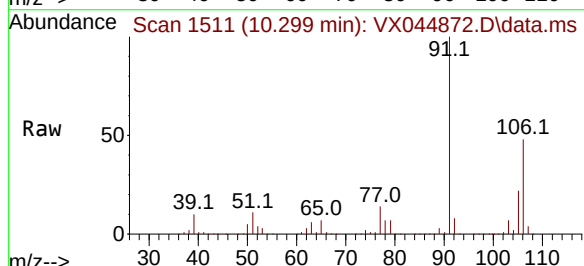
Acq: 10 Feb 2025 12:05

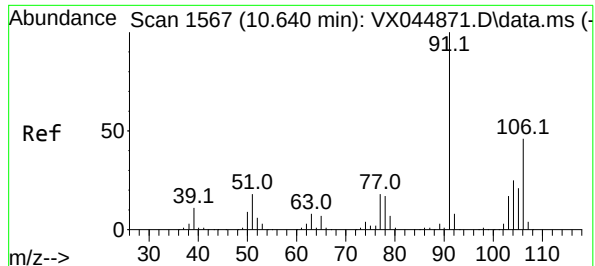
Tgt Ion:106 Resp: 575559

Ion Ratio Lower Upper

106 100

91 207.1 164.3 246.5





#69

o-Xylene

Concen: 98.530 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 281830

Ion Ratio Lower Upper

106 100

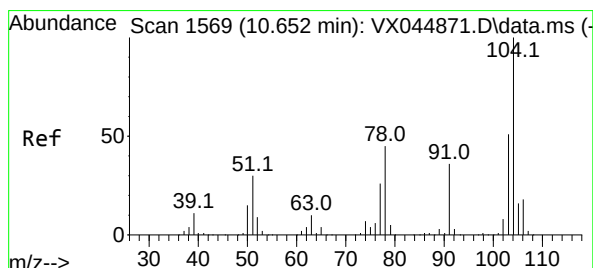
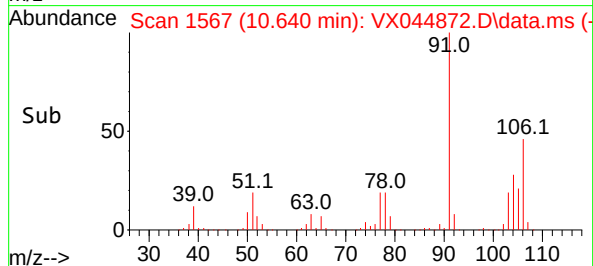
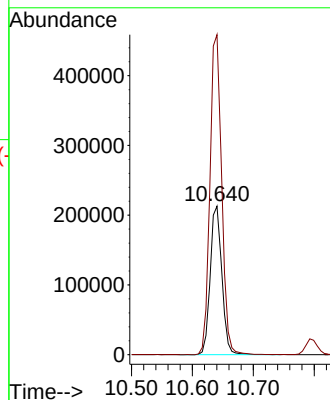
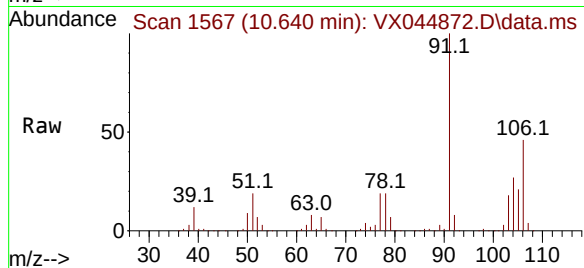
91 217.3 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 102.728 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

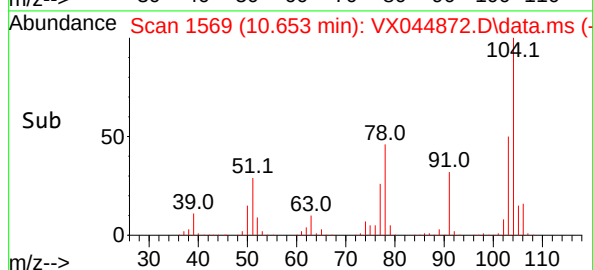
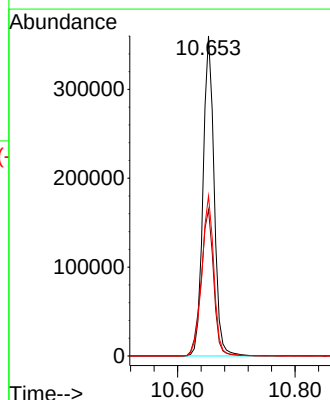
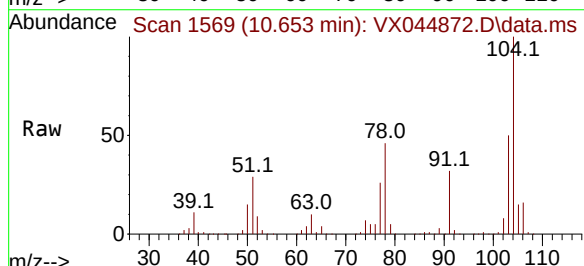
Tgt Ion:104 Resp: 473403

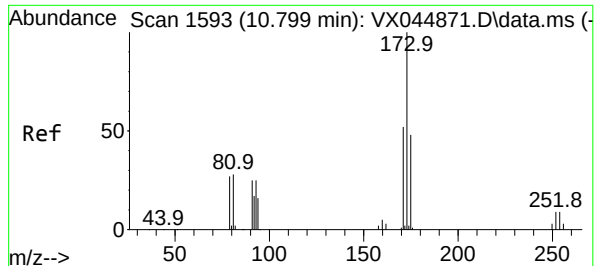
Ion Ratio Lower Upper

104 100

78 51.5 40.5 60.7

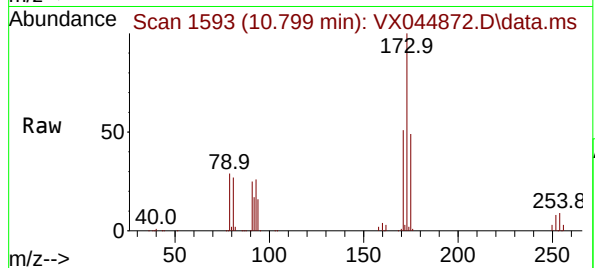
103 54.5 43.6 65.4





#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

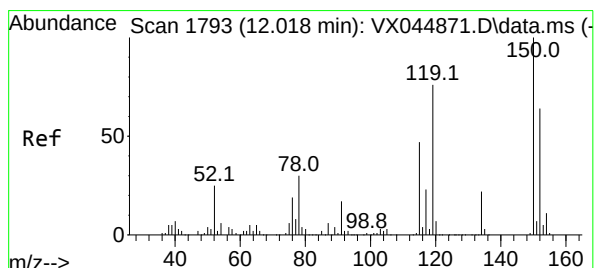
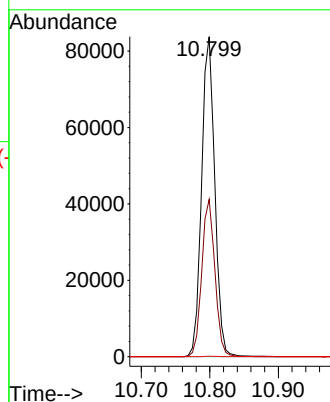
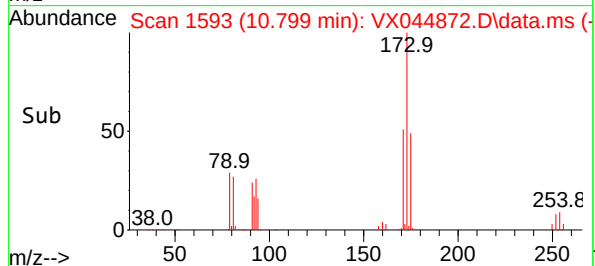
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 11237
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.1 0.0 0.0

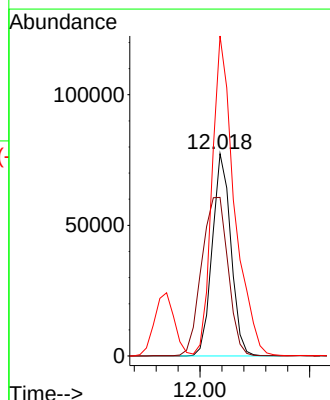
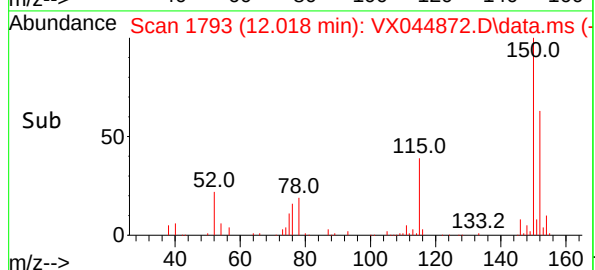
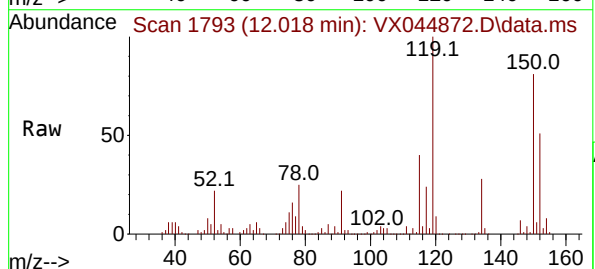
Manual Integrations
APPROVED

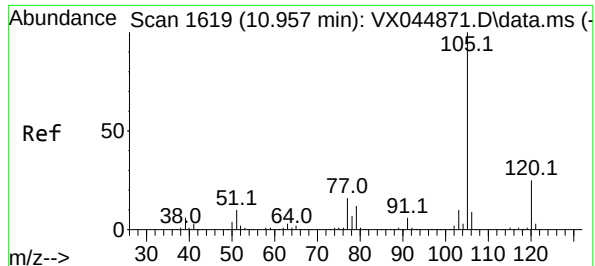
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:152 Resp: 91371
Ion Ratio Lower Upper
152 100
115 111.2 43.4 130.1
150 189.1 0.0 350.4





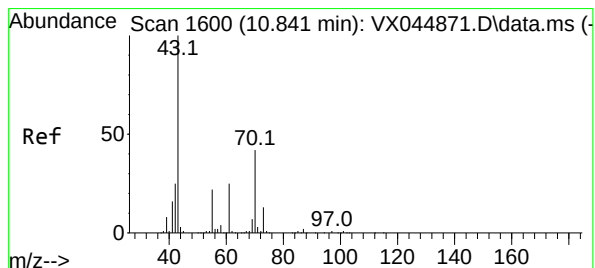
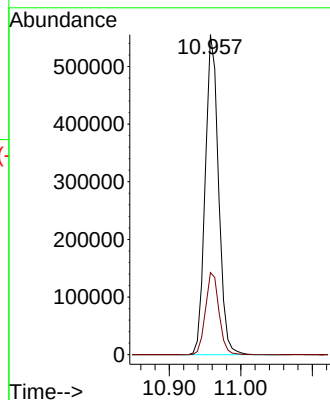
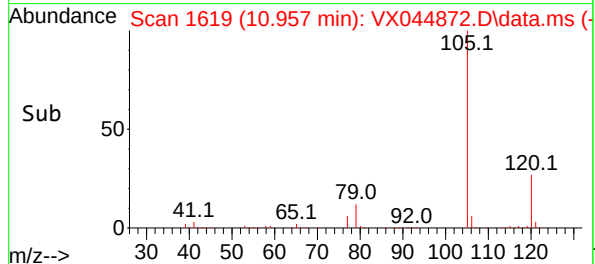
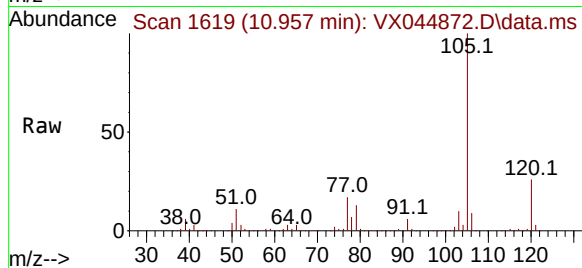
#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 105 Resp: 71992
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

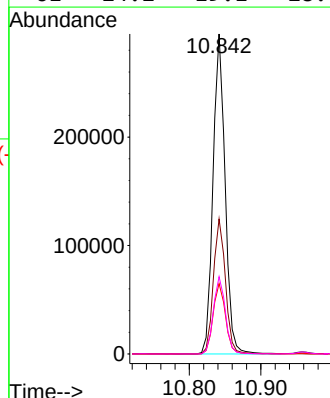
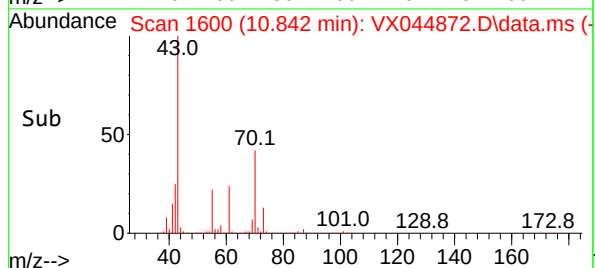
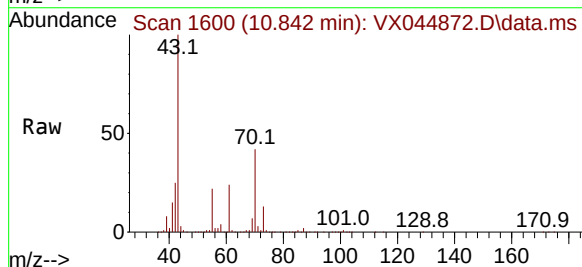
Manual Integrations
APPROVED

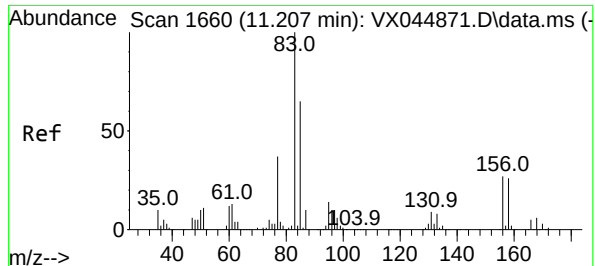
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 103.687 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193
Ion Ratio Lower Upper
43 100
70 42.4 33.7 50.5
55 22.6 18.6 27.8
61 24.2 19.1 28.7





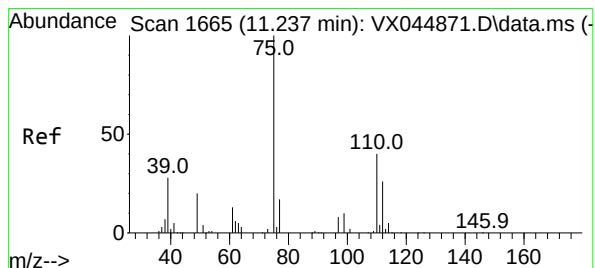
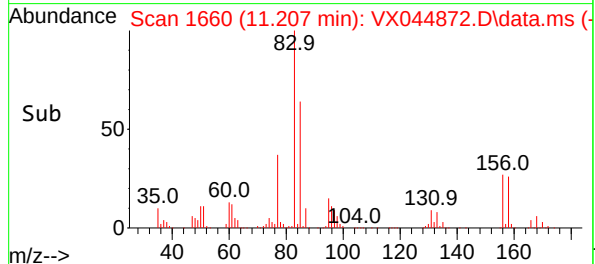
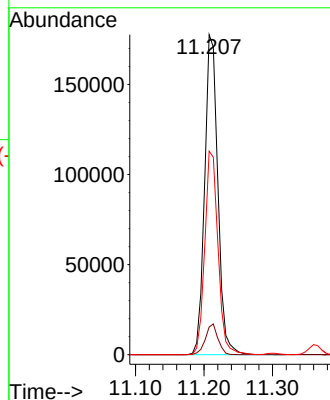
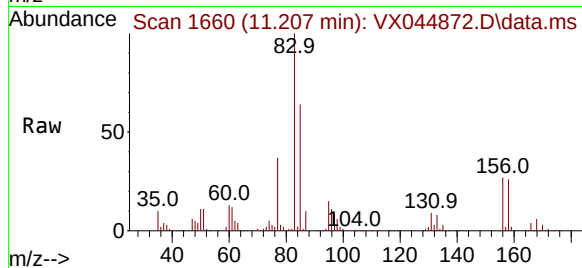
#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 238529
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 63.9 32.3 96.8

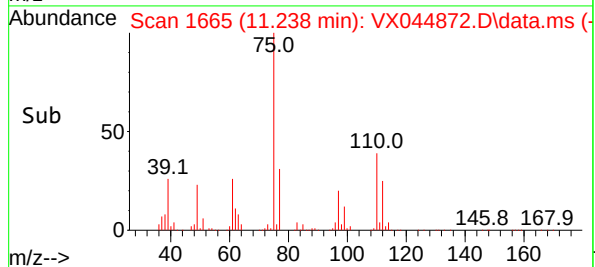
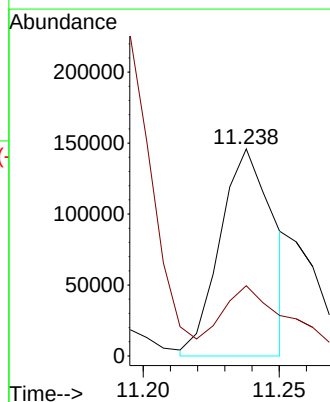
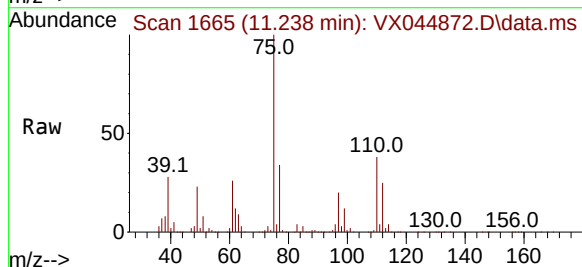
Manual Integrations
APPROVED

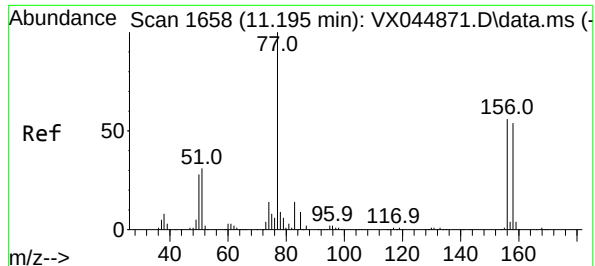
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 97.896 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

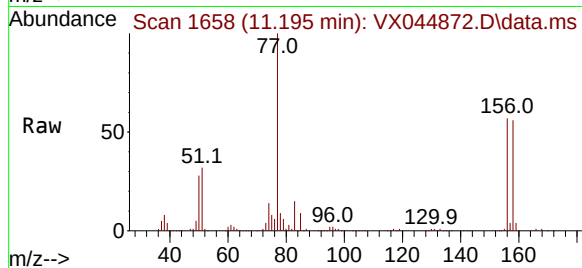
Tgt Ion: 75 Resp: 198320
Ion Ratio Lower Upper
75 100
77 43.4 21.9 65.7





#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

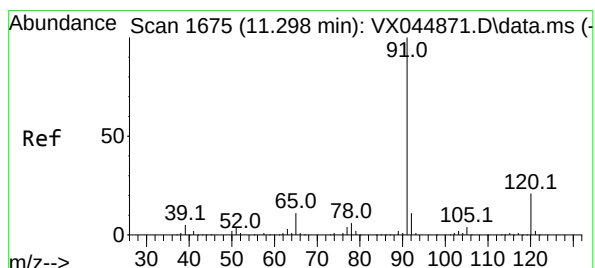
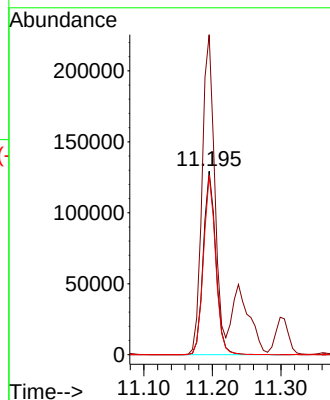
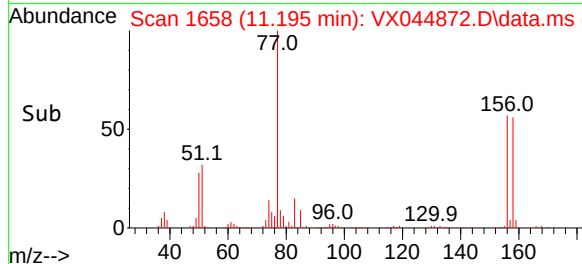
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



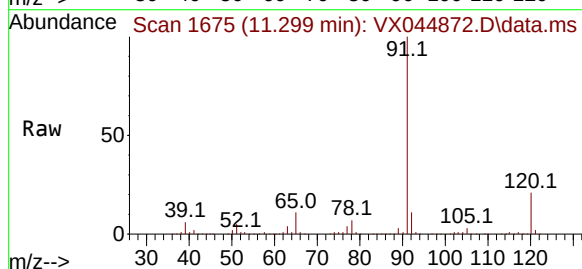
Tgt Ion: 156 Resp: 16384
Ion Ratio Lower Upper
156 100
77 176.7 88.4 265.3
158 95.7 48.4 145.2

Manual Integrations
APPROVED

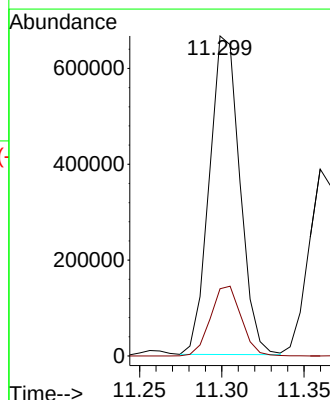
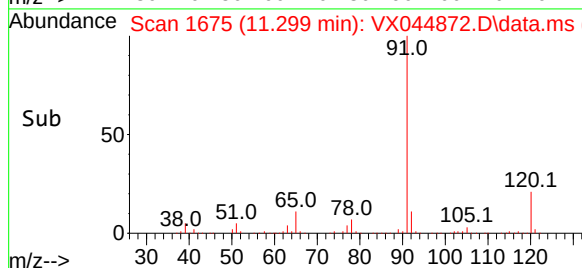
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

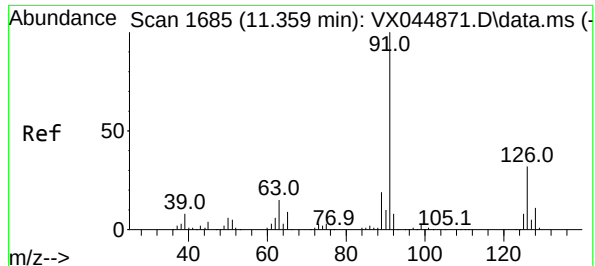


#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05



Tgt Ion: 91 Resp: 858793
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 95.257 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 497149

Ion Ratio Lower Upper

91 100

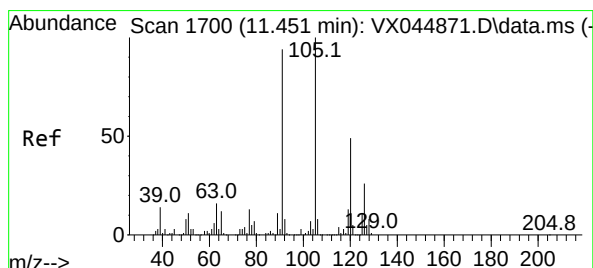
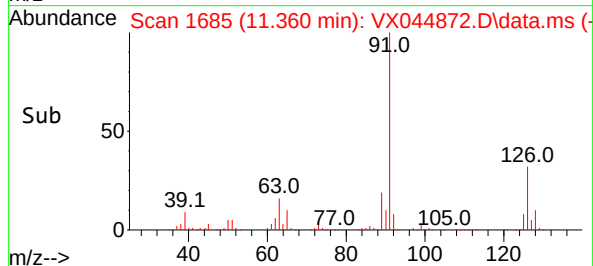
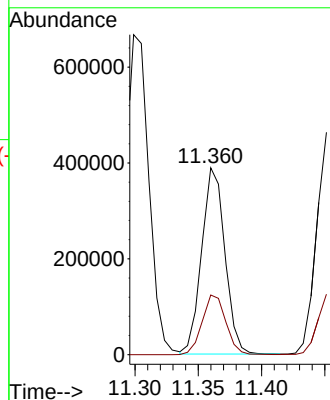
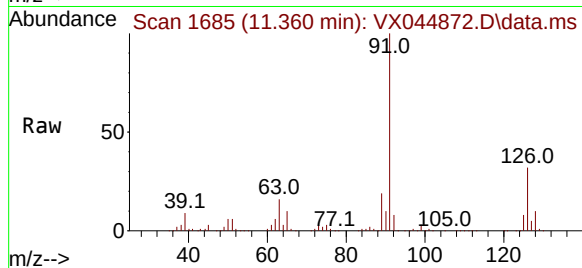
126 32.8 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 97.966 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044872.D

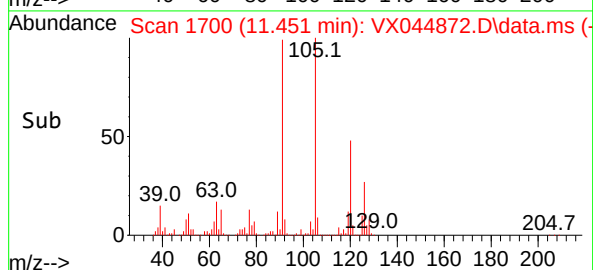
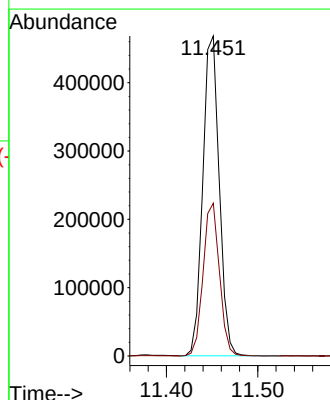
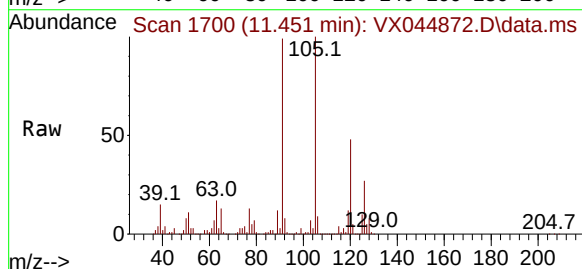
Acq: 10 Feb 2025 12:05

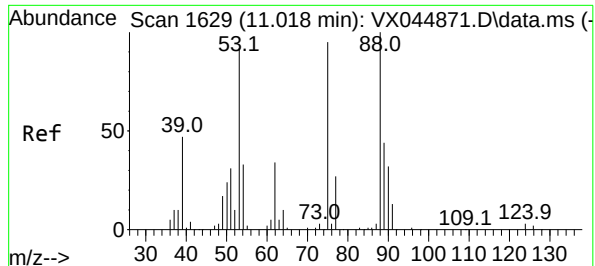
Tgt Ion:105 Resp: 584885

Ion Ratio Lower Upper

105 100

120 47.4 24.0 72.0





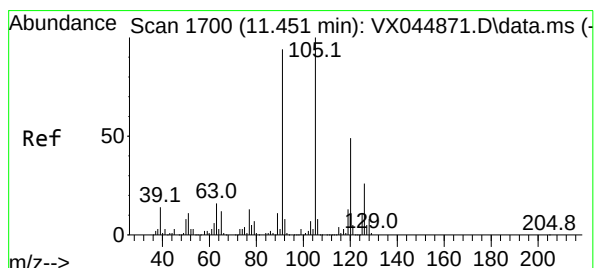
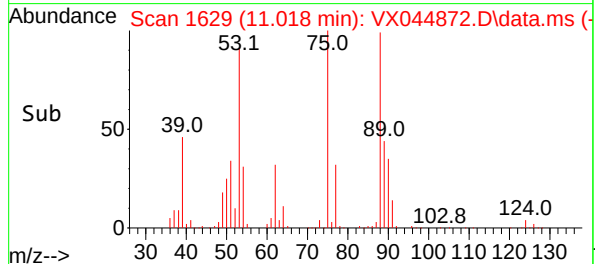
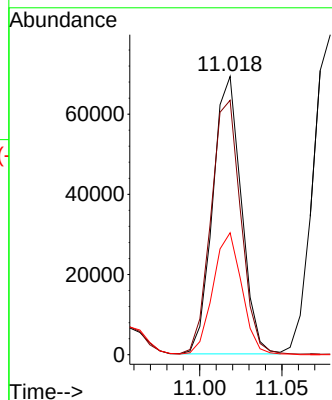
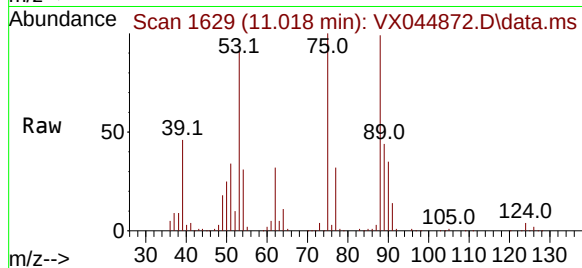
#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 8348
Ion Ratio Lower Upper
75 100
53 95.9 78.0 117.0
89 44.6 36.6 54.8

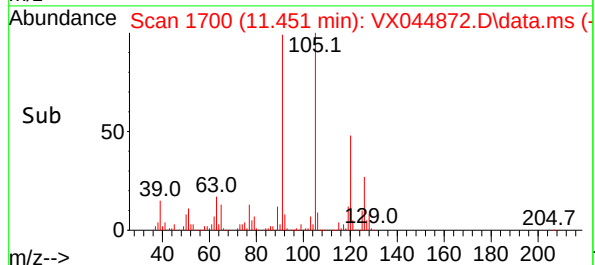
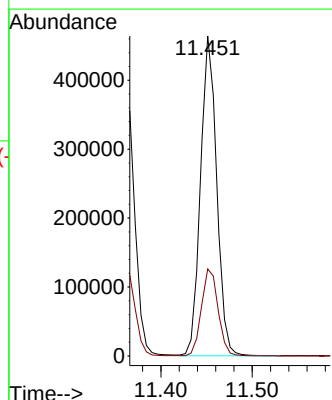
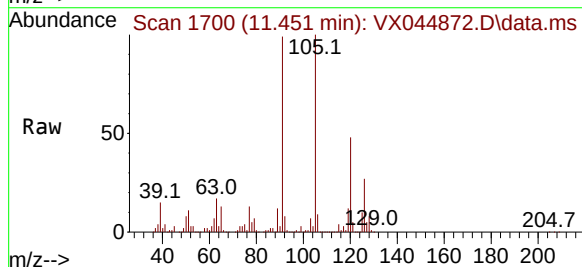
Manual Integrations
APPROVED

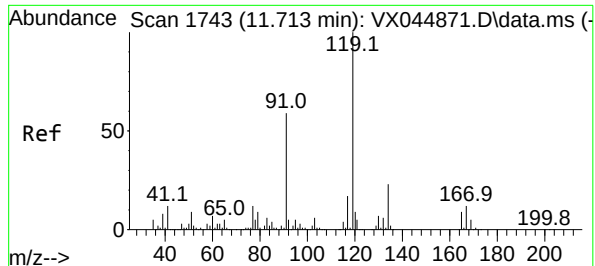
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 98.634 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6





#83

tert-Butylbenzene

Concen: 97.917 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:119 Resp: 591390

Ion Ratio Lower Upper

119 100

91 59.2 29.1 87.4

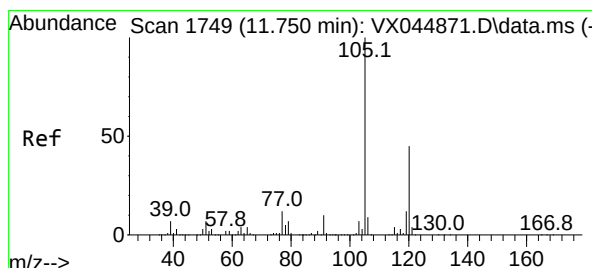
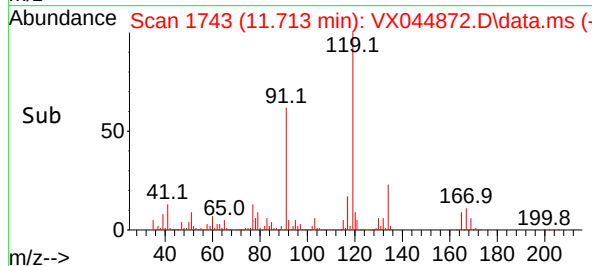
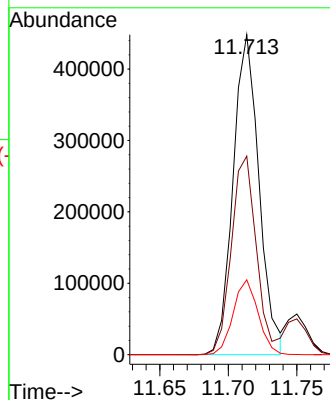
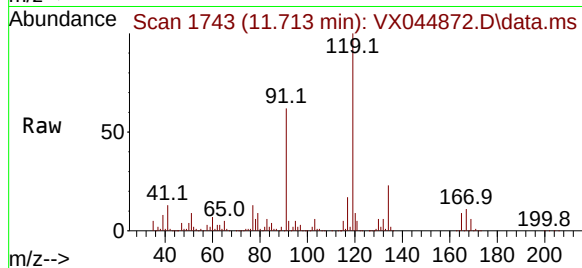
134 22.6 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 99.851 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044872.D

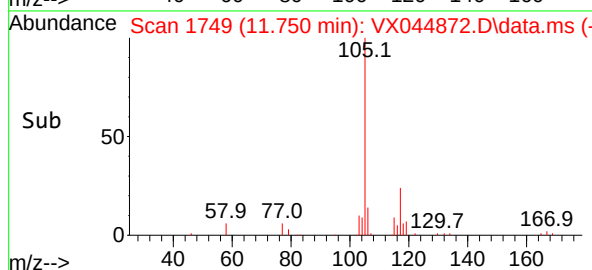
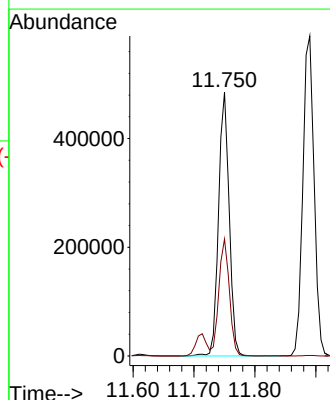
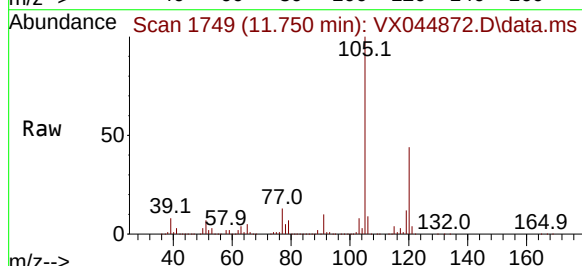
Acq: 10 Feb 2025 12:05

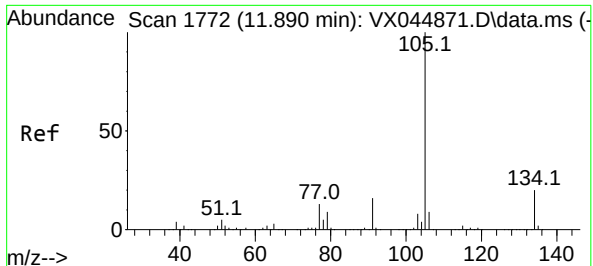
Tgt Ion:105 Resp: 588385

Ion Ratio Lower Upper

105 100

120 44.0 22.4 67.0





#85

sec-Butylbenzene

Concen: 100.219 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 749534

Ion Ratio Lower Upper

105 100

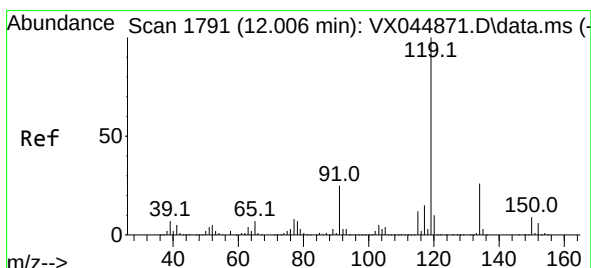
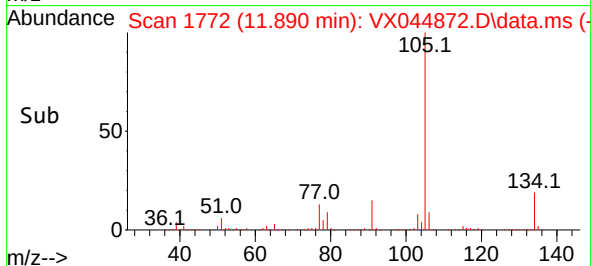
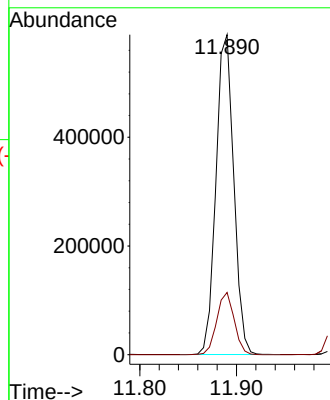
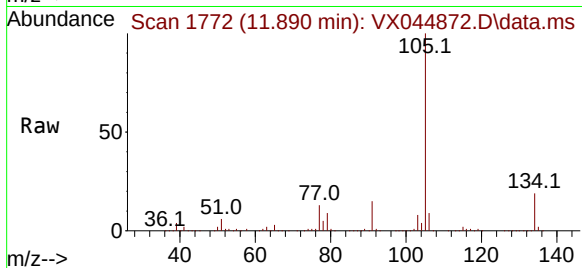
134 19.2 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 101.019 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

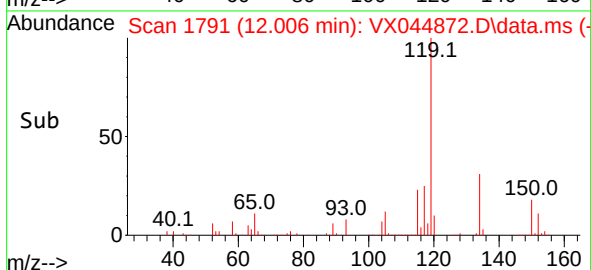
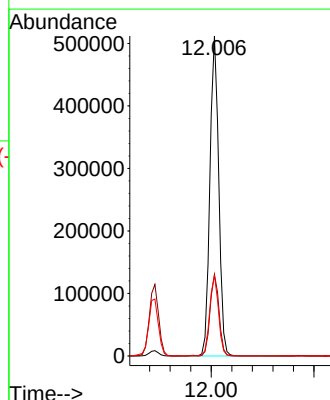
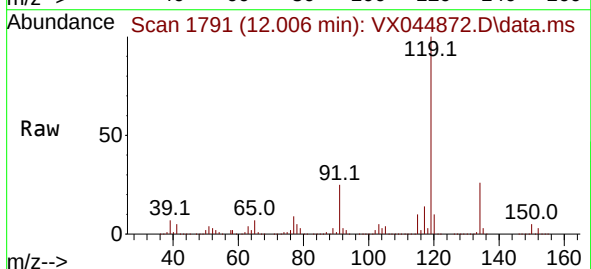
Tgt Ion:119 Resp: 607577

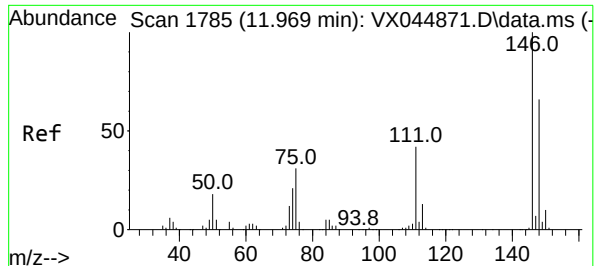
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 99.061 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 30385

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

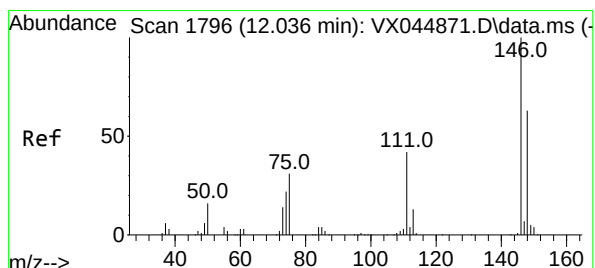
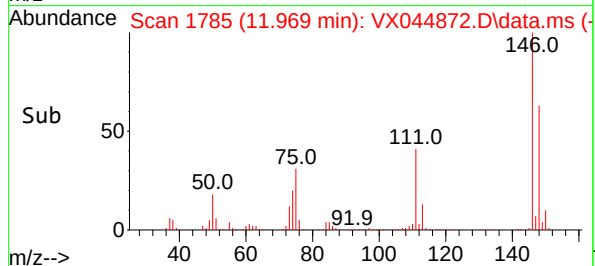
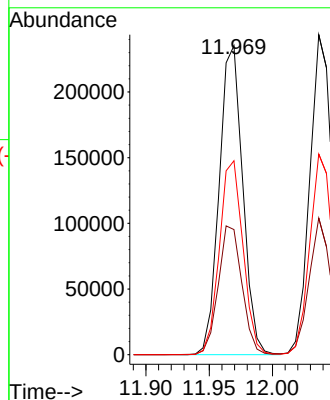
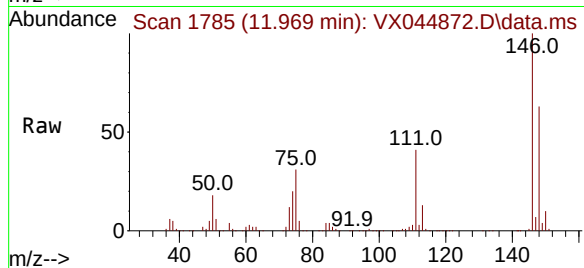
148 63.1 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 97.830 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

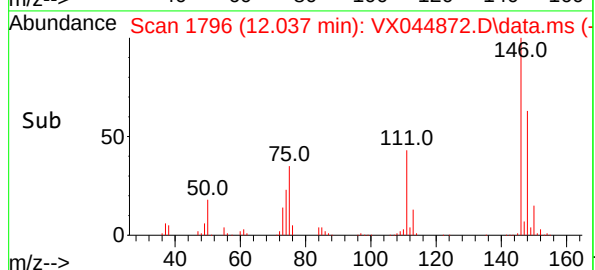
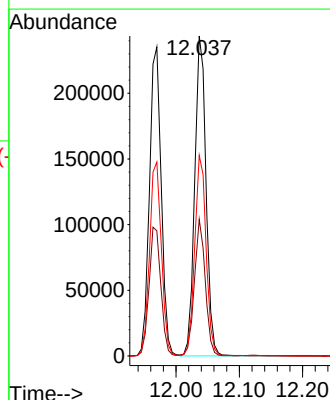
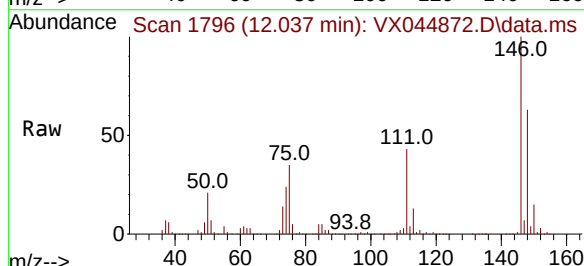
Tgt Ion:146 Resp: 303417

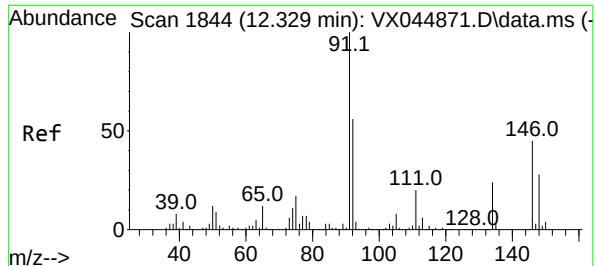
Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

148 63.0 32.0 96.0





#89

n-Butylbenzene

Concen: 109.686 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 583634

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

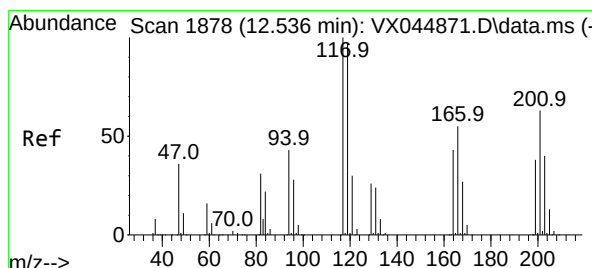
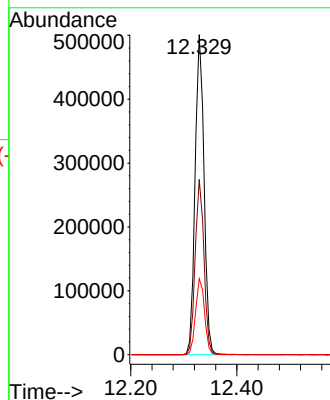
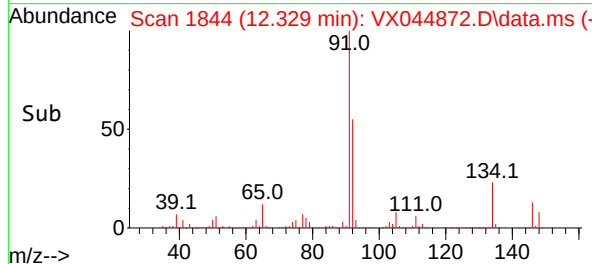
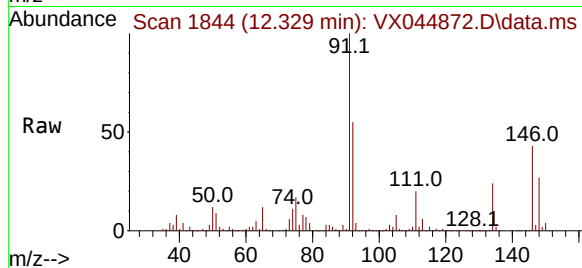
134 24.0 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 104.365 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044872.D

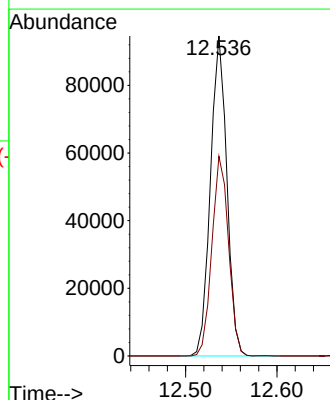
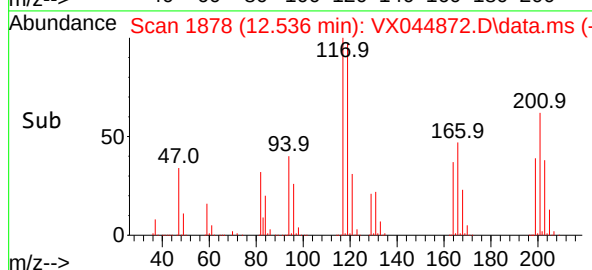
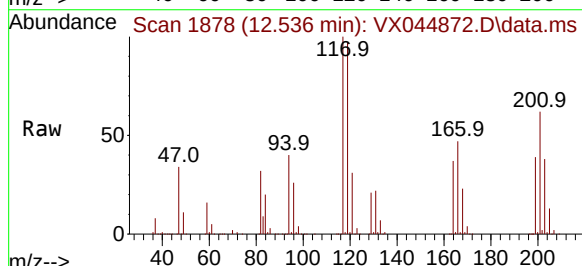
Acq: 10 Feb 2025 12:05

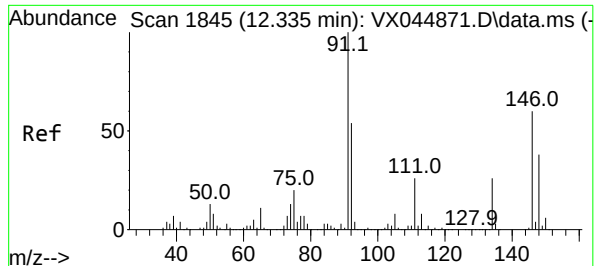
Tgt Ion:117 Resp: 117533

Ion Ratio Lower Upper

117 100

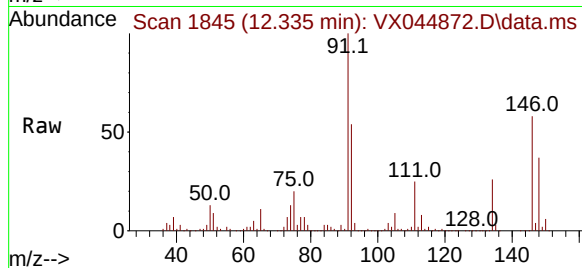
201 63.4 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

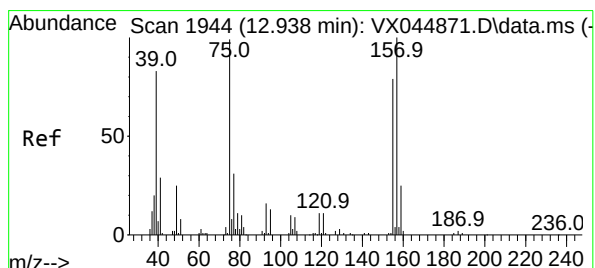
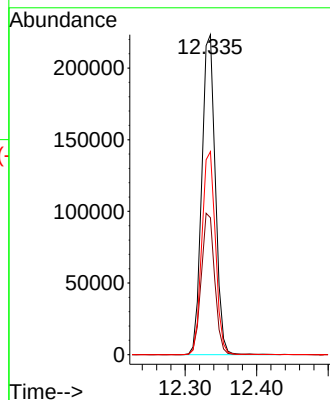
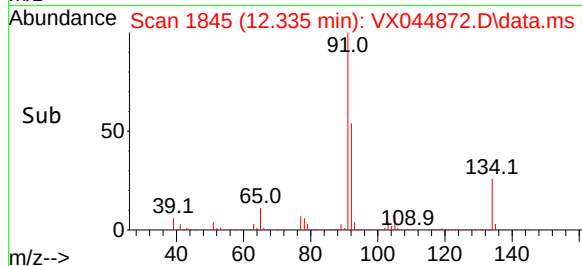
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 29315
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.9 31.9 95.9

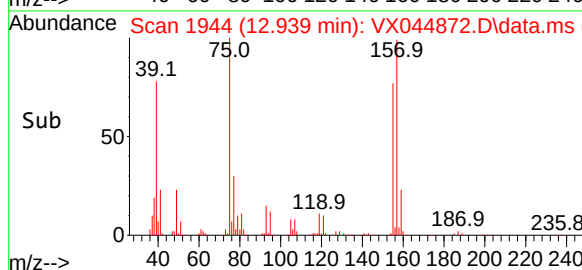
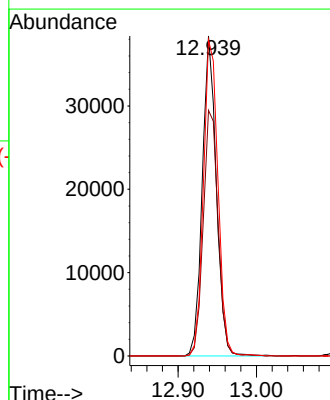
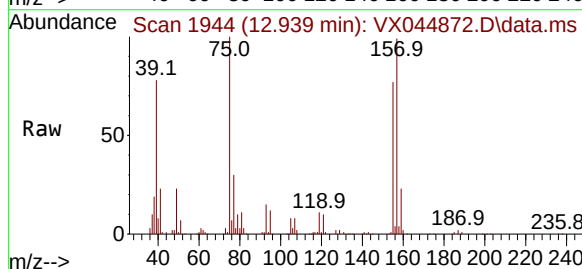
Manual Integrations
APPROVED

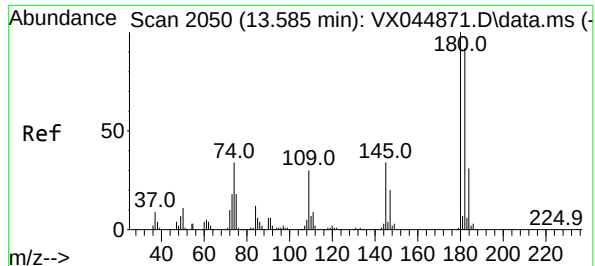
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745
Ion Ratio Lower Upper
75 100
155 81.0 40.5 121.4
157 102.3 51.4 154.3





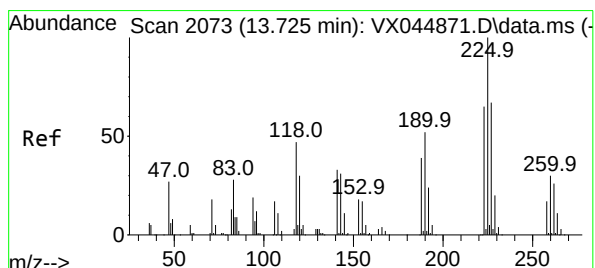
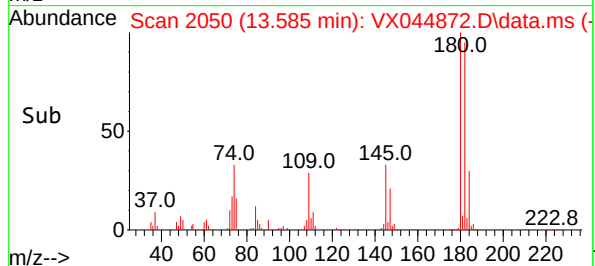
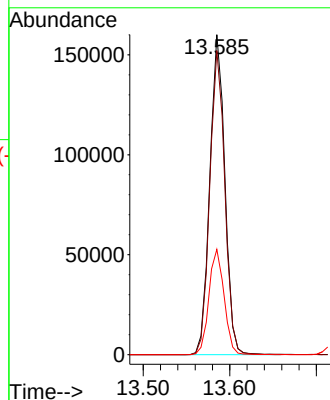
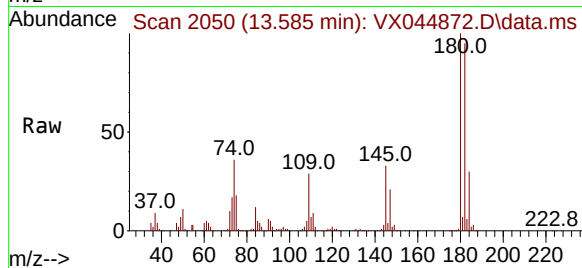
#93
1,2,4-Trichlorobenzene
Concen: 105.921 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 193214
Ion Ratio Lower Upper
180 100
182 94.8 47.6 142.8
145 33.2 16.4 49.1

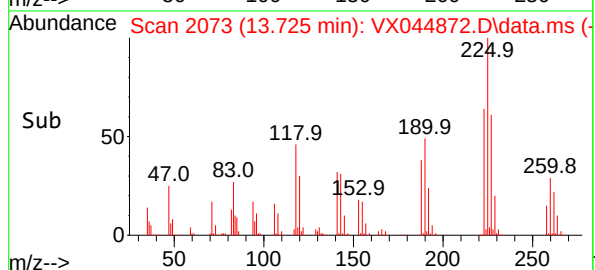
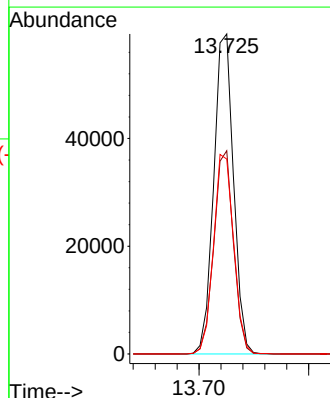
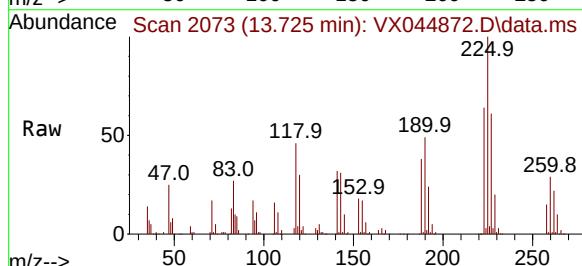
Manual Integrations
APPROVED

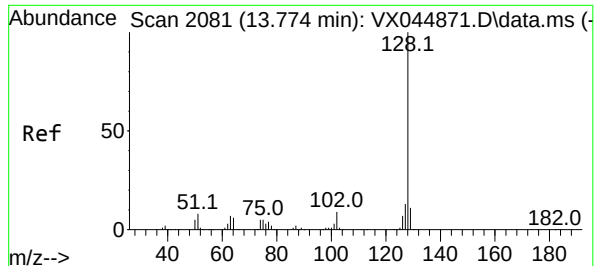
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#94
Hexachlorobutadiene
Concen: 103.024 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

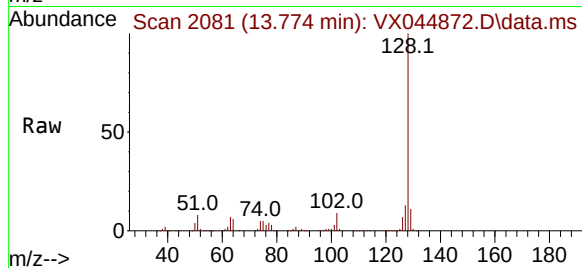
Tgt Ion:225 Resp: 74605
Ion Ratio Lower Upper
225 100
223 62.9 31.4 94.2
227 63.5 32.3 96.8





#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

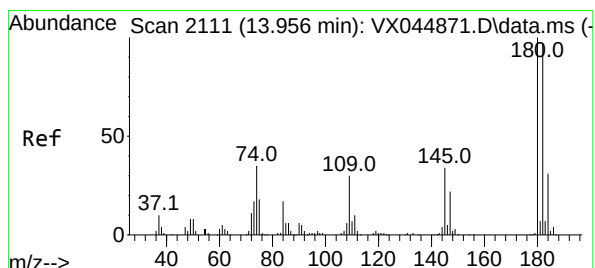
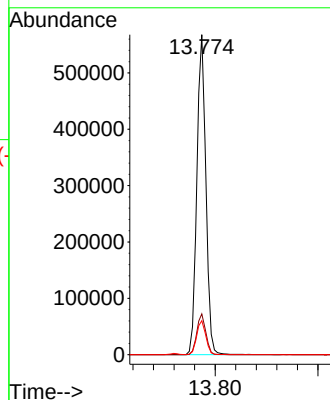
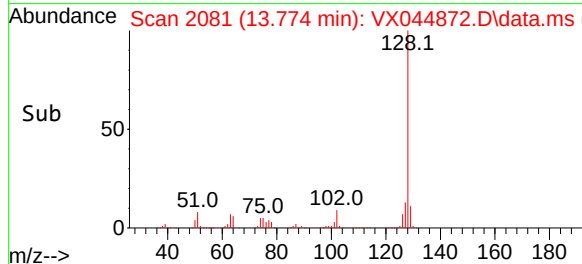
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



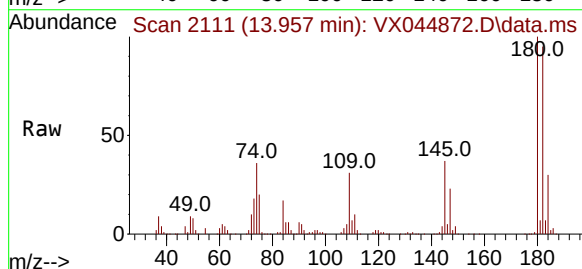
Tgt Ion:128 Resp: 689104
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.7 8.9 13.3

Manual Integrations
APPROVED

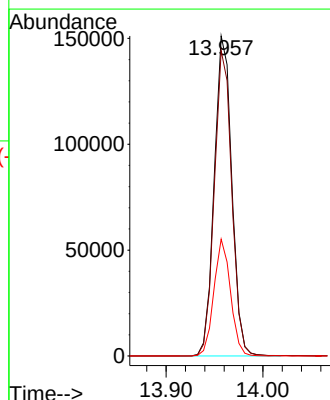
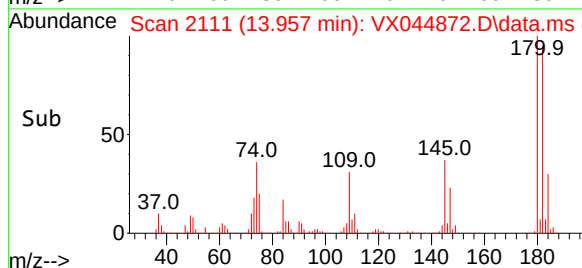
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05



Tgt Ion:180 Resp: 190534
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.6
145 34.6 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 11 02:02:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	125253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 306.360%#	
35) Dibromofluoromethane	5.379	113	229218	151.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 303.140%#	
50) Toluene-d8	8.647	98	845632	147.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 295.760%#	
62) 4-Bromofluorobenzene	11.079	95	287486	149.124	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 298.240%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330	ug/l	96
3) Chloromethane	1.307	50	297968	139.361	ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723	ug/l	99
5) Bromomethane	1.593	94	92399	149.071	ug/l	96
6) Chloroethane	1.660	64	67889	130.289	ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558	ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147	ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887	ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734	ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989	ug/l	99
13) Acrolein	2.239	56	273178	778.418	ug/l	100
14) Allyl chloride	2.654	41	438493	150.289	ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423	ug/l	99
16) Acetone	2.386	43	547939	743.398	ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665	ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347	ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356	ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020	ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993	ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959	ug/l	99
25) 2-Butanone	4.556	43	914741	764.276	ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446	ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458	ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977	ug/l	99
30) Chloroform	5.086	83	453809	151.509	ug/l	99
31) Cyclohexane	5.458	56	423464	148.722	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996	ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585	ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956	ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921	ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130	ug/l	99
40) Benzene	6.031	78	1014129	148.856	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 11 02:02:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l	100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l	99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l	99
44) Trichloroethene	7.117	130	239030	153.496	ug/l	99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l	100
46) Dibromomethane	7.574	93	179689	152.870	ug/l	99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l	98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l	99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l	100
52) Toluene	8.714	92	603113	148.645	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l	98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l	99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l	100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l	99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l	99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l	99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l	96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l	99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l	100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l	98
69) o-Xylene	10.640	106	401928	145.674	ug/l	99
70) Styrene	10.653	104	671843	151.140	ug/l	98
71) Bromoform	10.799	173	169481	167.033	ug/l #	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l	99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	284934m	151.485	ug/l	
77) Bromobenzene	11.195	156	234957	151.715	ug/l	99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l	99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l	98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l	99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l	99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l	100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l	100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l	100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l	98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l	97
95) Naphthalene	13.774	128	1015801	165.916	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

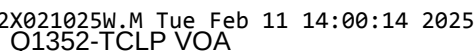
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

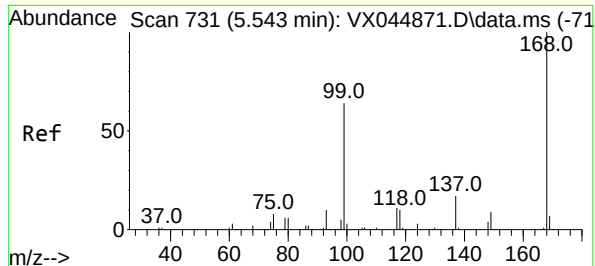
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





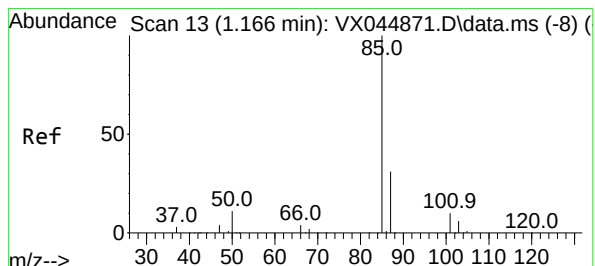
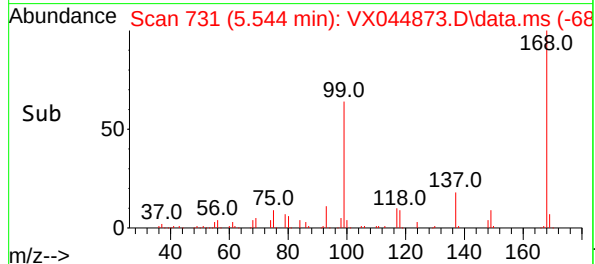
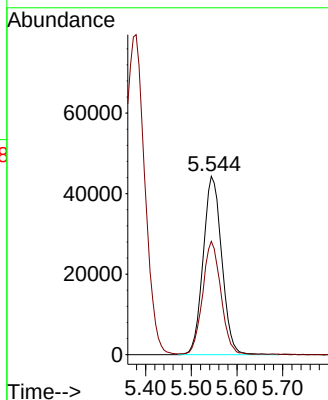
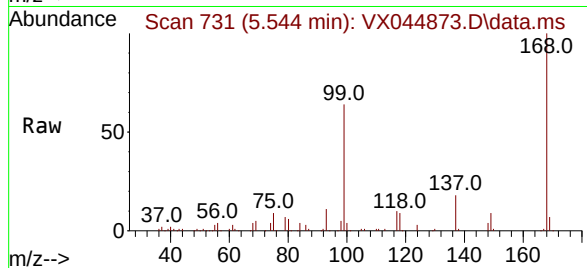
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 12525
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8

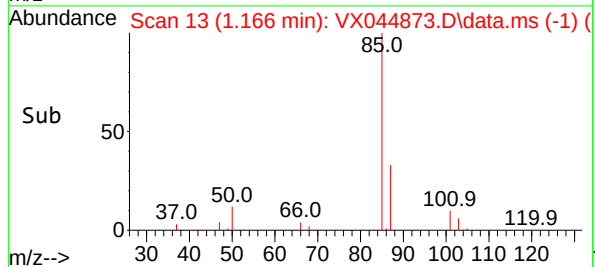
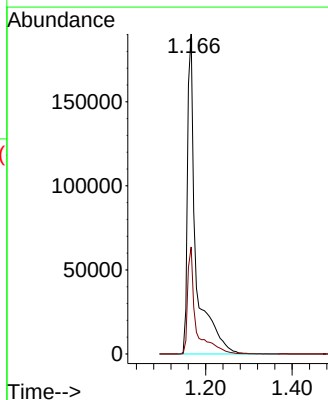
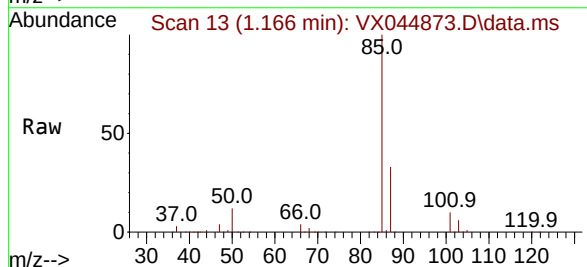
Manual Integrations
APPROVED

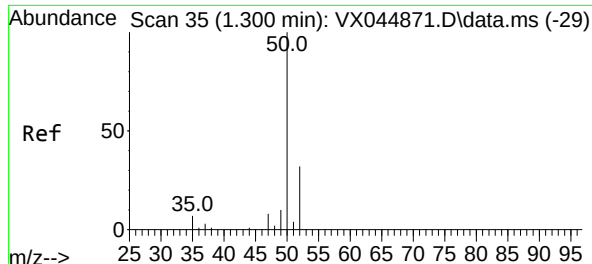
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 148.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 85 Resp: 260576
Ion Ratio Lower Upper
85 100
87 33.4 15.8 47.3





#3

Chloromethane

Concen: 139.361 ug/l

RT: 1.307 min Scan# 30

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 297968

Ion Ratio Lower Upper

50 100

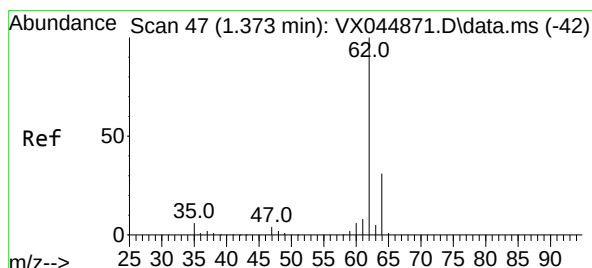
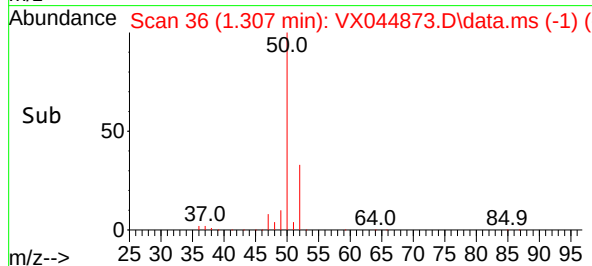
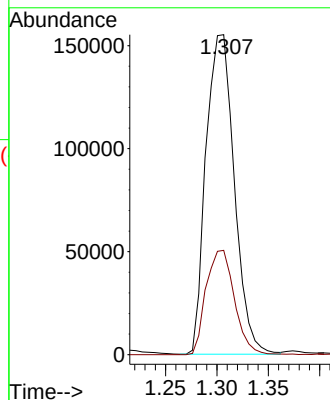
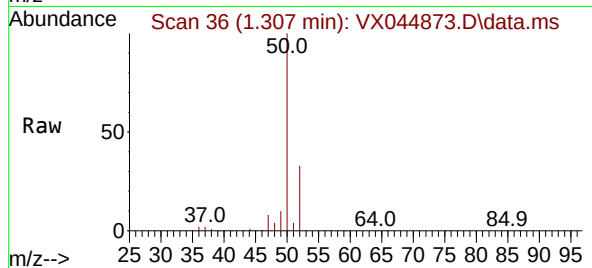
52 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#4

Vinyl Chloride

Concen: 147.723 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044873.D

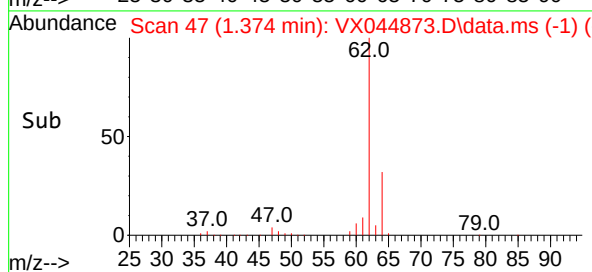
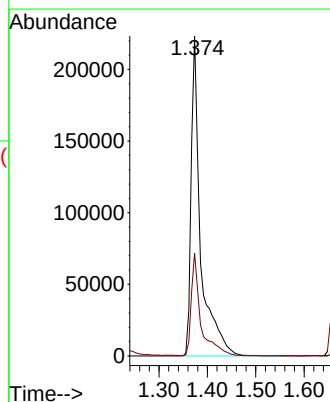
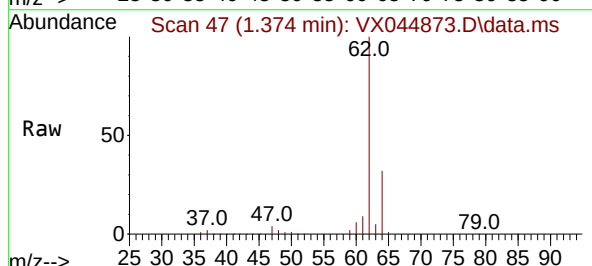
Acq: 10 Feb 2025 12:28

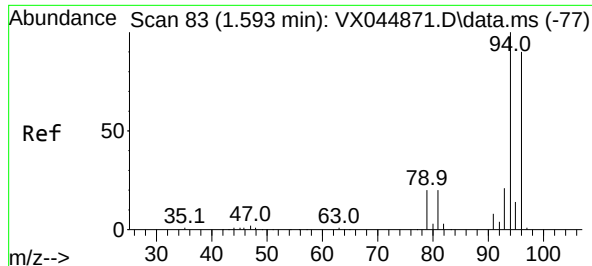
Tgt Ion: 62 Resp: 305986

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





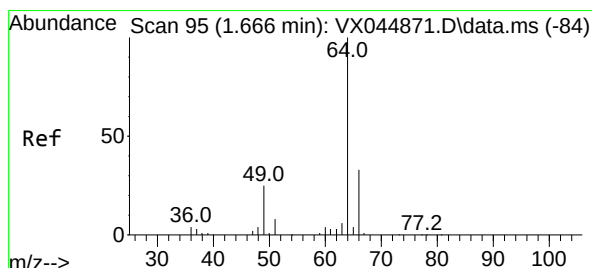
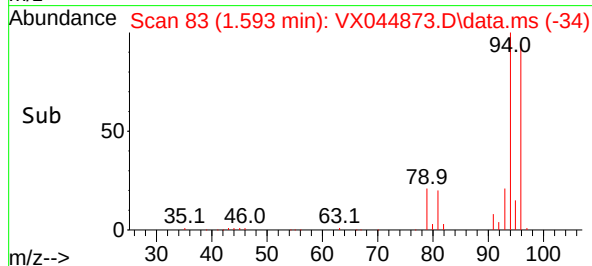
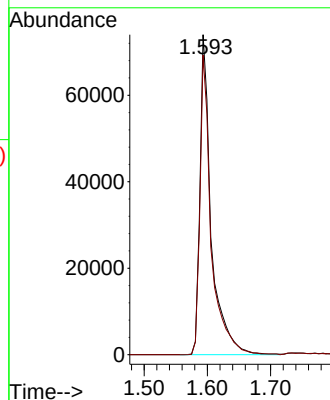
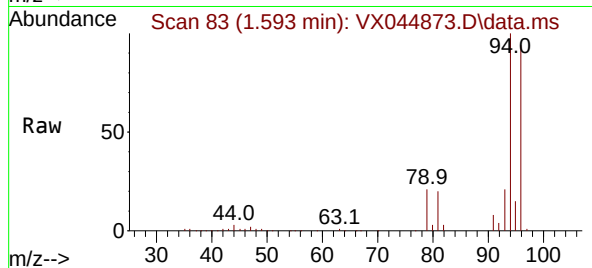
#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 92399
Ion Ratio Lower Upper
94 100
96 93.6 71.6 107.4

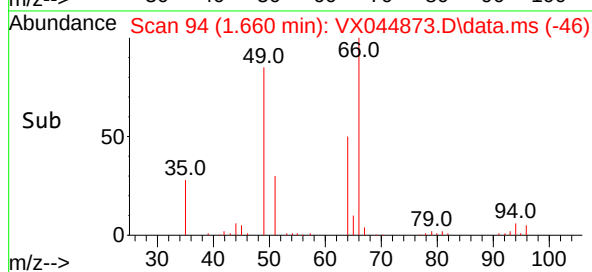
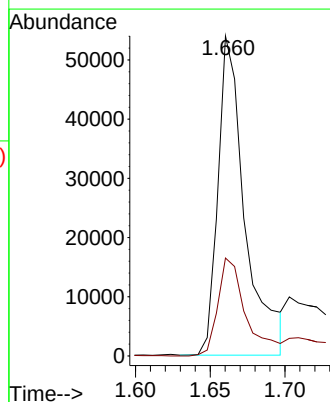
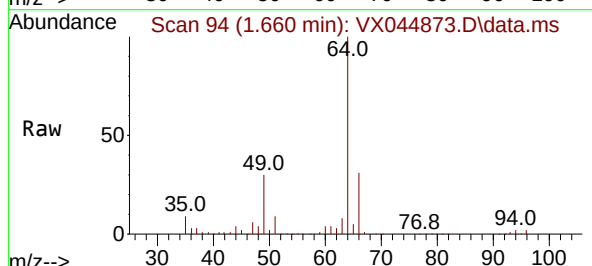
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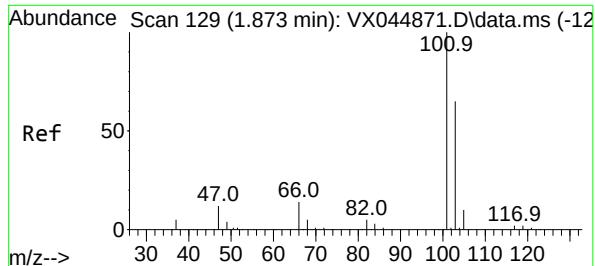
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889
Ion Ratio Lower Upper
64 100
66 30.7 25.9 38.9





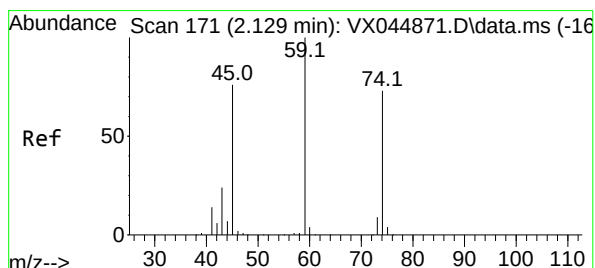
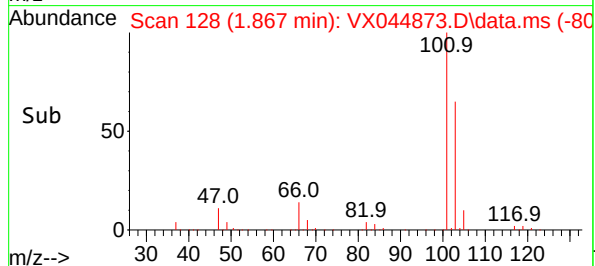
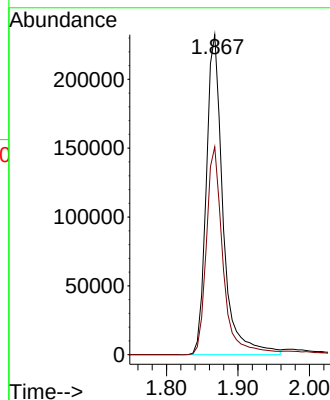
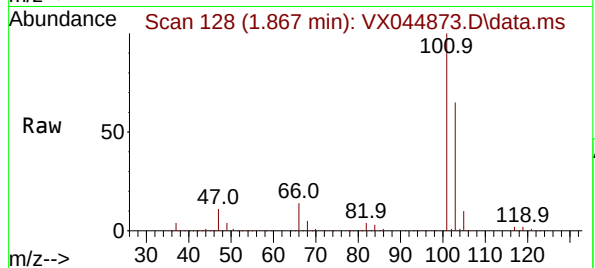
#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 378664
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6

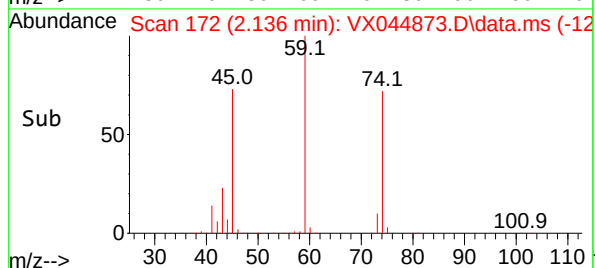
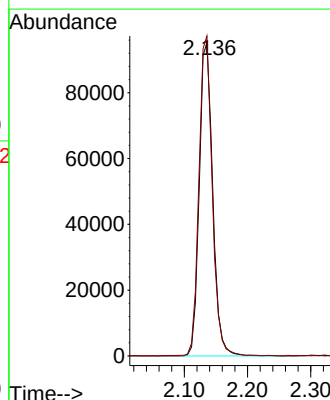
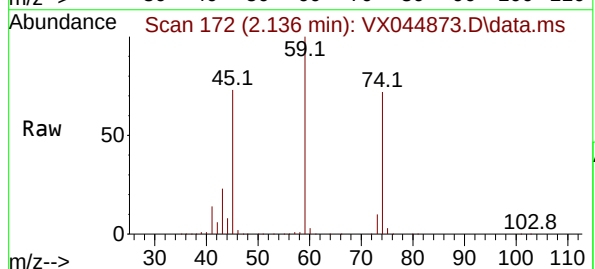
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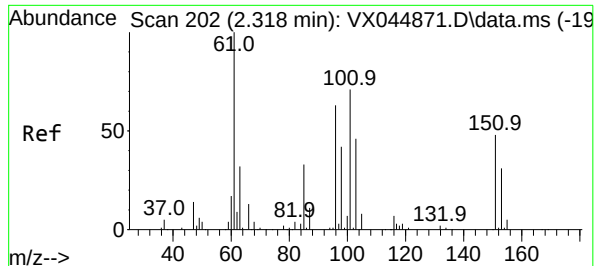
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428
Ion Ratio Lower Upper
74 100
45 102.1 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.147 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

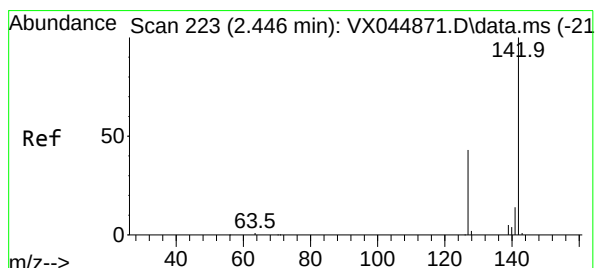
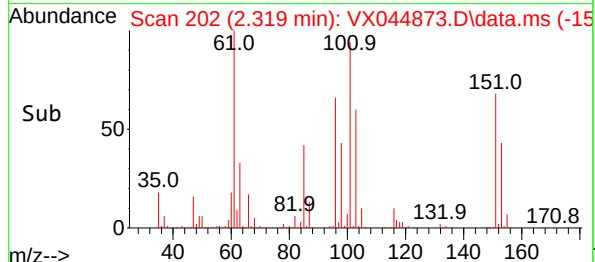
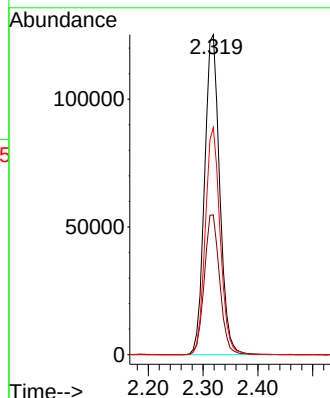
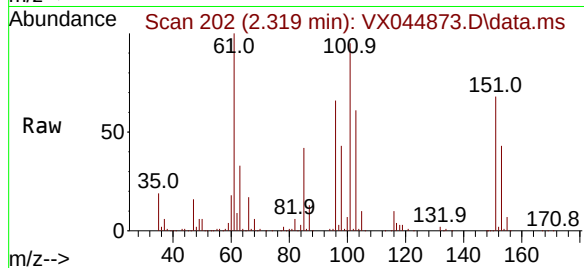
Tgt Ion:101 Resp: 239215
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 70.2 56.0 84.0

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 148.887 ug/l

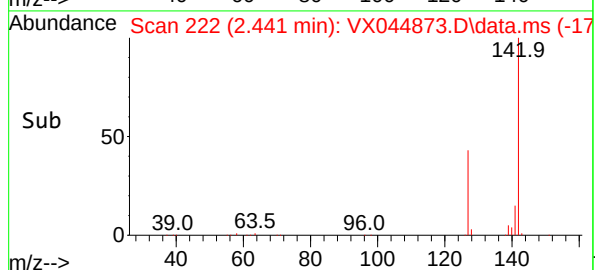
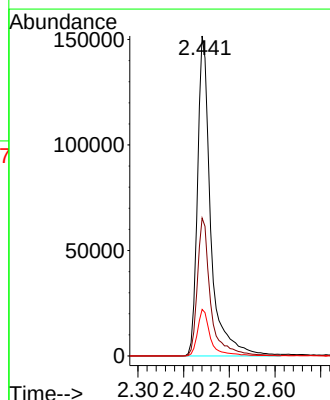
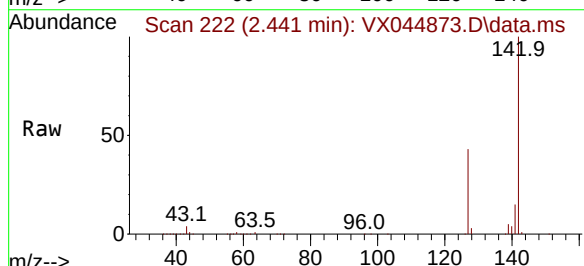
RT: 2.441 min Scan# 222

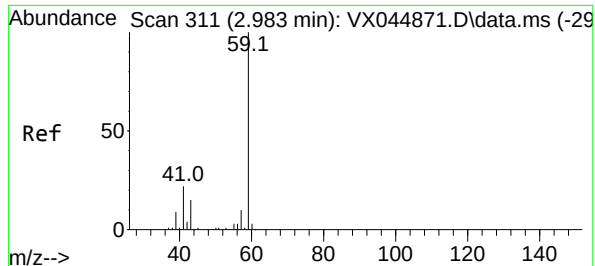
Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390
Ion Ratio Lower Upper
142 100
127 43.1 34.3 51.5
141 14.4 11.4 17.2





#11

Tert butyl alcohol

Concen: 712.734 ug/l

RT: 3.020 min Scan# 311

Delta R.T. 0.037 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 242430

Ion Ratio Lower Upper

59 100

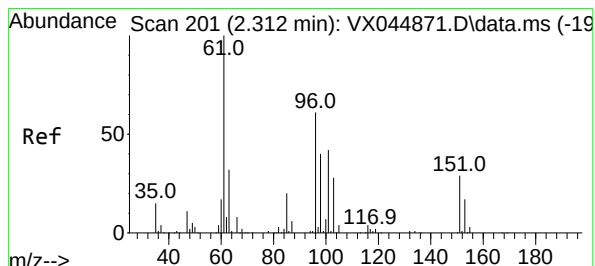
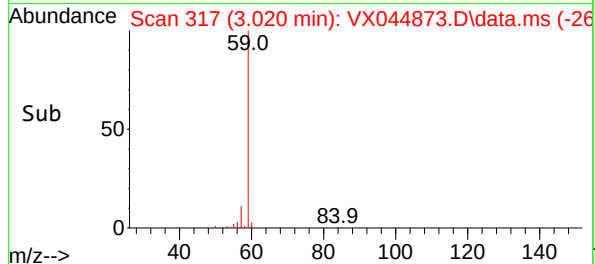
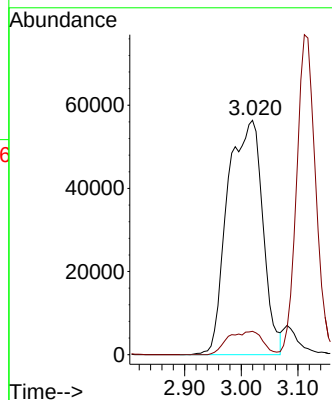
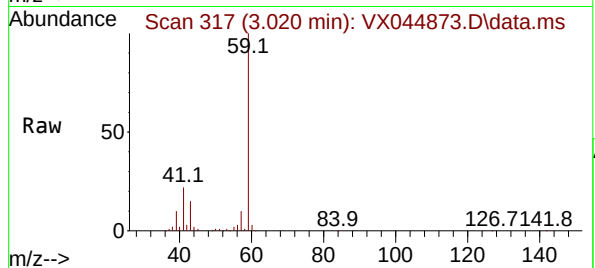
57 9.9 8.1 12.1

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 152.989 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

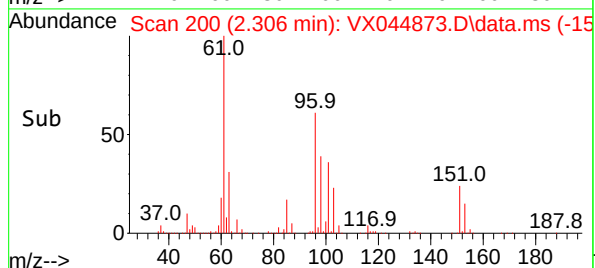
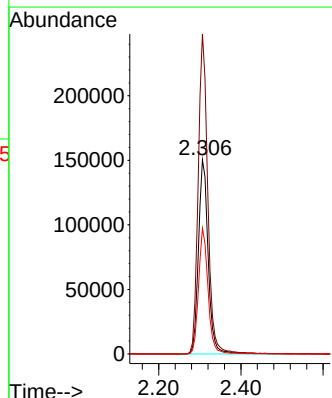
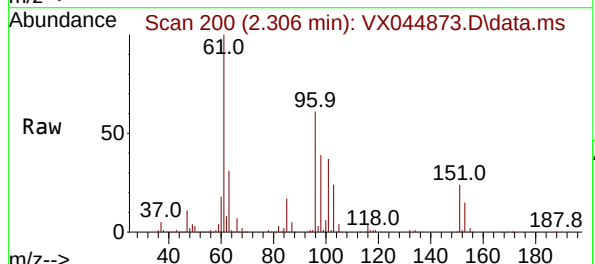
Tgt Ion: 96 Resp: 246987

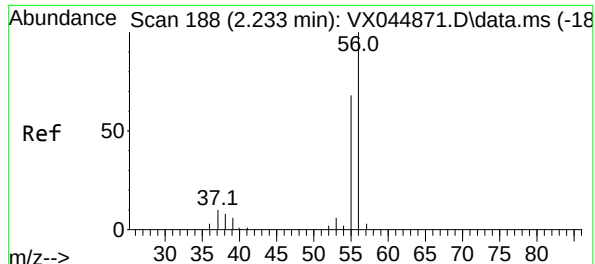
Ion Ratio Lower Upper

96 100

61 164.9 130.2 195.4

98 64.8 52.2 78.4





#13

Acrolein

Concen: 778.418 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 273178

Ion Ratio Lower Upper

56 100

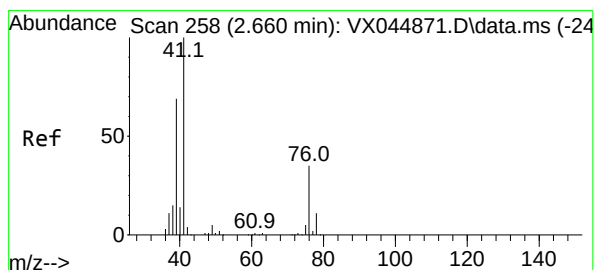
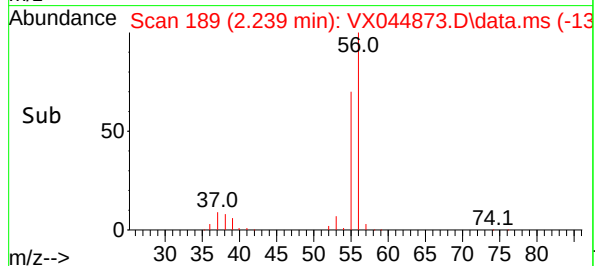
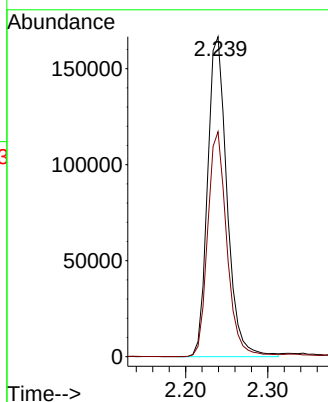
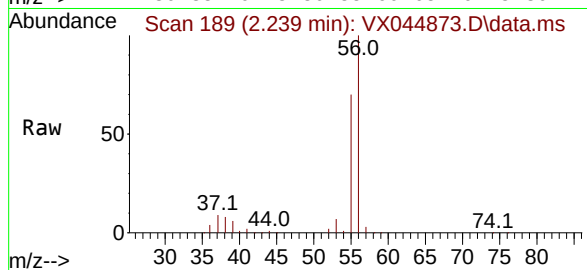
55 69.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 150.289 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

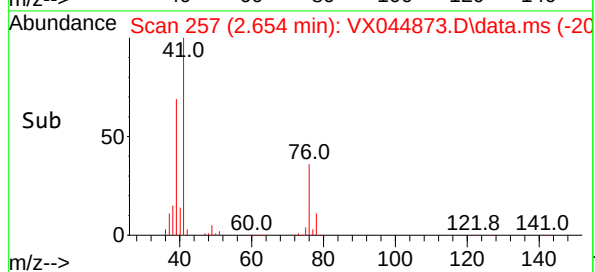
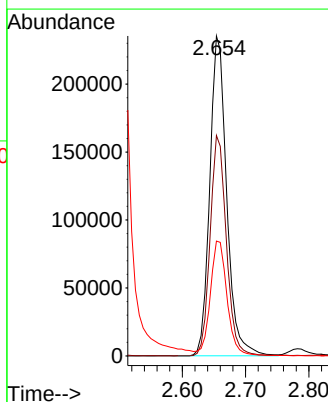
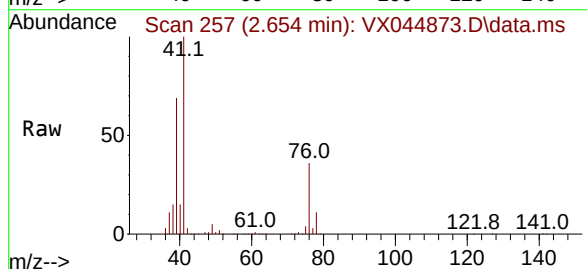
Tgt Ion: 41 Resp: 438493

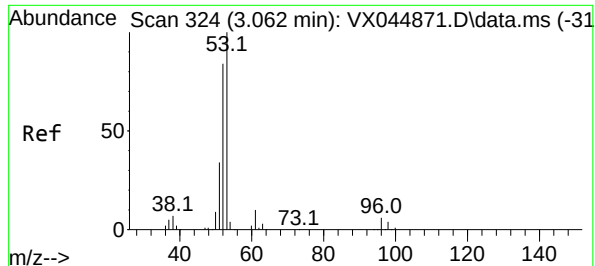
Ion Ratio Lower Upper

41 100

39 66.1 51.4 77.2

76 35.7 27.0 40.4





#15

Acrylonitrile

Concen: 753.423 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

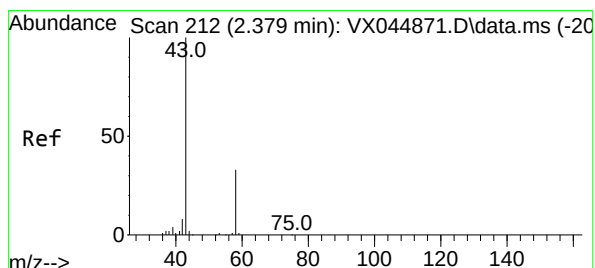
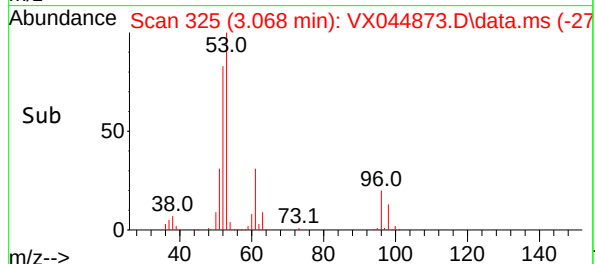
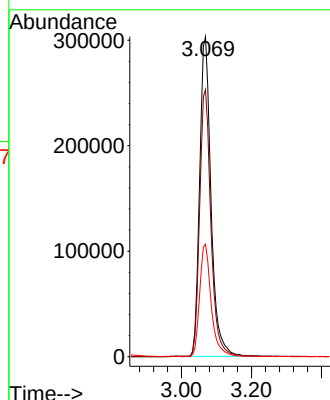
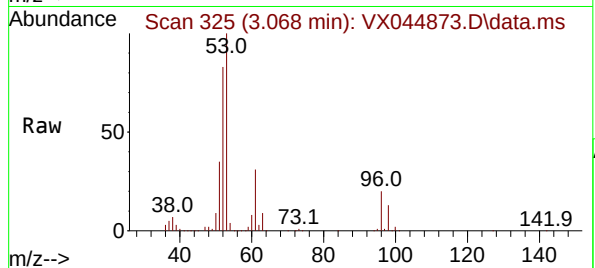
VSTDIC150

Tgt Ion:	53	Resp:	684234
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.0	97.6
51	35.2	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 743.398 ug/l

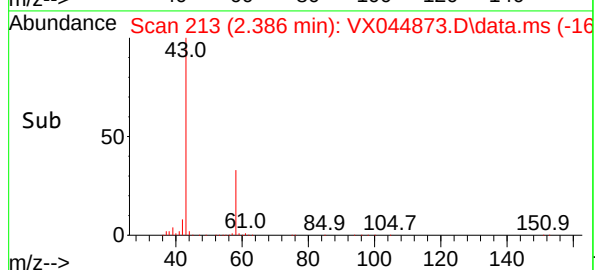
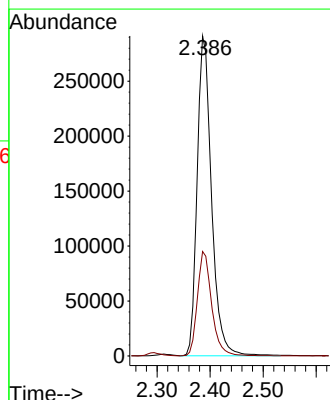
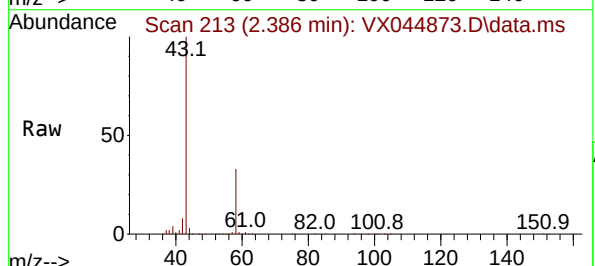
RT: 2.386 min Scan# 213

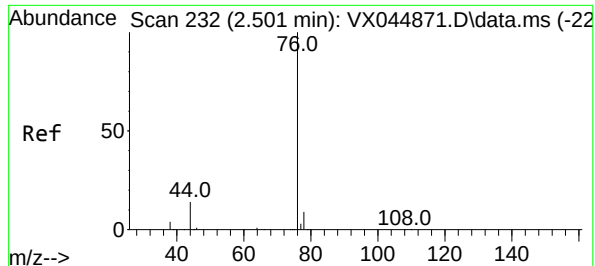
Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion:	43	Resp:	547939
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7





#17

Carbon Disulfide

Concen: 156.665 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 693558

Ion Ratio Lower Upper

76 100

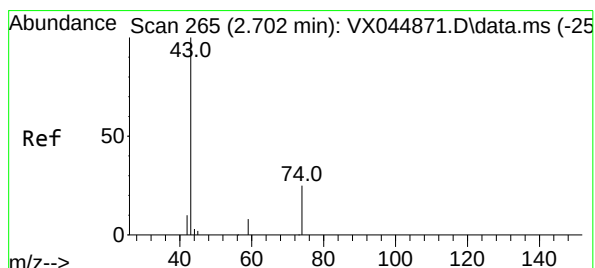
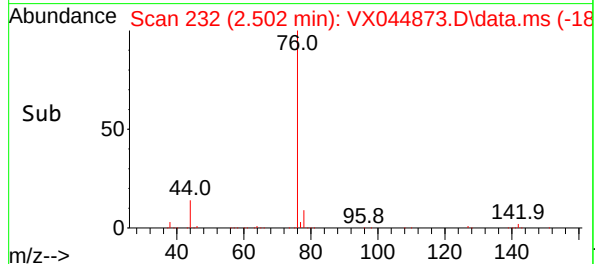
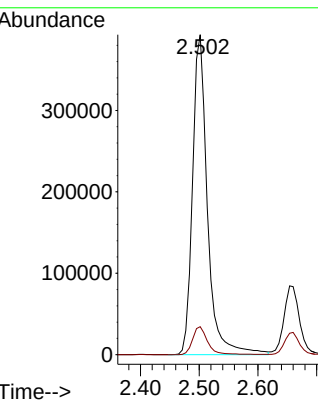
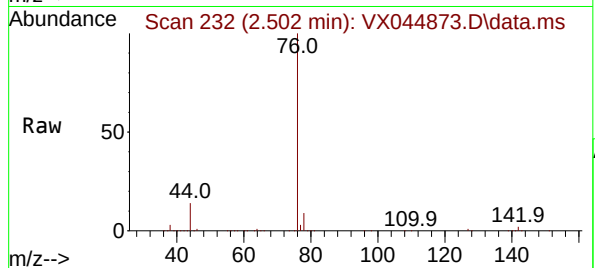
78 8.8 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 160.743 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044873.D

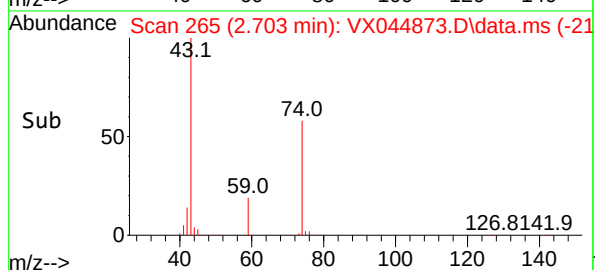
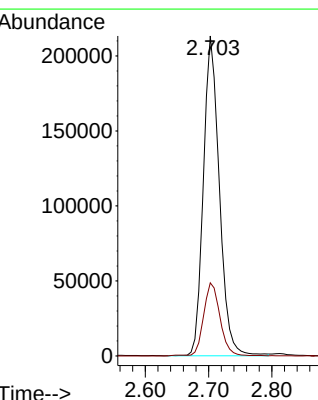
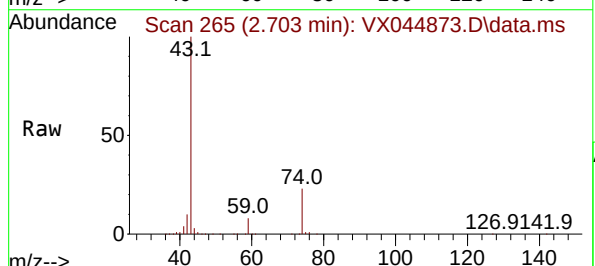
Acq: 10 Feb 2025 12:28

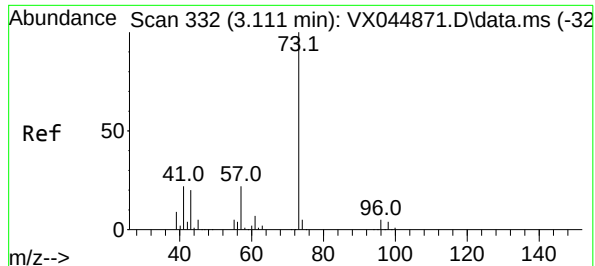
Tgt Ion: 43 Resp: 373877

Ion Ratio Lower Upper

43 100

74 23.7 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 154.347 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 792810

Ion Ratio Lower Upper

73 100

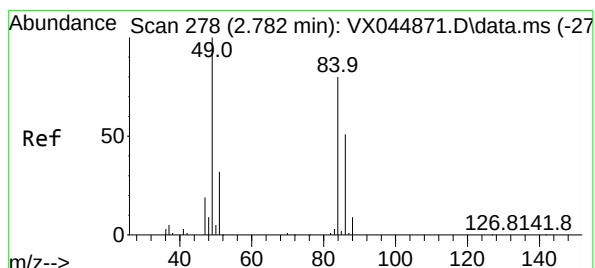
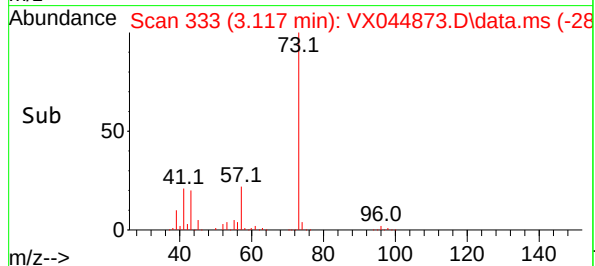
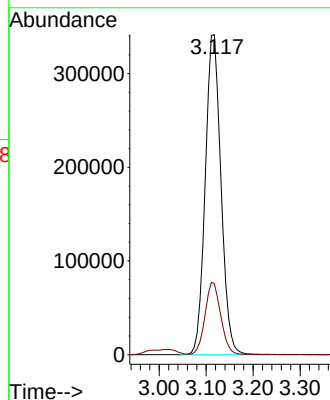
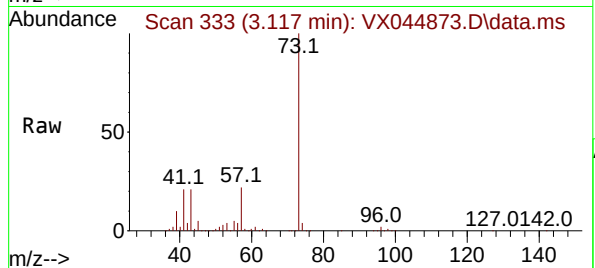
57 22.3 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 149.871 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575

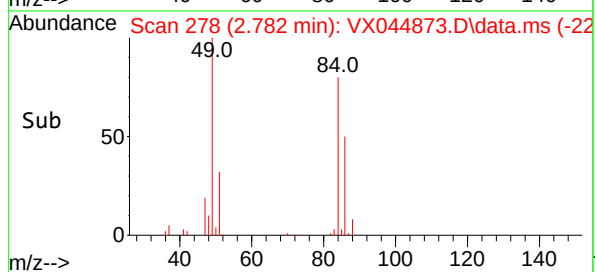
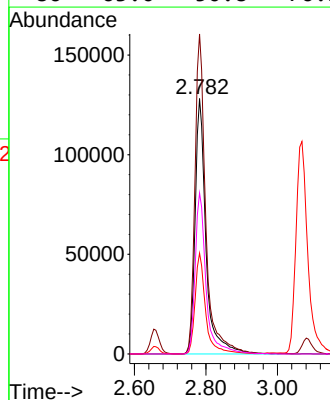
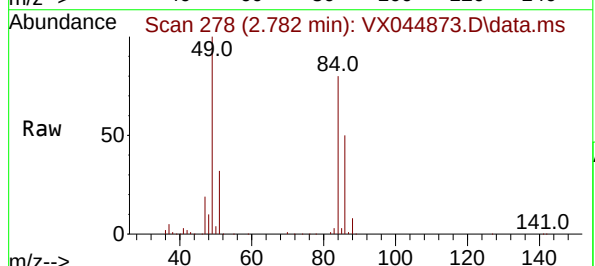
Ion Ratio Lower Upper

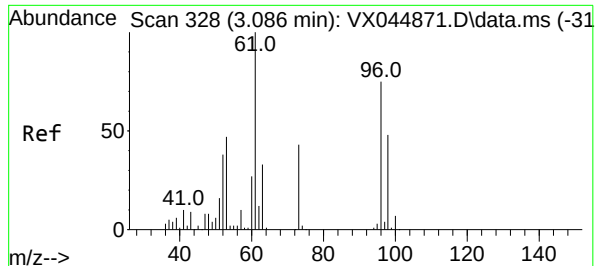
84 100

49 125.2 100.1 150.1

51 39.5 31.7 47.5

86 63.0 50.8 76.2





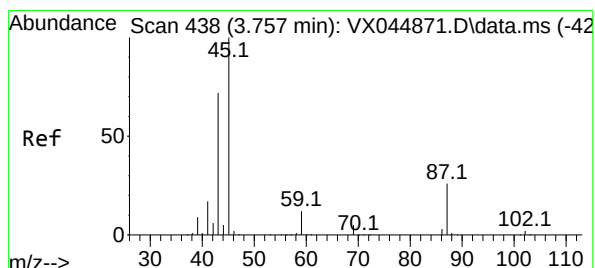
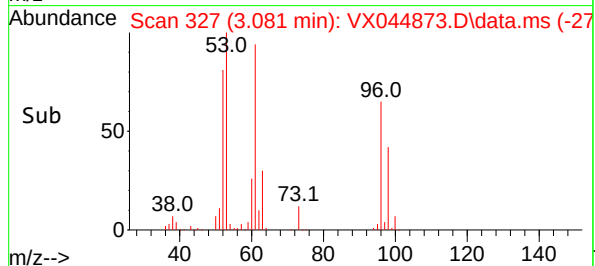
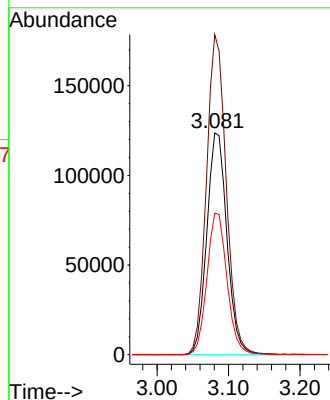
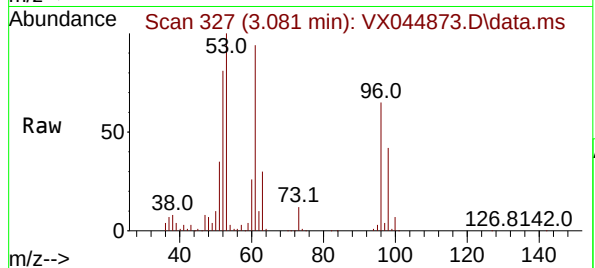
#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 24208
Ion Ratio Lower Upper
96 100
61 144.2 106.0 159.0
98 63.9 50.6 76.0

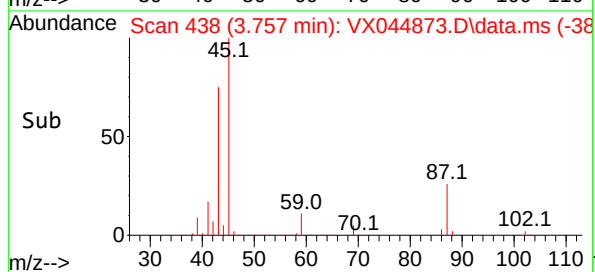
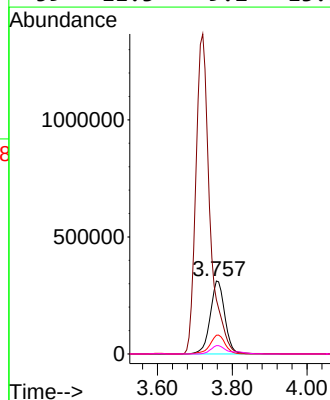
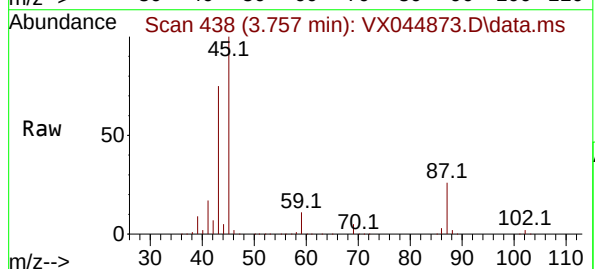
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APPROVED

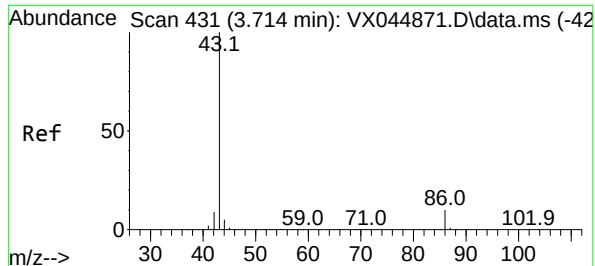
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126
Ion Ratio Lower Upper
45 100
43 74.6 58.0 87.0
87 25.8 20.7 31.1
59 11.3 9.2 13.8





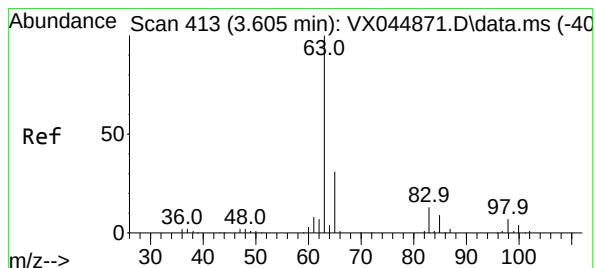
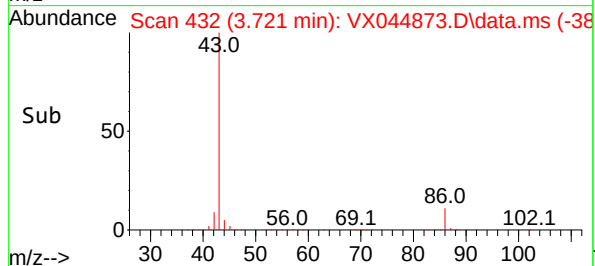
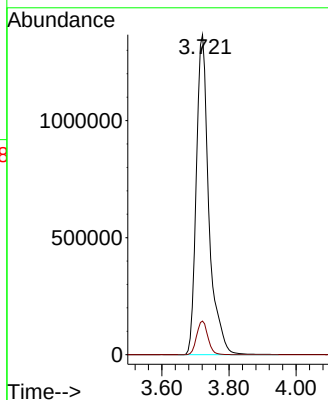
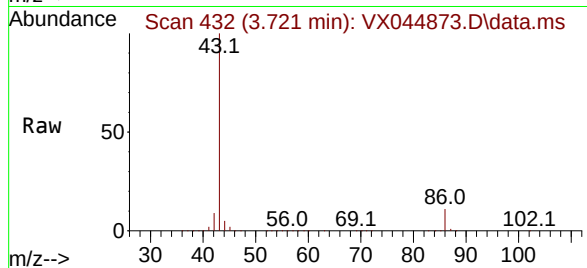
#23
Vinyl Acetate
Concen: 789.993 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 355503
Ion Ratio Lower Upper
43 100
86 10.5 8.3 12.5

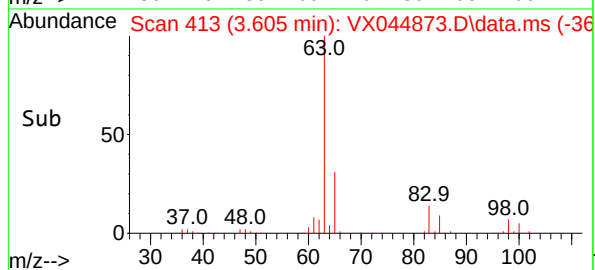
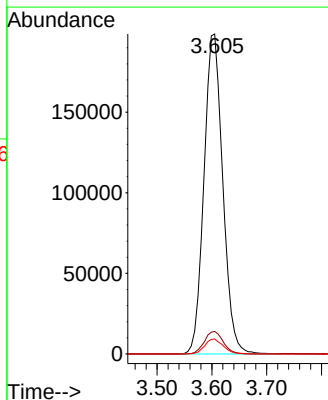
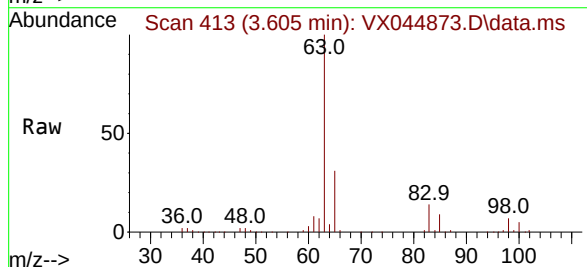
Manual Integrations
APPROVED

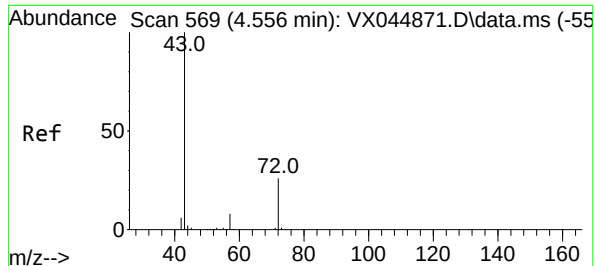
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#24
1,1-Dichloroethane
Concen: 152.959 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424
Ion Ratio Lower Upper
63 100
98 7.1 3.3 9.9
100 4.6 2.1 6.5





#25

2-Butanone

Concen: 764.276 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 91474

Ion Ratio Lower Upper

43 100

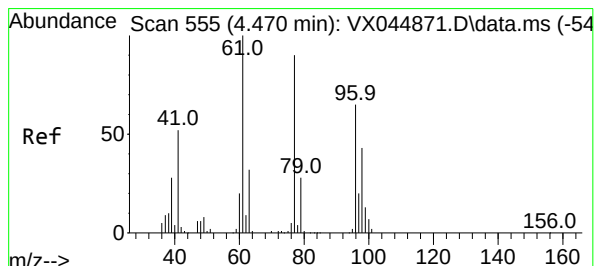
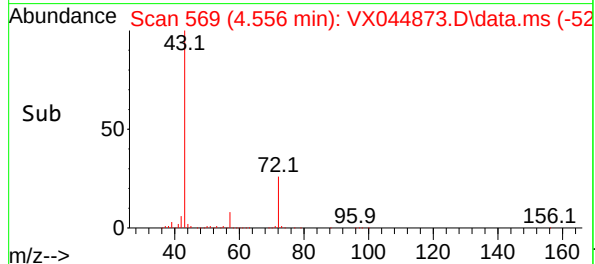
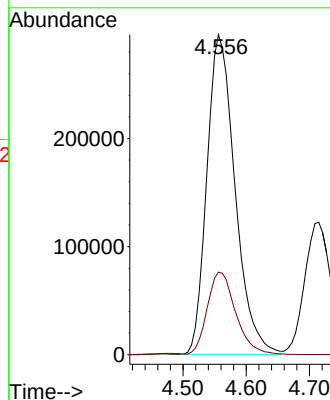
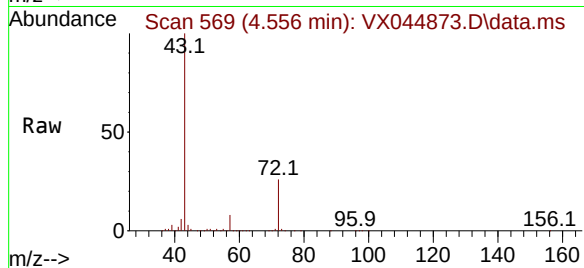
72 25.6 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 156.029 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044873.D

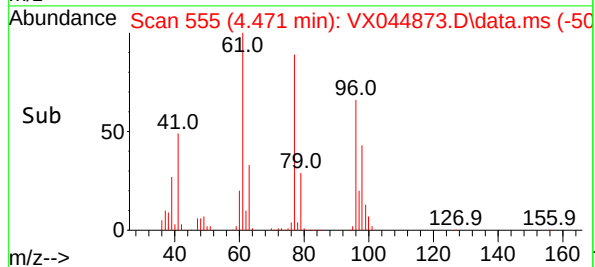
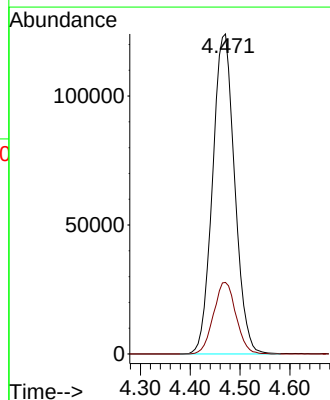
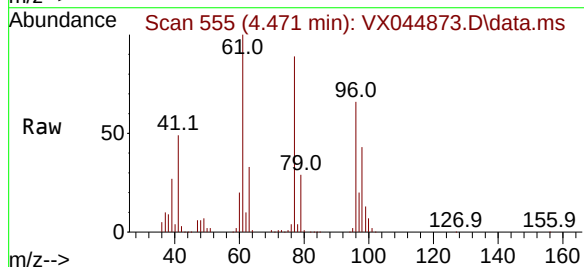
Acq: 10 Feb 2025 12:28

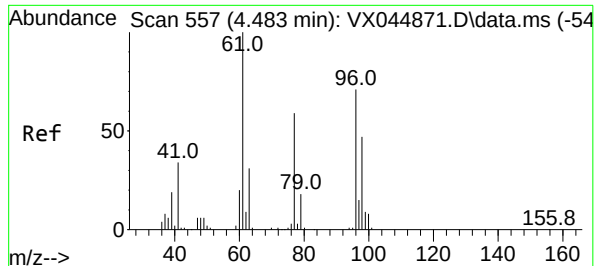
Tgt Ion: 77 Resp: 382167

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 153.446 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 292864

Ion Ratio Lower Upper

96 100

61 148.1 0.0 294.0

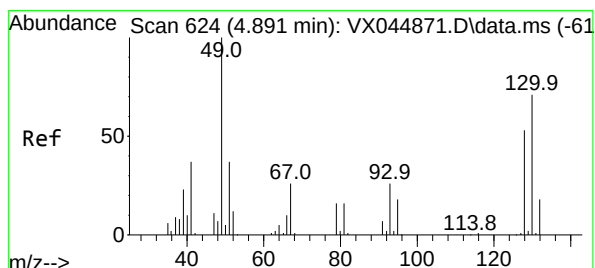
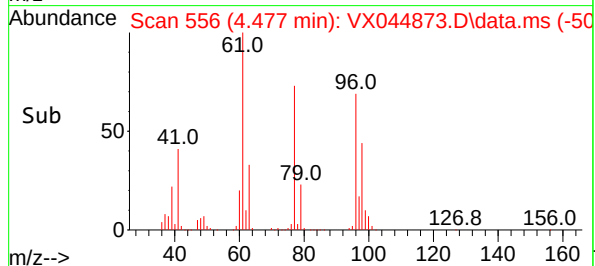
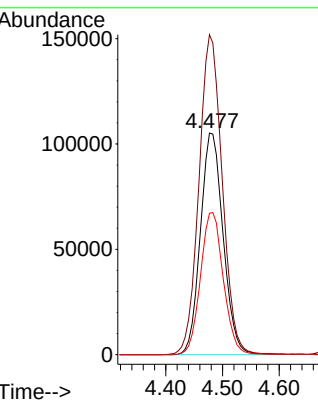
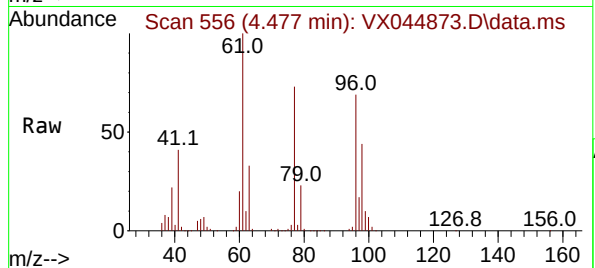
98 64.6 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 146.458 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

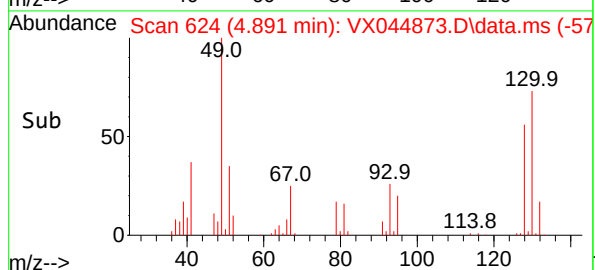
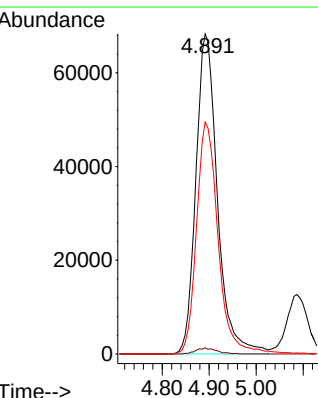
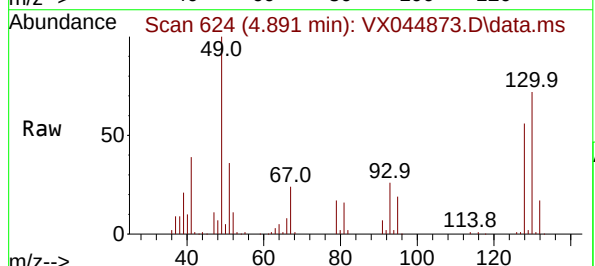
Tgt Ion: 49 Resp: 217387

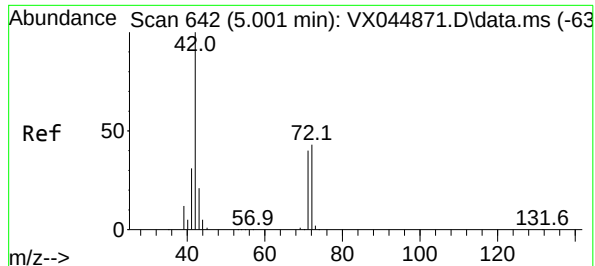
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 72.6 56.7 85.1





#29

Tetrahydrofuran

Concen: 749.977 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 42 Resp: 596049

Ion Ratio Lower Upper

42 100

72 44.5 35.0 52.4

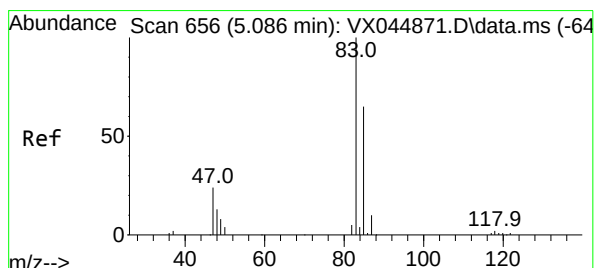
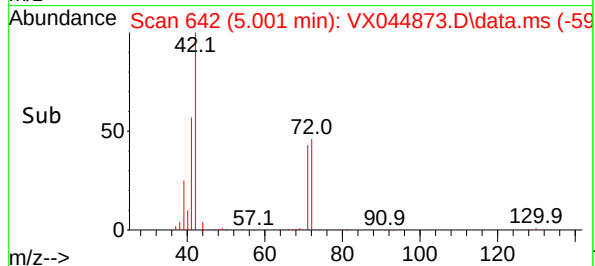
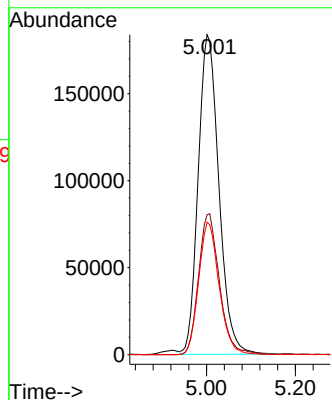
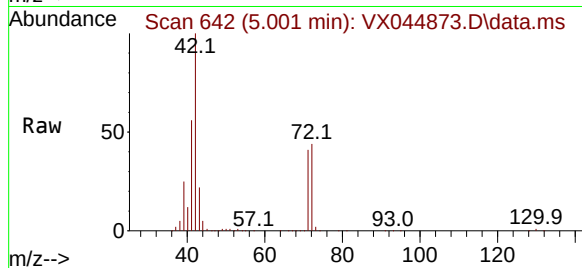
71 41.0 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 151.509 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044873.D

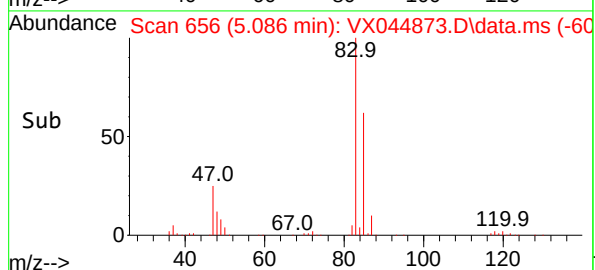
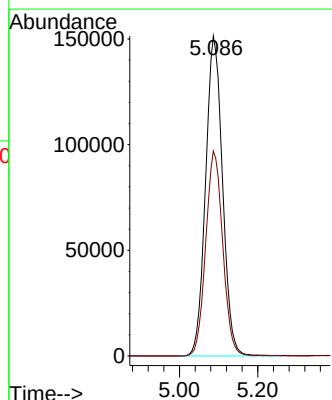
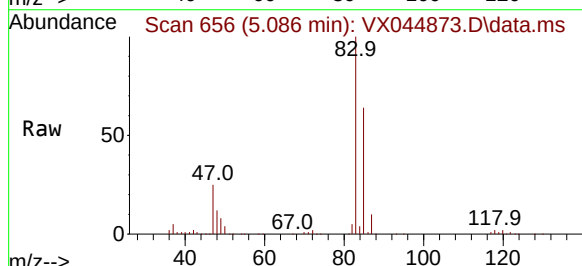
Acq: 10 Feb 2025 12:28

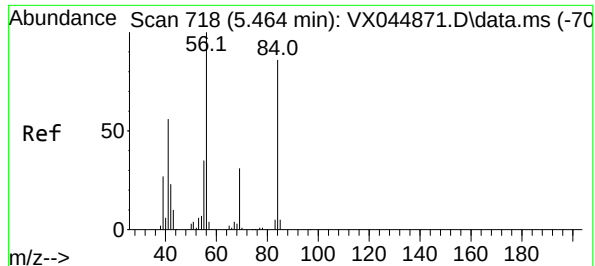
Tgt Ion: 83 Resp: 453809

Ion Ratio Lower Upper

83 100

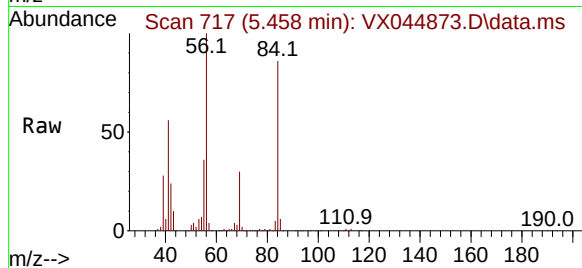
85 64.1 52.1 78.1





#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

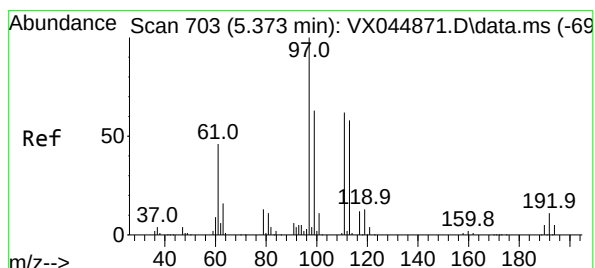
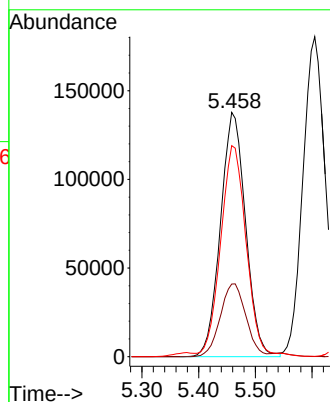
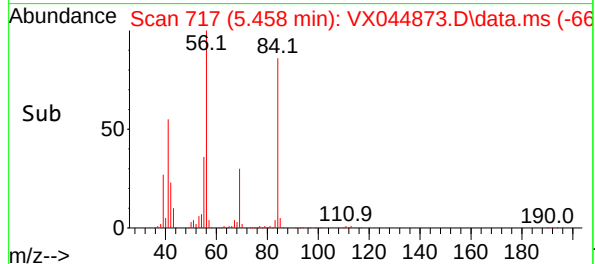
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 56 Resp: 423464
Ion Ratio Lower Upper
56 100
69 29.7 24.4 36.6
84 85.0 69.0 103.6

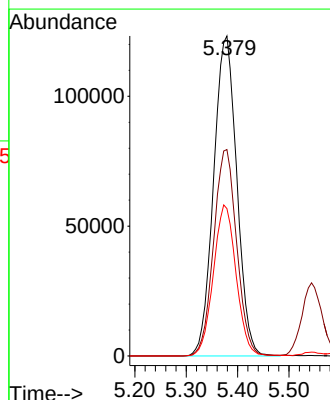
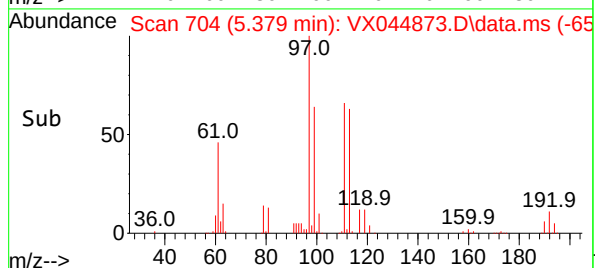
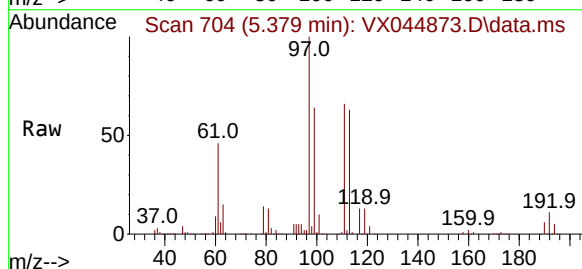
Manual Integrations
APPROVED

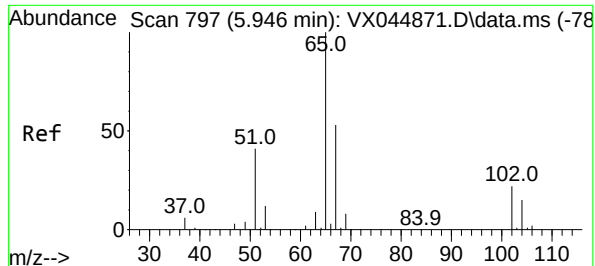
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 46.4 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 153.180 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 28085

Ion Ratio Lower Upper

65 100

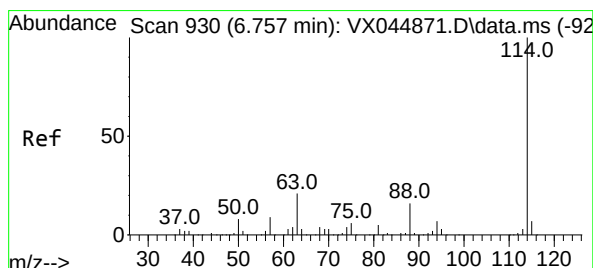
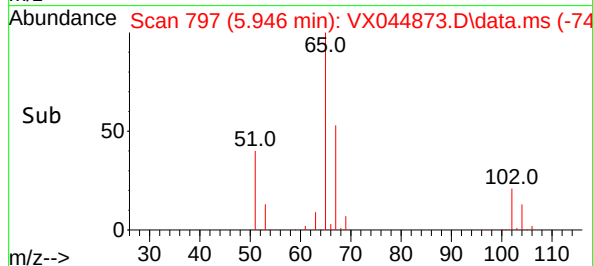
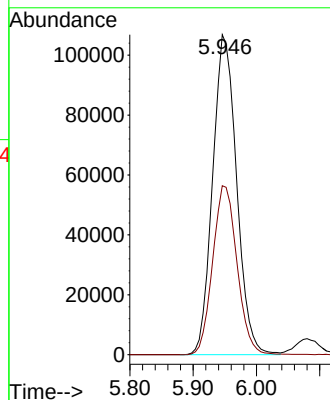
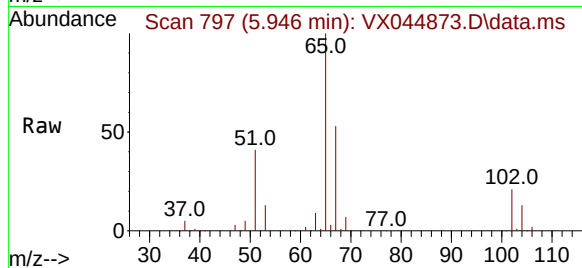
67 53.7 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

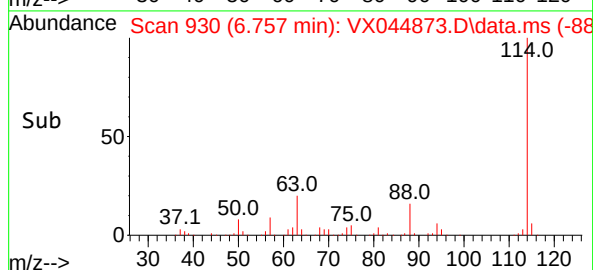
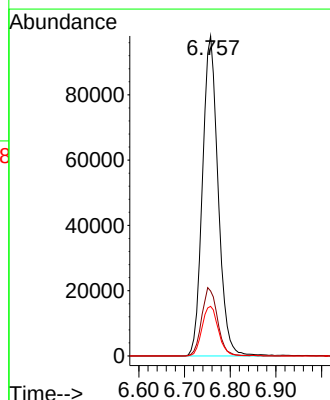
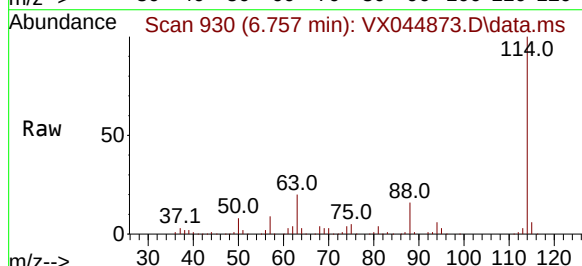
Tgt Ion:114 Resp: 232597

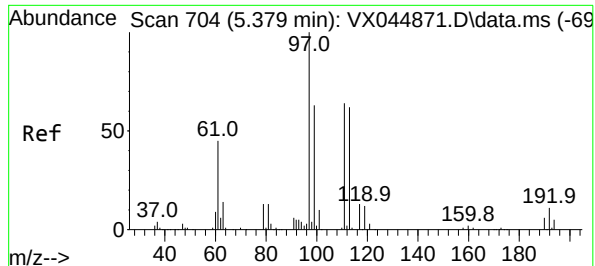
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 151.572 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 229218

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

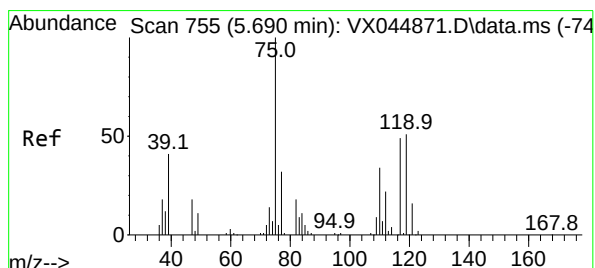
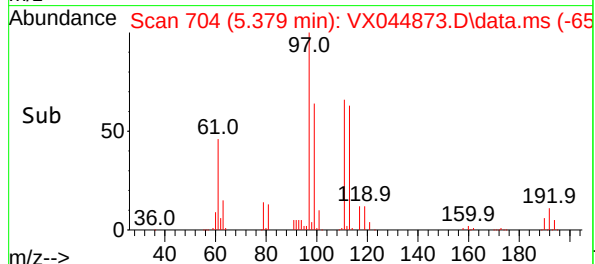
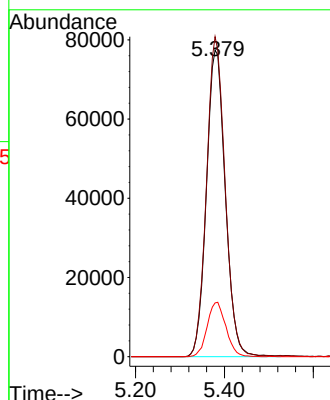
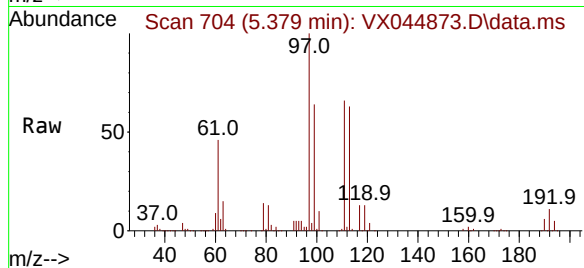
192 17.6 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 148.585 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

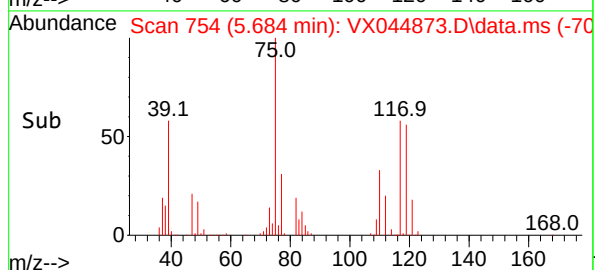
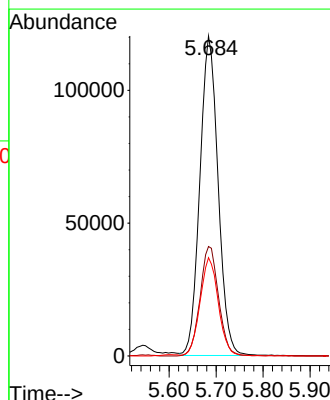
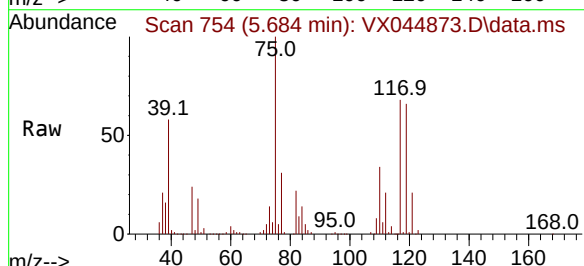
Tgt Ion: 75 Resp: 324182

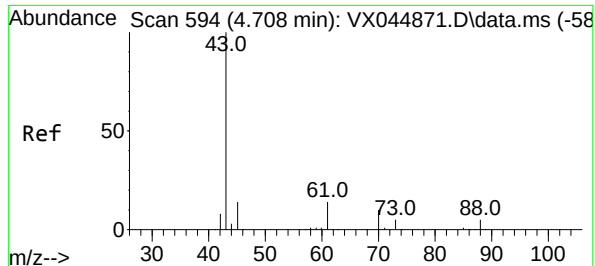
Ion Ratio Lower Upper

75 100

110 34.8 17.2 51.6

77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 151.956 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 36876

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

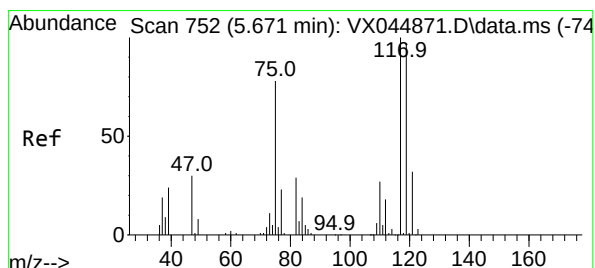
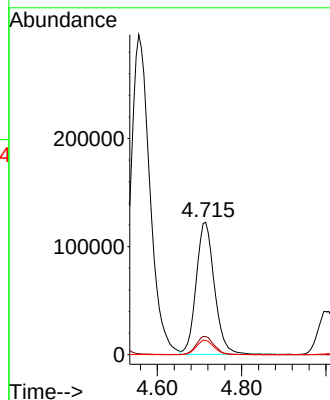
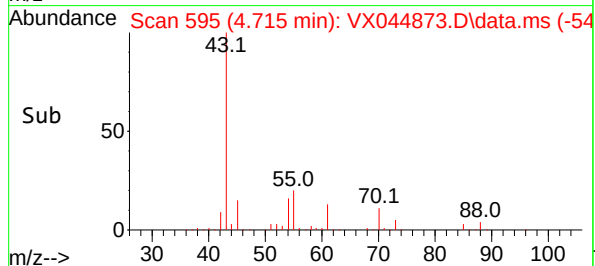
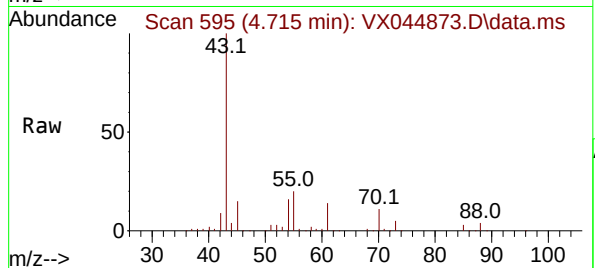
70 10.6 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 149.921 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

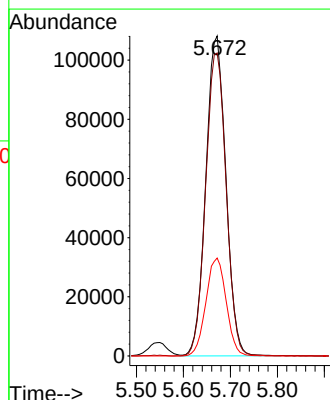
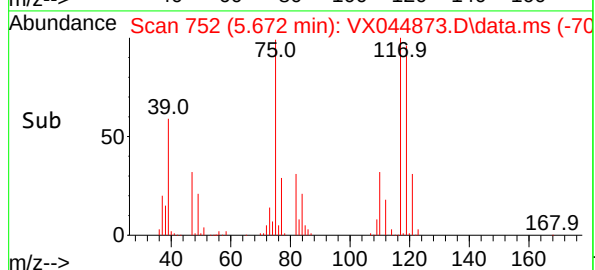
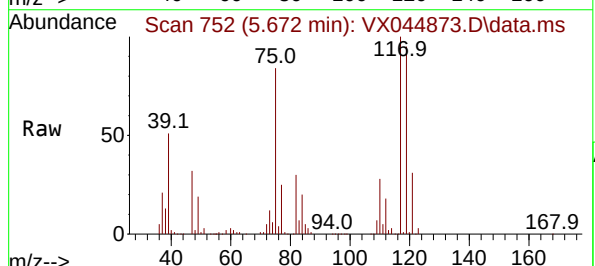
Tgt Ion:117 Resp: 320536

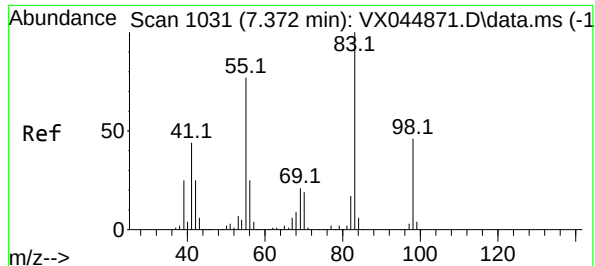
Ion Ratio Lower Upper

117 100

119 94.7 77.5 116.3

121 30.6 25.6 38.4





#39

Methylcyclohexane

Concen: 157.130 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 443218

Ion Ratio Lower Upper

83 100

55 76.5 61.3 91.9

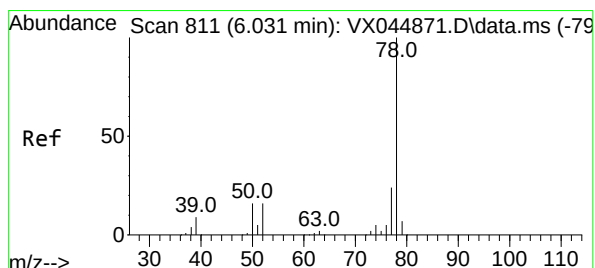
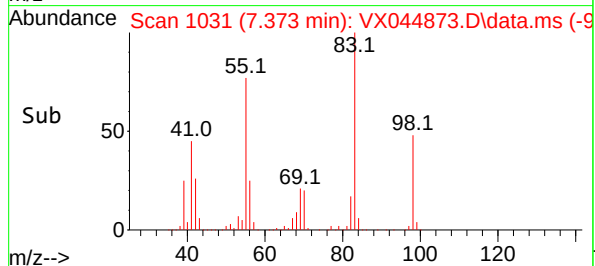
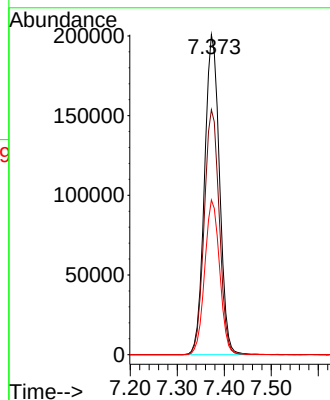
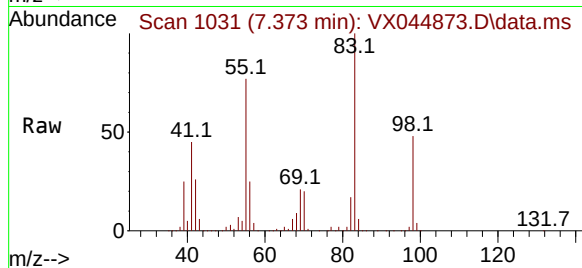
98 48.4 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 148.856 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044873.D

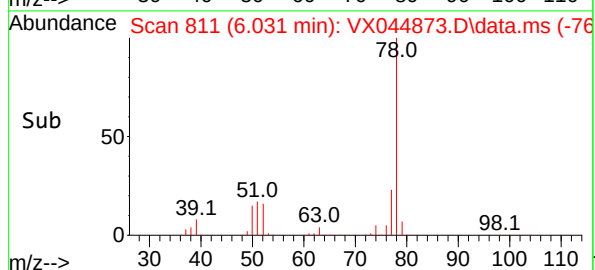
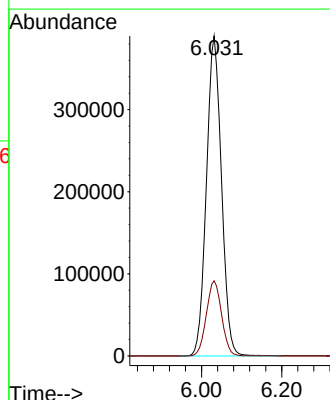
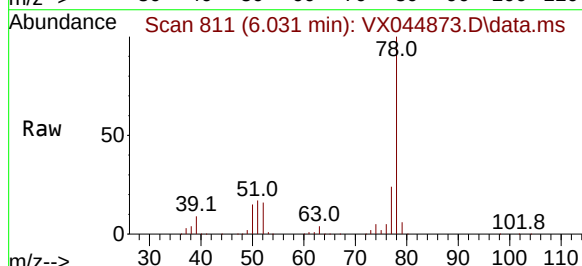
Acq: 10 Feb 2025 12:28

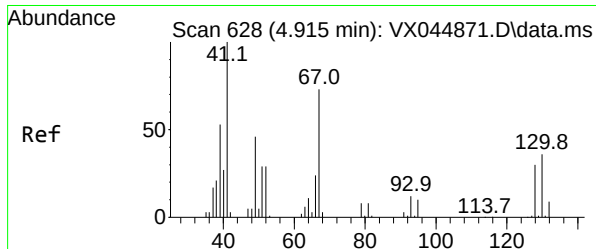
Tgt Ion: 78 Resp: 1014129

Ion Ratio Lower Upper

78 100

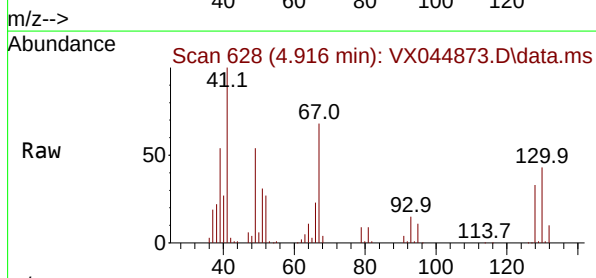
77 23.5 19.0 28.6





#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

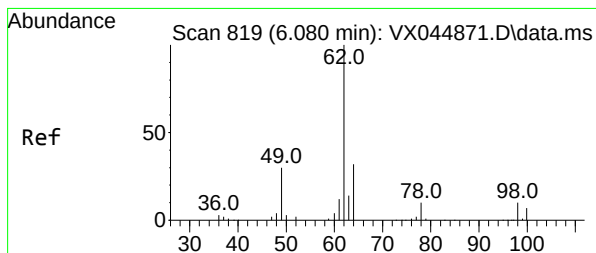
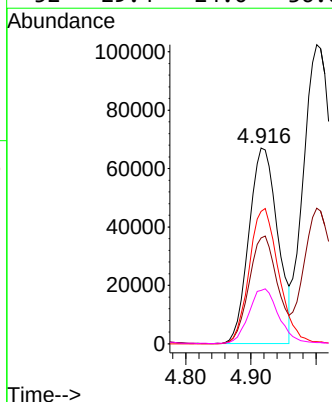
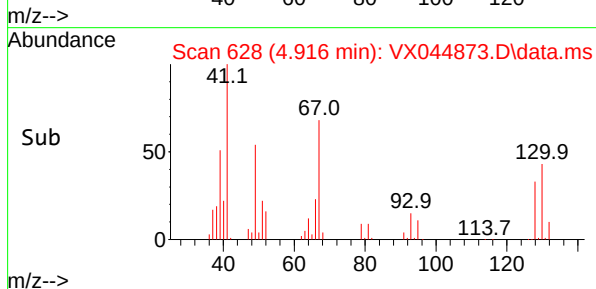
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 20615
Ion Ratio Lower Upper
41 100
39 54.2 43.1 64.7
67 71.4 57.0 85.6
52 29.4 24.0 36.0

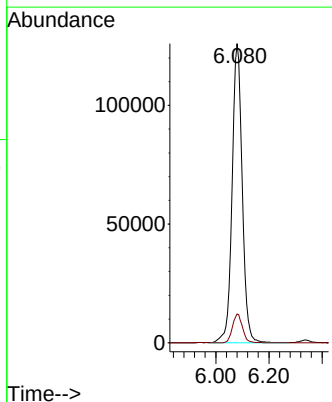
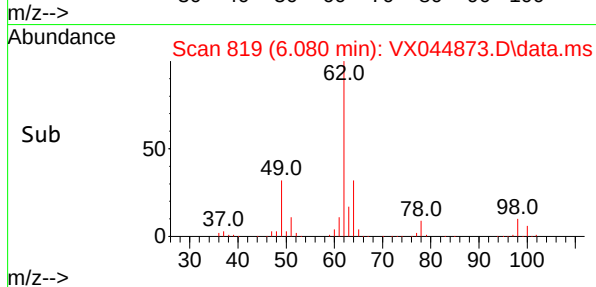
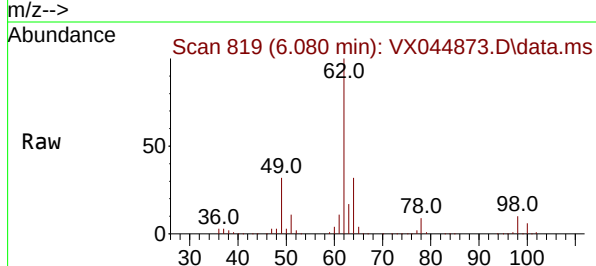
Manual Integrations
APPROVED

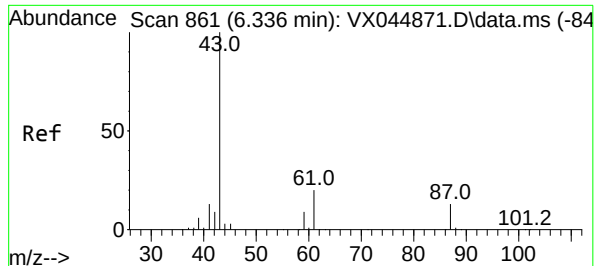
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.4





#43

Isopropyl Acetate

Concen: 157.575 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 617510

Ion Ratio Lower Upper

43 100

61 20.1 15.8 23.8

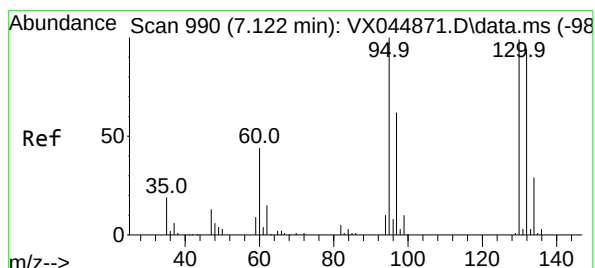
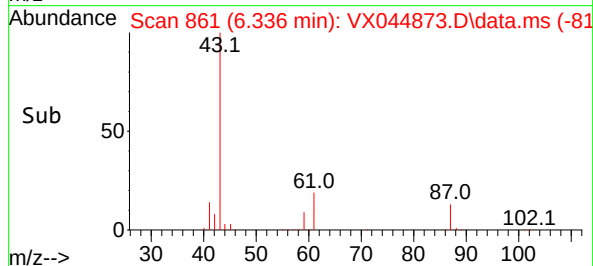
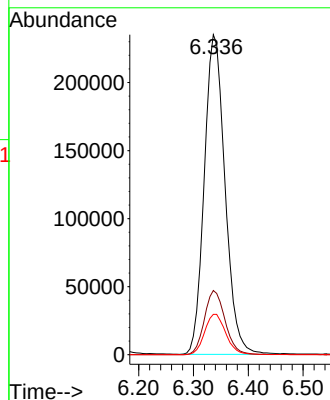
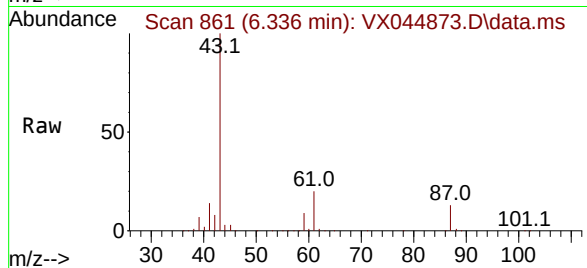
87 12.9 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 153.496 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044873.D

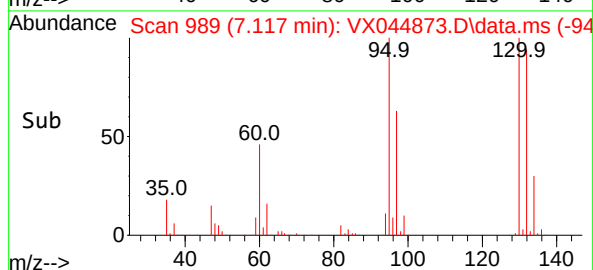
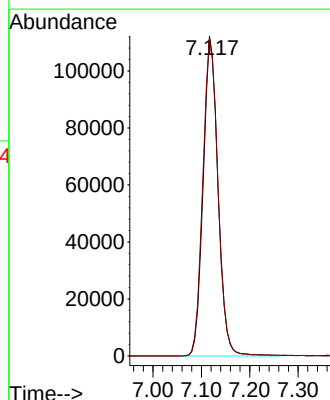
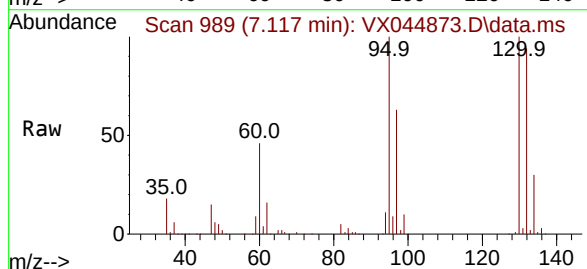
Acq: 10 Feb 2025 12:28

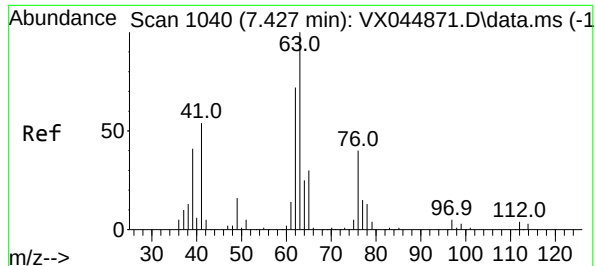
Tgt Ion:130 Resp: 239030

Ion Ratio Lower Upper

130 100

95 99.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 153.076 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 259454

Ion Ratio Lower Upper

63 100

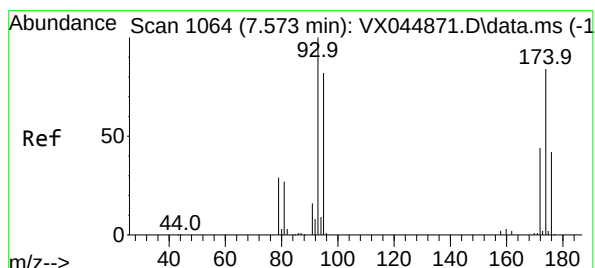
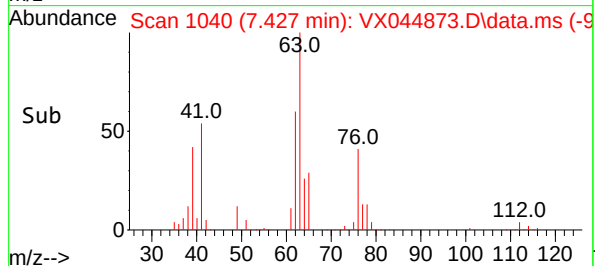
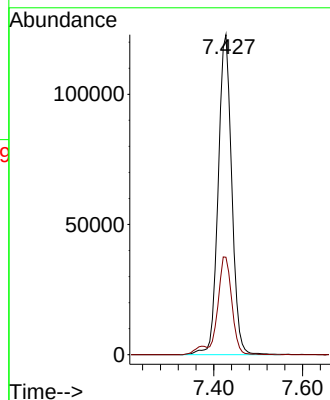
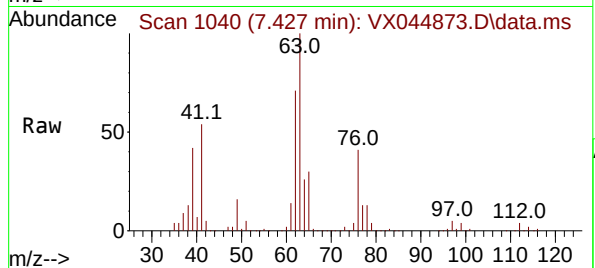
65 30.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 152.870 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

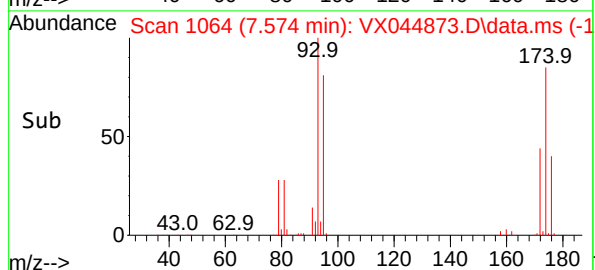
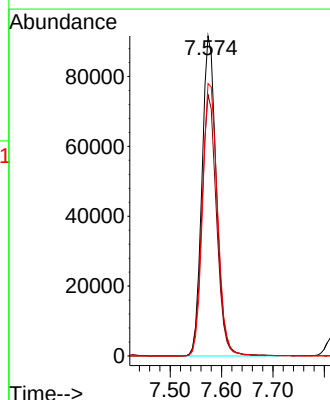
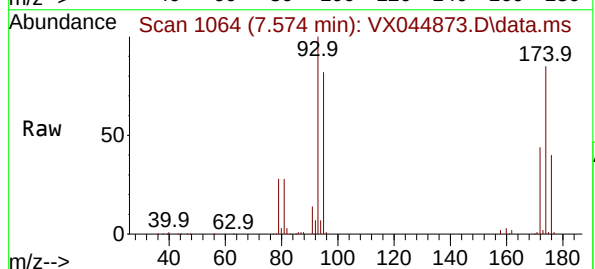
Tgt Ion: 93 Resp: 179689

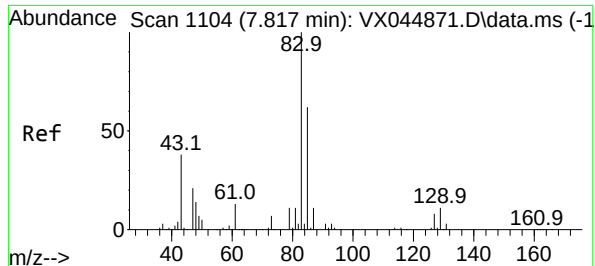
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 87.9 69.9 104.9





#47

Bromodichloromethane

Concen: 157.128 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 35762

Ion Ratio Lower Upper

83 100

85 64.3 50.0 75.0

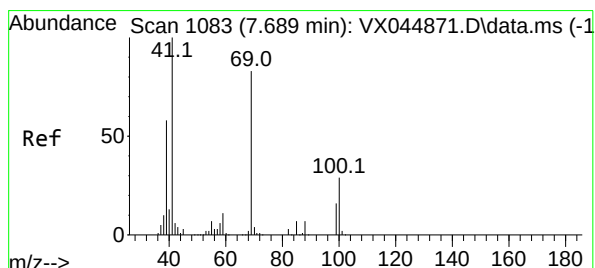
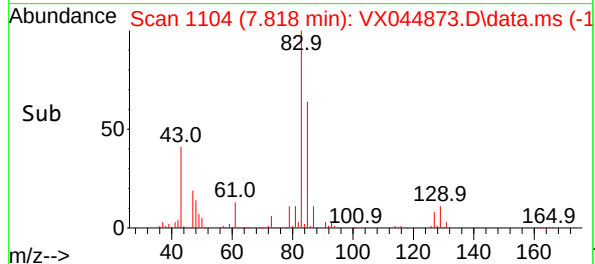
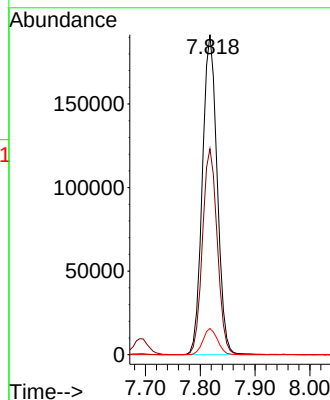
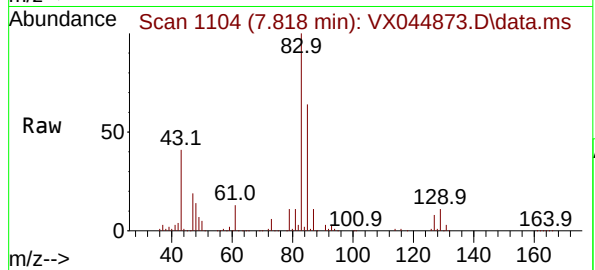
127 8.2 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 161.236 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

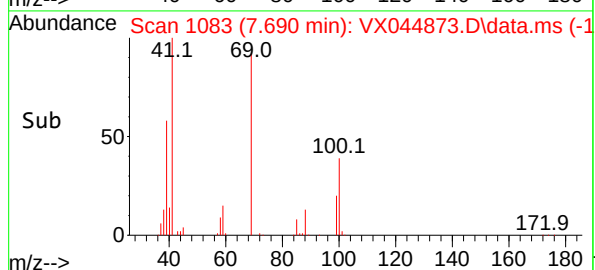
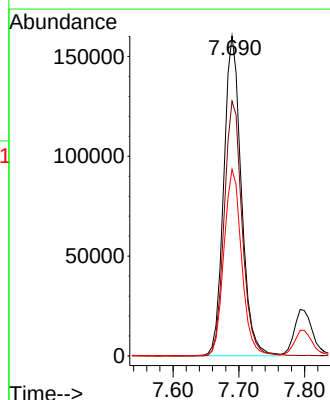
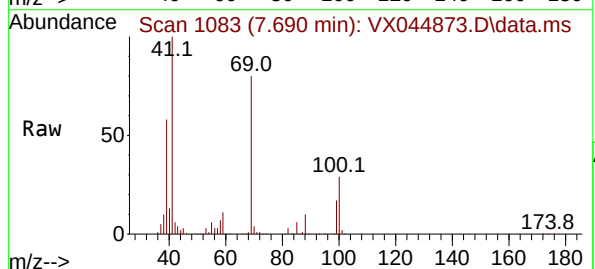
Tgt Ion: 41 Resp: 297931

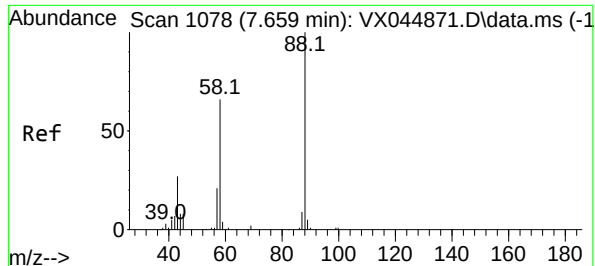
Ion Ratio Lower Upper

41 100

69 81.4 65.8 98.8

39 58.7 46.4 69.6





#49

1,4-Dioxane

Concen: 2678.192 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 106179

Ion Ratio Lower Upper

88 100

43 33.0 26.6 39.8

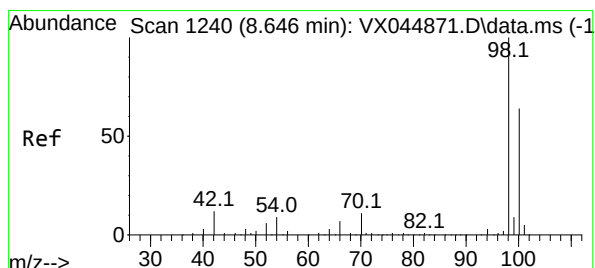
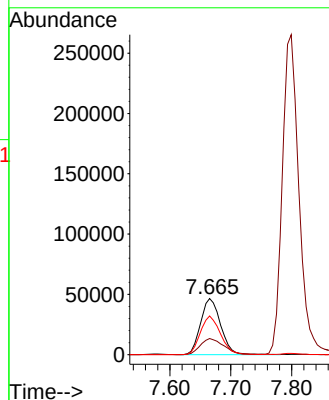
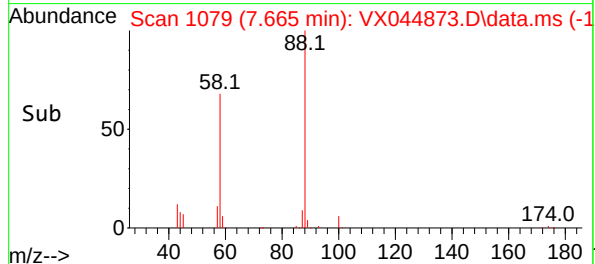
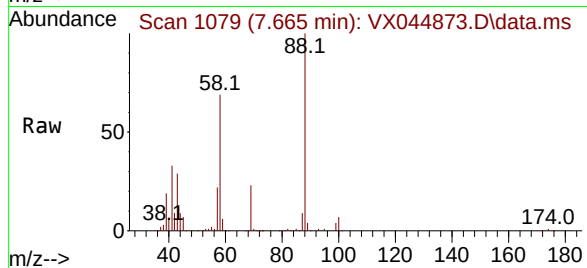
58 69.4 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 147.877 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044873.D

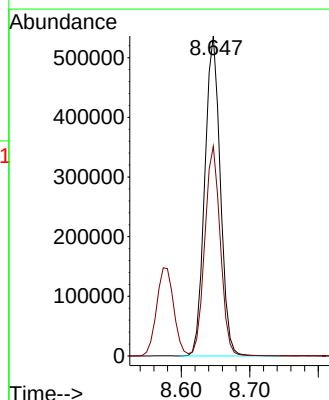
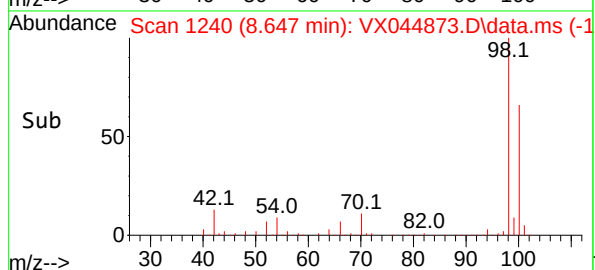
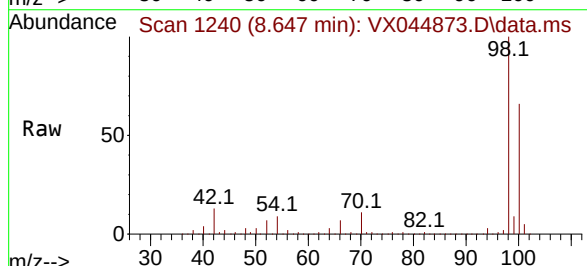
Acq: 10 Feb 2025 12:28

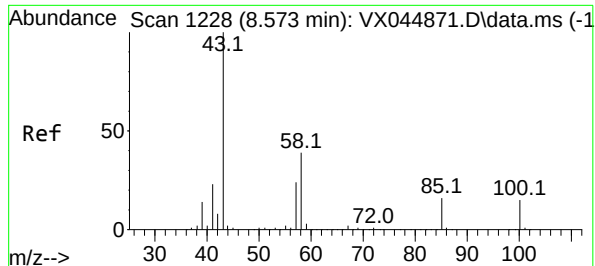
Tgt Ion: 98 Resp: 845632

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 728.887 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 173653

Ion Ratio Lower Upper

43 100

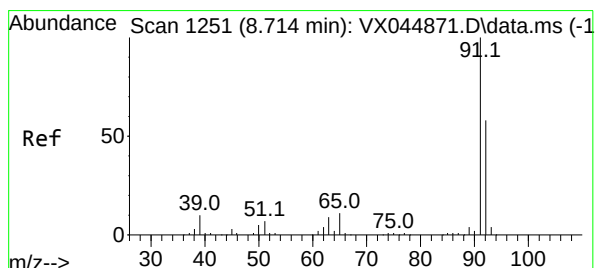
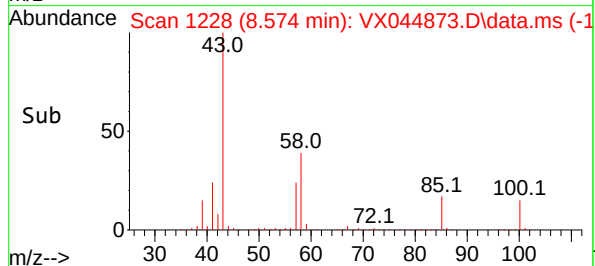
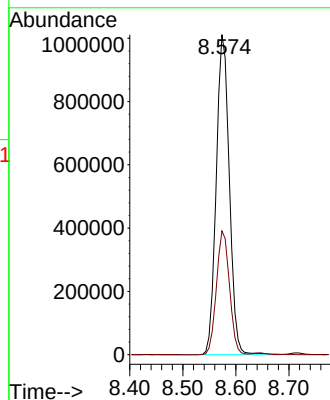
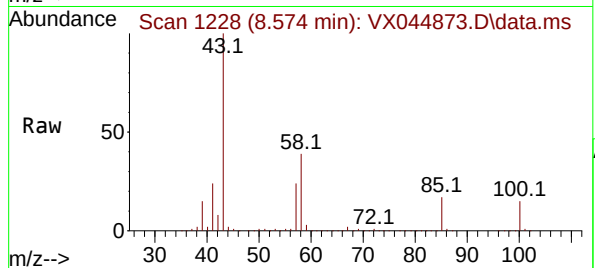
58 38.6 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 148.645 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044873.D

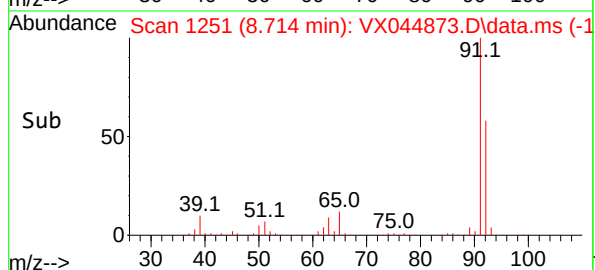
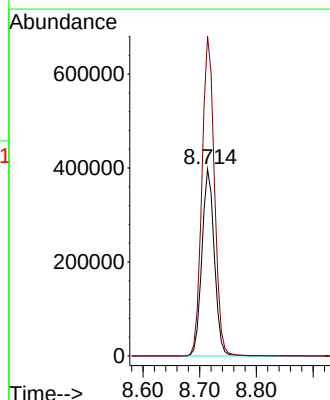
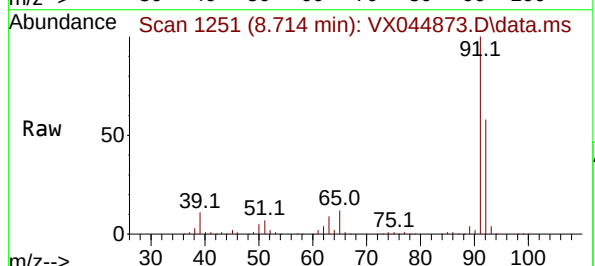
Acq: 10 Feb 2025 12:28

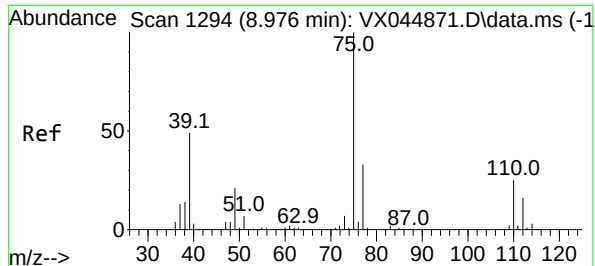
Tgt Ion: 92 Resp: 603113

Ion Ratio Lower Upper

92 100

91 172.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 164.398 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 378639

Ion Ratio Lower Upper

75 100

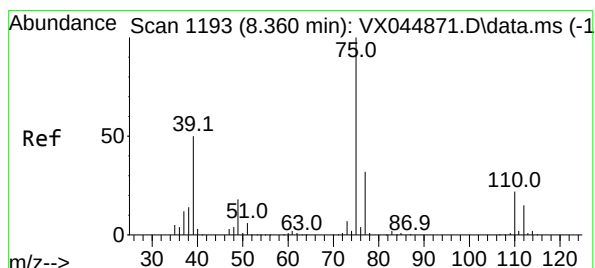
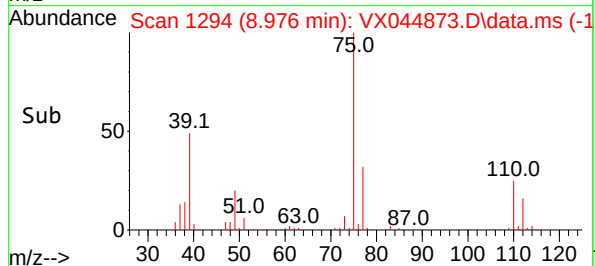
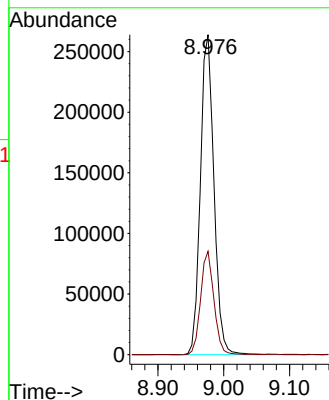
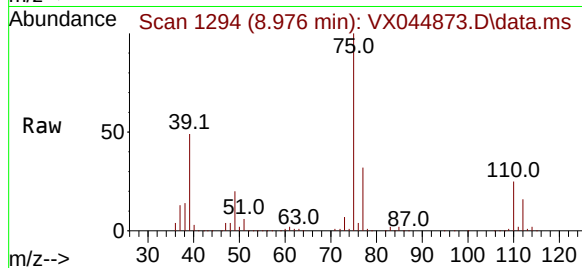
77 32.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 162.667 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

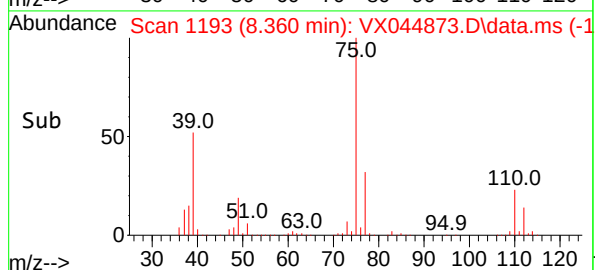
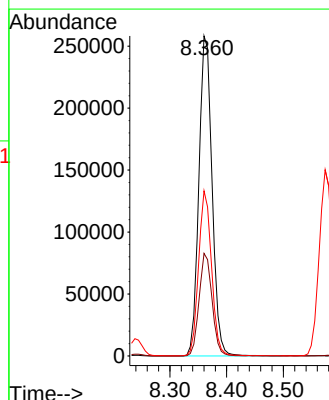
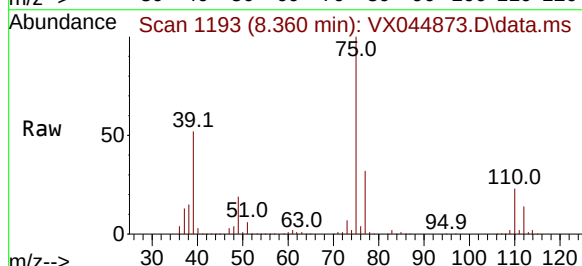
Tgt Ion: 75 Resp: 417724

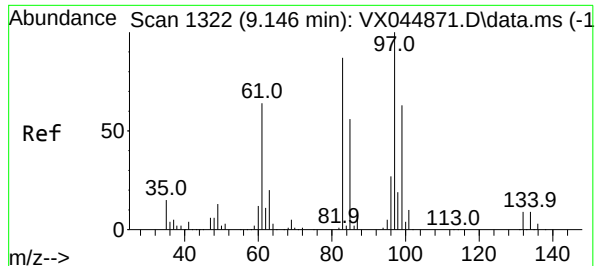
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 51.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 147.172 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 22954

Ion Ratio Lower Upper

97 100

83 89.8 69.8 104.6

85 58.7 44.8 67.2

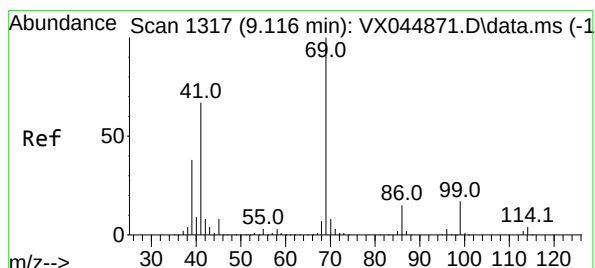
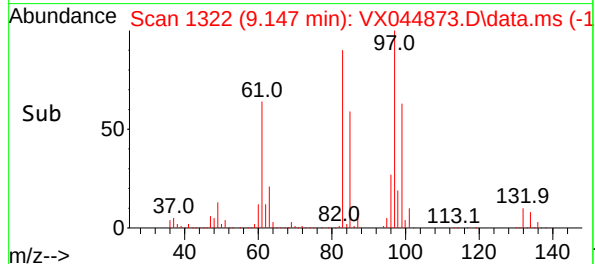
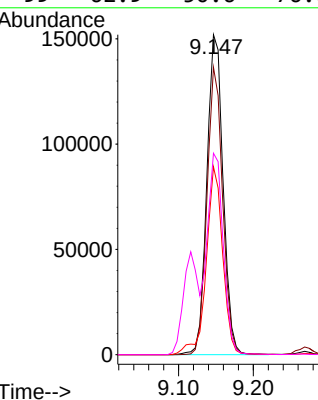
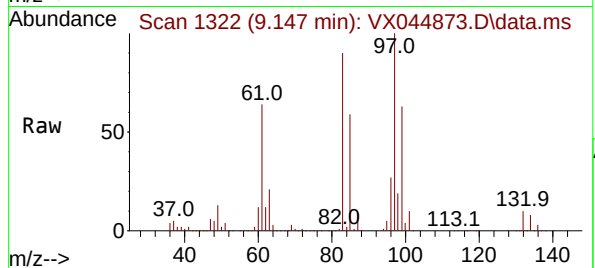
99 62.9 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 158.205 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

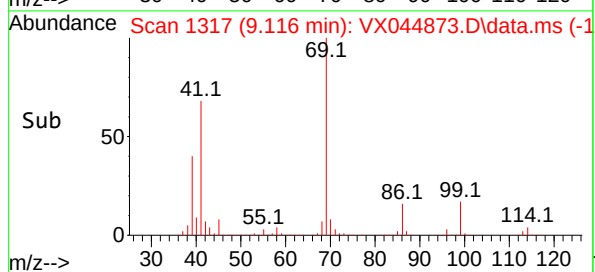
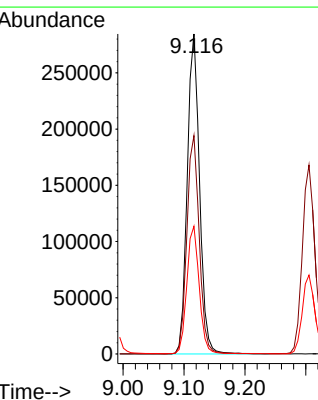
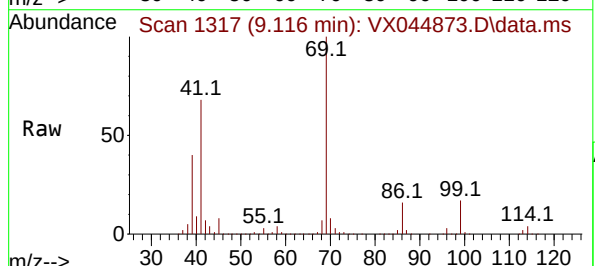
Tgt Ion: 69 Resp: 398535

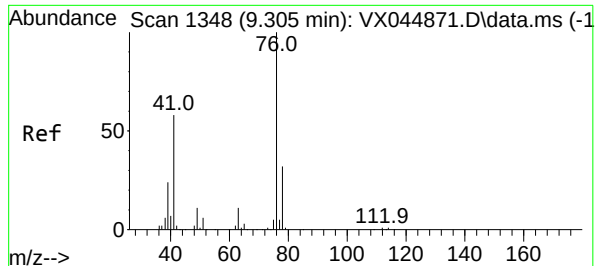
Ion Ratio Lower Upper

69 100

41 68.7 55.2 82.8

39 40.0 30.8 46.2





#57

1,3-Dichloropropane

Concen: 147.915 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 40366

Ion Ratio Lower Upper

76 100

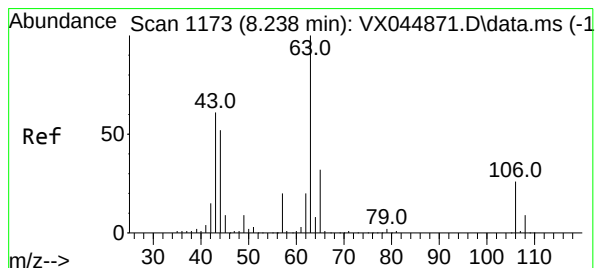
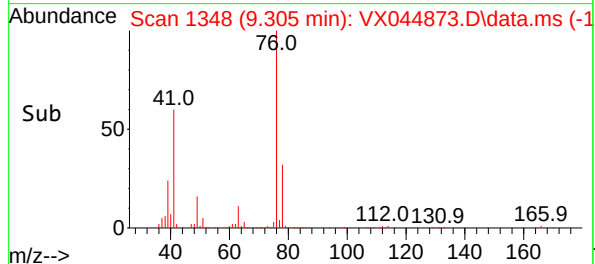
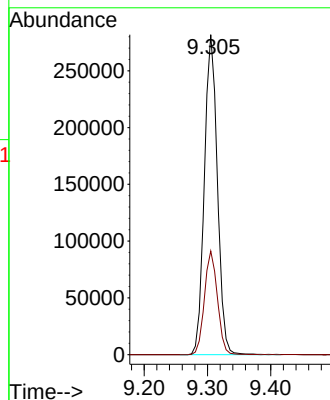
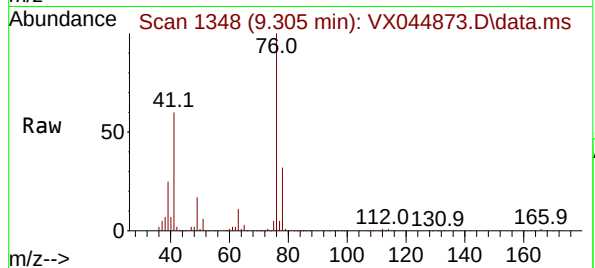
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 794.010 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044873.D

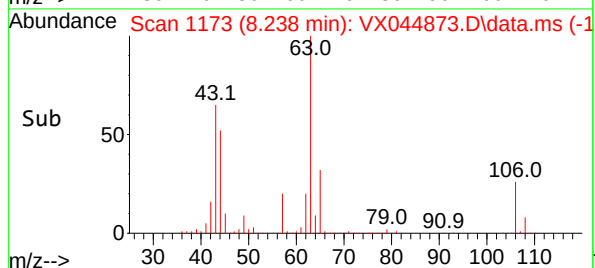
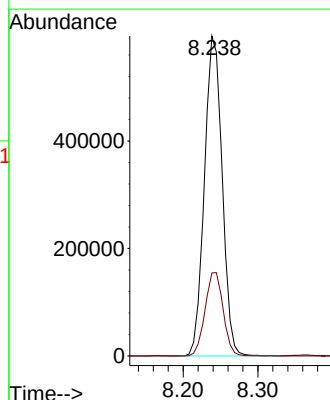
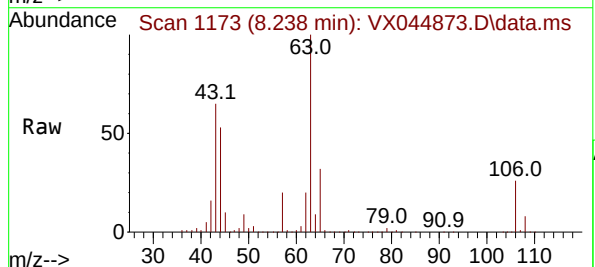
Acq: 10 Feb 2025 12:28

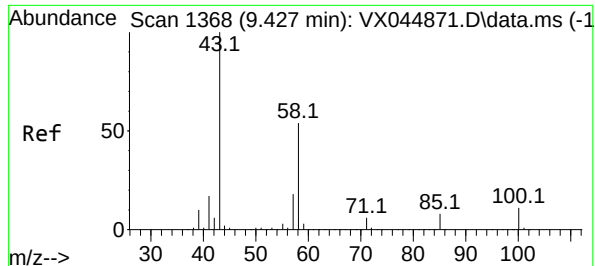
Tgt Ion: 63 Resp: 982120

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 736.622 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1264470

Ion Ratio Lower Upper

43 100

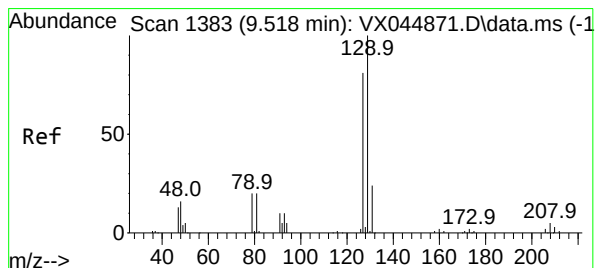
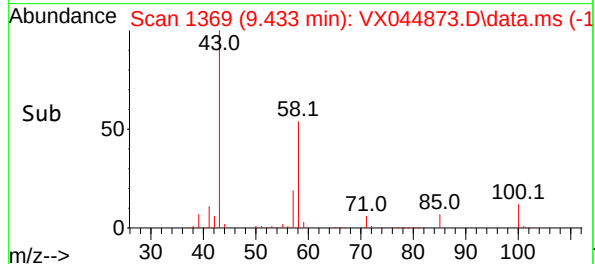
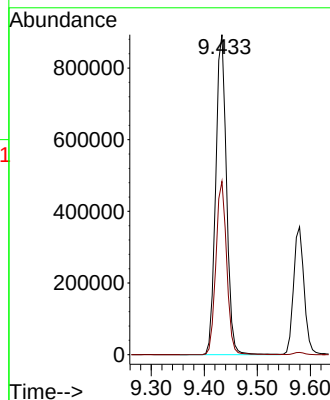
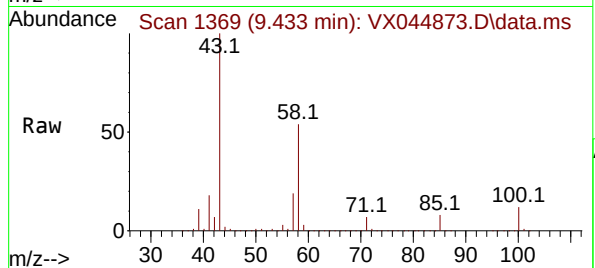
58 54.1 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 154.862 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044873.D

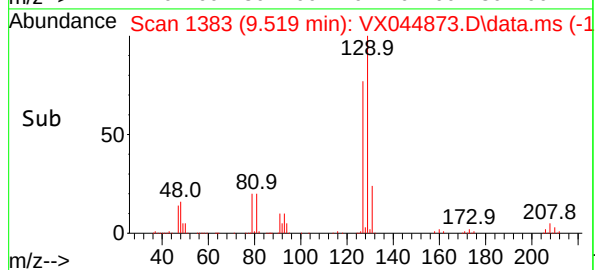
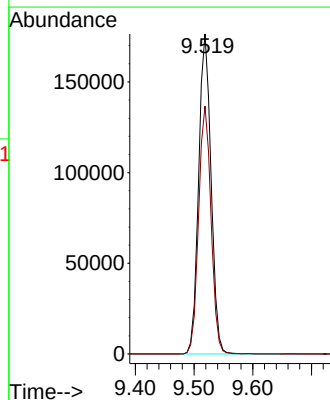
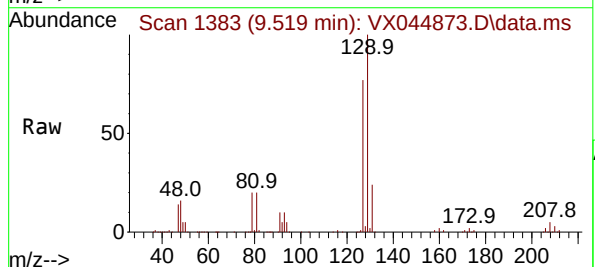
Acq: 10 Feb 2025 12:28

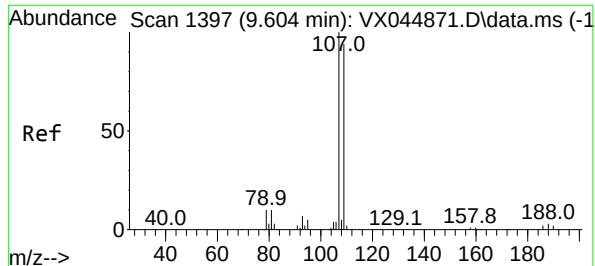
Tgt Ion:129 Resp: 258320

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.3





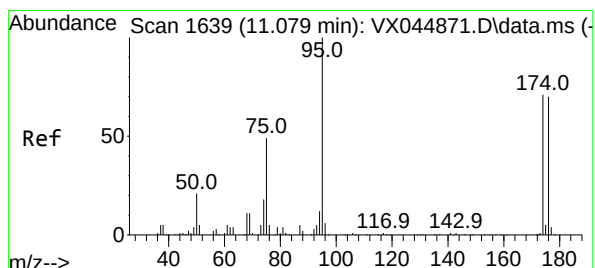
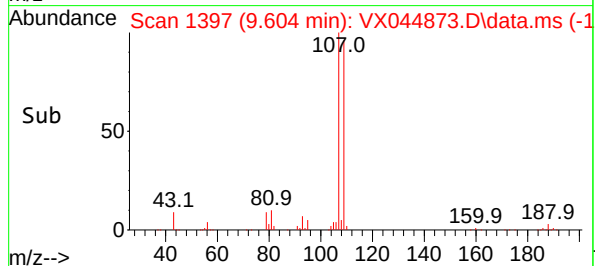
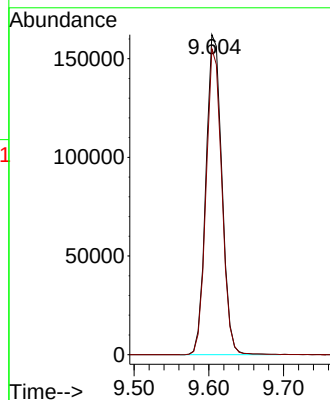
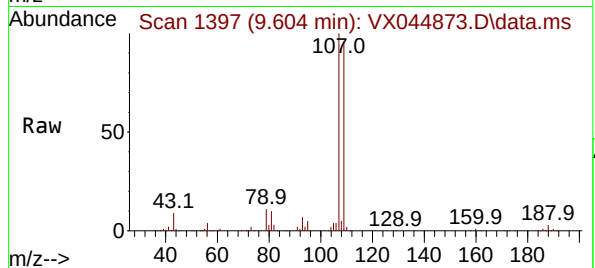
#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 240539
Ion Ratio Lower Upper
107 100
109 94.3 75.9 113.9

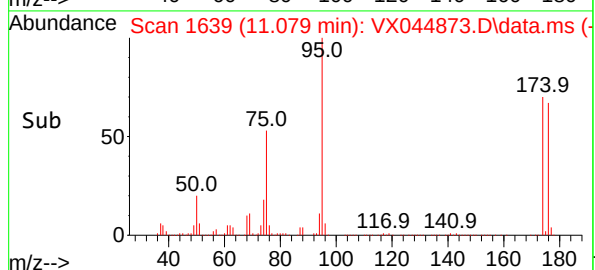
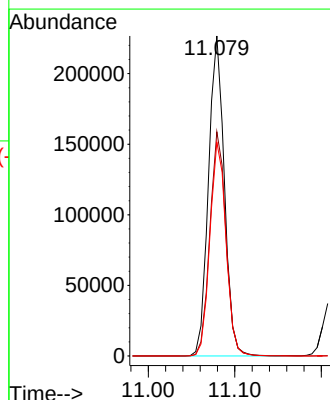
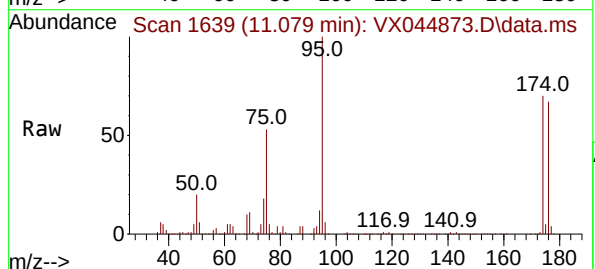
Manual Integrations
APPROVED

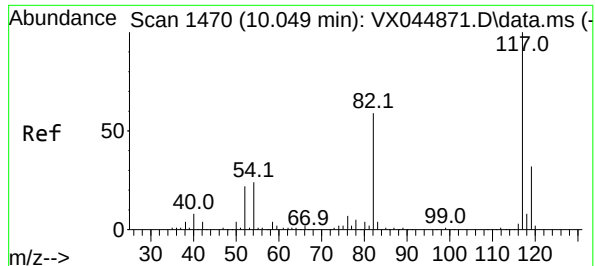
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486
Ion Ratio Lower Upper
95 100
174 71.2 0.0 142.6
176 68.0 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 19666

Ion Ratio Lower Upper

117 100

82 58.1 47.5 71.3

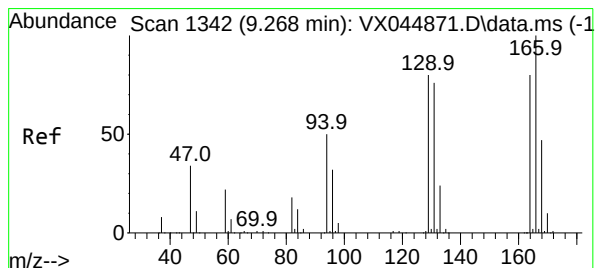
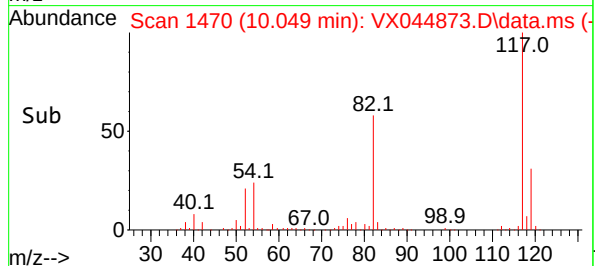
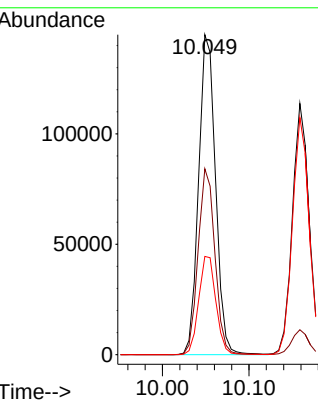
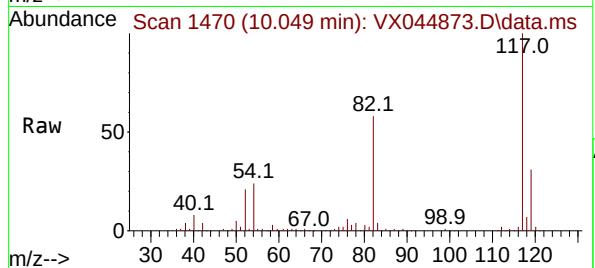
119 30.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 149.155 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990

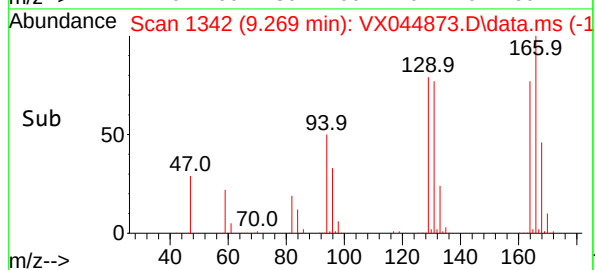
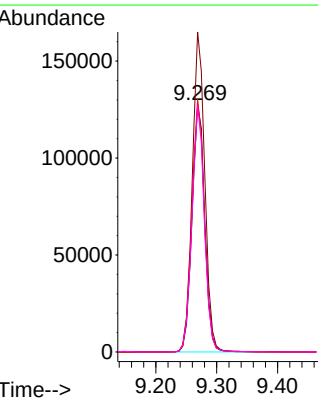
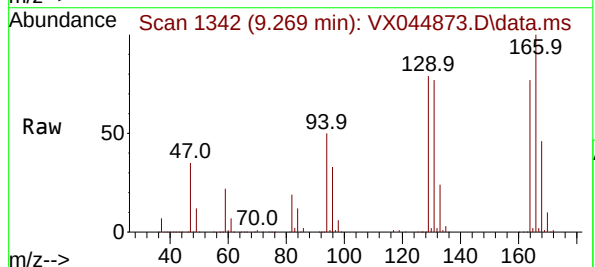
Ion Ratio Lower Upper

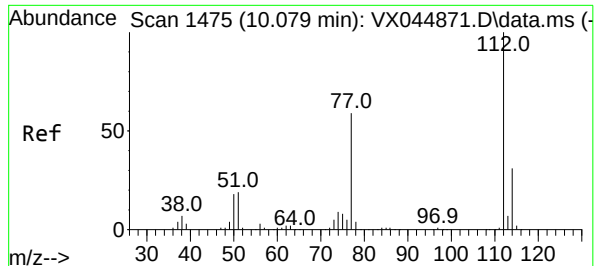
164 100

166 129.5 100.4 150.6

129 102.3 79.9 119.9

131 99.8 75.9 113.9





#65

Chlorobenzene

Concen: 150.224 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 634550

Ion Ratio Lower Upper

112 100

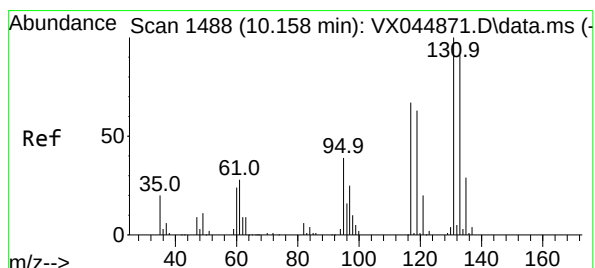
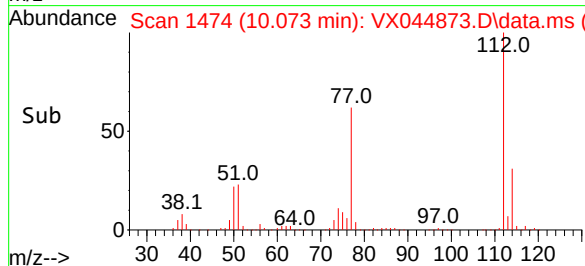
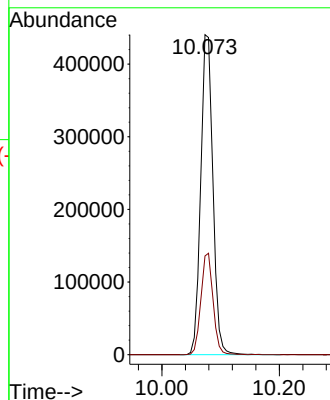
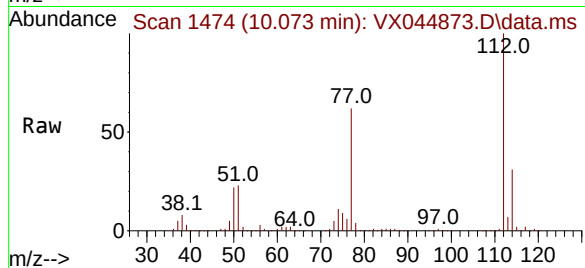
114 30.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 156.255 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

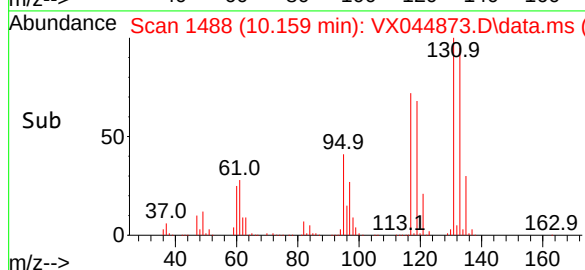
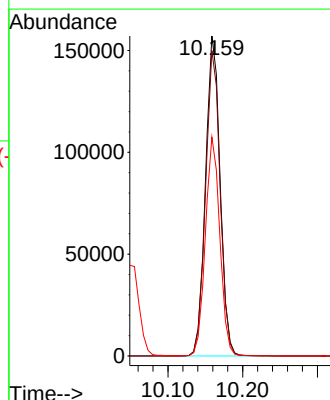
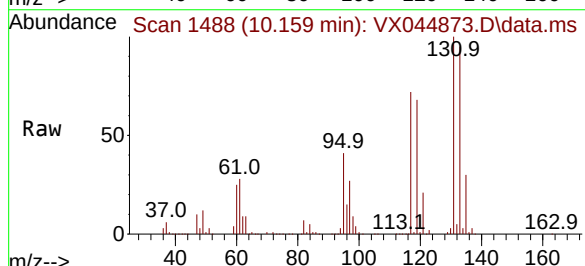
Tgt Ion:131 Resp: 212441

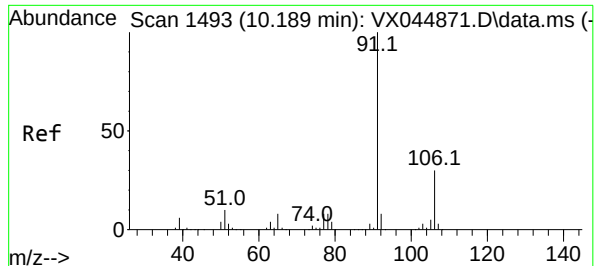
Ion Ratio Lower Upper

131 100

133 95.3 47.1 141.3

119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 152.647 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 113784

Ion Ratio Lower Upper

91 100

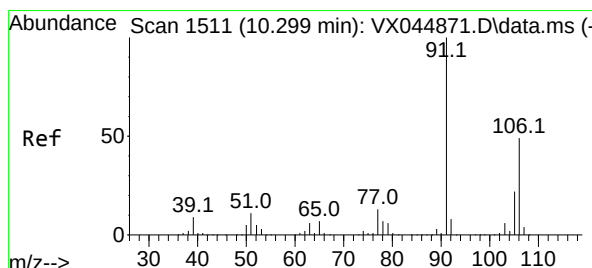
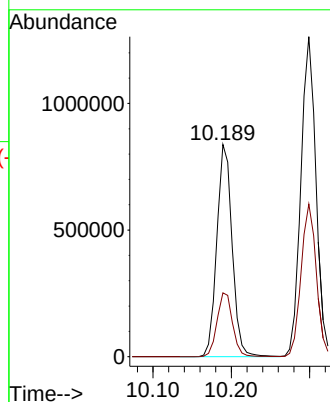
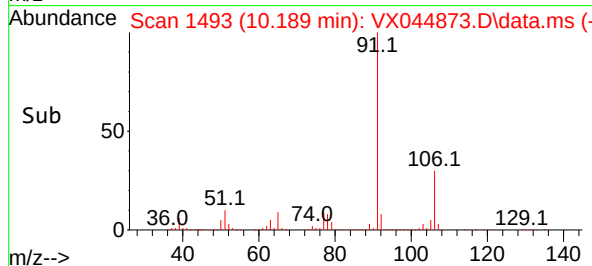
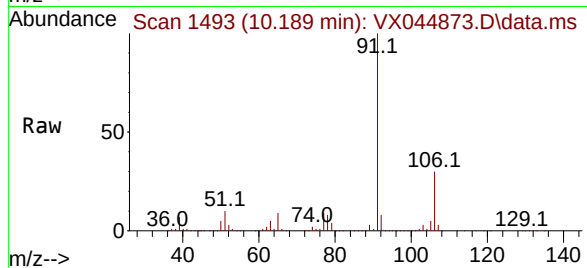
106 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 297.841 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044873.D

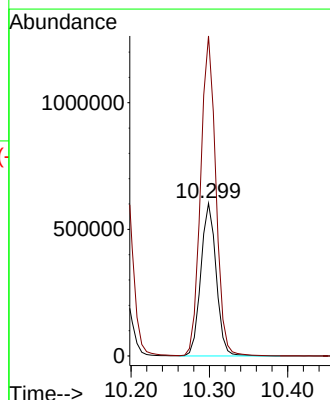
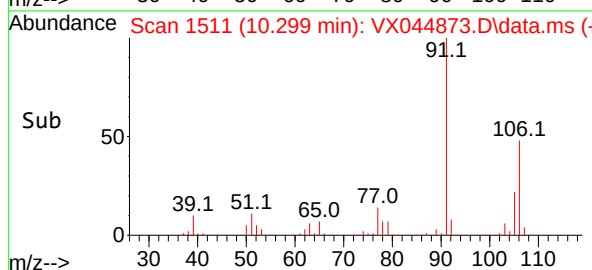
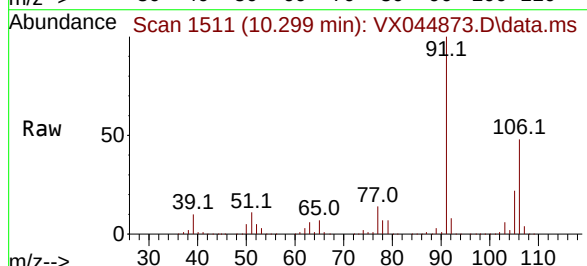
Acq: 10 Feb 2025 12:28

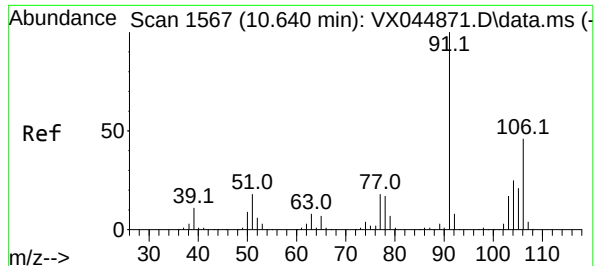
Tgt Ion:106 Resp: 818971

Ion Ratio Lower Upper

106 100

91 208.6 164.3 246.5





#69

o-Xylene

Concen: 145.674 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:106 Resp: 401928

Ion Ratio Lower Upper

106 100

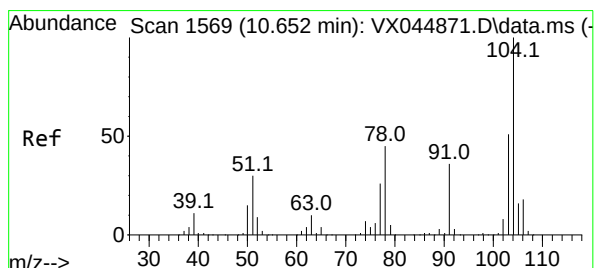
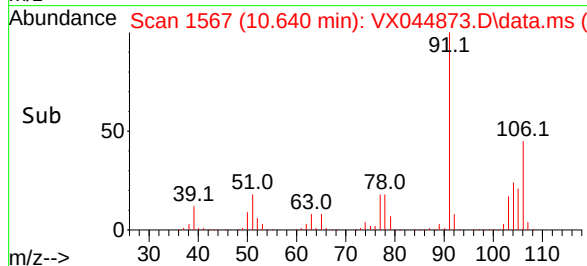
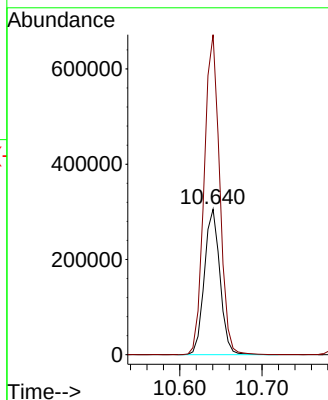
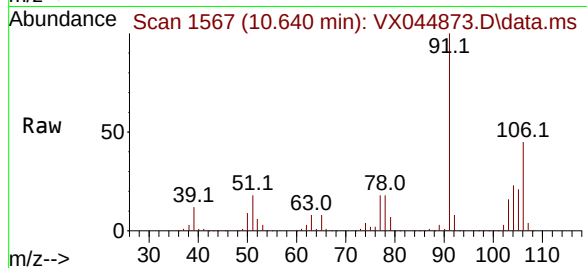
91 218.9 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 151.140 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

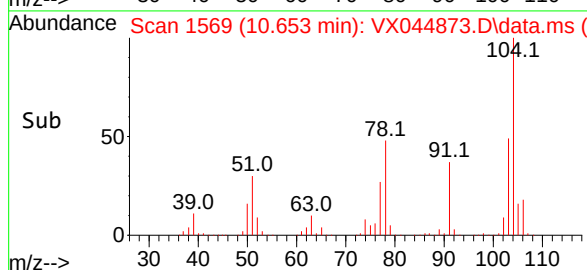
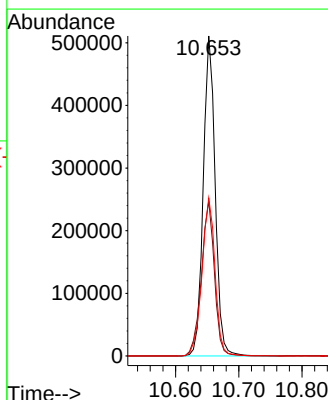
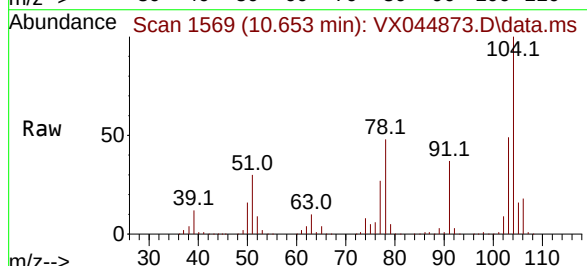
Tgt Ion:104 Resp: 671843

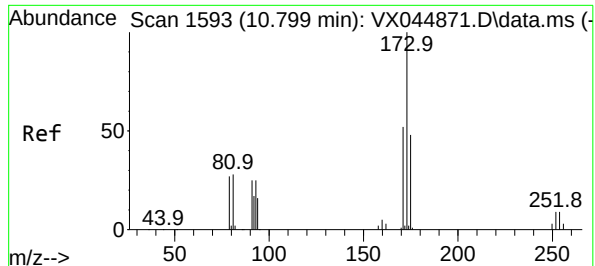
Ion Ratio Lower Upper

104 100

78 53.0 40.5 60.7

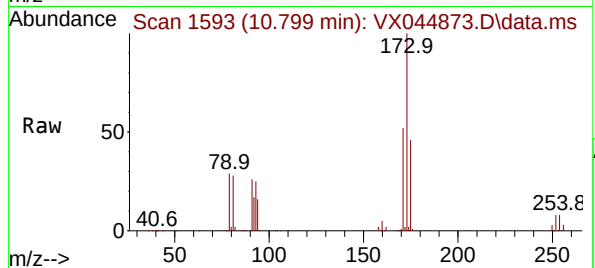
103 54.5 43.6 65.4





#71
Bromoform
Concen: 167.033 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

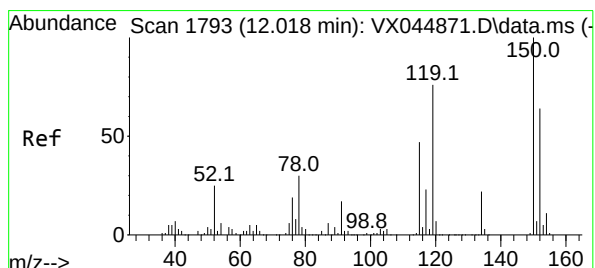
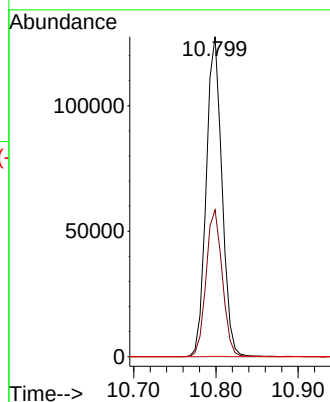
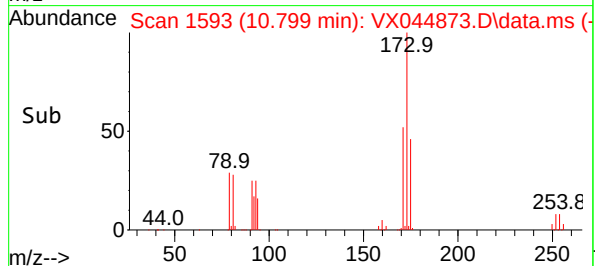
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



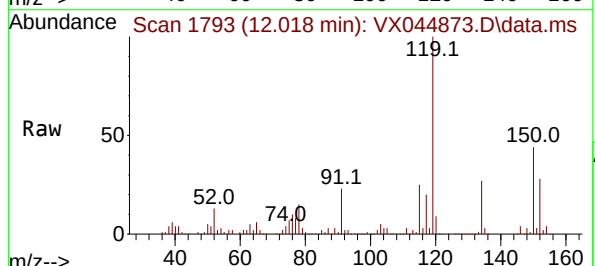
Tgt Ion:173 Resp: 16948
Ion Ratio Lower Upper
173 100
175 47.4 24.3 72.8
254 0.1 0.0 0.0

Manual Integrations
APPROVED

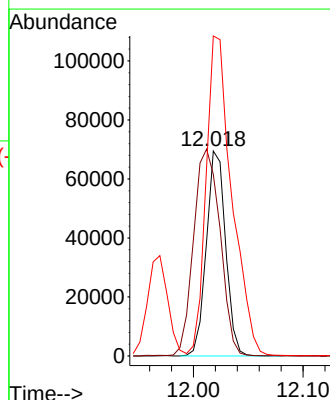
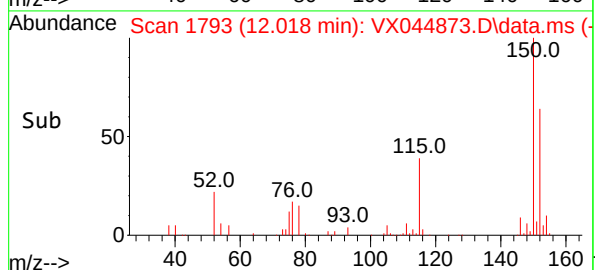
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

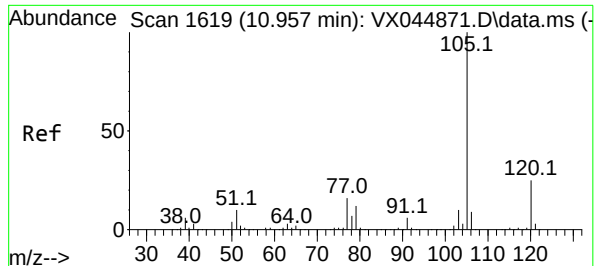


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28



Tgt Ion:152 Resp: 84836
Ion Ratio Lower Upper
152 100
115 139.2 43.4 130.1#
150 209.6 0.0 350.4





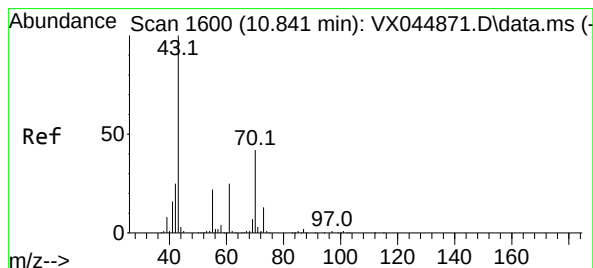
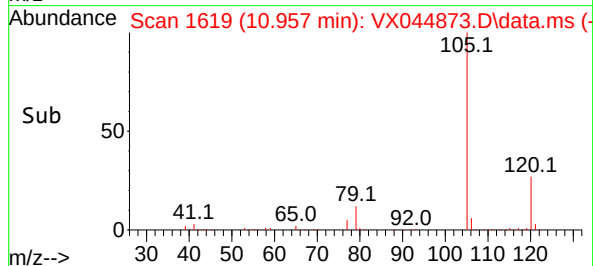
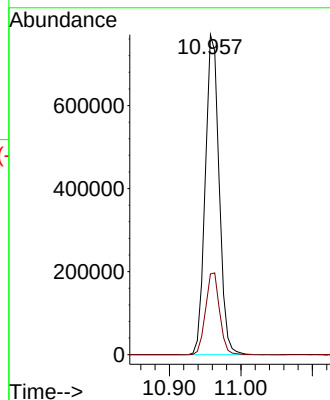
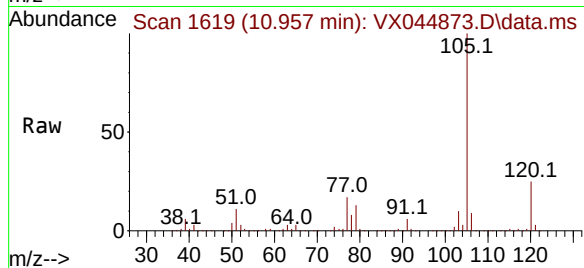
#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 103740
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

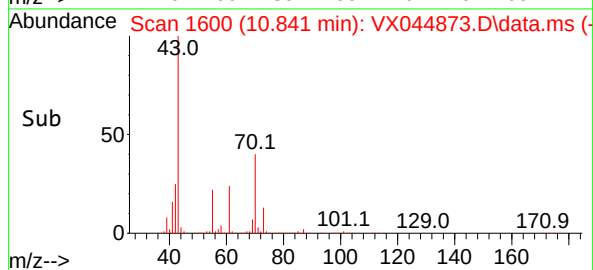
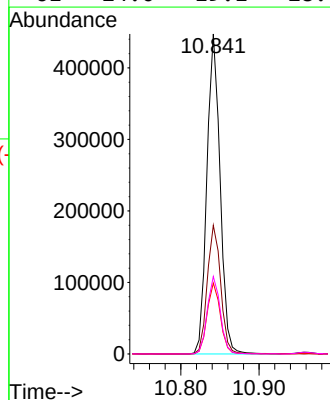
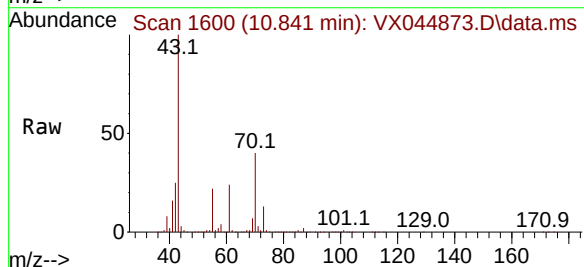
Manual Integrations
APPROVED

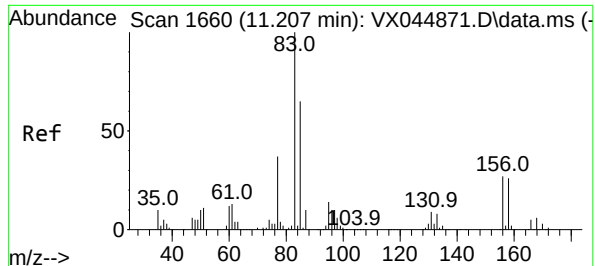
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 168.861 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962
Ion Ratio Lower Upper
43 100
70 41.0 33.7 50.5
55 22.3 18.6 27.8
61 24.0 19.1 28.7





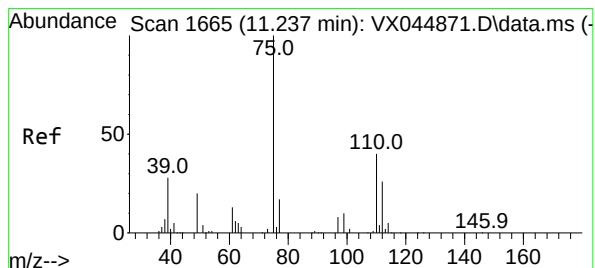
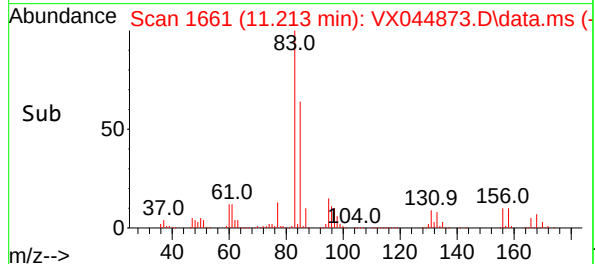
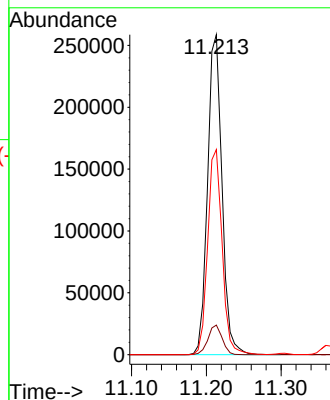
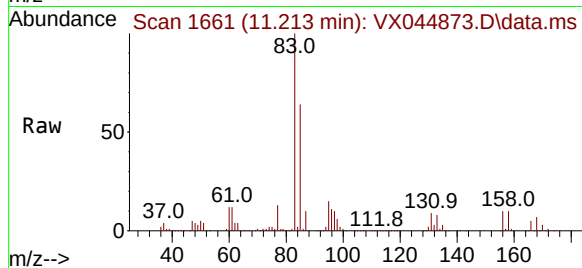
#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 34601
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 64.3 32.3 96.8

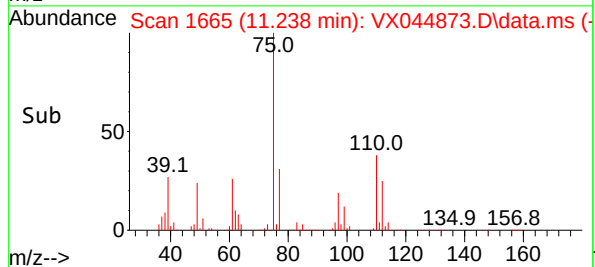
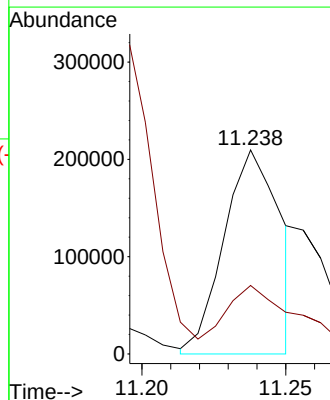
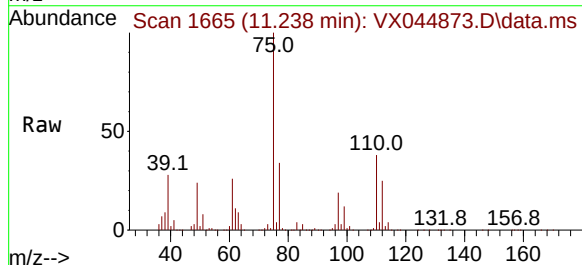
Manual Integrations
APPROVED

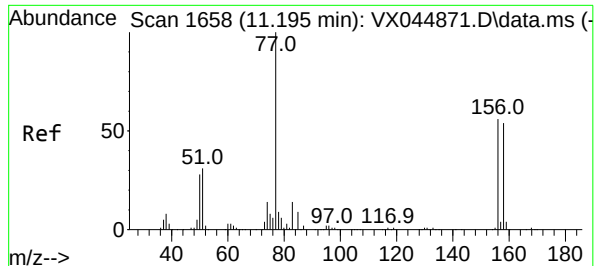
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 151.485 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

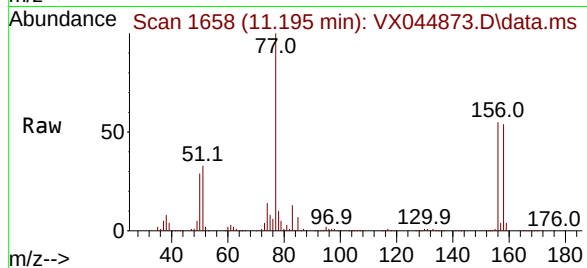
Tgt Ion: 75 Resp: 284934
Ion Ratio Lower Upper
75 100
77 44.3 21.9 65.7





#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

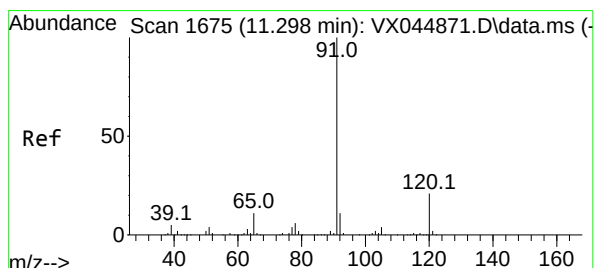
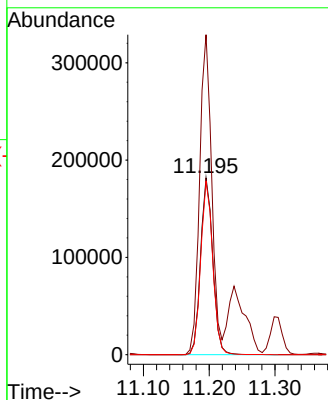
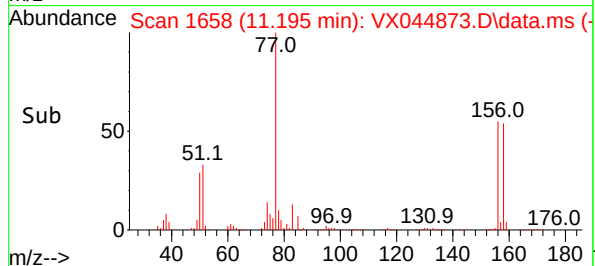
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 156 Resp: 23495
Ion Ratio Lower Upper
156 100
77 179.2 88.4 265.3
158 97.1 48.4 145.2

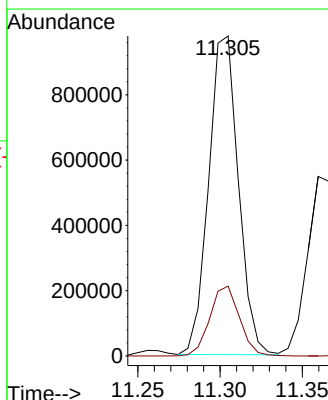
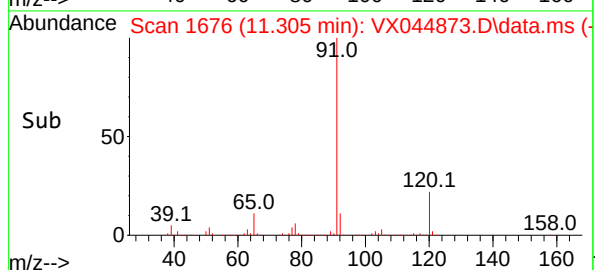
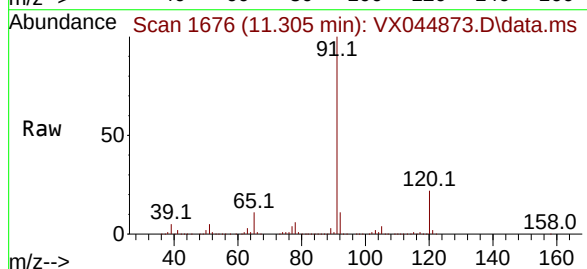
Manual Integrations
APPROVED

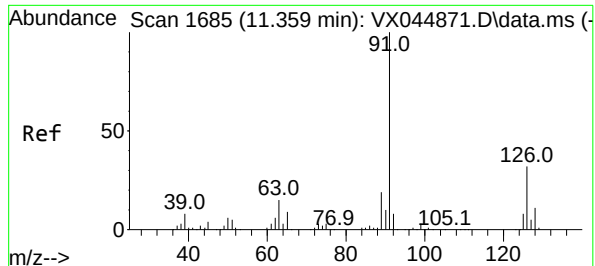
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 156.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 1231079
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3





#79

2-Chlorotoluene

Concen: 148.123 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 717760

Ion Ratio Lower Upper

91 100

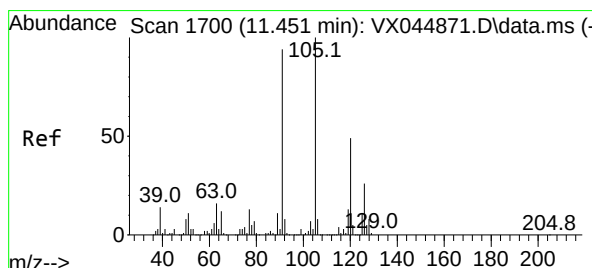
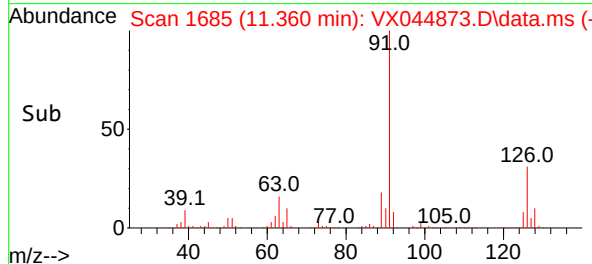
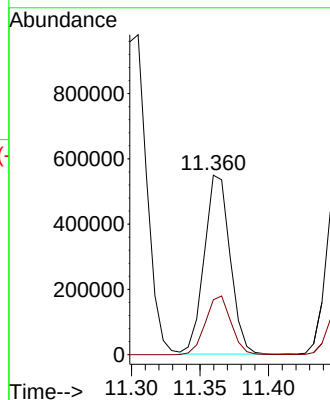
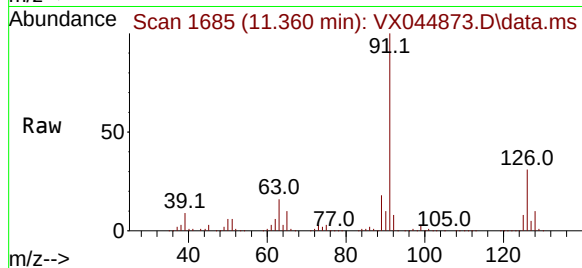
126 32.5 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 148.415 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044873.D

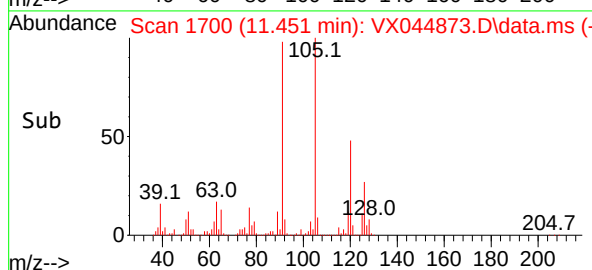
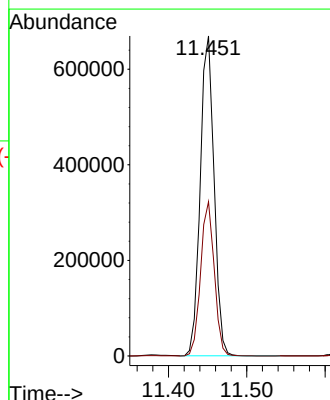
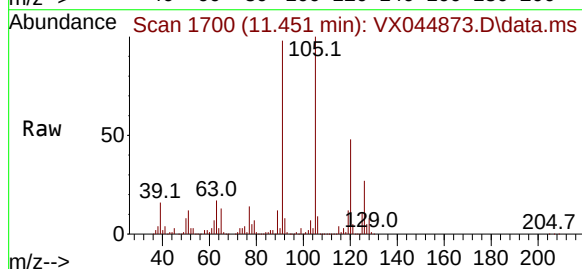
Acq: 10 Feb 2025 12:28

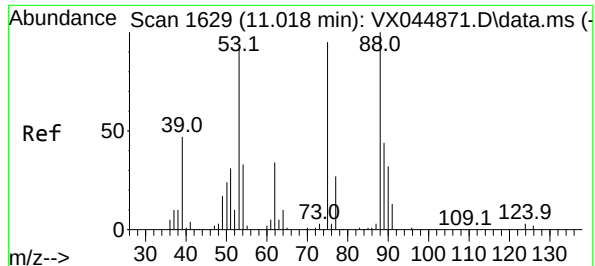
Tgt Ion:105 Resp: 822707

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0





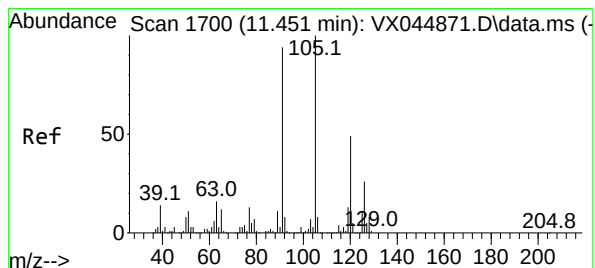
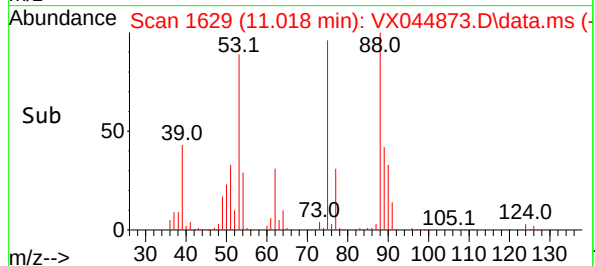
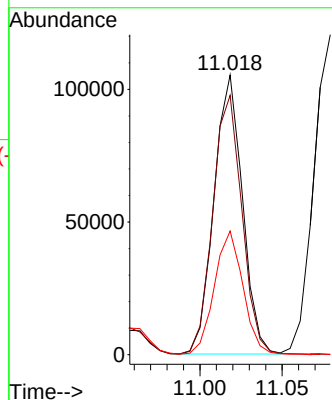
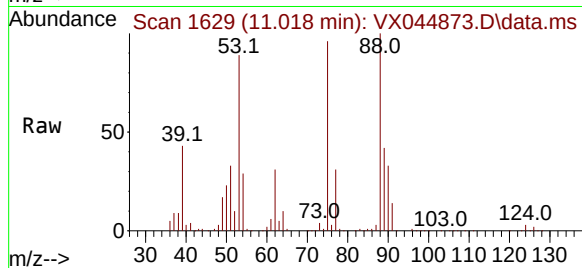
#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 126660
Ion Ratio Lower Upper
75 100
53 95.2 78.0 117.0
89 44.7 36.6 54.8

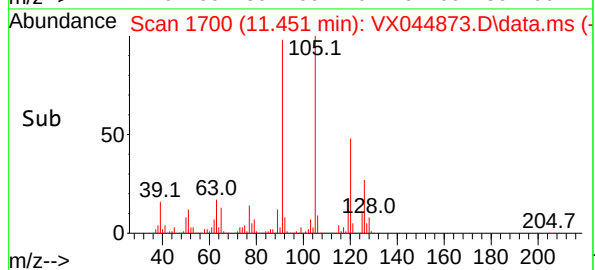
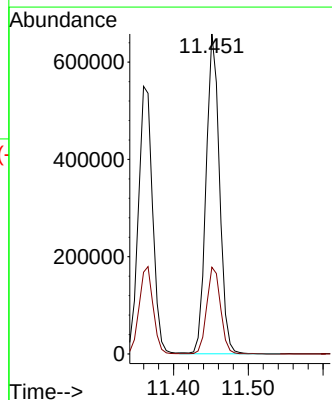
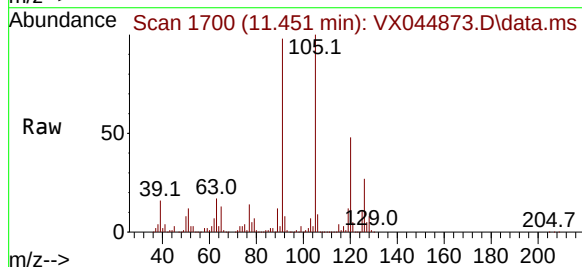
Manual Integrations
APPROVED

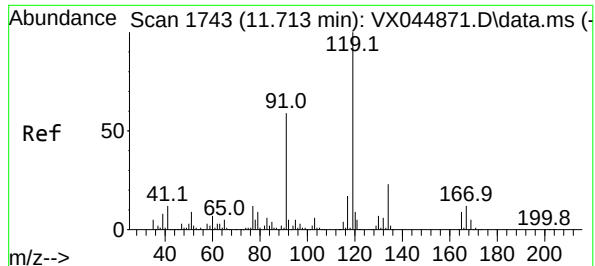
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099
Ion Ratio Lower Upper
91 100
126 27.9 14.2 42.6





#83

tert-Butylbenzene

Concen: 149.610 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 838979

Ion Ratio Lower Upper

119 100

91 61.1 29.1 87.4

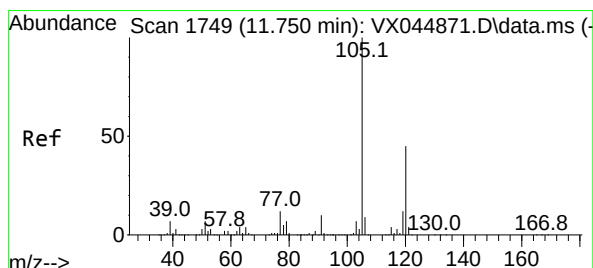
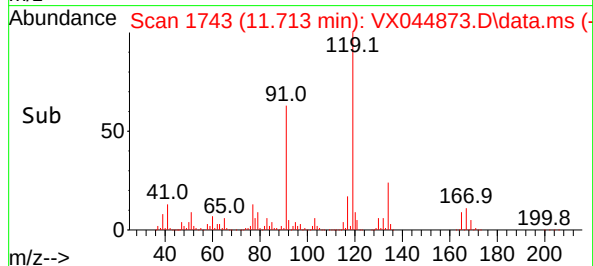
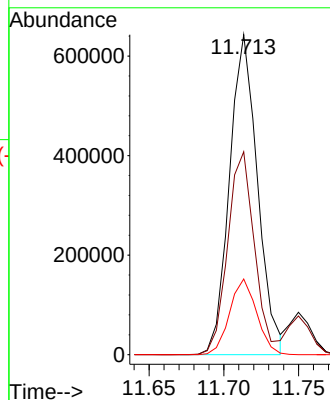
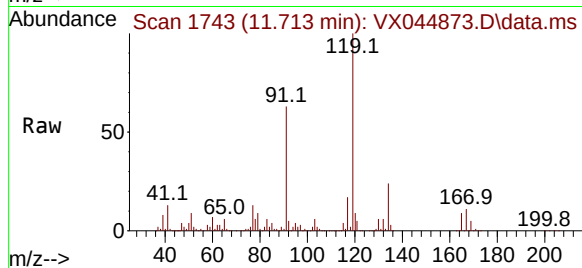
134 22.9 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 153.274 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044873.D

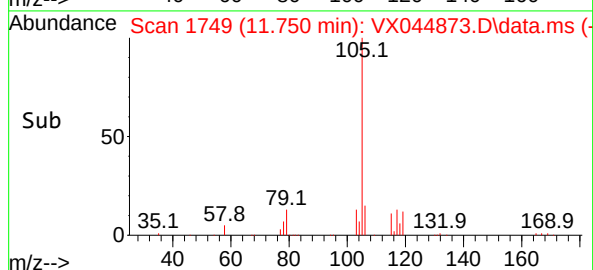
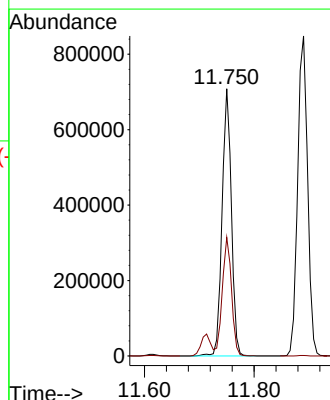
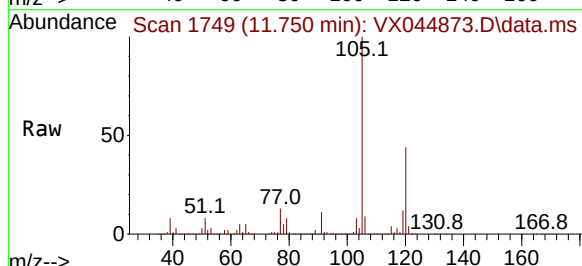
Acq: 10 Feb 2025 12:28

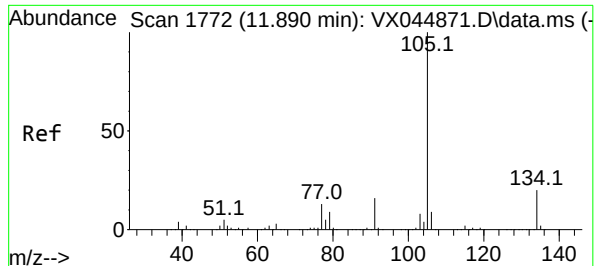
Tgt Ion:105 Resp: 838584

Ion Ratio Lower Upper

105 100

120 44.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 152.806 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 106110

Ion Ratio Lower Upper

105 100

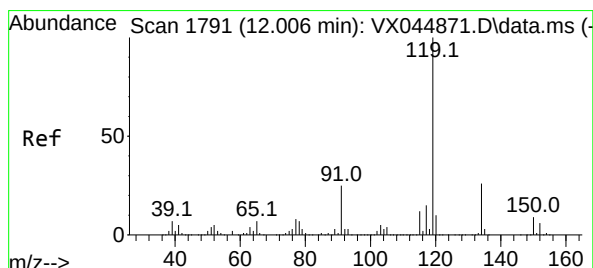
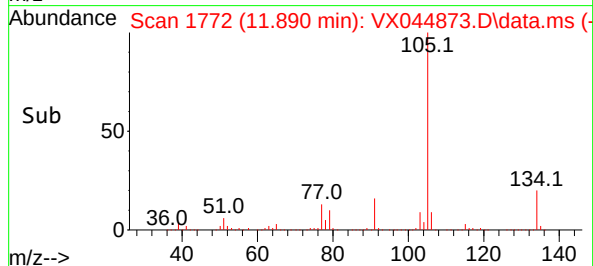
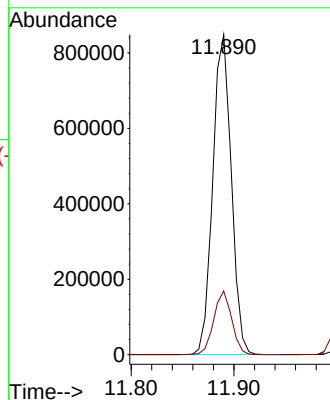
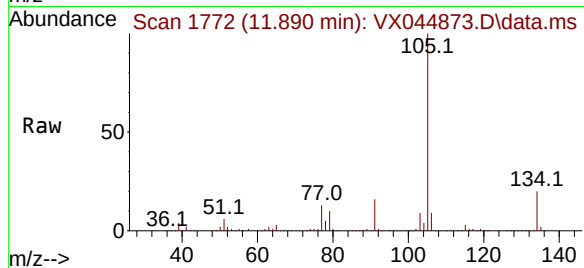
134 19.3 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 154.987 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

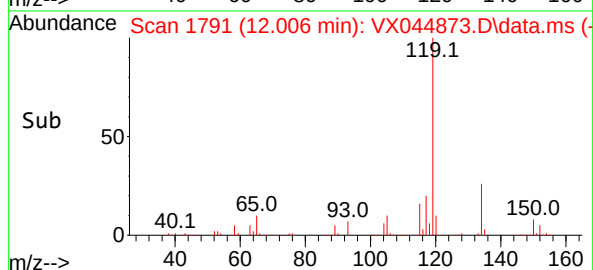
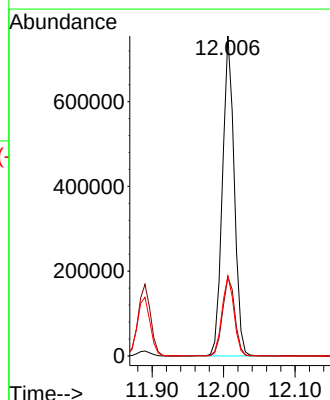
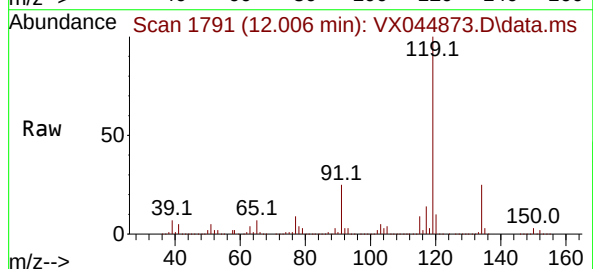
Tgt Ion:119 Resp: 865491

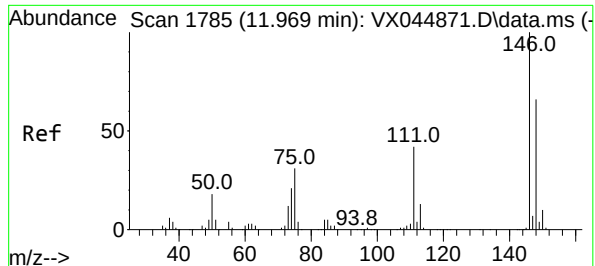
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 152.175 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 433384

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

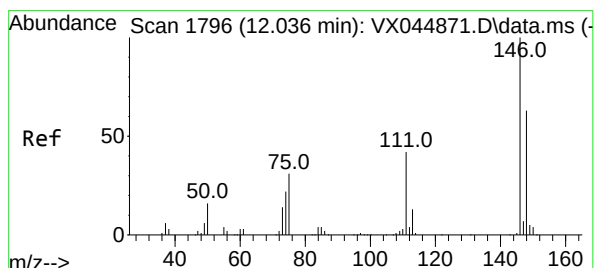
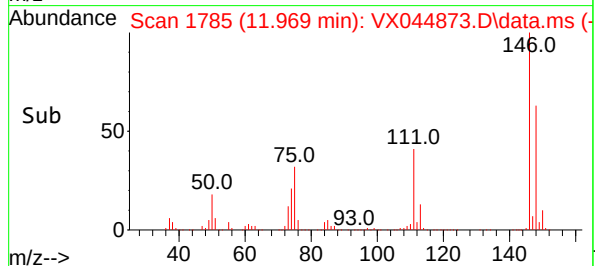
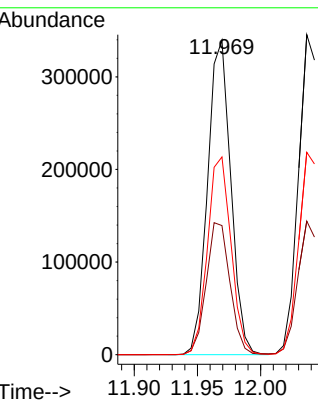
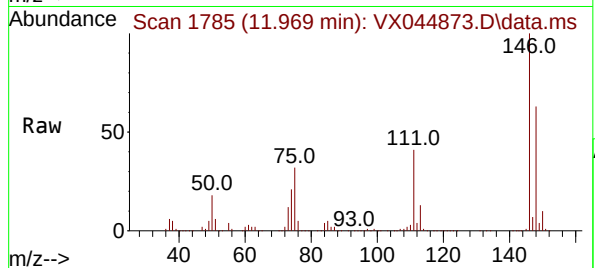
148 63.9 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 150.362 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

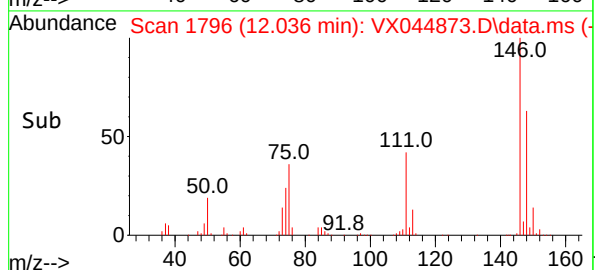
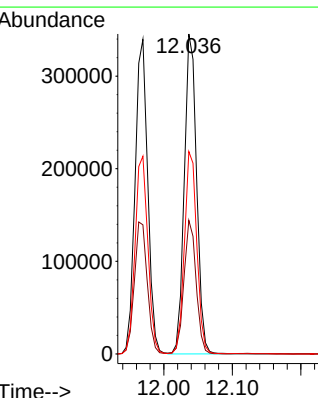
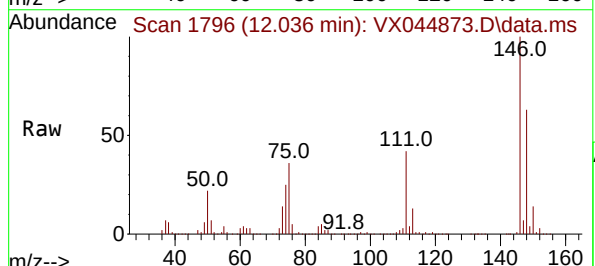
Tgt Ion:146 Resp: 432987

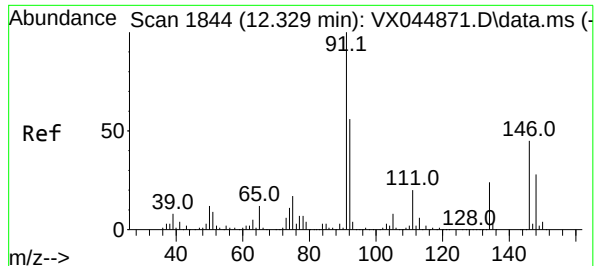
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 63.7 32.0 96.0





#89

n-Butylbenzene

Concen: 167.469 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 82735

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

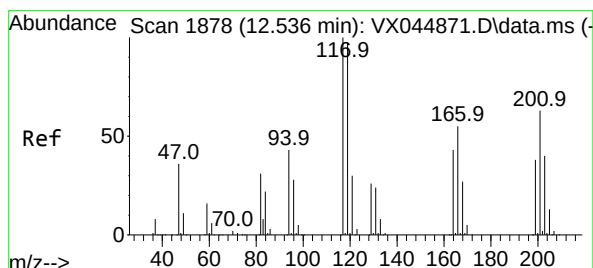
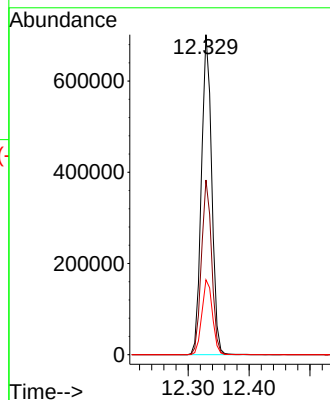
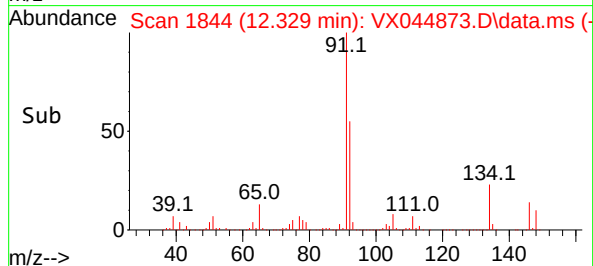
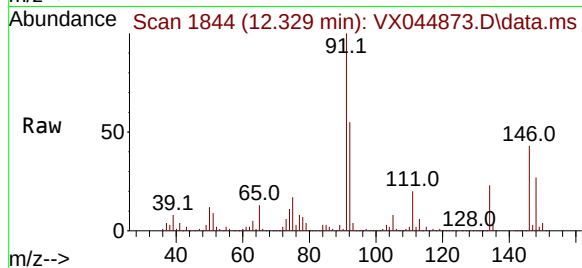
134 24.0 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 167.760 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044873.D

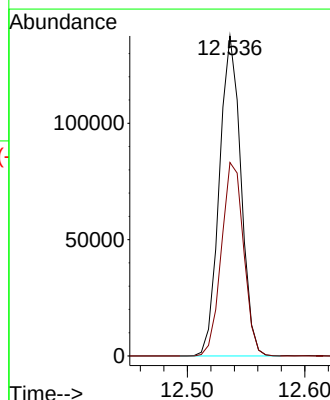
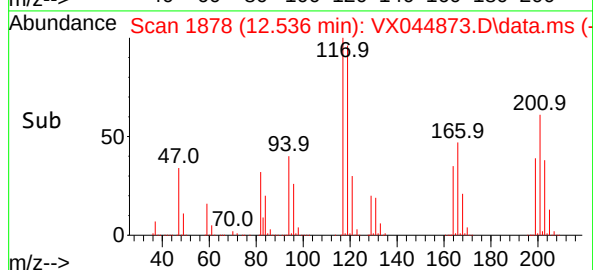
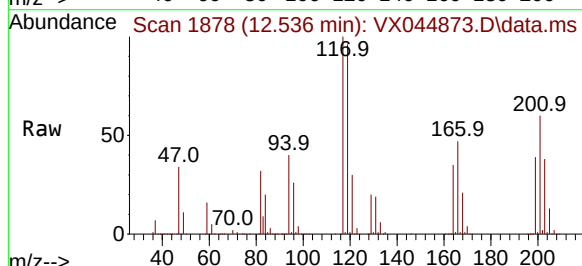
Acq: 10 Feb 2025 12:28

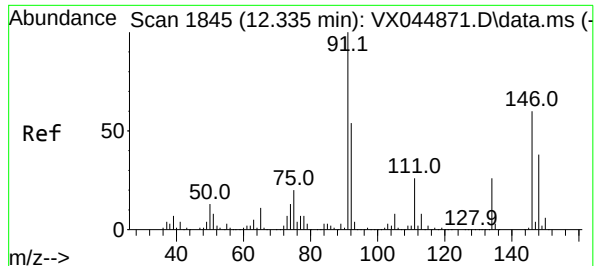
Tgt Ion:117 Resp: 175414

Ion Ratio Lower Upper

117 100

201 62.4 32.5 97.5





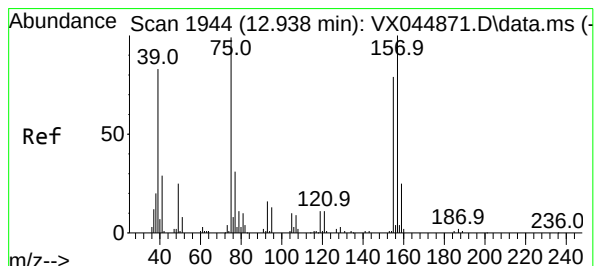
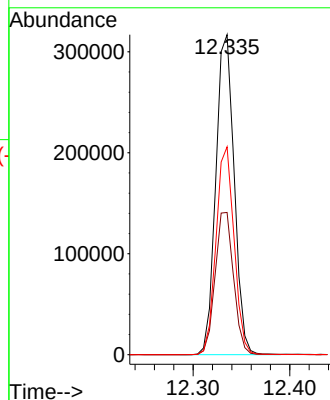
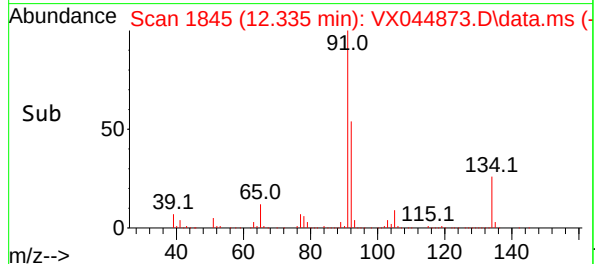
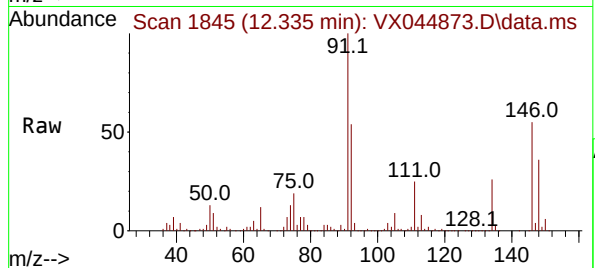
#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 41716
Ion Ratio Lower Upper
146 100
111 44.9 21.8 65.4
148 64.1 31.9 95.9

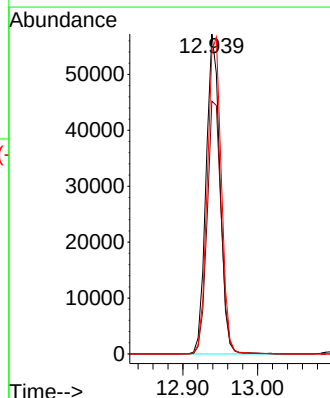
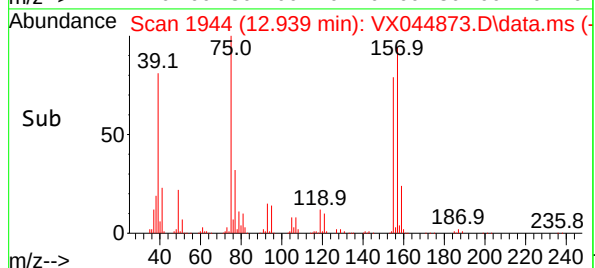
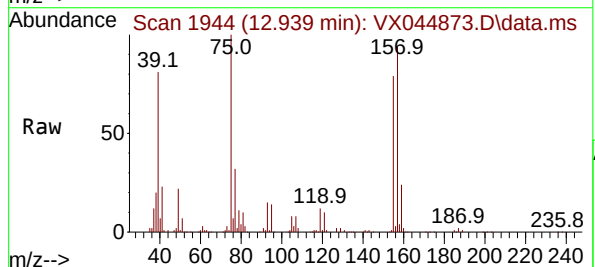
Manual Integrations
APPROVED

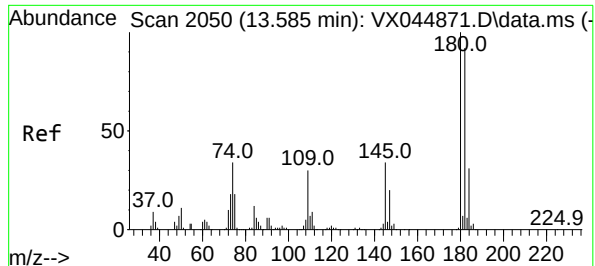
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593
Ion Ratio Lower Upper
75 100
155 80.1 40.5 121.4
157 100.5 51.4 154.3





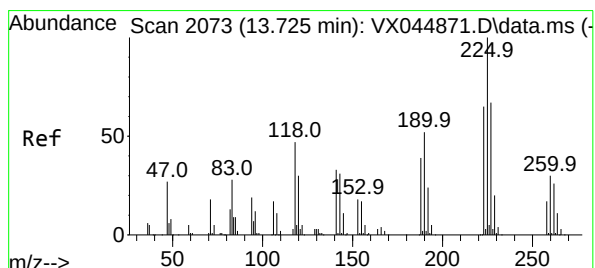
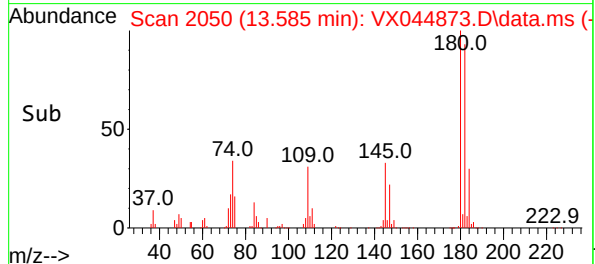
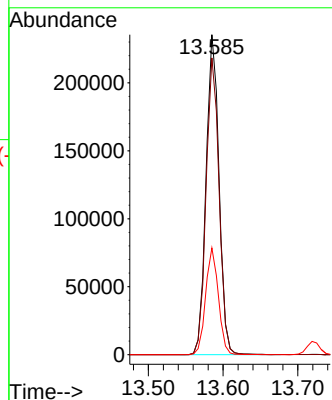
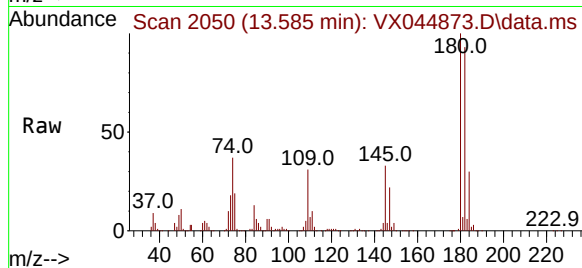
#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 283004
Ion Ratio Lower Upper
180 100
182 93.2 47.6 142.8
145 32.8 16.4 49.1

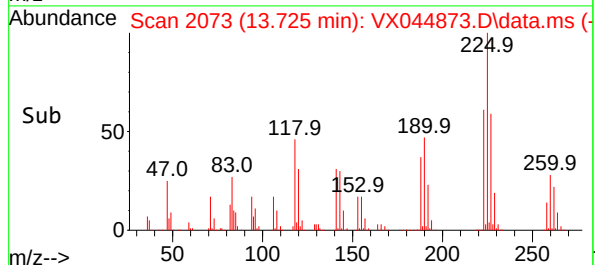
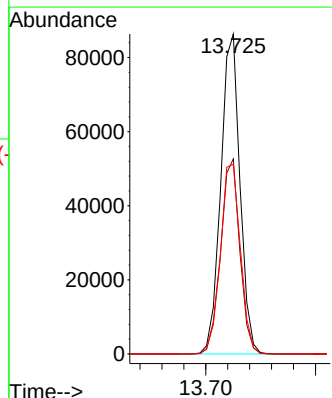
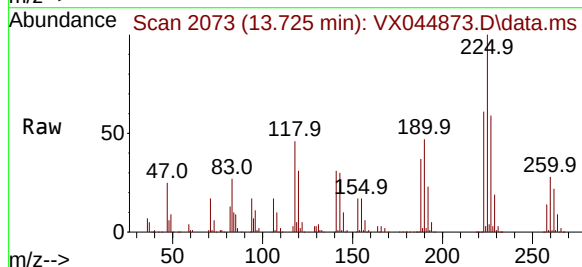
Manual Integrations
APPROVED

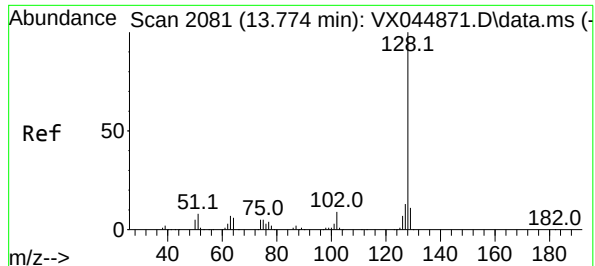
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#94
Hexachlorobutadiene
Concen: 155.682 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:225 Resp: 104674
Ion Ratio Lower Upper
225 100
223 60.9 31.4 94.2
227 61.9 32.3 96.8





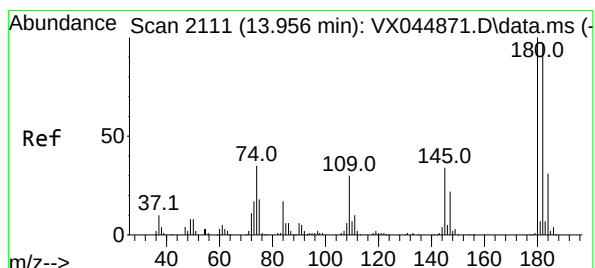
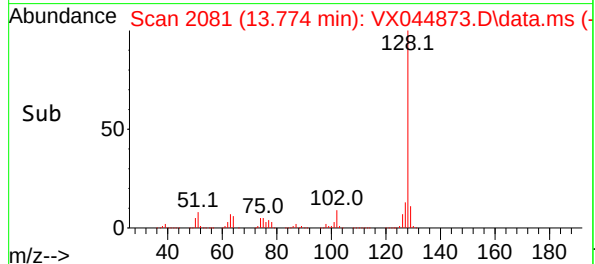
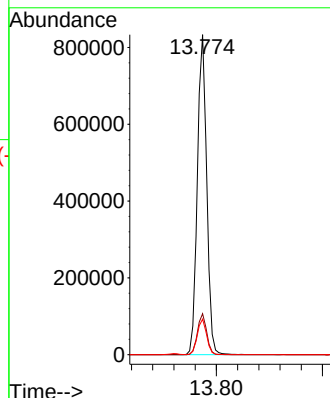
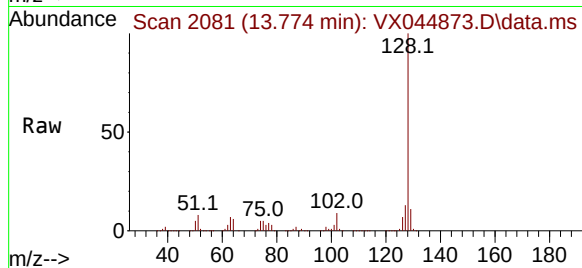
#95
Naphthalene
Concen: 165.916 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 101580
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.9 13.3

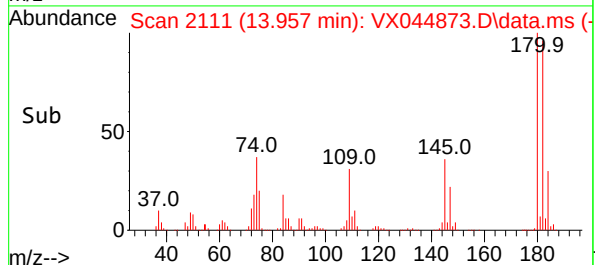
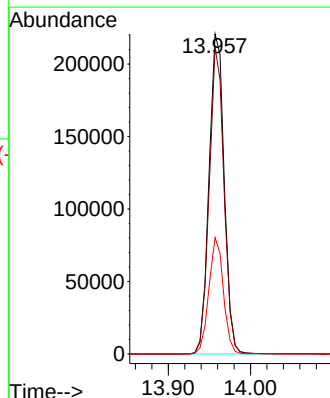
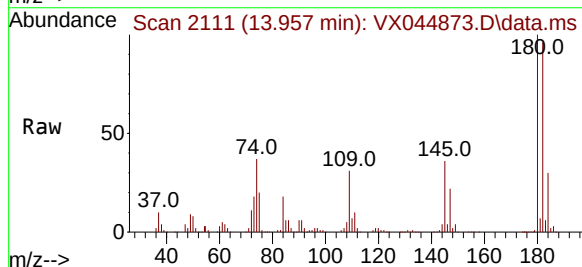
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 165.408 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:180 Resp: 282289
Ion Ratio Lower Upper
180 100
182 93.4 47.9 143.6
145 34.9 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.120%
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.340%
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.580%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l	99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l	100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l	100
44) Trichloroethene	7.116	130	81911	49.917	ug/l	99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l	98
46) Dibromomethane	7.580	93	61360	49.540	ug/l	99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l	99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l	99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l	100
52) Toluene	8.714	92	216682	50.680	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l	100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l	99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l	99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l	99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l	99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l	100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l	98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l	98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l	99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l	100
69) o-Xylene	10.640	106	151995	50.804	ug/l	100
70) Styrene	10.652	104	257972	53.521	ug/l	100
71) Bromoform	10.799	173	59409	53.997	ug/l #	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l	100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	106893m	49.659	ug/l	
77) Bromobenzene	11.195	156	88129	49.725	ug/l	100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l	99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l	99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l	100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l	100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l	100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l	100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l	100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l	99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l	98
95) Naphthalene	13.774	128	371576	53.033	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025

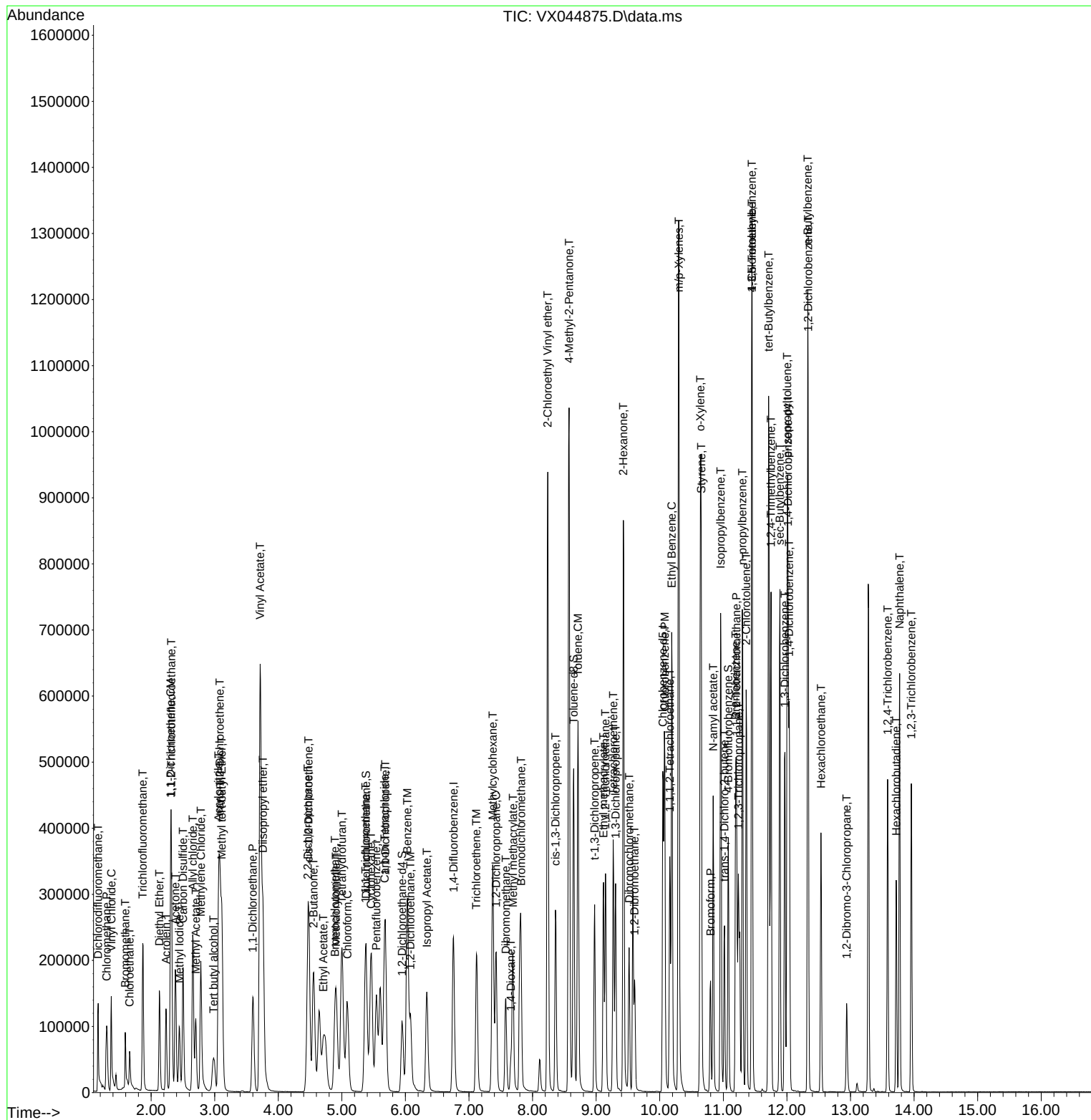
Quant Time: Feb 11 06:02:06 2025

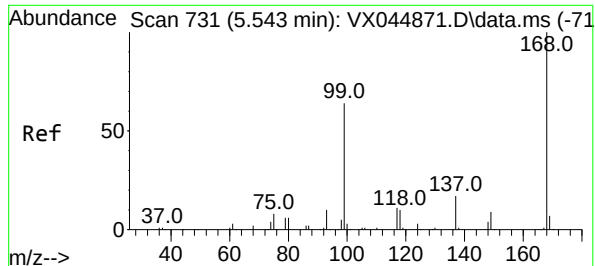
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Quant Title : SW846 8260

QLast Update : Tue Feb 11 03:41:08 2025

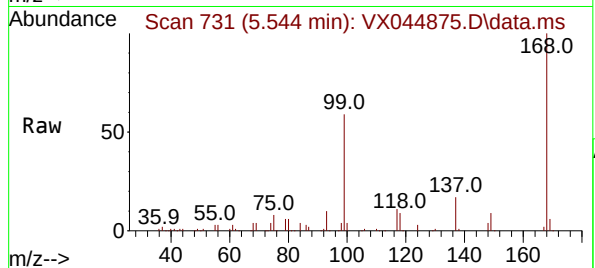
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

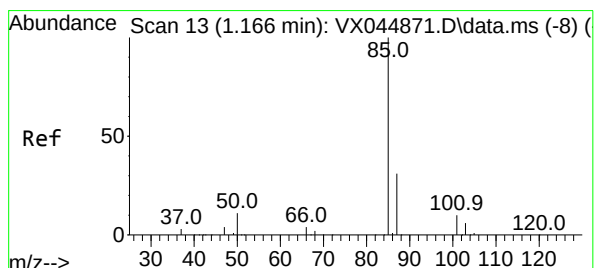
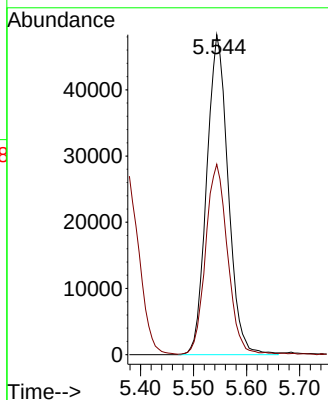
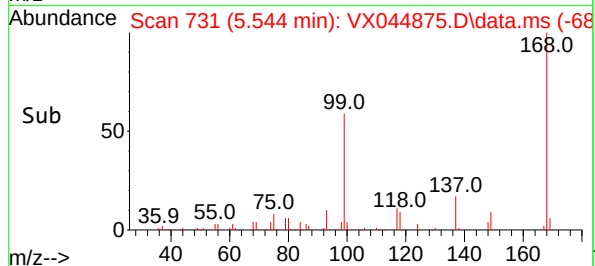
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion: 168 Resp: 135936
Ion Ratio Lower Upper
168 100
99 59.3 51.2 76.8

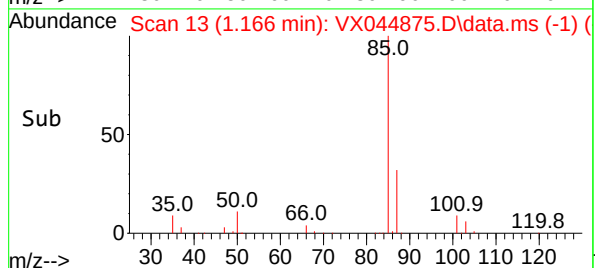
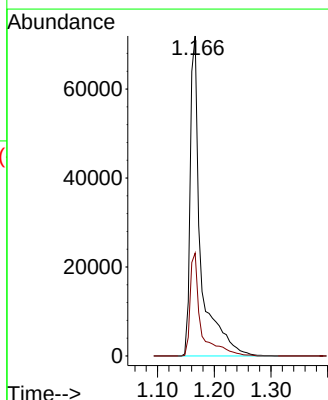
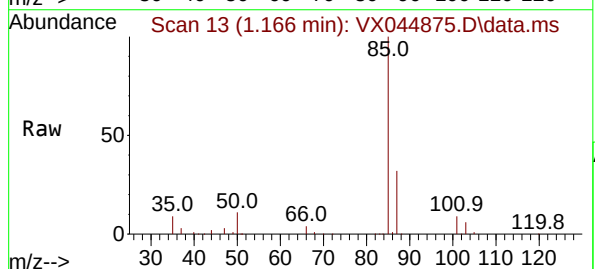
Manual Integrations
APPROVED

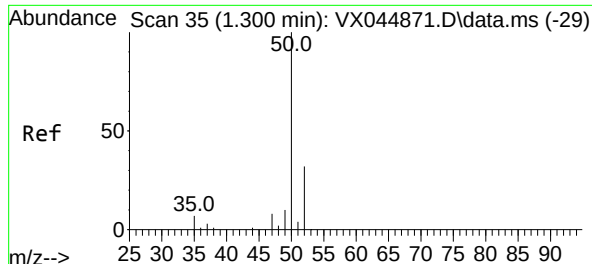
Reviewed By : John Carlone 02/11/2025
Supervised By : Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 85 Resp: 93752
Ion Ratio Lower Upper
85 100
87 32.1 15.8 47.3





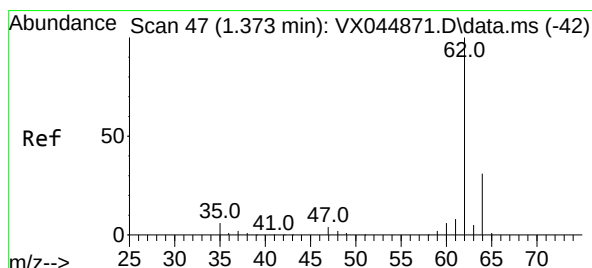
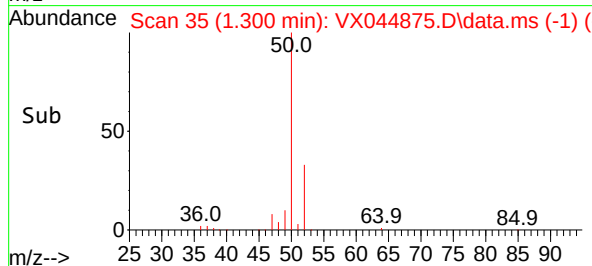
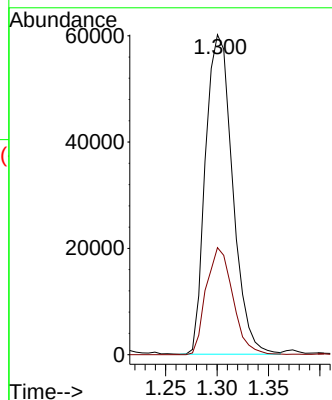
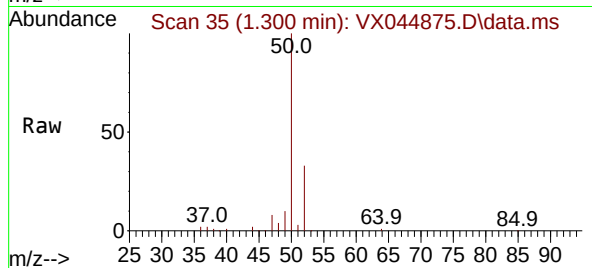
#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 50 Resp: 11043
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9

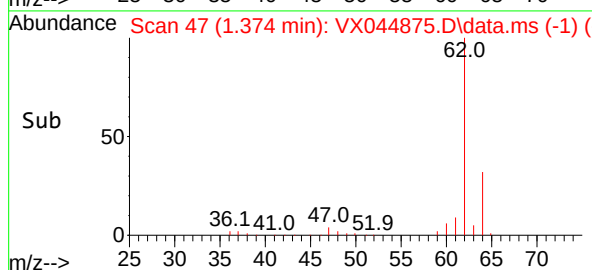
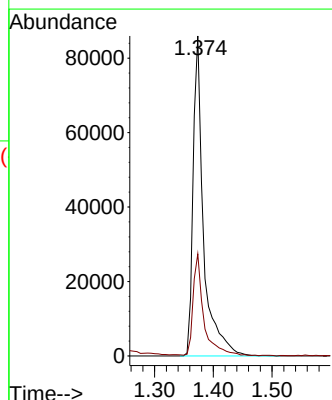
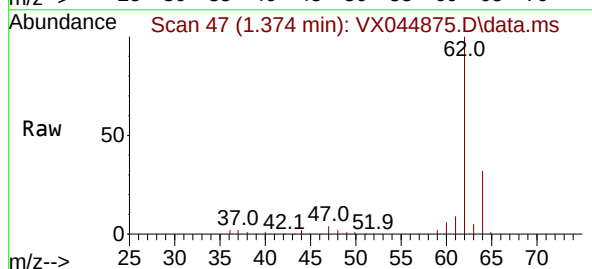
Manual Integrations
APPROVED

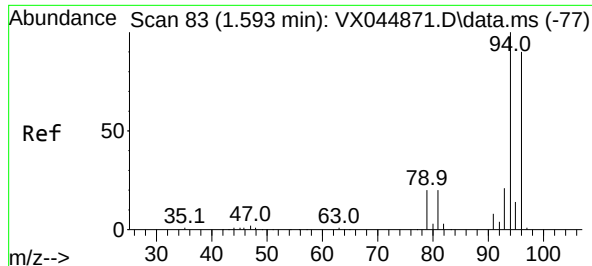
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





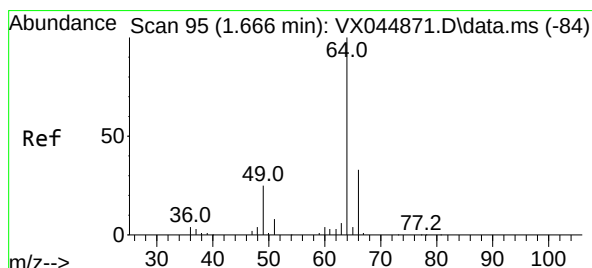
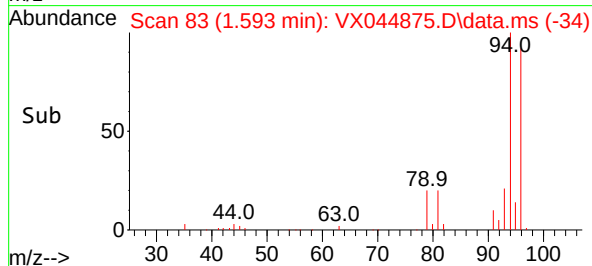
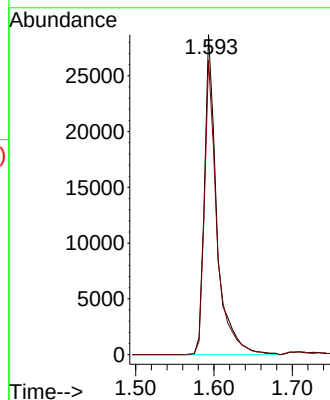
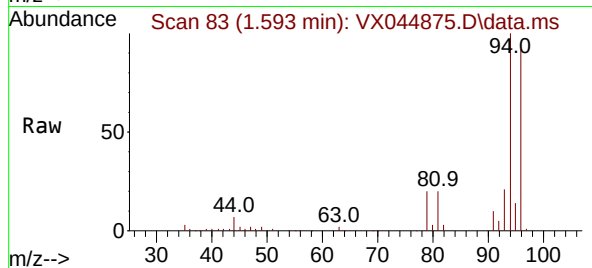
#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 94 Resp: 31428
Ion Ratio Lower Upper
94 100
96 92.0 71.6 107.4

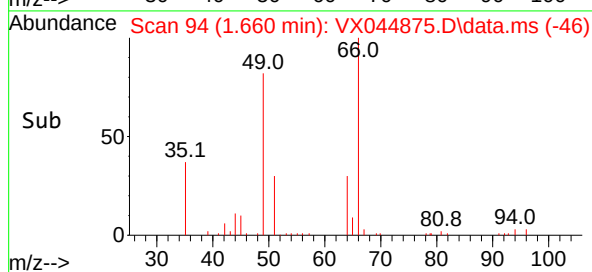
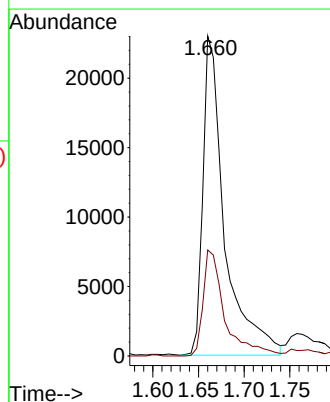
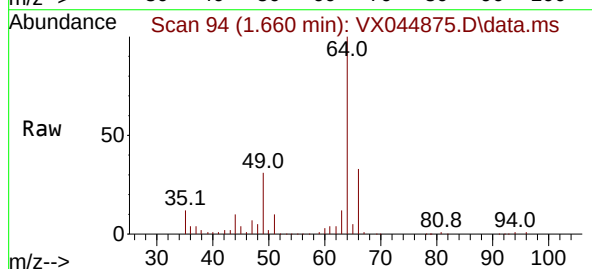
Manual Integrations
APPROVED

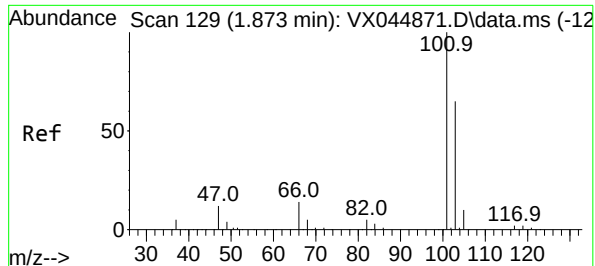
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913
Ion Ratio Lower Upper
64 100
66 33.2 25.9 38.9





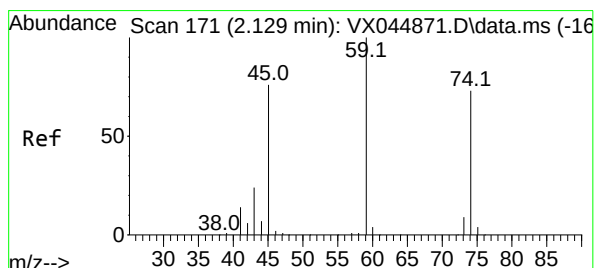
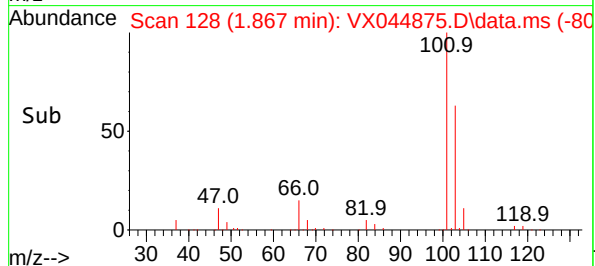
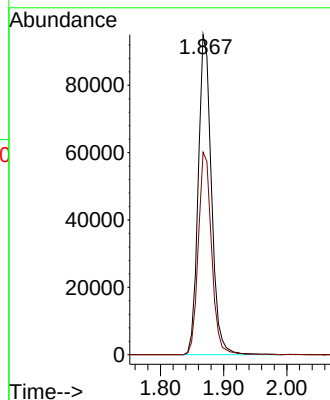
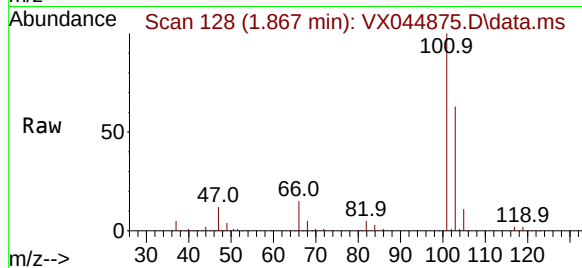
#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:101 Resp: 13804
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6

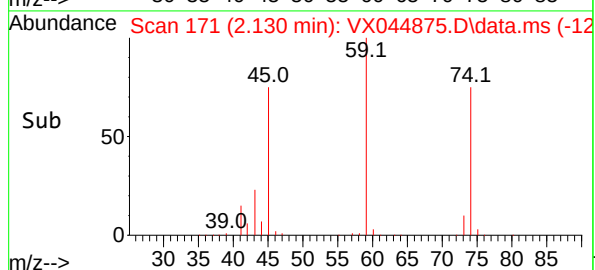
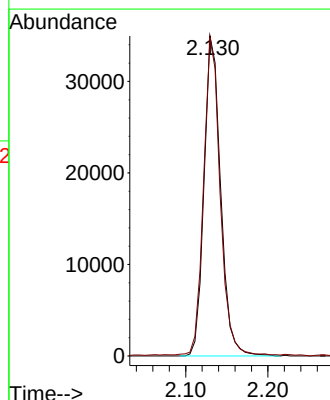
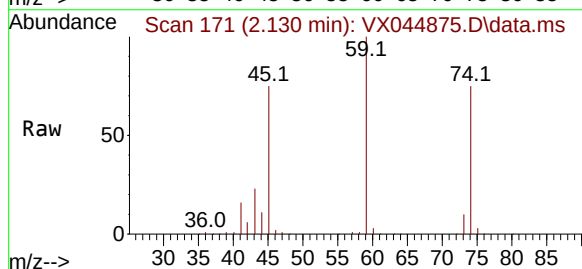
Manual Integrations
APPROVED

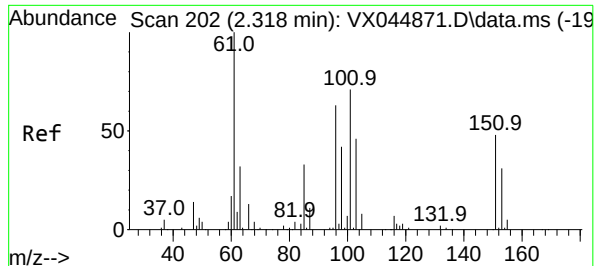
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 47.544 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018
Ion Ratio Lower Upper
74 100
45 98.9 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.588 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

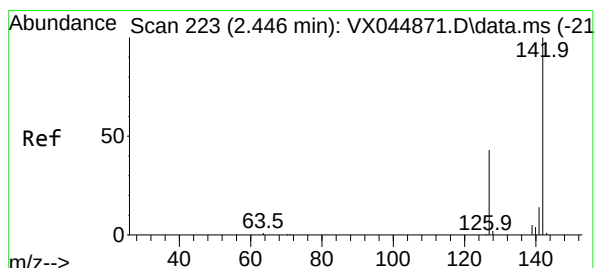
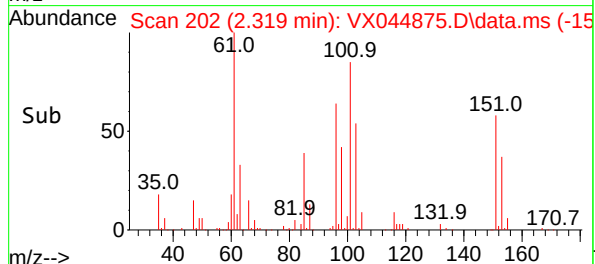
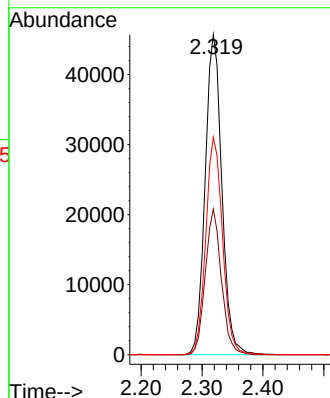
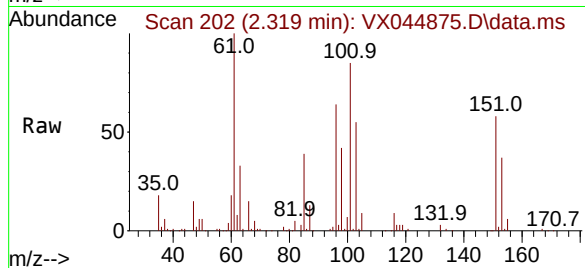
Tgt Ion:	101	Resp:	8689
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.7	53.5
151	68.4	56.0	84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 50.082 ug/l

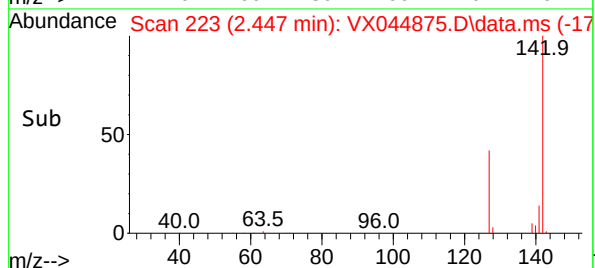
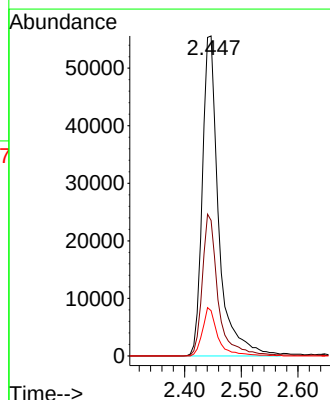
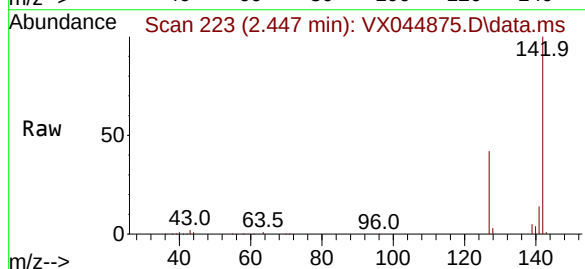
RT: 2.447 min Scan# 223

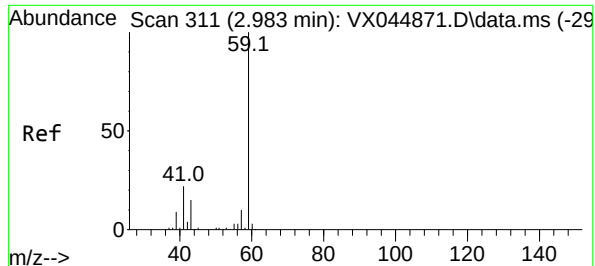
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	142	Resp:	111488
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.3	51.5
141	14.3	11.4	17.2





#11

Tert butyl alcohol

Concen: 251.791 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 59 Resp: 92949

Ion Ratio Lower Upper

59 100

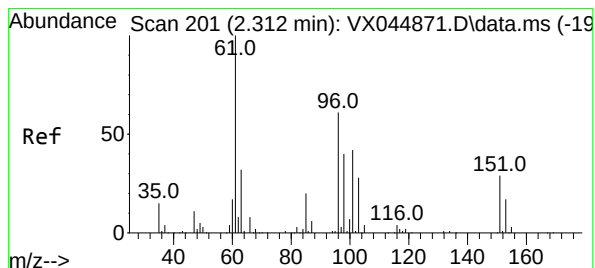
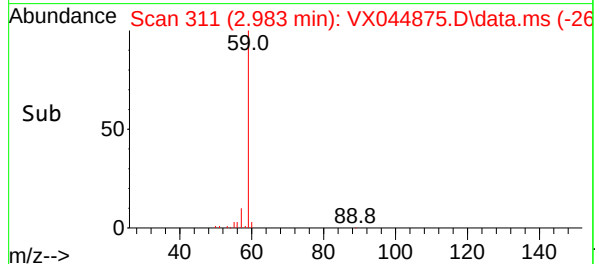
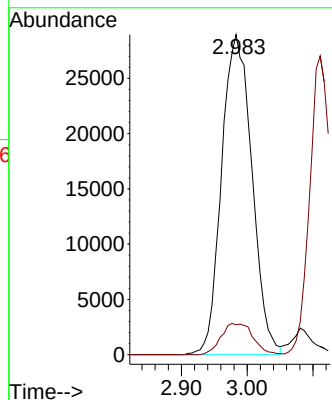
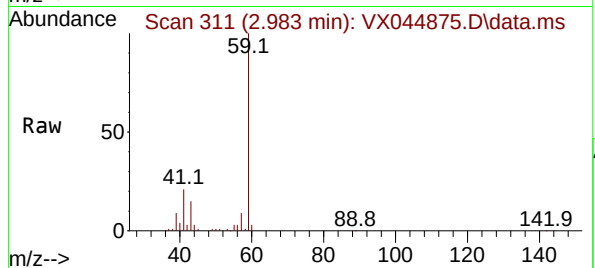
57 10.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 47.935 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

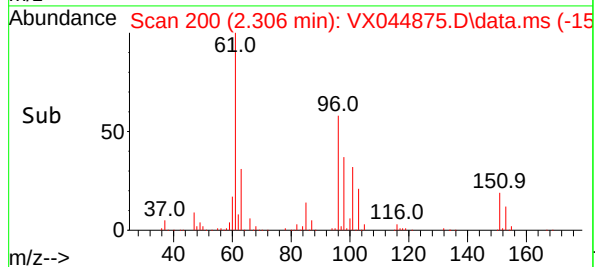
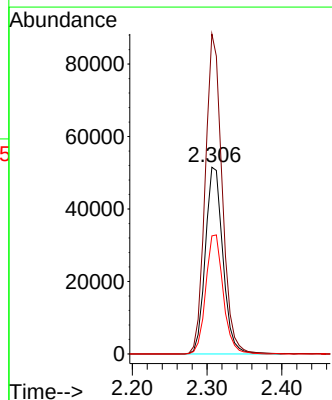
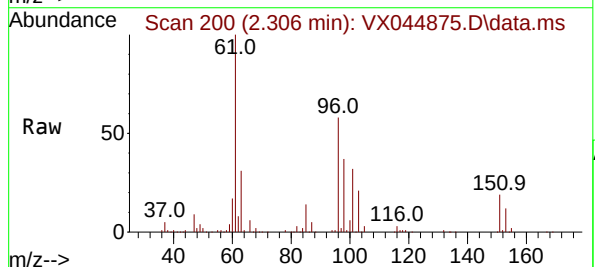
Tgt Ion: 96 Resp: 83987

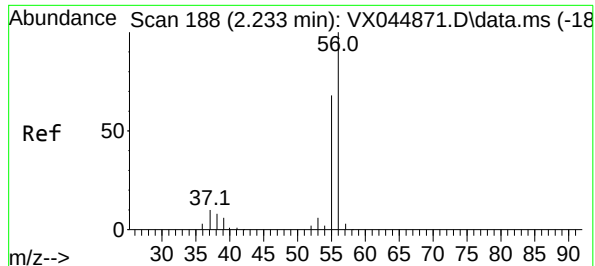
Ion Ratio Lower Upper

96 100

61 171.4 130.2 195.4

98 63.3 52.2 78.4





#13

Acrolein

Concen: 240.879 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 56 Resp: 91744

Ion Ratio Lower Upper

56 100

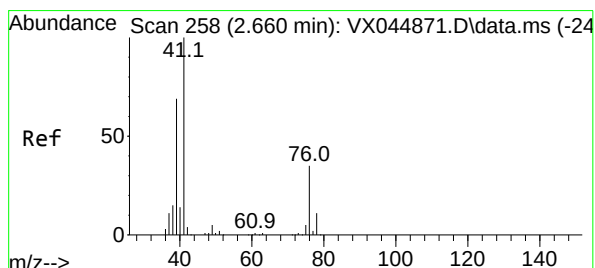
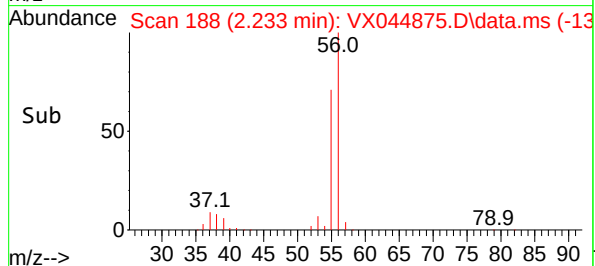
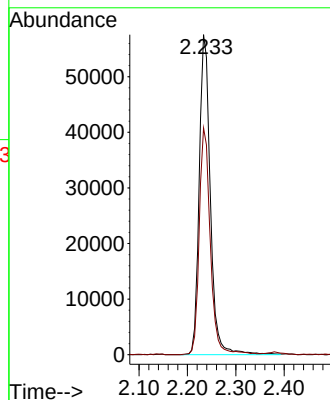
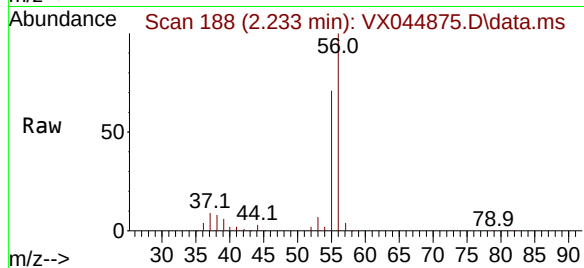
55 71.0 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 48.976 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

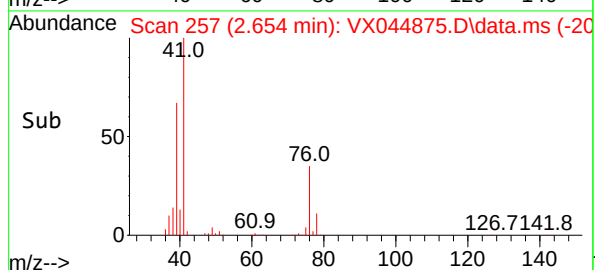
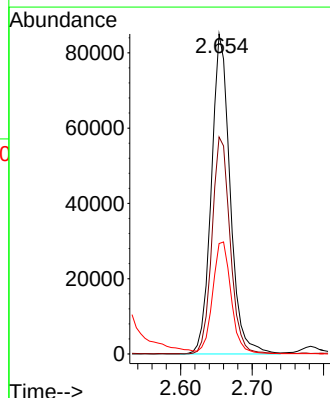
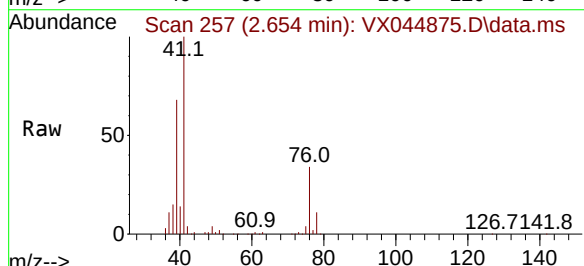
Tgt Ion: 41 Resp: 155084

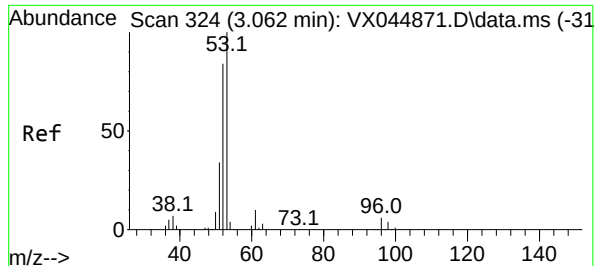
Ion Ratio Lower Upper

41 100

39 65.4 51.4 77.2

76 34.2 27.0 40.4





#15

Acrylonitrile

Concen: 251.537 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

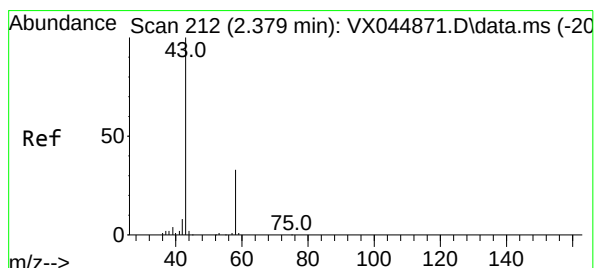
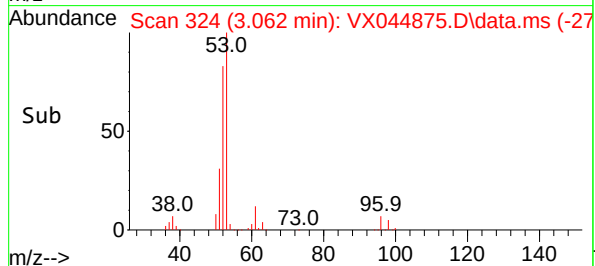
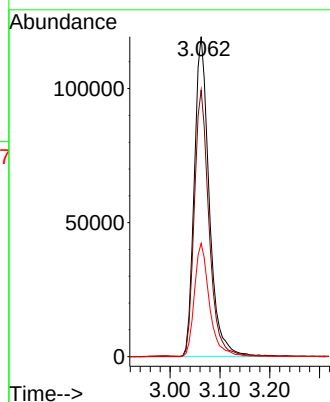
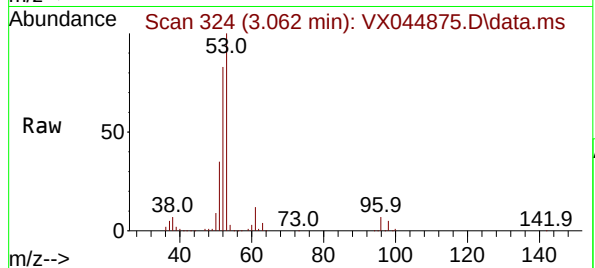
ICVX021025

Tgt Ion:	53	Resp:	24792
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 257.198 ug/l

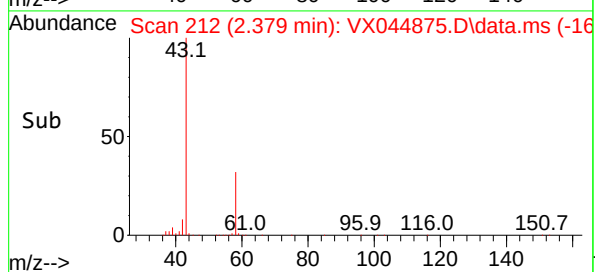
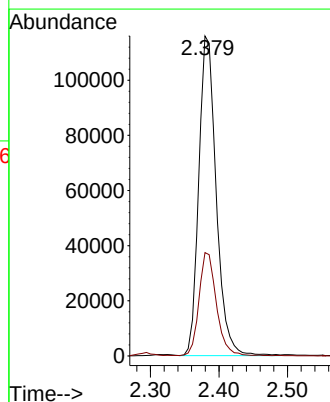
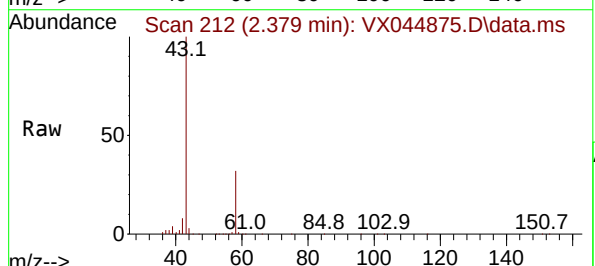
RT: 2.379 min Scan# 212

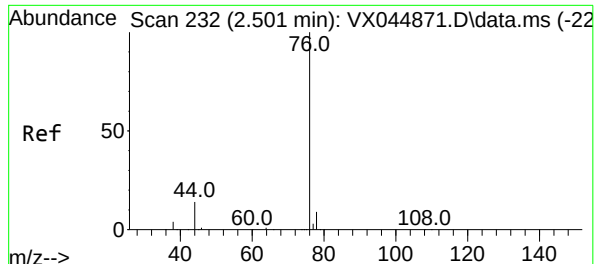
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	43	Resp:	205743
Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.5	39.7





#17

Carbon Disulfide

Concen: 49.472 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 76 Resp: 237694

Ion Ratio Lower Upper

76 100

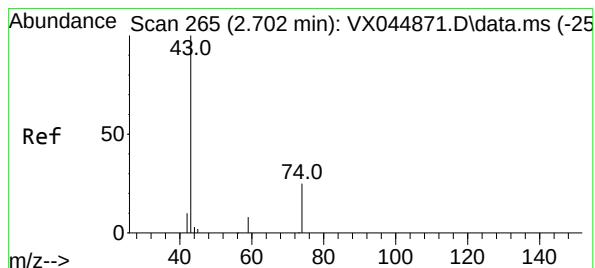
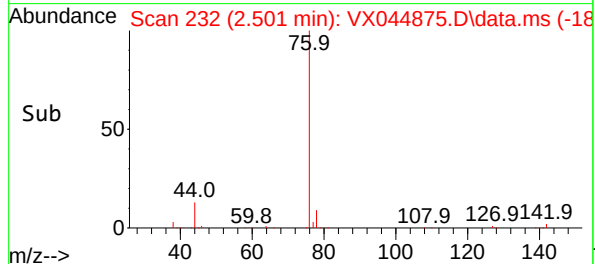
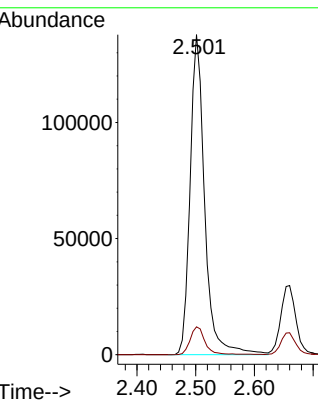
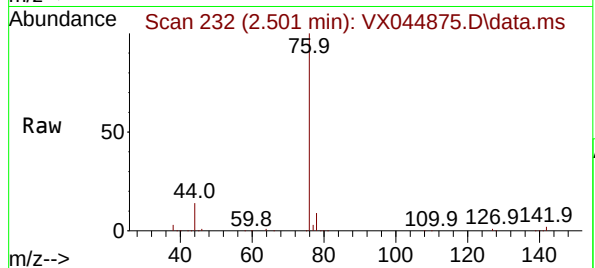
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 49.920 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044875.D

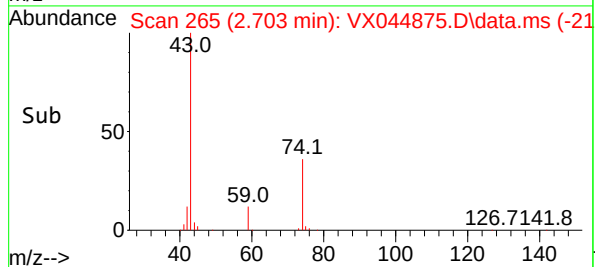
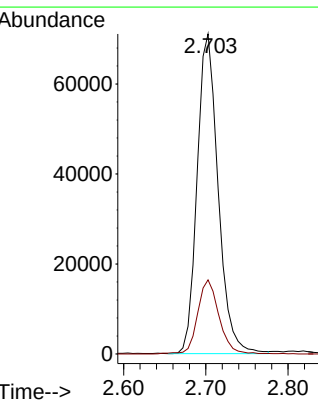
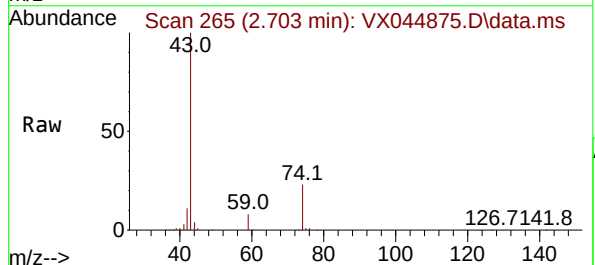
Acq: 10 Feb 2025 13:15

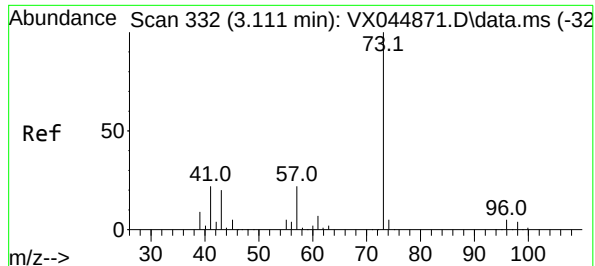
Tgt Ion: 43 Resp: 126015

Ion Ratio Lower Upper

43 100

74 23.7 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.453 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 73 Resp: 27568

Ion Ratio Lower Upper

73 100

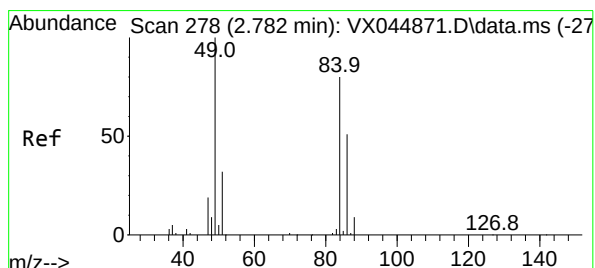
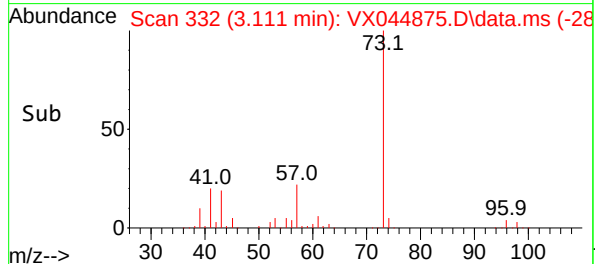
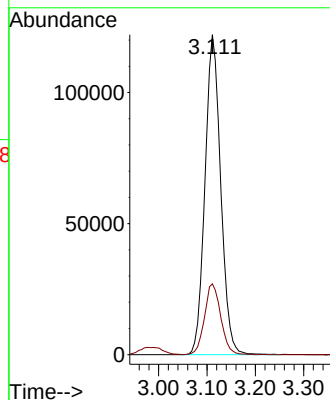
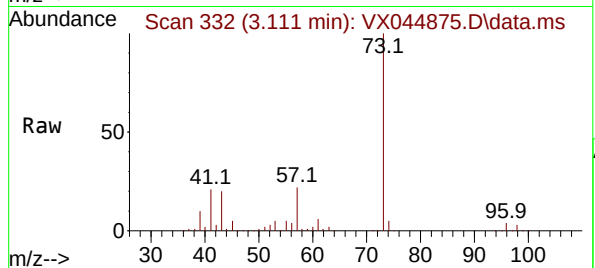
57 22.2 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 47.978 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion: 84 Resp: 94006

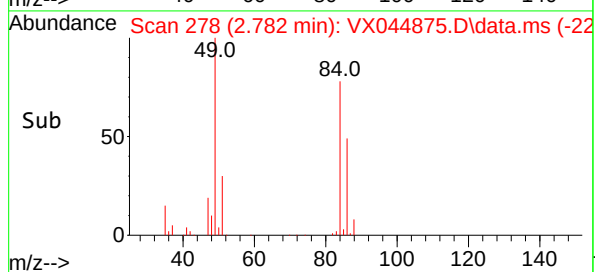
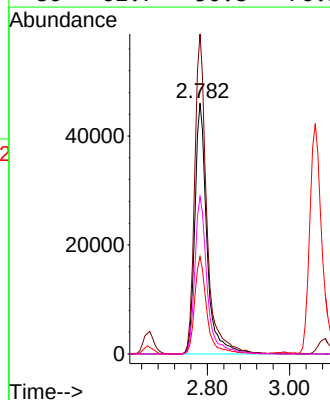
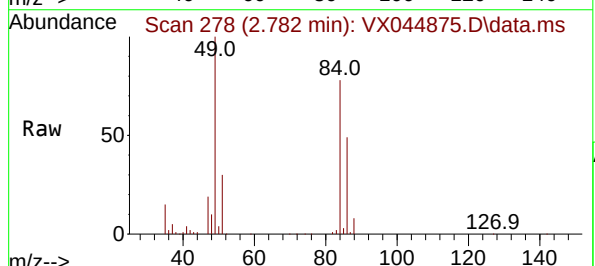
Ion Ratio Lower Upper

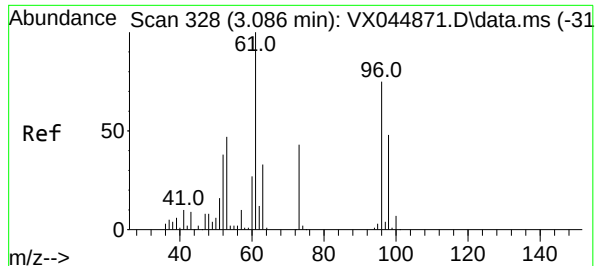
84 100

49 127.6 100.1 150.1

51 38.8 31.7 47.5

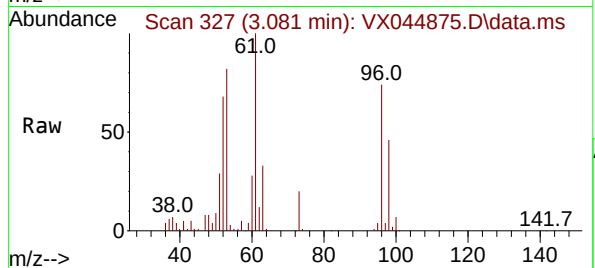
86 62.7 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

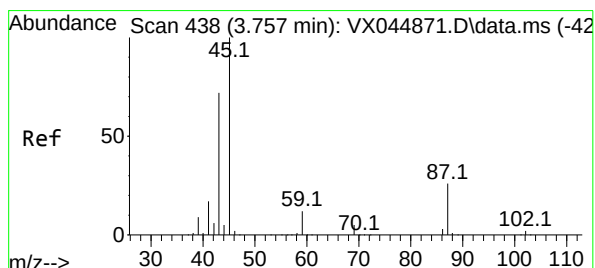
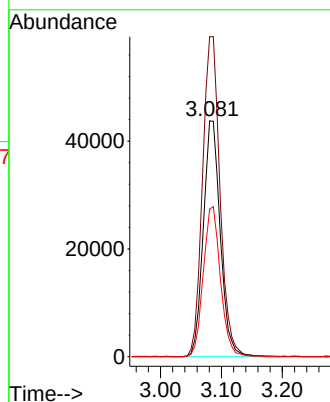
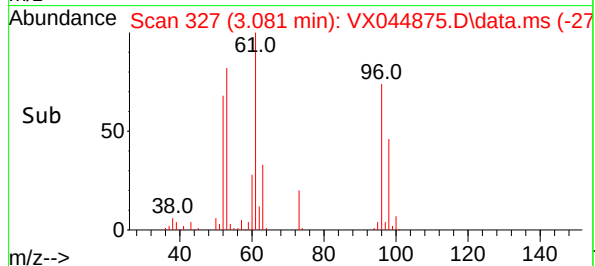
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion: 96 Resp: 84720
Ion Ratio Lower Upper
96 100
61 135.7 106.0 159.0
98 62.5 50.6 76.0

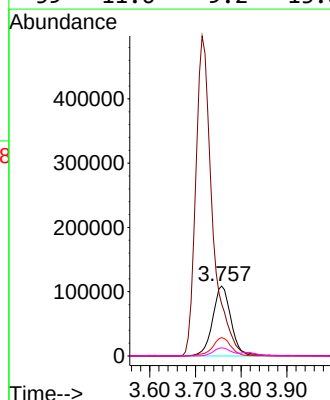
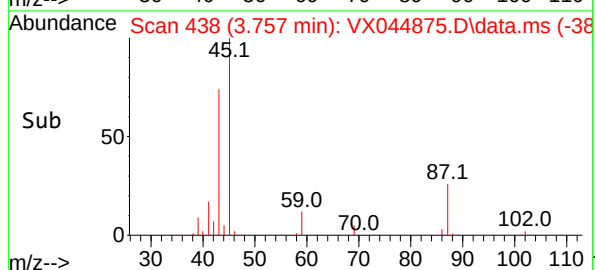
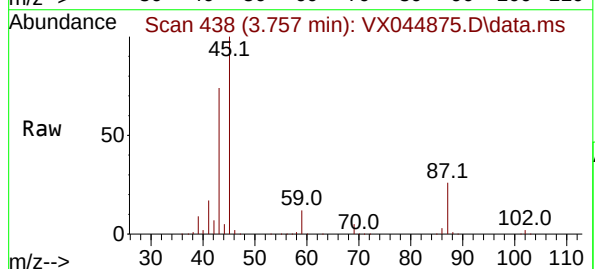
Manual Integrations
APPROVED

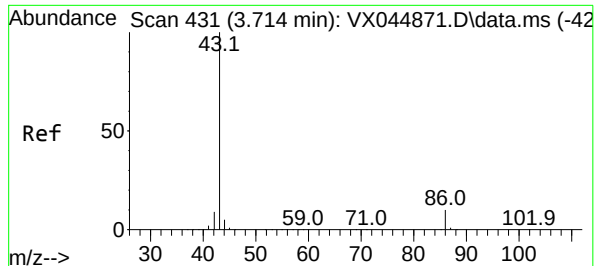
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357
Ion Ratio Lower Upper
45 100
43 74.3 58.0 87.0
87 26.4 20.7 31.1
59 11.6 9.2 13.8





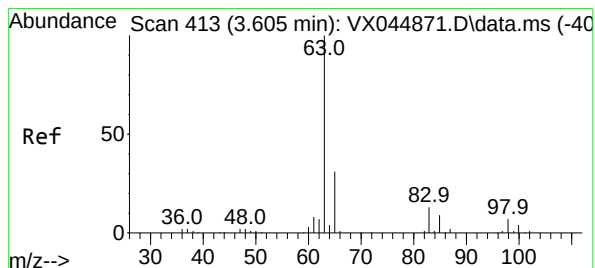
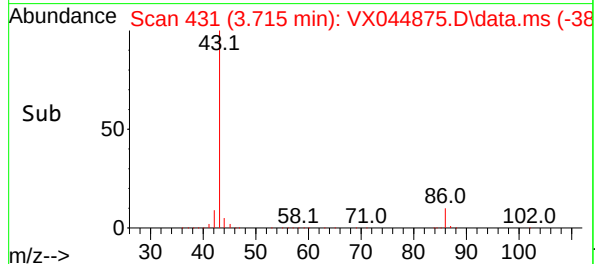
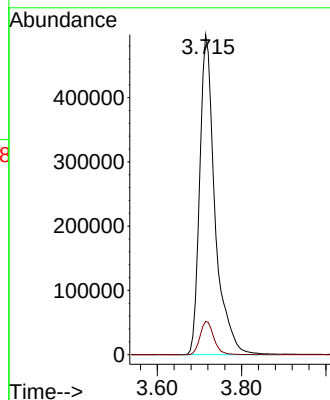
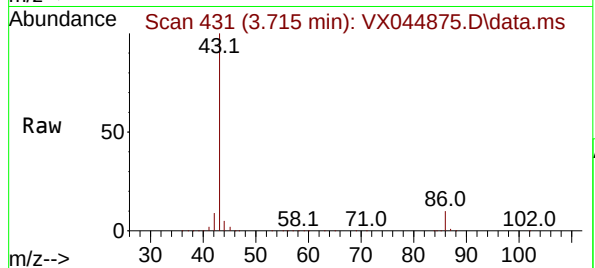
#23
Vinyl Acetate
Concen: 257.465 ug/l
RT: 3.715 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 43 Resp: 125743
Ion Ratio Lower Upper
43 100
86 10.4 8.3 12.5

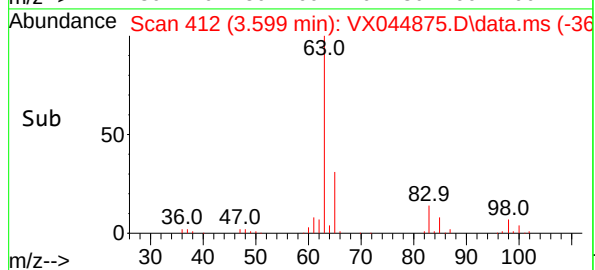
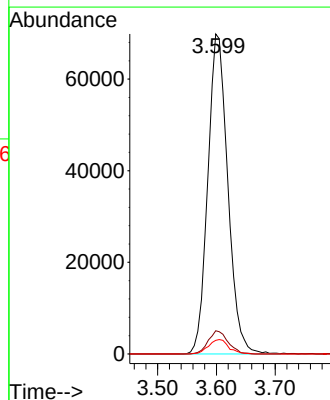
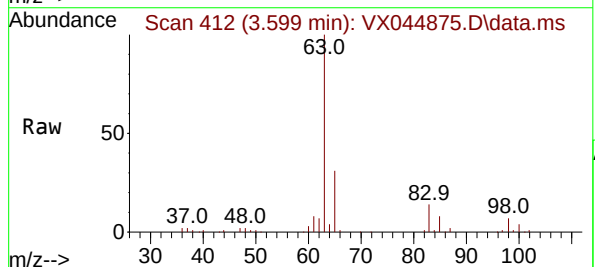
Manual Integrations
APPROVED

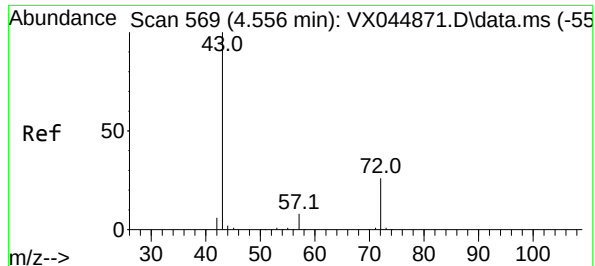
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#24
1,1-Dichloroethane
Concen: 49.329 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 165351
Ion Ratio Lower Upper
63 100
98 7.3 3.3 9.9
100 4.2 2.1 6.5





#25

2-Butanone

Concen: 258.175 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 43 Resp: 33535

Ion Ratio Lower Upper

43 100

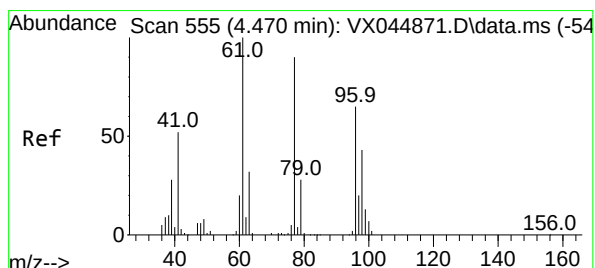
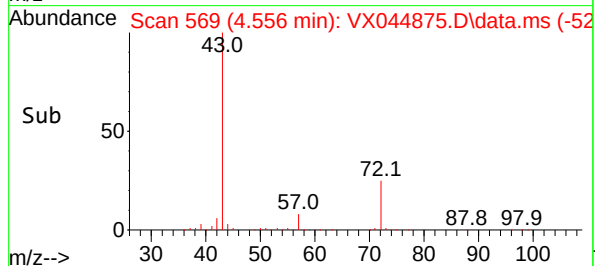
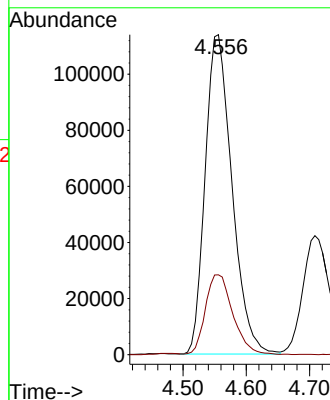
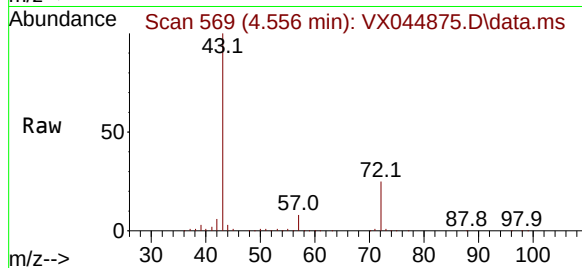
72 24.9 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 50.285 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX044875.D

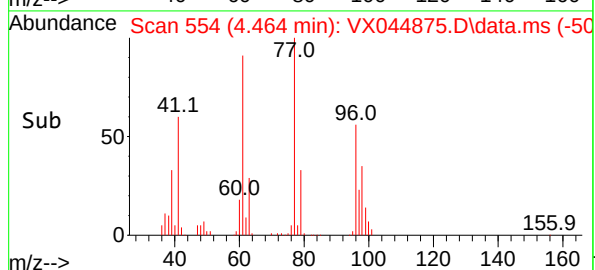
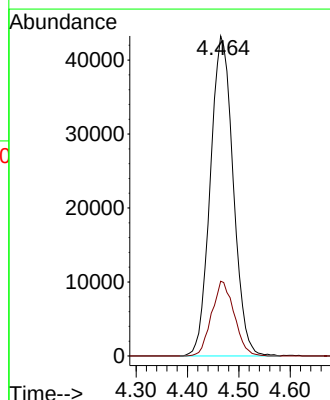
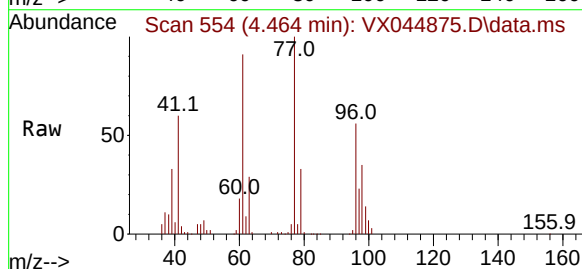
Acq: 10 Feb 2025 13:15

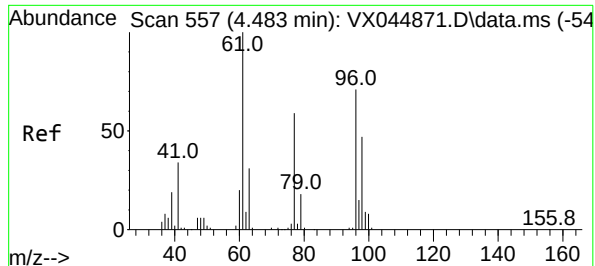
Tgt Ion: 77 Resp: 133670

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.493 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 96 Resp: 102518

Ion Ratio Lower Upper

96 100

61 146.5 0.0 294.0

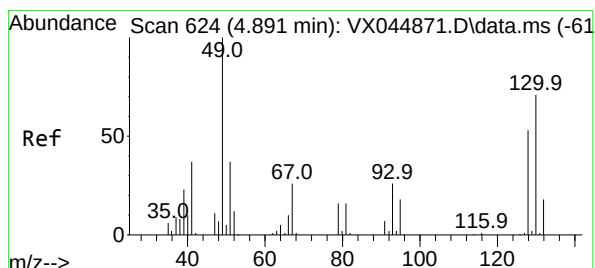
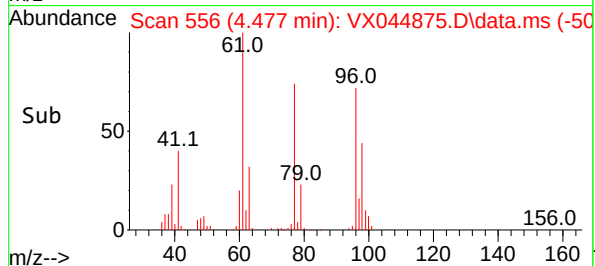
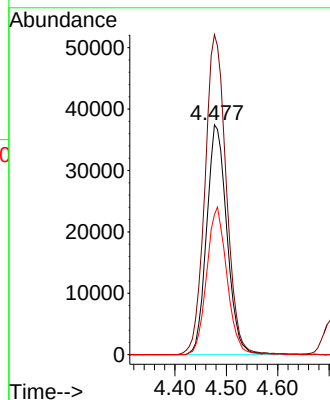
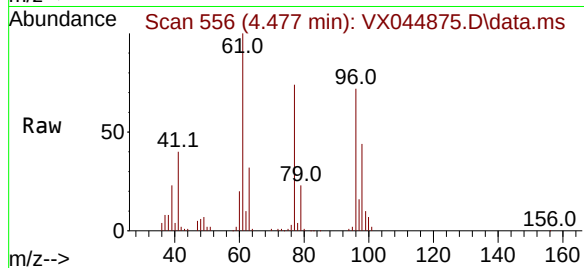
98 63.9 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 45.250 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

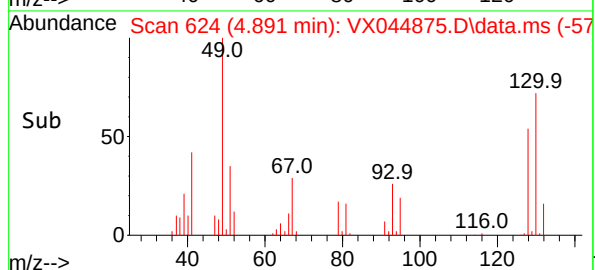
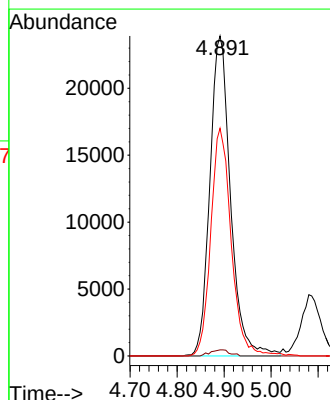
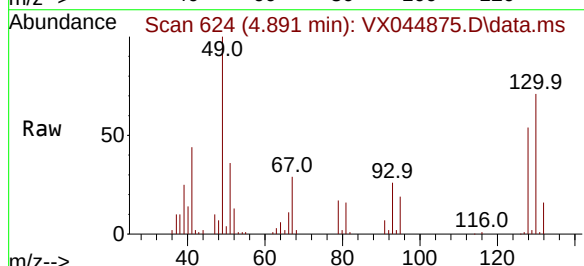
Tgt Ion: 49 Resp: 72893

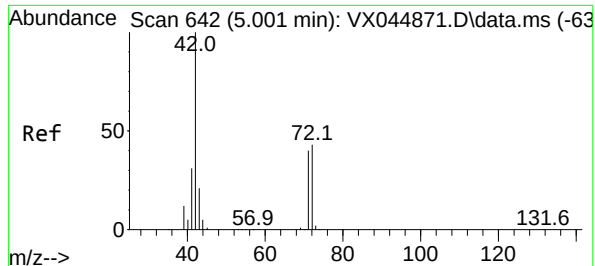
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 70.3 56.7 85.1





#29

Tetrahydrofuran

Concen: 253.318 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 42 Resp: 218490

Ion Ratio Lower Upper

42 100

72 43.6 35.0 52.4

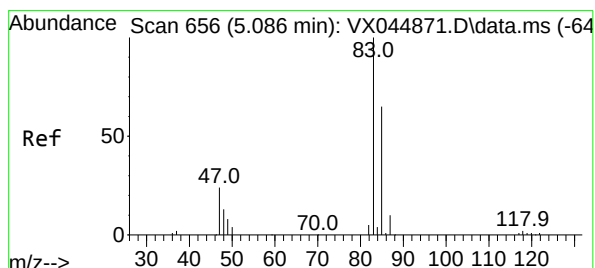
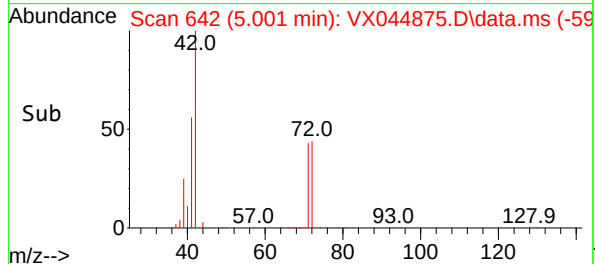
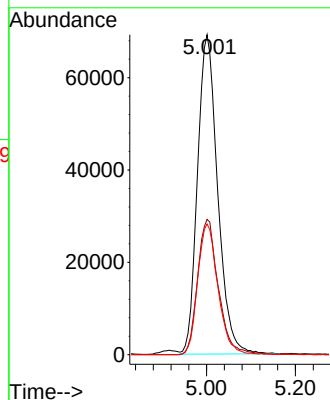
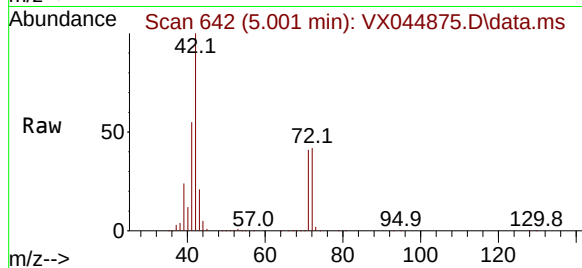
71 41.1 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 48.393 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044875.D

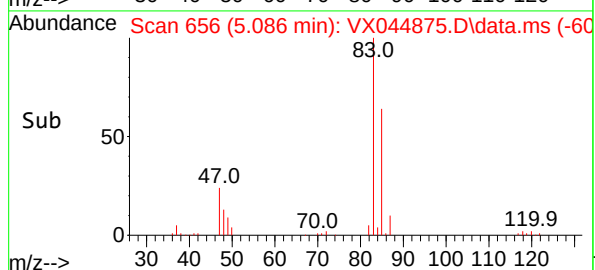
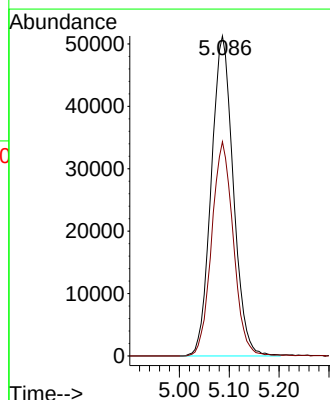
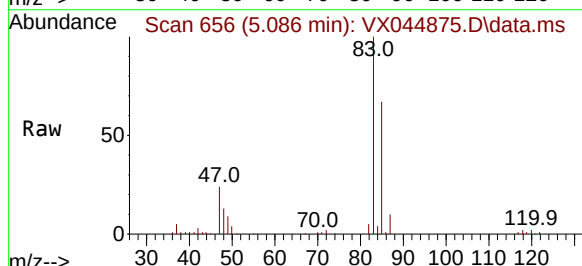
Acq: 10 Feb 2025 13:15

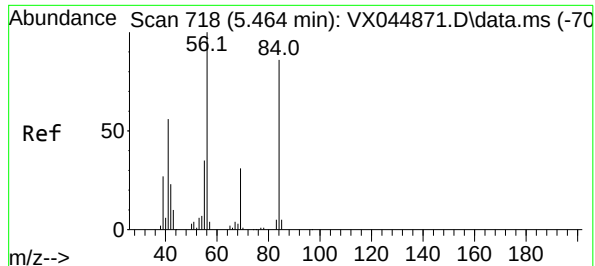
Tgt Ion: 83 Resp: 157312

Ion Ratio Lower Upper

83 100

85 66.9 52.1 78.1





#31

Cyclohexane

Concen: 49.211 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX044875.D

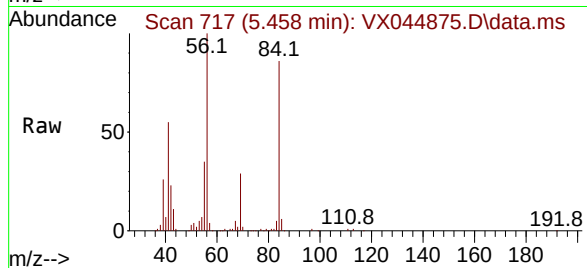
Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025



Tgt Ion: 56 Resp: 15207

Ion Ratio Lower Upper

56 100

69 29.4 24.4 36.6

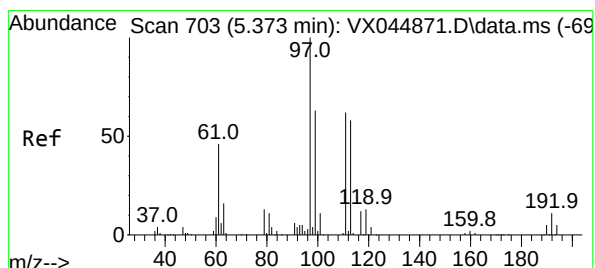
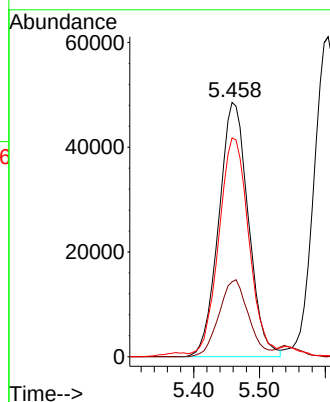
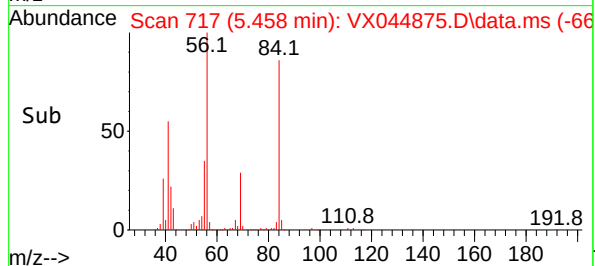
84 84.6 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 48.825 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

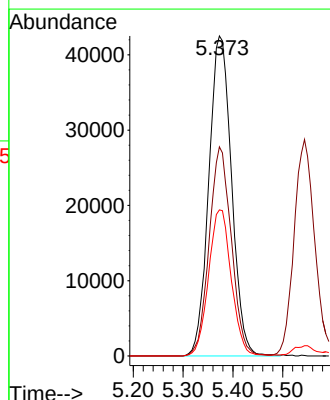
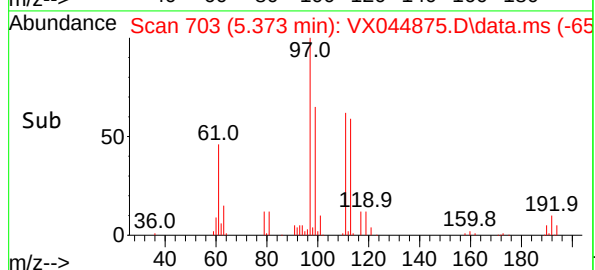
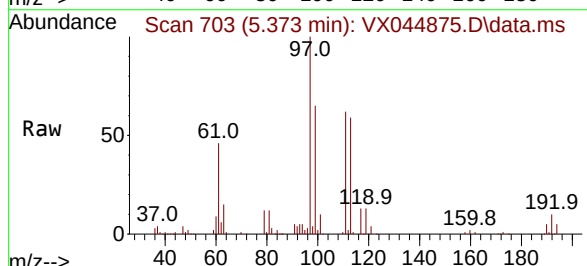
Tgt Ion: 97 Resp: 134626

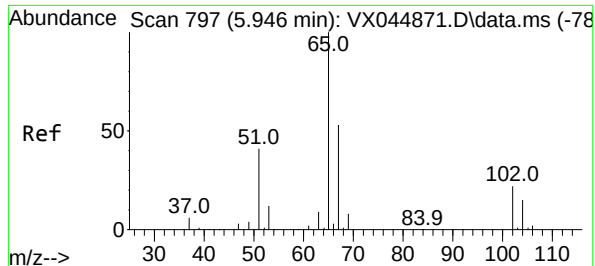
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.061 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

Client Sample Id :

ICVX021025

Tgt Ion: 65 Resp: 9563

Ion Ratio Lower Upper

65 100

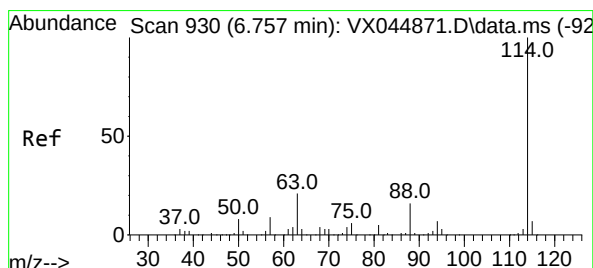
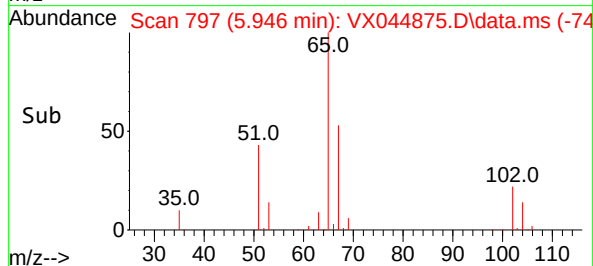
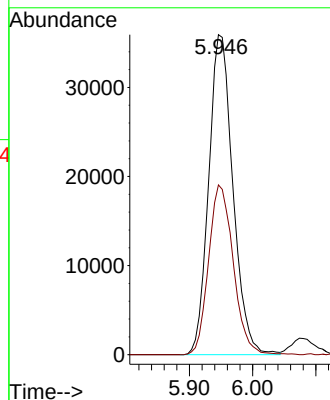
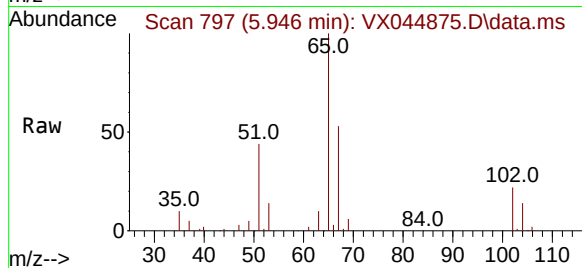
67 54.0 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

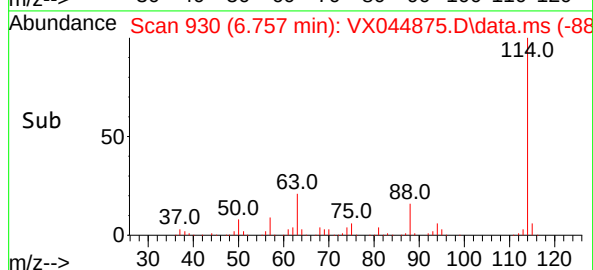
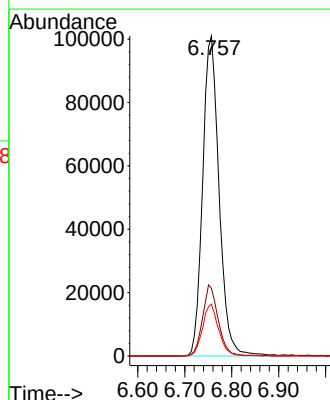
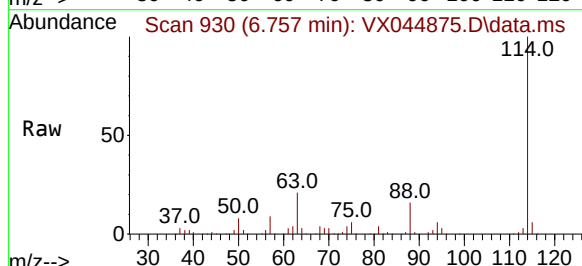
Tgt Ion:114 Resp: 245098

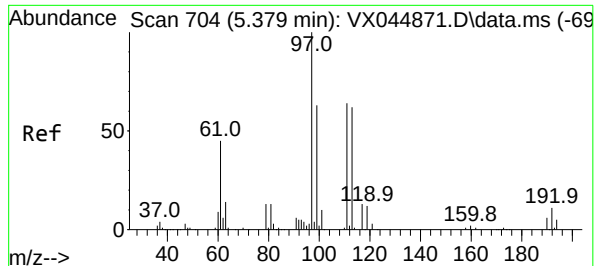
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.173 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:113 Resp: 78360

Ion Ratio Lower Upper

113 100

111 104.4 83.5 125.3

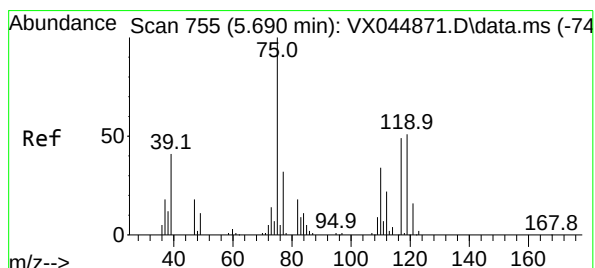
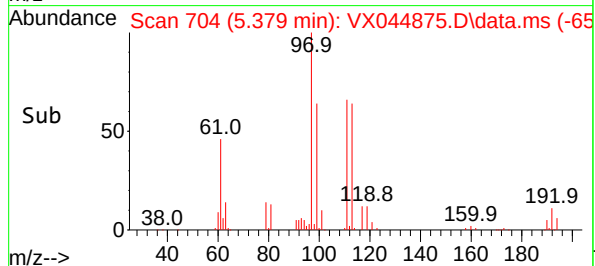
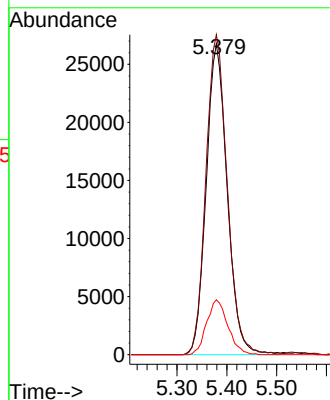
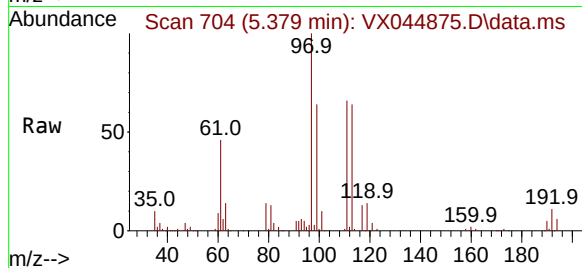
192 17.9 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 48.702 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

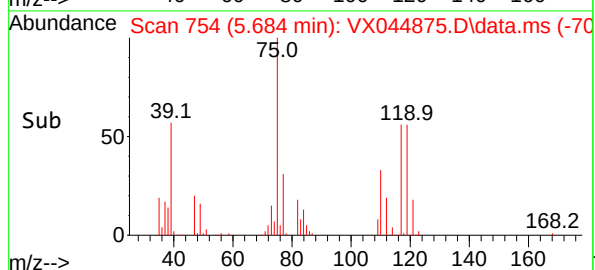
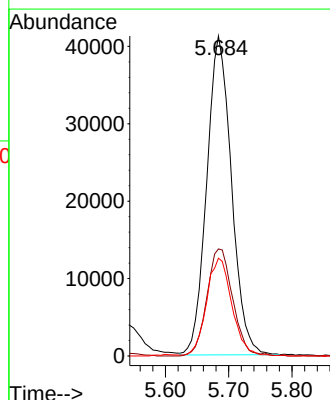
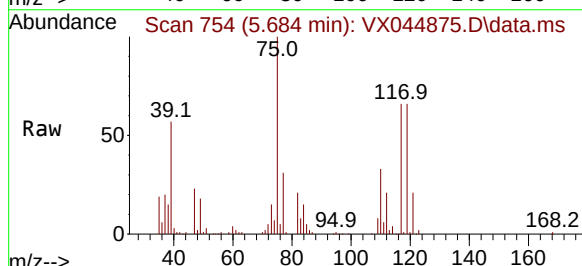
Tgt Ion: 75 Resp: 111968

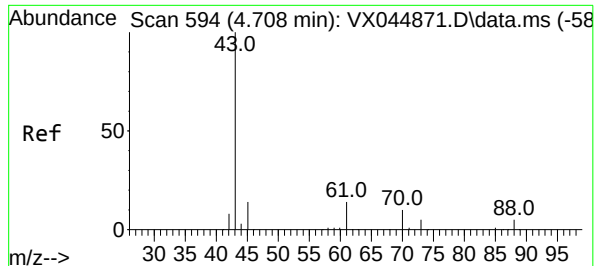
Ion Ratio Lower Upper

75 100

110 35.0 17.2 51.6

77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 49.300 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

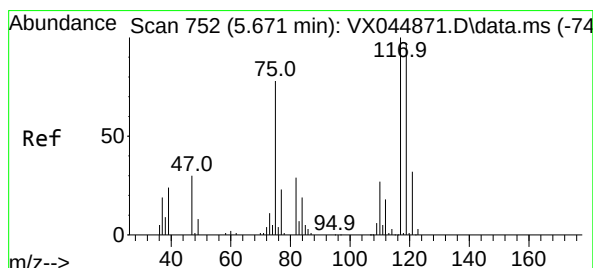
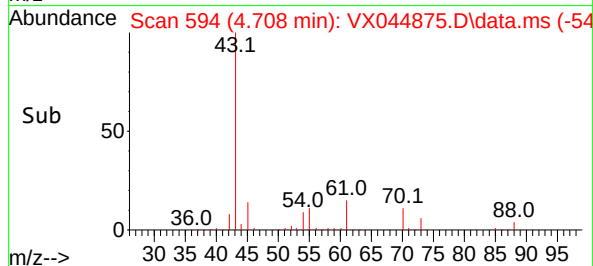
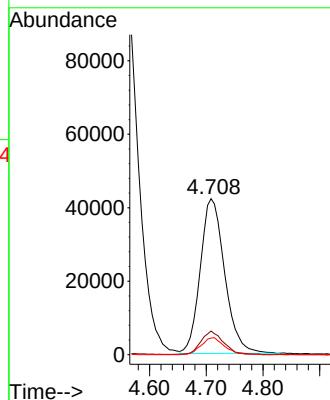
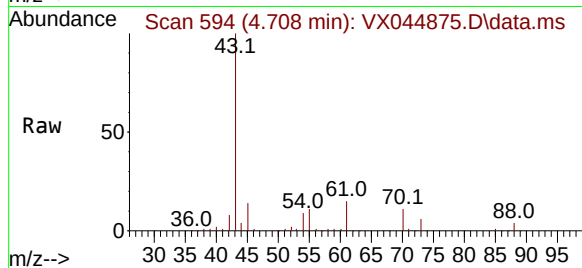
ICVX021025

Tgt Ion:	43	Resp:	12607
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 49.083 ug/l

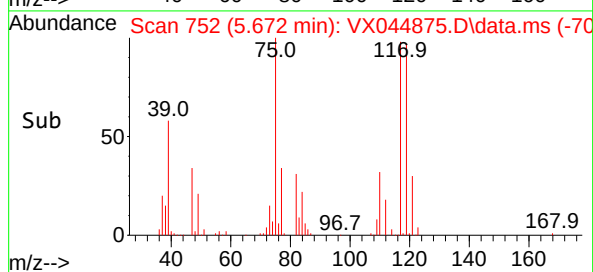
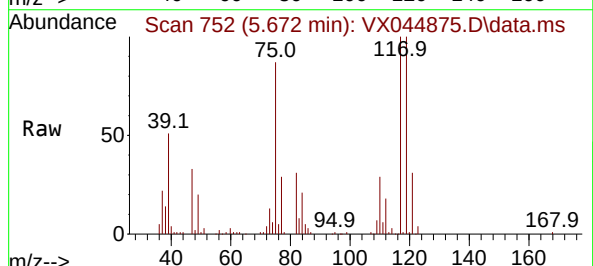
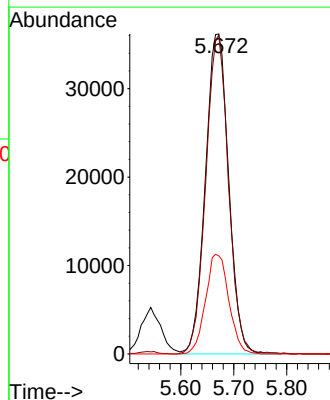
RT: 5.672 min Scan# 752

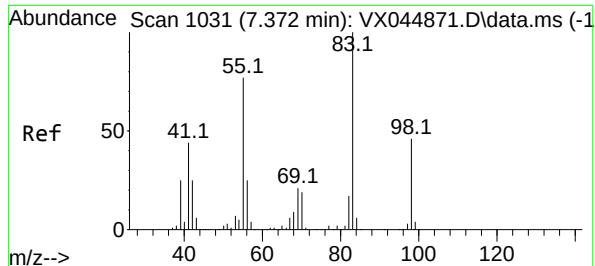
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	117	Resp:	110581
Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4





#39

Methylcyclohexane

Concen: 53.254 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 83 Resp: 158289

Ion Ratio Lower Upper

83 100

55 76.8 61.3 91.9

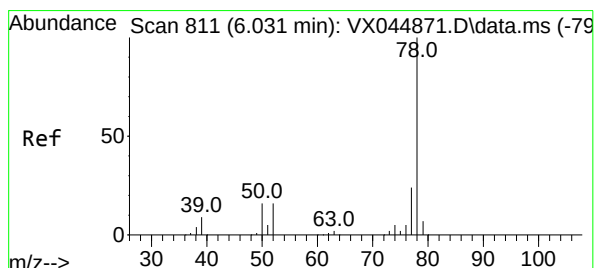
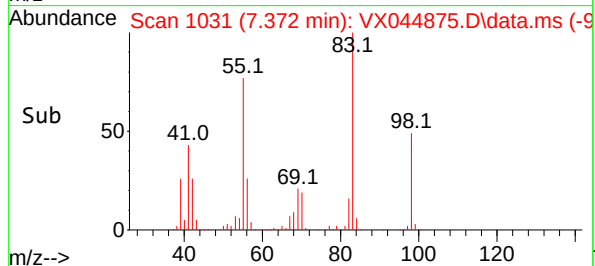
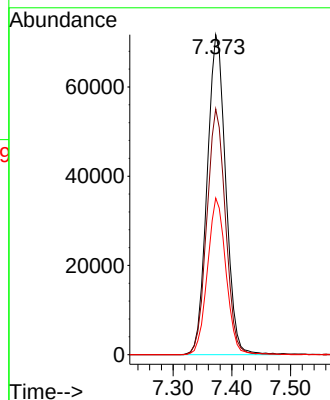
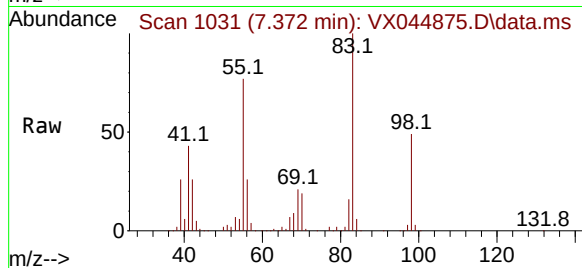
98 49.0 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 49.919 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044875.D

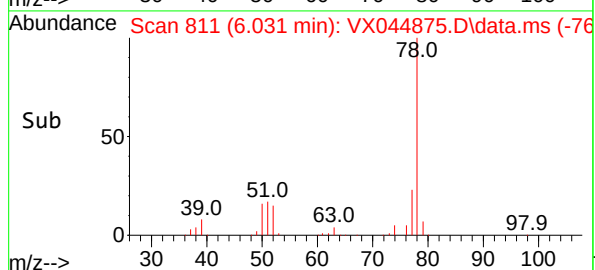
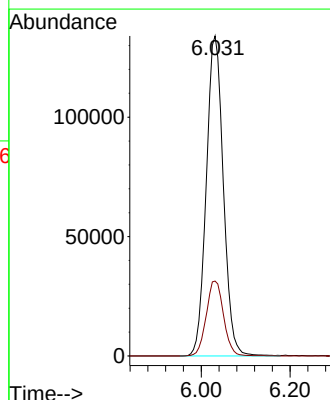
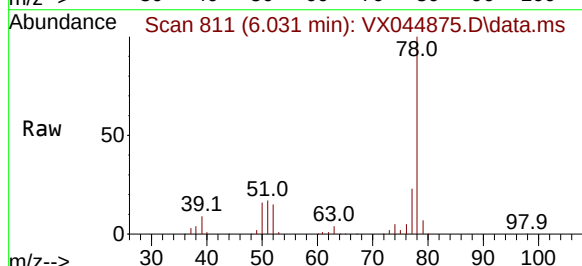
Acq: 10 Feb 2025 13:15

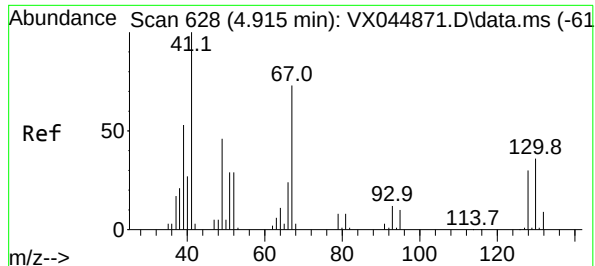
Tgt Ion: 78 Resp: 358365

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6





#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

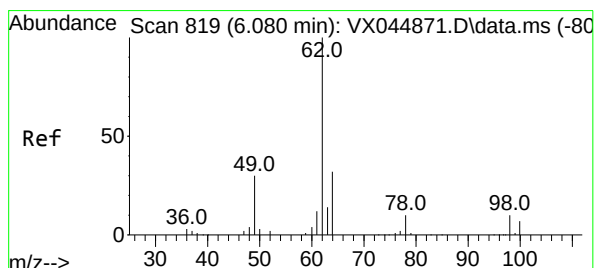
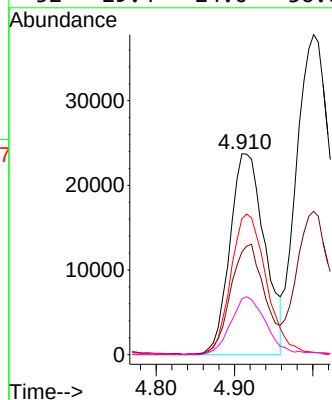
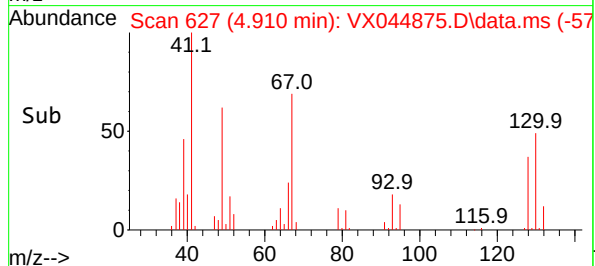
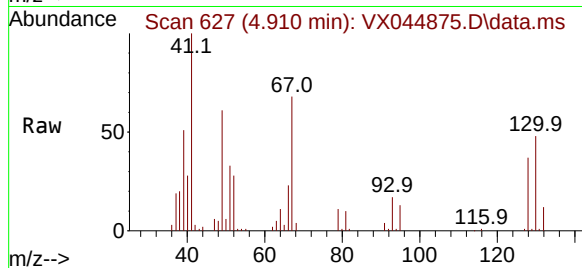
ClientSampleId :

ICVX021025

Tgt Ion: 41 Resp: 7355
Ion Ratio Lower Upper
41 100
39 54.1 43.1 64.7
67 71.9 57.0 85.6
52 29.4 24.0 36.0

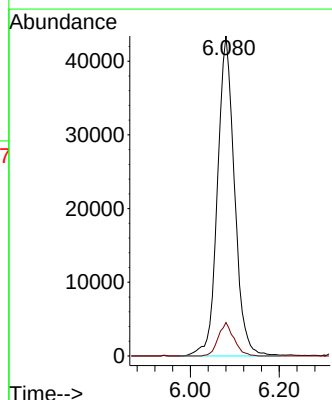
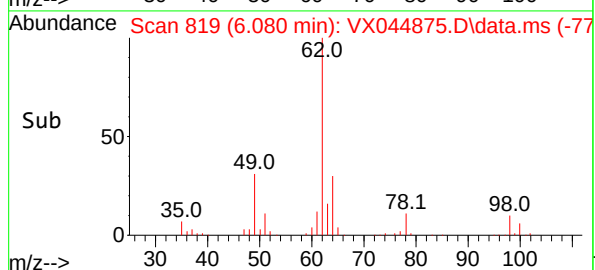
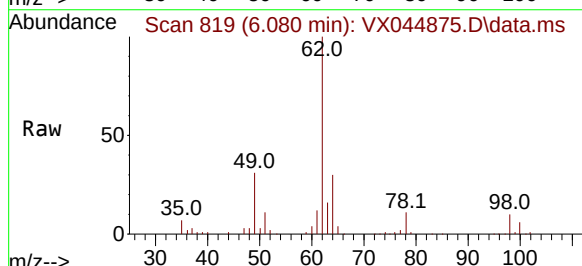
Manual Integrations
APPROVED

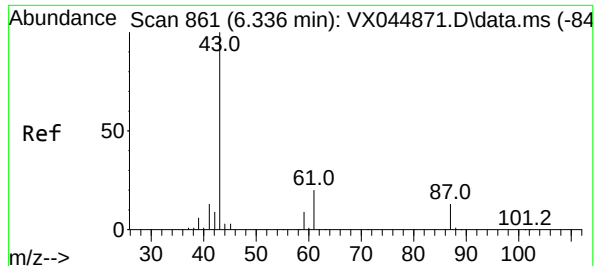
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 51.798 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 43 Resp: 21390

Ion Ratio Lower Upper

43 100

61 19.9 15.8 23.8

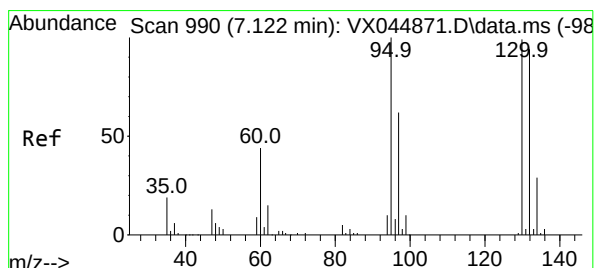
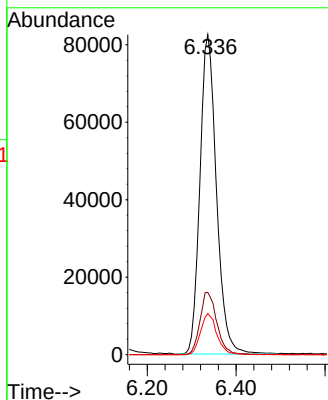
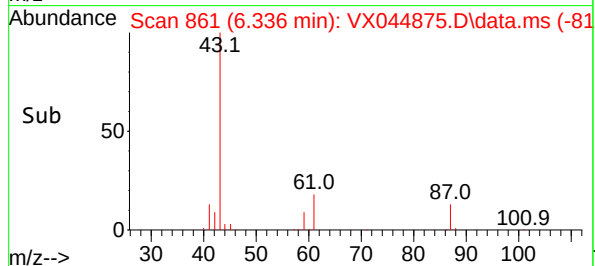
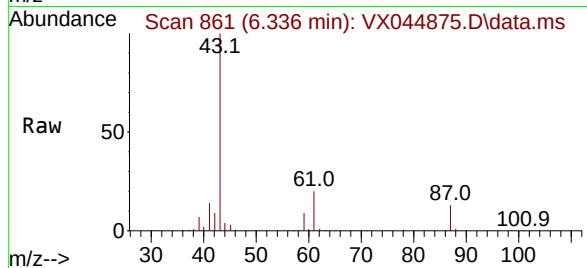
87 12.6 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 49.917 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044875.D

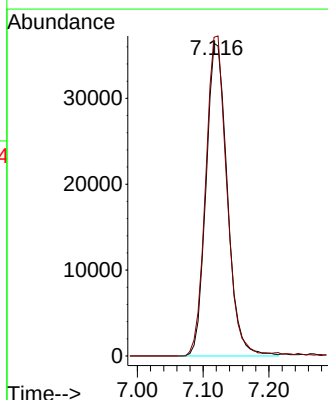
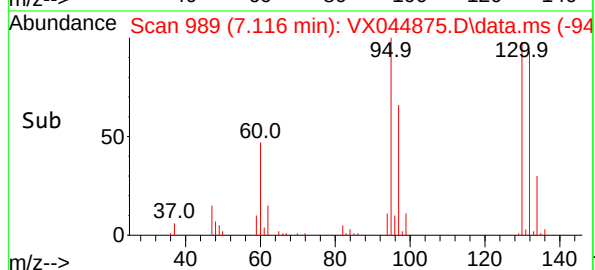
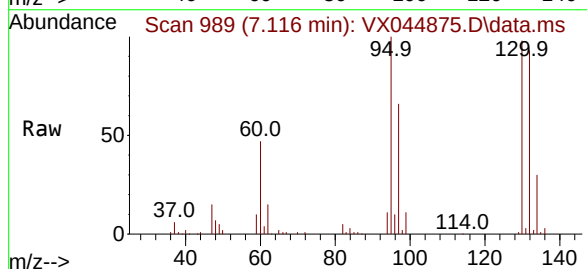
Acq: 10 Feb 2025 13:15

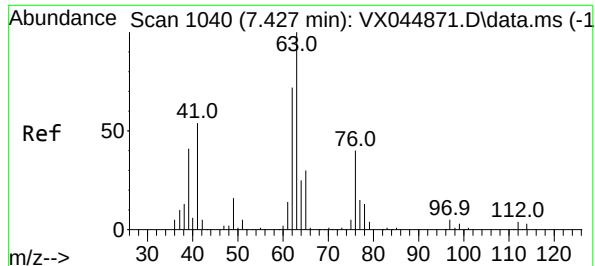
Tgt Ion:130 Resp: 81911

Ion Ratio Lower Upper

130 100

95 102.0 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.387 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 63 Resp: 8999

Ion Ratio Lower Upper

63 100

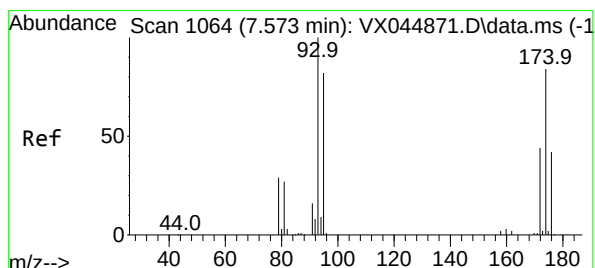
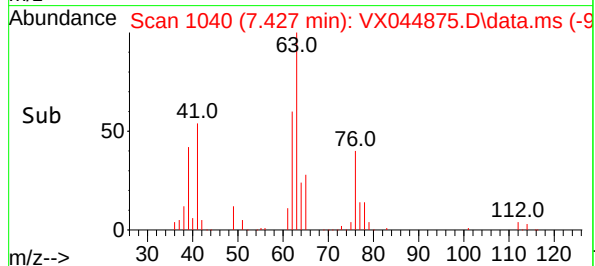
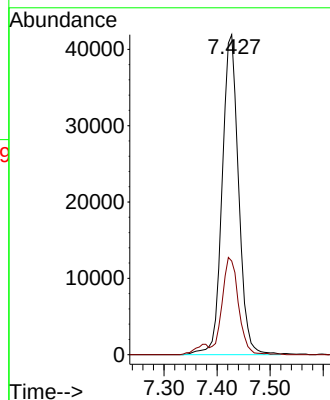
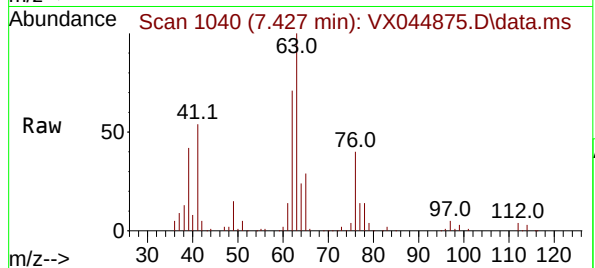
65 29.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 49.540 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

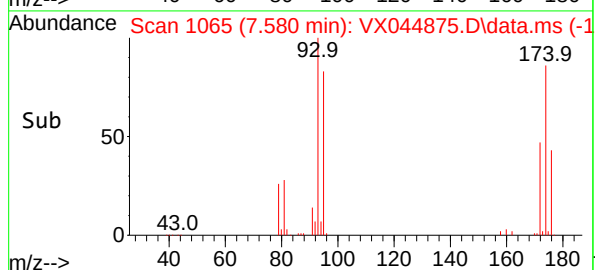
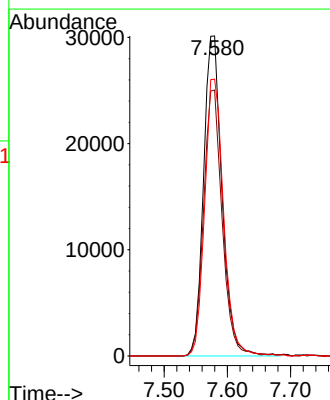
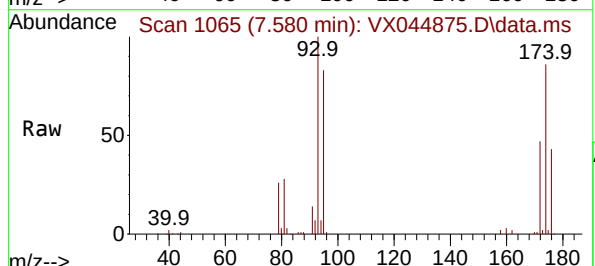
Tgt Ion: 93 Resp: 61360

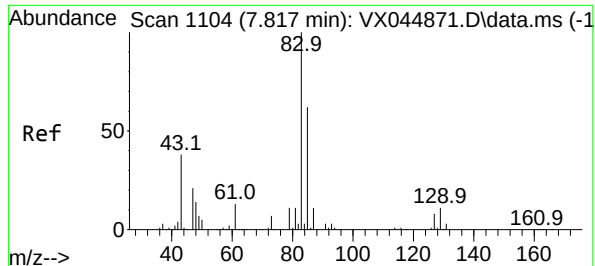
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 88.6 69.9 104.9





#47

Bromodichloromethane

Concen: 50.980 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044875.D

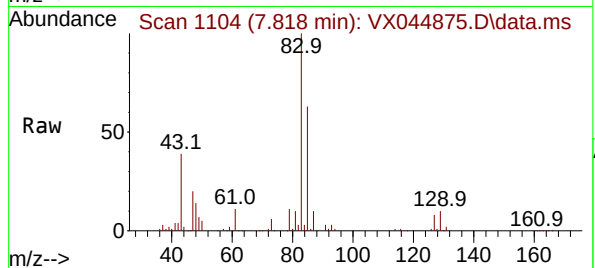
Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

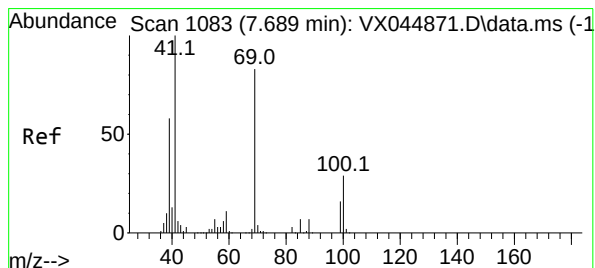
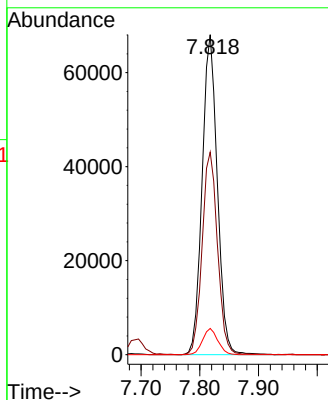
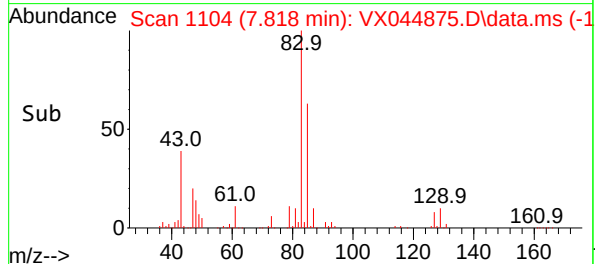


Tgt Ion:	83	Resp:	12226
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.0	75.0
127	8.2	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 52.848 ug/l

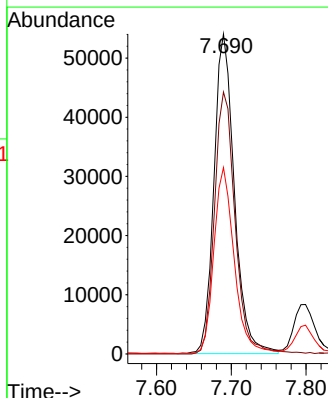
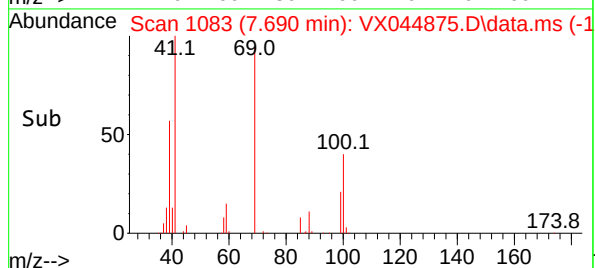
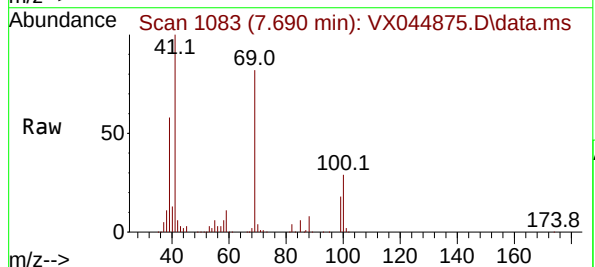
RT: 7.690 min Scan# 1083

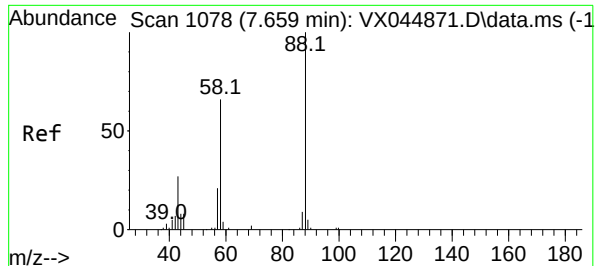
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	41	Resp:	102900
Ion	Ratio	Lower	Upper
41	100		
69	83.2	65.8	98.8
39	57.8	46.4	69.6





#49

1,4-Dioxane

Concen: 1021.138 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 88 Resp: 42658

Ion Ratio Lower Upper

88 100

43 32.2 26.6 39.8

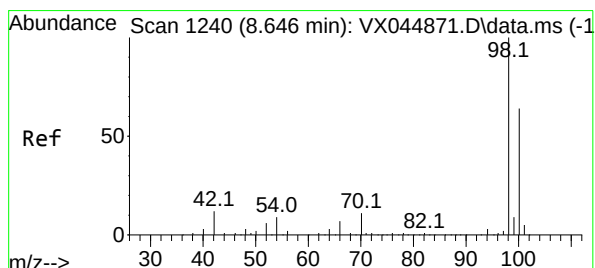
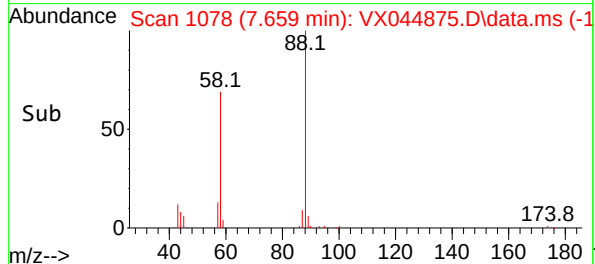
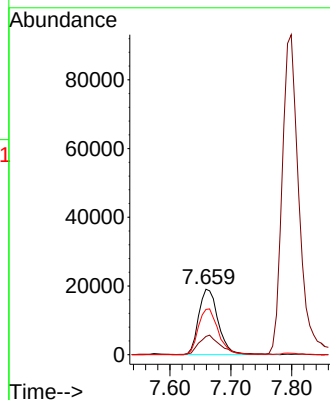
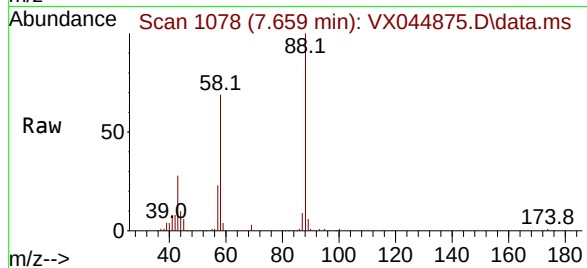
58 71.2 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 49.649 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044875.D

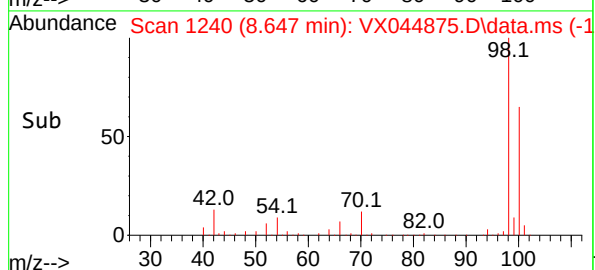
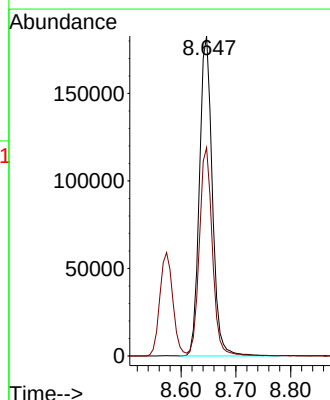
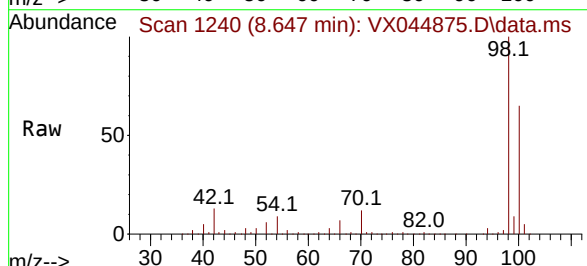
Acq: 10 Feb 2025 13:15

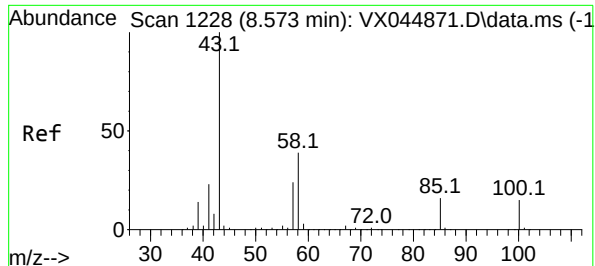
Tgt Ion: 98 Resp: 299178

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 265.112 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 43 Resp: 665564

Ion Ratio Lower Upper

43 100

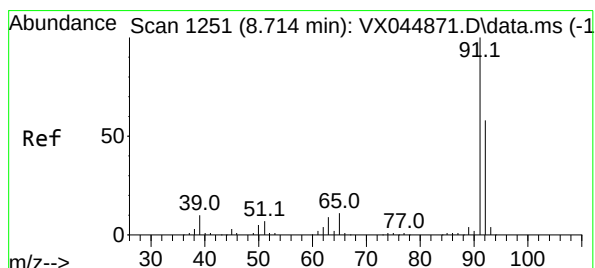
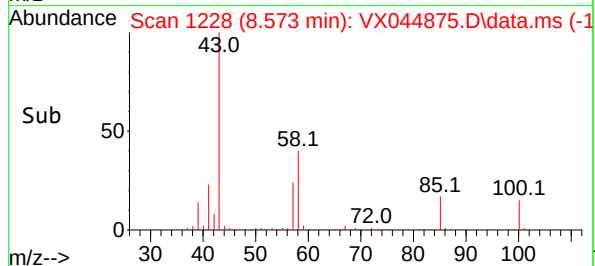
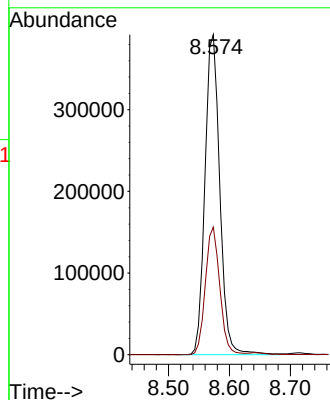
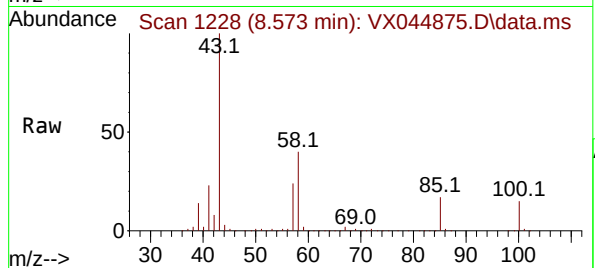
58 38.7 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 50.680 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044875.D

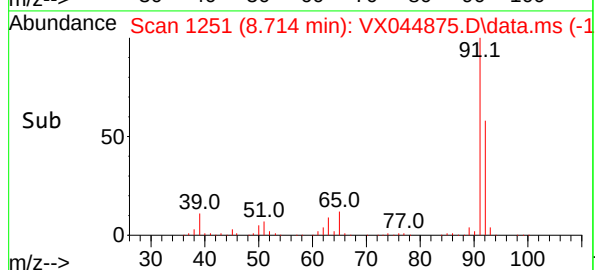
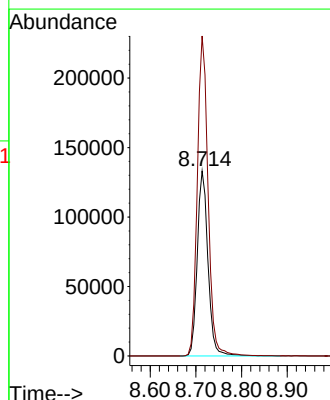
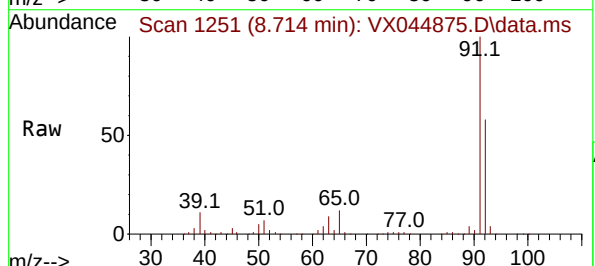
Acq: 10 Feb 2025 13:15

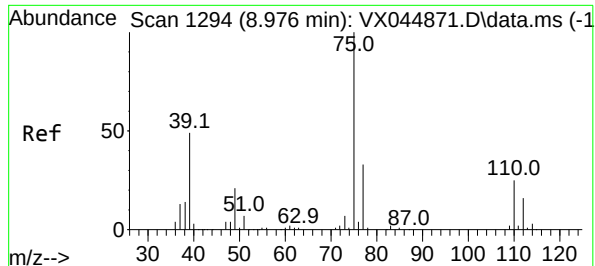
Tgt Ion: 92 Resp: 216682

Ion Ratio Lower Upper

92 100

91 173.4 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 53.731 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 75 Resp: 13040

Ion Ratio Lower Upper

75 100

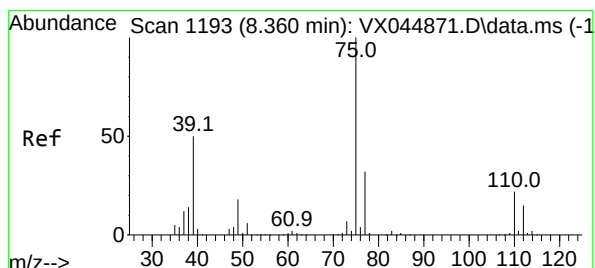
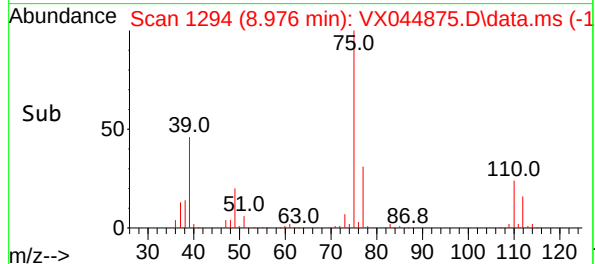
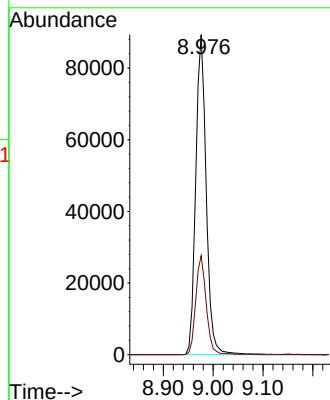
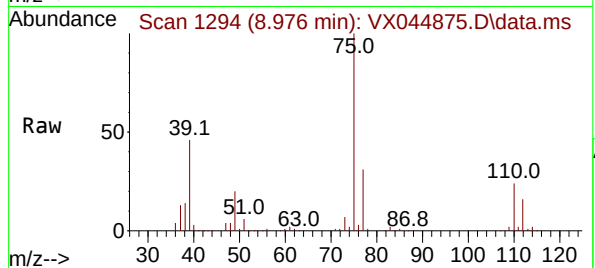
77 31.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 52.986 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

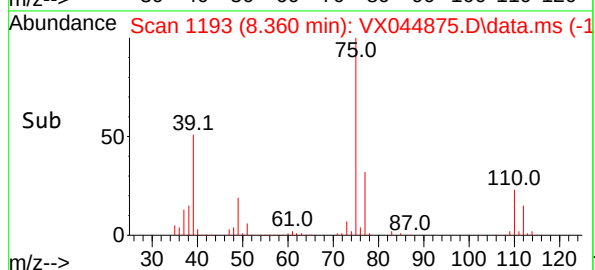
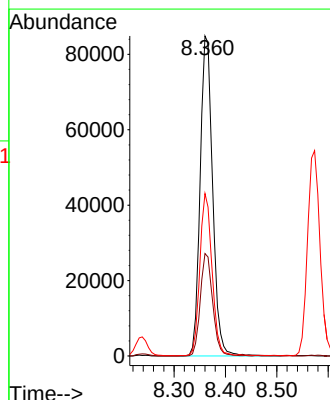
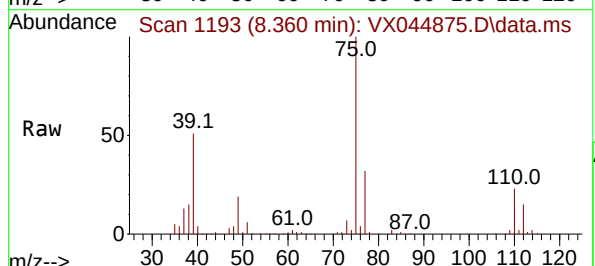
Tgt Ion: 75 Resp: 143379

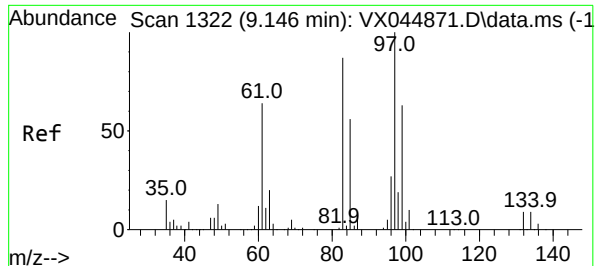
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 50.6 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 50.811 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 97 Resp: 83510

Ion Ratio Lower Upper

97 100

83 87.1 69.8 104.6

85 56.6 44.8 67.2

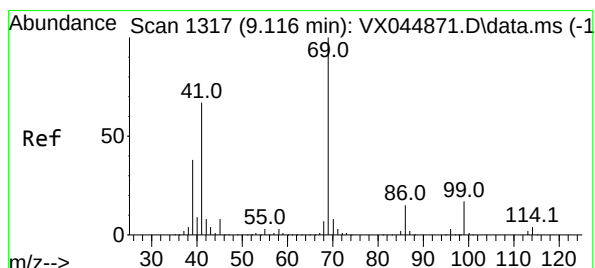
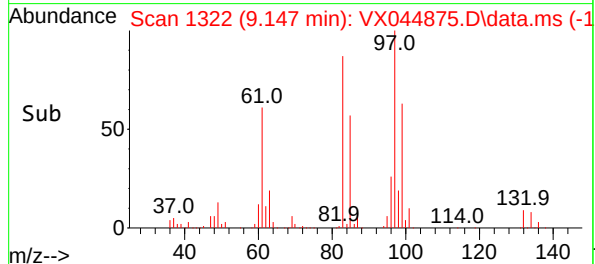
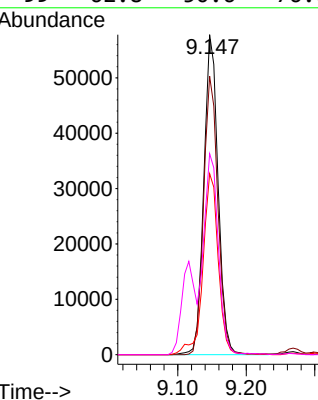
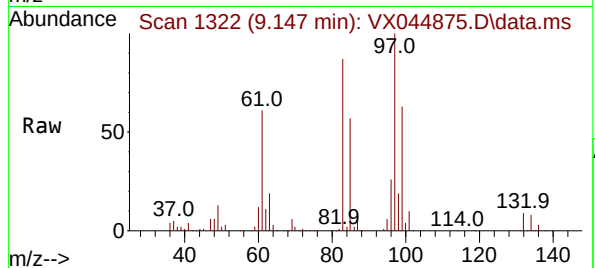
99 62.8 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 54.068 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

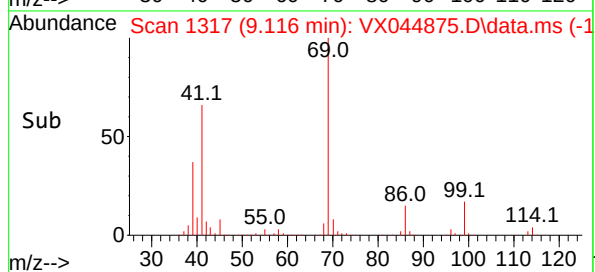
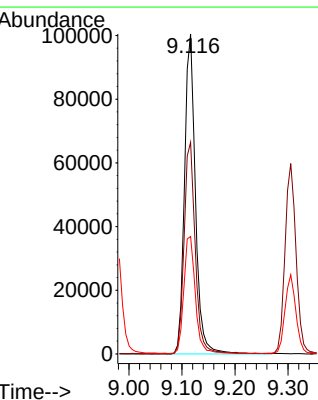
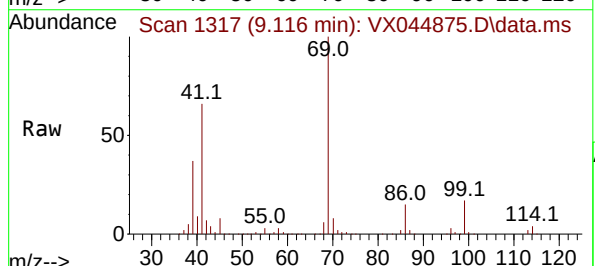
Tgt Ion: 69 Resp: 143524

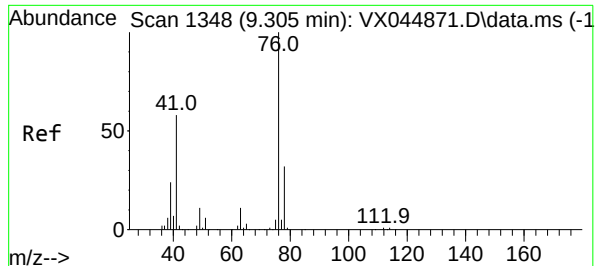
Ion Ratio Lower Upper

69 100

41 67.8 55.2 82.8

39 38.4 30.8 46.2





#57

1,3-Dichloropropane

Concen: 50.852 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 76 Resp: 146230

Ion Ratio Lower Upper

76 100

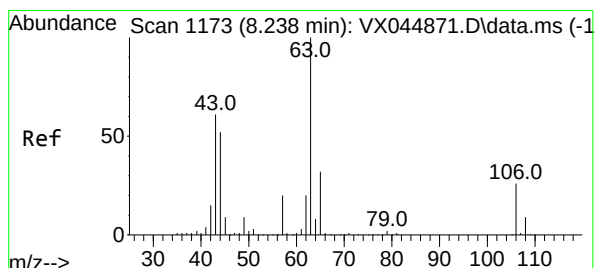
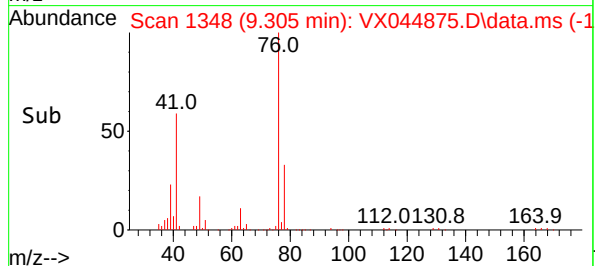
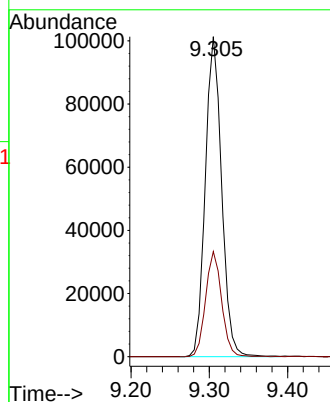
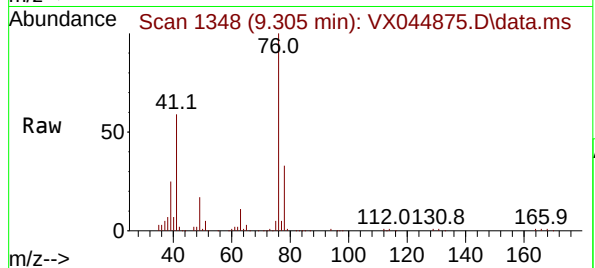
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 284.352 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044875.D

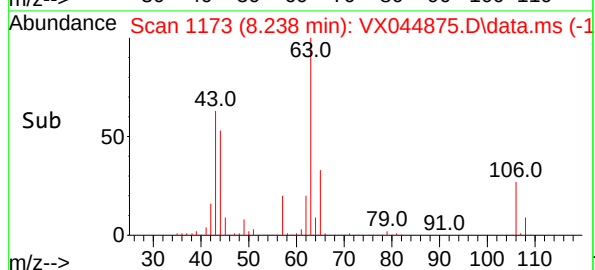
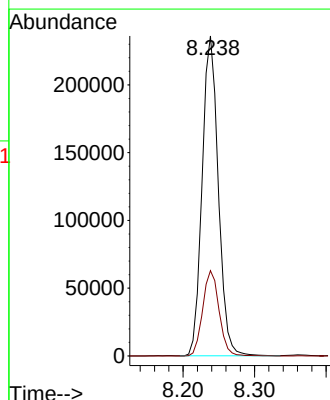
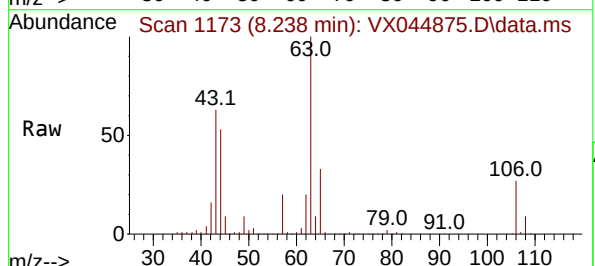
Acq: 10 Feb 2025 13:15

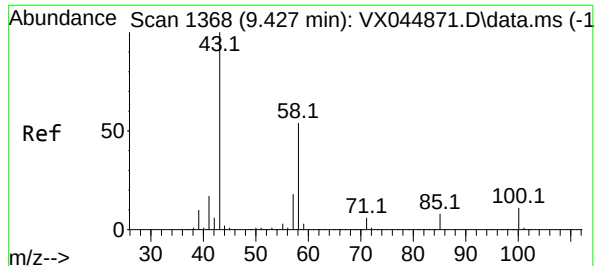
Tgt Ion: 63 Resp: 370622

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 269.951 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 43 Resp: 488298

Ion Ratio Lower Upper

43 100

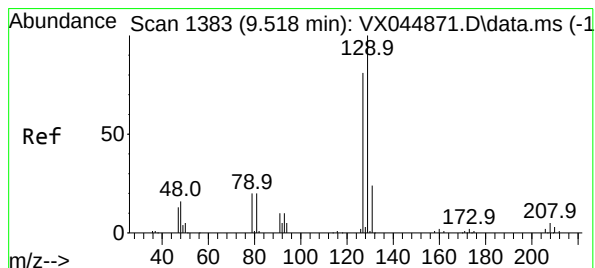
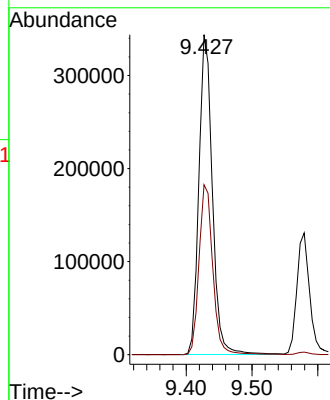
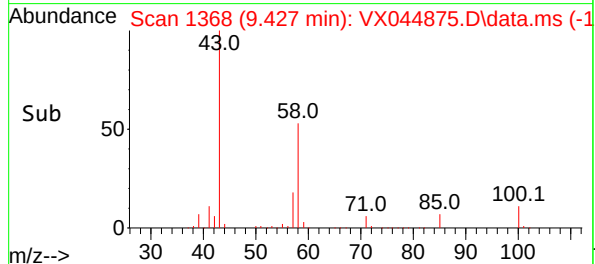
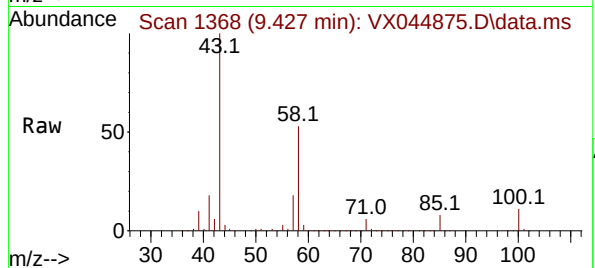
58 54.5 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 51.673 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044875.D

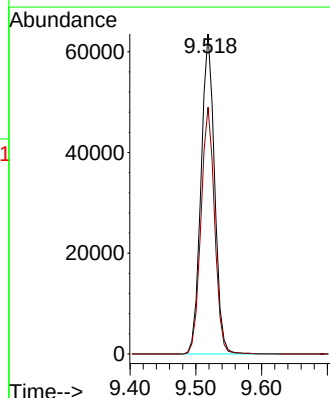
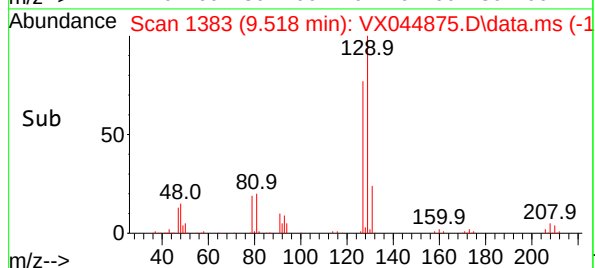
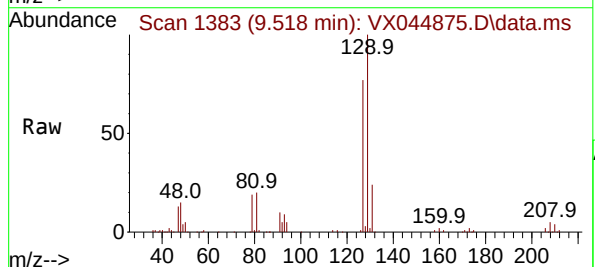
Acq: 10 Feb 2025 13:15

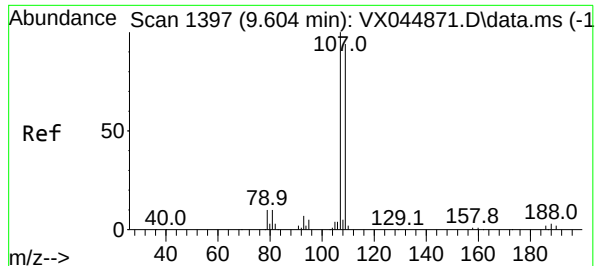
Tgt Ion:129 Resp: 90826

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3





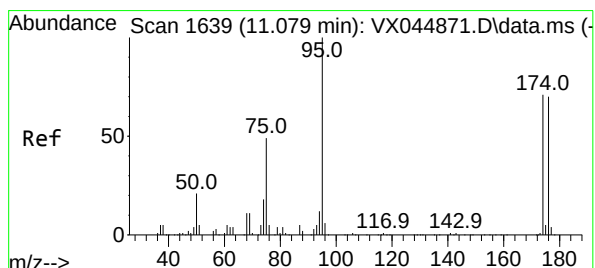
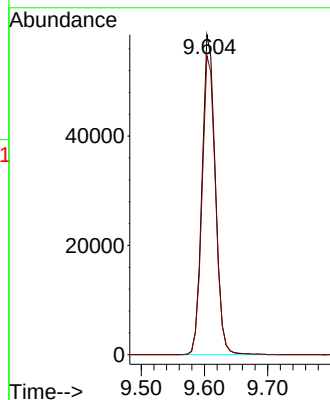
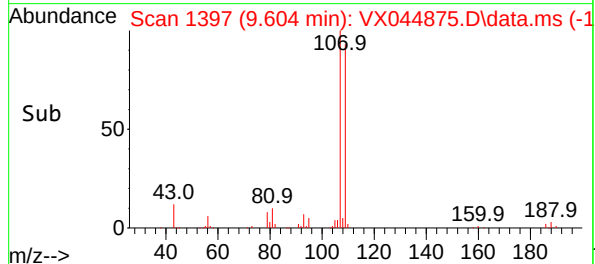
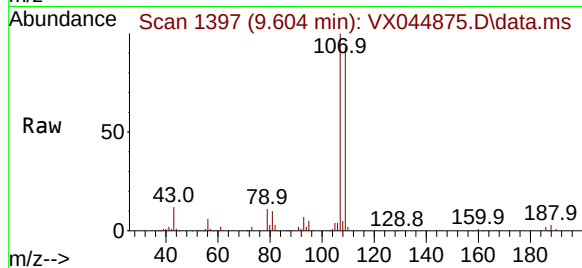
#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:107 Resp: 8568
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9

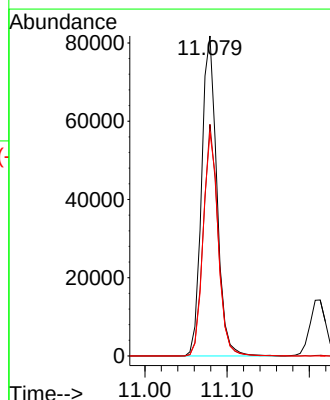
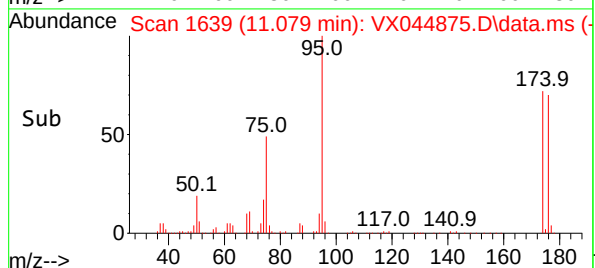
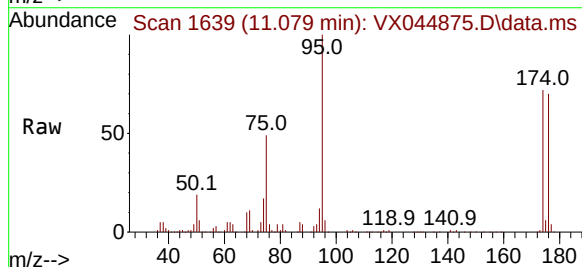
Manual Integrations
APPROVED

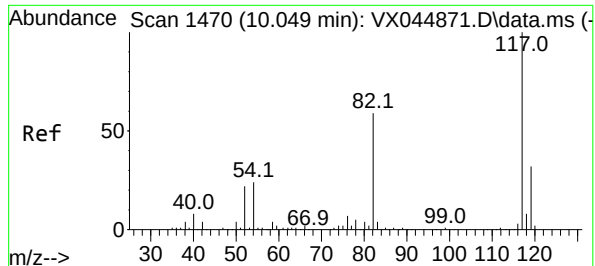
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201
Ion Ratio Lower Upper
95 100
174 69.8 0.0 142.6
176 68.9 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion:117 Resp: 213248

Ion Ratio Lower Upper

117 100

82 59.7 47.5 71.3

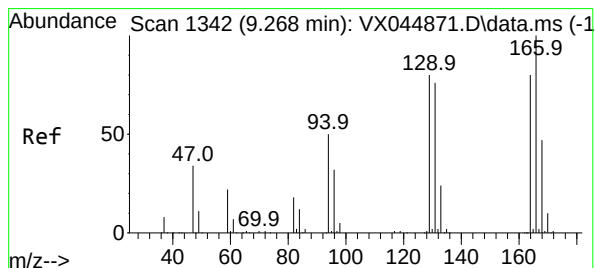
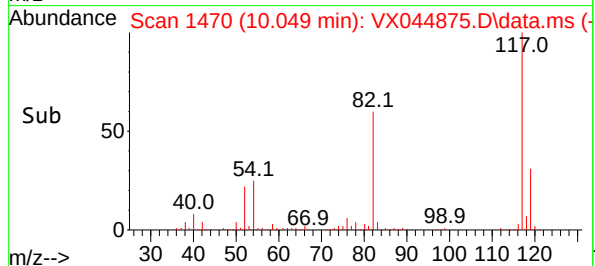
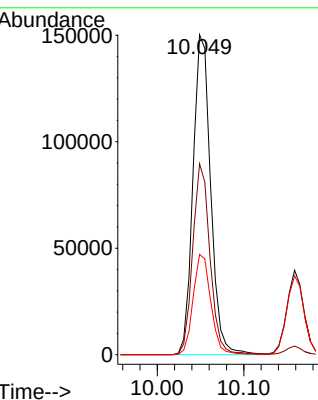
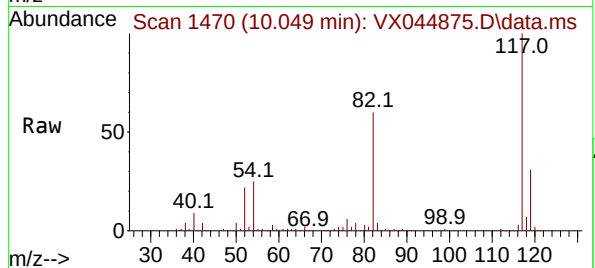
119 31.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 49.424 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468

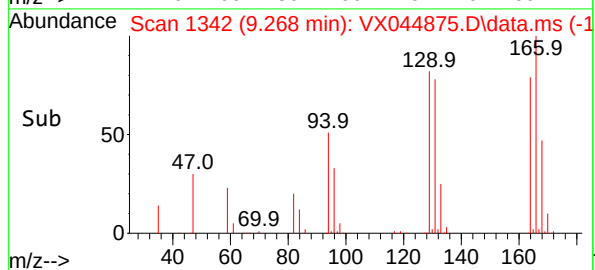
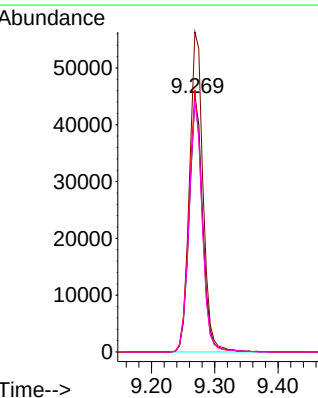
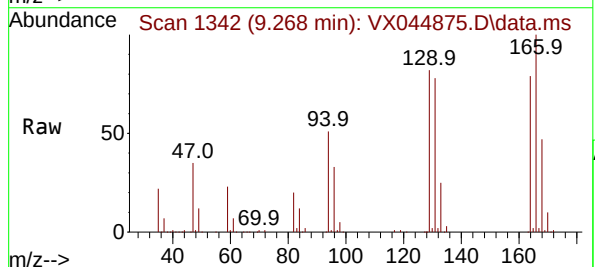
Ion Ratio Lower Upper

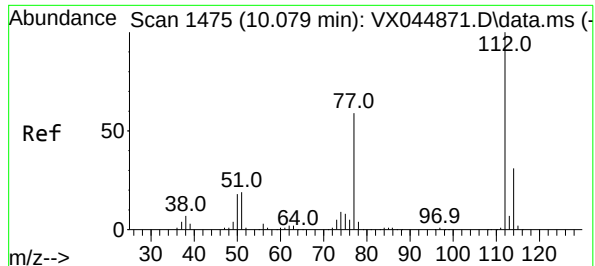
164 100

166 126.1 100.4 150.6

129 103.1 79.9 119.9

131 98.9 75.9 113.9





#65

Chlorobenzene

Concen: 50.952 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion:112 Resp: 23337

Ion Ratio Lower Upper

112 100

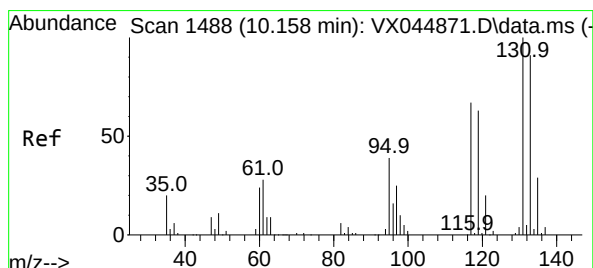
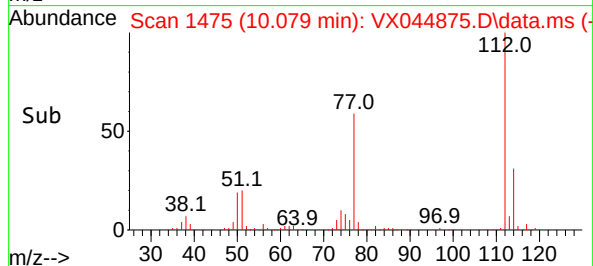
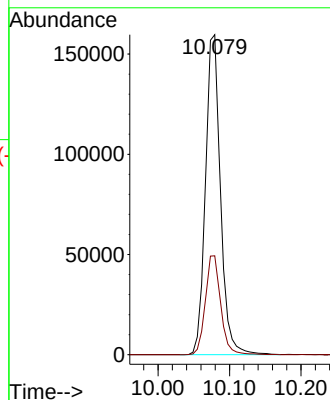
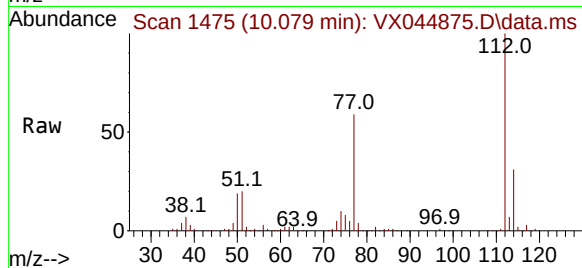
114 30.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 51.205 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

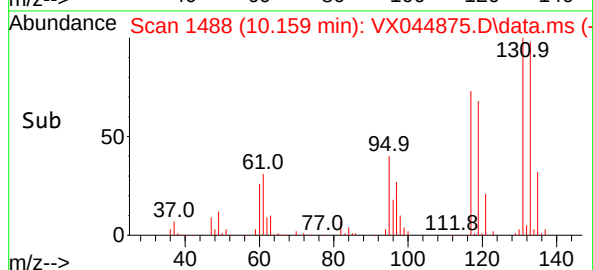
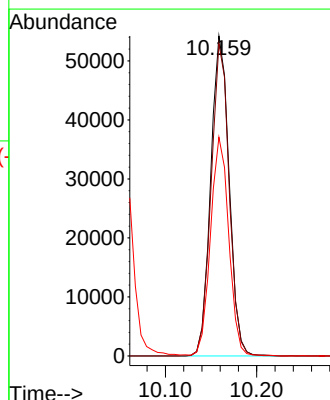
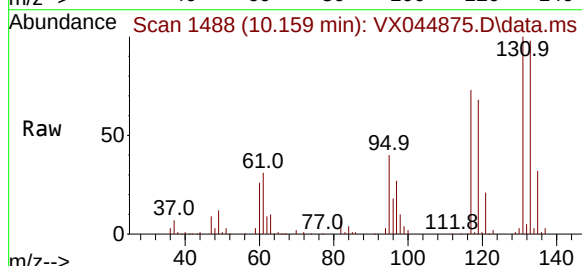
Tgt Ion:131 Resp: 75488

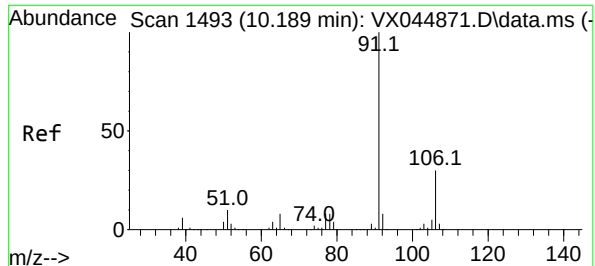
Ion Ratio Lower Upper

131 100

133 95.8 47.1 141.3

119 68.2 33.6 100.6





#67

Ethyl Benzene

Concen: 51.415 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 91 Resp: 41557

Ion Ratio Lower Upper

91 100

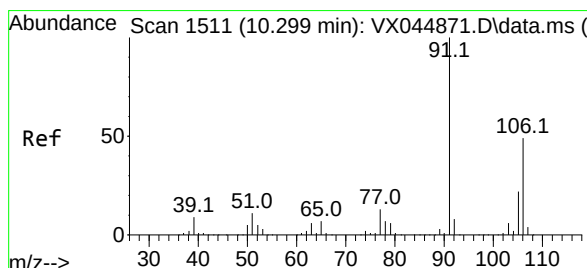
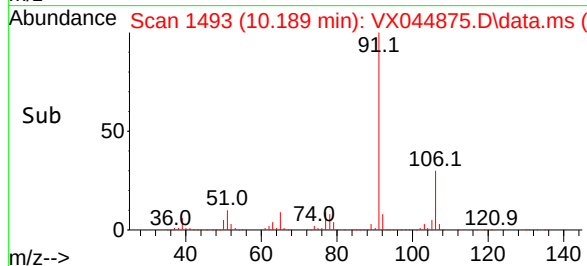
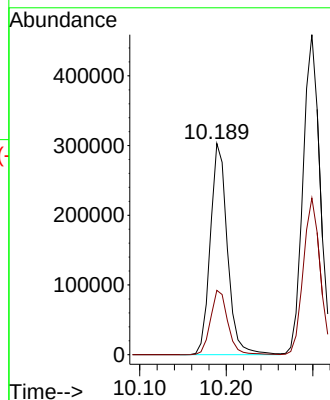
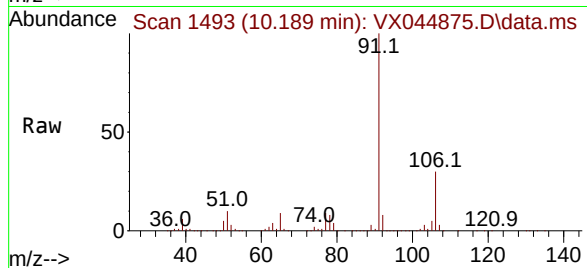
106 30.4 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 104.282 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044875.D

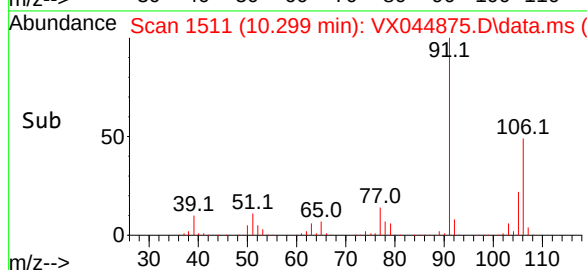
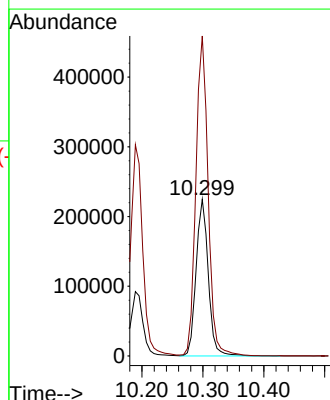
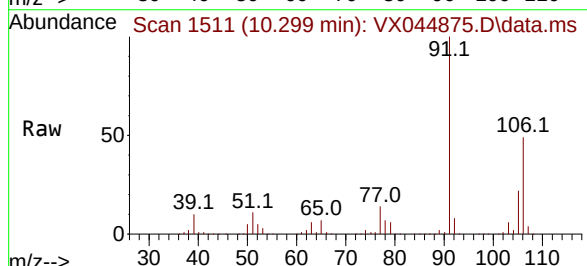
Acq: 10 Feb 2025 13:15

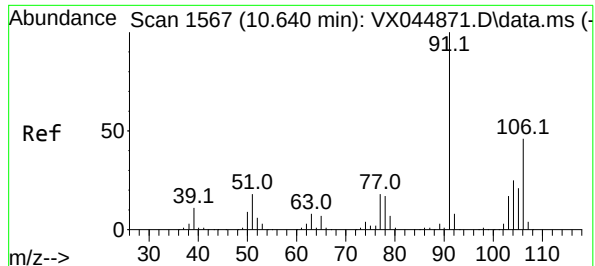
Tgt Ion:106 Resp: 310925

Ion Ratio Lower Upper

106 100

91 205.2 164.3 246.5





#69

o-Xylene

Concen: 50.804 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:106 Resp: 15199

Ion Ratio Lower Upper

106 100

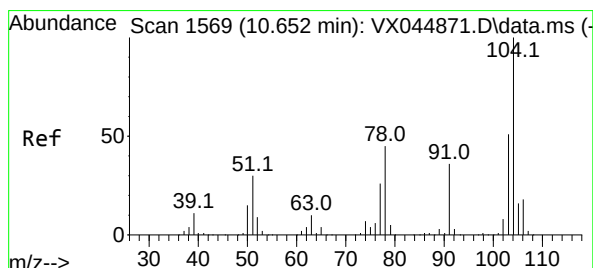
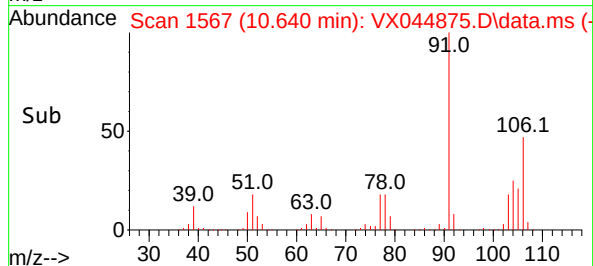
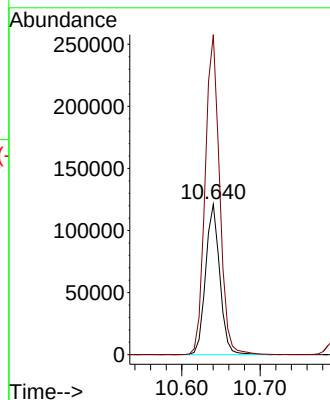
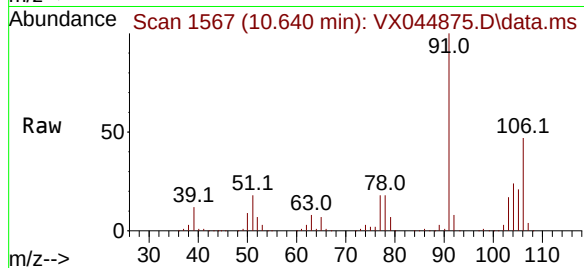
91 217.1 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 53.521 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

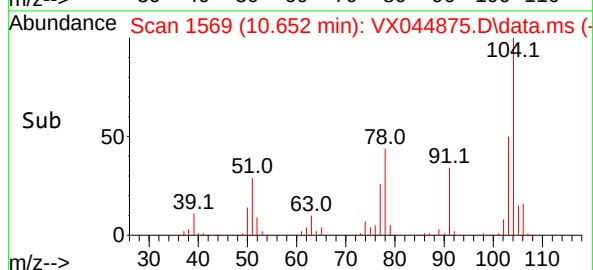
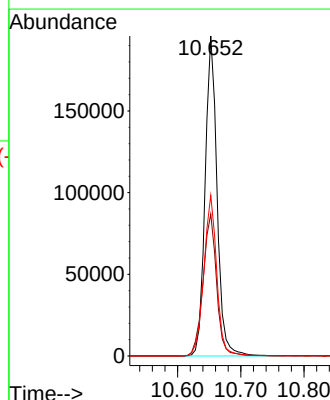
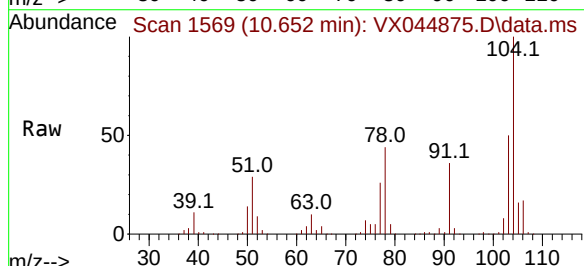
Tgt Ion:104 Resp: 257972

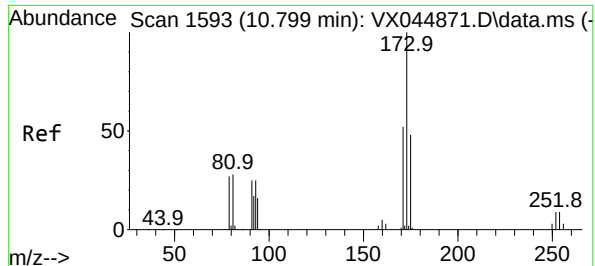
Ion Ratio Lower Upper

104 100

78 50.3 40.5 60.7

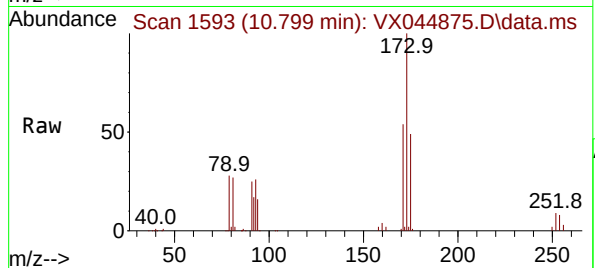
103 54.5 43.6 65.4





#71
Bromoform
Concen: 53.997 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

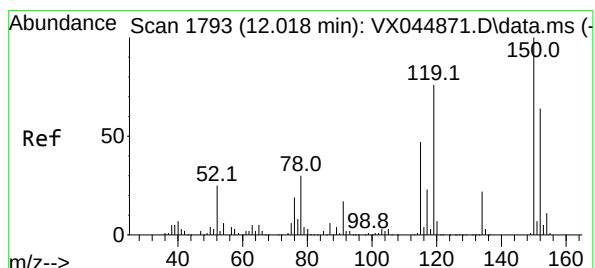
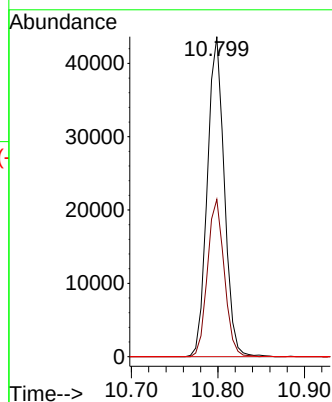
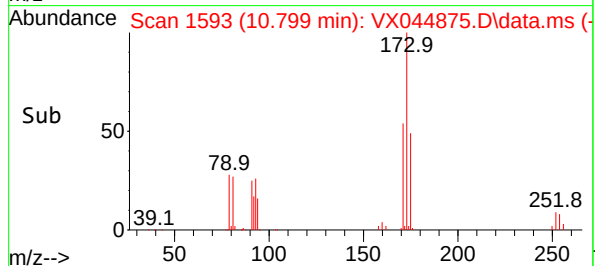
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



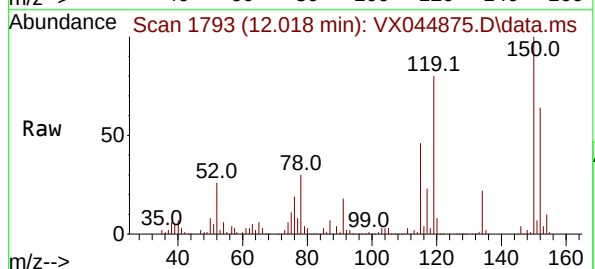
Tgt Ion:173 Resp: 59409
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

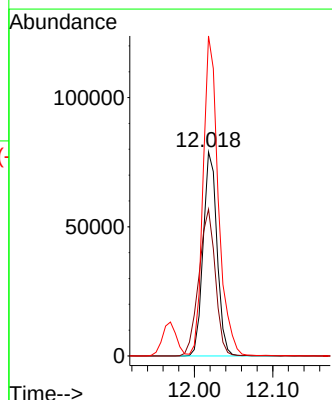
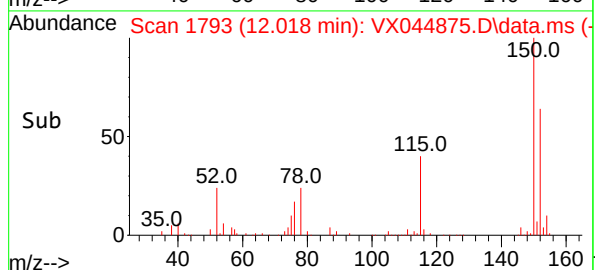
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

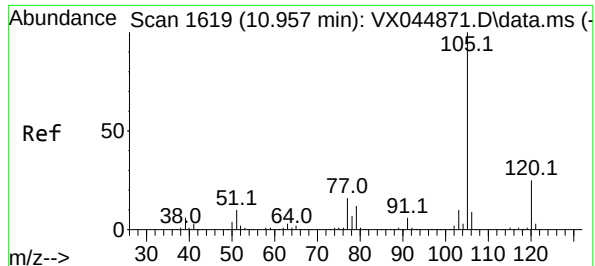


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15



Tgt Ion:152 Resp: 97087
Ion Ratio Lower Upper
152 100
115 85.5 43.4 130.1
150 171.8 0.0 350.4





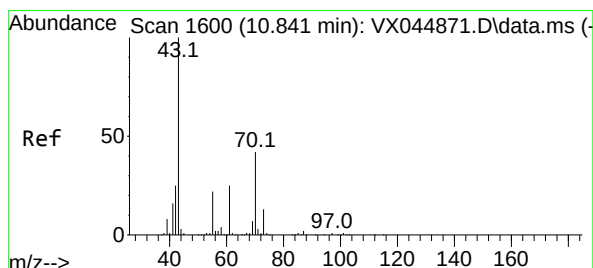
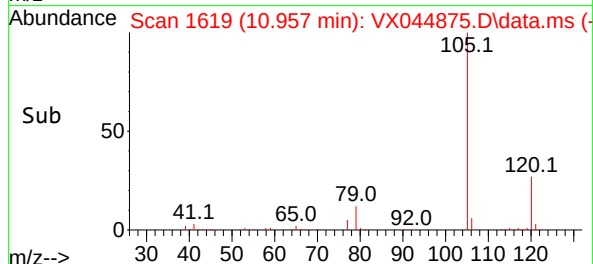
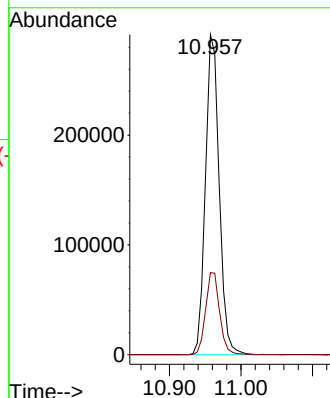
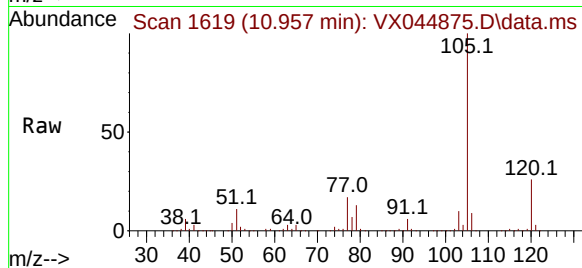
#73
Isopropylbenzene
Concen: 49.921 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 105 Resp: 390240
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5

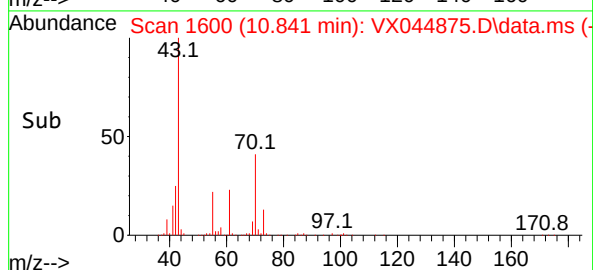
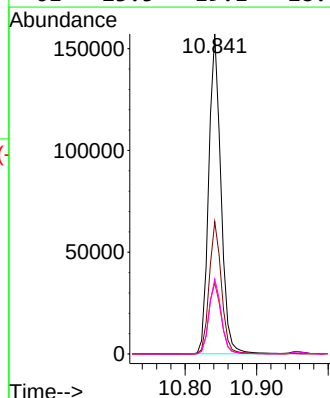
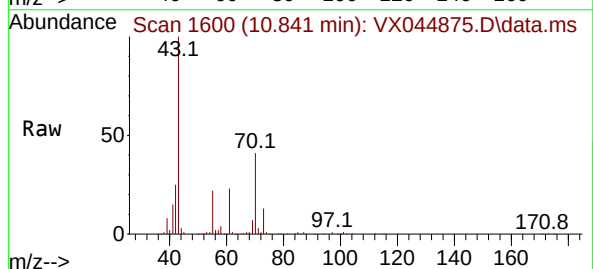
Manual Integrations
APPROVED

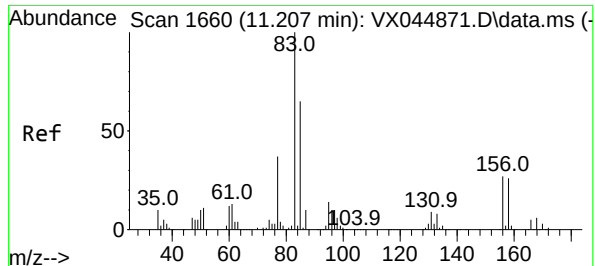
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 52.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145
Ion Ratio Lower Upper
43 100
70 41.4 33.7 50.5
55 22.8 18.6 27.8
61 23.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.331 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 83 Resp: 129829

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.5

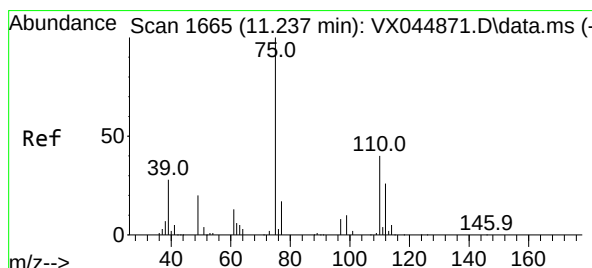
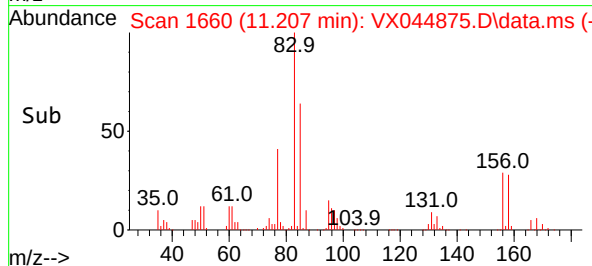
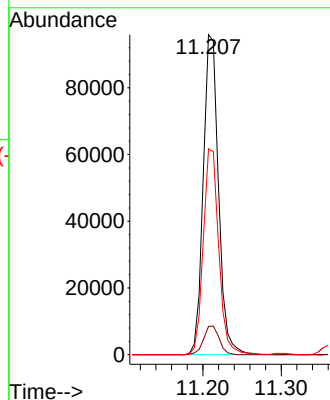
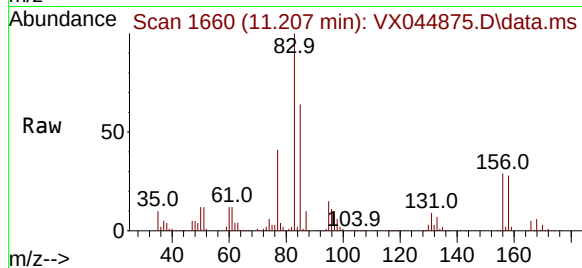
85 65.1 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#76

1,2,3-Trichloropropane

Concen: 49.659 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044875.D

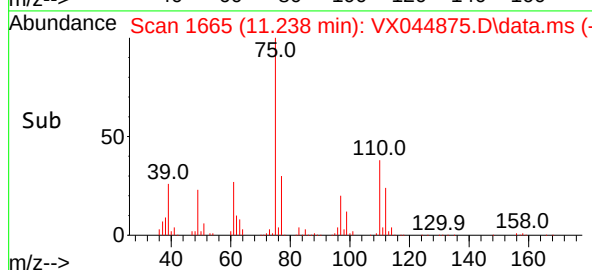
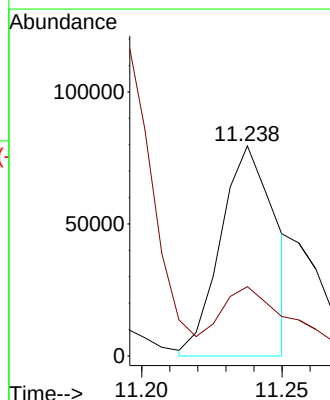
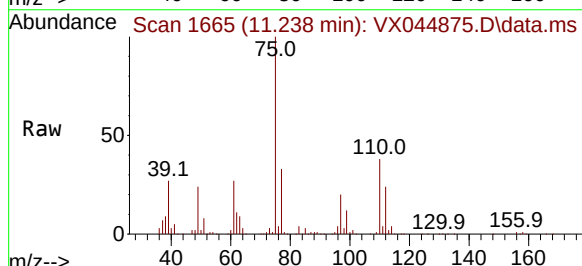
Acq: 10 Feb 2025 13:15

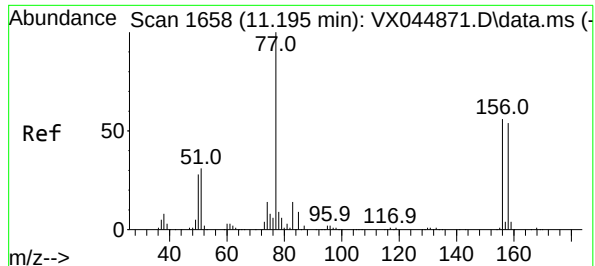
Tgt Ion: 75 Resp: 106893

Ion Ratio Lower Upper

75 100

77 43.7 21.9 65.7





#77

Bromobenzene

Concen: 49.725 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

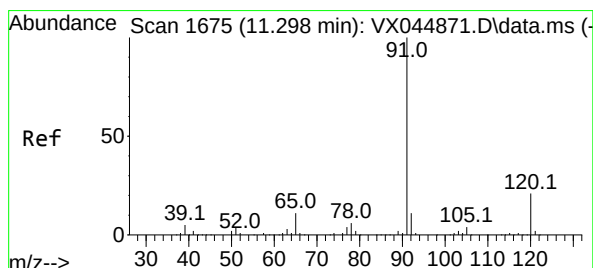
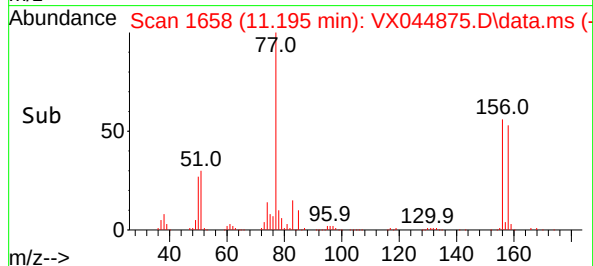
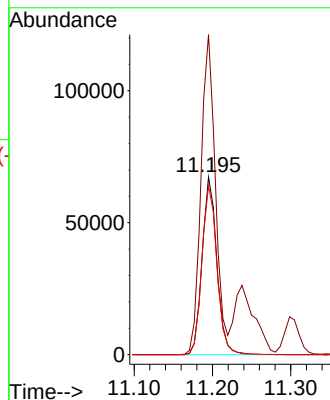
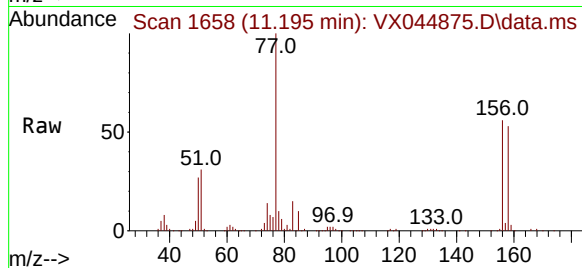
ICVX021025

Tgt Ion:	156	Resp:	88129
Ion Ratio	Lower	Upper	
156	100		
77	176.3	88.4	265.3
158	96.7	48.4	145.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#78

n-propylbenzene

Concen: 51.386 ug/l

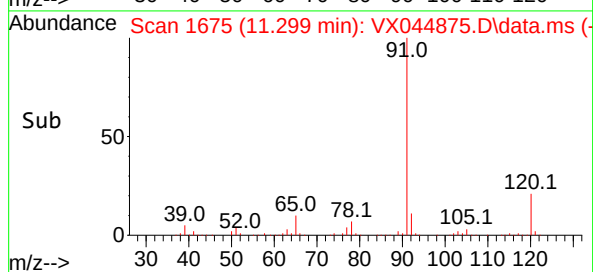
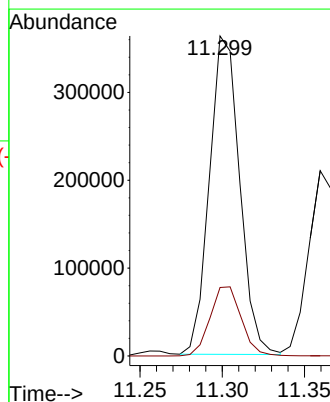
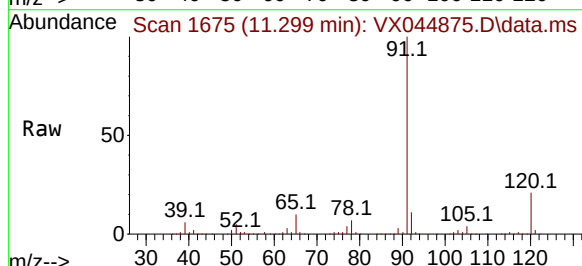
RT: 11.299 min Scan# 1675

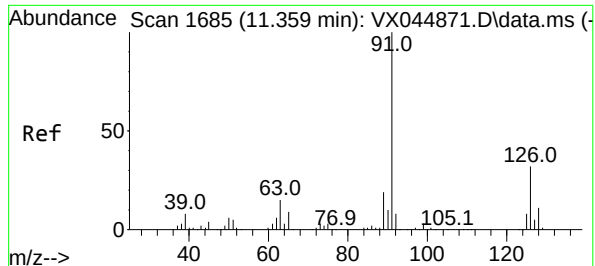
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	91	Resp:	463655
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.1	33.3





#79

2-Chlorotoluene

Concen: 49.065 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 91 Resp: 27209

Ion Ratio Lower Upper

91 100

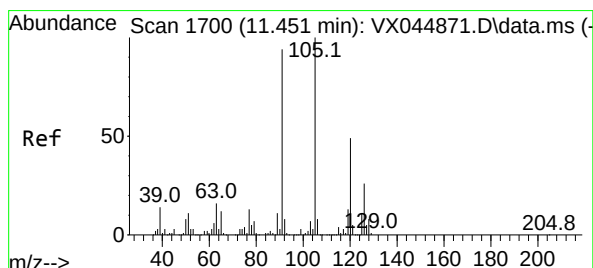
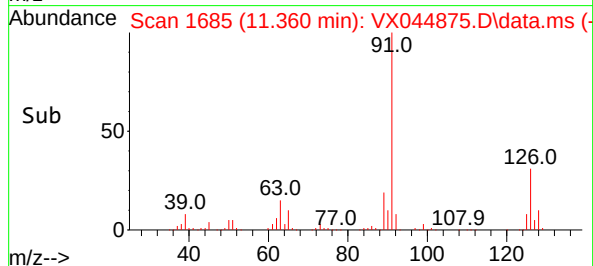
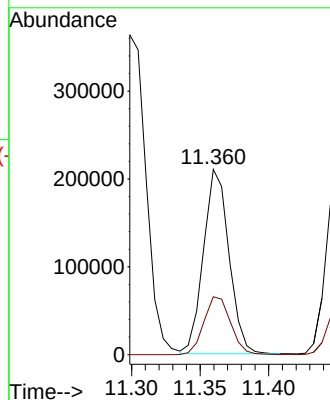
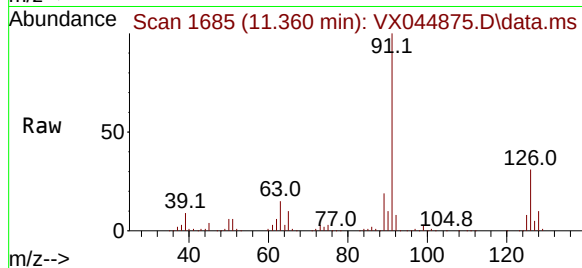
126 33.0 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.956 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044875.D

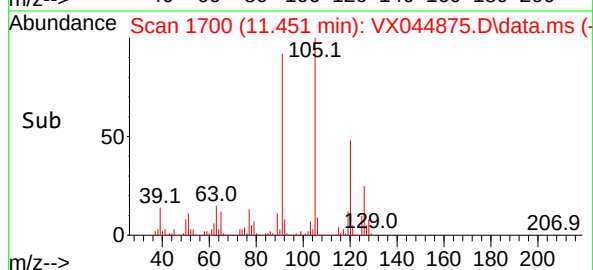
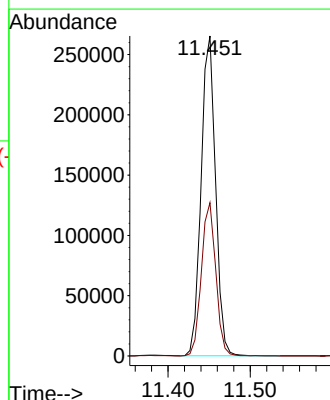
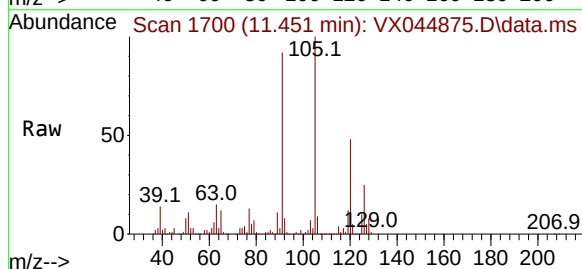
Acq: 10 Feb 2025 13:15

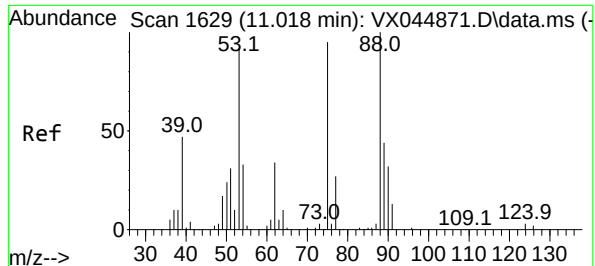
Tgt Ion:105 Resp: 323251

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0





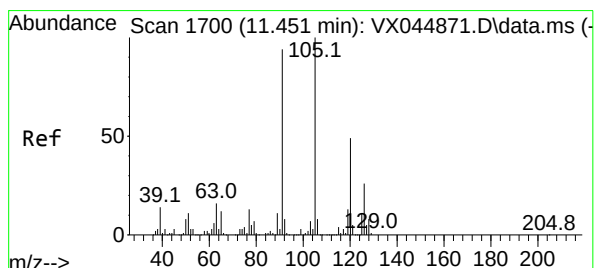
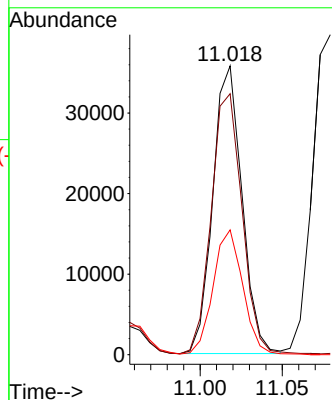
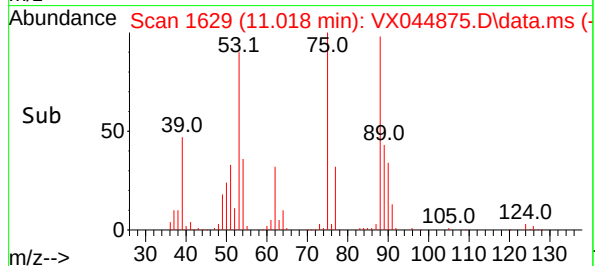
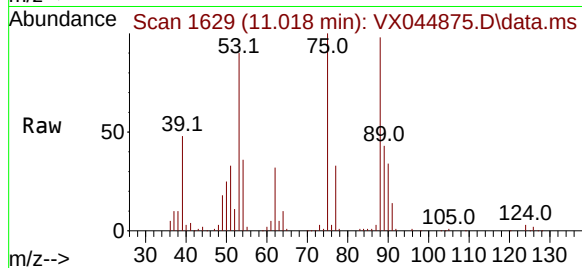
#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion: 75 Resp: 44070
Ion Ratio Lower Upper
75 100
53 96.9 78.0 117.0
89 44.3 36.6 54.8

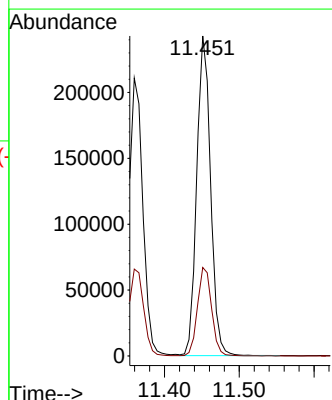
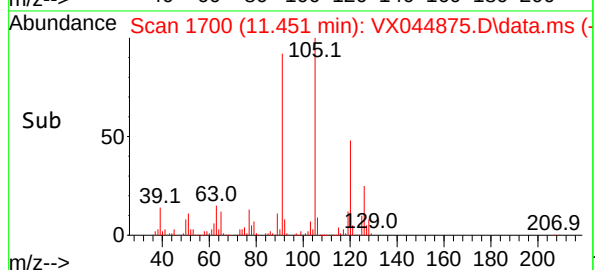
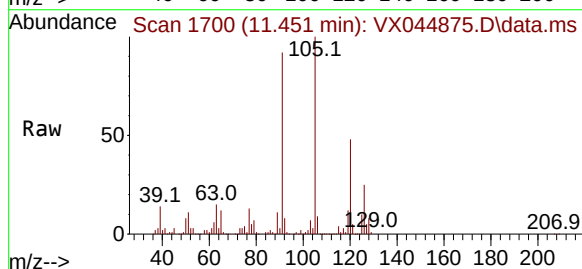
Manual Integrations
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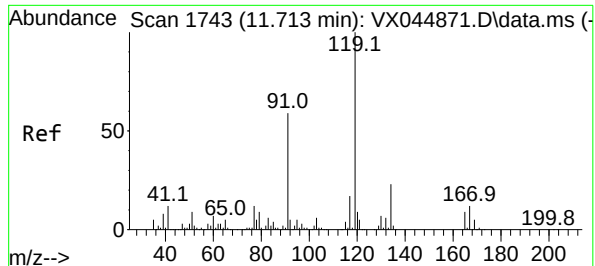
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.139 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:119 Resp: 321772

Ion Ratio Lower Upper

119 100

91 60.7 29.1 87.4

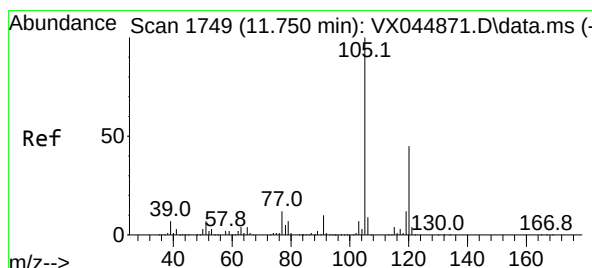
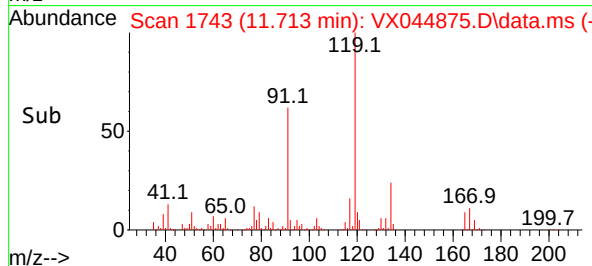
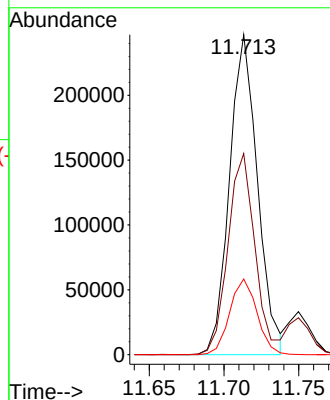
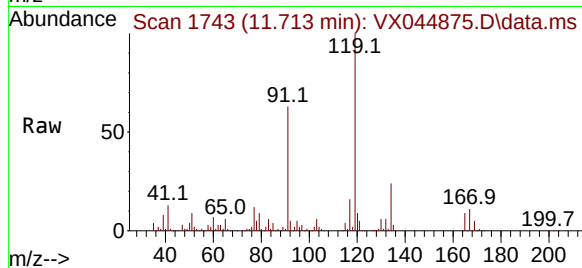
134 23.0 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.593 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044875.D

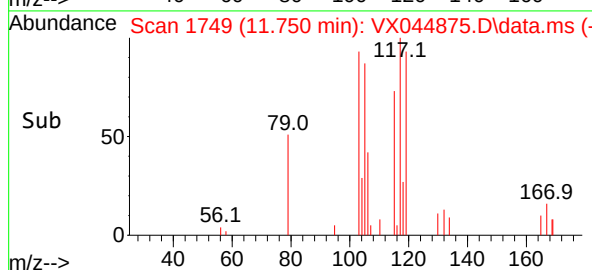
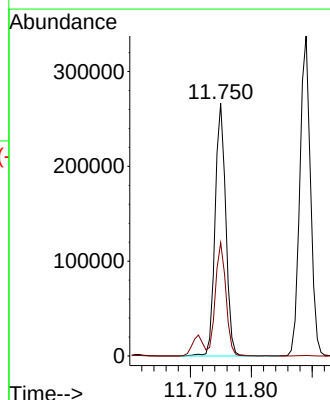
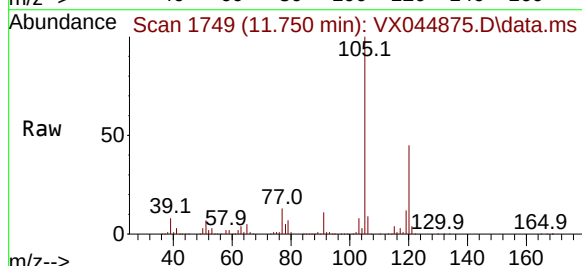
Acq: 10 Feb 2025 13:15

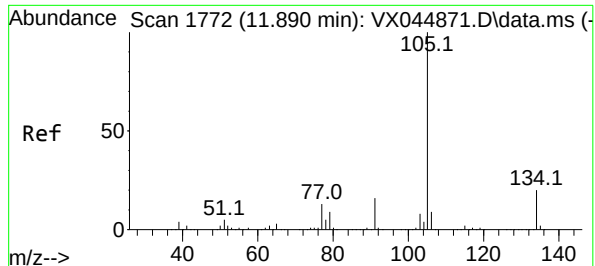
Tgt Ion:105 Resp: 323035

Ion Ratio Lower Upper

105 100

120 44.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.617 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:105 Resp: 41019

Ion Ratio Lower Upper

105 100

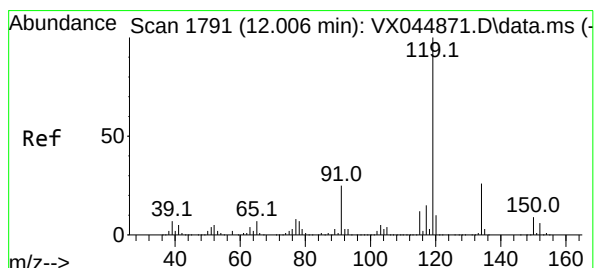
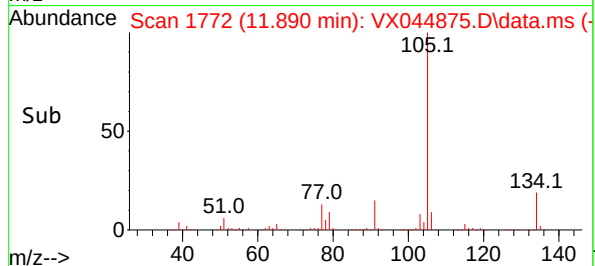
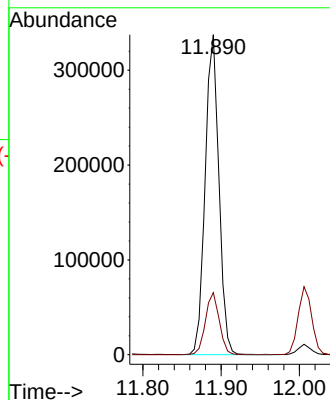
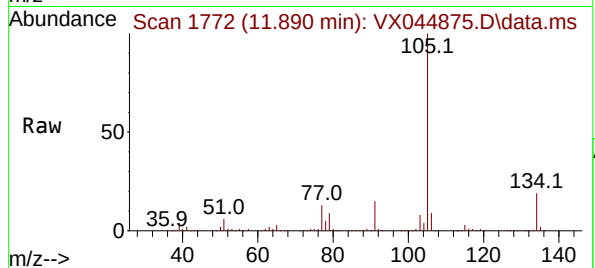
134 19.5 9.8 29.3

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 52.581 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

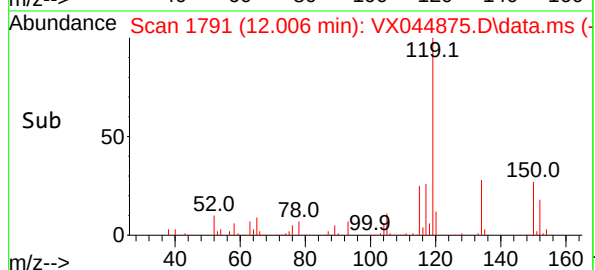
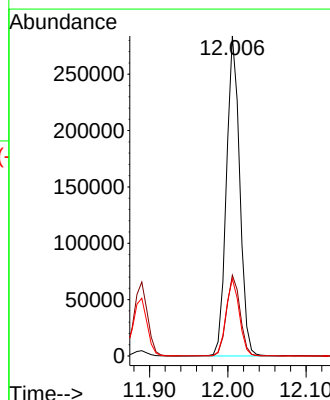
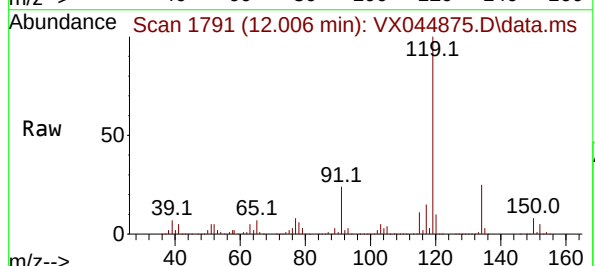
Tgt Ion:119 Resp: 336027

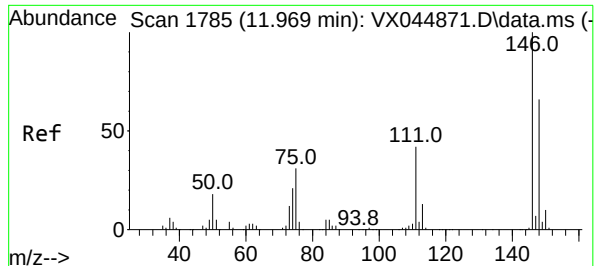
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.475 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:146 Resp: 164508

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

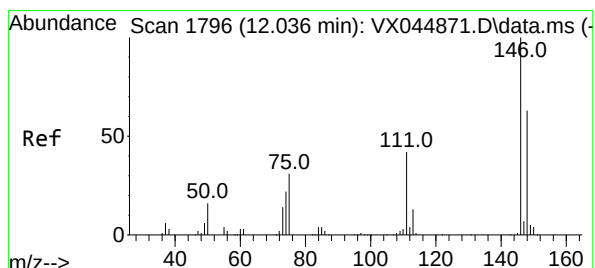
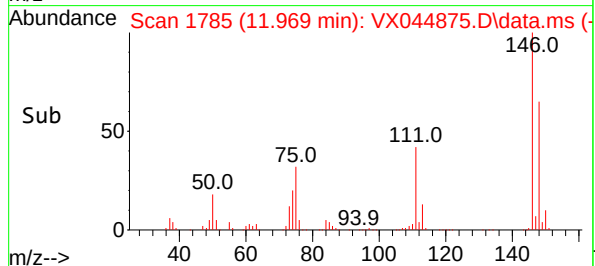
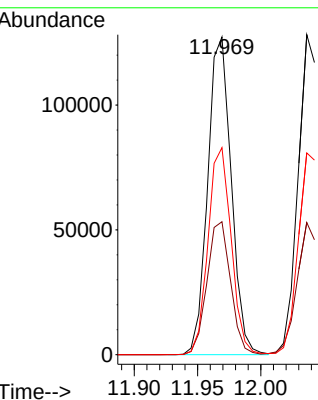
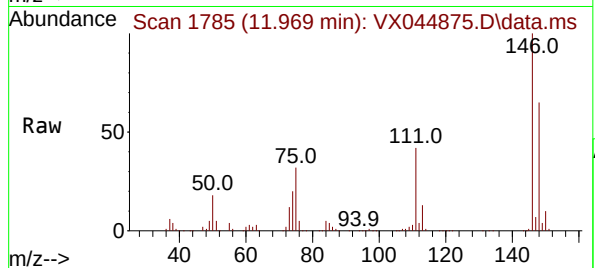
148 64.3 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 49.526 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

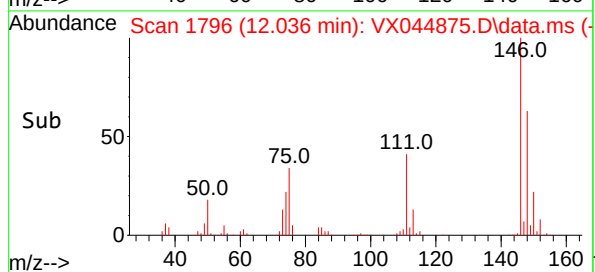
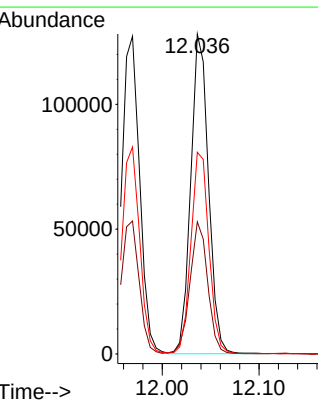
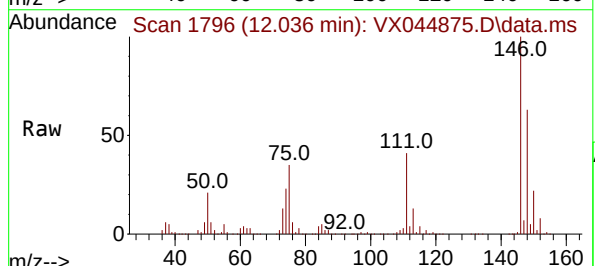
Tgt Ion:146 Resp: 163203

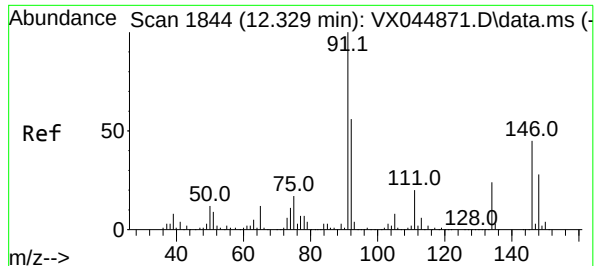
Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 55.142 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 91 Resp: 311764

Ion Ratio Lower Upper

91 100

92 54.1 27.2 81.6

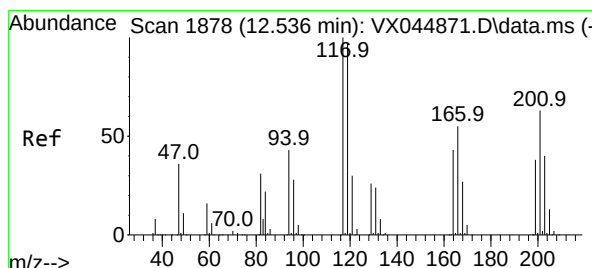
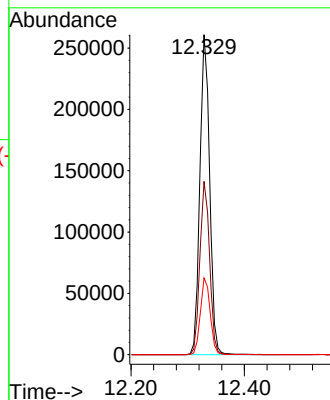
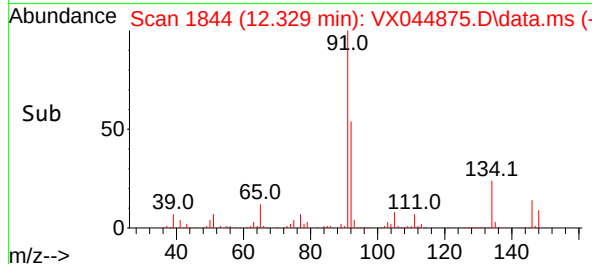
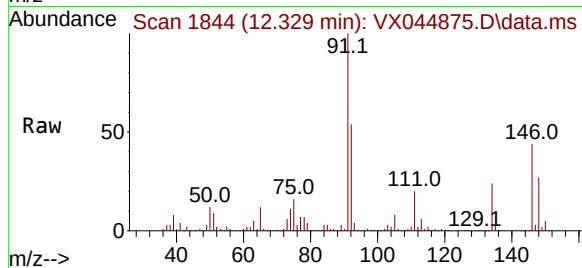
134 24.1 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 50.990 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044875.D

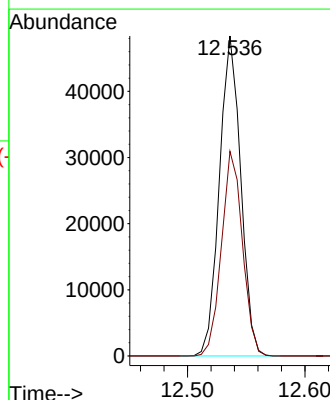
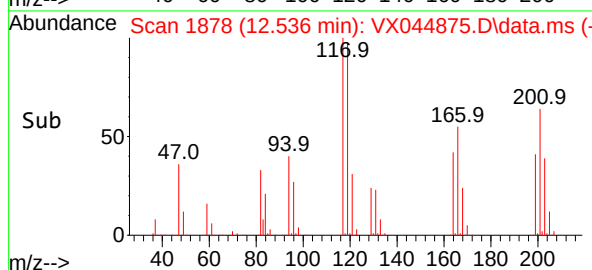
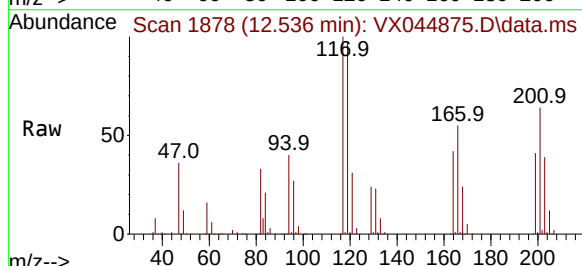
Acq: 10 Feb 2025 13:15

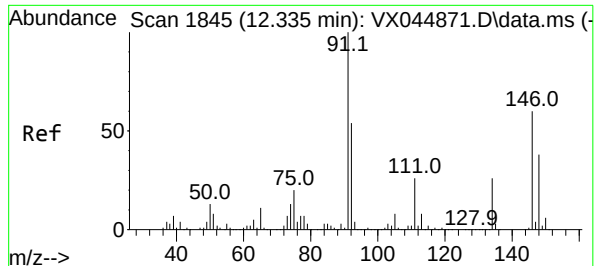
Tgt Ion:117 Resp: 61016

Ion Ratio Lower Upper

117 100

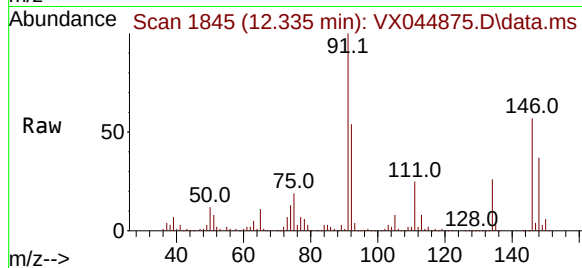
201 63.1 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

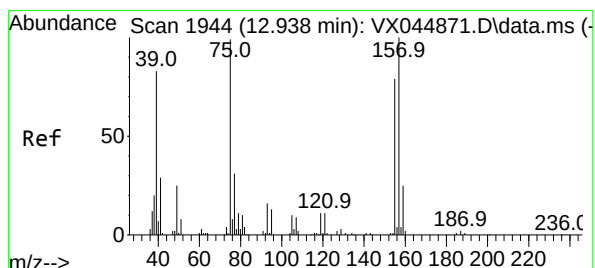
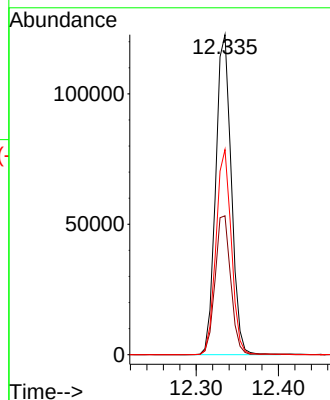
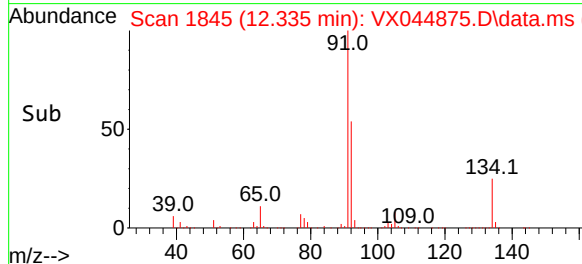
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



Tgt Ion:146 Resp: 161590
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.3 31.9 95.9

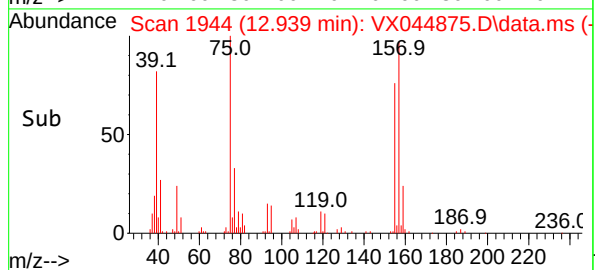
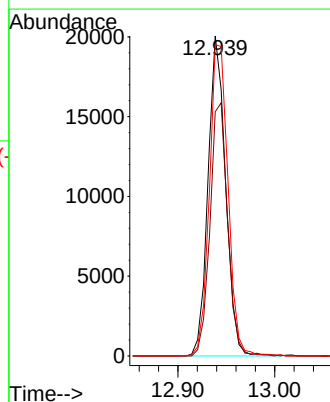
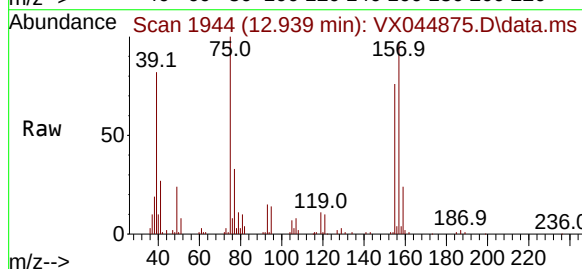
Manual Integrations
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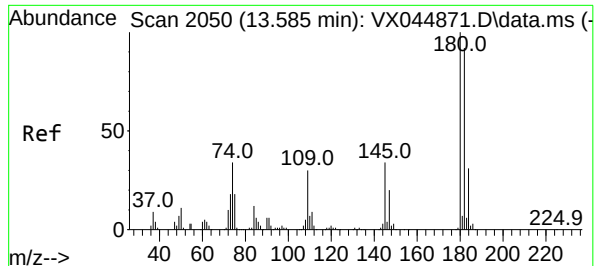
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339
Ion Ratio Lower Upper
75 100
155 79.5 40.5 121.4
157 103.5 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 52.726 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

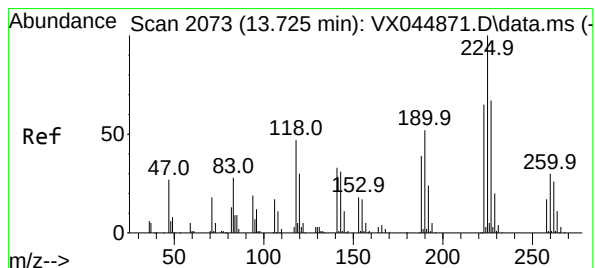
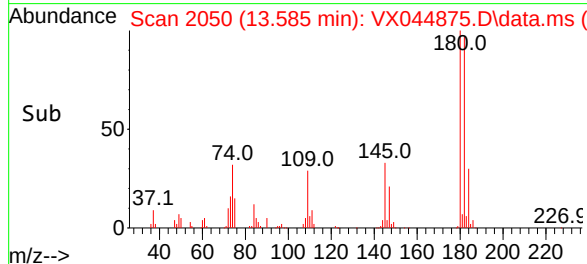
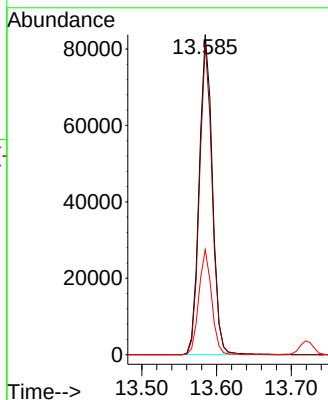
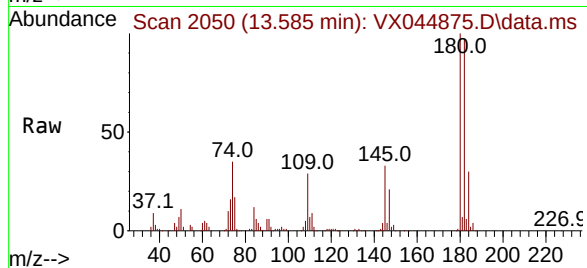
ICVVX021025

Tgt Ion:180	Resp: 10219
Ion Ratio	Lower Upper
180 100	
182 94.1	47.6 142.8
145 31.9	16.4 49.1

Manual Integrations
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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 50.683 ug/l

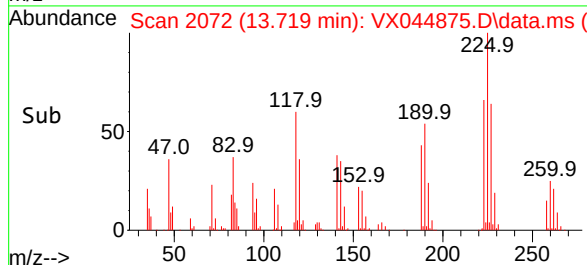
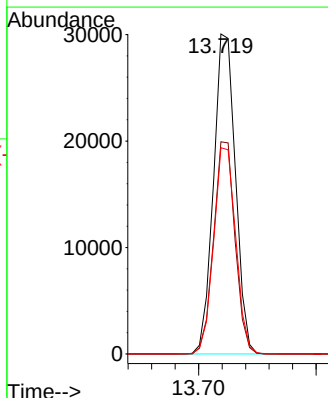
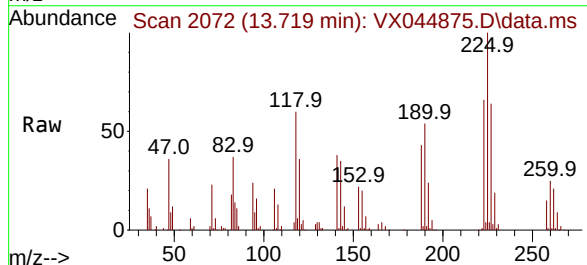
RT: 13.719 min Scan# 2072

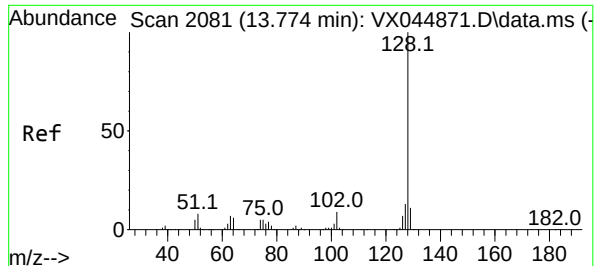
Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:225	Resp: 38998
Ion Ratio	Lower Upper
225 100	
223 64.9	31.4 94.2
227 64.8	32.3 96.8





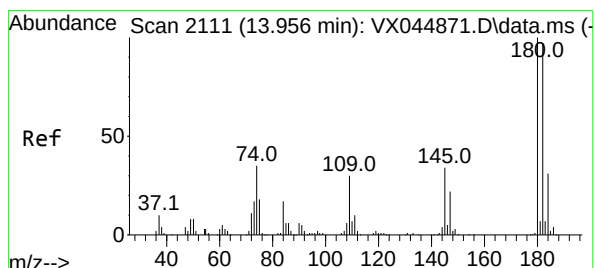
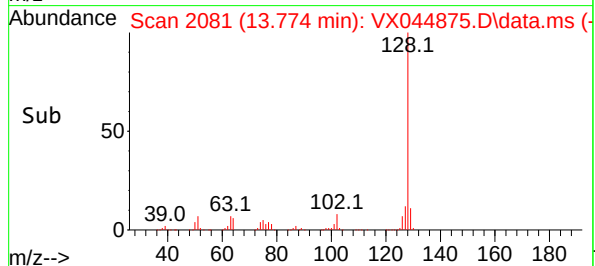
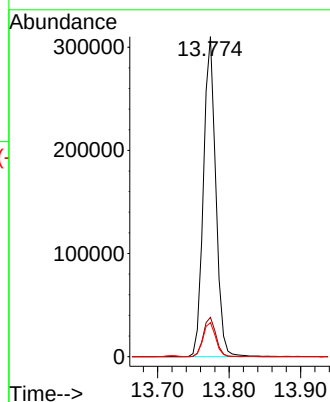
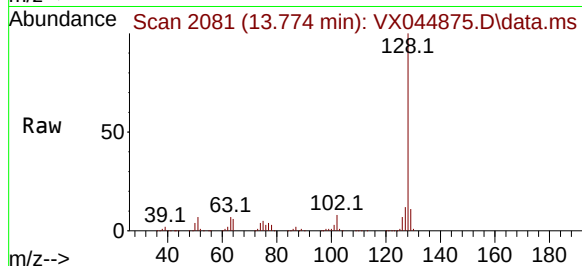
#95
Naphthalene
Concen: 53.033 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion:128 Resp: 371570
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.9 13.3

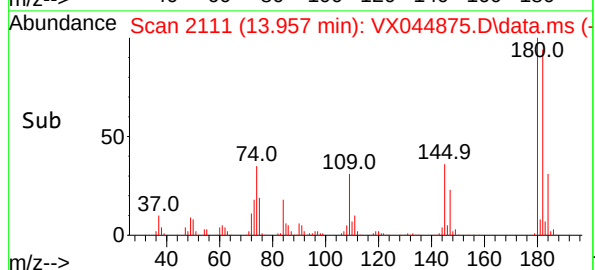
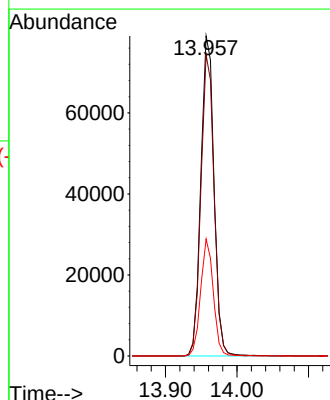
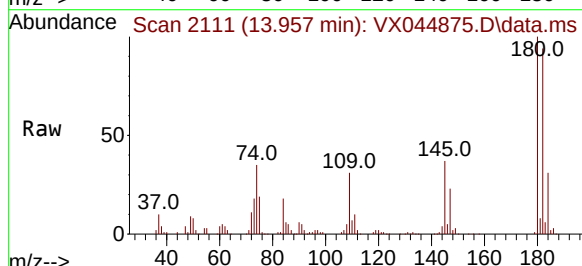
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:180 Resp: 100730
Ion Ratio Lower Upper
180 100
182 94.3 47.9 143.6
145 35.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
Data File : WX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	106	0.00
2 T	Dichlorodifluoromethane	0.701	0.690	1.6	105	0.00
3 P	Chloromethane	0.854	0.812	4.9	102	0.00
4 C	Vinyl Chloride	0.827	0.778	5.9#	102	0.00
5 T	Bromomethane	0.247	0.231	6.5	99	0.00
6 T	Chloroethane	0.307	0.279	9.1	87	0.00
7 T	Trichlorofluoromethane	1.046	1.016	2.9	105	0.00
8 T	Diethyl Ether	0.379	0.361	4.7	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.639	-1.1	109	0.00
10 T	Methyl Iodide	0.819	0.820	-0.1	103	0.00
11 T	Tert butyl alcohol	0.136	0.137	-0.7	107	0.00
12 CM	1,1-Dichloroethene	0.644	0.618	4.0#	104	0.00
13 T	Acrolein	0.140	0.135	3.6	101	0.00
14 T	Allyl chloride	1.165	1.141	2.1	105	0.00
15 T	Acrylonitrile	0.363	0.365	-0.6	102	0.00
16 T	Acetone	0.294	0.303	-3.1	110	0.00
17 T	Carbon Disulfide	1.767	1.749	1.0	105	0.00
18 T	Methyl Acetate	0.928	0.927	0.1	104	0.00
19 T	Methyl tert-butyl Ether	2.050	2.028	1.1	105	0.00
20 T	Methylene Chloride	0.721	0.692	4.0	104	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.623	1.7	103	0.00
22 T	Diisopropyl ether	2.203	2.210	-0.3	105	0.00
23 T	Vinyl Acetate	1.796	1.850	-3.0	106	0.00
24 P	1,1-Dichloroethane	1.233	1.216	1.4	105	0.00
25 T	2-Butanone	0.478	0.493	-3.1	104	0.00
26 T	2,2-Dichloropropane	0.978	0.983	-0.5	110	0.00
27 T	cis-1,2-Dichloroethene	0.762	0.754	1.0	106	0.00
28 T	Bromochloromethane	0.593	0.536	9.6	98	0.00
29 T	Tetrahydrofuran	0.317	0.321	-1.3	104	0.00
30 C	Chloroform	1.196	1.157	3.3#	105	0.00
31 T	Cyclohexane	1.137	1.119	1.6	106	0.00
32 T	1,1,1-Trichloroethane	1.014	0.990	2.4	105	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.704	3.8	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.325	0.320	1.5	105	0.00
36 T	1,1-Dichloropropene	0.469	0.457	2.6	103	0.00
37 T	Ethyl Acetate	0.522	0.514	1.5	102	0.00
38 T	Carbon Tetrachloride	0.460	0.451	2.0	104	0.00
39 T	Methylcyclohexane	0.606	0.646	-6.6	109	0.00
40 TM	Benzene	1.465	1.462	0.2	104	0.00
41 T	Methacrylonitrile	0.279	0.300	-7.5	104	0.00
42 TM	1,2-Dichloroethane	0.467	0.471	-0.9	105	0.00
43 T	Isopropyl Acetate	0.842	0.873	-3.7	104	0.00
44 TM	Trichloroethene	0.335	0.334	0.3	105	0.00
45 C	1,2-Dichloropropane	0.364	0.367	-0.8#	105	0.00
46 T	Dibromomethane	0.253	0.250	1.2	103	0.00
47 T	Bromodichloromethane	0.489	0.499	-2.0	105	0.00
48 T	Methyl methacrylate	0.397	0.420	-5.8	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.009	0.0	101	0.00
50 S	Toluene-d8	1.229	1.221	0.7	103	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.543	-6.1	103	0.00
52 CM	Toluene	0.872	0.884	-1.4#	103	0.00
53 T	t-1,3-Dichloropropene	0.495	0.532	-7.5	109	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.585	-6.0	106	0.00
55 T	1,1,2-Trichloroethane	0.335	0.341	-1.8	105	0.00
56 T	Ethyl methacrylate	0.542	0.586	-8.1	106	0.00
57 T	1,3-Dichloropropane	0.587	0.597	-1.7	103	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.302	-13.5	110	0.00
59 T	2-Hexanone	0.369	0.398	-7.9	103	0.00
60 T	Dibromochloromethane	0.359	0.371	-3.3	104	0.00
61 T	1,2-Dibromoethane	0.340	0.350	-2.9	105	0.00
62 S	4-Bromofluorobenzene	0.414	0.429	-3.6	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.315	0.312	1.0	105	0.00
65 PM	Chlorobenzene	1.074	1.094	-1.9	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.354	-2.3	104	0.00
67 C	Ethyl Benzene	1.895	1.949	-2.8#	105	0.00
68 T	m/p-Xylenes	0.699	0.729	-4.3	105	0.00
69 T	o-Xylene	0.701	0.713	-1.7	105	0.00
70 T	Styrene	1.130	1.210	-7.1	105	0.00
71 P	Bromoform	0.258	0.279	-8.1	103	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	4.026	4.020	0.1	104	0.00
74 T	N-amyl acetate	1.822	1.917	-5.2	106	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.337	3.3	103	0.00
76 T	1,2,3-Trichloropropane	1.109	1.101	0.7	104	0.00
77 T	Bromobenzene	0.913	0.908	0.5	104	0.00
78 T	n-propylbenzene	4.647	4.776	-2.8	106	0.00
79 T	2-Chlorotoluene	2.856	2.803	1.9	103	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.329	-1.9	105	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.454	-5.3	109	0.00
82 T	4-Chlorotoluene	3.160	3.215	-1.7	105	0.00
83 T	tert-Butylbenzene	3.305	3.314	-0.3	105	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	104	0.00
85 T	sec-Butylbenzene	4.093	4.225	-3.2	107	0.00
86 T	p-Isopropyltoluene	3.291	3.461	-5.2	107	0.00
87 T	1,3-Dichlorobenzene	1.678	1.694	-1.0	106	0.00
88 T	1,4-Dichlorobenzene	1.697	1.681	0.9	105	0.00
89 T	n-Butylbenzene	2.912	3.211	-10.3	108	0.00
90 T	Hexachloroethane	0.616	0.628	-1.9	107	0.00
91 T	1,2-Dichlorobenzene	1.650	1.664	-0.8	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.261	-3.6	106	0.00
93 T	1,2,4-Trichlorobenzene	0.998	1.053	-5.5	109	0.00
94 T	Hexachlorobutadiene	0.396	0.402	-1.5	110	0.00
95 T	Naphthalene	3.608	3.827	-6.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.038	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	106	0.00
2 T	Dichlorodifluoromethane	50.000	49.173	1.7	105	0.00
3 P	Chloromethane	50.000	47.590	4.8	102	0.00
4 C	Vinyl Chloride	50.000	47.033	5.9#	102	0.00
5 T	Bromomethane	50.000	46.719	6.6	99	0.00
6 T	Chloroethane	50.000	42.198	15.6	87	0.00
7 T	Trichlorofluoromethane	50.000	48.558	2.9	105	0.00
8 T	Diethyl Ether	50.000	47.544	4.9	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.588	-1.2	109	0.00
10 T	Methyl Iodide	50.000	50.082	-0.2	103	0.00
11 T	Tert butyl alcohol	250.000	251.791	-0.7	107	0.00
12 CM	1,1-Dichloroethene	50.000	47.935	4.1#	104	0.00
13 T	Acrolein	250.000	240.879	3.6	101	0.00
14 T	Allyl chloride	50.000	48.976	2.0	105	0.00
15 T	Acrylonitrile	250.000	251.537	-0.6	102	0.00
16 T	Acetone	250.000	257.198	-2.9	110	0.00
17 T	Carbon Disulfide	50.000	49.472	1.1	105	0.00
18 T	Methyl Acetate	50.000	49.920	0.2	104	0.00
19 T	Methyl tert-butyl Ether	50.000	49.453	1.1	105	0.00
20 T	Methylene Chloride	50.000	47.978	4.0	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.129	1.7	103	0.00
22 T	Diisopropyl ether	50.000	50.138	-0.3	105	0.00
23 T	Vinyl Acetate	250.000	257.465	-3.0	106	0.00
24 P	1,1-Dichloroethane	50.000	49.329	1.3	105	0.00
25 T	2-Butanone	250.000	258.175	-3.3	104	0.00
26 T	2,2-Dichloropropane	50.000	50.285	-0.6	110	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.493	1.0	106	0.00
28 T	Bromochloromethane	50.000	45.250	9.5	98	0.00
29 T	Tetrahydrofuran	250.000	253.318	-1.3	104	0.00
30 C	Chloroform	50.000	48.393	3.2#	105	0.00
31 T	Cyclohexane	50.000	49.211	1.6	106	0.00
32 T	1,1,1-Trichloroethane	50.000	48.825	2.3	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.061	3.9	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	49.173	1.7	105	0.00
36 T	1,1-Dichloropropene	50.000	48.702	2.6	103	0.00
37 T	Ethyl Acetate	50.000	49.300	1.4	102	0.00
38 T	Carbon Tetrachloride	50.000	49.083	1.8	104	0.00
39 T	Methylcyclohexane	50.000	53.254	-6.5	109	0.00
40 TM	Benzene	50.000	49.919	0.2	104	0.00
41 T	Methacrylonitrile	50.000	53.741	-7.5	104	0.00
42 TM	1,2-Dichloroethane	50.000	50.410	-0.8	105	0.00
43 T	Isopropyl Acetate	50.000	51.798	-3.6	104	0.00
44 TM	Trichloroethene	50.000	49.917	0.2	105	0.00
45 C	1,2-Dichloropropane	50.000	50.387	-0.8#	105	0.00
46 T	Dibromomethane	50.000	49.540	0.9	103	0.00
47 T	Bromodichloromethane	50.000	50.980	-2.0	105	0.00
48 T	Methyl methacrylate	50.000	52.848	-5.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1021.138	-2.1	101	0.00
50 S	Toluene-d8	50.000	49.649	0.7	103	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.112	-6.0	103	0.00
52 CM	Toluene	50.000	50.680	-1.4#	103	0.00
53 T	t-1,3-Dichloropropene	50.000	53.731	-7.5	109	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.986	-6.0	106	0.00
55 T	1,1,2-Trichloroethane	50.000	50.811	-1.6	105	0.00
56 T	Ethyl methacrylate	50.000	54.068	-8.1	106	0.00
57 T	1,3-Dichloropropane	50.000	50.852	-1.7	103	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	284.352	-13.7	110	0.00
59 T	2-Hexanone	250.000	269.951	-8.0	103	0.00
60 T	Dibromochloromethane	50.000	51.673	-3.3	104	0.00
61 T	1,2-Dibromoethane	50.000	51.436	-2.9	105	0.00
62 S	4-Bromofluorobenzene	50.000	51.786	-3.6	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	49.424	1.2	105	0.00
65 PM	Chlorobenzene	50.000	50.952	-1.9	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.205	-2.4	104	0.00
67 C	Ethyl Benzene	50.000	51.415	-2.8#	105	0.00
68 T	m/p-Xylenes	100.000	104.282	-4.3	105	0.00
69 T	o-Xylene	50.000	50.804	-1.6	105	0.00
70 T	Styrene	50.000	53.521	-7.0	105	0.00
71 P	Bromoform	50.000	53.997	-8.0	103	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	49.921	0.2	104	0.00
74 T	N-amyl acetate	50.000	52.621	-5.2	106	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.331	3.3	103	0.00
76 T	1,2,3-Trichloropropane	50.000	49.659	0.7	104	0.00
77 T	Bromobenzene	50.000	49.725	0.5	104	0.00
78 T	n-propylbenzene	50.000	51.386	-2.8	106	0.00
79 T	2-Chlorotoluene	50.000	49.065	1.9	103	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.956	-1.9	105	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.665	-5.3	109	0.00
82 T	4-Chlorotoluene	50.000	50.872	-1.7	105	0.00
83 T	tert-Butylbenzene	50.000	50.139	-0.3	105	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.593	-3.2	104	0.00
85 T	sec-Butylbenzene	50.000	51.617	-3.2	107	0.00
86 T	p-Isopropyltoluene	50.000	52.581	-5.2	107	0.00
87 T	1,3-Dichlorobenzene	50.000	50.475	-1.0	106	0.00
88 T	1,4-Dichlorobenzene	50.000	49.526	0.9	105	0.00
89 T	n-Butylbenzene	50.000	55.142	-10.3	108	0.00
90 T	Hexachloroethane	50.000	50.990	-2.0	107	0.00
91 T	1,2-Dichlorobenzene	50.000	50.447	-0.9	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.684	-3.4	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.726	-5.5	109	0.00
94 T	Hexachlorobutadiene	50.000	50.683	-1.4	110	0.00
95 T	Naphthalene	50.000	53.033	-6.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.575	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352 SDG No.: Q1352

Instrument ID: MSVOA_X Calibration Date/Time: 02/14/2025 10:04

Lab File ID: VX044948.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.827	0.803		-2.9	20
1,1-Dichloroethene	0.644	0.637		-1.09	20
2-Butanone	0.478	0.507		6.07	20
Carbon Tetrachloride	0.460	0.493		7.17	20
Chloroform	1.196	1.212		1.34	20
Benzene	1.465	1.515		3.41	20
1,2-Dichloroethane	0.467	0.510		9.21	20
Trichloroethene	0.335	0.353		5.37	20
Tetrachloroethene	0.315	0.332		5.4	20
Chlorobenzene	1.074	1.118	0.3	4.1	20
1,2-Dichloroethane-d4	0.732	0.726		-0.82	20
Dibromofluoromethane	0.325	0.335		3.08	20
Toluene-d8	1.229	1.231		0.16	20
4-Bromofluorobenzene	0.414	0.440		6.28	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044948.D
 Acq On : 14 Feb 2025 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	111649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	194847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	171164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81025	49.577	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.160%			
35) Dibromofluoromethane	5.373	113	65208	51.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	8.640	98	239910	50.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	85808	53.134	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83333	53.216	ug/l	100
3) Chloromethane	1.300	50	95413	50.063	ug/l	98
4) Vinyl Chloride	1.373	62	89675	48.568	ug/l	100
5) Bromomethane	1.593	94	31780	57.519	ug/l	98
6) Chloroethane	1.666	64	48225	75.147	ug/l	99
7) Trichlorofluoromethane	1.873	101	122436	52.436	ug/l	99
8) Diethyl Ether	2.129	74	44034	52.000	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	73285	51.947	ug/l	99
10) Methyl Iodide	2.446	142	96895	52.995	ug/l	98
11) Tert butyl alcohol	2.971	59	74583	245.988	ug/l	99
12) 1,1-Dichloroethene	2.312	96	71069	49.386	ug/l	98
13) Acrolein	2.233	56	85239	272.483	ug/l	99
14) Allyl chloride	2.654	41	130324	50.110	ug/l	98
15) Acrylonitrile	3.056	53	210836	260.443	ug/l	98
16) Acetone	2.379	43	173217	263.641	ug/l	97
17) Carbon Disulfide	2.501	76	182069	46.138	ug/l	100
18) Methyl Acetate	2.696	43	109619	52.872	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	230346	50.309	ug/l	99
20) Methylene Chloride	2.782	84	79188	49.206	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	70029	49.443	ug/l	92
22) Diisopropyl ether	3.751	45	255981	52.025	ug/l	93
23) Vinyl Acetate	3.715	43	1041556	259.654	ug/l	99
24) 1,1-Dichloroethane	3.599	63	139363	50.620	ug/l	99
25) 2-Butanone	4.550	43	282901	265.167	ug/l	97
26) 2,2-Dichloropropane	4.458	77	108637	49.758	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	85121	50.033	ug/l	99
28) Bromochloromethane	4.885	49	66328	50.132	ug/l	100
29) Tetrahydrofuran	4.989	42	183098	258.456	ug/l	99
30) Chloroform	5.080	83	135270	50.664	ug/l	97
31) Cyclohexane	5.458	56	123125	48.511	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	114641	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	92569	50.648	ug/l	100
37) Ethyl Acetate	4.702	43	107447	52.854	ug/l	98
38) Carbon Tetrachloride	5.665	117	96084	53.647	ug/l	97
39) Methylcyclohexane	7.372	83	126678	53.611	ug/l	98
40) Benzene	6.025	78	295171	51.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044948.D
 Acq On : 14 Feb 2025 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:10:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	62502	57.439	ug/l	99
42) 1,2-Dichloroethane	6.080	62	99367	54.630	ug/l	99
43) Isopropyl Acetate	6.330	43	178056	54.238	ug/l	99
44) Trichloroethene	7.116	130	68729	52.686	ug/l	99
45) 1,2-Dichloropropane	7.421	63	73954	52.086	ug/l	98
46) Dibromomethane	7.574	93	52099	52.910	ug/l	99
47) Bromodichloromethane	7.817	83	104667	54.897	ug/l	94
48) Methyl methacrylate	7.683	41	84452	54.559	ug/l	98
49) 1,4-Dioxane	7.659	88	35851	1079.521	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	573871	287.542	ug/l	99
52) Toluene	8.714	92	177622	52.259	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	102427	53.088	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	115454	53.670	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	69992	53.569	ug/l	99
56) Ethyl methacrylate	9.110	69	113350	53.714	ug/l	96
57) 1,3-Dichloropropane	9.305	76	122833	53.730	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	281369	271.549	ug/l	100
59) 2-Hexanone	9.427	43	419224	291.536	ug/l	97
60) Dibromochloromethane	9.518	129	76923	55.049	ug/l	100
61) 1,2-Dibromoethane	9.604	107	70254	53.050	ug/l	99
64) Tetrachloroethene	9.268	164	56785	52.606	ug/l	96
65) Chlorobenzene	10.073	112	191305	52.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	63533	53.691	ug/l	99
67) Ethyl Benzene	10.189	91	341272	52.604	ug/l	98
68) m/p-Xylenes	10.299	106	253071	105.747	ug/l	99
69) o-Xylene	10.640	106	125488	52.257	ug/l	100
70) Styrene	10.652	104	212892	55.028	ug/l	99
71) Bromoform	10.799	173	50298	56.956	ug/l #	98
73) Isopropylbenzene	10.957	105	323452	50.759	ug/l	100
74) N-amyl acetate	10.841	43	151995	52.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	108280	49.450	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89855m	51.210	ug/l	
77) Bromobenzene	11.195	156	74813	51.785	ug/l	97
78) n-propylbenzene	11.299	91	383227	52.104	ug/l	100
79) 2-Chlorotoluene	11.359	91	227346	50.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	269593	52.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34484	50.555	ug/l	95
82) 4-Chlorotoluene	11.451	91	260241	52.037	ug/l	100
83) tert-Butylbenzene	11.713	119	271023	51.808	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	273444	53.576	ug/l	98
85) sec-Butylbenzene	11.890	105	345172	53.285	ug/l	99
86) p-Isopropyltoluene	12.006	119	281168	53.974	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	138952	52.302	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	137282	51.107	ug/l	98
89) n-Butylbenzene	12.329	91	259957	56.406	ug/l	100
90) Hexachloroethane	12.536	117	50444	51.715	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	134948	51.683	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21467	53.715	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	83444	52.814	ug/l	100
94) Hexachlorobutadiene	13.725	225	33686	53.707	ug/l	100
95) Naphthalene	13.774	128	298494	52.263	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	84247	52.918	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

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

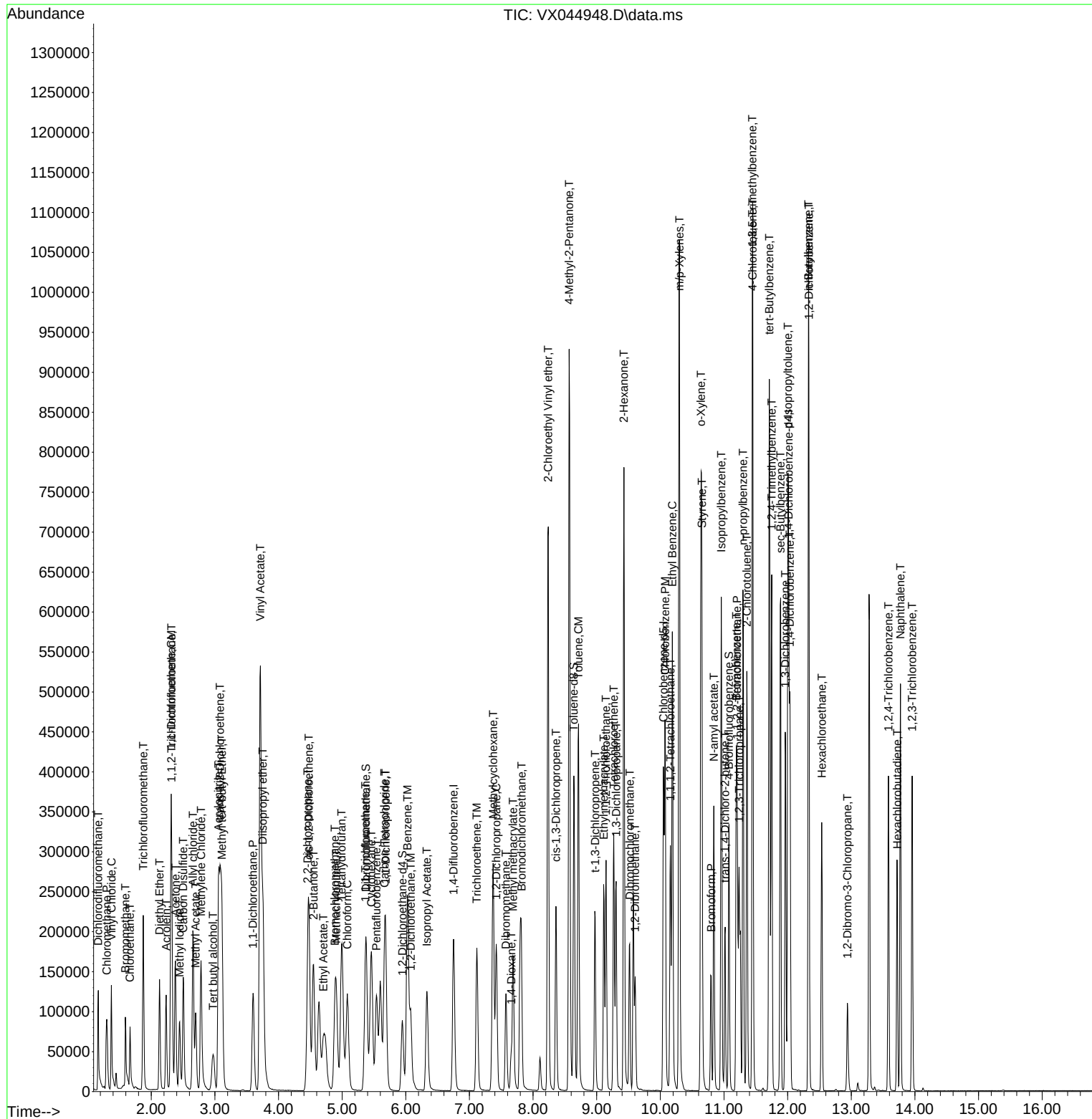
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On    : 14 Feb 2025  10:04
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2      Sample Multiplier: 1
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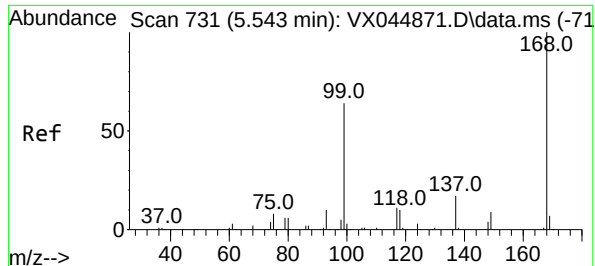
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 02/18/2025
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Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration





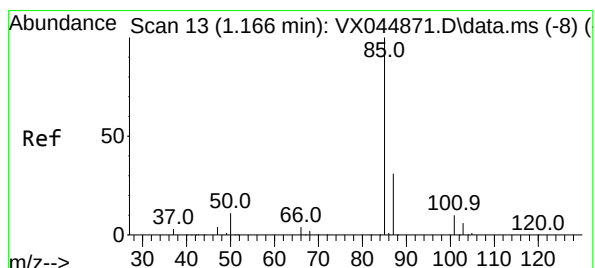
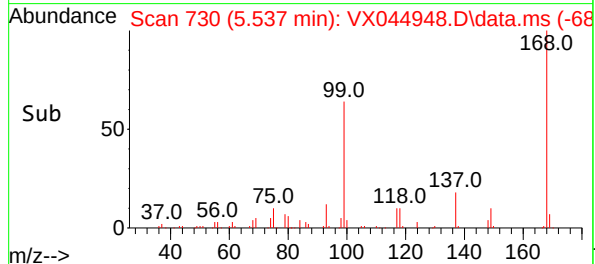
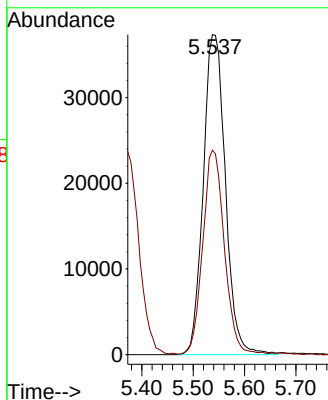
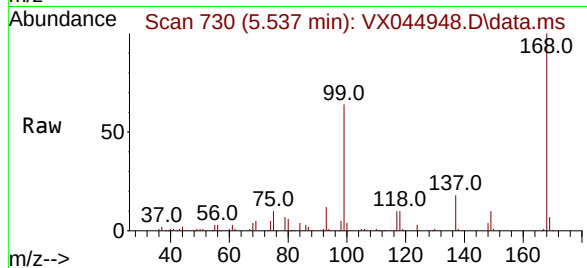
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 111649
Ion Ratio Lower Upper
168 100
99 63.7 51.2 76.8

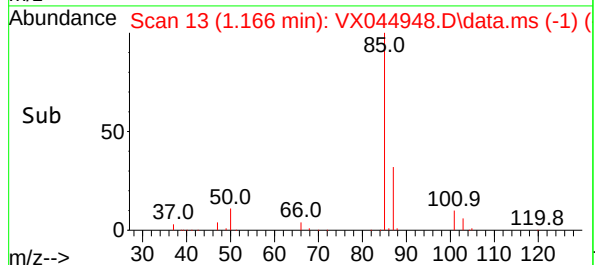
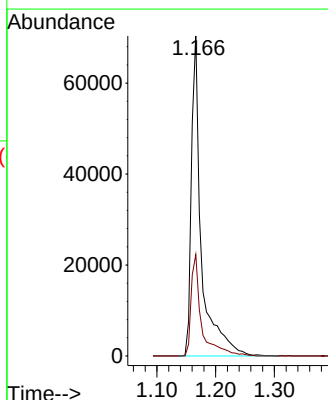
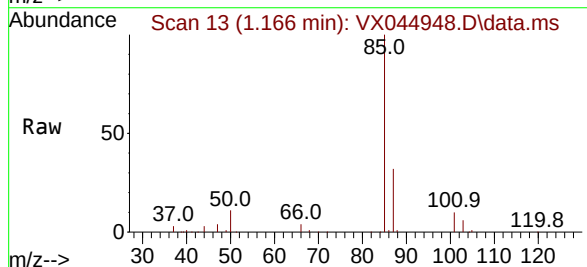
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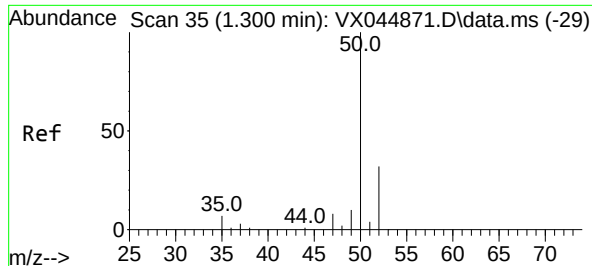
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#2
Dichlorodifluoromethane
Concen: 53.216 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 85 Resp: 83333
Ion Ratio Lower Upper
85 100
87 31.7 15.8 47.3





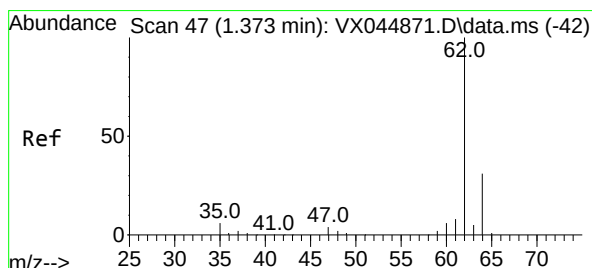
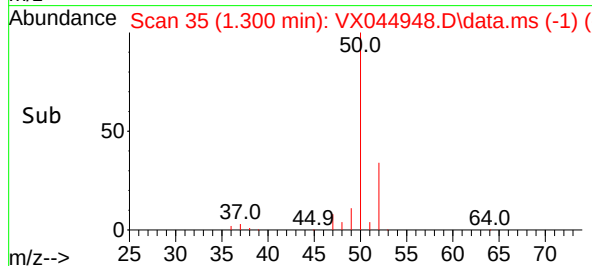
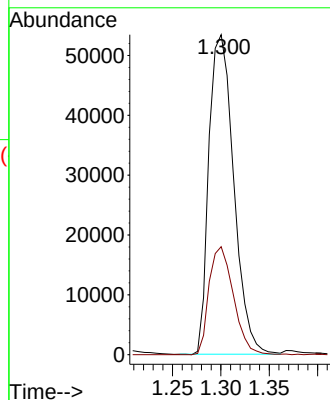
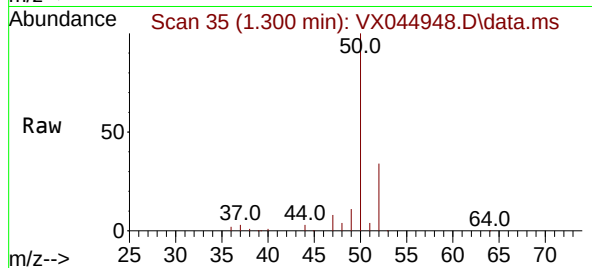
#3
Chloromethane
Concen: 50.063 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 9541
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9

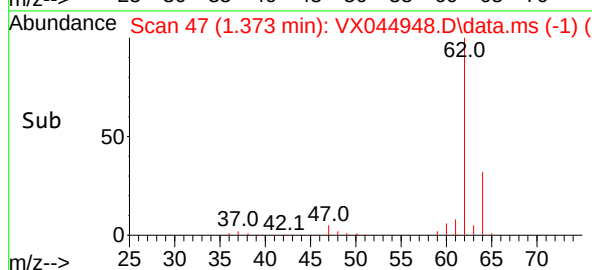
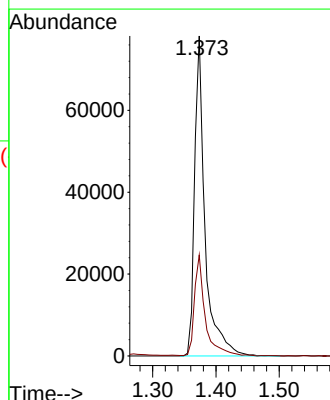
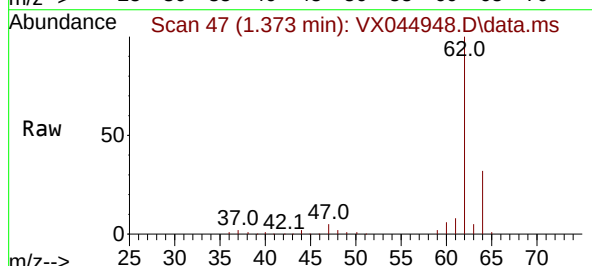
Manual Integrations
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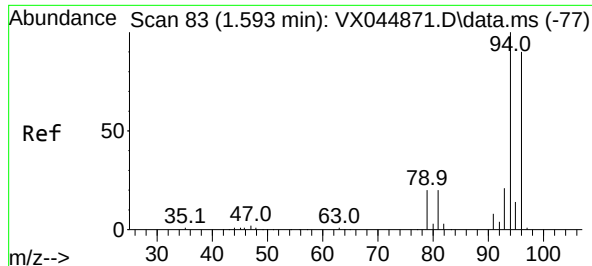
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#4
Vinyl Chloride
Concen: 48.568 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 62 Resp: 89675
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.0





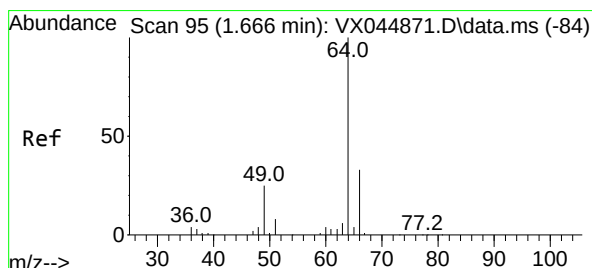
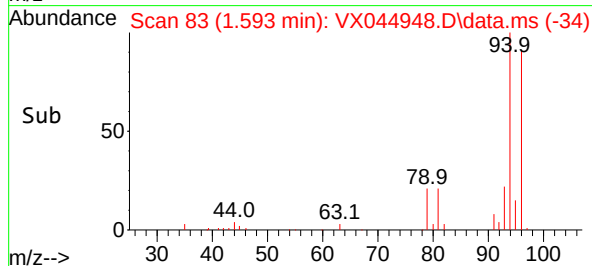
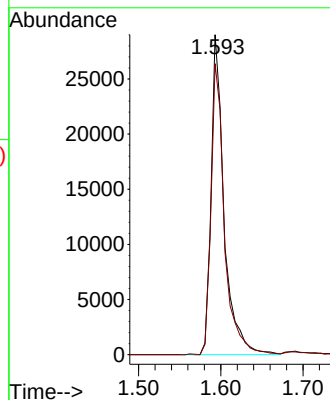
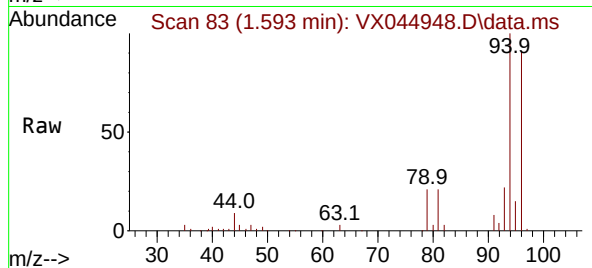
#5
Bromomethane
Concen: 57.519 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 31780
Ion Ratio Lower Upper
94 100
96 91.0 71.6 107.4

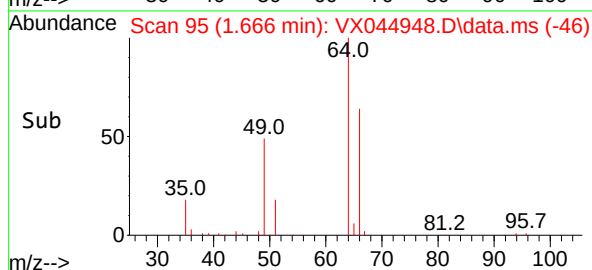
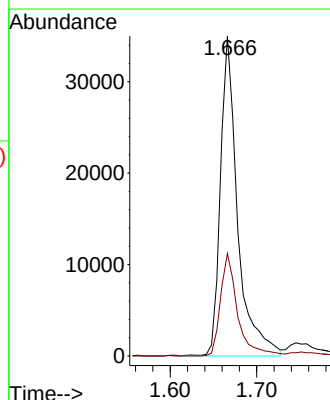
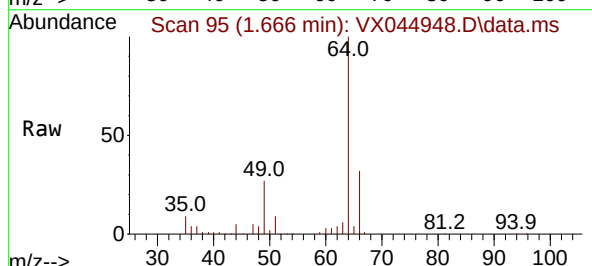
Manual Integrations
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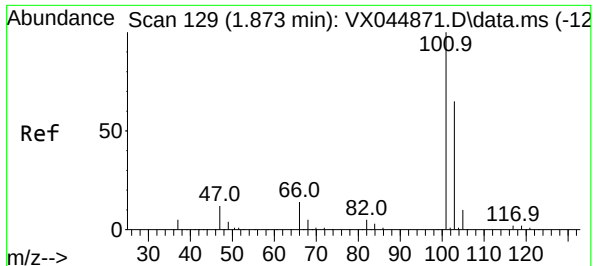
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#6
Chloroethane
Concen: 75.147 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

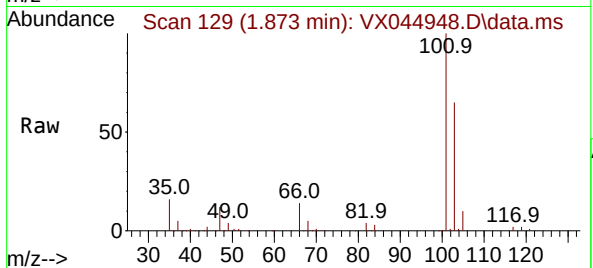
Tgt Ion: 64 Resp: 48225
Ion Ratio Lower Upper
64 100
66 32.0 25.9 38.9





#7
Trichlorofluoromethane
Concen: 52.436 ug/l
RT: 1.873 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

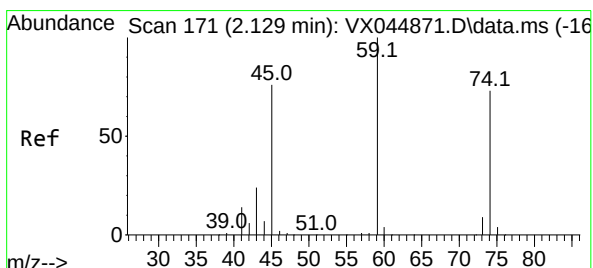
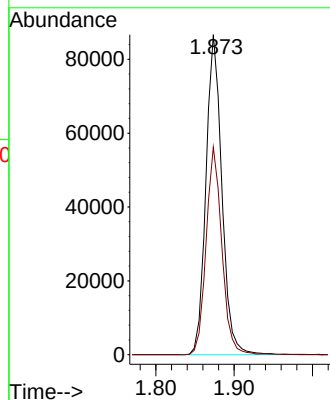
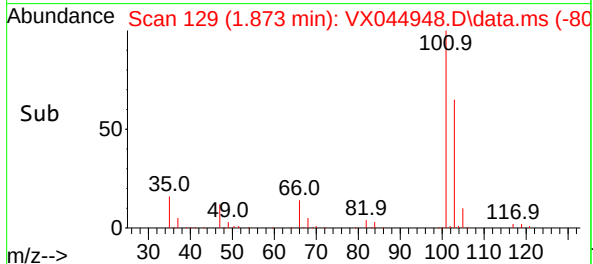
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



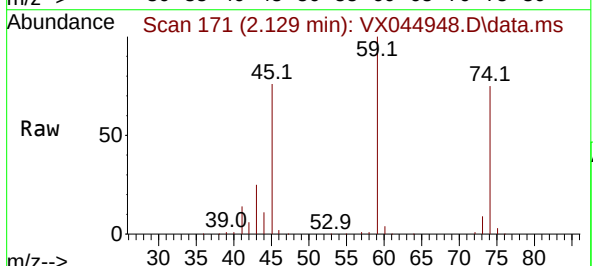
Tgt Ion:101 Resp: 122436
Ion Ratio Lower Upper
101 100
103 64.9 52.4 78.6

Manual Integrations
APPROVED

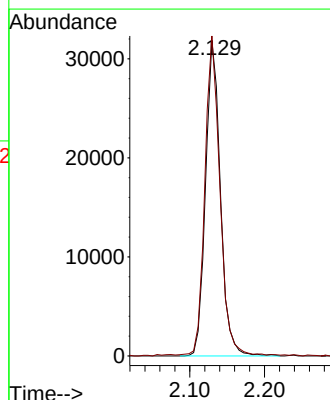
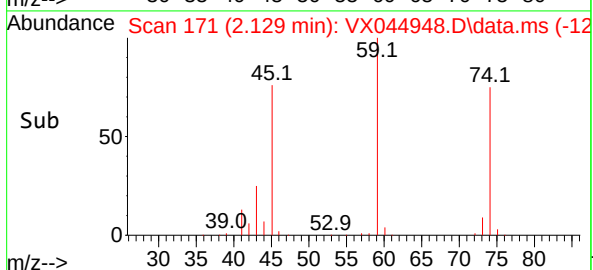
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

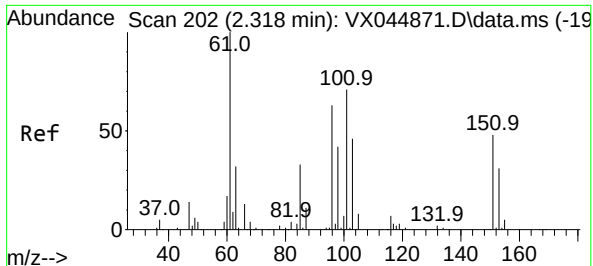


#8
Diethyl Ether
Concen: 52.000 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04



Tgt Ion: 74 Resp: 44034
Ion Ratio Lower Upper
74 100
45 103.4 51.1 153.4





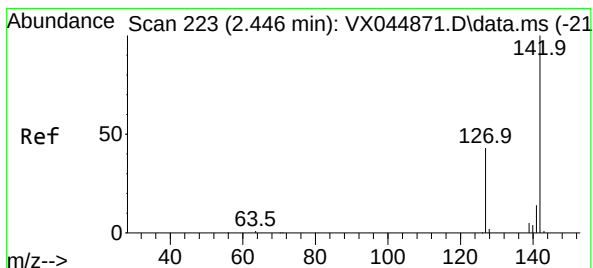
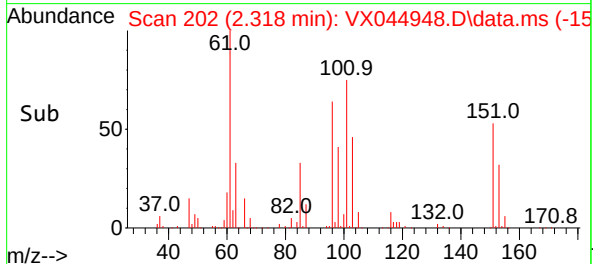
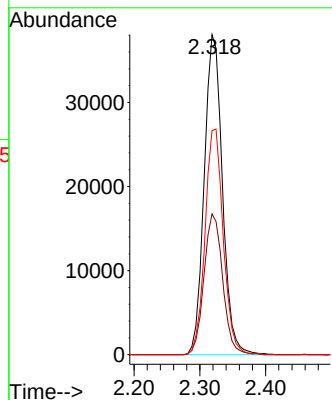
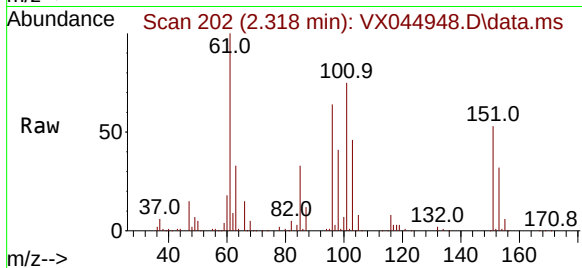
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.947 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 73285
Ion Ratio Lower Upper
101 100
85 45.1 35.7 53.5
151 70.7 56.0 84.0

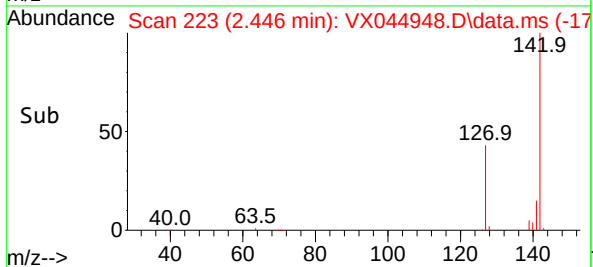
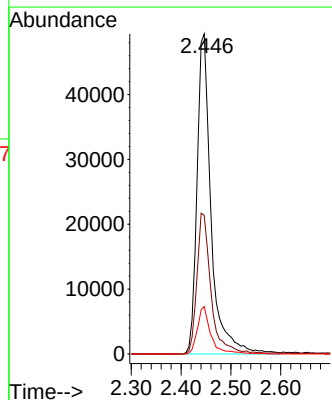
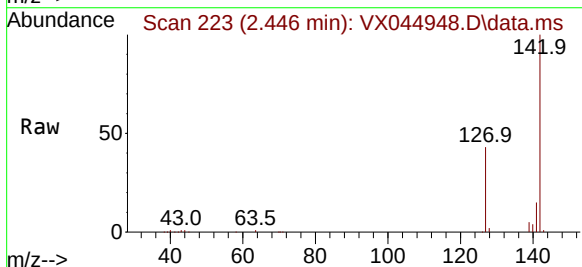
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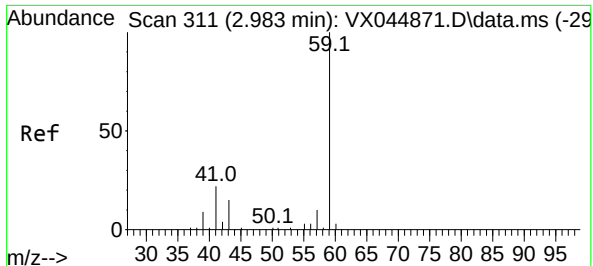
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#10
Methyl Iodide
Concen: 52.995 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:142 Resp: 96895
Ion Ratio Lower Upper
142 100
127 44.3 34.3 51.5
141 14.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 245.988 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 7458

Ion Ratio Lower Upper

59 100

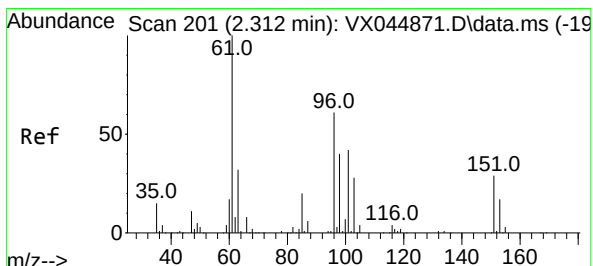
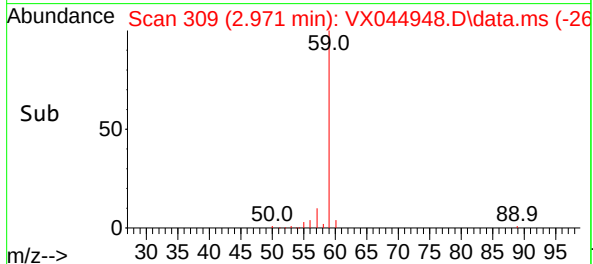
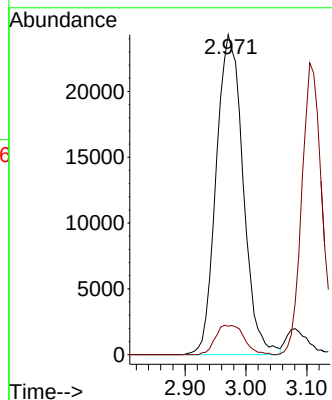
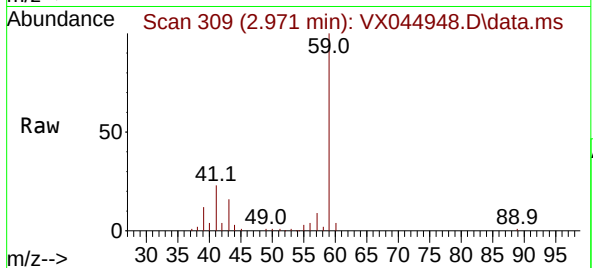
57 9.8 8.1 12.1

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#12

1,1-Dichloroethene

Concen: 49.386 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

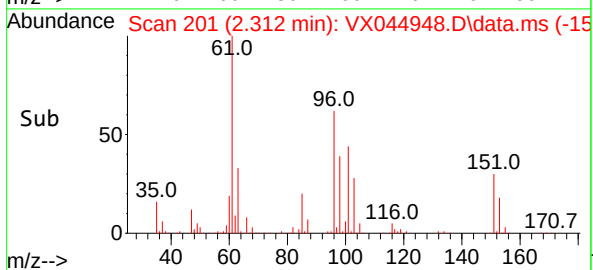
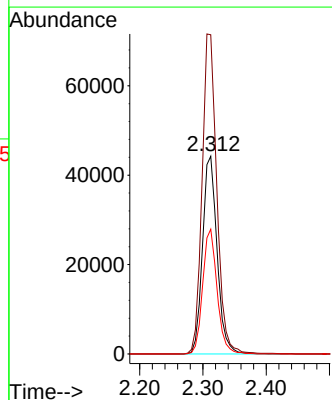
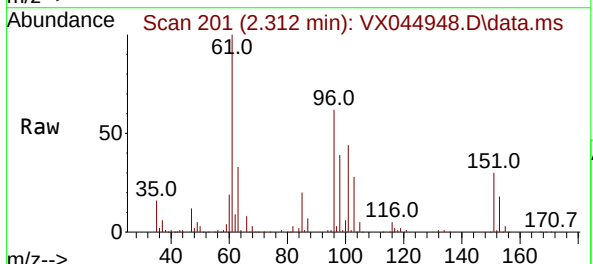
Tgt Ion: 96 Resp: 71069

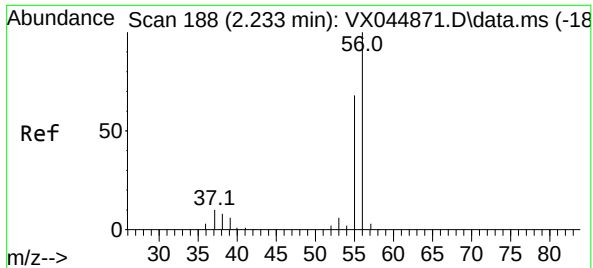
Ion Ratio Lower Upper

96 100

61 161.4 130.2 195.4

98 63.1 52.2 78.4





#13

Acrolein

Concen: 272.483 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

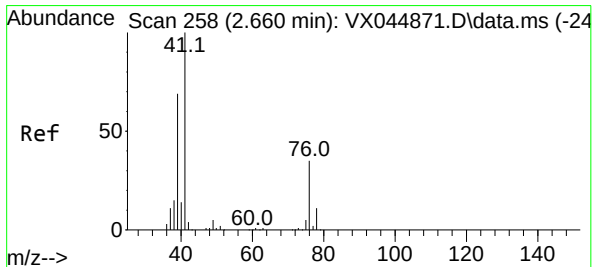
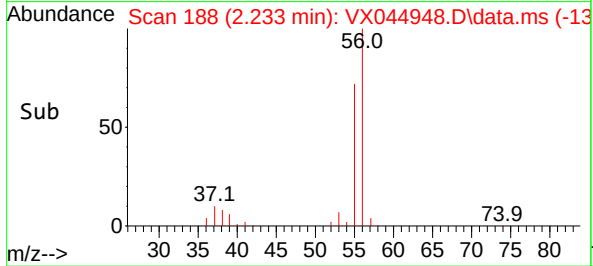
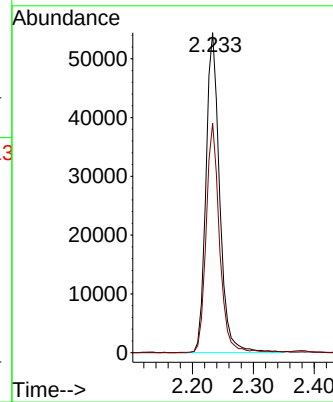
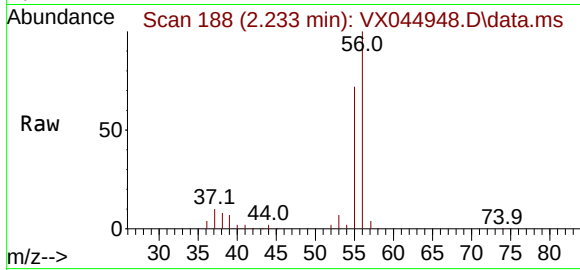
ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 85239
Ion Ratio Lower Upper
56 100
55 70.2 55.7 83.5

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Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#14

Allyl chloride

Concen: 50.110 ug/l

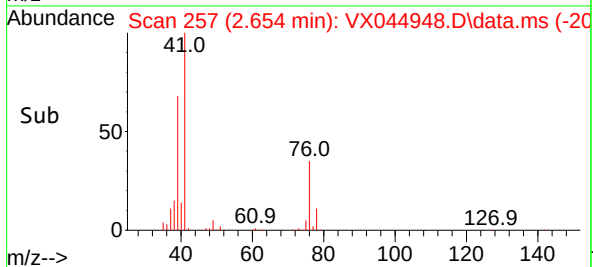
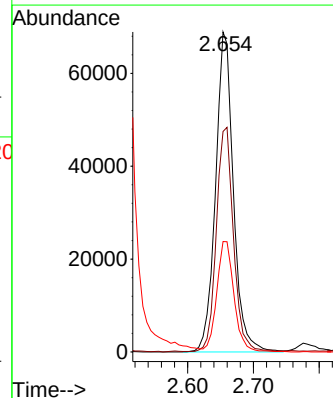
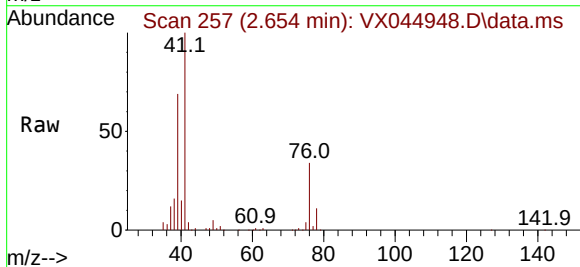
RT: 2.654 min Scan# 257

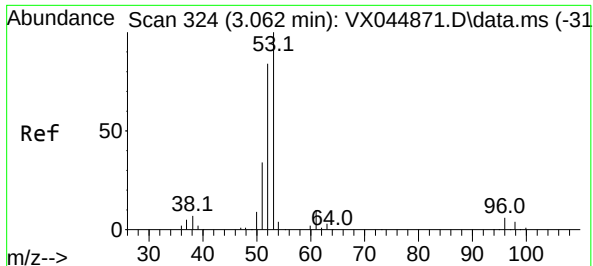
Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Tgt Ion: 41 Resp: 130324
Ion Ratio Lower Upper
41 100
39 67.0 51.4 77.2
76 33.4 27.0 40.4





#15

Acrylonitrile

Concen: 260.443 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 210830

Ion Ratio Lower Upper

53 100

52 82.9 65.0 97.6

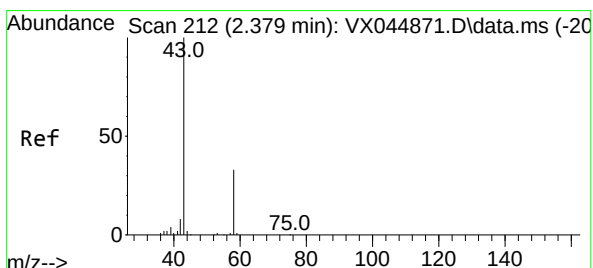
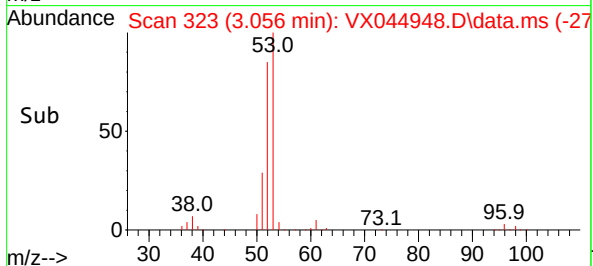
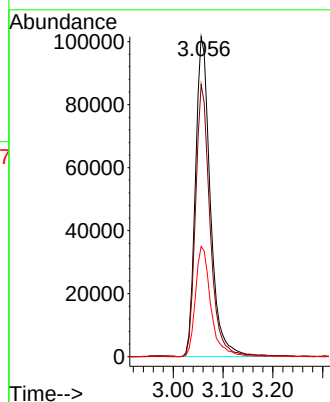
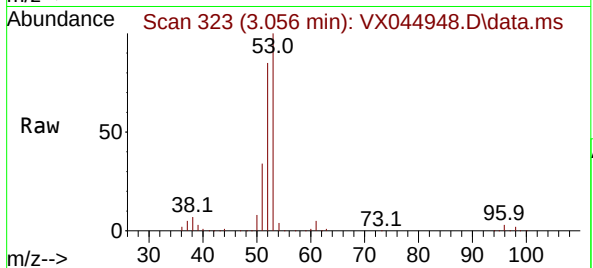
51 35.8 28.0 42.0

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#16

Acetone

Concen: 263.641 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044948.D

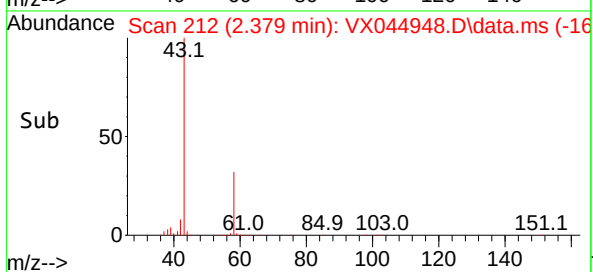
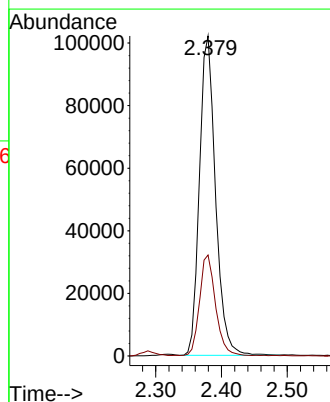
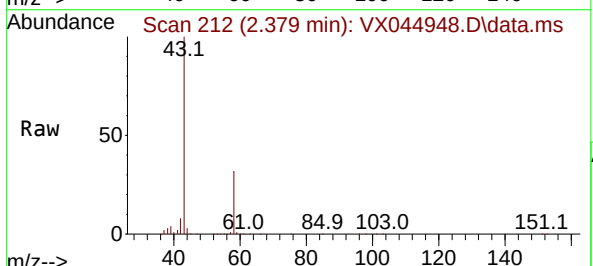
Acq: 14 Feb 2025 10:04

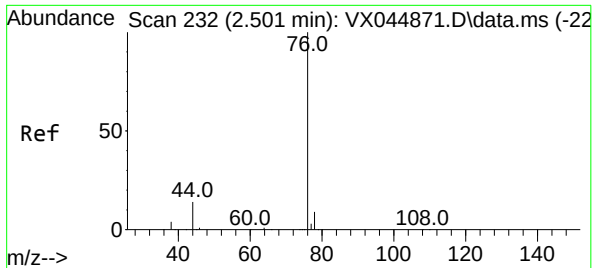
Tgt Ion: 43 Resp: 173217

Ion Ratio Lower Upper

43 100

58 31.5 26.5 39.7





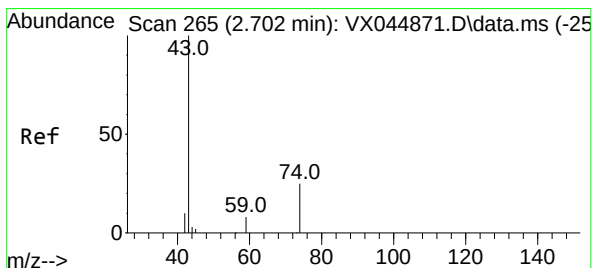
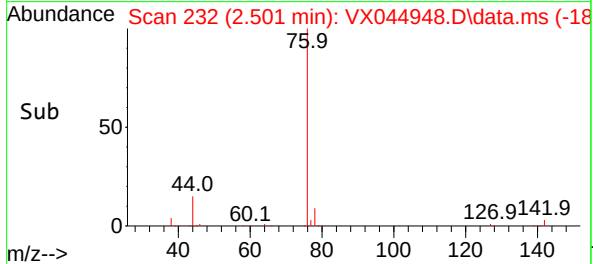
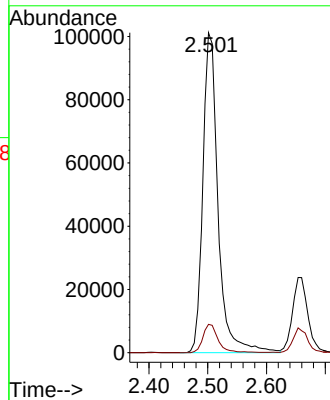
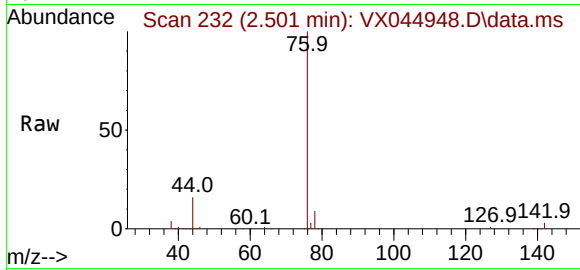
#17
Carbon Disulfide
Concen: 46.138 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 182069
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

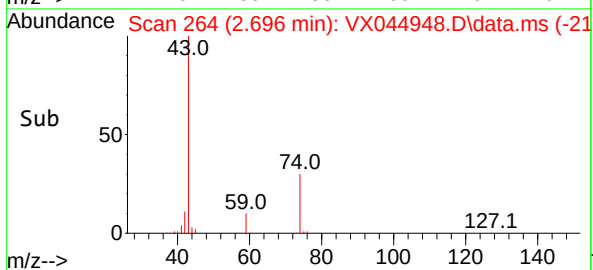
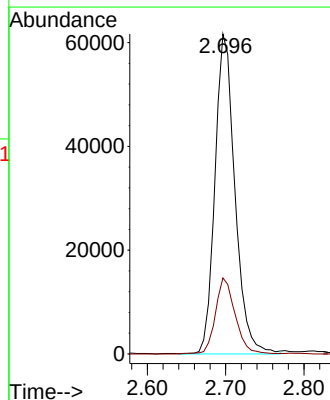
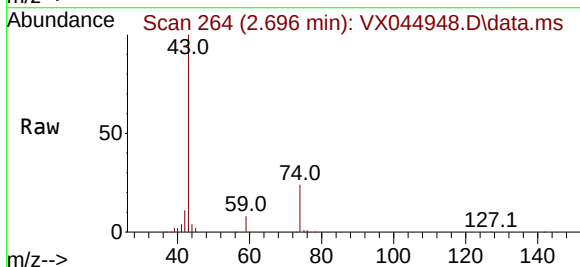
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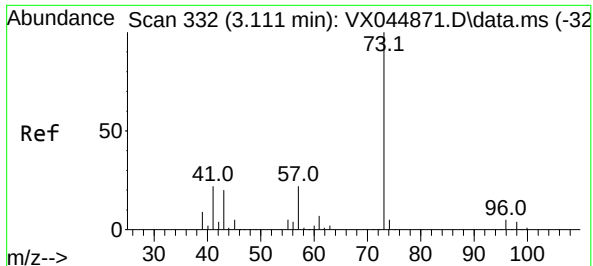
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#18
Methyl Acetate
Concen: 52.872 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 43 Resp: 109619
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 50.309 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 230340

Ion Ratio Lower Upper

73 100

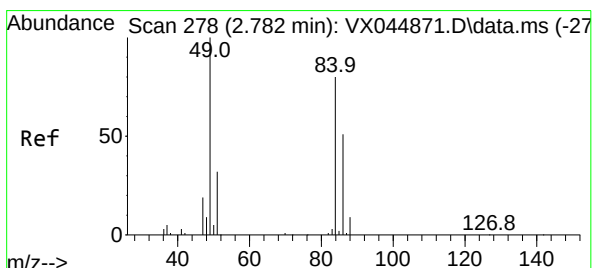
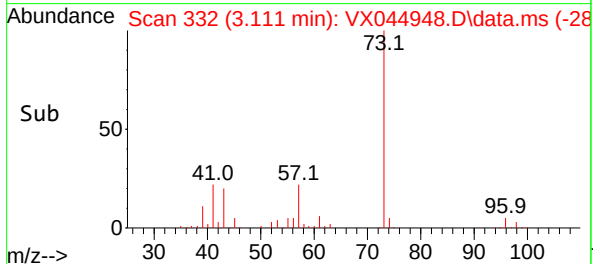
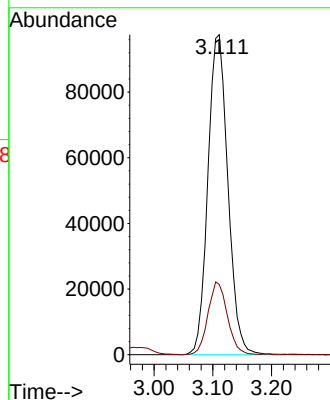
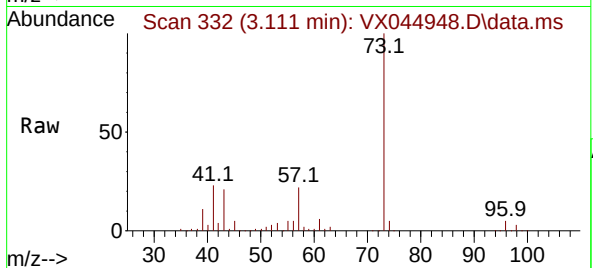
57 21.9 17.9 26.9

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#20

Methylene Chloride

Concen: 49.206 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Tgt Ion: 84 Resp: 79188

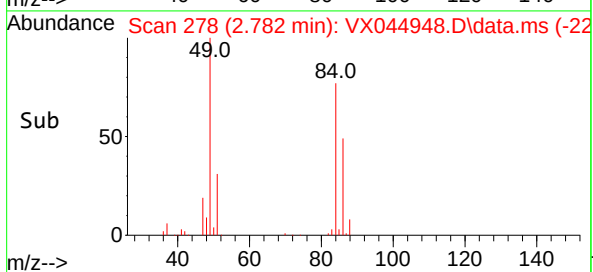
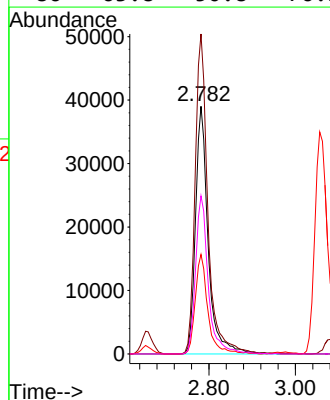
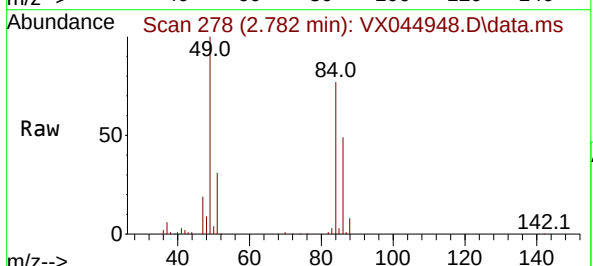
Ion Ratio Lower Upper

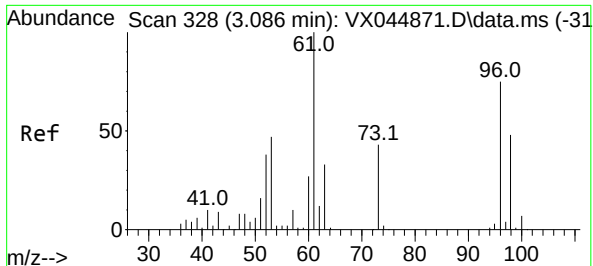
84 100

49 129.2 100.1 150.1

51 40.2 31.7 47.5

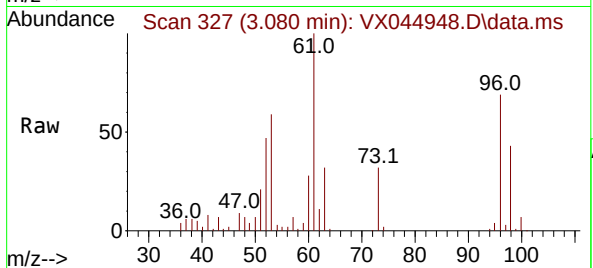
86 63.8 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 49.443 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

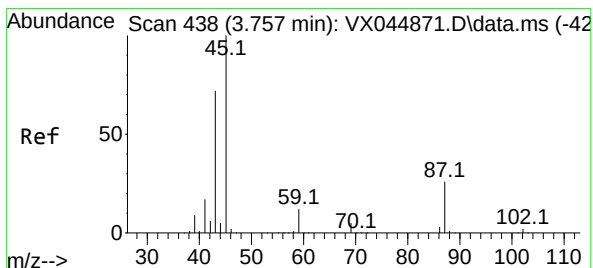
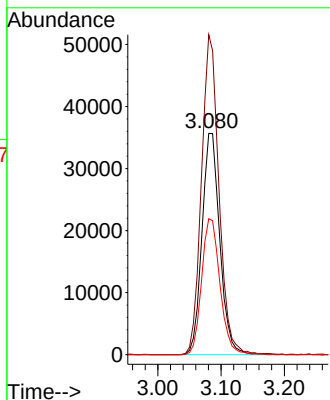
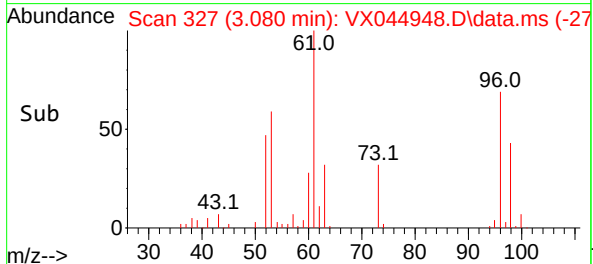
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



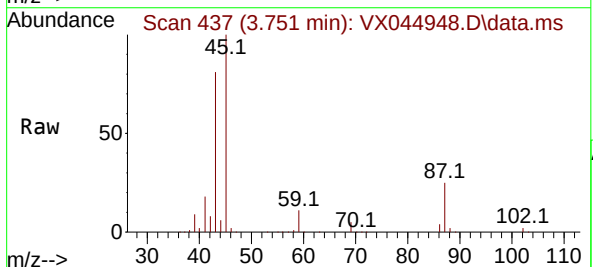
Tgt Ion: 96 Resp: 70029
Ion Ratio Lower Upper
96 100
61 144.6 106.0 159.0
98 61.5 50.6 76.0

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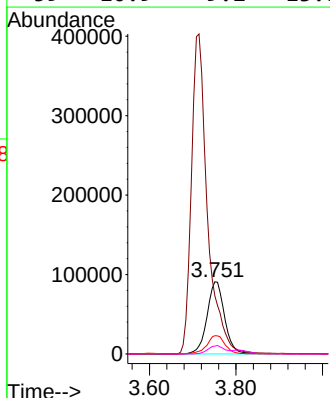
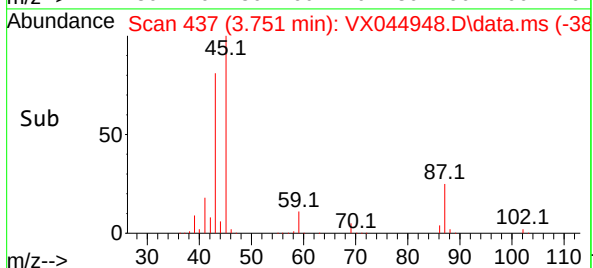
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

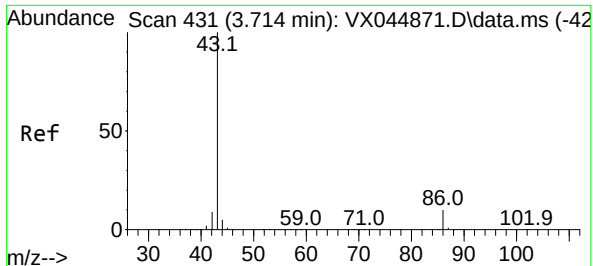


#22
Diisopropyl ether
Concen: 52.025 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04



Tgt Ion: 45 Resp: 255981
Ion Ratio Lower Upper
45 100
43 80.5 58.0 87.0
87 25.2 20.7 31.1
59 10.9 9.2 13.8





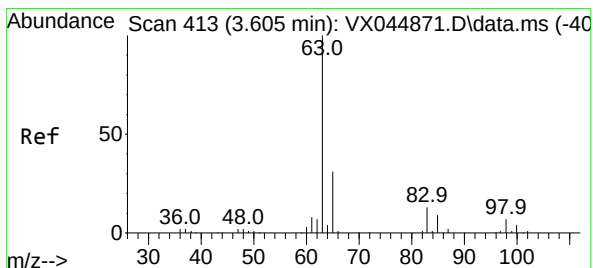
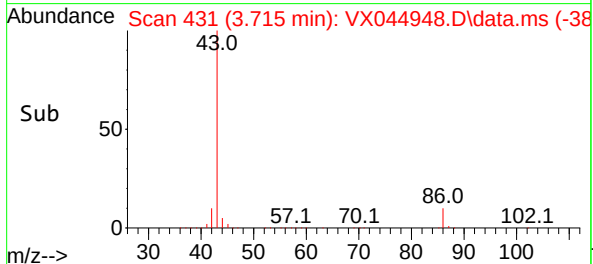
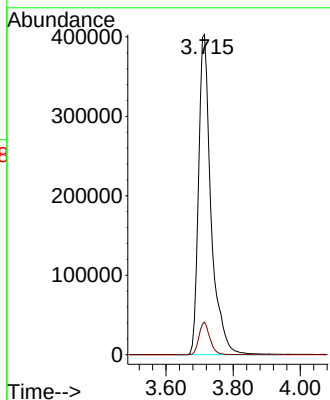
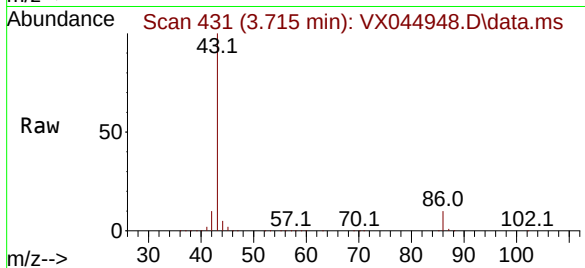
#23
Vinyl Acetate
Concen: 259.654 ug/l
RT: 3.715 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 104155
Ion Ratio Lower Upper
43 100
86 10.2 8.3 12.5

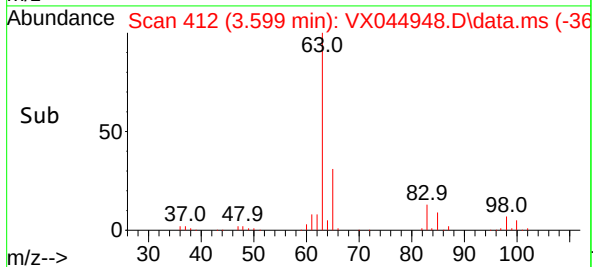
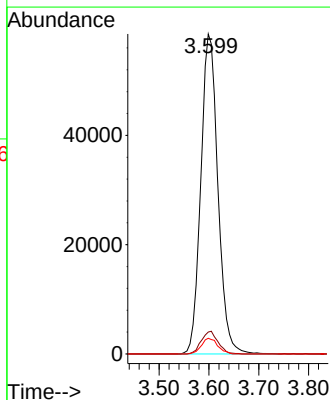
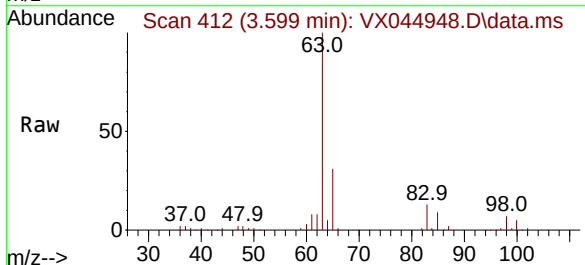
Manual Integrations
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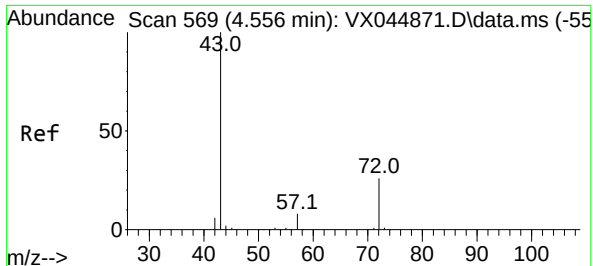
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#24
1,1-Dichloroethane
Concen: 50.620 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 63 Resp: 139363
Ion Ratio Lower Upper
63 100
98 6.8 3.3 9.9
100 4.9 2.1 6.5





#25

2-Butanone

Concen: 265.167 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 28290

Ion Ratio Lower Upper

43 100

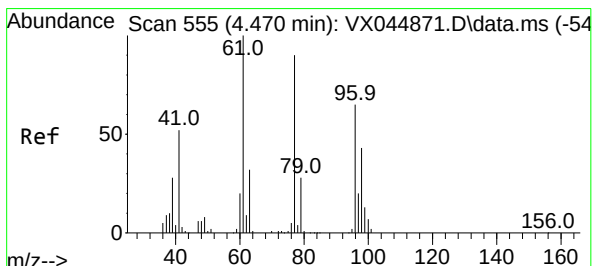
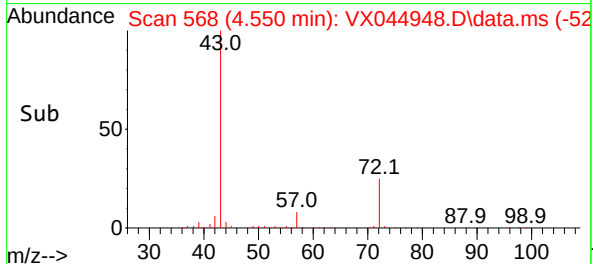
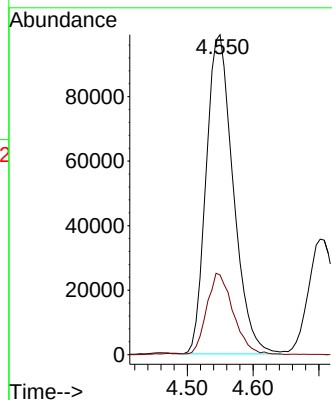
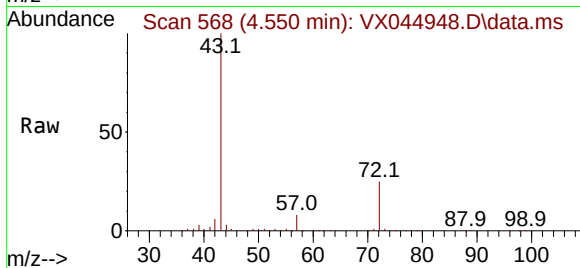
72 24.8 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#26

2,2-Dichloropropane

Concen: 49.758 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.012 min

Lab File: VX044948.D

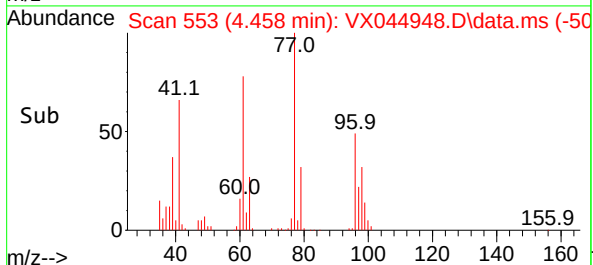
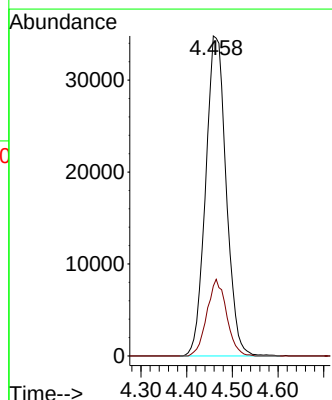
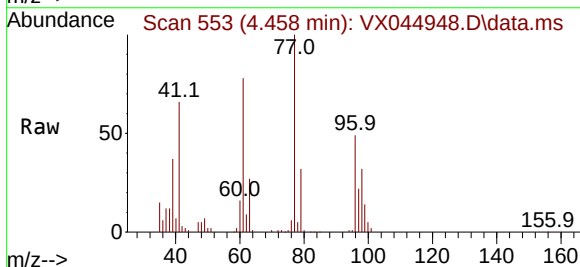
Acq: 14 Feb 2025 10:04

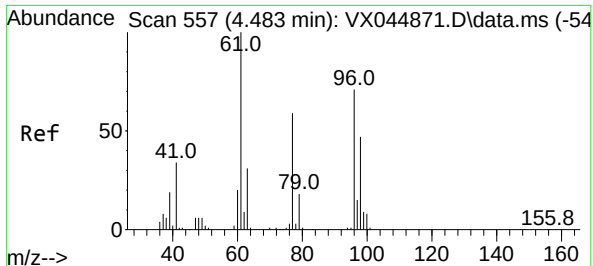
Tgt Ion: 77 Resp: 108637

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.033 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 8512

Ion Ratio Lower Upper

96 100

61 148.2 0.0 294.0

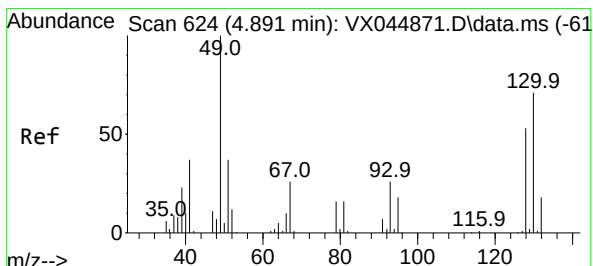
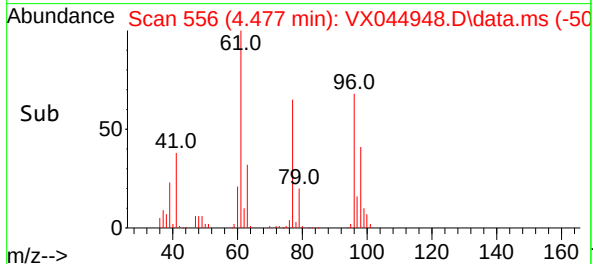
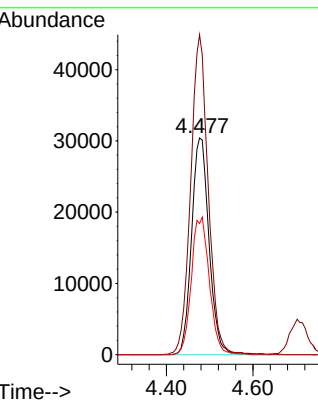
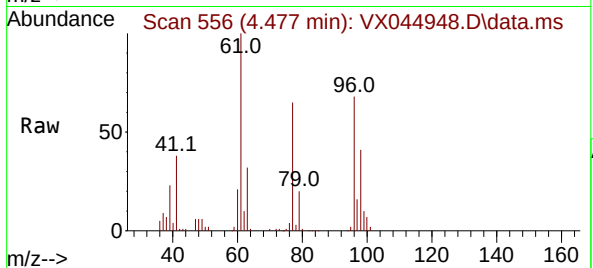
98 65.4 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#28

Bromochloromethane

Concen: 50.132 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

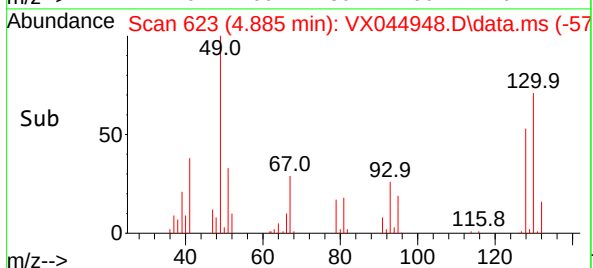
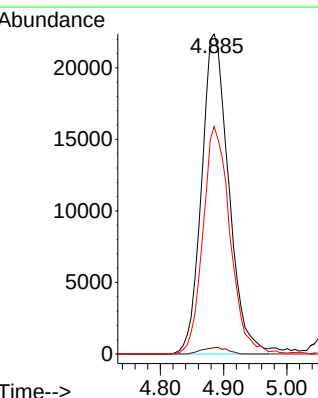
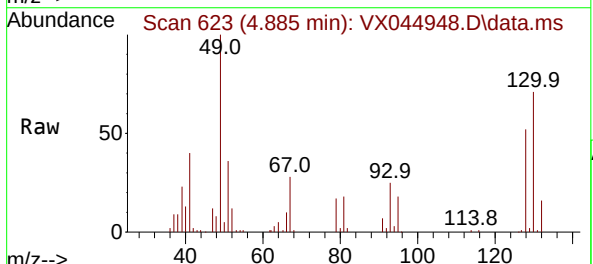
Tgt Ion: 49 Resp: 66328

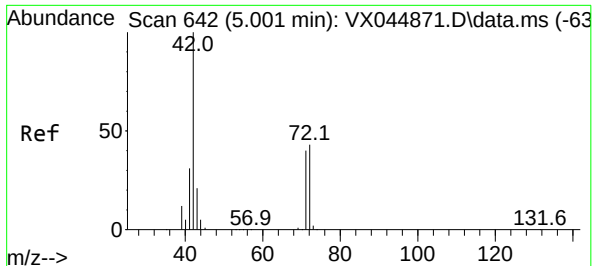
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 71.2 56.7 85.1





#29

Tetrahydrofuran

Concen: 258.456 ug/l

RT: 4.989 min Scan# 642

Delta R.T. -0.012 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 183098

Ion Ratio Lower Upper

42 100

72 43.2 35.0 52.4

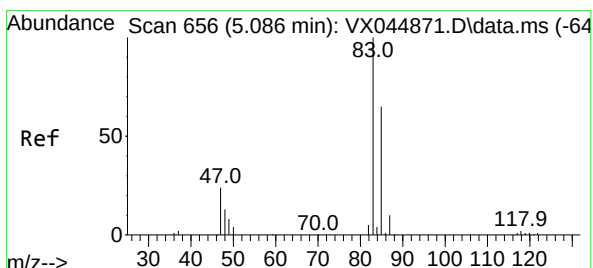
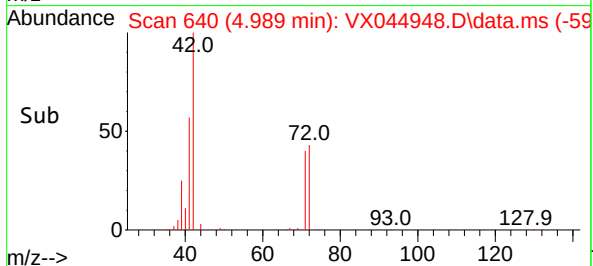
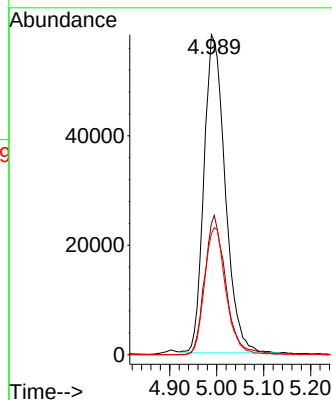
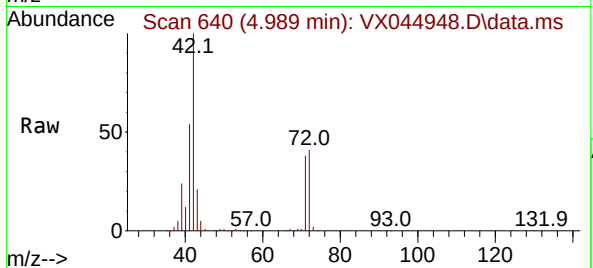
71 40.1 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#30

Chloroform

Concen: 50.664 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044948.D

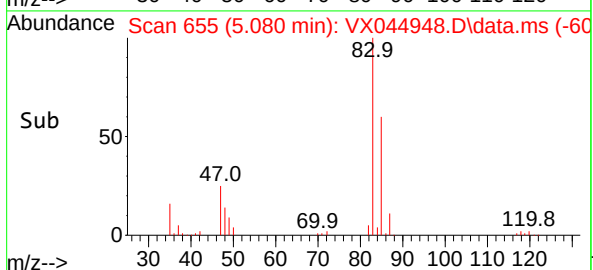
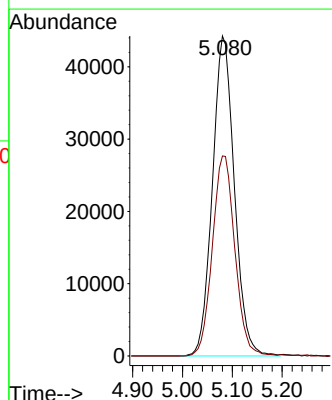
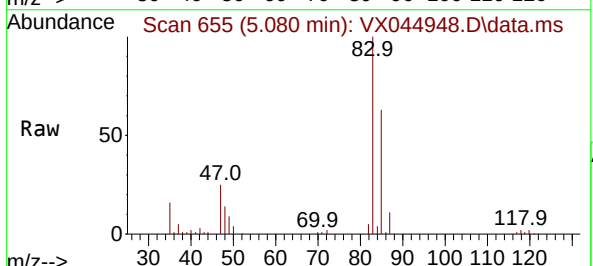
Acq: 14 Feb 2025 10:04

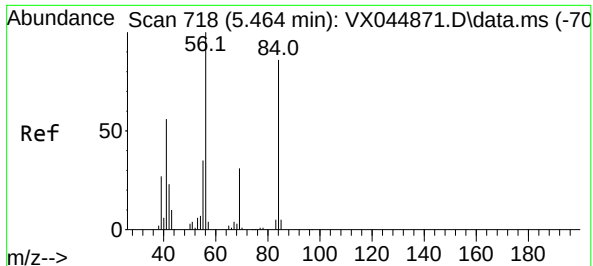
Tgt Ion: 83 Resp: 135270

Ion Ratio Lower Upper

83 100

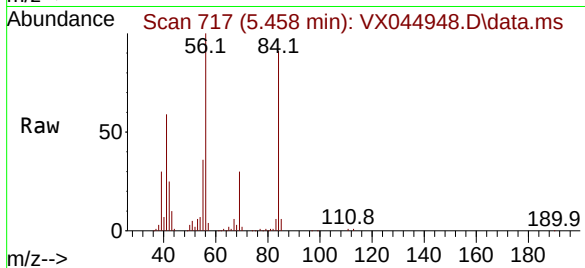
85 62.5 52.1 78.1





#31
Cyclohexane
Concen: 48.511 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

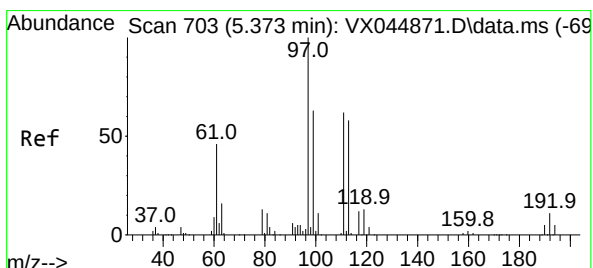
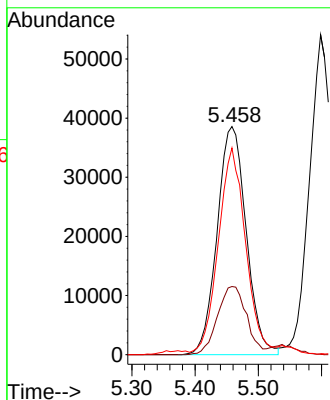
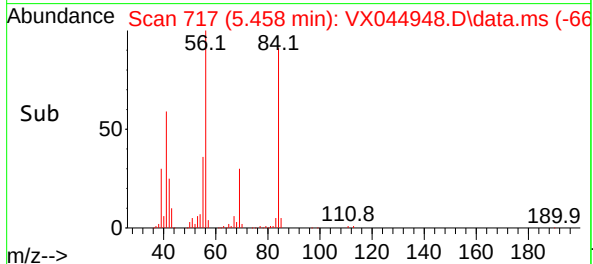
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 12312
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 88.8 69.0 103.6

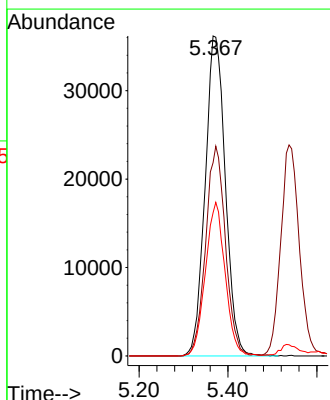
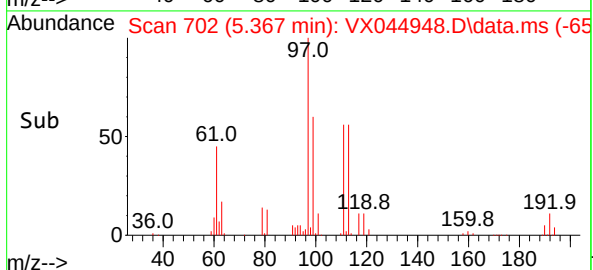
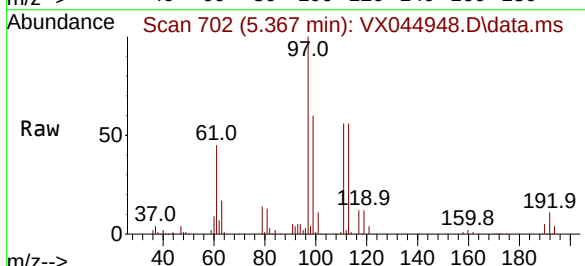
Manual Integrations
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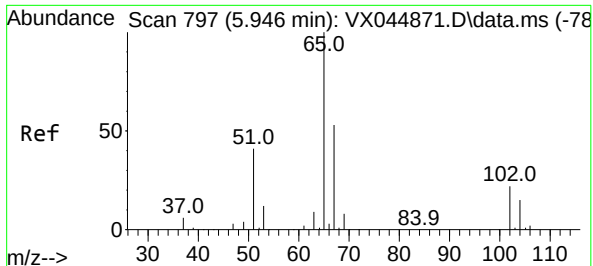
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#32
1,1,1-Trichloroethane
Concen: 50.622 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 97 Resp: 114641
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 46.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 49.577 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 8102

Ion Ratio Lower Upper

65 100

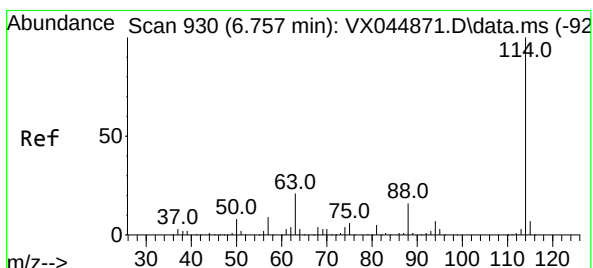
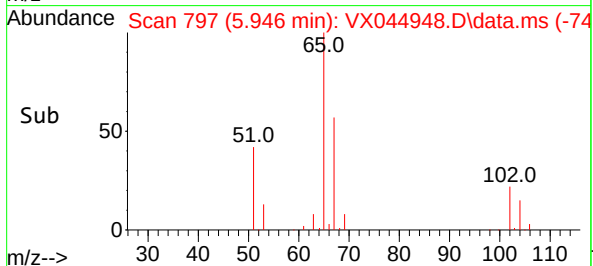
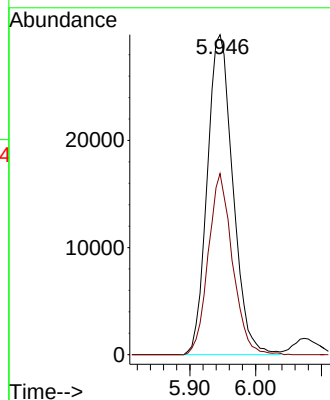
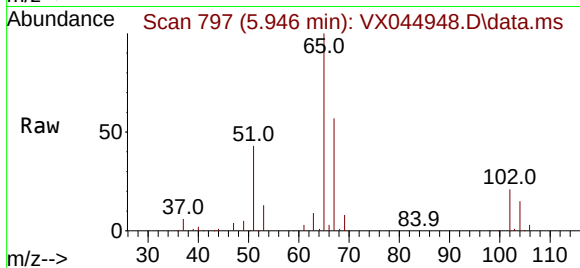
67 53.6 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

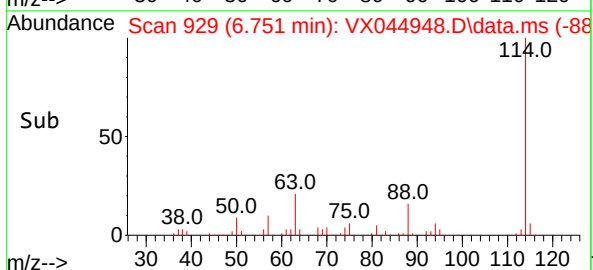
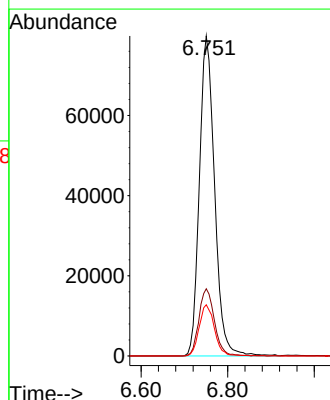
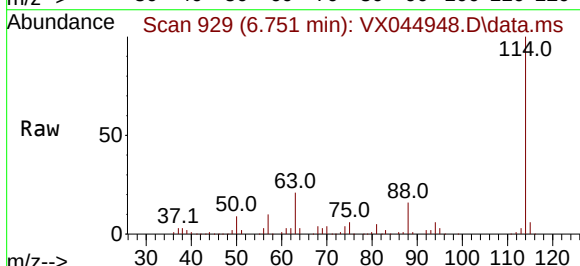
Tgt Ion:114 Resp: 194847

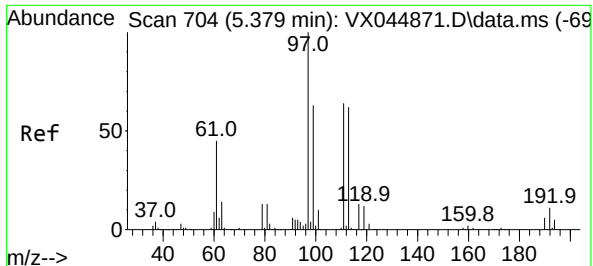
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.473 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 65208

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

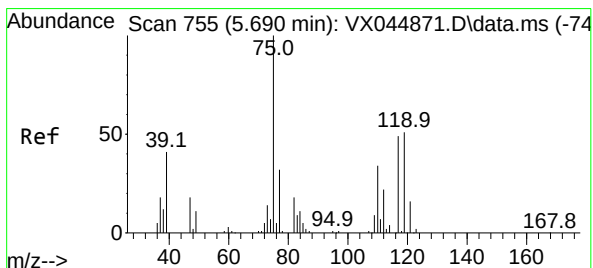
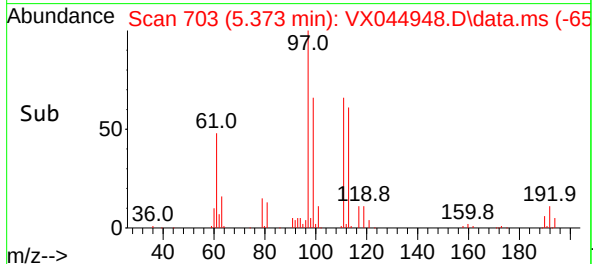
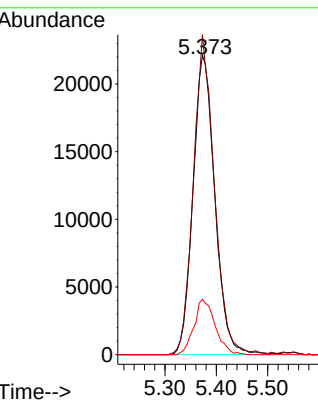
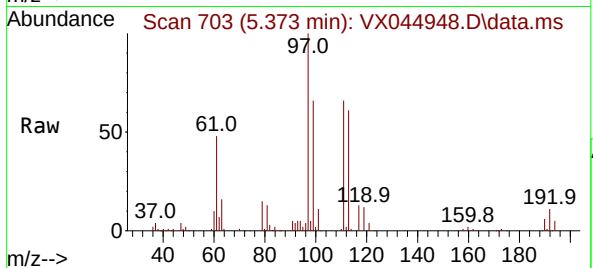
192 17.9 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#36

1,1-Dichloropropene

Concen: 50.648 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

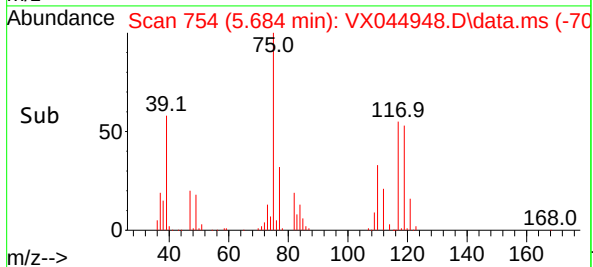
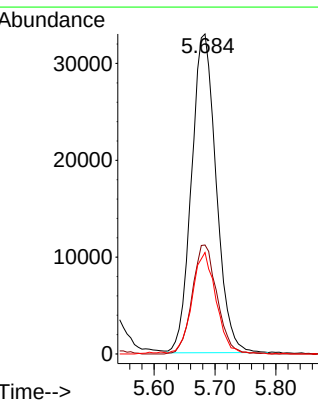
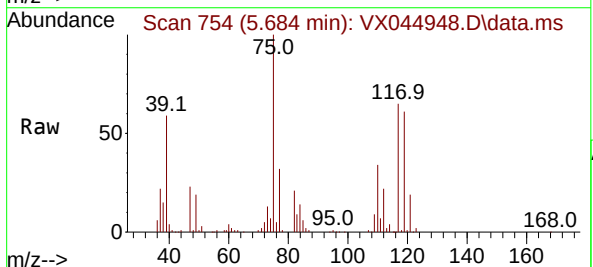
Tgt Ion: 75 Resp: 92569

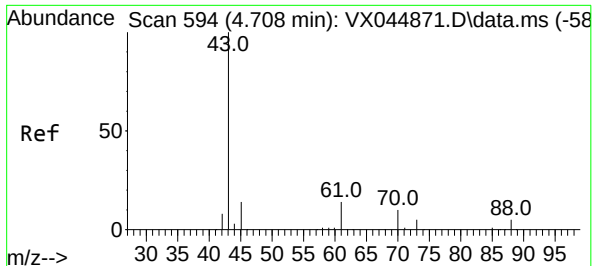
Ion Ratio Lower Upper

75 100

110 34.4 17.2 51.6

77 31.2 24.6 37.0





#37

Ethyl Acetate

Concen: 52.854 ug/l

RT: 4.702 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 10744

Ion Ratio Lower Upper

43 100

61 12.8 11.0 16.4

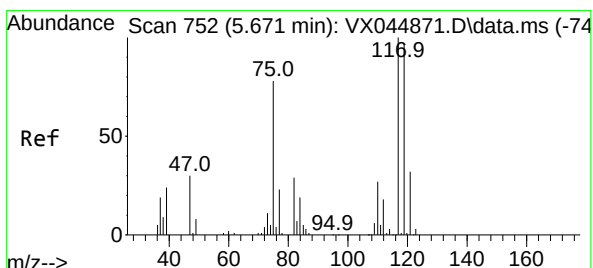
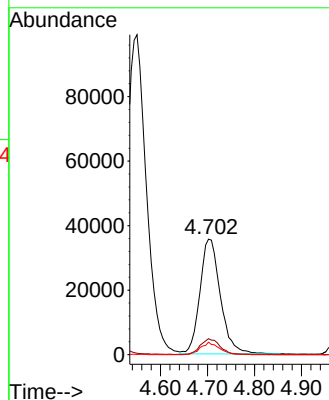
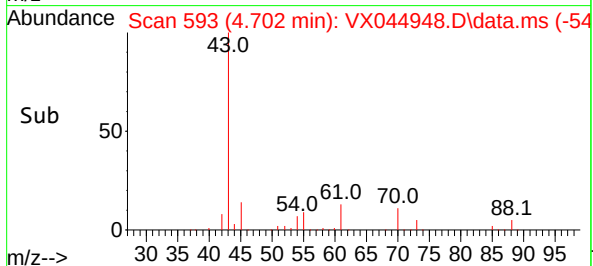
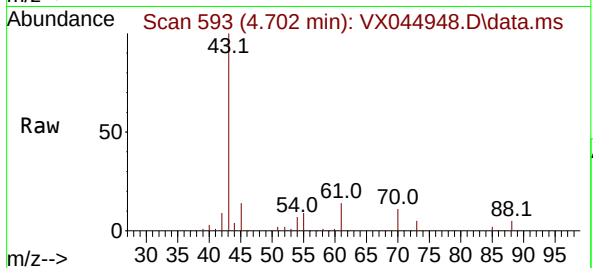
70 9.8 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#38

Carbon Tetrachloride

Concen: 53.647 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

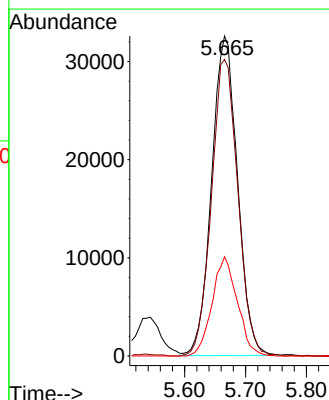
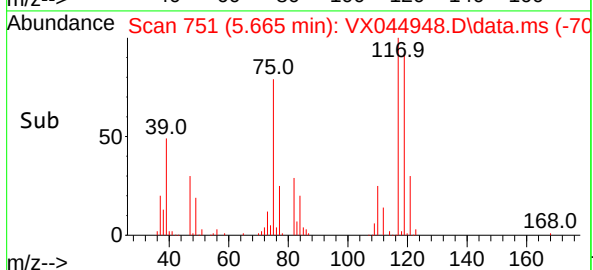
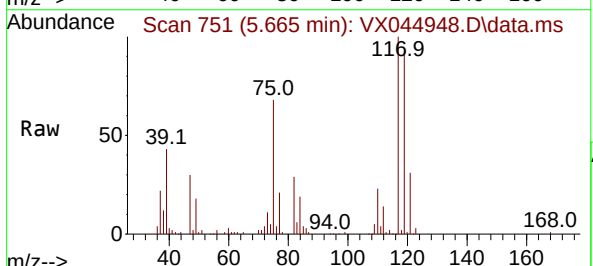
Tgt Ion:117 Resp: 96084

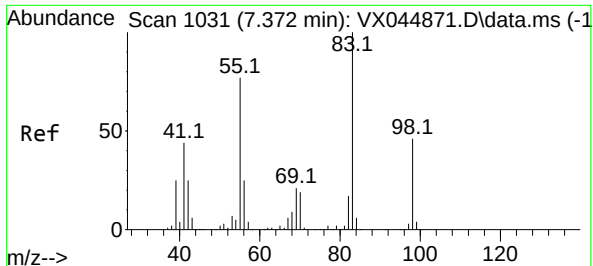
Ion Ratio Lower Upper

117 100

119 92.9 77.5 116.3

121 31.1 25.6 38.4





#39

Methylcyclohexane

Concen: 53.611 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 126678

Ion Ratio Lower Upper

83 100

55 76.3 61.3 91.9

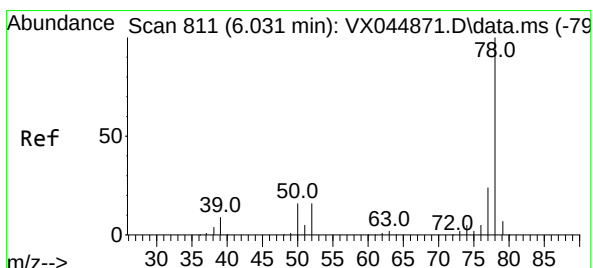
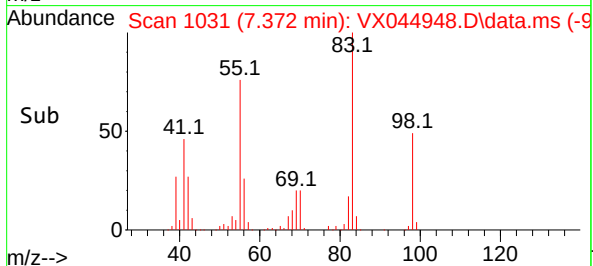
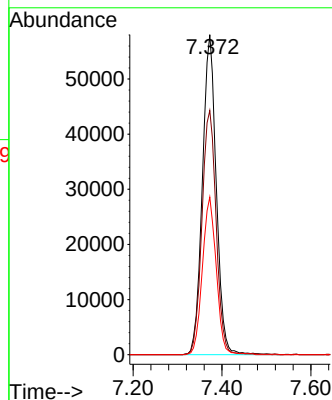
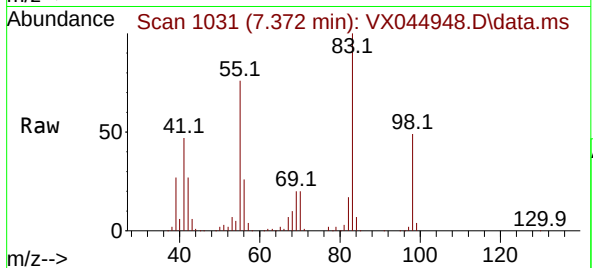
98 49.3 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#40

Benzene

Concen: 51.720 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044948.D

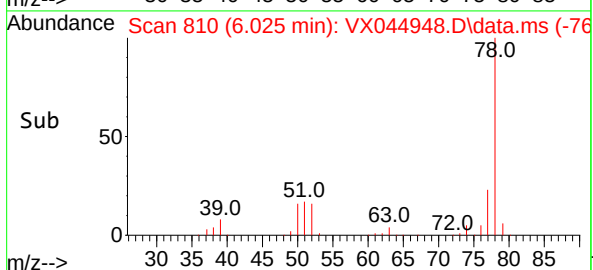
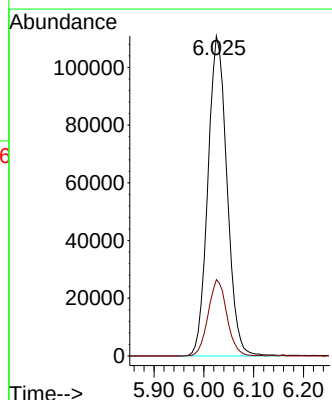
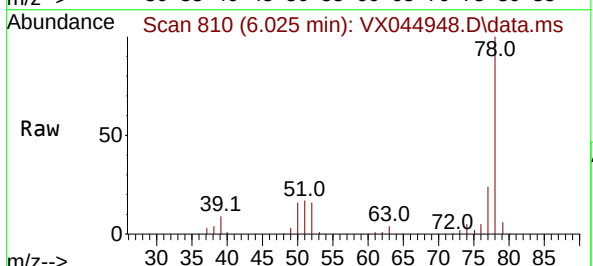
Acq: 14 Feb 2025 10:04

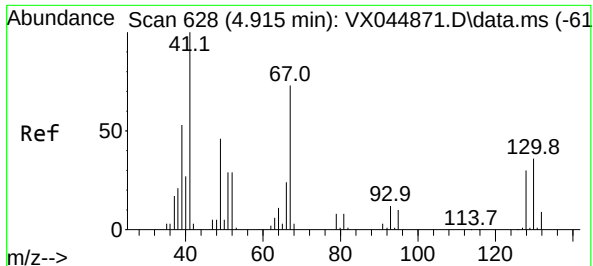
Tgt Ion: 78 Resp: 295171

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6





#41

Methacrylonitrile

Concen: 57.439 ug/l

RT: 4.909 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 6250

Ion Ratio Lower Upper

41 100

39 54.3 43.1 64.7

67 70.9 57.0 85.6

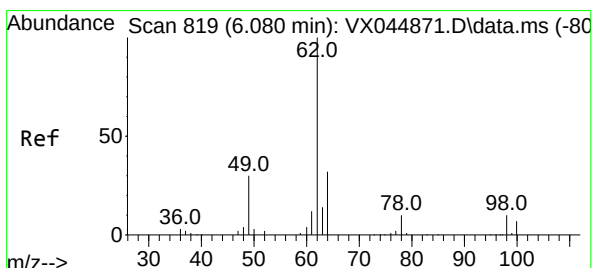
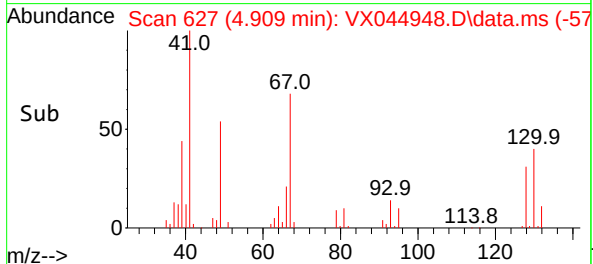
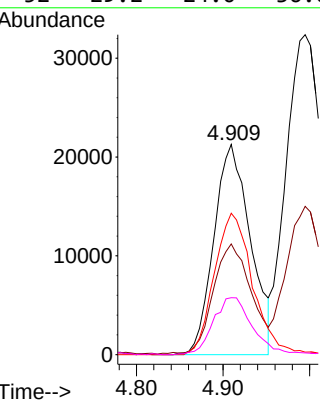
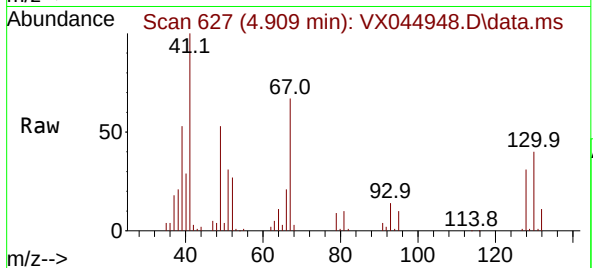
52 29.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#42

1,2-Dichloroethane

Concen: 54.630 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044948.D

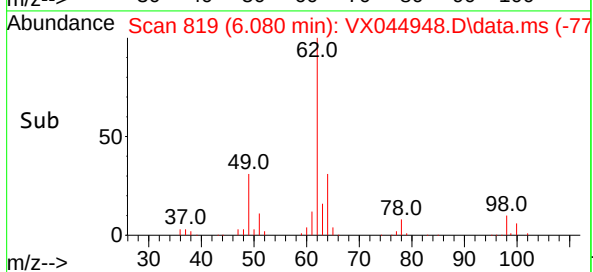
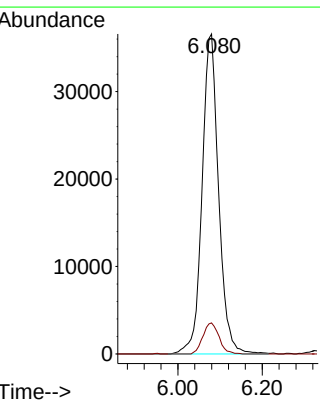
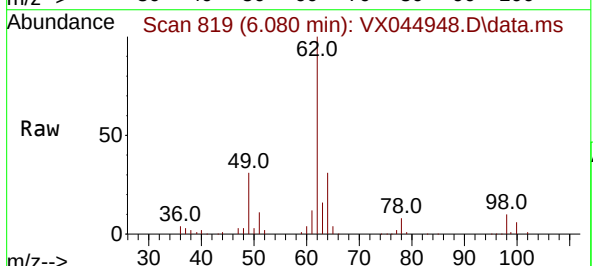
Acq: 14 Feb 2025 10:04

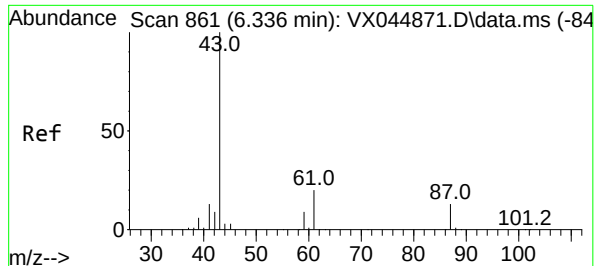
Tgt Ion: 62 Resp: 99367

Ion Ratio Lower Upper

62 100

98 9.5 0.0 19.4





#43

Isopropyl Acetate

Concen: 54.238 ug/l

RT: 6.330 min Scan# 860

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 17805

Ion Ratio Lower Upper

43

100

61

87

19.1 15.8 23.8

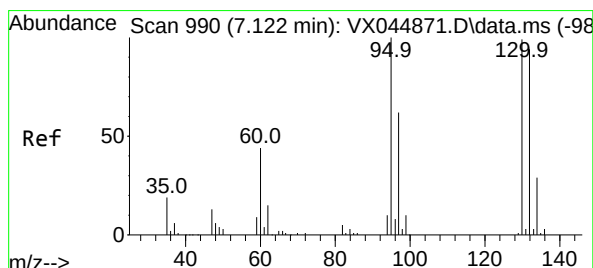
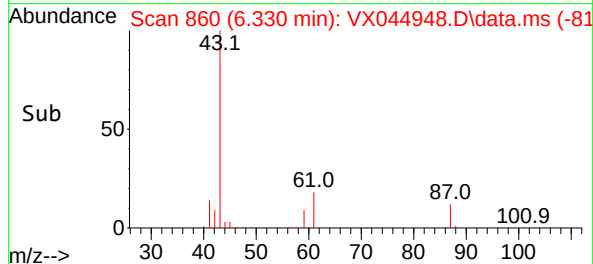
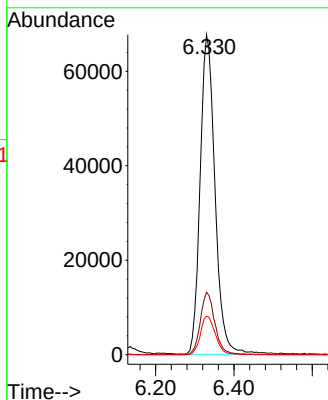
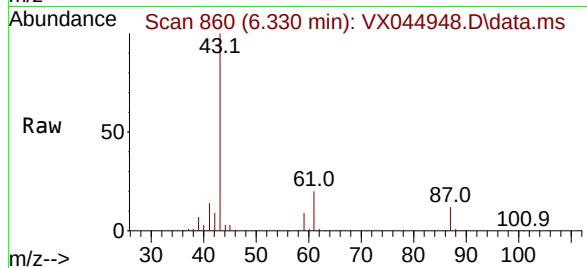
12.2 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#44

Trichloroethene

Concen: 52.686 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Tgt Ion:130 Resp: 68729

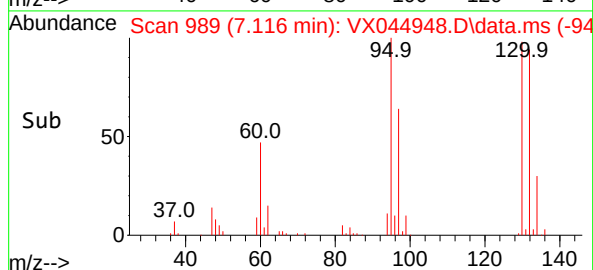
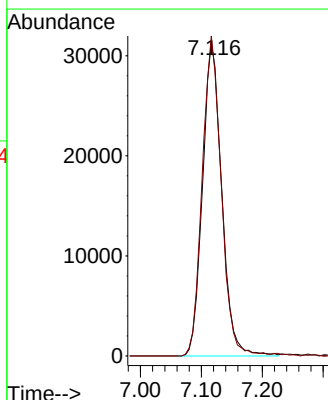
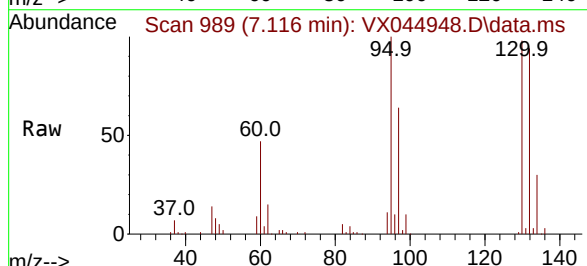
Ion Ratio Lower Upper

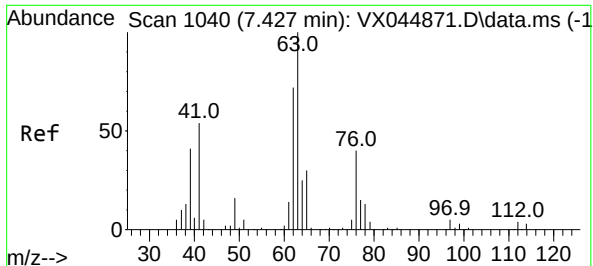
130

100

95

102.1 0.0 202.4





#45

1,2-Dichloropropane

Concen: 52.086 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 73954

Ion Ratio Lower Upper

63 100

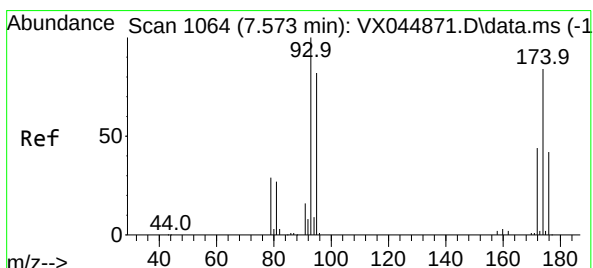
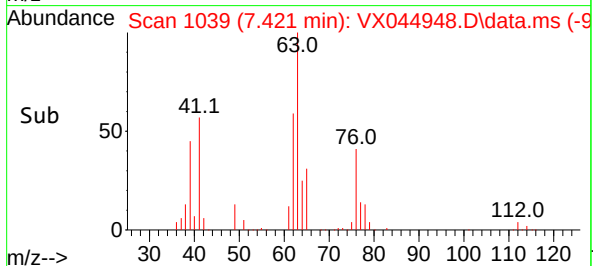
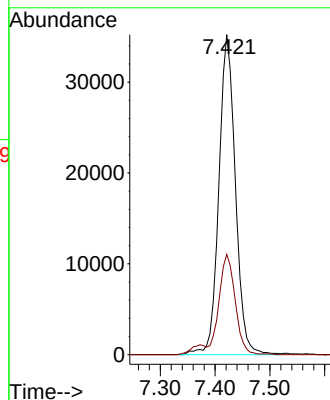
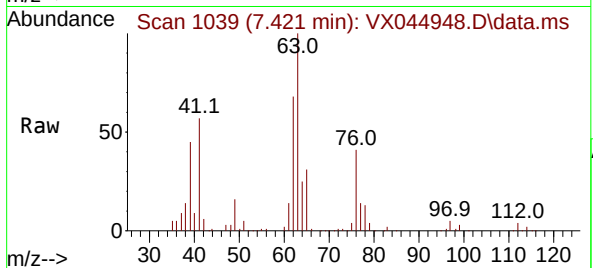
65 31.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#46

Dibromomethane

Concen: 52.910 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

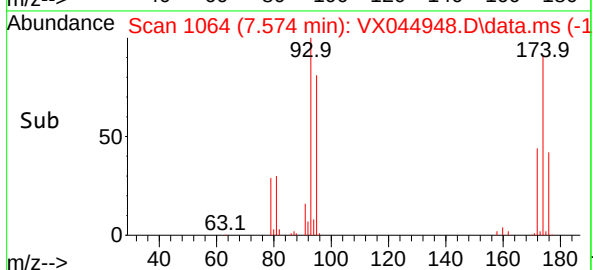
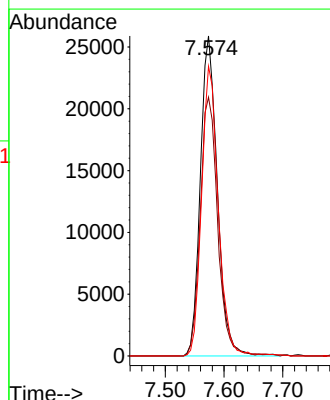
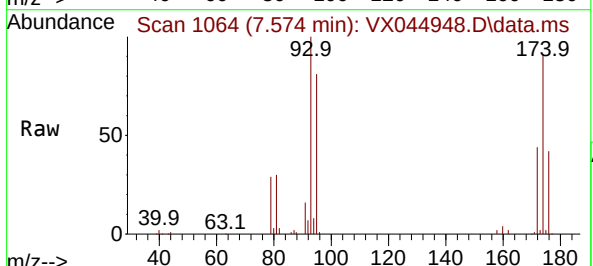
Tgt Ion: 93 Resp: 52099

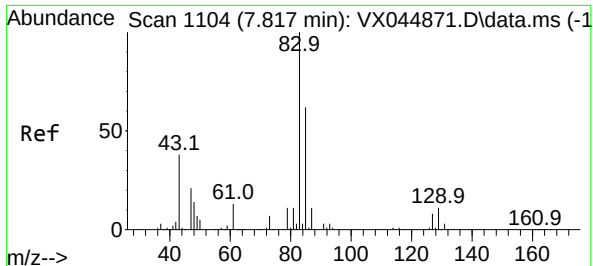
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.5 69.9 104.9





#47

Bromodichloromethane

Concen: 54.897 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 10466

Ion Ratio Lower Upper

83 100

85 68.0 50.0 75.0

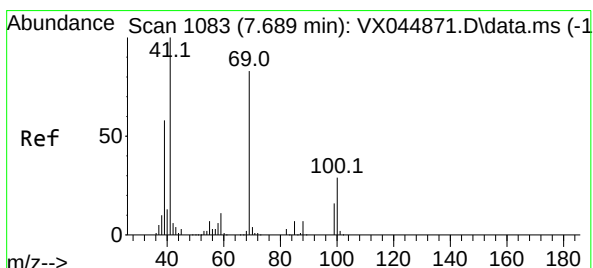
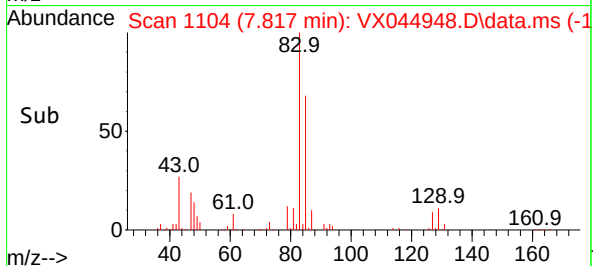
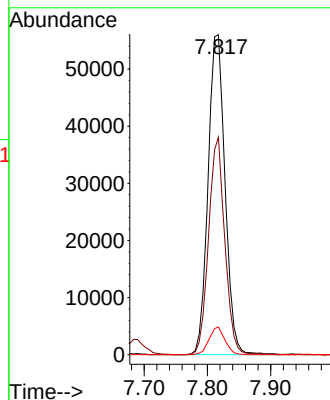
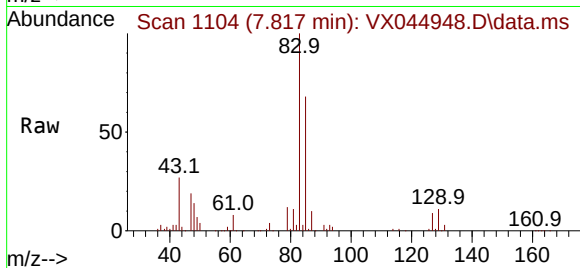
127 8.7 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#48

Methyl methacrylate

Concen: 54.559 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

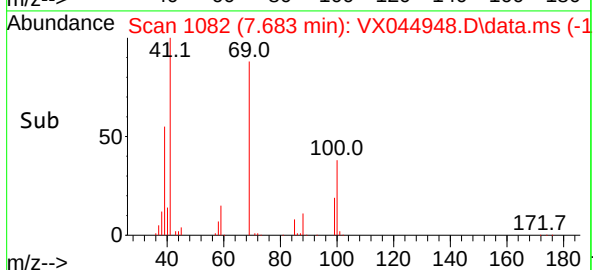
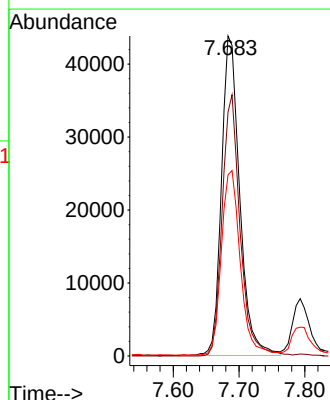
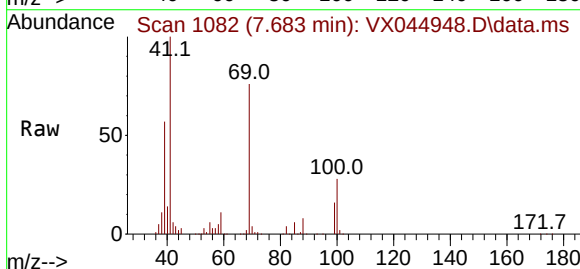
Tgt Ion: 41 Resp: 84452

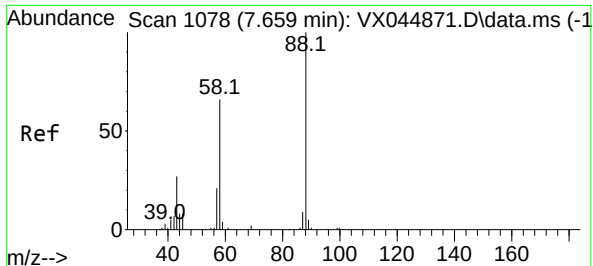
Ion Ratio Lower Upper

41 100

69 80.4 65.8 98.8

39 59.9 46.4 69.6





#49

1,4-Dioxane

Concen: 1079.521 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

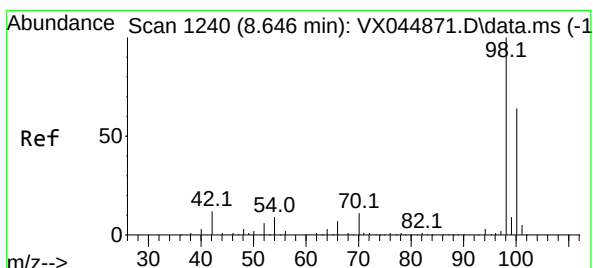
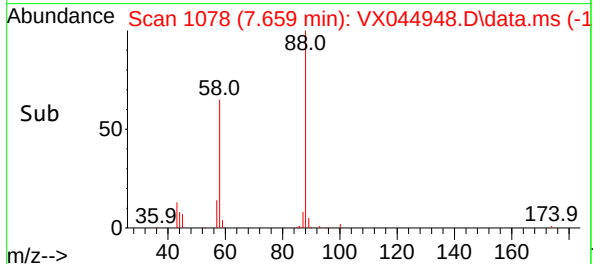
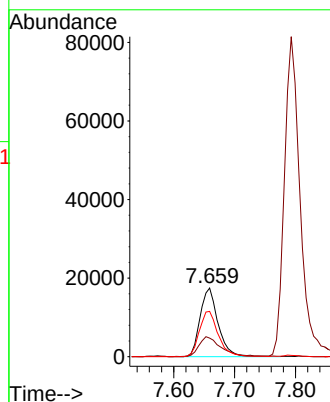
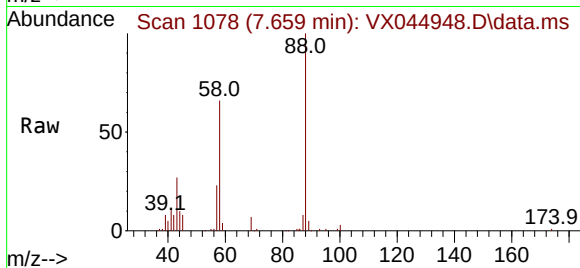
VSTDCCC050

Tgt Ion:	88	Resp:	3585
Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.6	39.8
58	69.2	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#50

Toluene-d8

Concen: 50.081 ug/l

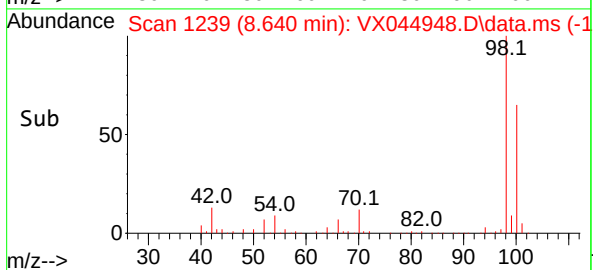
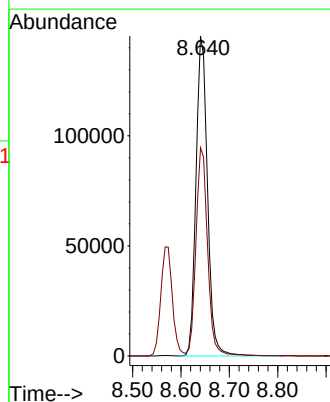
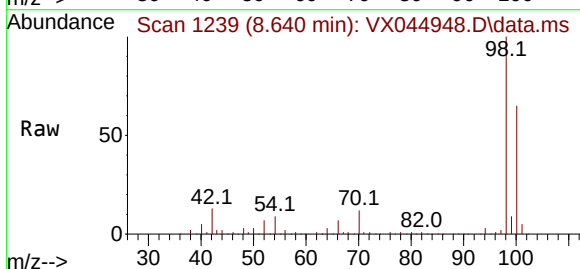
RT: 8.640 min Scan# 1239

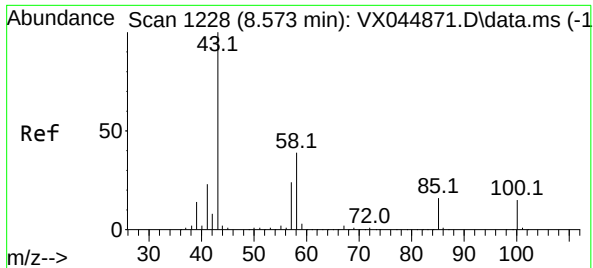
Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Tgt Ion:	98	Resp:	239910
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





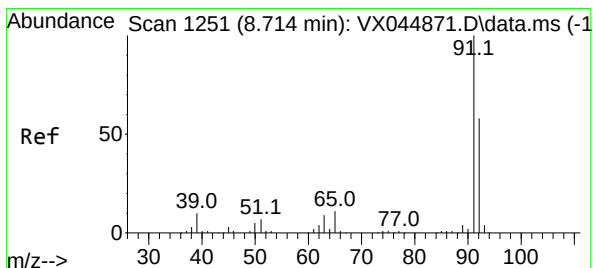
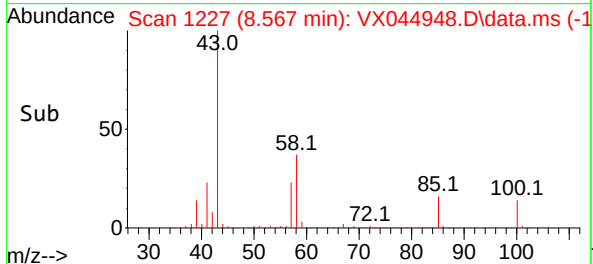
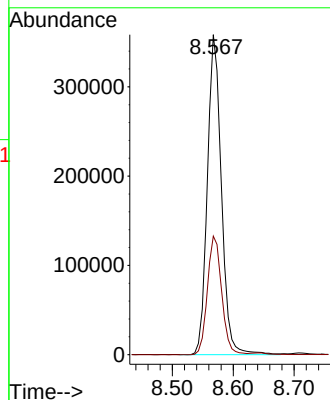
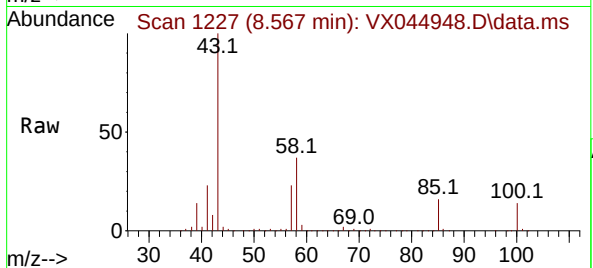
#51
4-Methyl-2-Pentanone
Concen: 287.542 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDC050

Tgt Ion: 43 Resp: 57387
Ion Ratio Lower Upper
43 100
58 37.6 30.8 46.2

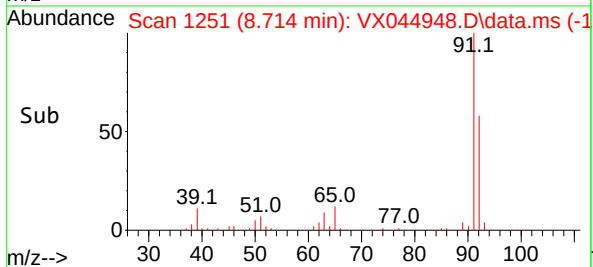
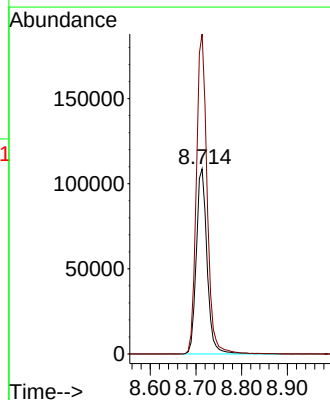
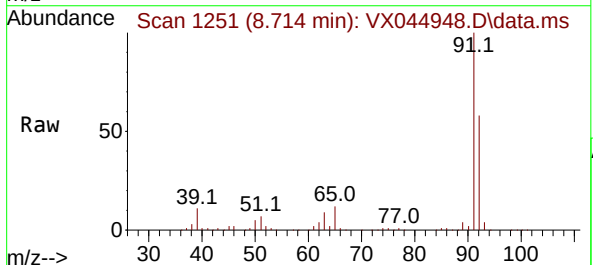
Manual Integrations
APPROVED

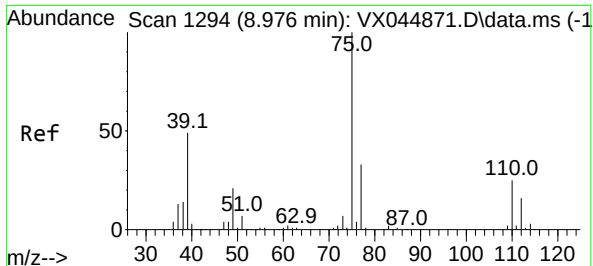
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#52
Toluene
Concen: 52.259 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 92 Resp: 177622
Ion Ratio Lower Upper
92 100
91 172.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 53.088 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 10242

Ion Ratio Lower Upper

75 100

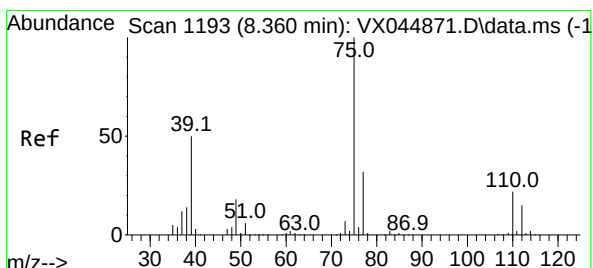
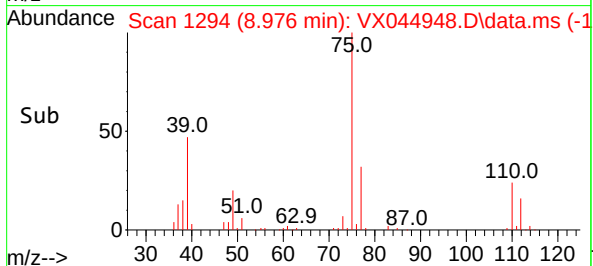
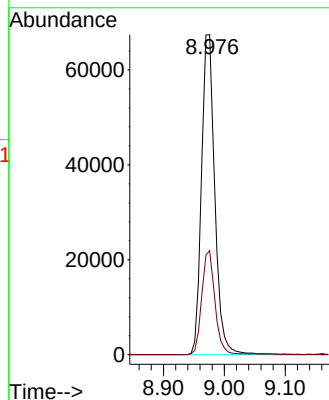
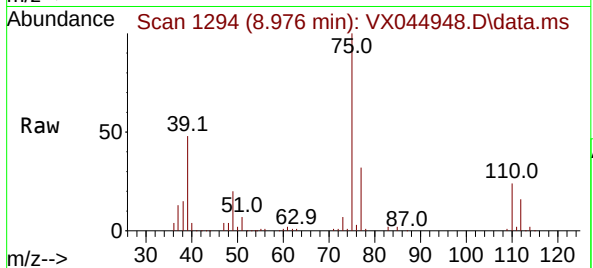
77 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#54

cis-1,3-Dichloropropene

Concen: 53.670 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

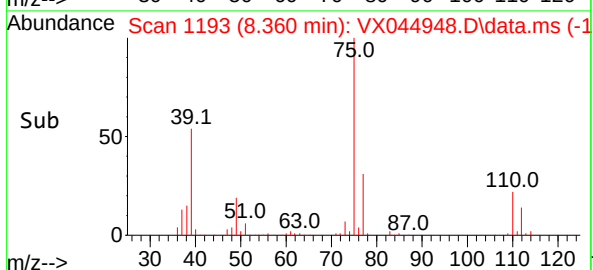
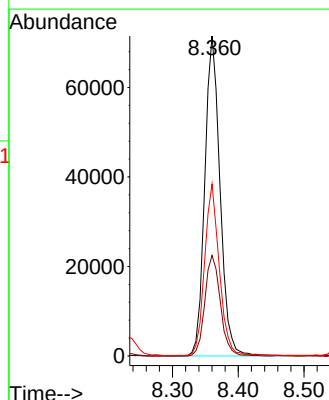
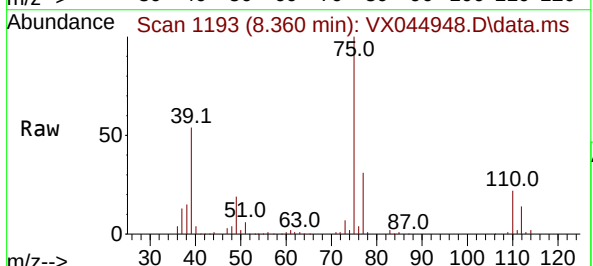
Tgt Ion: 75 Resp: 115454

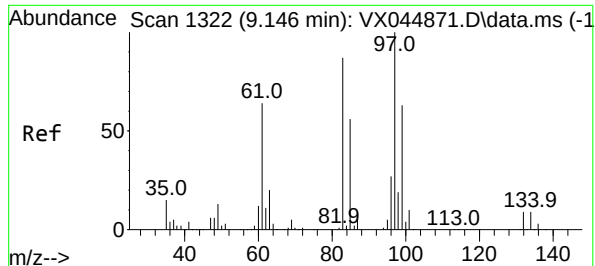
Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 53.6 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 53.569 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 69992

Ion Ratio Lower Upper

97 100

83 87.7 69.8 104.6

85 55.8 44.8 67.2

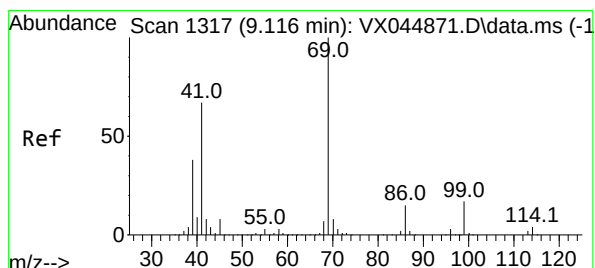
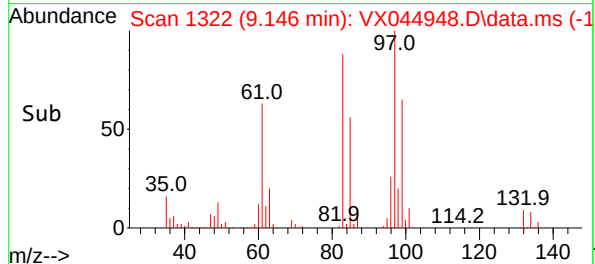
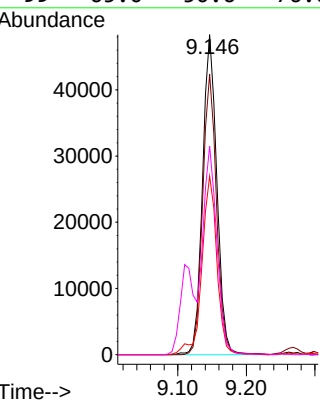
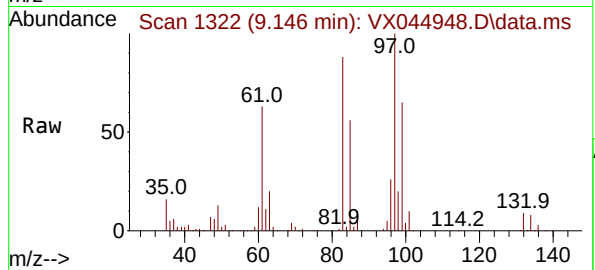
99 65.0 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#56

Ethyl methacrylate

Concen: 53.714 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

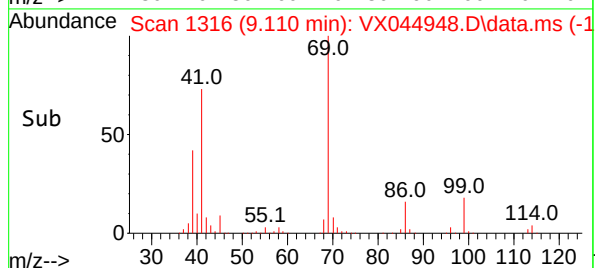
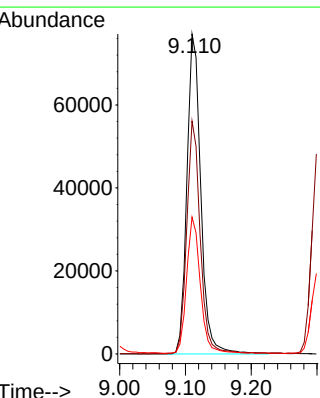
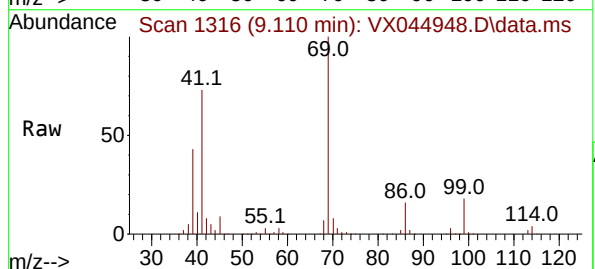
Tgt Ion: 69 Resp: 113350

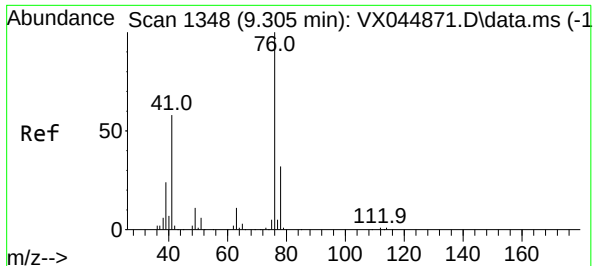
Ion Ratio Lower Upper

69 100

41 71.0 55.2 82.8

39 41.9 30.8 46.2





#57

1,3-Dichloropropane

Concen: 53.730 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 12283

Ion Ratio Lower Upper

76 100

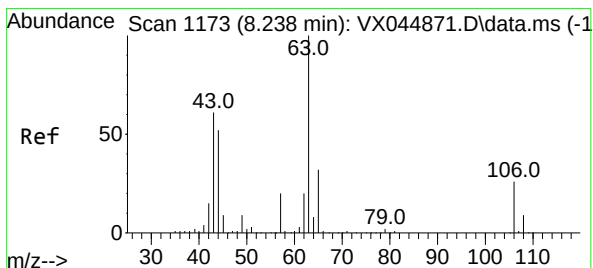
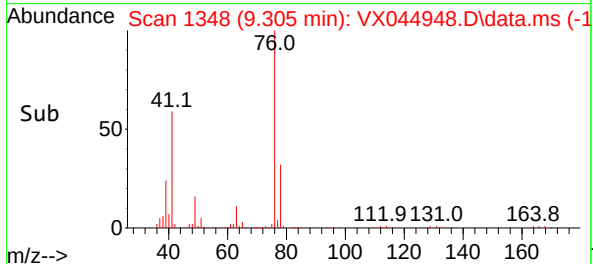
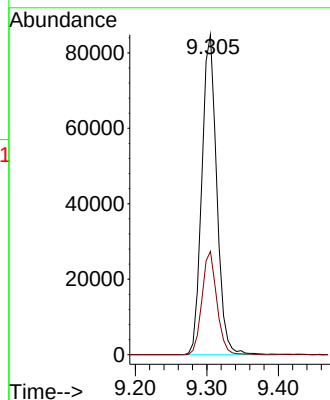
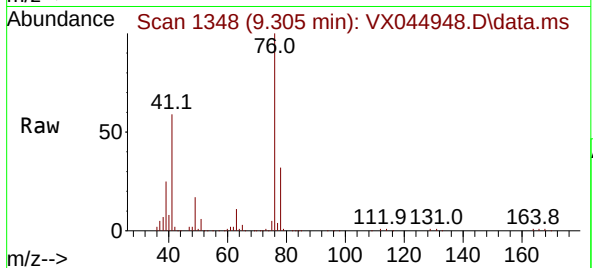
78 32.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 271.549 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044948.D

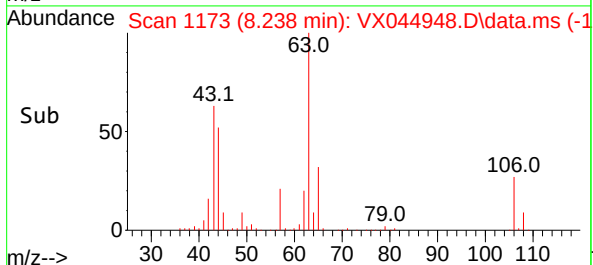
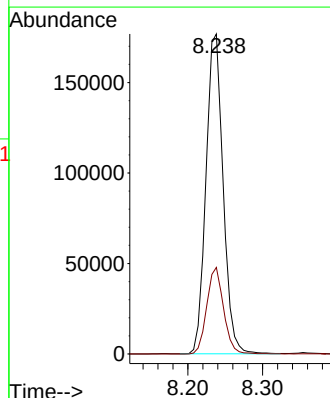
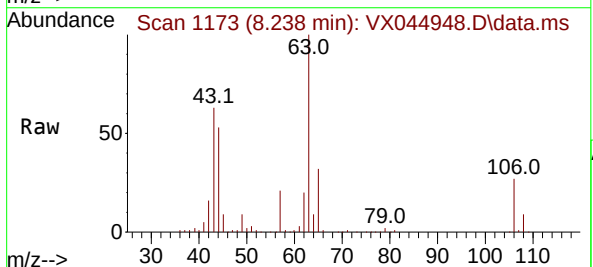
Acq: 14 Feb 2025 10:04

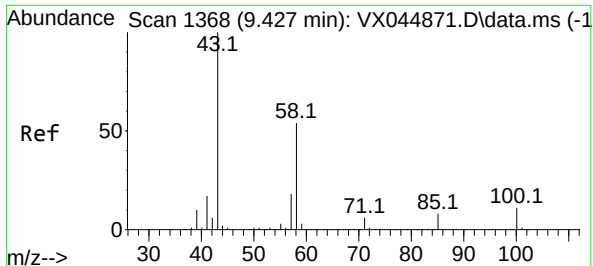
Tgt Ion: 63 Resp: 281369

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 291.536 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 419224

Ion Ratio Lower Upper

43 100

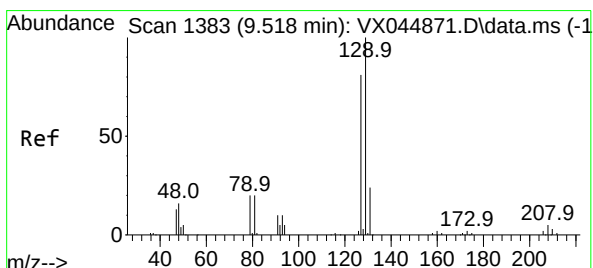
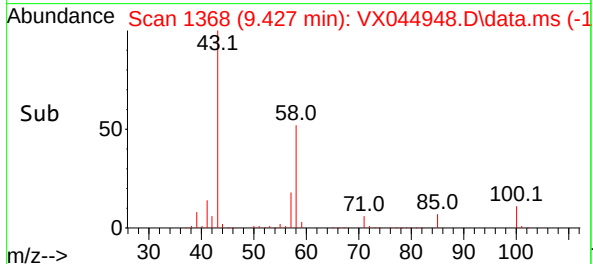
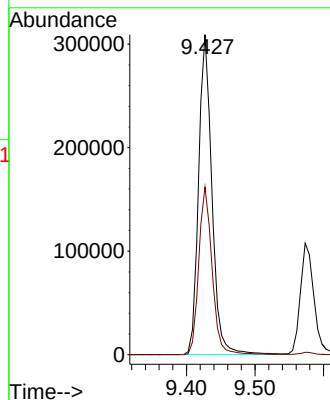
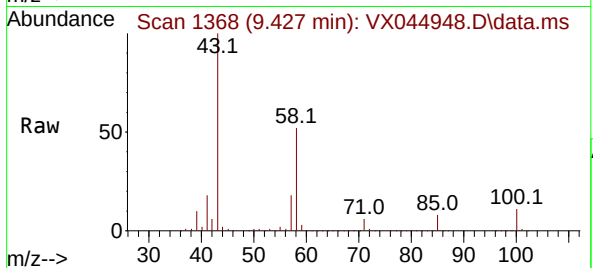
58 52.6 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#60

Dibromochloromethane

Concen: 55.049 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044948.D

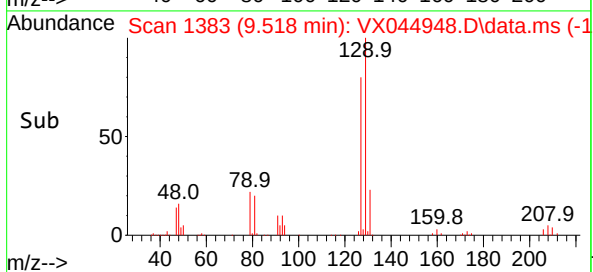
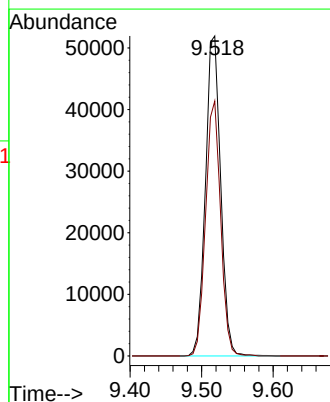
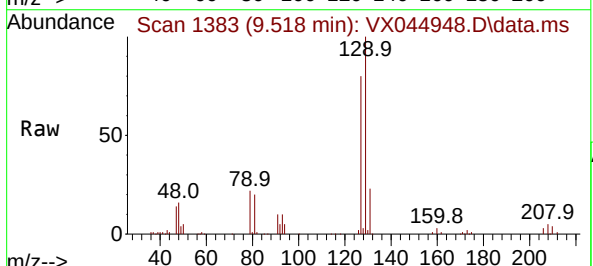
Acq: 14 Feb 2025 10:04

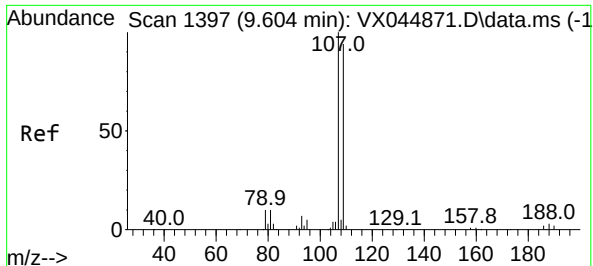
Tgt Ion:129 Resp: 76923

Ion Ratio Lower Upper

129 100

127 78.4 39.1 117.3





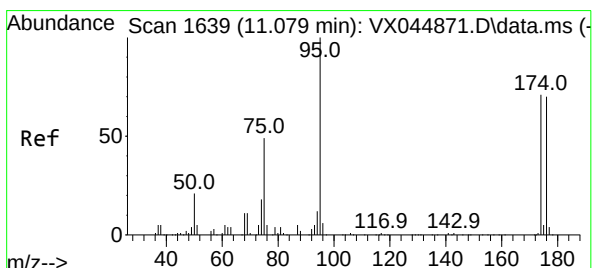
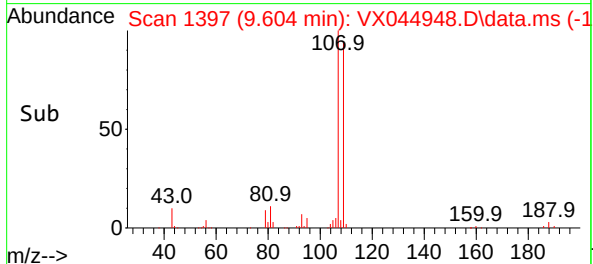
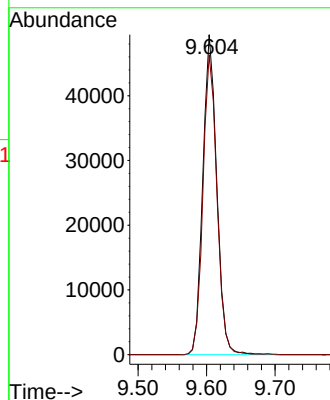
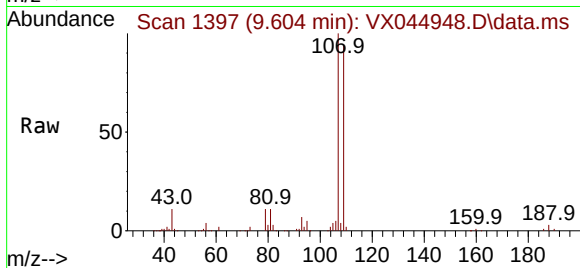
#61
1,2-Dibromoethane
Concen: 53.050 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 70254
Ion Ratio Lower Upper
107 100
109 93.7 75.9 113.9

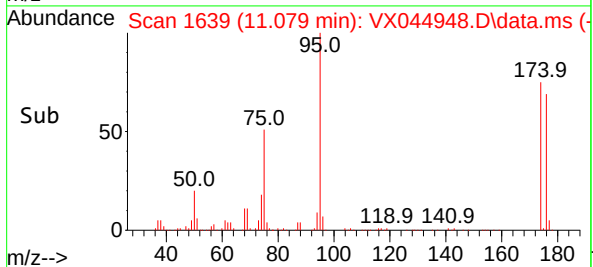
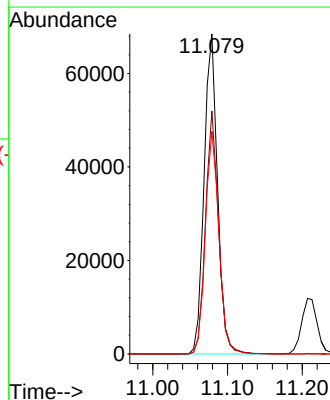
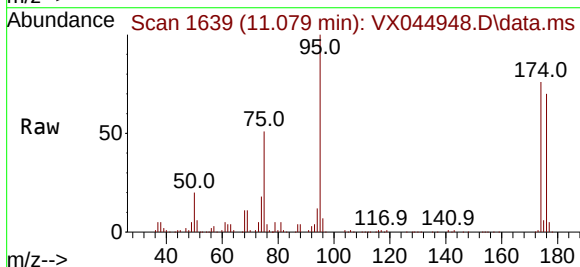
Manual Integrations
APPROVED

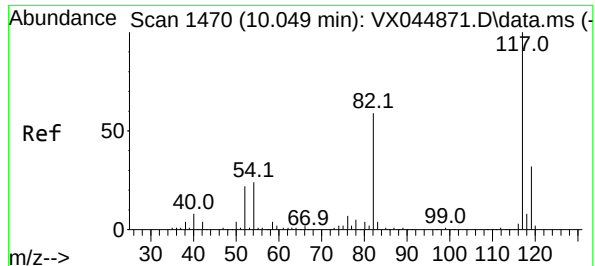
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#62
4-Bromofluorobenzene
Concen: 53.134 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

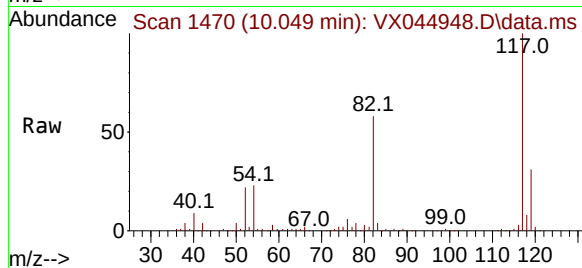
Tgt Ion: 95 Resp: 85808
Ion Ratio Lower Upper
95 100
174 73.2 0.0 142.6
176 70.0 0.0 141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

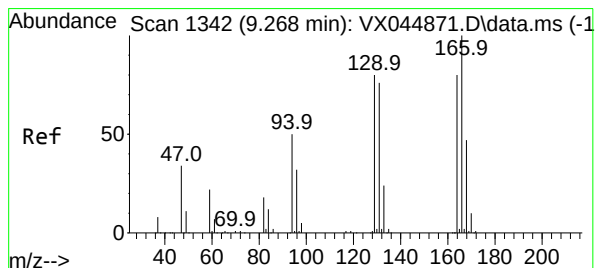
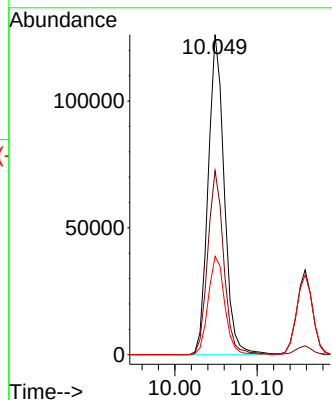
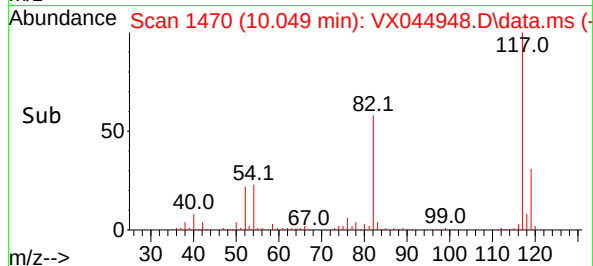
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 171164
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 30.7 25.4 38.0

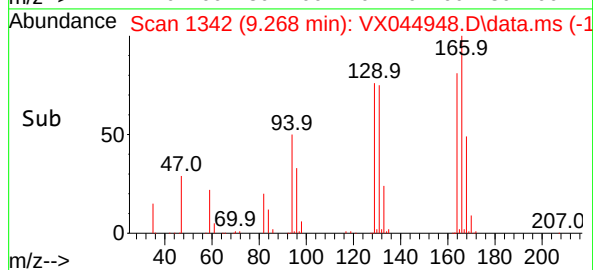
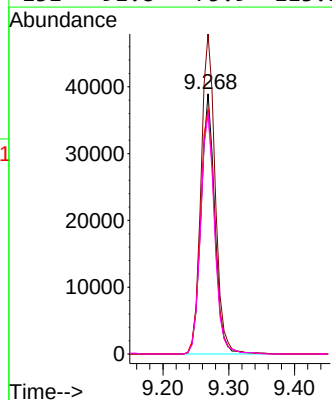
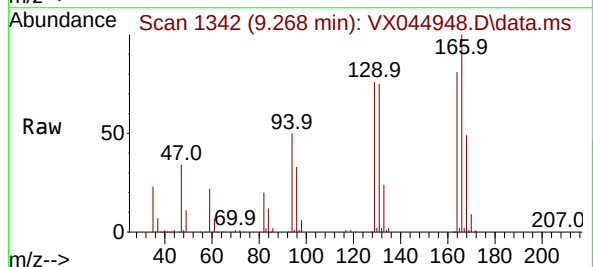
Manual Integrations
APPROVED

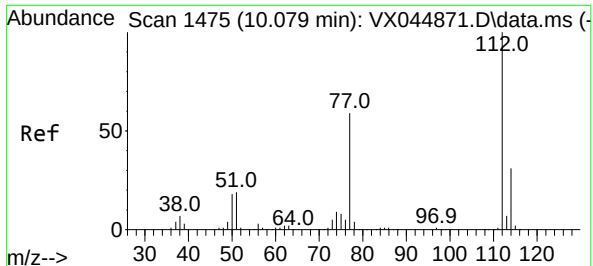
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#64
Tetrachloroethene
Concen: 52.606 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:164 Resp: 56785
Ion Ratio Lower Upper
164 100
166 123.0 100.4 150.6
129 93.9 79.9 119.9
131 91.8 75.9 113.9





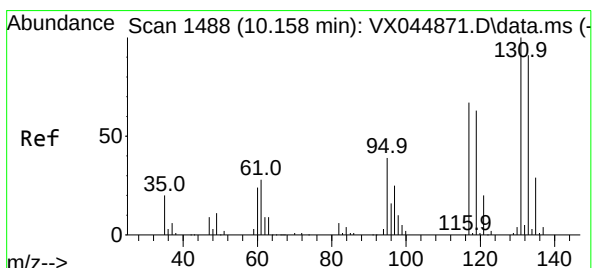
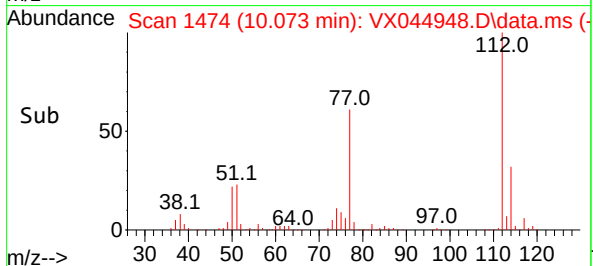
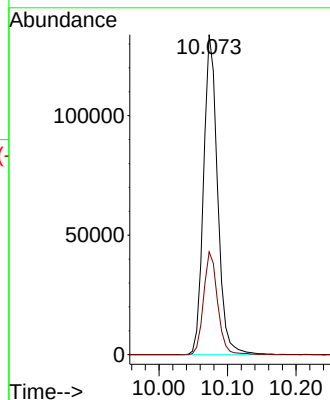
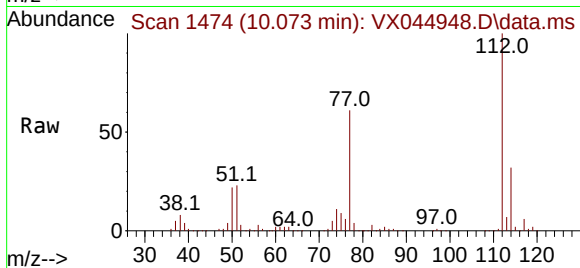
#65
Chlorobenzene
Concen: 52.037 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 19130
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

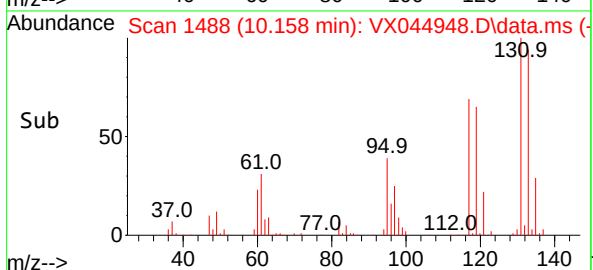
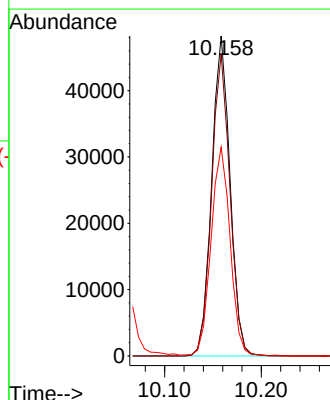
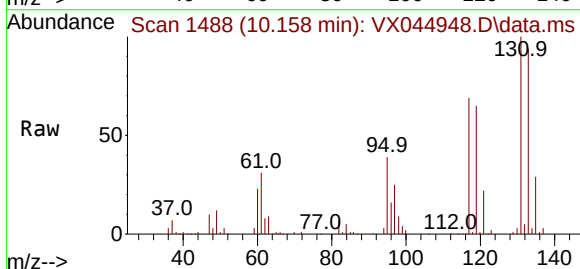
Manual Integrations
APPROVED

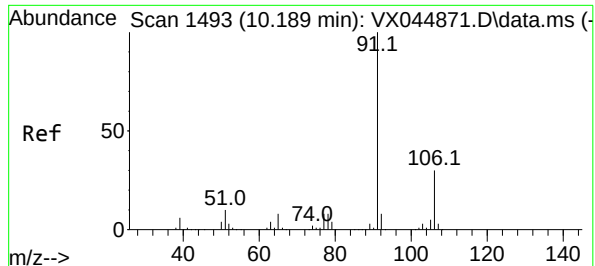
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 53.691 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:131 Resp: 63533
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.3
119 68.0 33.6 100.6





#67

Ethyl Benzene

Concen: 52.604 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 341272

Ion Ratio Lower Upper

91 100

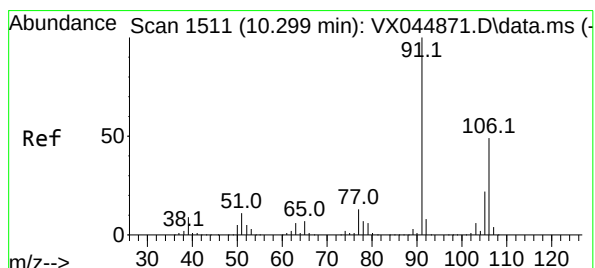
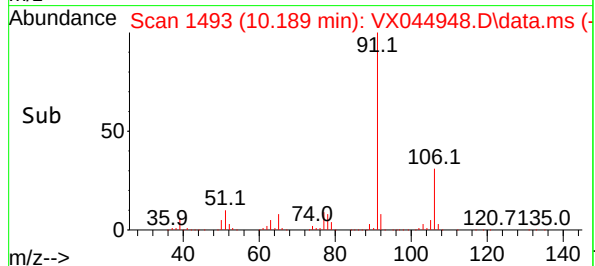
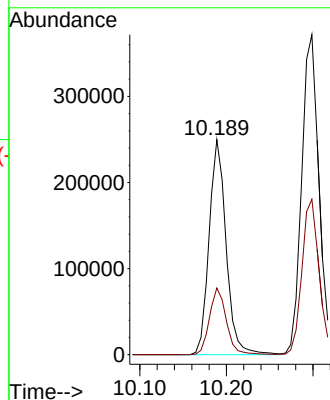
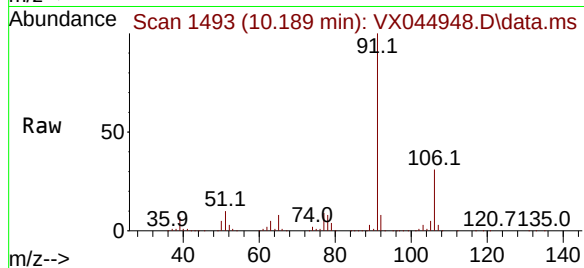
106 31.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#68

m/p-Xylenes

Concen: 105.747 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044948.D

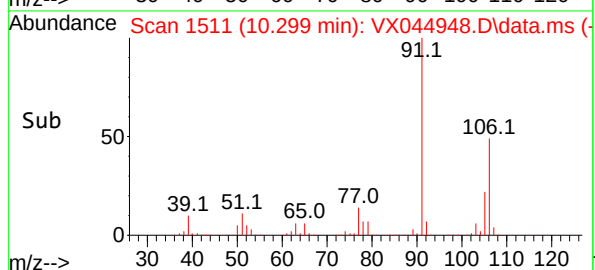
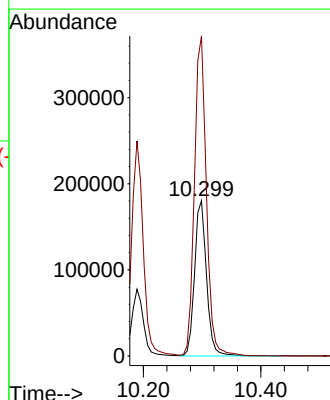
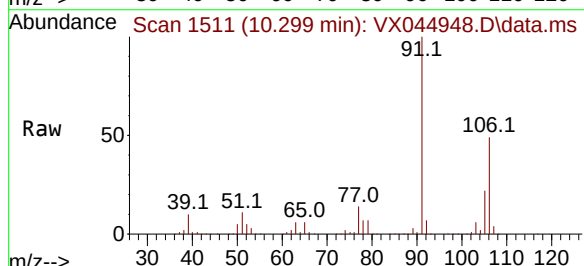
Acq: 14 Feb 2025 10:04

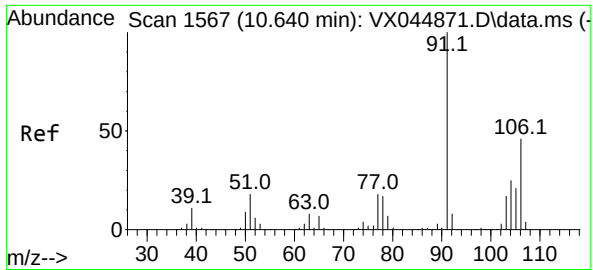
Tgt Ion:106 Resp: 253071

Ion Ratio Lower Upper

106 100

91 207.1 164.3 246.5





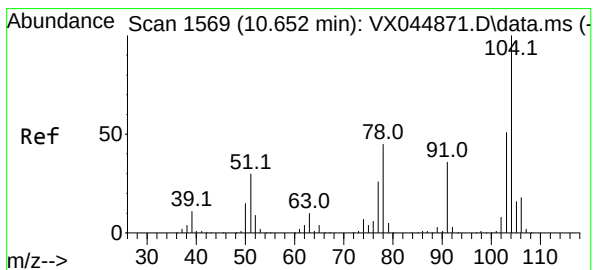
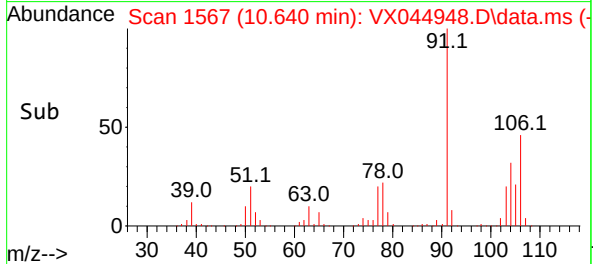
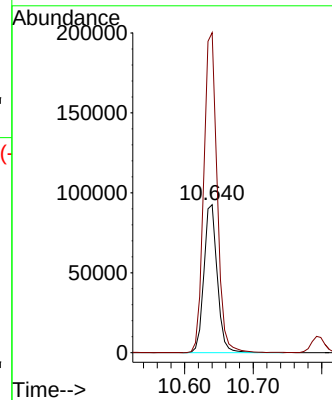
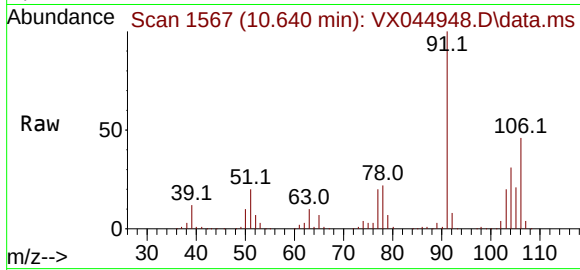
#69
o-Xylene
Concen: 52.257 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 125488
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5

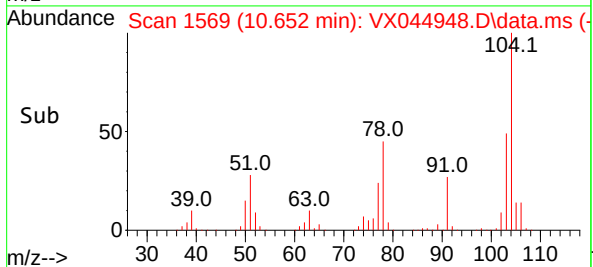
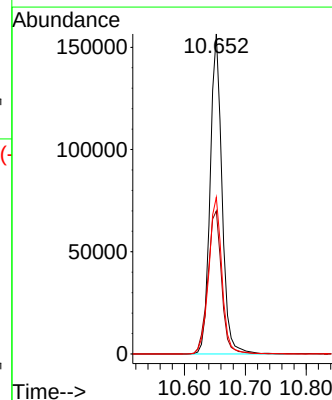
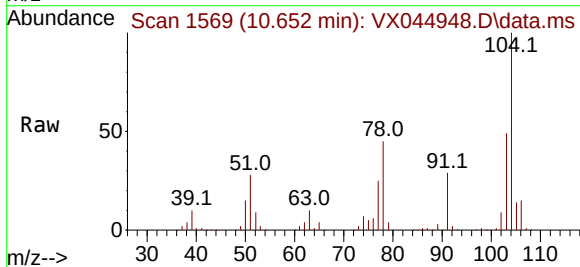
Manual Integrations
APPROVED

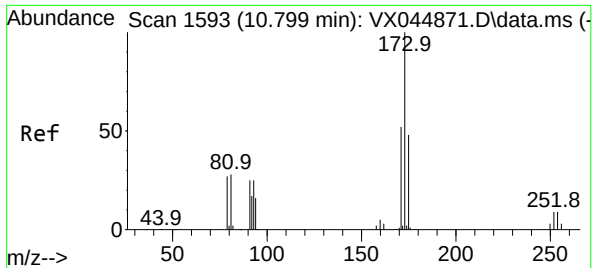
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#70
Styrene
Concen: 55.028 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

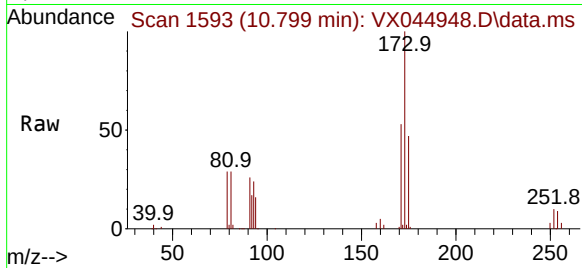
Tgt Ion:104 Resp: 212892
Ion Ratio Lower Upper
104 100
78 51.6 40.5 60.7
103 54.2 43.6 65.4





#71
Bromoform
Concen: 56.956 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

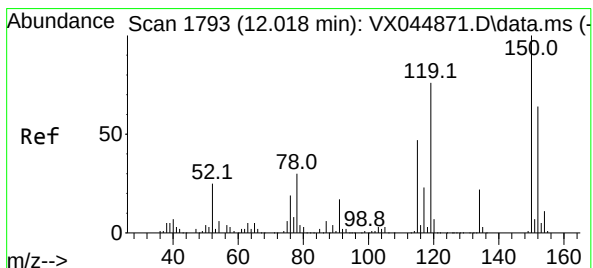
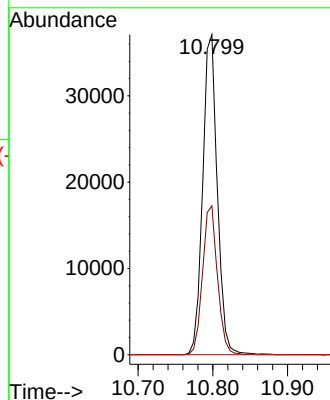
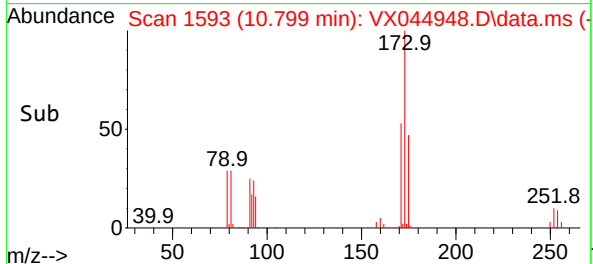
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



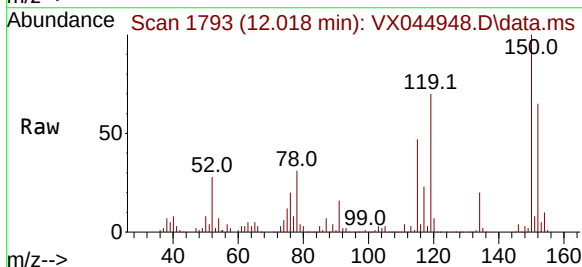
Tgt Ion:173 Resp: 50298
Ion Ratio Lower Upper
173 100
175 47.4 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
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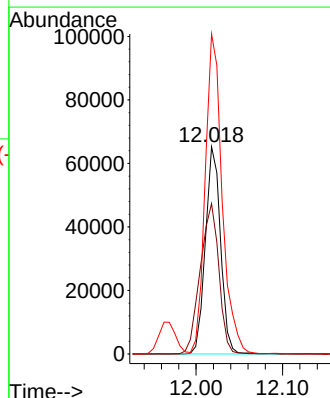
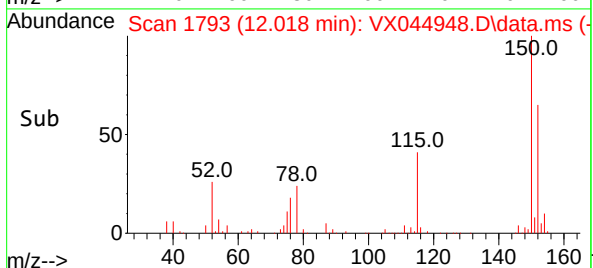
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

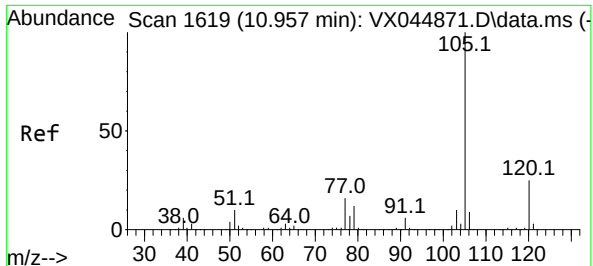


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04



Tgt Ion:152 Resp: 79140
Ion Ratio Lower Upper
152 100
115 89.1 43.4 130.1
150 172.5 0.0 350.4





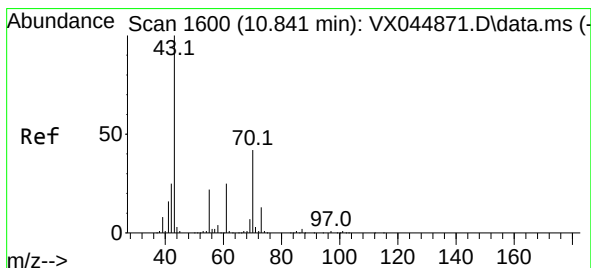
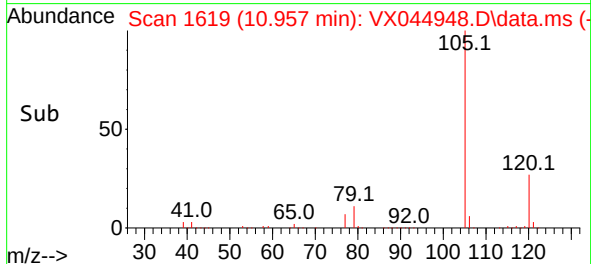
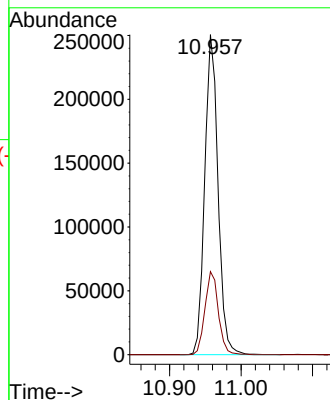
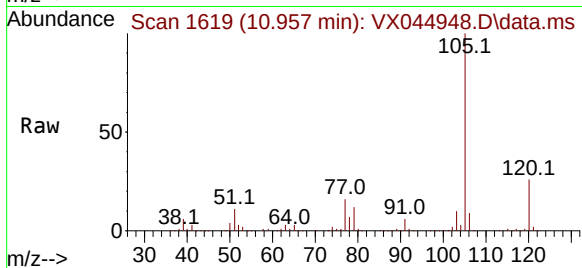
#73
Isopropylbenzene
Concen: 50.759 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 32345
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

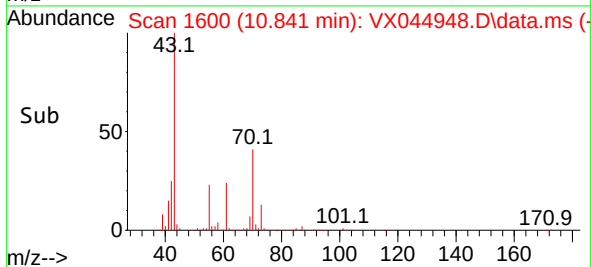
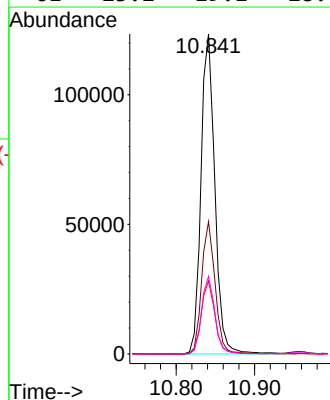
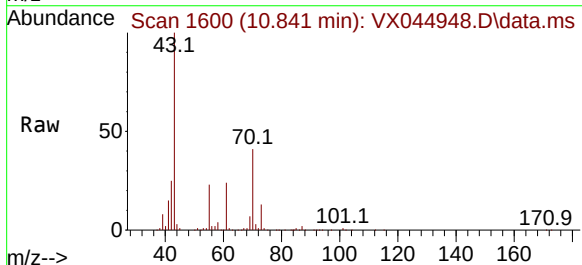
Manual Integrations
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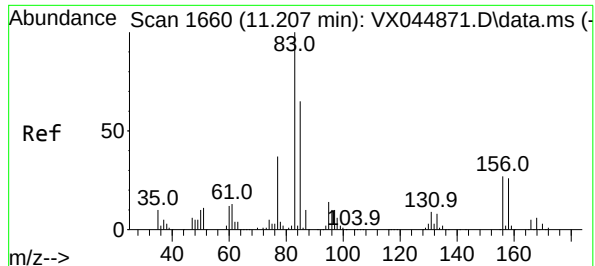
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#74
N-ethyl acetate
Concen: 52.711 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 43 Resp: 151995
Ion Ratio Lower Upper
43 100
70 40.1 33.7 50.5
55 22.8 18.6 27.8
61 23.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.450 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 108280

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

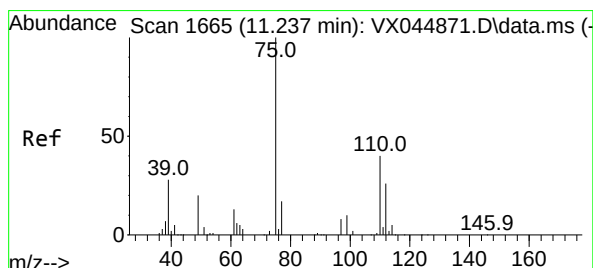
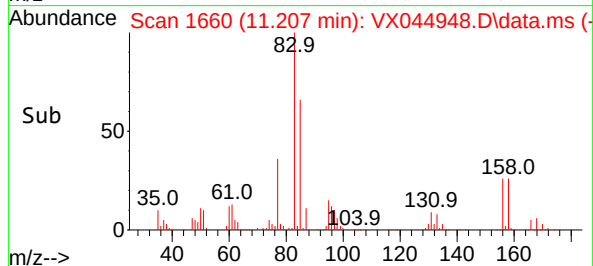
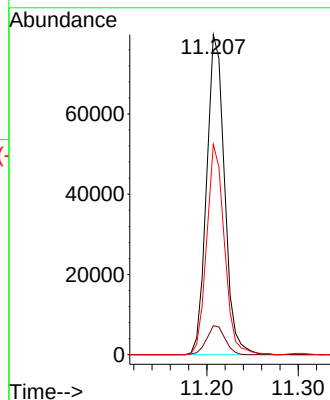
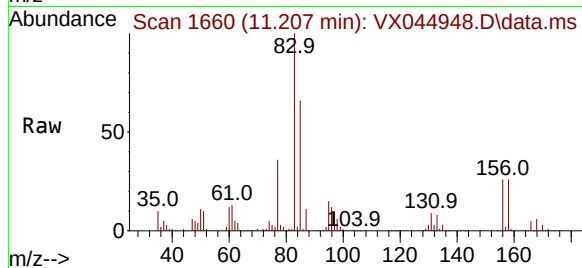
85 65.1 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#76

1,2,3-Trichloropropane

Concen: 51.210 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044948.D

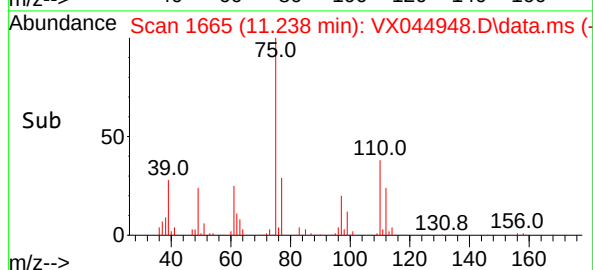
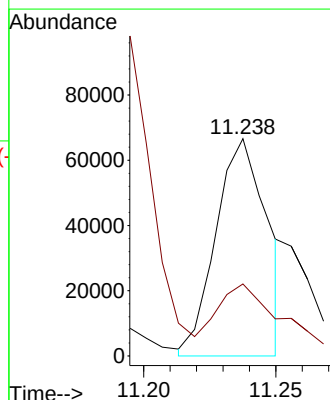
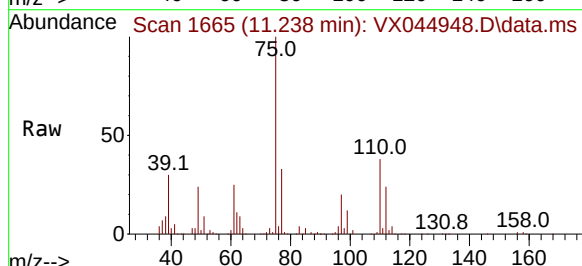
Acq: 14 Feb 2025 10:04

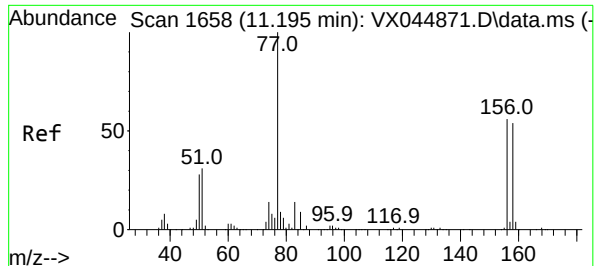
Tgt Ion: 75 Resp: 89855

Ion Ratio Lower Upper

75 100

77 42.6 21.9 65.7





#77

Bromobenzene

Concen: 51.785 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 7481

Ion Ratio Lower Upper

156 100

77 172.6 88.4 265.3

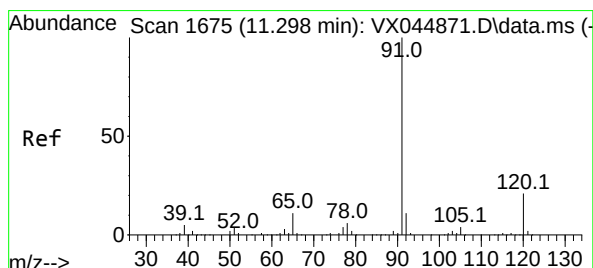
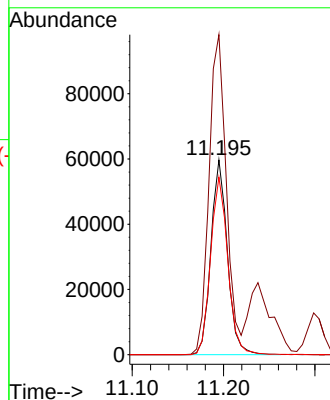
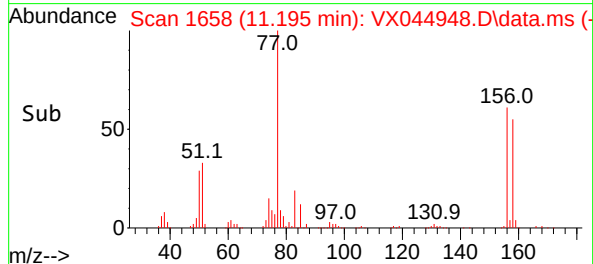
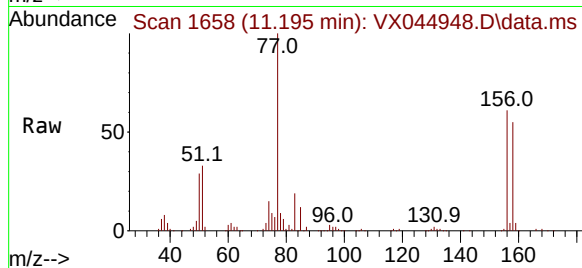
158 95.3 48.4 145.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#78

n-propylbenzene

Concen: 52.104 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044948.D

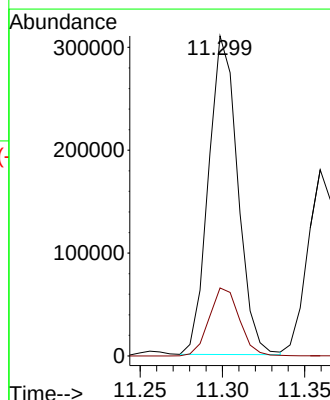
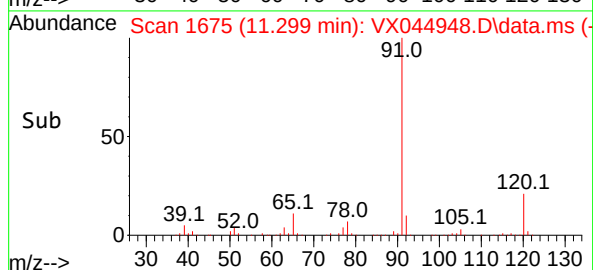
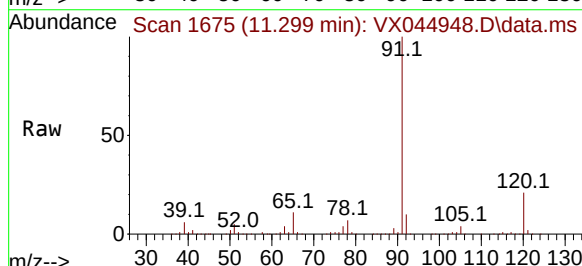
Acq: 14 Feb 2025 10:04

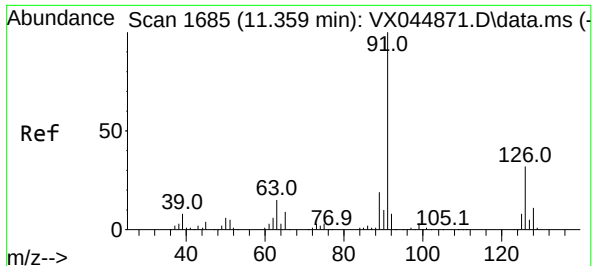
Tgt Ion: 91 Resp: 383227

Ion Ratio Lower Upper

91 100

120 22.1 11.1 33.3





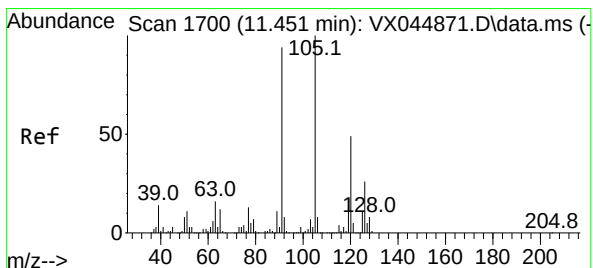
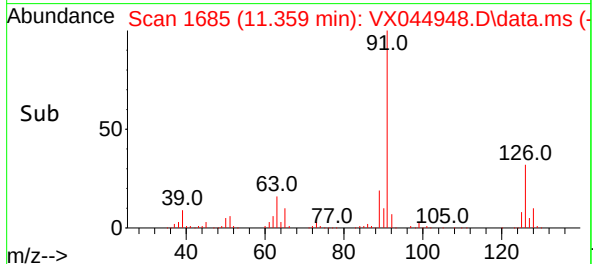
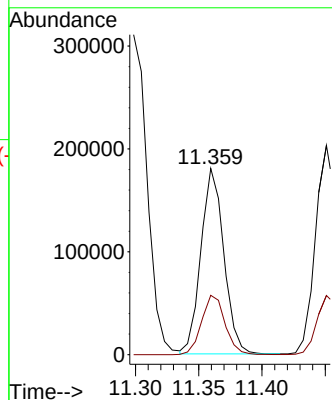
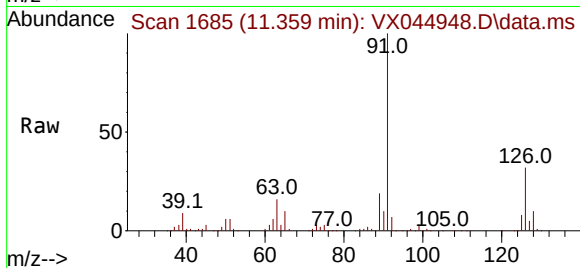
#79
2-Chlorotoluene
Concen: 50.293 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 227340
Ion Ratio Lower Upper
91 100
126 32.9 16.2 48.6

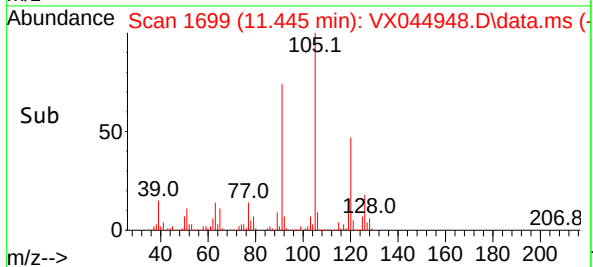
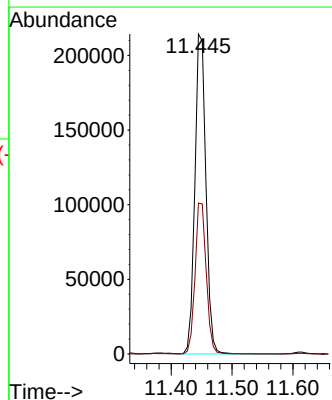
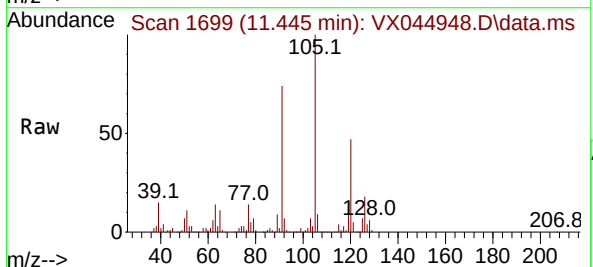
Manual Integrations
APPROVED

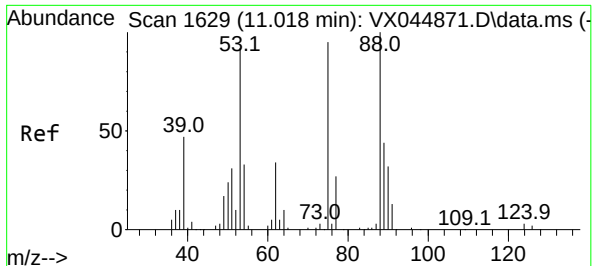
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 52.135 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:105 Resp: 269593
Ion Ratio Lower Upper
105 100
120 47.7 24.0 72.0





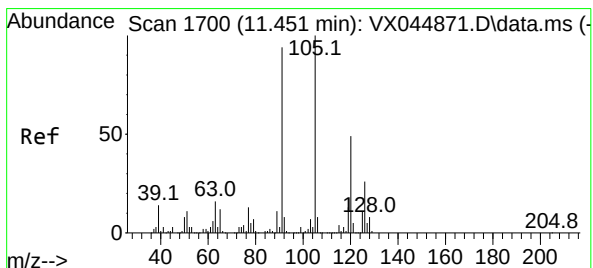
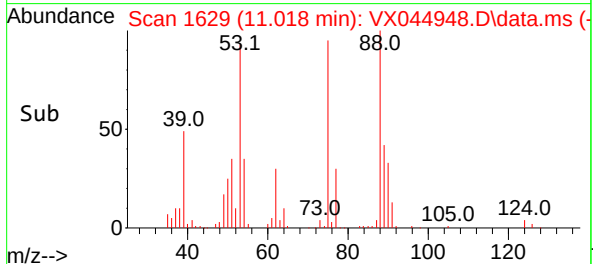
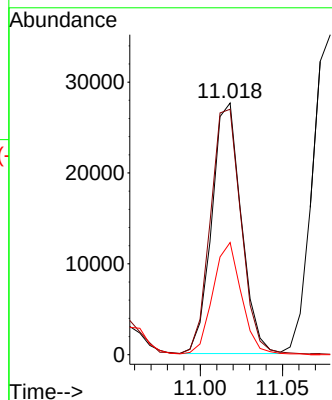
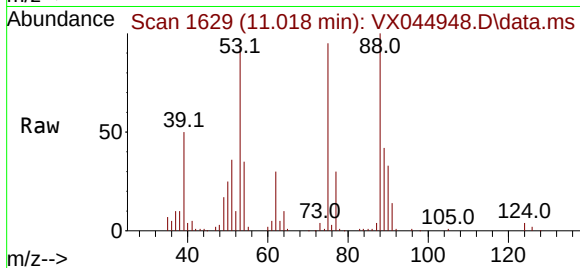
#81
trans-1,4-Dichloro-2-butene
Concen: 50.555 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 34484
Ion Ratio Lower Upper
75 100
53 103.0 78.0 117.0
89 43.6 36.6 54.8

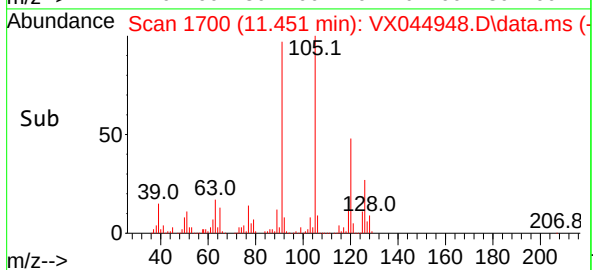
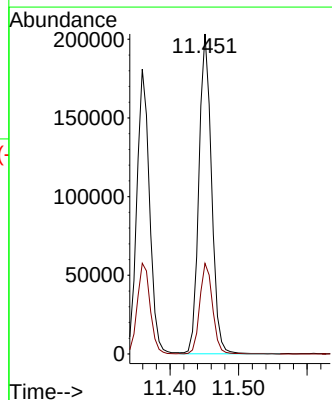
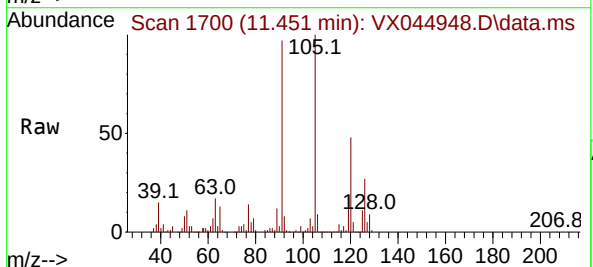
Manual Integrations
APPROVED

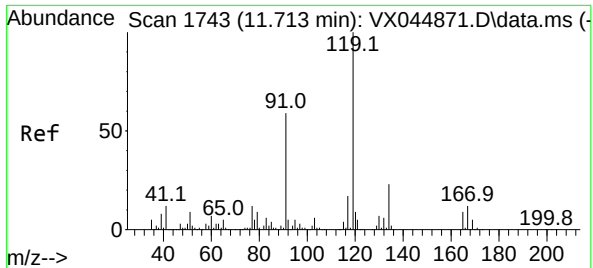
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#82
4-Chlorotoluene
Concen: 52.037 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

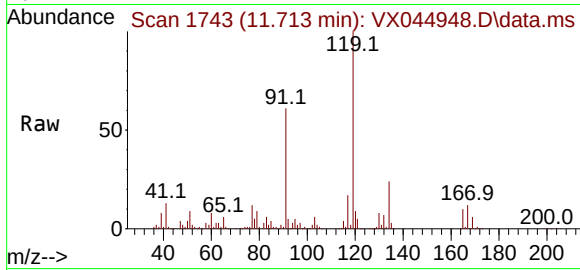
Tgt Ion: 91 Resp: 260241
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6





#83
tert-Butylbenzene
Concen: 51.808 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

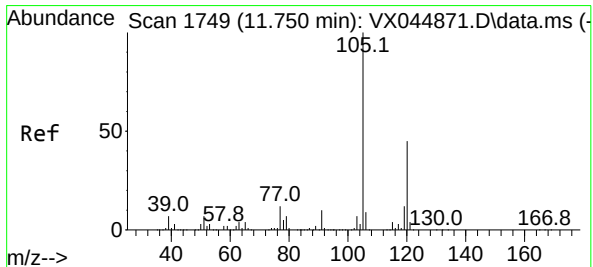
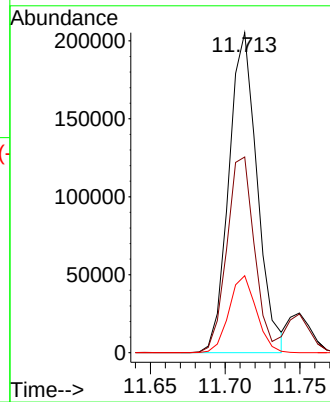
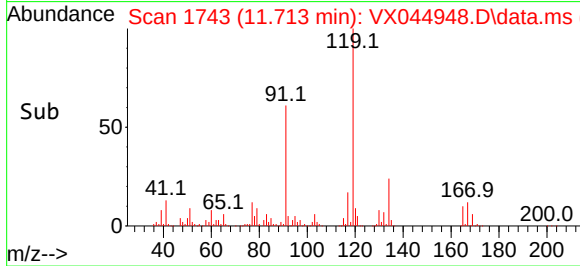
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



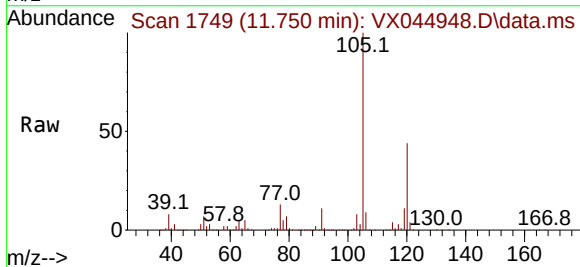
Tgt Ion:119 Resp: 271023
Ion Ratio Lower Upper
119 100
91 59.2 29.1 87.4
134 23.1 11.5 34.5

Manual Integrations
APPROVED

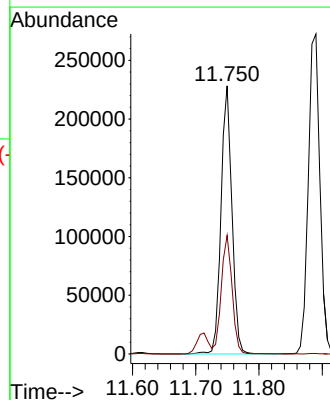
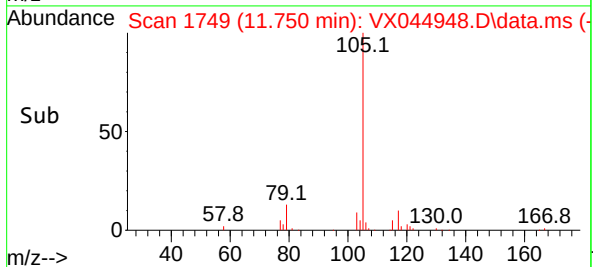
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

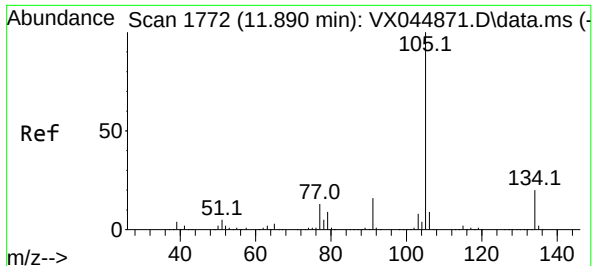


#84
1,2,4-Trimethylbenzene
Concen: 53.576 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04



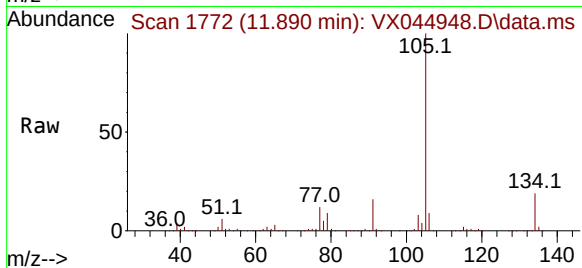
Tgt Ion:105 Resp: 273444
Ion Ratio Lower Upper
105 100
120 43.7 22.4 67.0





#85
sec-Butylbenzene
Concen: 53.285 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

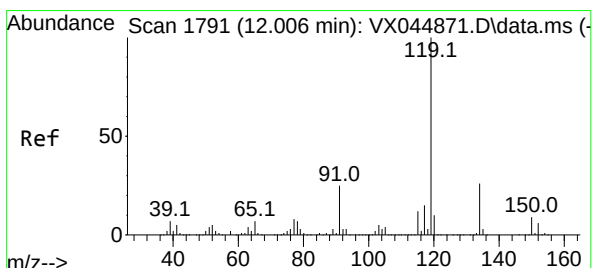
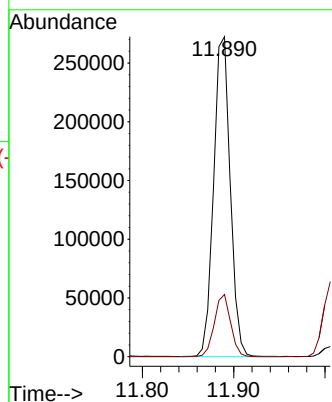
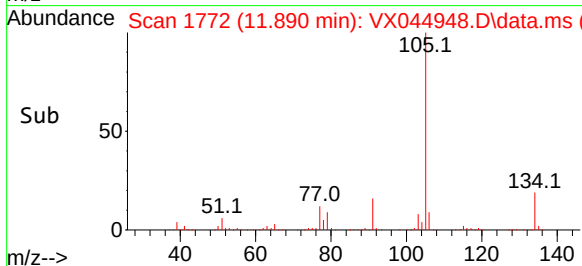
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



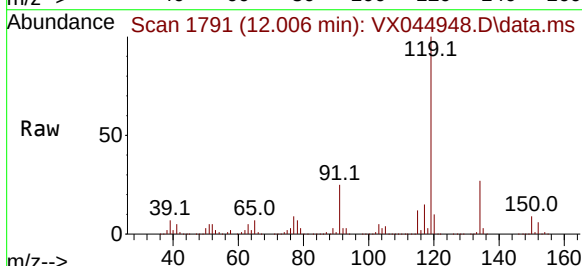
Tgt Ion:105 Resp: 345172
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.3

Manual Integrations
APPROVED

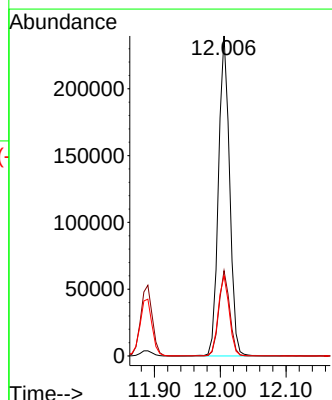
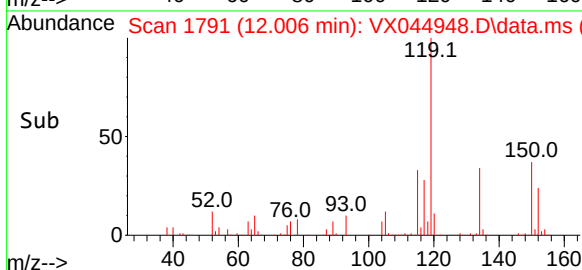
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

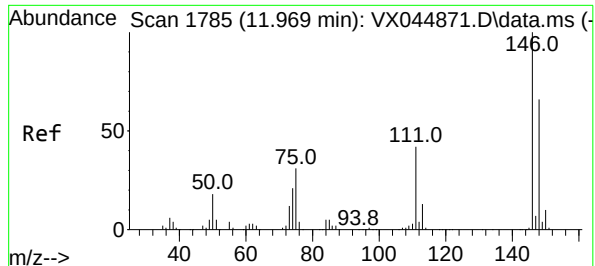


#86
p-Isopropyltoluene
Concen: 53.974 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04



Tgt Ion:119 Resp: 281168
Ion Ratio Lower Upper
119 100
134 26.0 13.0 38.9
91 24.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 52.302 ug/l

RT: 11.963 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 138952

Ion Ratio Lower Upper

146 100

111 41.8 21.2 63.6

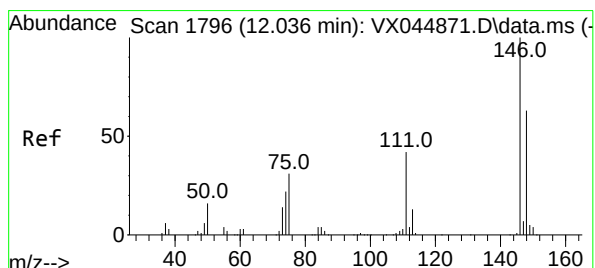
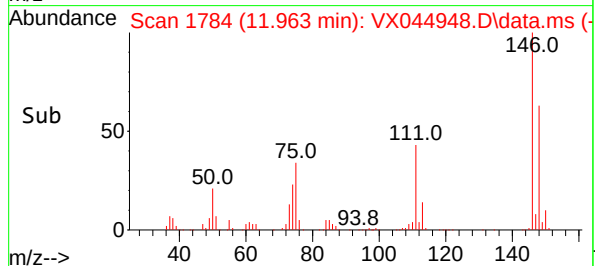
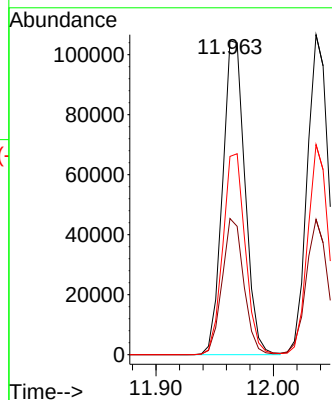
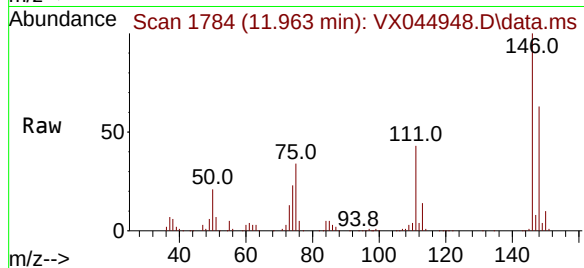
148 63.8 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#88

1,4-Dichlorobenzene

Concen: 51.107 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

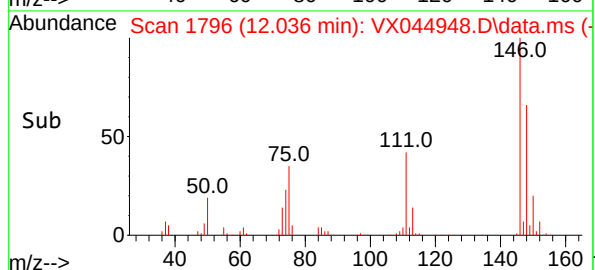
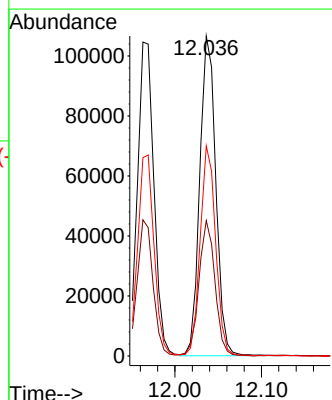
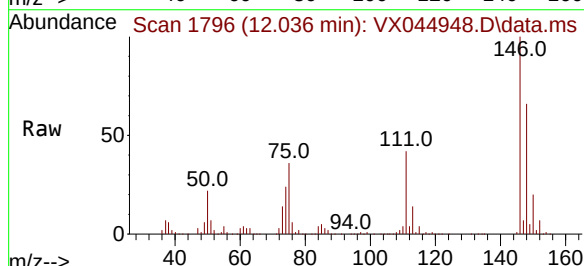
Tgt Ion:146 Resp: 137282

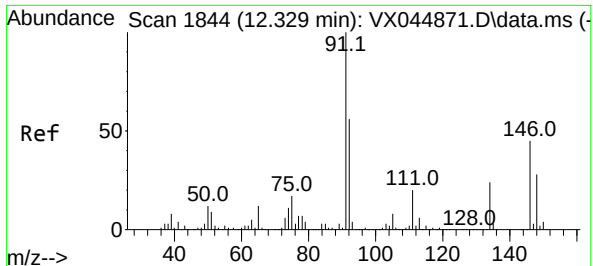
Ion Ratio Lower Upper

146 100

111 42.3 20.4 61.3

148 63.2 32.0 96.0





#89

n-Butylbenzene

Concen: 56.406 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044948.D

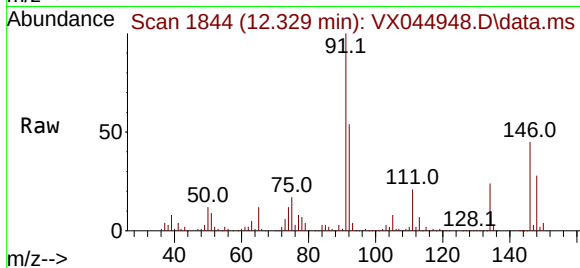
Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 91 Resp: 25995

Ion Ratio Lower Upper

91 100

92 54.0 27.2 81.6

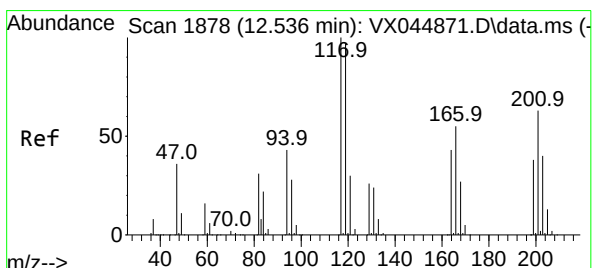
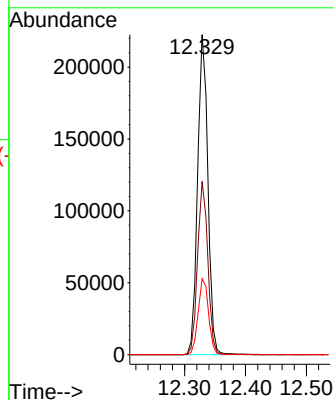
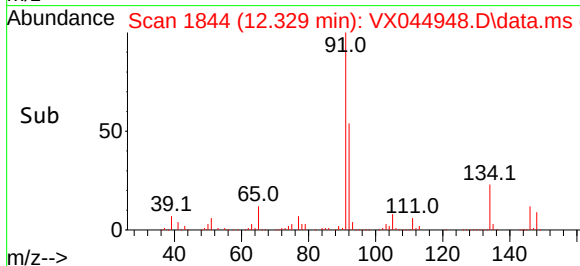
134 24.3 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#90

Hexachloroethane

Concen: 51.715 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044948.D

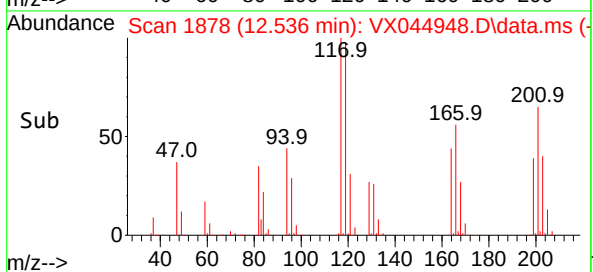
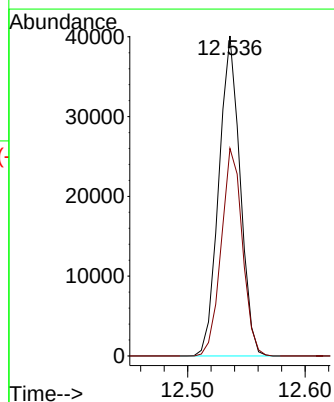
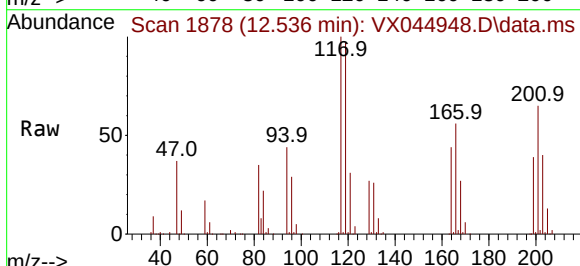
Acq: 14 Feb 2025 10:04

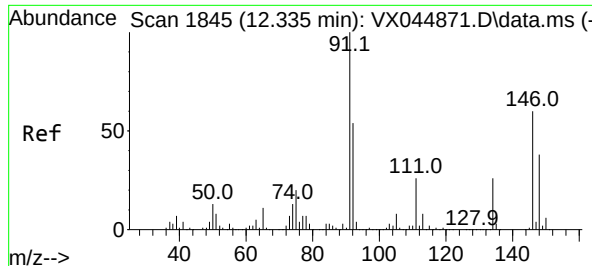
Tgt Ion:117 Resp: 50444

Ion Ratio Lower Upper

117 100

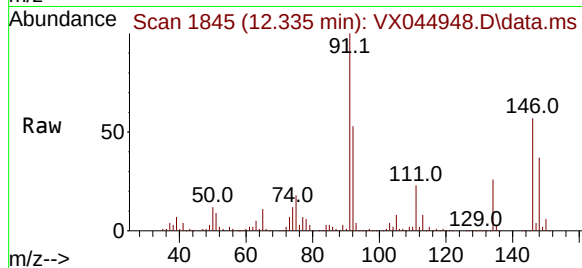
201 64.6 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 51.683 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

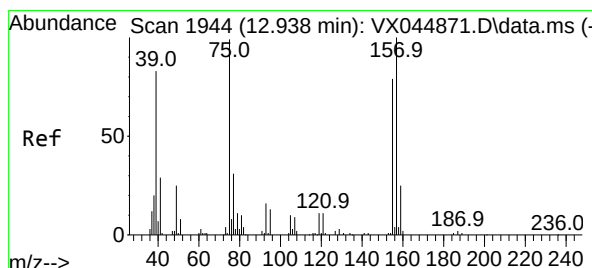
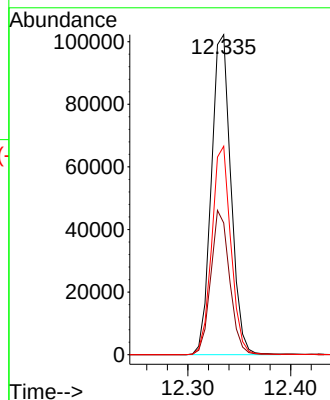
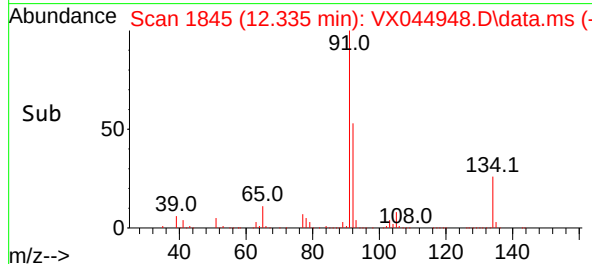
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 134948
Ion Ratio Lower Upper
146 100
111 43.2 21.8 65.4
148 63.8 31.9 95.9

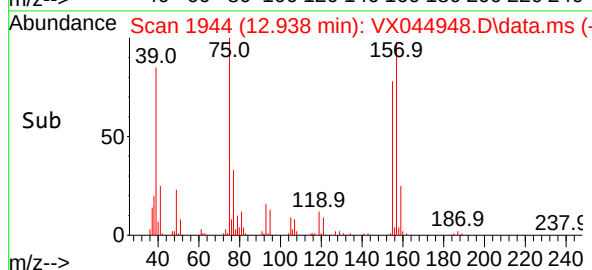
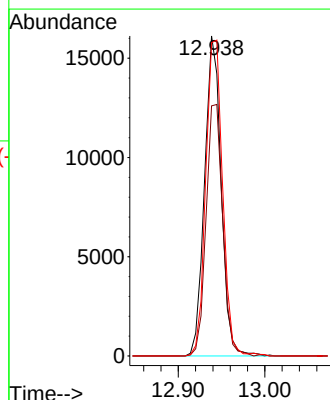
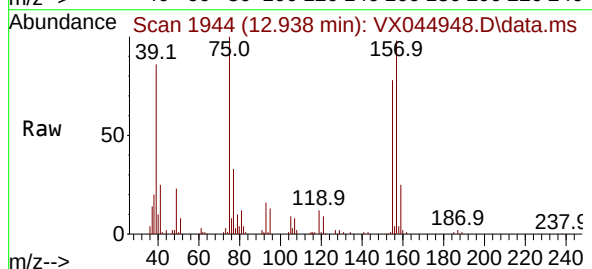
Manual Integrations
APPROVED

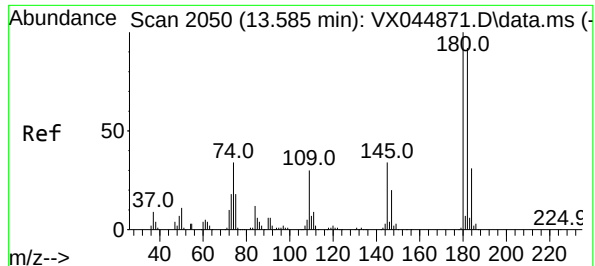
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.715 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 75 Resp: 21467
Ion Ratio Lower Upper
75 100
155 78.7 40.5 121.4
157 100.5 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 52.814 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

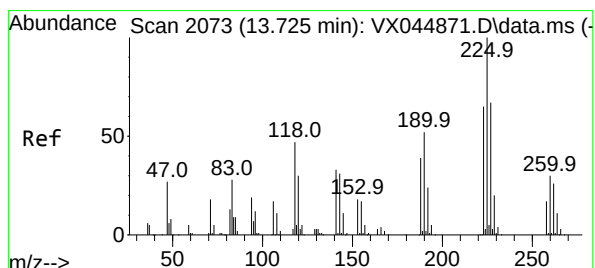
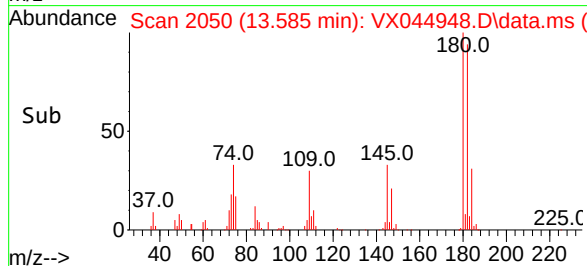
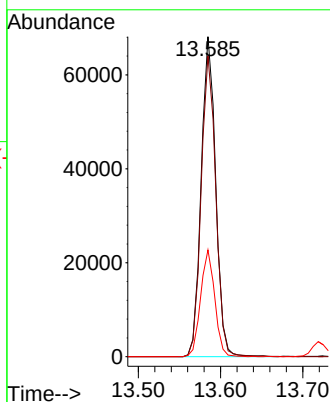
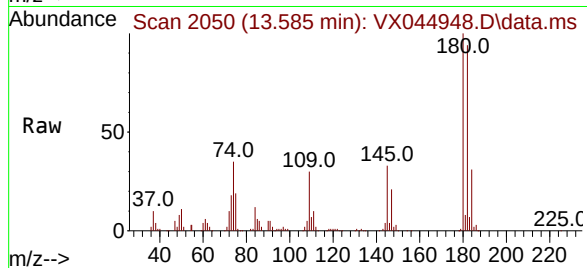
VSTDCCC050

Tgt Ion:	180	Resp:	8344
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.6	142.8
145	32.5	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#94

Hexachlorobutadiene

Concen: 53.707 ug/l

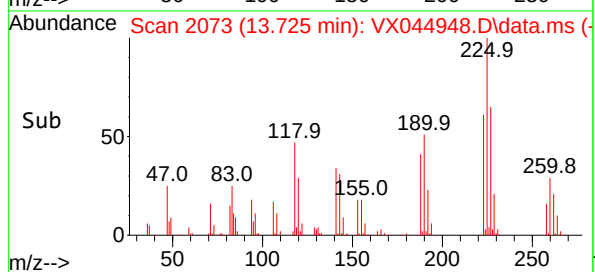
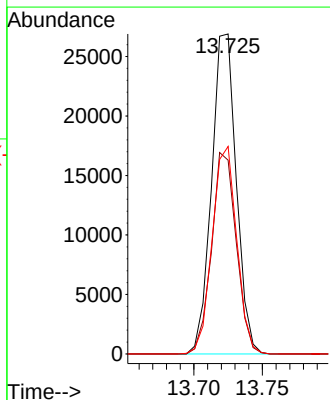
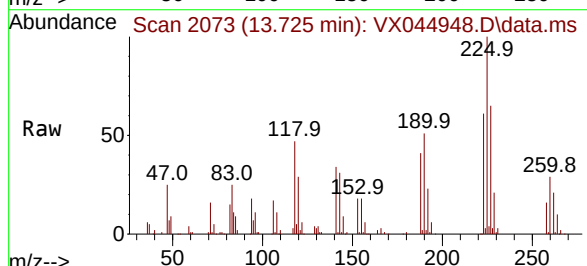
RT: 13.725 min Scan# 2073

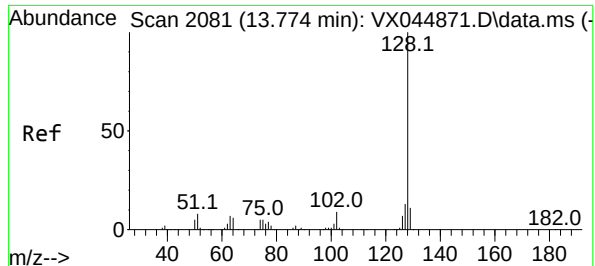
Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Tgt Ion:	225	Resp:	33686
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.2
227	64.5	32.3	96.8





#95

Naphthalene

Concen: 52.263 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 298494

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

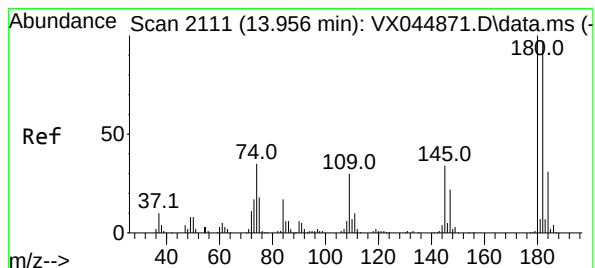
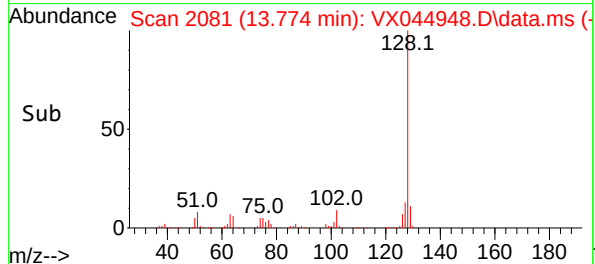
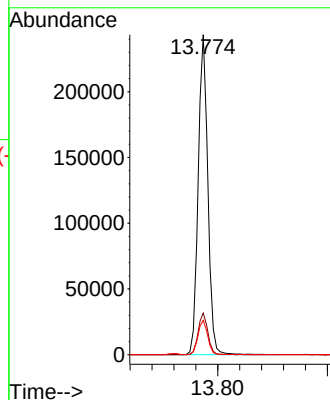
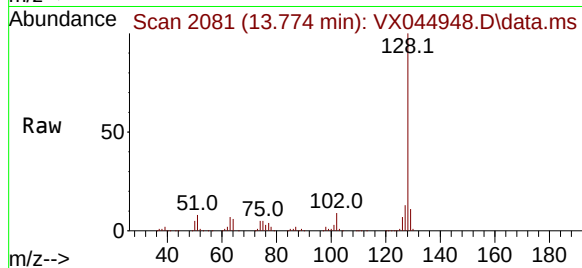
129 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.918 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

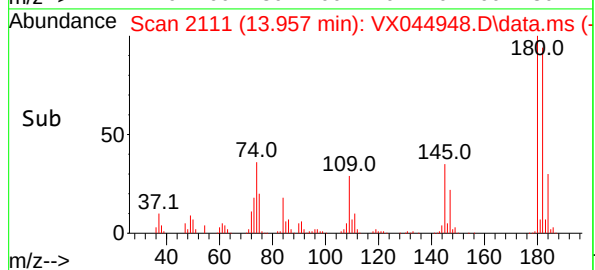
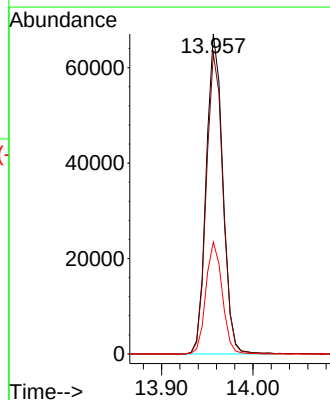
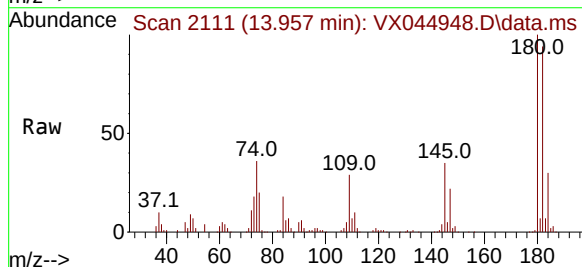
Tgt Ion:180 Resp: 84247

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.6

145 34.4 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	0.701	0.746	-6.4	93	0.00
3 P	Chloromethane	0.854	0.855	-0.1	88	0.00
4 C	Vinyl Chloride	0.827	0.803	2.9#	87	0.00
5 T	Bromomethane	0.247	0.285	-15.4	100	0.00
6 T	Chloroethane	0.307	0.432	-40.7#	110	0.00
7 T	Trichlorofluoromethane	1.046	1.097	-4.9	93	0.00
8 T	Diethyl Ether	0.379	0.394	-4.0	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.656	-3.8	92	0.00
10 T	Methyl Iodide	0.819	0.868	-6.0	89	0.00
11 T	Tert butyl alcohol	0.136	0.134	1.5	85	-0.01
12 CM	1,1-Dichloroethene	0.644	0.637	1.1#	88	0.00
13 T	Acrolein	0.140	0.153	-9.3	94	0.00
14 T	Allyl chloride	1.165	1.167	-0.2	88	0.00
15 T	Acrylonitrile	0.363	0.378	-4.1	87	0.00
16 T	Acetone	0.294	0.310	-5.4	92	0.00
17 T	Carbon Disulfide	1.767	1.631	7.7	81	0.00
18 T	Methyl Acetate	0.928	0.982	-5.8	91	0.00
19 T	Methyl tert-butyl Ether	2.050	2.063	-0.6	88	0.00
20 T	Methylene Chloride	0.721	0.709	1.7	88	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.627	1.1	85	0.00
22 T	Diisopropyl ether	2.203	2.293	-4.1	89	0.00
23 T	Vinyl Acetate	1.796	1.866	-3.9	88	0.00
24 P	1,1-Dichloroethane	1.233	1.248	-1.2	89	0.00
25 T	2-Butanone	0.478	0.507	-6.1	87	0.00
26 T	2,2-Dichloropropane	0.978	0.973	0.5	89	-0.01
27 T	cis-1,2-Dichloroethene	0.762	0.762	0.0	88	0.00
28 T	Bromochloromethane	0.593	0.594	-0.2	89	0.00
29 T	Tetrahydrofuran	0.317	0.328	-3.5	87	-0.01
30 C	Chloroform	1.196	1.212	-1.3#	90	0.00
31 T	Cyclohexane	1.137	1.103	3.0	86	0.00
32 T	1,1,1-Trichloroethane	1.014	1.027	-1.3	89	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.726	0.8	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35 S	Dibromofluoromethane	0.325	0.335	-3.1	87	0.00
36 T	1,1-Dichloropropene	0.469	0.475	-1.3	86	0.00
37 T	Ethyl Acetate	0.522	0.551	-5.6	87	0.00
38 T	Carbon Tetrachloride	0.460	0.493	-7.2	91	0.00
39 T	Methylcyclohexane	0.606	0.650	-7.3	87	0.00
40 TM	Benzene	1.465	1.515	-3.4	86	0.00
41 T	Methacrylonitrile	0.279	0.321	-15.1	89	0.00
42 TM	1,2-Dichloroethane	0.467	0.510	-9.2	90	0.00
43 T	Isopropyl Acetate	0.842	0.914	-8.6	87	0.00
44 TM	Trichloroethene	0.335	0.353	-5.4	88	0.00
45 C	1,2-Dichloropropane	0.364	0.380	-4.4#	86	0.00
46 T	Dibromomethane	0.253	0.267	-5.5	87	0.00
47 T	Bromodichloromethane	0.489	0.537	-9.8	90	0.00
48 T	Methyl methacrylate	0.397	0.433	-9.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.009	0.0	85	0.00
50 S	Toluene-d8	1.229	1.231	-0.2	83	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.589	-15.0	89	0.00
52 CM	Toluene	0.872	0.912	-4.6#	85	0.00
53 T	t-1,3-Dichloropropene	0.495	0.526	-6.3	85	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.593	-7.4	86	0.00
55 T	1,1,2-Trichloroethane	0.335	0.359	-7.2	88	0.00
56 T	Ethyl methacrylate	0.542	0.582	-7.4	84	0.00
57 T	1,3-Dichloropropane	0.587	0.630	-7.3	87	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.289	-8.6	84	0.00
59 T	2-Hexanone	0.369	0.430	-16.5	89	0.00
60 T	Dibromochloromethane	0.359	0.395	-10.0	88	0.00
61 T	1,2-Dibromoethane	0.340	0.361	-6.2	86	0.00
62 S	4-Bromofluorobenzene	0.414	0.440	-6.3	85	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64 T	Tetrachloroethene	0.315	0.332	-5.4	89	0.00
65 PM	Chlorobenzene	1.074	1.118	-4.1	85	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.371	-7.2	88	0.00
67 C	Ethyl Benzene	1.895	1.994	-5.2#	86	0.00
68 T	m/p-Xylenes	0.699	0.739	-5.7	85	0.00
69 T	o-Xylene	0.701	0.733	-4.6	87	0.00
70 T	Styrene	1.130	1.244	-10.1	87	0.00
71 P	Bromoform	0.258	0.294	-14.0	88	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73 T	Isopropylbenzene	4.026	4.087	-1.5	86	0.00
74 T	N-amyl acetate	1.822	1.921	-5.4	86	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.368	1.1	86	0.00
76 T	1,2,3-Trichloropropane	1.109	1.135	-2.3	88	0.00
77 T	Bromobenzene	0.913	0.945	-3.5	89	0.00
78 T	n-propylbenzene	4.647	4.842	-4.2	88	0.00
79 T	2-Chlorotoluene	2.856	2.873	-0.6	86	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.407	-4.3	88	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.436	-1.2	85	0.00
82 T	4-Chlorotoluene	3.160	3.288	-4.1	88	0.00
83 T	tert-Butylbenzene	3.305	3.425	-3.6	88	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.455	-7.1	88	0.00
85 T	sec-Butylbenzene	4.093	4.362	-6.6	90	0.00
86 T	p-Isopropyltoluene	3.291	3.553	-8.0	89	0.00
87 T	1,3-Dichlorobenzene	1.678	1.756	-4.6	89	0.00
88 T	1,4-Dichlorobenzene	1.697	1.735	-2.2	88	0.00
89 T	n-Butylbenzene	2.912	3.285	-12.8	90	0.00
90 T	Hexachloroethane	0.616	0.637	-3.4	89	0.00
91 T	1,2-Dichlorobenzene	1.650	1.705	-3.3	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.271	-7.5	90	0.00
93 T	1,2,4-Trichlorobenzene	0.998	1.054	-5.6	89	0.00
94 T	Hexachlorobutadiene	0.396	0.426	-7.6	95	0.00
95 T	Naphthalene	3.608	3.772	-4.5	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.065	-5.9	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	87	0.00
2 T	Dichlorodifluoromethane	50.000	53.216	-6.4	93	0.00
3 P	Chloromethane	50.000	50.063	-0.1	88	0.00
4 C	Vinyl Chloride	50.000	48.568	2.9#	87	0.00
5 T	Bromomethane	50.000	57.519	-15.0	100	0.00
6 T	Chloroethane	50.000	75.147	-50.3#	110	0.00
7 T	Trichlorofluoromethane	50.000	52.436	-4.9	93	0.00
8 T	Diethyl Ether	50.000	52.000	-4.0	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.947	-3.9	92	0.00
10 T	Methyl Iodide	50.000	52.995	-6.0	89	0.00
11 T	Tert butyl alcohol	250.000	245.988	1.6	85	-0.01
12 CM	1,1-Dichloroethene	50.000	49.386	1.2#	88	0.00
13 T	Acrolein	250.000	272.483	-9.0	94	0.00
14 T	Allyl chloride	50.000	50.110	-0.2	88	0.00
15 T	Acrylonitrile	250.000	260.443	-4.2	87	0.00
16 T	Acetone	250.000	263.641	-5.5	92	0.00
17 T	Carbon Disulfide	50.000	46.138	7.7	81	0.00
18 T	Methyl Acetate	50.000	52.872	-5.7	91	0.00
19 T	Methyl tert-butyl Ether	50.000	50.309	-0.6	88	0.00
20 T	Methylene Chloride	50.000	49.206	1.6	88	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.443	1.1	85	0.00
22 T	Diisopropyl ether	50.000	52.025	-4.0	89	0.00
23 T	Vinyl Acetate	250.000	259.654	-3.9	88	0.00
24 P	1,1-Dichloroethane	50.000	50.620	-1.2	89	0.00
25 T	2-Butanone	250.000	265.167	-6.1	87	0.00
26 T	2,2-Dichloropropane	50.000	49.758	0.5	89	-0.01
27 T	cis-1,2-Dichloroethene	50.000	50.033	-0.1	88	0.00
28 T	Bromochloromethane	50.000	50.132	-0.3	89	0.00
29 T	Tetrahydrofuran	250.000	258.456	-3.4	87	-0.01
30 C	Chloroform	50.000	50.664	-1.3#	90	0.00
31 T	Cyclohexane	50.000	48.511	3.0	86	0.00
32 T	1,1,1-Trichloroethane	50.000	50.622	-1.2	89	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.577	0.8	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35 S	Dibromofluoromethane	50.000	51.473	-2.9	87	0.00
36 T	1,1-Dichloropropene	50.000	50.648	-1.3	86	0.00
37 T	Ethyl Acetate	50.000	52.854	-5.7	87	0.00
38 T	Carbon Tetrachloride	50.000	53.647	-7.3	91	0.00
39 T	Methylcyclohexane	50.000	53.611	-7.2	87	0.00
40 TM	Benzene	50.000	51.720	-3.4	86	0.00
41 T	Methacrylonitrile	50.000	57.439	-14.9	89	0.00
42 TM	1,2-Dichloroethane	50.000	54.630	-9.3	90	0.00
43 T	Isopropyl Acetate	50.000	54.238	-8.5	87	0.00
44 TM	Trichloroethene	50.000	52.686	-5.4	88	0.00
45 C	1,2-Dichloropropane	50.000	52.086	-4.2#	86	0.00
46 T	Dibromomethane	50.000	52.910	-5.8	87	0.00
47 T	Bromodichloromethane	50.000	54.897	-9.8	90	0.00
48 T	Methyl methacrylate	50.000	54.559	-9.1	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1079.521	-8.0	85	0.00
50 S	Toluene-d8	50.000	50.081	-0.2	83	0.00
51 T	4-Methyl-2-Pentanone	250.000	287.542	-15.0	89	0.00
52 CM	Toluene	50.000	52.259	-4.5#	85	0.00
53 T	t-1,3-Dichloropropene	50.000	53.088	-6.2	85	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.670	-7.3	86	0.00
55 T	1,1,2-Trichloroethane	50.000	53.569	-7.1	88	0.00
56 T	Ethyl methacrylate	50.000	53.714	-7.4	84	0.00
57 T	1,3-Dichloropropane	50.000	53.730	-7.5	87	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	271.549	-8.6	84	0.00
59 T	2-Hexanone	250.000	291.536	-16.6	89	0.00
60 T	Dibromochloromethane	50.000	55.049	-10.1	88	0.00
61 T	1,2-Dibromoethane	50.000	53.050	-6.1	86	0.00
62 S	4-Bromofluorobenzene	50.000	53.134	-6.3	85	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64 T	Tetrachloroethene	50.000	52.606	-5.2	89	0.00
65 PM	Chlorobenzene	50.000	52.037	-4.1	85	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.691	-7.4	88	0.00
67 C	Ethyl Benzene	50.000	52.604	-5.2#	86	0.00
68 T	m/p-Xylenes	100.000	105.747	-5.7	85	0.00
69 T	o-Xylene	50.000	52.257	-4.5	87	0.00
70 T	Styrene	50.000	55.028	-10.1	87	0.00
71 P	Bromoform	50.000	56.956	-13.9	88	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73 T	Isopropylbenzene	50.000	50.759	-1.5	86	0.00
74 T	N-amyl acetate	50.000	52.711	-5.4	86	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.450	1.1	86	0.00
76 T	1,2,3-Trichloropropane	50.000	51.210	-2.4	88	0.00
77 T	Bromobenzene	50.000	51.785	-3.6	89	0.00
78 T	n-propylbenzene	50.000	52.104	-4.2	88	0.00
79 T	2-Chlorotoluene	50.000	50.293	-0.6	86	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.135	-4.3	88	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.555	-1.1	85	0.00
82 T	4-Chlorotoluene	50.000	52.037	-4.1	88	0.00
83 T	tert-Butylbenzene	50.000	51.808	-3.6	88	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.576	-7.2	88	0.00
85 T	sec-Butylbenzene	50.000	53.285	-6.6	90	0.00
86 T	p-Isopropyltoluene	50.000	53.974	-7.9	89	0.00
87 T	1,3-Dichlorobenzene	50.000	52.302	-4.6	89	0.00
88 T	1,4-Dichlorobenzene	50.000	51.107	-2.2	88	0.00
89 T	n-Butylbenzene	50.000	56.406	-12.8	90	0.00
90 T	Hexachloroethane	50.000	51.715	-3.4	89	0.00
91 T	1,2-Dichlorobenzene	50.000	51.683	-3.4	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.715	-7.4	90	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.814	-5.6	89	0.00
94 T	Hexachlorobutadiene	50.000	53.707	-7.4	95	0.00
95 T	Naphthalene	50.000	52.263	-4.5	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.918	-5.8	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1352 SAS No.: Q1352 SDG No.: Q1352

Instrument ID: MSVOA_X Calibration Date/Time: 02/14/2025 20:06

Lab File ID: VX044974.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.827	0.791		-4.35	50
1,1-Dichloroethene	0.644	0.650		0.93	50
2-Butanone	0.478	0.578		20.92	50
Carbon Tetrachloride	0.460	0.487		5.87	50
Chloroform	1.196	1.296		8.36	50
Benzene	1.465	1.543		5.32	50
1,2-Dichloroethane	0.467	0.534		14.35	50
Trichloroethene	0.335	0.359		7.16	50
Tetrachloroethene	0.315	0.320		1.59	50
Chlorobenzene	1.074	1.141	0.3	6.24	50
1,2-Dichloroethane-d4	0.732	0.698		-4.64	50
Dibromofluoromethane	0.325	0.301		-7.39	50
Toluene-d8	1.229	1.100		-10.5	50
4-Bromofluorobenzene	0.414	0.407		-1.69	50

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044974.D
 Acq On : 14 Feb 2025 20:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	171556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65892	47.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.320%		
35) Dibromofluoromethane	5.379	113	51627	46.286	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.580%		
50) Toluene-d8	8.647	98	188654	44.728	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.460%		
62) 4-Bromofluorobenzene	11.079	95	69901	49.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66679	50.338	ug/l	98
3) Chloromethane	1.307	50	79606	49.377	ug/l	100
4) Vinyl Chloride	1.374	62	74720	47.840	ug/l	98
5) Bromomethane	1.599	94	32471	69.475	ug/l	94
6) Chloroethane	1.678	64	43505m	83.535	ug/l	
7) Trichlorofluoromethane	1.880	101	104484	52.899	ug/l	97
8) Diethyl Ether	2.130	74	38138	53.242	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	58245	48.807	ug/l	98
10) Methyl Iodide	2.447	142	81938	52.978	ug/l	97
11) Tert butyl alcohol	2.959	59	81773	318.831	ug/l	98
12) 1,1-Dichloroethene	2.313	96	61347	50.395	ug/l	99
13) Acrolein	2.233	56	73377	277.291	ug/l	99
14) Allyl chloride	2.660	41	115796	52.634	ug/l	97
15) Acrylonitrile	3.056	53	198676	290.127	ug/l	98
16) Acetone	2.373	43	169746	305.420	ug/l	97
17) Carbon Disulfide	2.508	76	158094	47.360	ug/l	100
18) Methyl Acetate	2.697	43	102495	58.441	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	210056	54.234	ug/l	99
20) Methylene Chloride	2.782	84	70630	51.883	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	61493	51.325	ug/l	90
22) Diisopropyl ether	3.757	45	229760	55.202	ug/l	96
23) Vinyl Acetate	3.715	43	961165	283.261	ug/l	99
24) 1,1-Dichloroethane	3.605	63	124800	53.588	ug/l	97
25) 2-Butanone	4.550	43	272772	302.246	ug/l	97
26) 2,2-Dichloropropane	4.471	77	85229	46.148	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	75807	52.676	ug/l	99
28) Bromochloromethane	4.897	49	52159	46.604	ug/l	97
29) Tetrahydrofuran	4.995	42	178501	297.864	ug/l	97
30) Chloroform	5.086	83	122388	54.189	ug/l	99
31) Cyclohexane	5.464	56	104172	48.520	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	101932	53.209	ug/l	99
36) 1,1-Dichloropropene	5.690	75	82797	51.452	ug/l	100
37) Ethyl Acetate	4.708	43	101851	56.903	ug/l	100
38) Carbon Tetrachloride	5.672	117	83568	52.993	ug/l	97
39) Methylcyclohexane	7.379	83	102598	49.315	ug/l	99
40) Benzene	6.031	78	264712	52.680	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044974.D
 Acq On : 14 Feb 2025 20:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 14 22:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59791	62.407	ug/l	97
42) 1,2-Dichloroethane	6.080	62	91650	57.228	ug/l	98
43) Isopropyl Acetate	6.336	43	166844	57.723	ug/l	98
44) Trichloroethene	7.123	130	61670	53.693	ug/l	98
45) 1,2-Dichloropropane	7.427	63	68342	54.668	ug/l	98
46) Dibromomethane	7.580	93	48498	55.940	ug/l	100
47) Bromodichloromethane	7.818	83	96049	57.216	ug/l	98
48) Methyl methacrylate	7.690	41	82197	60.311	ug/l	97
49) 1,4-Dioxane	7.653	88	37326	1276.524	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	543106	309.071	ug/l	100
52) Toluene	8.714	92	159226	53.206	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	94505	55.632	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	103618	54.707	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	64087	55.708	ug/l	98
56) Ethyl methacrylate	9.116	69	106133	57.122	ug/l	96
57) 1,3-Dichloropropane	9.305	76	110929	55.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	246733	270.450	ug/l	100
59) 2-Hexanone	9.427	43	410543	324.260	ug/l	97
60) Dibromochloromethane	9.519	129	70306	57.145	ug/l	99
61) 1,2-Dibromoethane	9.604	107	65513	56.187	ug/l	100
64) Tetrachloroethene	9.269	164	49133	50.766	ug/l	98
65) Chlorobenzene	10.073	112	175110	53.124	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57633	54.322	ug/l	100
67) Ethyl Benzene	10.189	91	308662	53.064	ug/l	99
68) m/p-Xylenes	10.299	106	227422	105.988	ug/l	98
69) o-Xylene	10.640	106	112850	52.414	ug/l	98
70) Styrene	10.652	104	191380	55.172	ug/l	98
71) Bromoform	10.799	173	46331	58.514	ug/l #	98
73) Isopropylbenzene	10.957	105	289482	47.192	ug/l	100
74) N-amyl acetate	10.841	43	147969	53.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	103911	49.296	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	87524m	51.817	ug/l	
77) Bromobenzene	11.195	156	69109	49.693	ug/l	97
78) n-propylbenzene	11.299	91	347506	49.081	ug/l	100
79) 2-Chlorotoluene	11.360	91	207868	47.769	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	241259	48.466	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29650	45.155	ug/l	90
82) 4-Chlorotoluene	11.451	91	236705	49.168	ug/l	100
83) tert-Butylbenzene	11.713	119	245140	48.679	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	245839	50.037	ug/l	99
85) sec-Butylbenzene	11.890	105	308918	49.539	ug/l	99
86) p-Isopropyltoluene	12.006	119	254468	50.744	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	128049	50.069	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	128451	49.676	ug/l	99
89) n-Butylbenzene	12.329	91	245173	55.263	ug/l	99
90) Hexachloroethane	12.536	117	44714	47.620	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	127878	50.877	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21727	56.476	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	81980	53.901	ug/l	100
94) Hexachlorobutadiene	13.719	225	31681	52.471	ug/l	98
95) Naphthalene	13.774	128	293624	53.406	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	80402	52.463	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

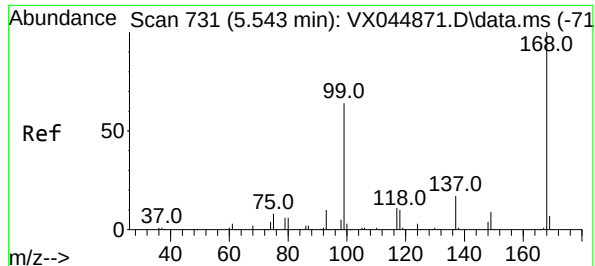
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025





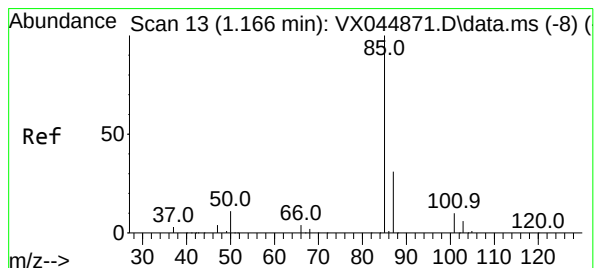
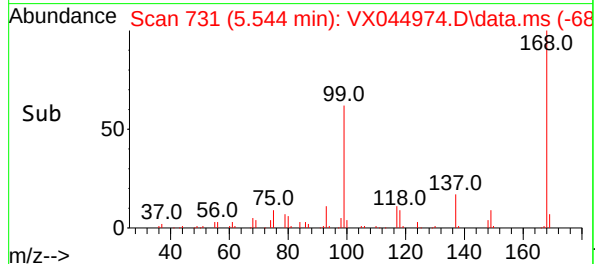
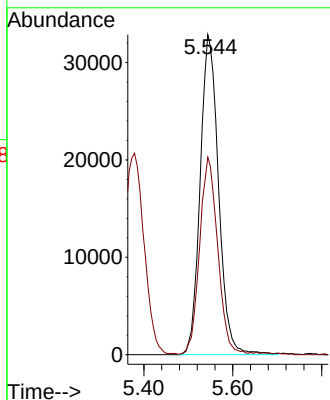
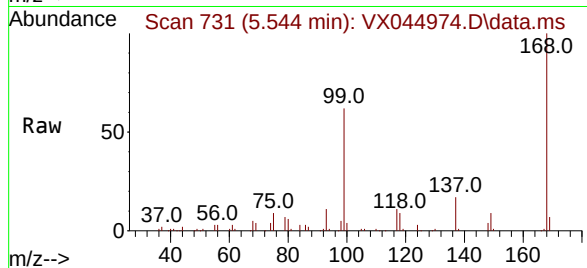
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 9444
Ion Ratio Lower Upper
168 100
99 61.5 51.2 76.8

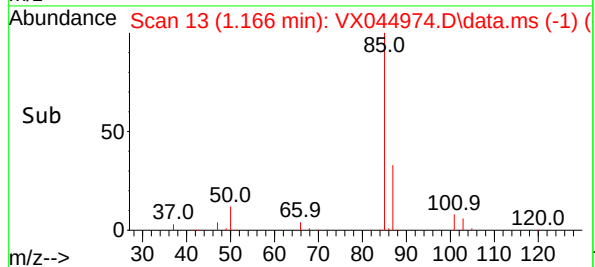
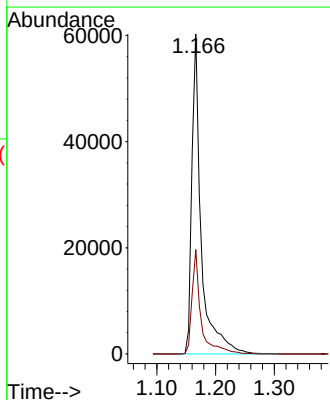
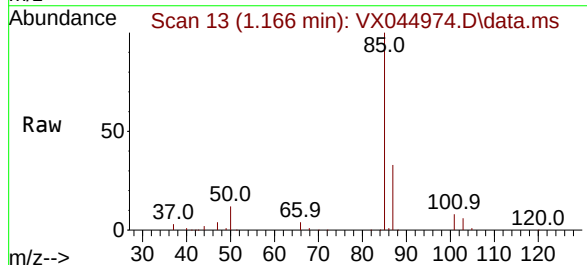
Manual Integrations
APPROVED

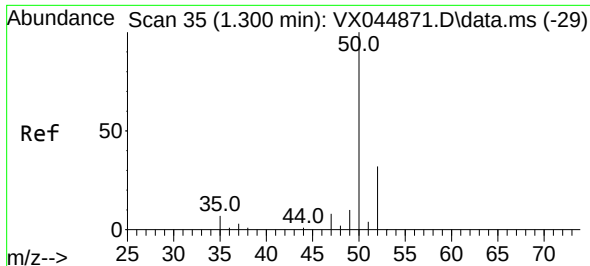
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#2
Dichlorodifluoromethane
Concen: 50.338 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 85 Resp: 66679
Ion Ratio Lower Upper
85 100
87 32.6 15.8 47.3





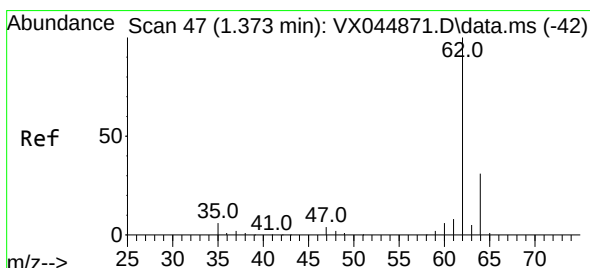
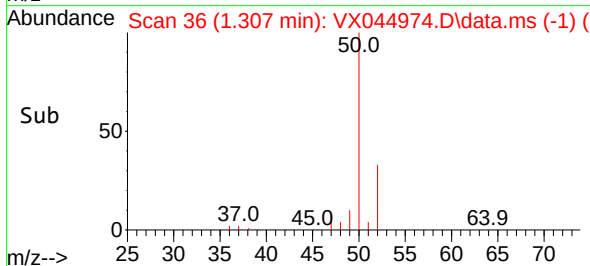
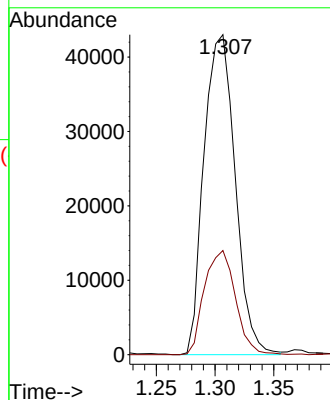
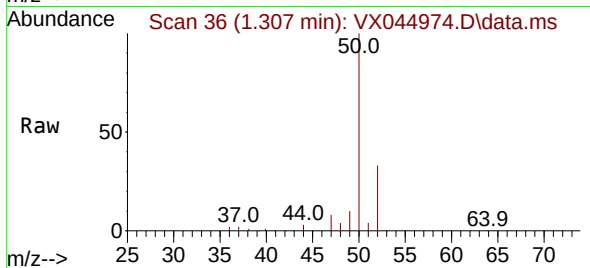
#3
Chloromethane
Concen: 49.377 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 79600
Ion Ratio Lower Upper
50 100
52 32.5 25.9 38.9

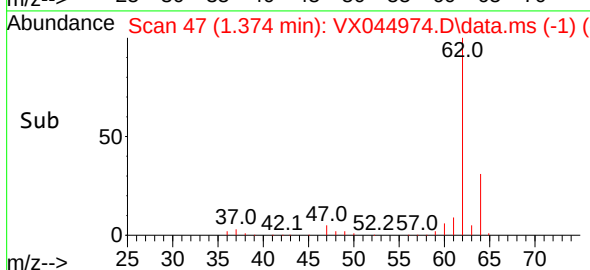
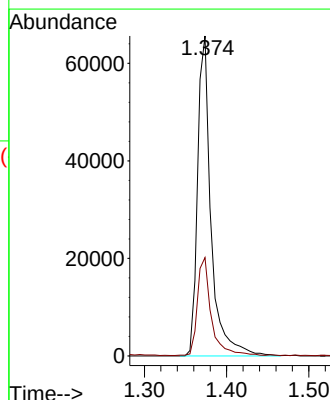
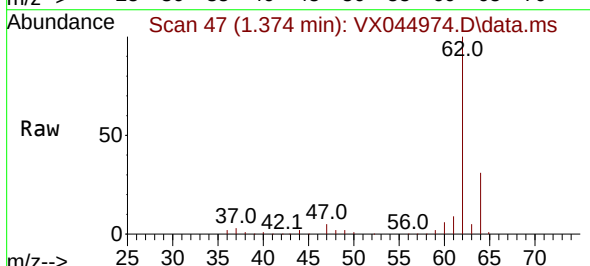
Manual Integrations
APPROVED

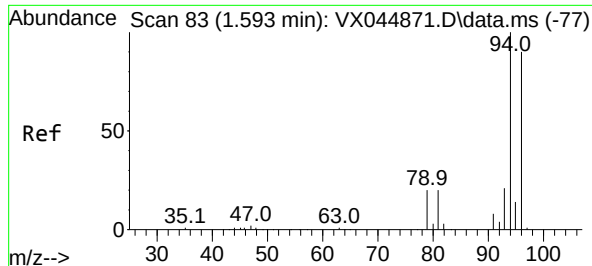
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#4
Vinyl Chloride
Concen: 47.840 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 62 Resp: 74720
Ion Ratio Lower Upper
62 100
64 30.6 25.4 38.0





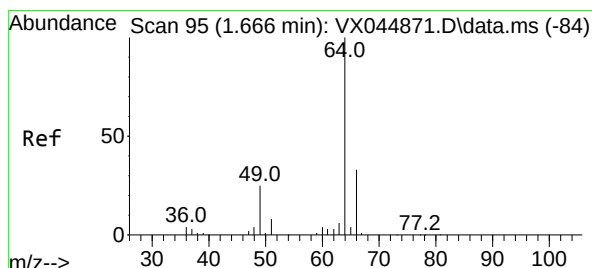
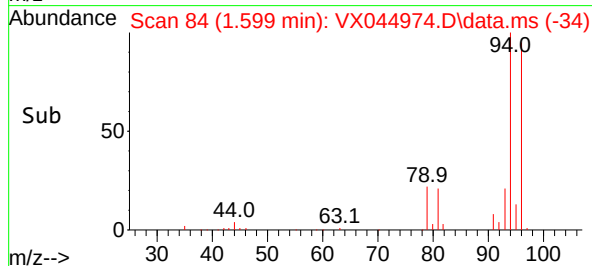
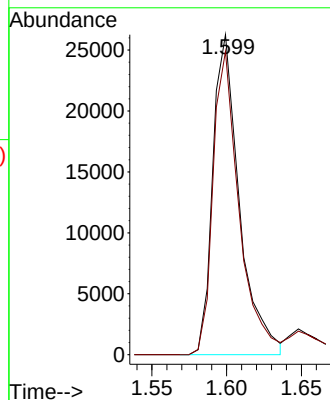
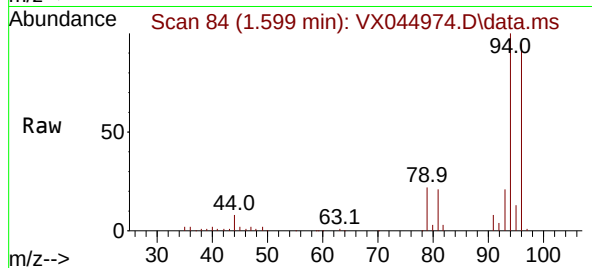
#5
Bromomethane
Concen: 69.475 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 3247
Ion Ratio Lower Upper
94 100
96 94.8 71.6 107.4

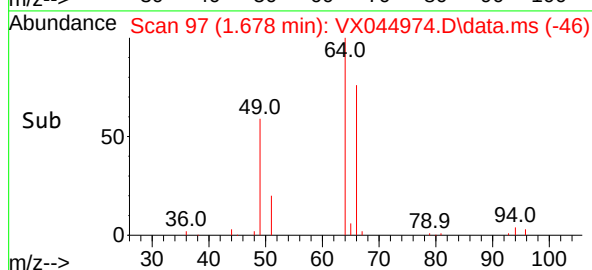
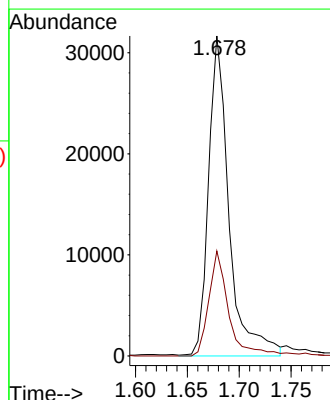
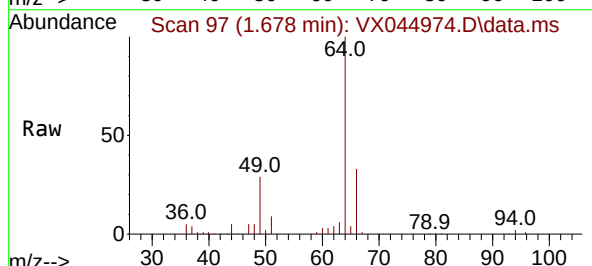
Manual Integrations
APPROVED

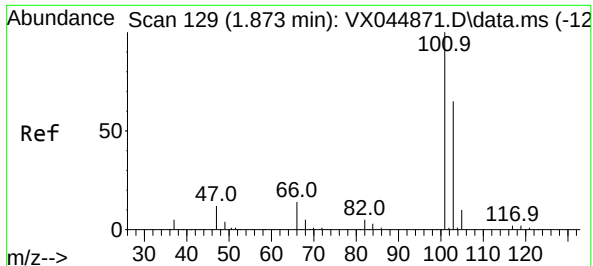
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#6
Chloroethane
Concen: 83.535 ug/l m
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

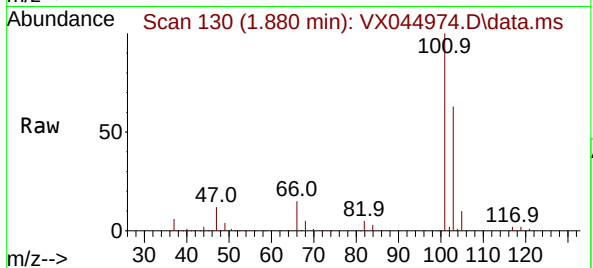
Tgt Ion: 64 Resp: 43505
Ion Ratio Lower Upper
64 100
66 32.8 25.9 38.9





#7
Trichlorofluoromethane
Concen: 52.899 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

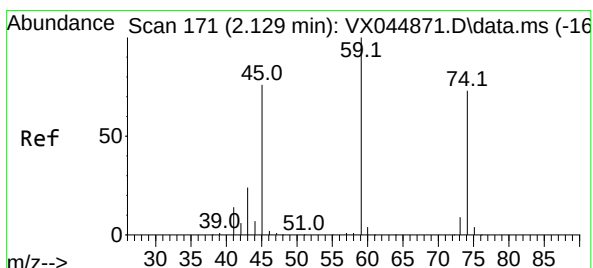
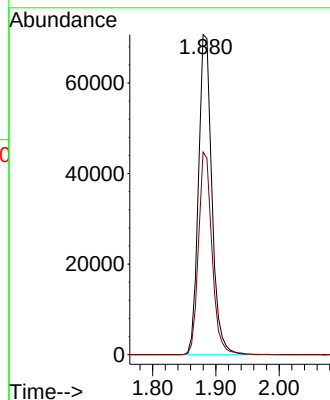
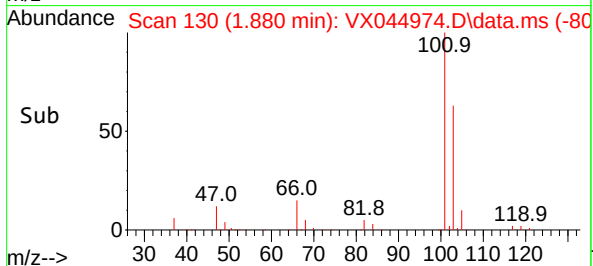
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 101 Resp: 104484
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6

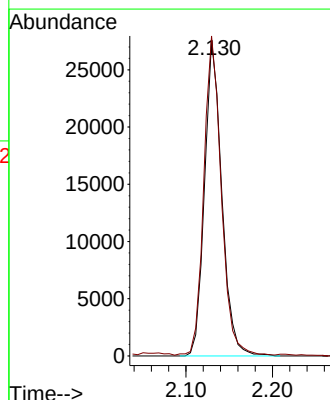
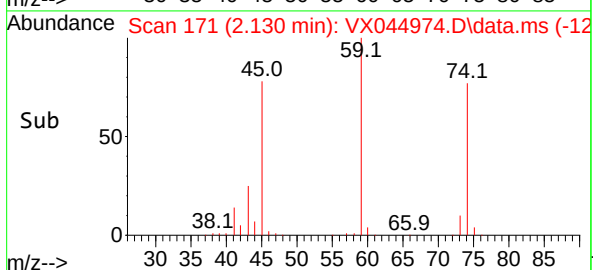
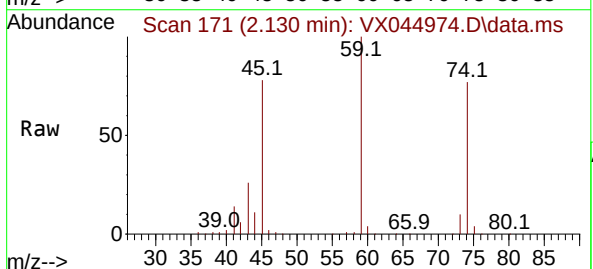
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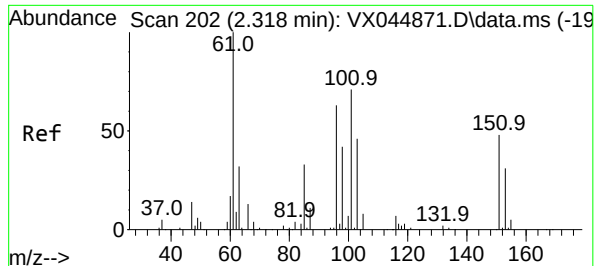
Reviewed By : John Carlone 02/18/2025
Supervised By : Mahesh Dadoda 02/19/2025



#8
Diethyl Ether
Concen: 53.242 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 74 Resp: 38138
Ion Ratio Lower Upper
74 100
45 102.0 51.1 153.4





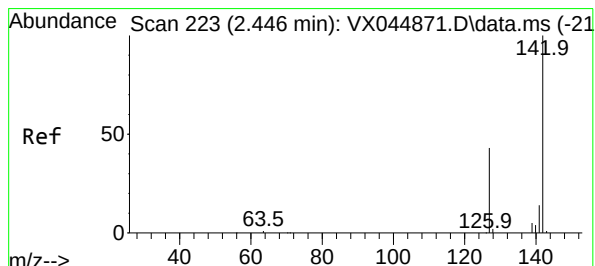
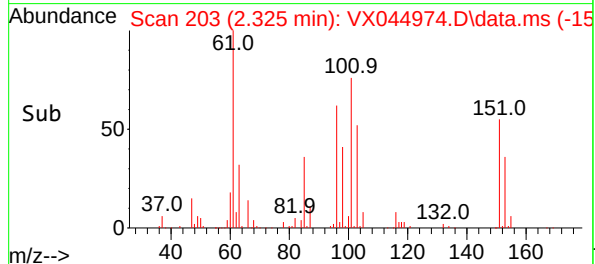
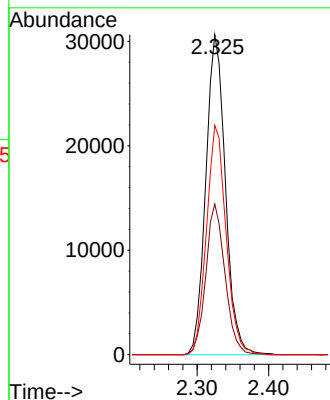
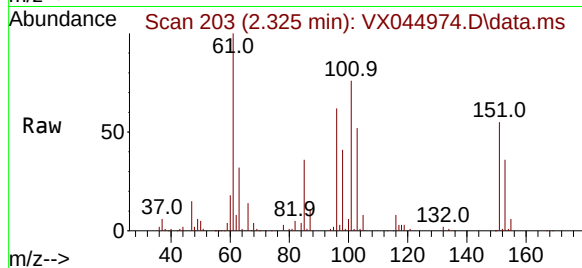
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.807 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 5824
Ion Ratio Lower Upper
101 100
85 46.3 35.7 53.5
151 71.9 56.0 84.0

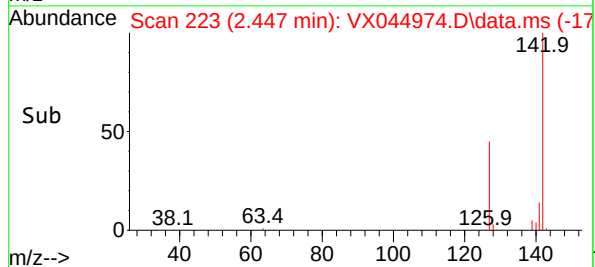
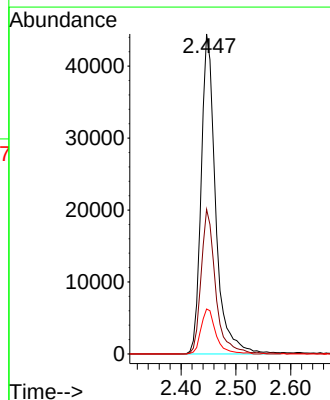
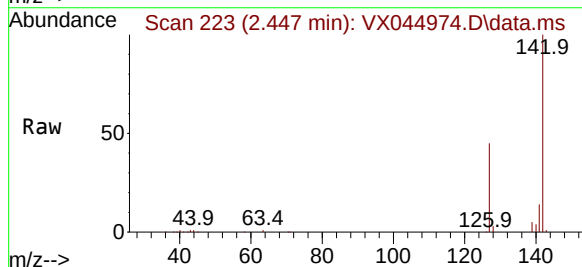
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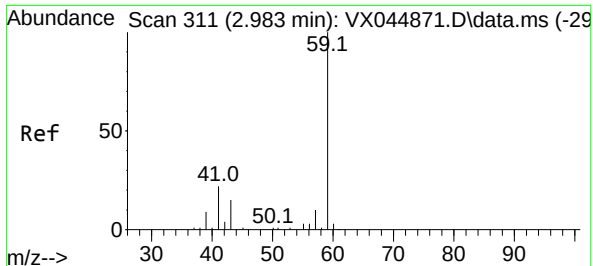
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#10
Methyl Iodide
Concen: 52.978 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:142 Resp: 81938
Ion Ratio Lower Upper
142 100
127 45.0 34.3 51.5
141 14.5 11.4 17.2





#11

Tert butyl alcohol

Concen: 318.831 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.024 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 8177

Ion Ratio Lower Upper

59 100

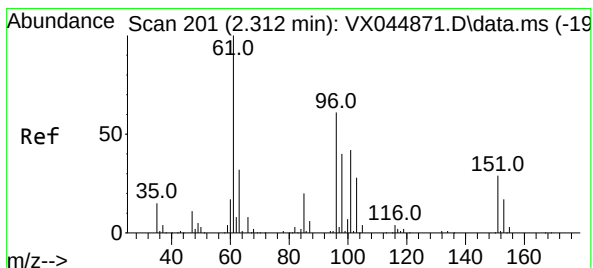
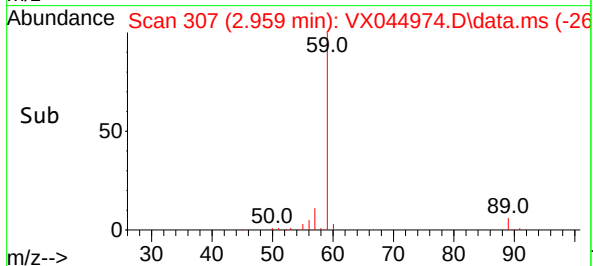
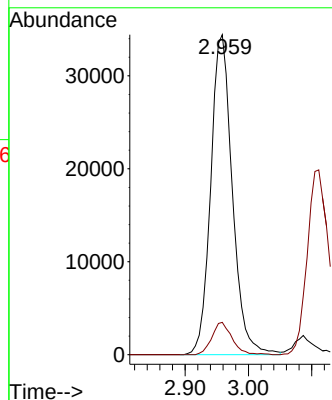
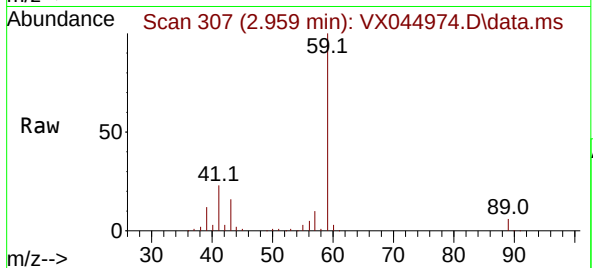
57 9.5 8.1 12.1

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#12

1,1-Dichloroethene

Concen: 50.395 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

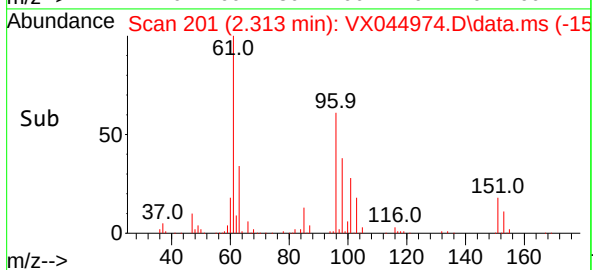
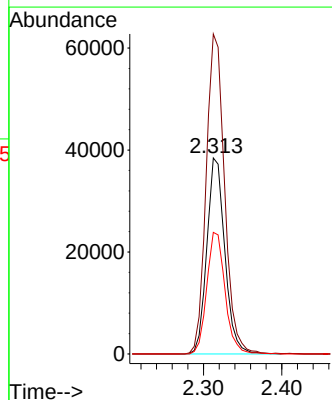
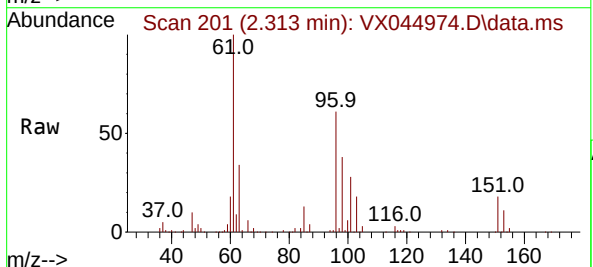
Tgt Ion: 96 Resp: 61347

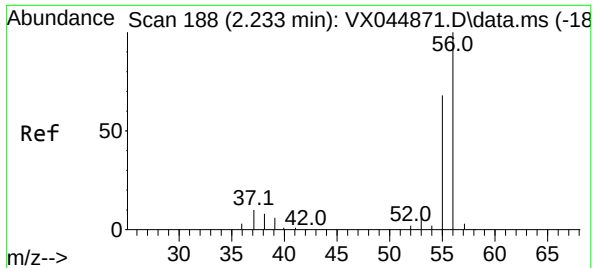
Ion Ratio Lower Upper

96 100

61 163.3 130.2 195.4

98 62.1 52.2 78.4





#13

Acrolein

Concen: 277.291 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 7337

Ion Ratio Lower Upper

56 100

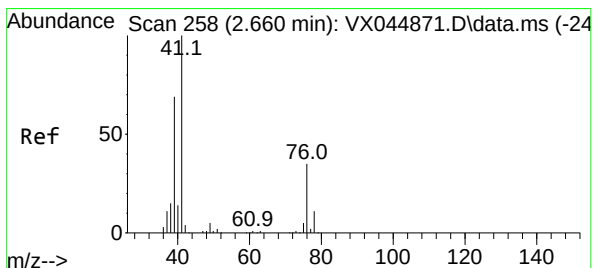
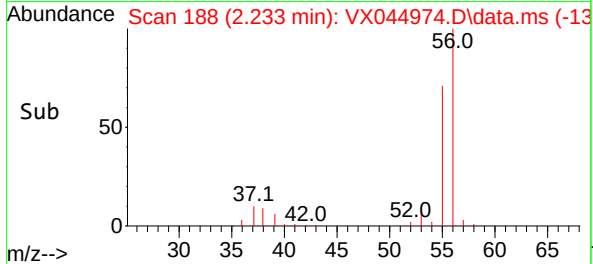
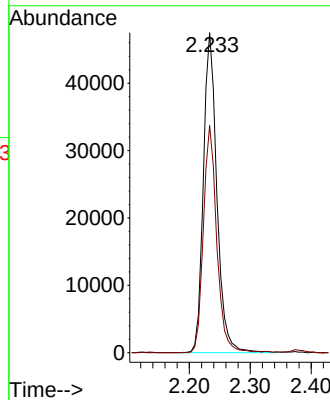
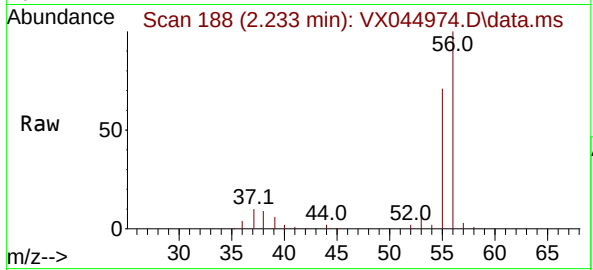
55 70.1 55.7 83.5

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#14

Allyl chloride

Concen: 52.634 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

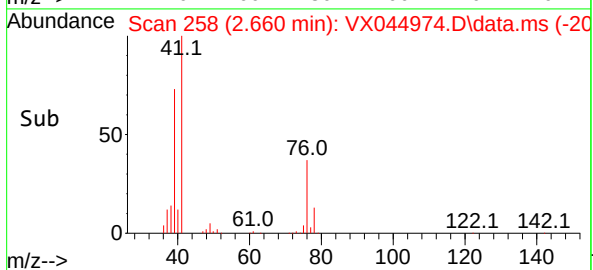
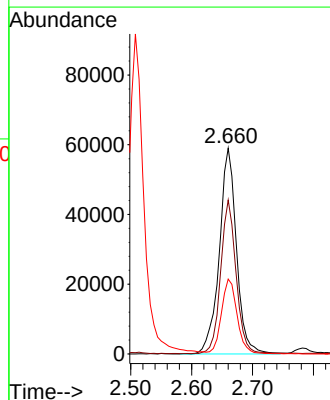
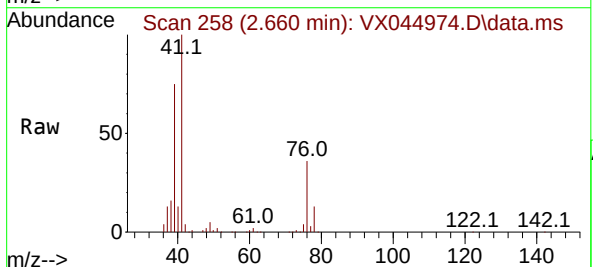
Tgt Ion: 41 Resp: 115796

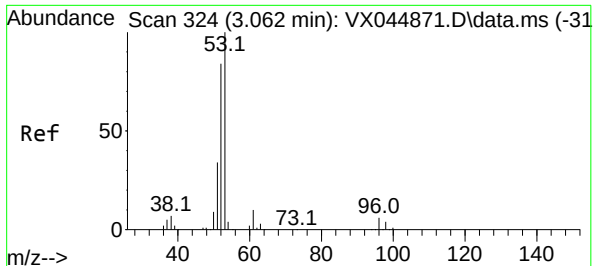
Ion Ratio Lower Upper

41 100

39 66.7 51.4 77.2

76 32.8 27.0 40.4





#15

Acrylonitrile

Concen: 290.127 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 198670

Ion Ratio Lower Upper

53 100

52 82.5 65.0 97.6

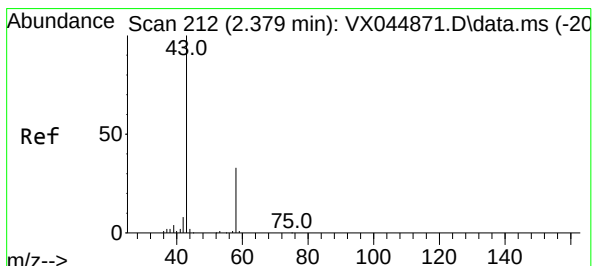
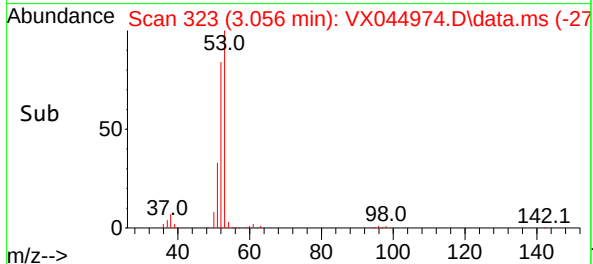
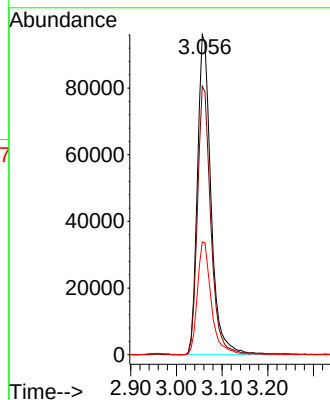
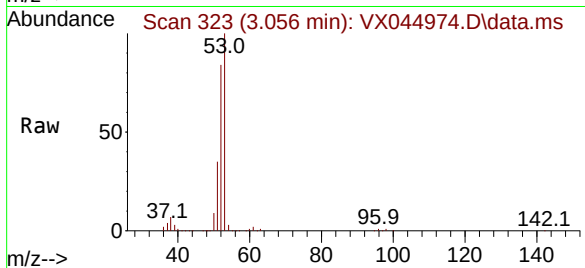
51 36.2 28.0 42.0

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#16

Acetone

Concen: 305.420 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX044974.D

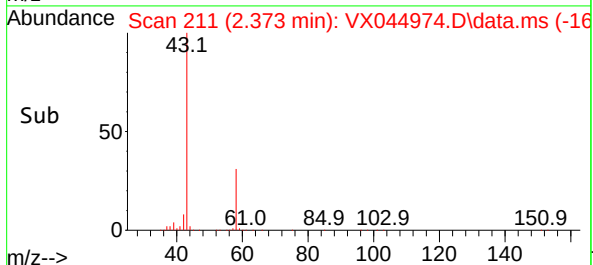
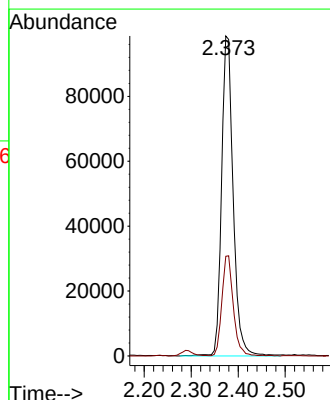
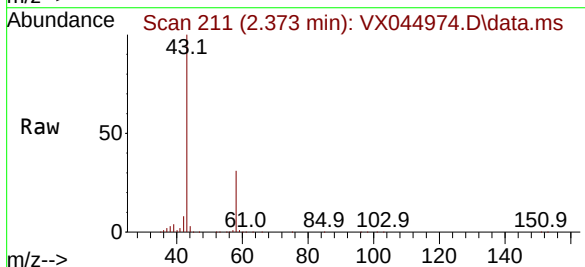
Acq: 14 Feb 2025 20:06

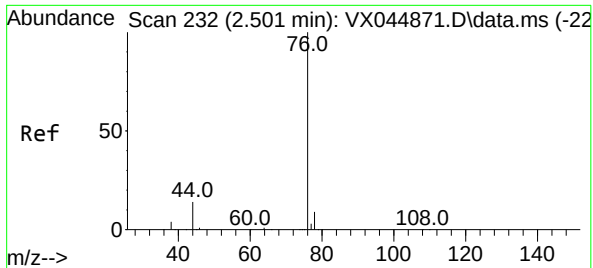
Tgt Ion: 43 Resp: 169746

Ion Ratio Lower Upper

43 100

58 31.2 26.5 39.7





#17

Carbon Disulfide

Concen: 47.360 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 158094

Ion Ratio Lower Upper

76 100

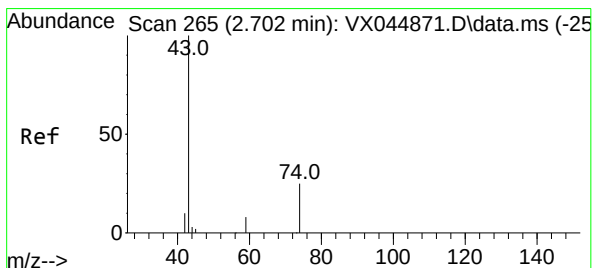
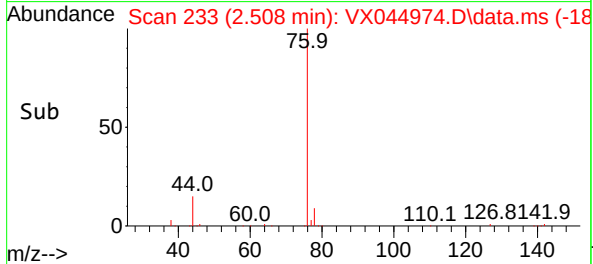
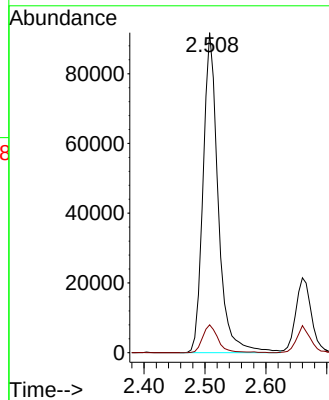
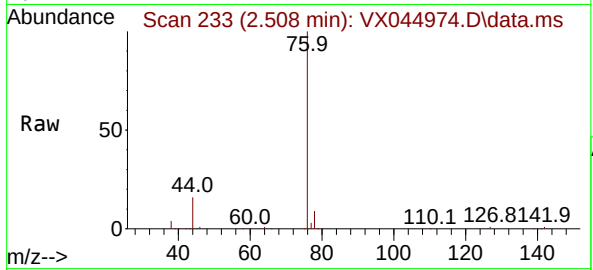
78 8.7 7.0 10.4

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#18

Methyl Acetate

Concen: 58.441 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044974.D

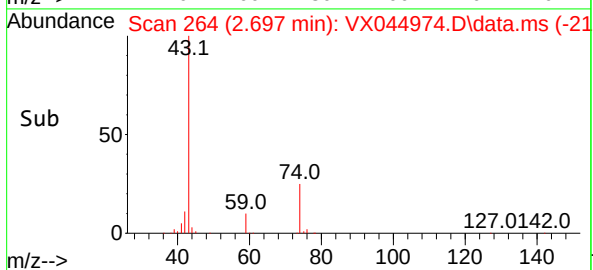
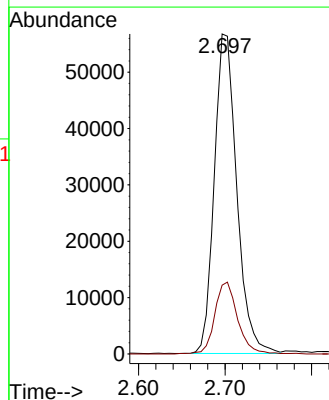
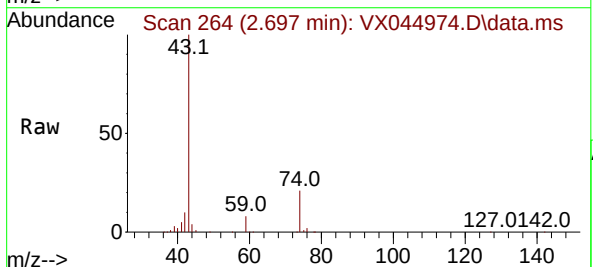
Acq: 14 Feb 2025 20:06

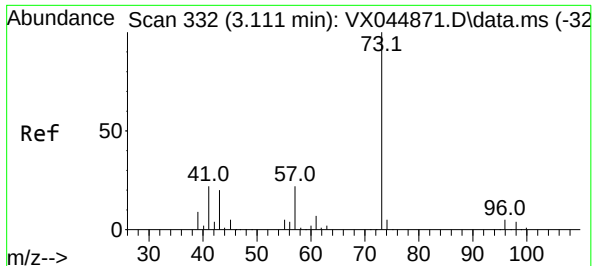
Tgt Ion: 43 Resp: 102495

Ion Ratio Lower Upper

43 100

74 22.7 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 54.234 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 21050

Ion Ratio Lower Upper

73 100

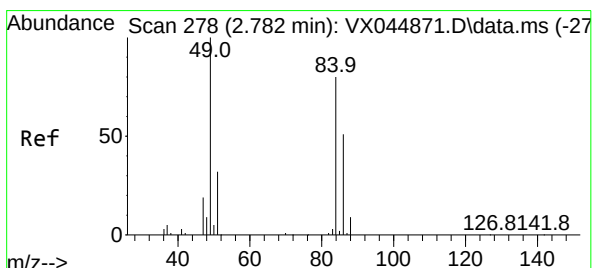
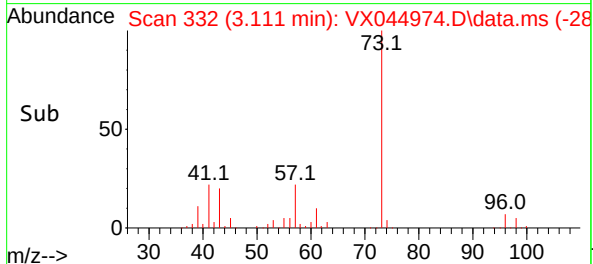
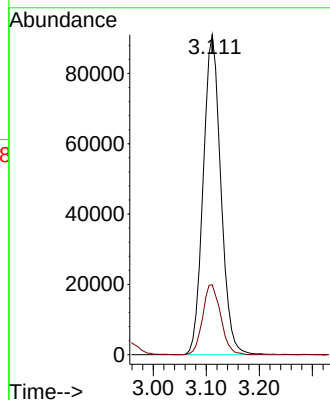
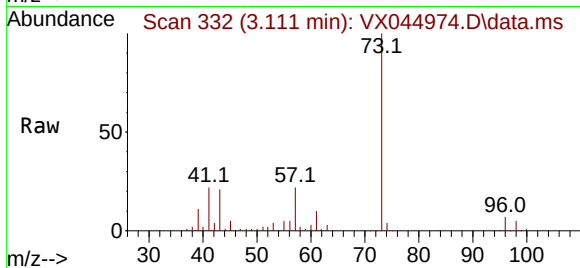
57 21.9 17.9 26.9

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#20

Methylene Chloride

Concen: 51.883 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion: 84 Resp: 70630

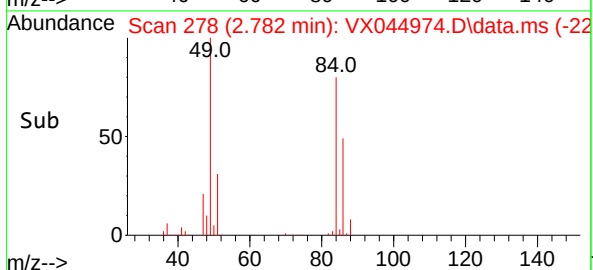
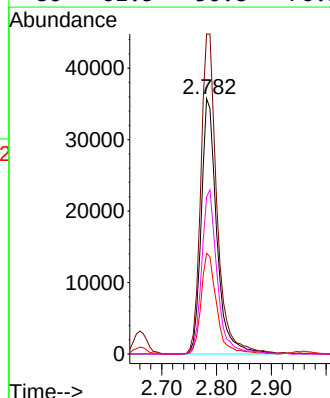
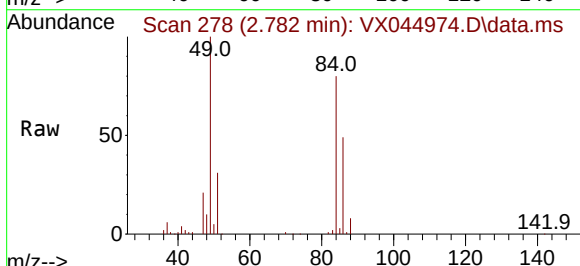
Ion Ratio Lower Upper

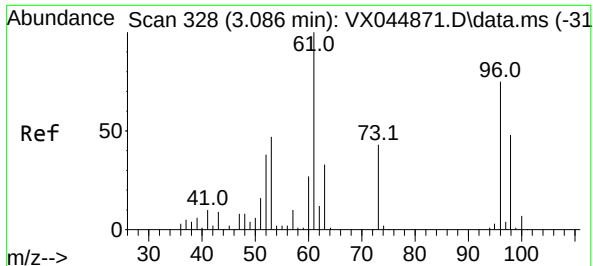
84 100

49 125.3 100.1 150.1

51 39.4 31.7 47.5

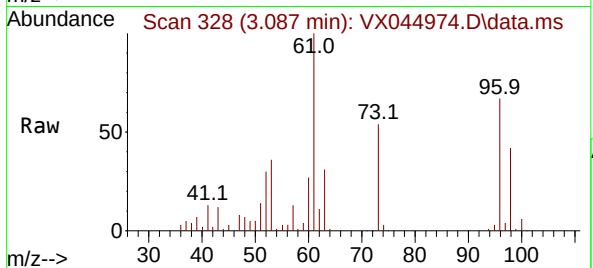
86 61.5 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 51.325 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

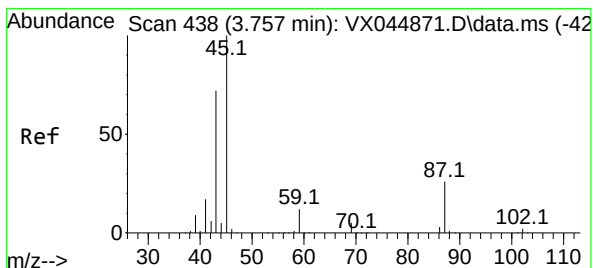
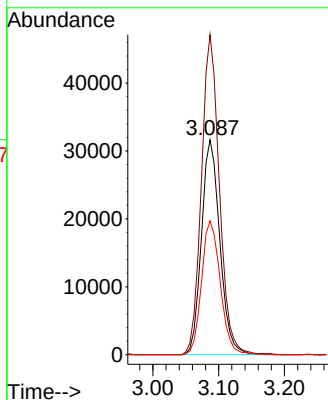
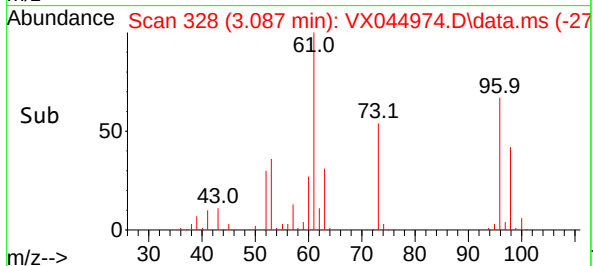
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 6149
Ion Ratio Lower Upper
96 100
61 149.0 106.0 159.0
98 62.3 50.6 76.0

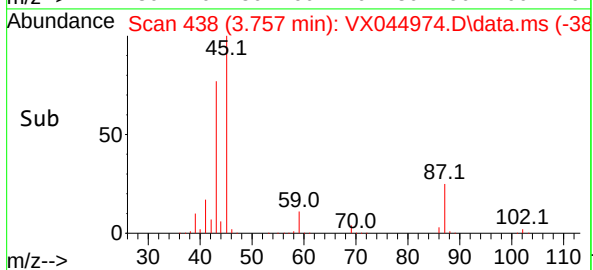
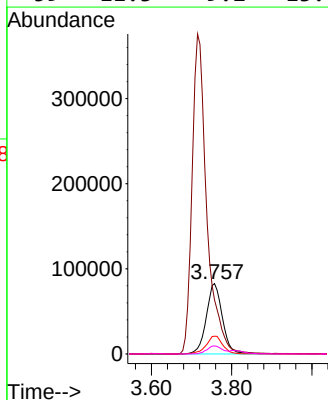
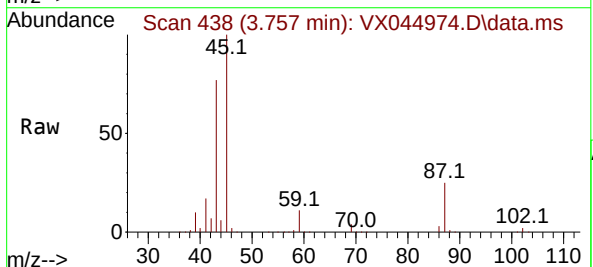
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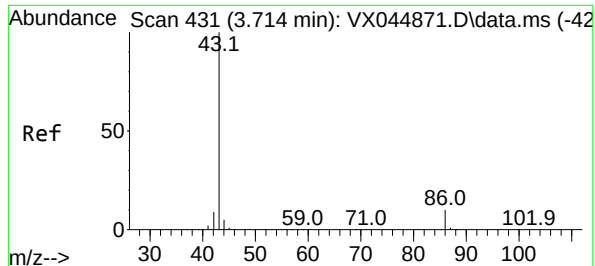
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#22
Diisopropyl ether
Concen: 55.202 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 45 Resp: 229760
Ion Ratio Lower Upper
45 100
43 76.6 58.0 87.0
87 25.1 20.7 31.1
59 11.3 9.2 13.8





#23

Vinyl Acetate

Concen: 283.261 ug/l

RT: 3.715 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 96116

Ion Ratio Lower Upper

43 100

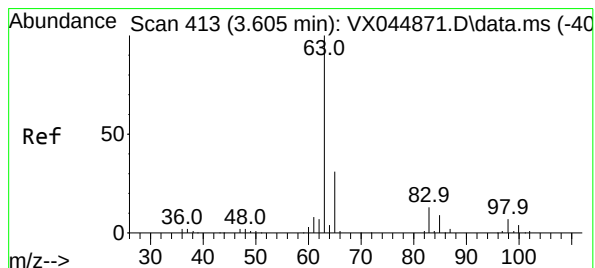
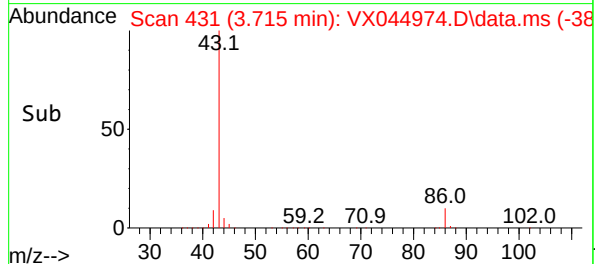
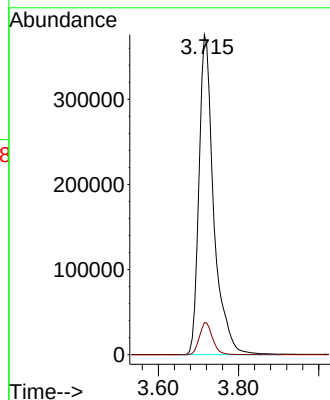
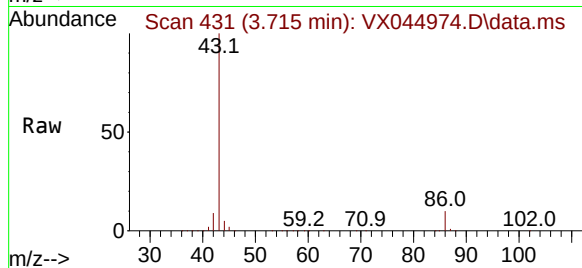
86 10.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#24

1,1-Dichloroethane

Concen: 53.588 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

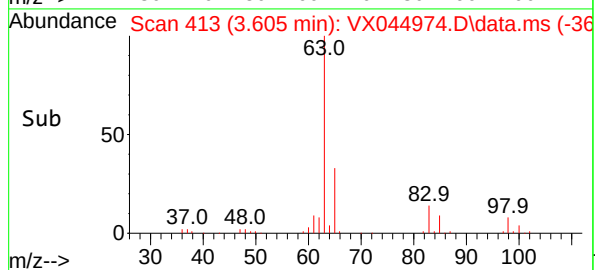
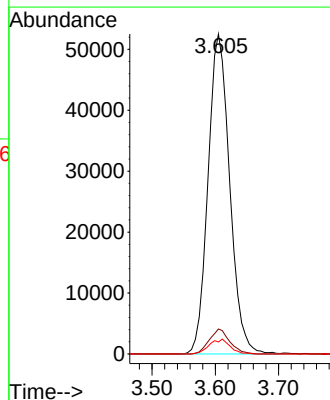
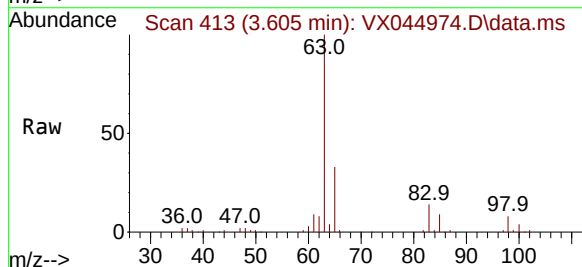
Tgt Ion: 63 Resp: 124800

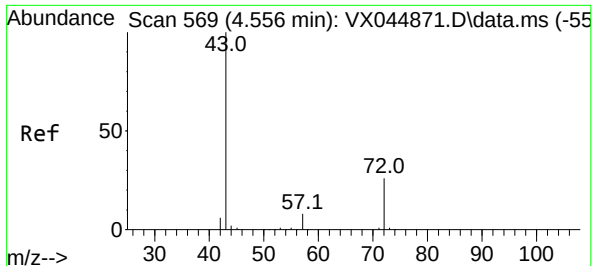
Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

100 3.7 2.1 6.5





#25

2-Butanone

Concen: 302.246 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 27277

Ion Ratio Lower Upper

43

100

72

24.7

21.2

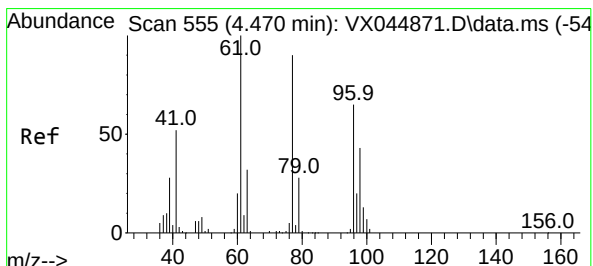
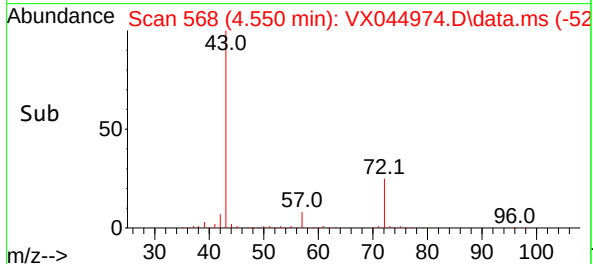
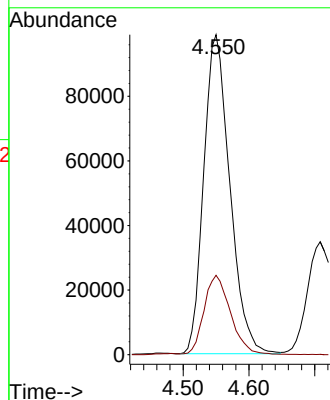
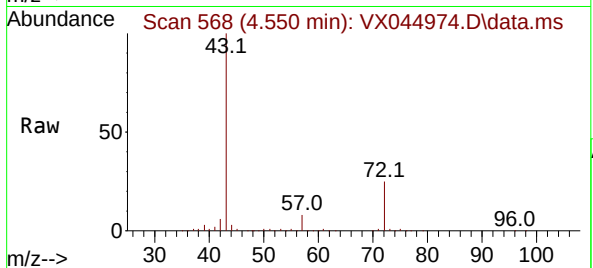
31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#26

2,2-Dichloropropane

Concen: 46.148 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion: 77 Resp: 85229

Ion Ratio Lower Upper

77

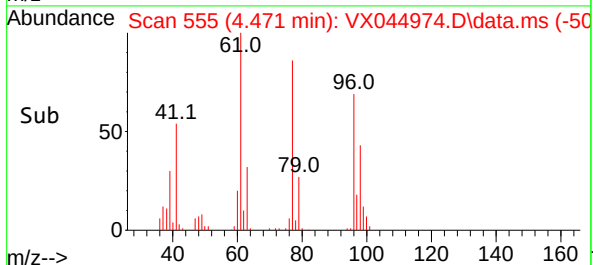
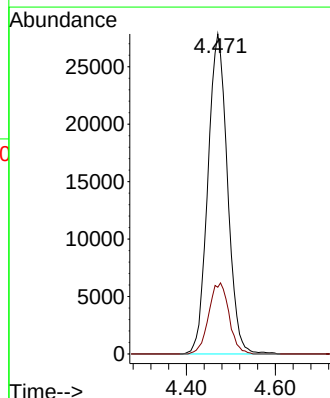
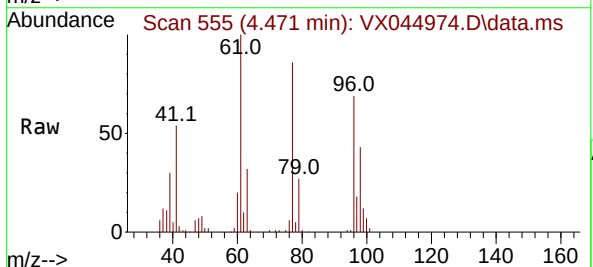
100

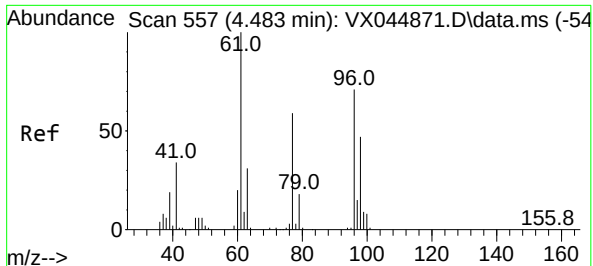
97

23.0

11.8

35.3





#27

cis-1,2-Dichloroethene

Concen: 52.676 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 7580

Ion Ratio Lower Upper

96 100

61 148.6 0.0 294.0

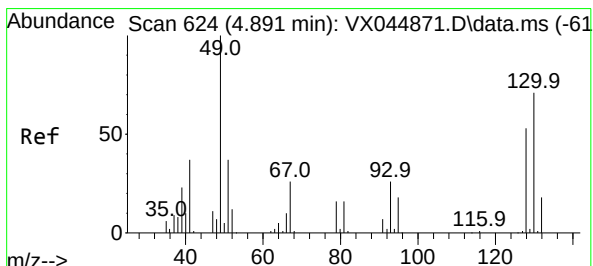
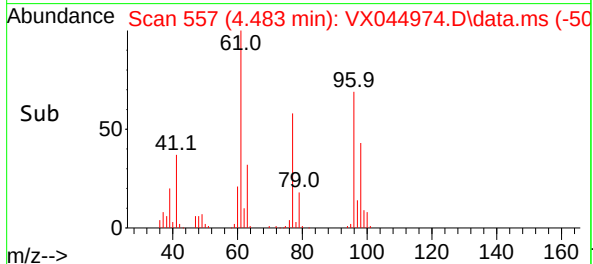
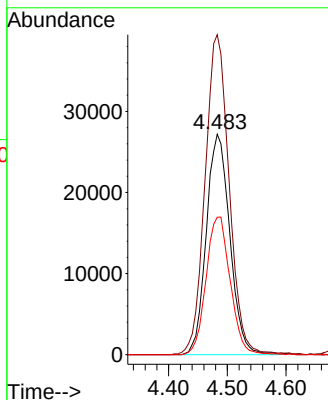
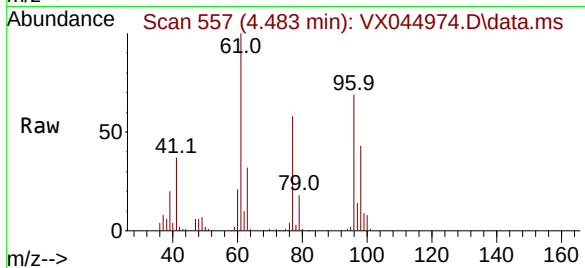
98 64.0 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#28

Bromochloromethane

Concen: 46.604 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

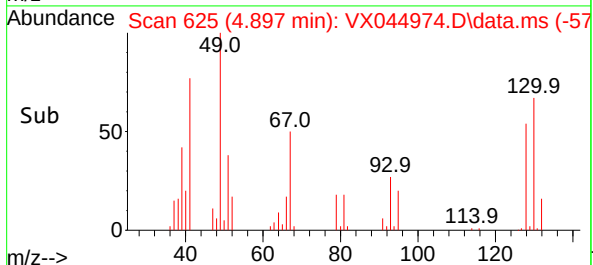
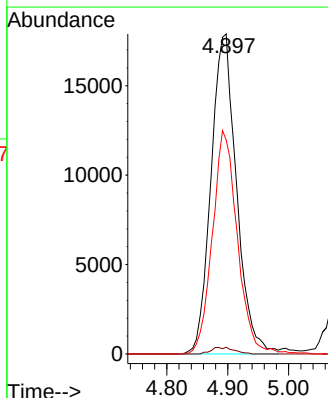
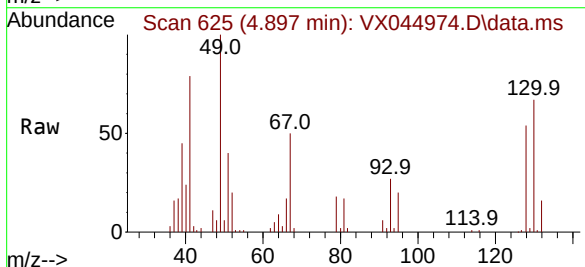
Tgt Ion: 49 Resp: 52159

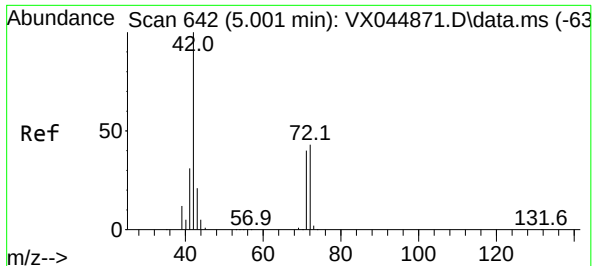
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 68.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 297.864 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 17850

Ion Ratio Lower Upper

42 100

72 42.4 35.0 52.4

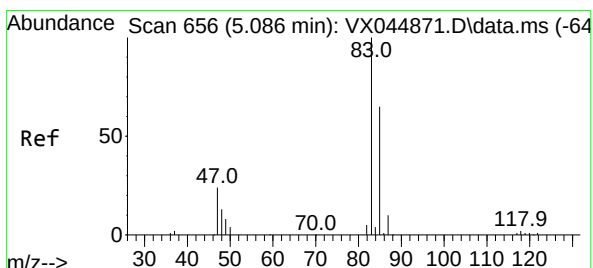
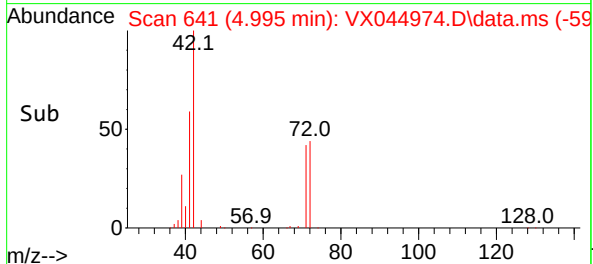
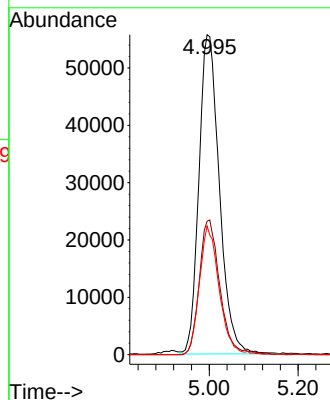
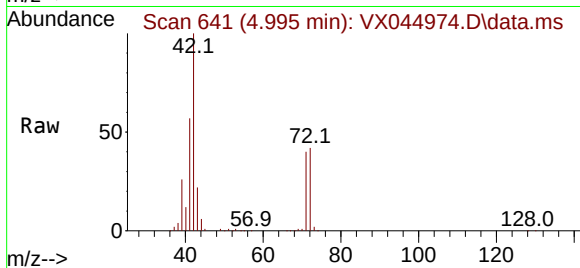
71 38.8 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#30

Chloroform

Concen: 54.189 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044974.D

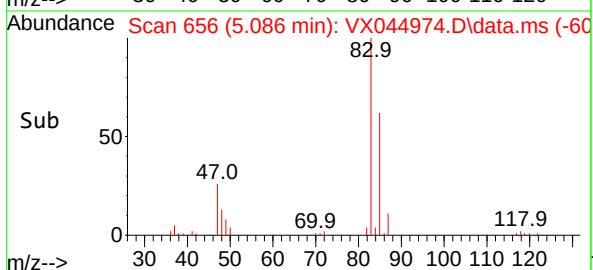
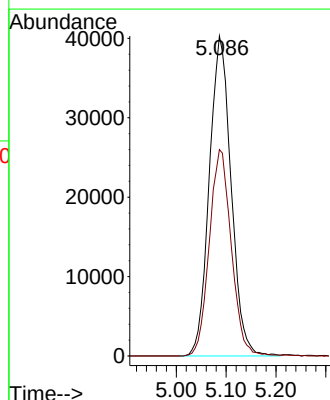
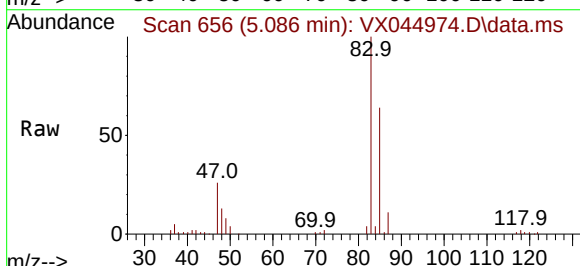
Acq: 14 Feb 2025 20:06

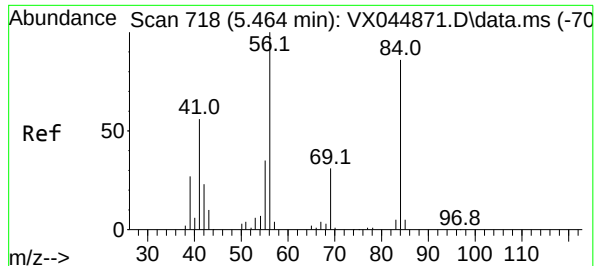
Tgt Ion: 83 Resp: 122388

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1





#31

Cyclohexane

Concen: 48.520 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 104172

Ion Ratio Lower Upper

56 100

69 30.2 24.4 36.6

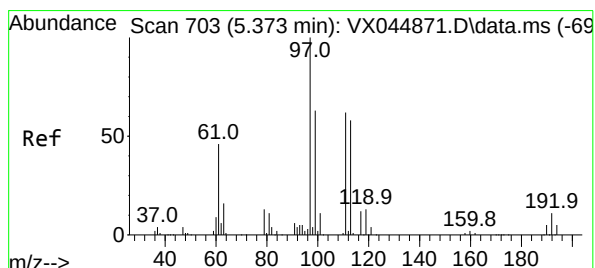
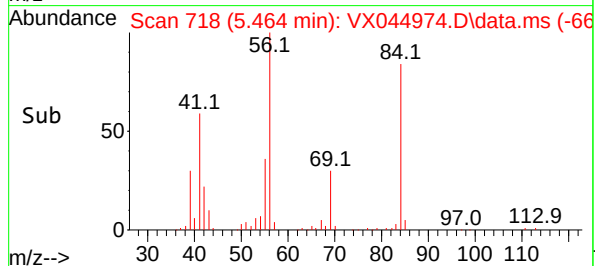
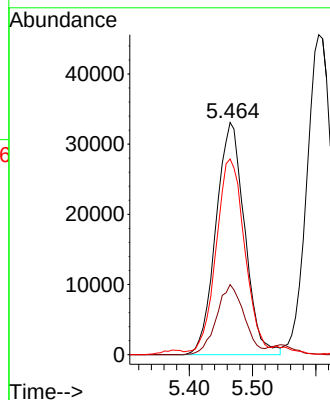
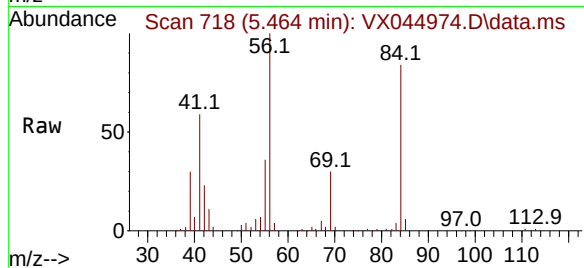
84 82.5 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#32

1,1,1-Trichloroethane

Concen: 53.209 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

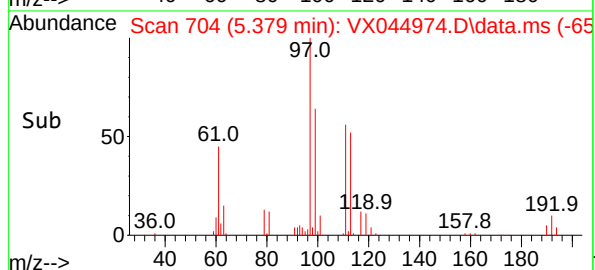
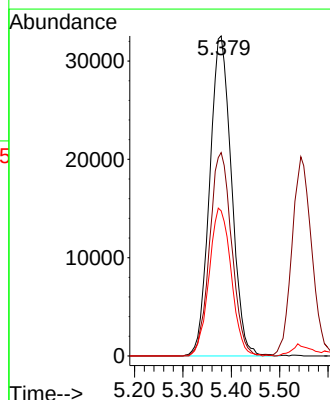
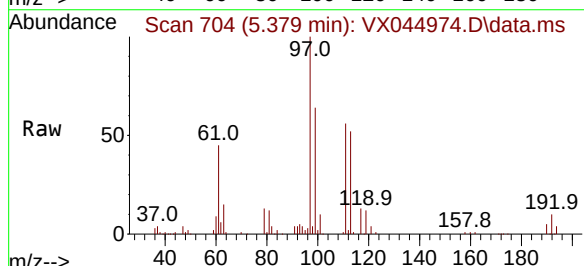
Tgt Ion: 97 Resp: 101932

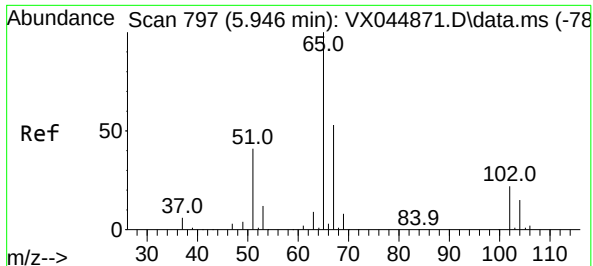
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

61 46.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 47.661 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 6589

Ion Ratio Lower Upper

65 100

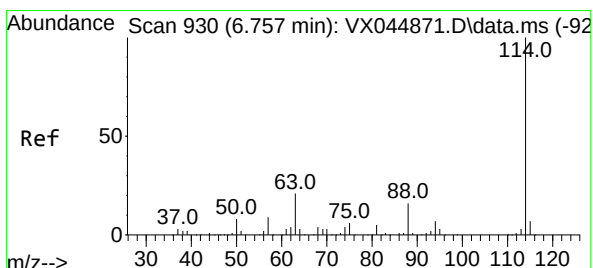
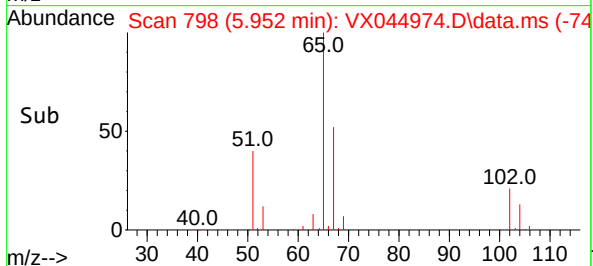
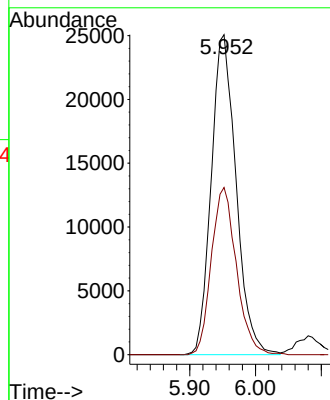
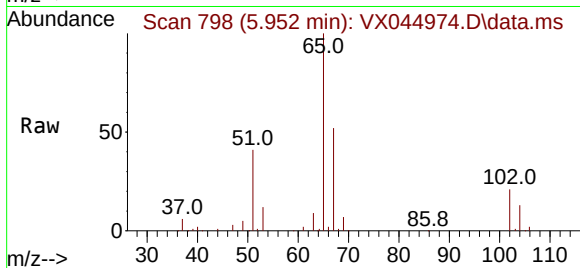
67 52.7 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

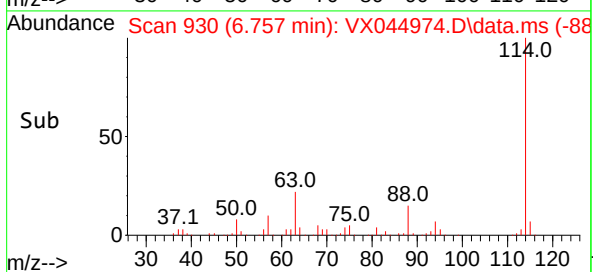
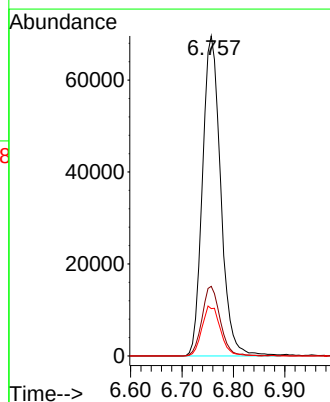
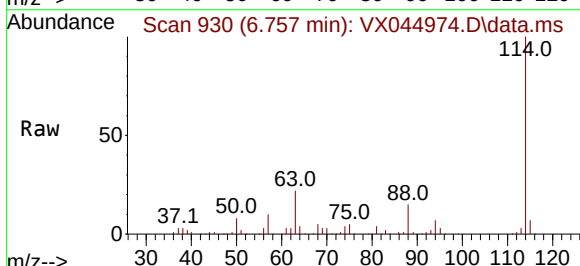
Tgt Ion:114 Resp: 171556

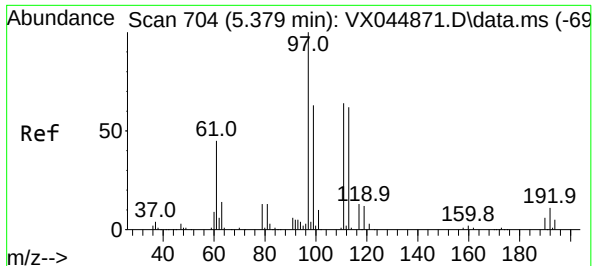
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 14.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.286 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

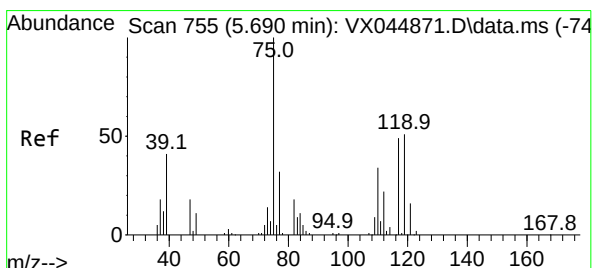
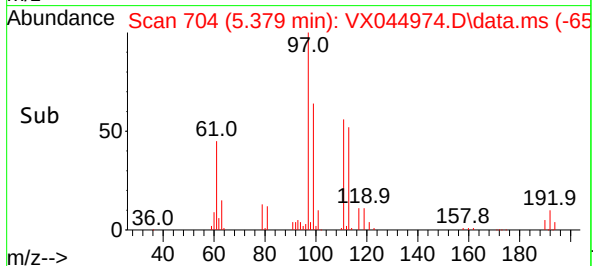
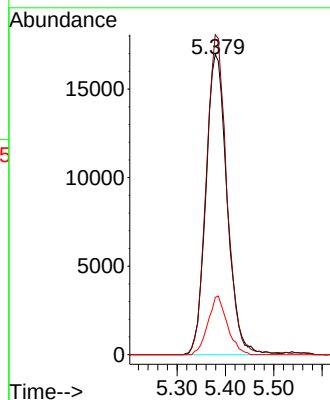
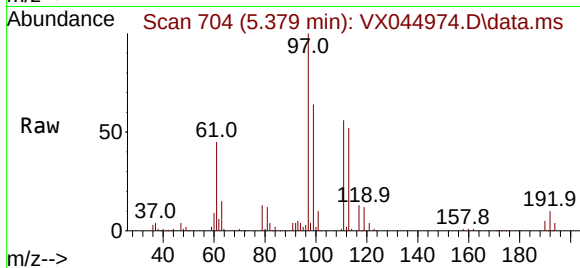
VSTDCCC050EC

Tgt Ion:	113	Resp:	5162
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.5	125.3
192	17.8	14.4	21.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#36

1,1-Dichloropropene

Concen: 51.452 ug/l

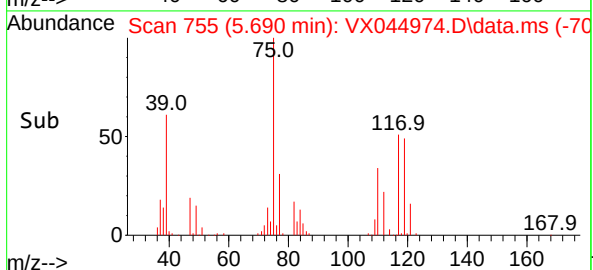
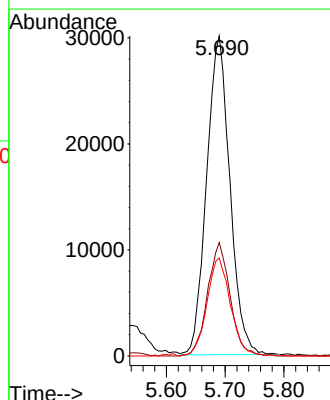
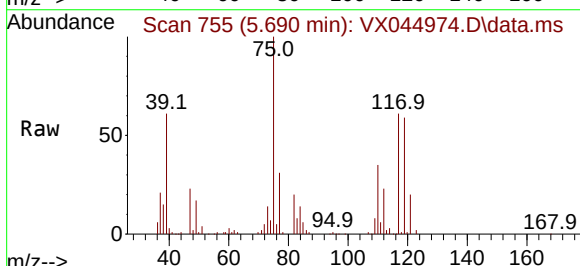
RT: 5.690 min Scan# 755

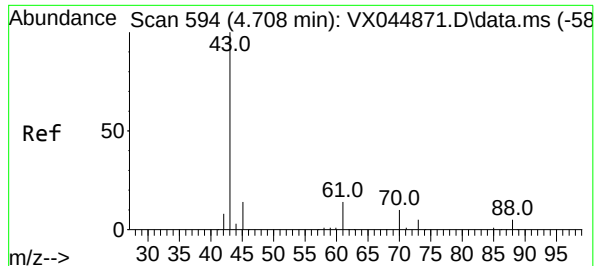
Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion:	75	Resp:	82797
Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	31.0	24.6	37.0





#37

Ethyl Acetate

Concen: 56.903 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 10185

Ion Ratio Lower Upper

43

100

61

70

13.7 11.0 16.4

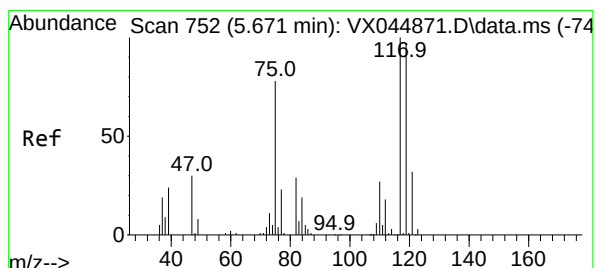
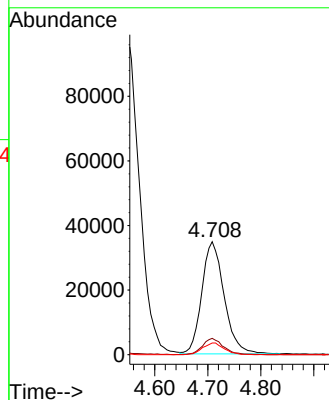
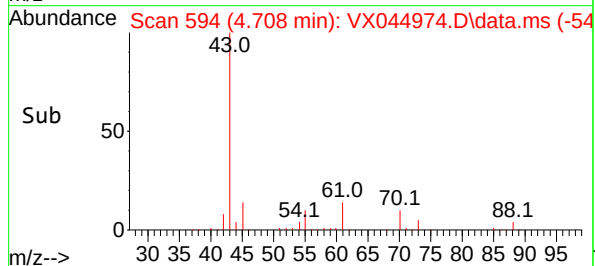
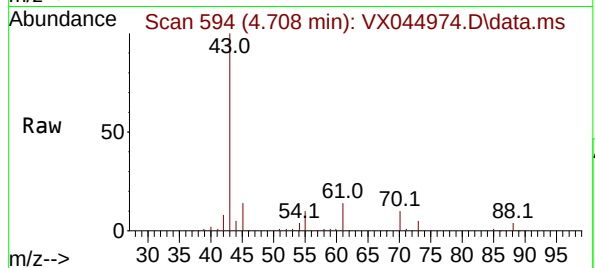
10.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#38

Carbon Tetrachloride

Concen: 52.993 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion:117 Resp: 83568

Ion Ratio Lower Upper

117

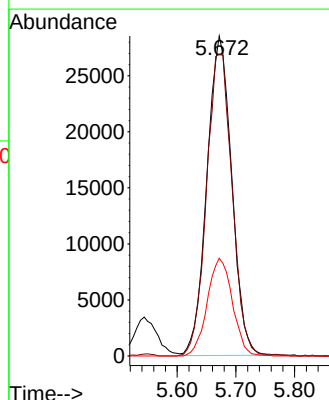
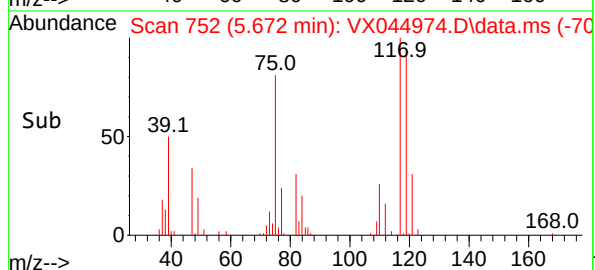
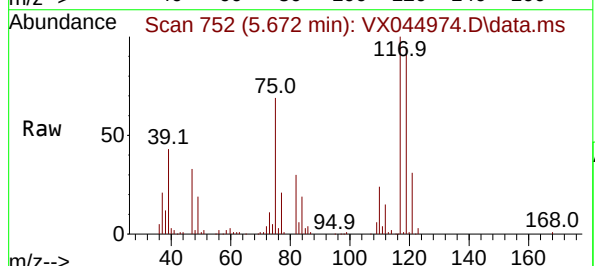
100

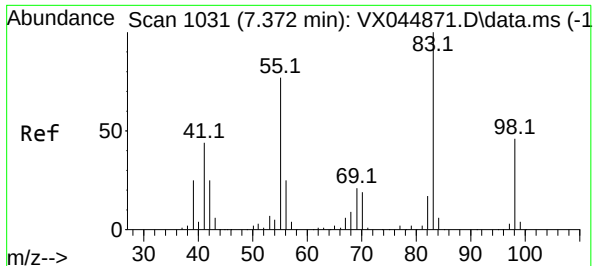
119

121

94.3 77.5 116.3

30.6 25.6 38.4





#39

Methylcyclohexane

Concen: 49.315 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 102598

Ion Ratio Lower Upper

83

100

55

98

76.4

47.5

61.3

37.0

91.9

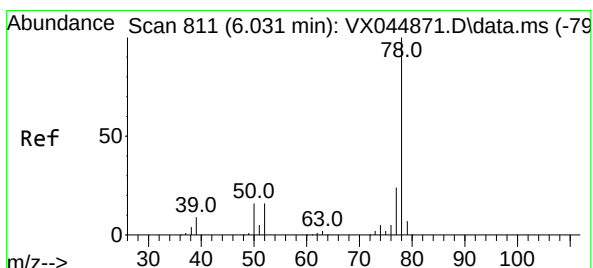
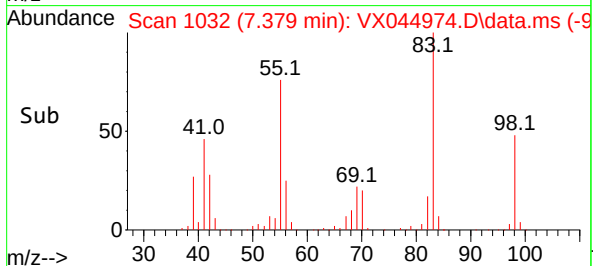
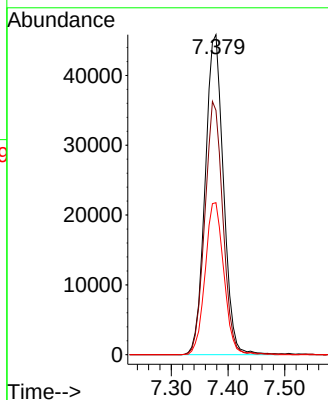
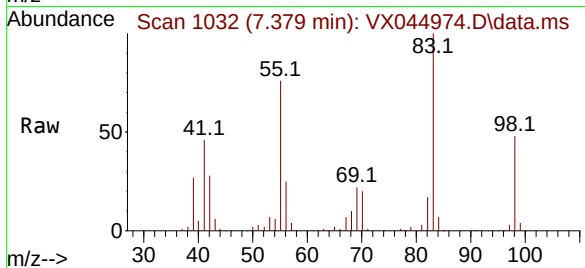
55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#40

Benzene

Concen: 52.680 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion: 78 Resp: 264712

Ion Ratio Lower Upper

78

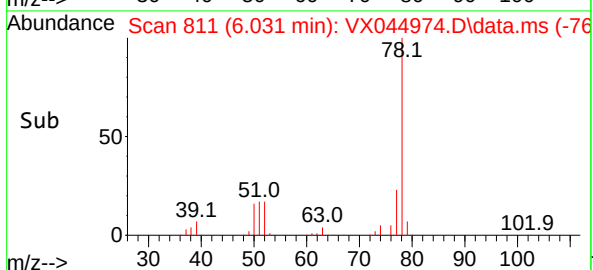
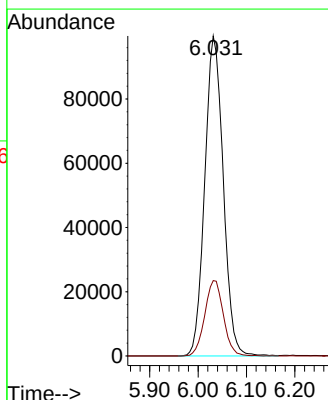
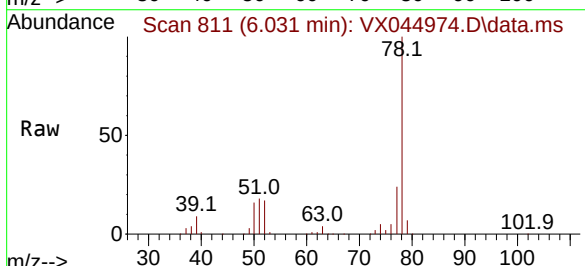
100

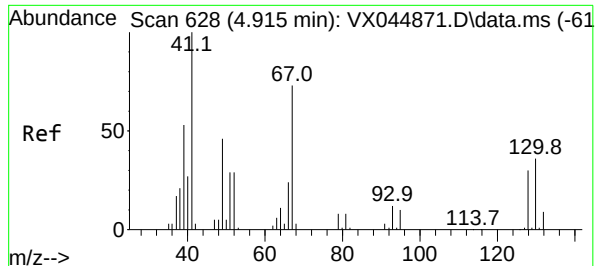
77

23.5

19.0

28.6





#41

Methacrylonitrile

Concen: 62.407 ug/l

RT: 4.916 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 5979

Ion Ratio Lower Upper

41 100

39 54.2 43.1 64.7

67 67.6 57.0 85.6

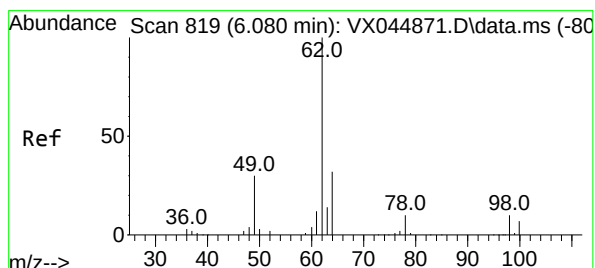
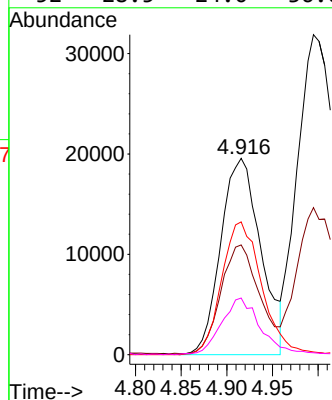
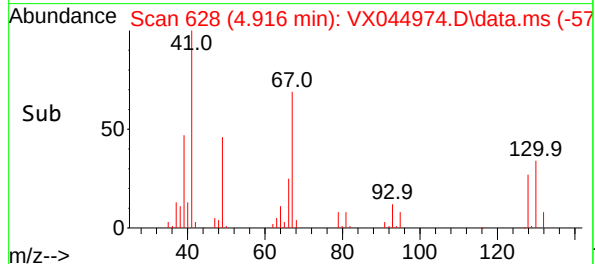
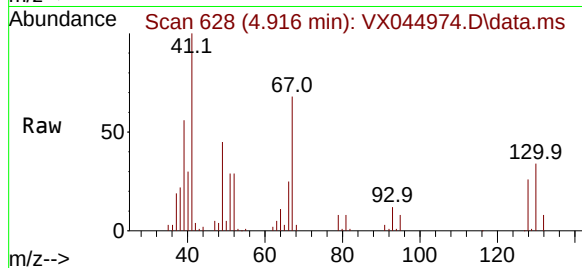
52 28.5 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#42

1,2-Dichloroethane

Concen: 57.228 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044974.D

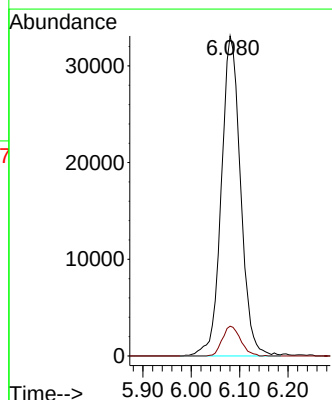
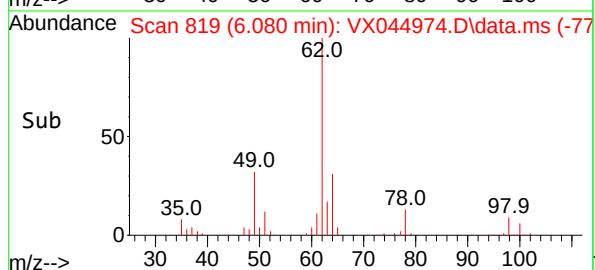
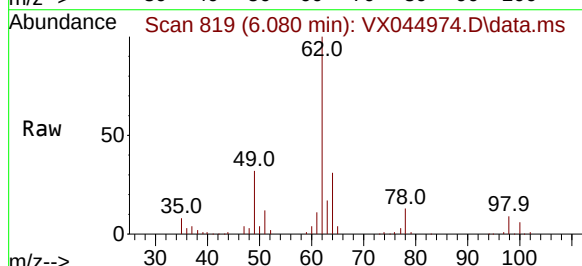
Acq: 14 Feb 2025 20:06

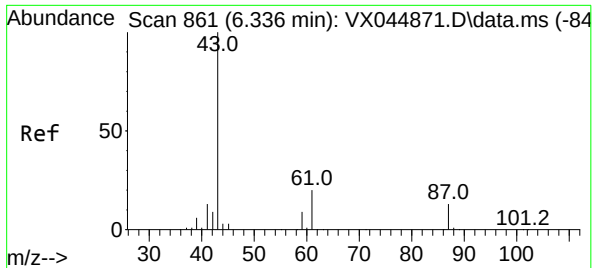
Tgt Ion: 62 Resp: 91650

Ion Ratio Lower Upper

62 100

98 8.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 57.723 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 16684

Ion Ratio Lower Upper

43 100

61 18.6 15.8 23.8

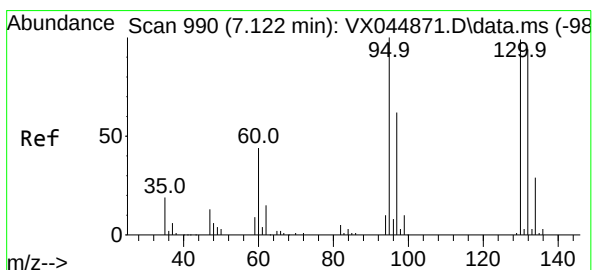
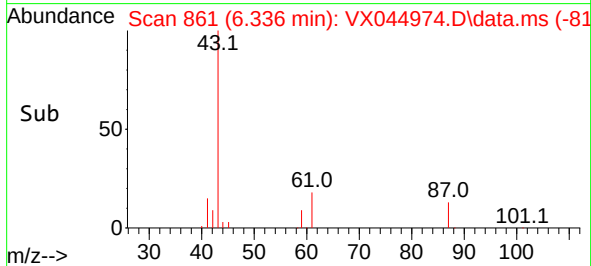
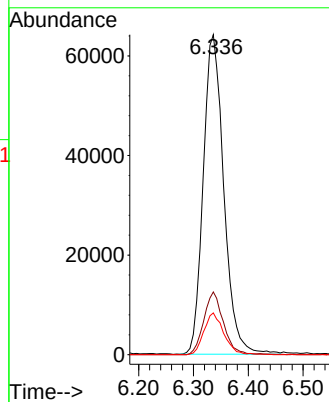
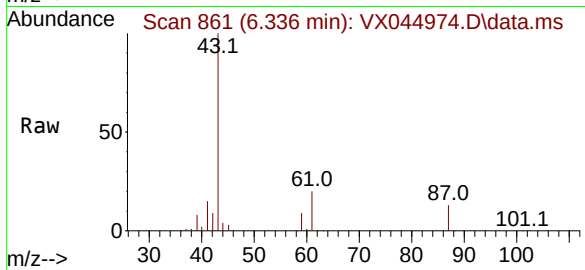
87 12.7 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#44

Trichloroethene

Concen: 53.693 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044974.D

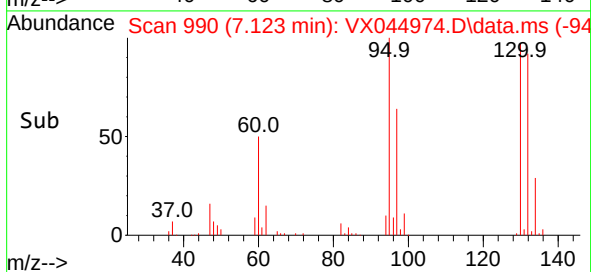
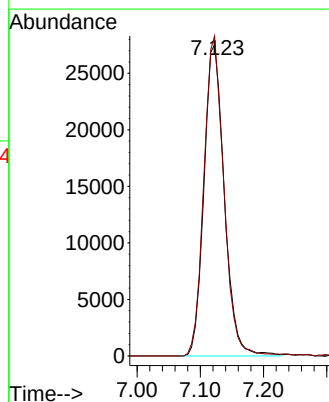
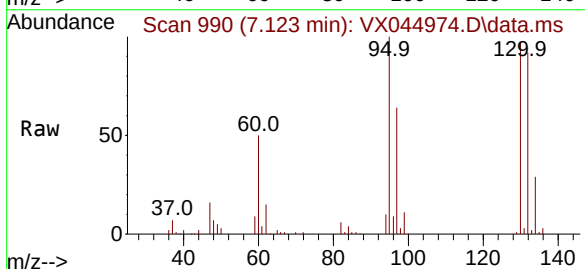
Acq: 14 Feb 2025 20:06

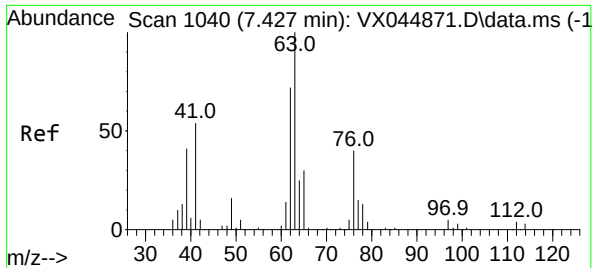
Tgt Ion:130 Resp: 61670

Ion Ratio Lower Upper

130 100

95 102.8 0.0 202.4





#45

1,2-Dichloropropane

Concen: 54.668 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 6834

Ion Ratio Lower Upper

63 100

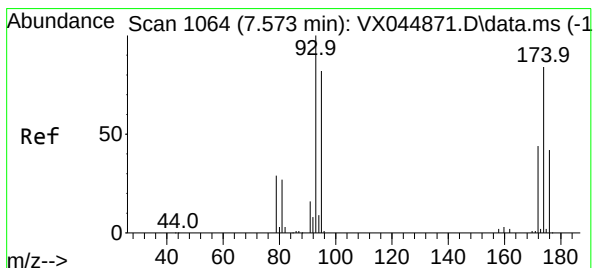
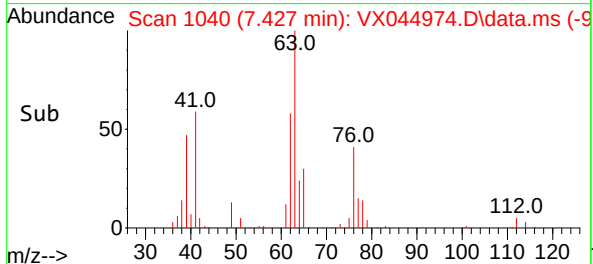
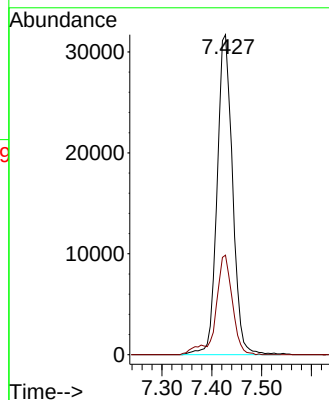
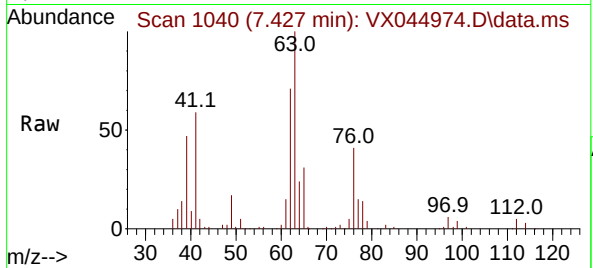
65 31.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#46

Dibromomethane

Concen: 55.940 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

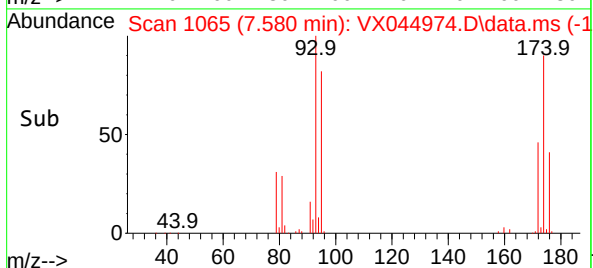
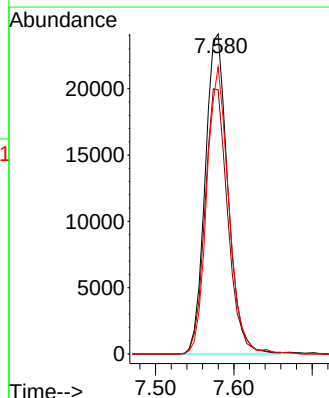
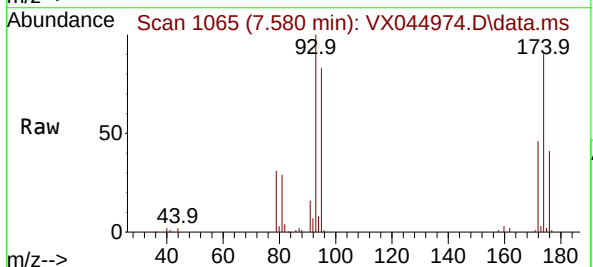
Tgt Ion: 93 Resp: 48498

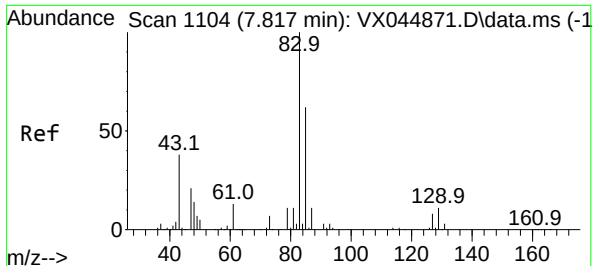
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 87.2 69.9 104.9





#47

Bromodichloromethane

Concen: 57.216 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

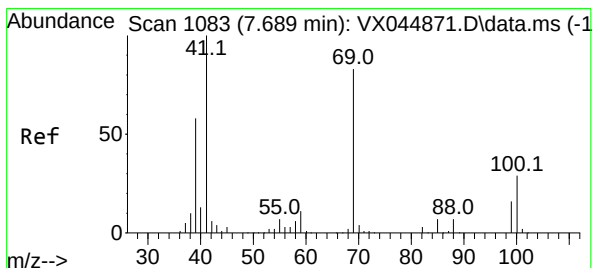
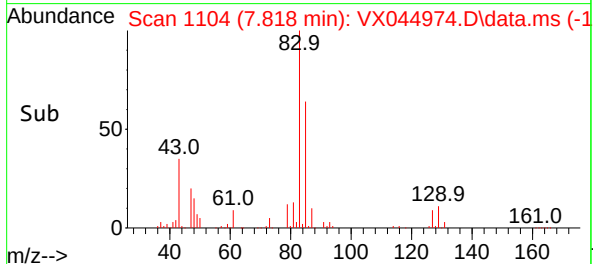
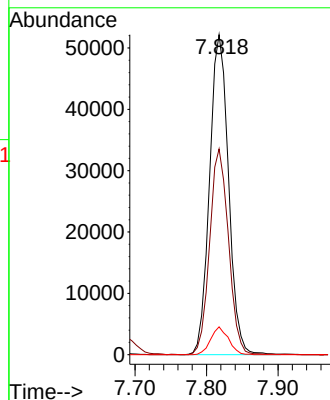
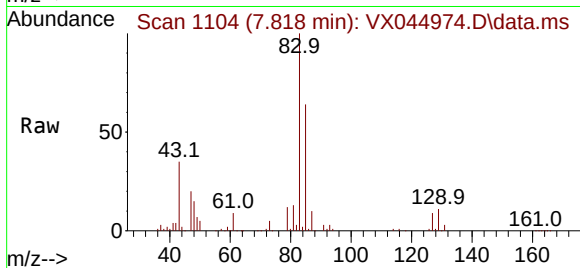
Tgt Ion:	83	Resp:	96049
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0
127	8.7	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#48

Methyl methacrylate

Concen: 60.311 ug/l

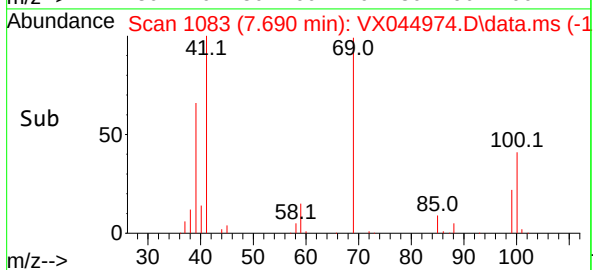
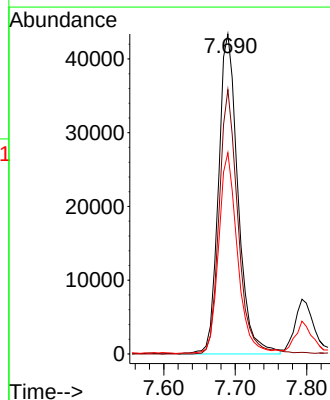
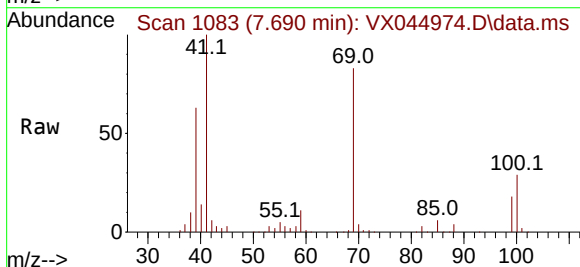
RT: 7.690 min Scan# 1083

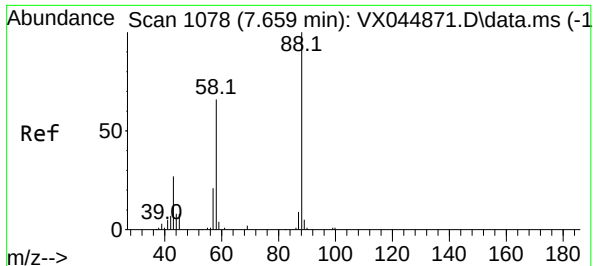
Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion:	41	Resp:	82197
Ion	Ratio	Lower	Upper
41	100		
69	79.7	65.8	98.8
39	60.1	46.4	69.6





#49

1,4-Dioxane

Concen: 1276.524 ug/l

RT: 7.653 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion: 88 Resp: 37320

Ion Ratio Lower Upper

88 100

43 35.1 26.6 39.8

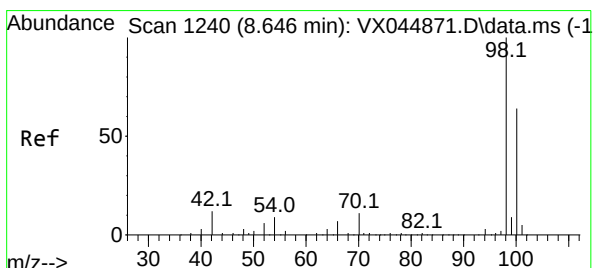
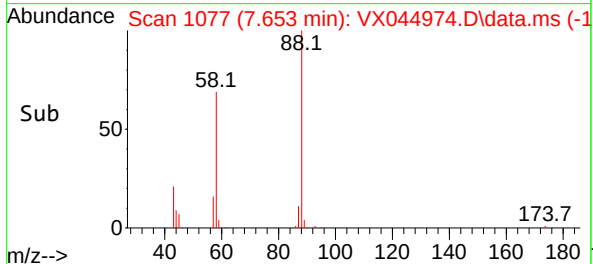
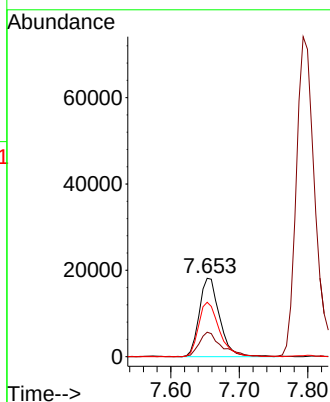
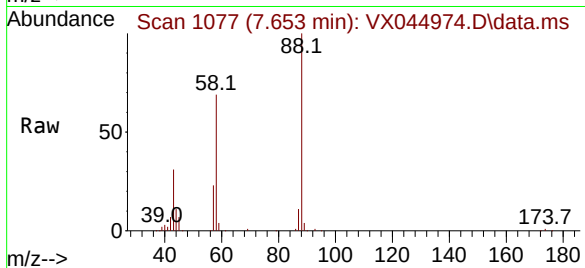
58 70.8 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#50

Toluene-d8

Concen: 44.728 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044974.D

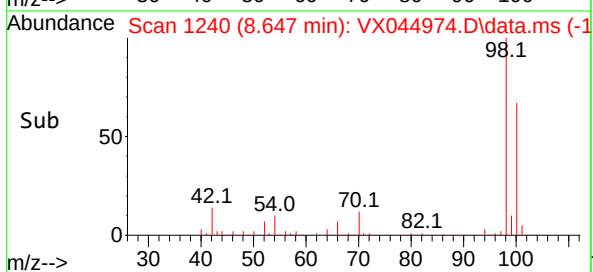
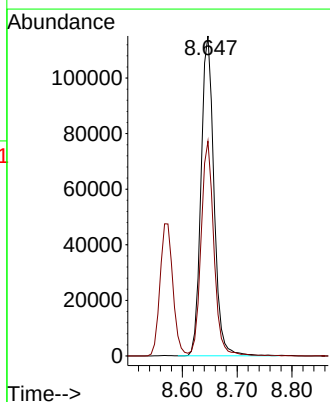
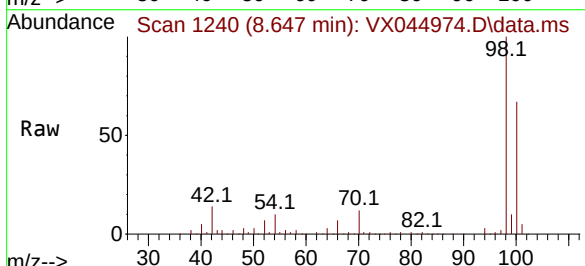
Acq: 14 Feb 2025 20:06

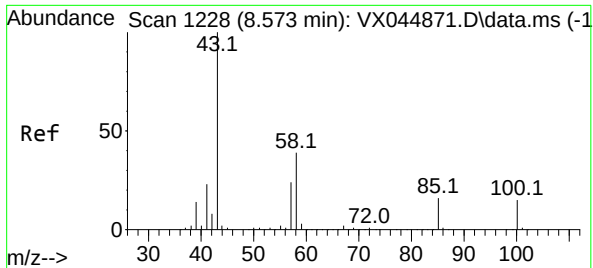
Tgt Ion: 98 Resp: 188654

Ion Ratio Lower Upper

98 100

100 66.7 52.7 79.1





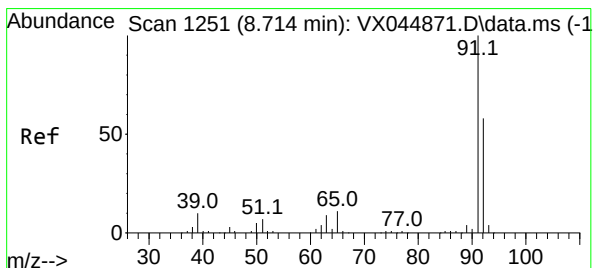
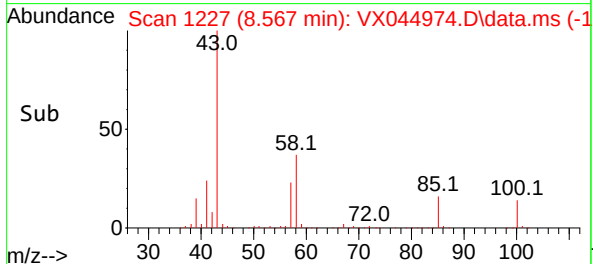
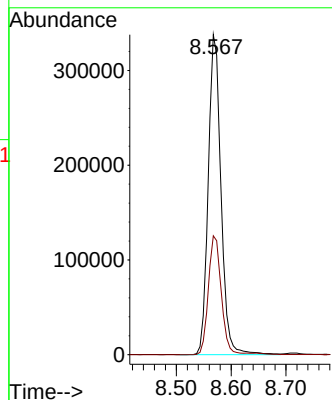
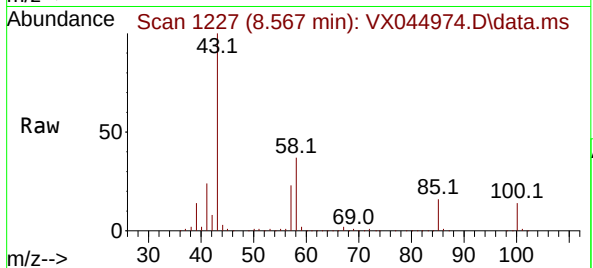
#51
4-Methyl-2-Pentanone
Concen: 309.071 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 543100
Ion Ratio Lower Upper
43 100
58 38.3 30.8 46.2

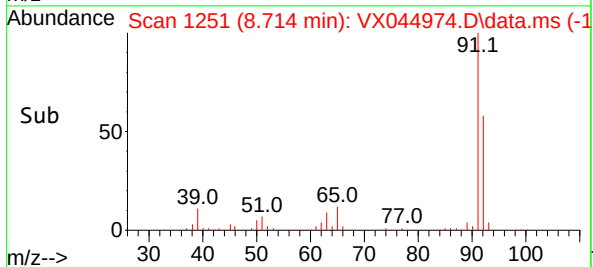
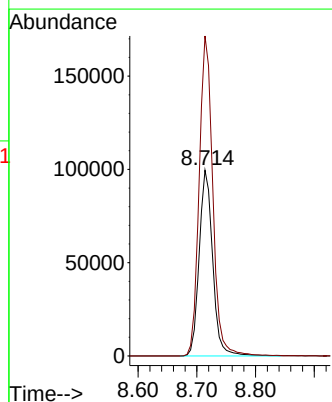
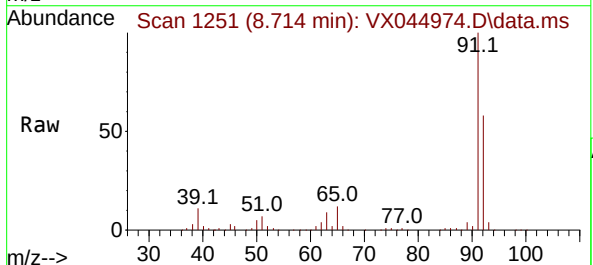
Manual Integrations
APPROVED

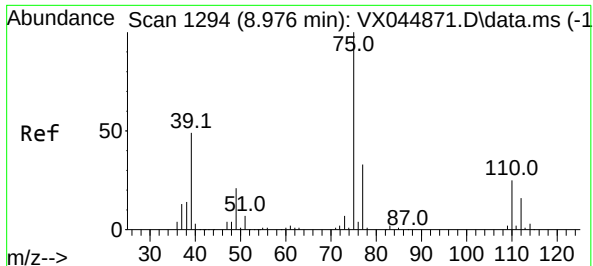
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#52
Toluene
Concen: 53.206 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 92 Resp: 159226
Ion Ratio Lower Upper
92 100
91 173.9 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 55.632 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 9450

Ion Ratio Lower Upper

75 100

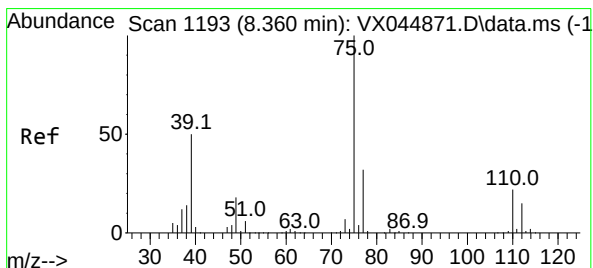
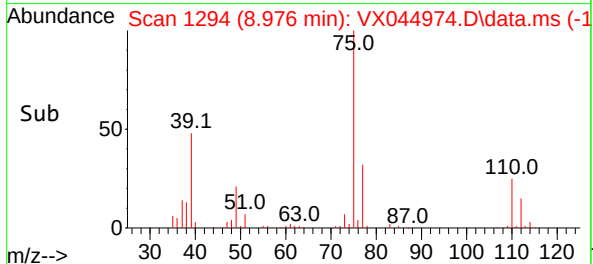
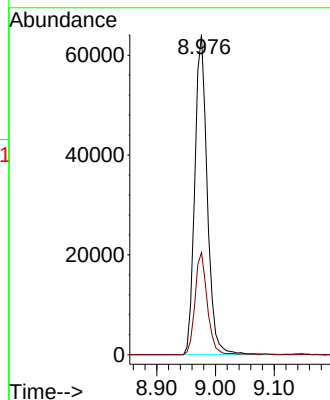
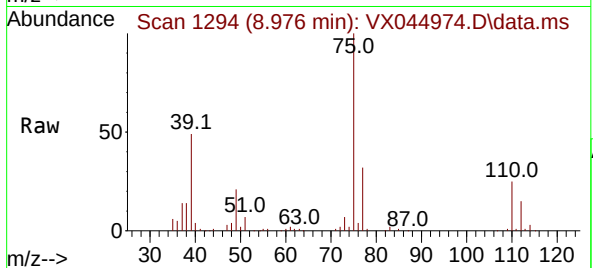
77 32.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#54

cis-1,3-Dichloropropene

Concen: 54.707 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

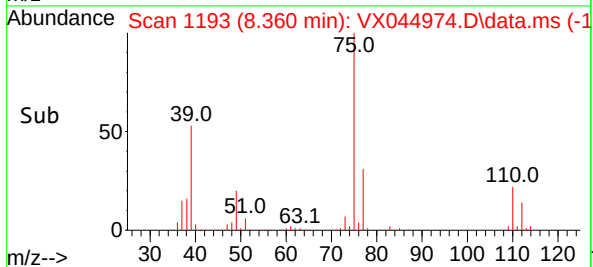
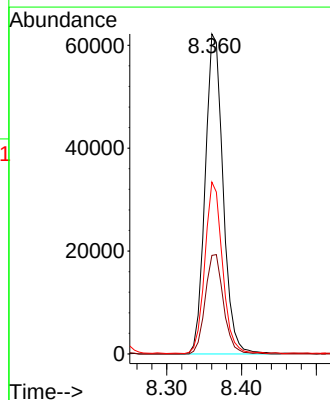
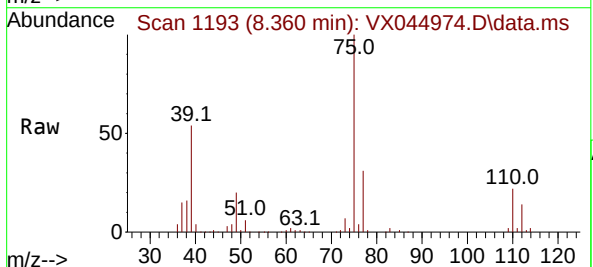
Tgt Ion: 75 Resp: 103618

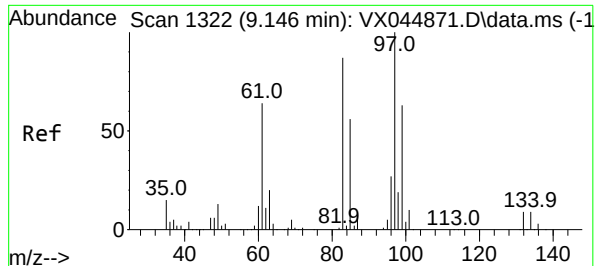
Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

39 53.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 55.708 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion: 97 Resp: 6408

Ion Ratio Lower Upper

97 100

83 88.6 69.8 104.6

85 56.4 44.8 67.2

99 65.7 50.6 76.0

Instrument :

MSVOA_X

ClientSampleId :

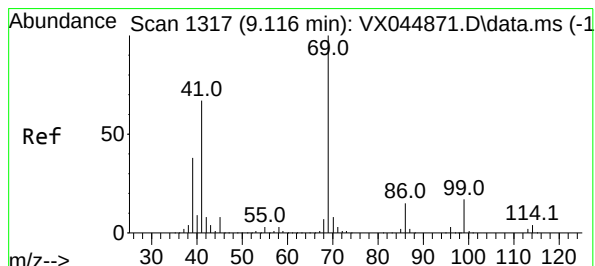
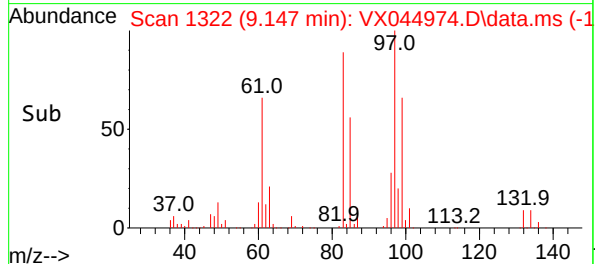
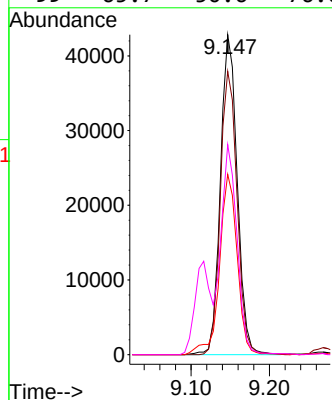
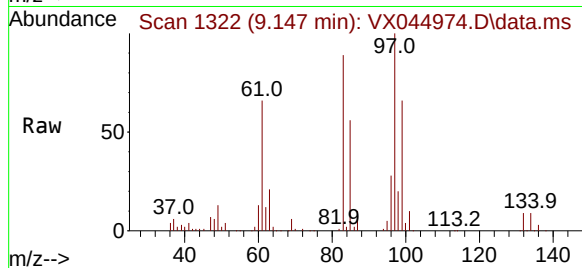
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#56

Ethyl methacrylate

Concen: 57.122 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

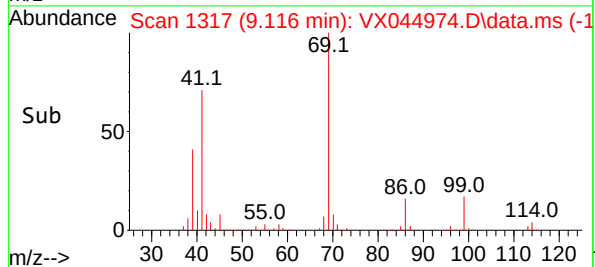
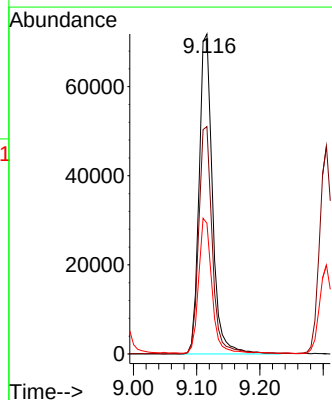
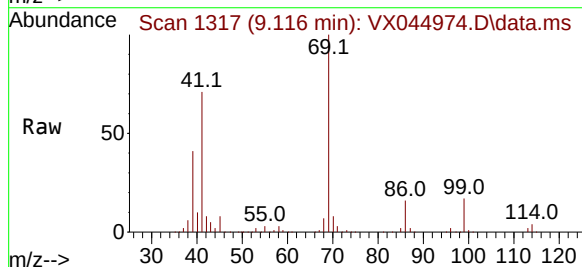
Tgt Ion: 69 Resp: 106133

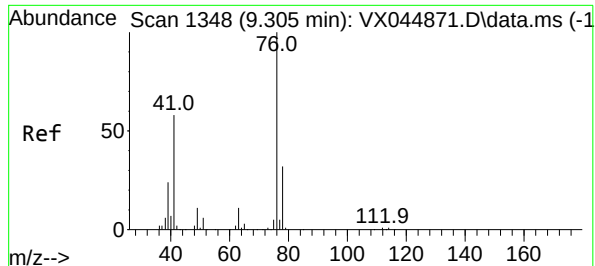
Ion Ratio Lower Upper

69 100

41 72.2 55.2 82.8

39 41.2 30.8 46.2





#57

1,3-Dichloropropane

Concen: 55.110 ug/l

RT: 9.305 min Scan# 110929

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 110929

Ion Ratio Lower Upper

76 100

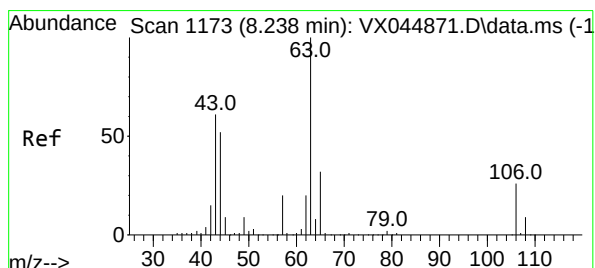
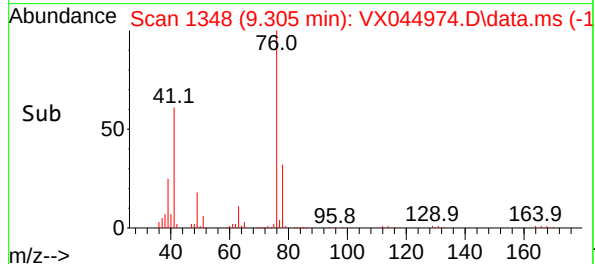
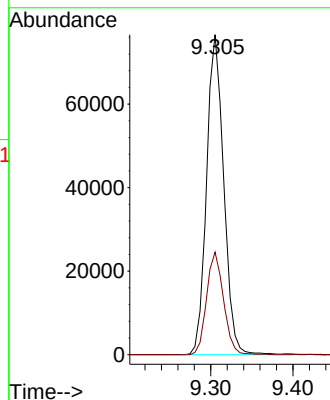
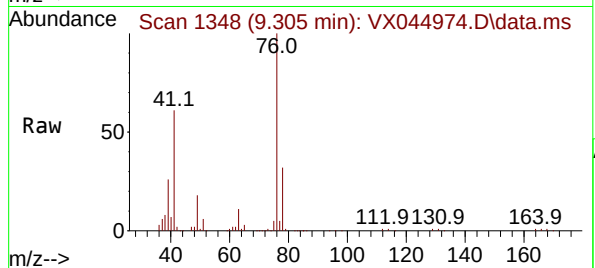
78 31.7 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 270.450 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044974.D

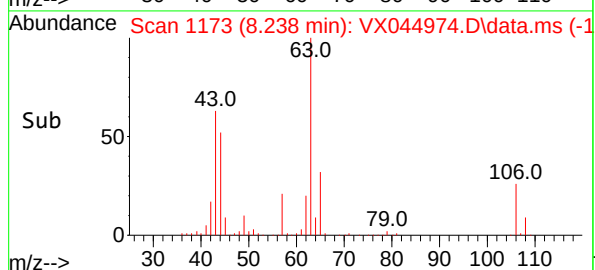
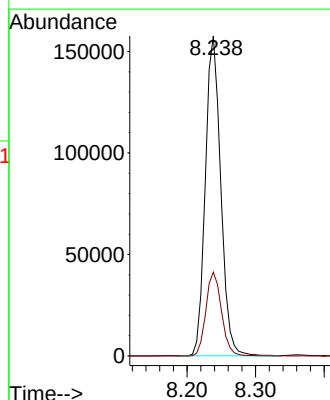
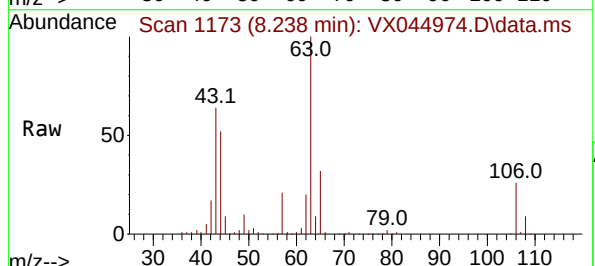
Acq: 14 Feb 2025 20:06

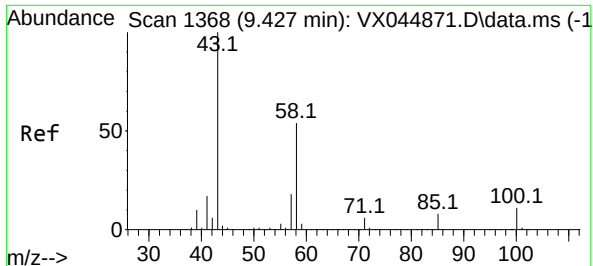
Tgt Ion: 63 Resp: 246733

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 324.260 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 41054

Ion Ratio Lower Upper

43 100

58 52.7

71 27.5

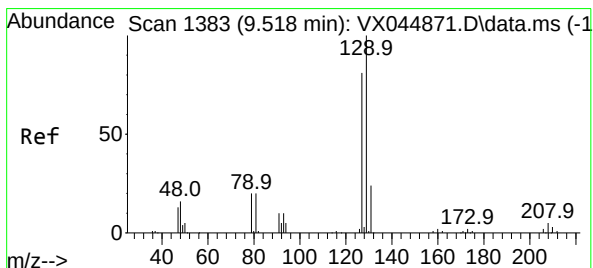
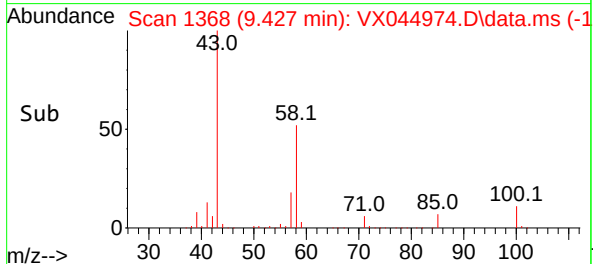
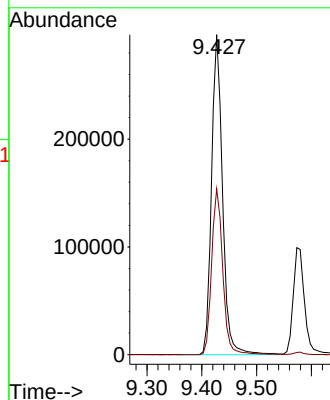
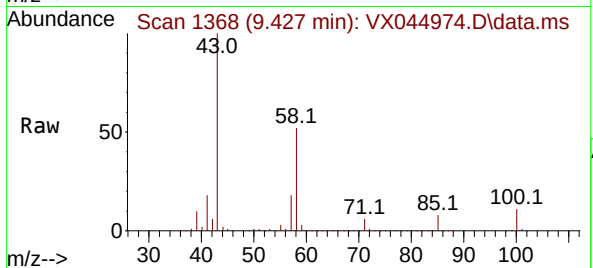
85 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#60

Dibromochloromethane

Concen: 57.145 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion:129 Resp: 70306

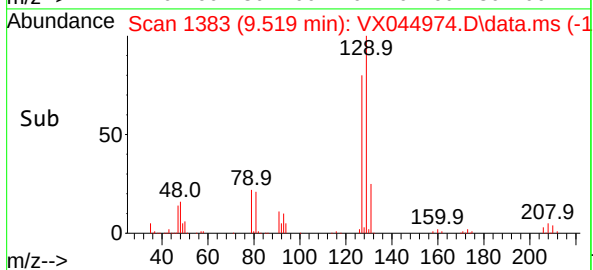
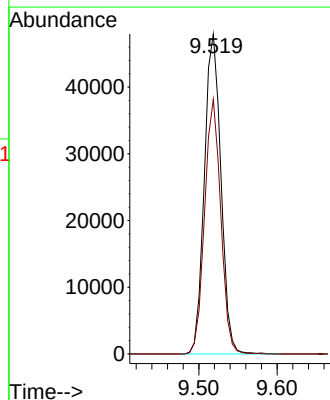
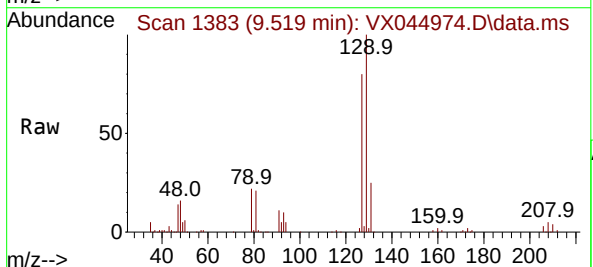
Ion Ratio Lower Upper

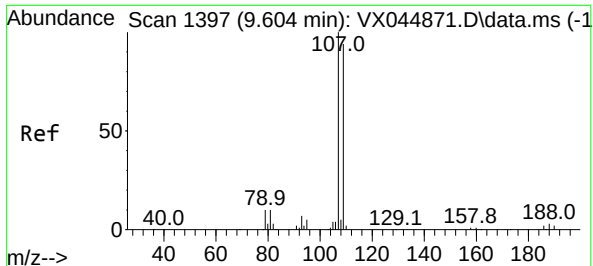
129 100

127 77.8

159 39.1

207 117.3





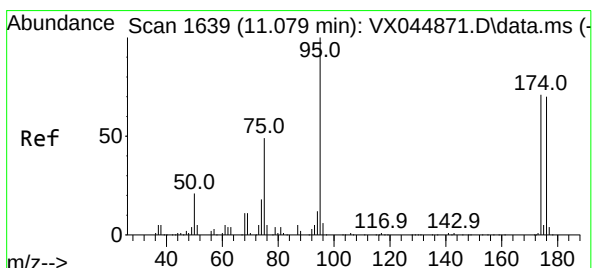
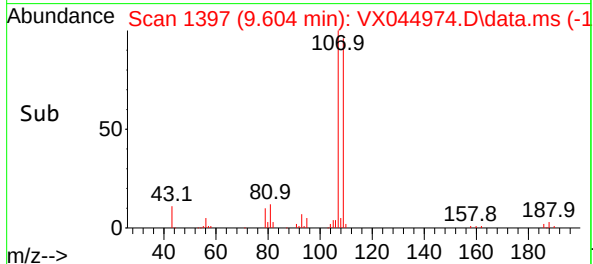
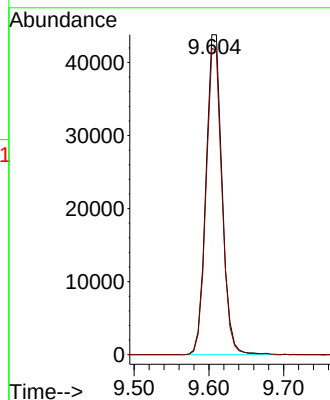
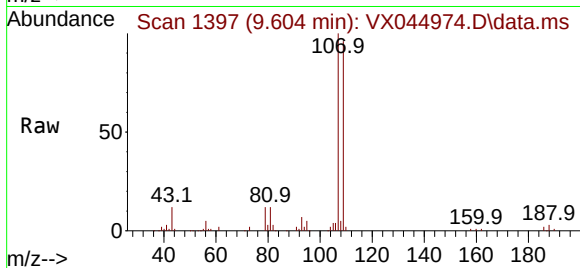
#61
1,2-Dibromoethane
Concen: 56.187 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDC050EC

Tgt Ion:107 Resp: 6551
Ion Ratio Lower Upper
107 100
109 94.6 75.9 113.9

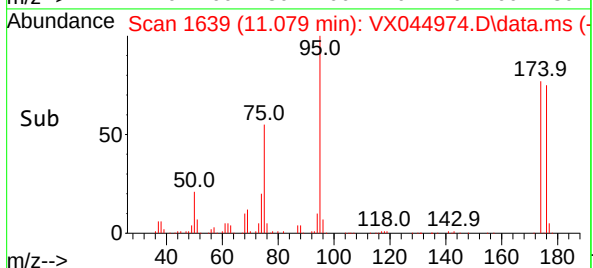
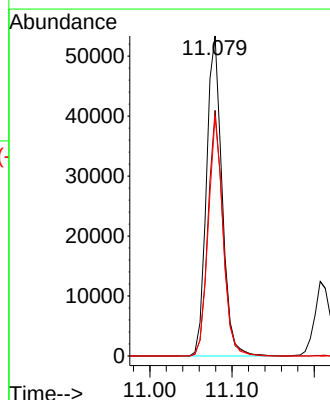
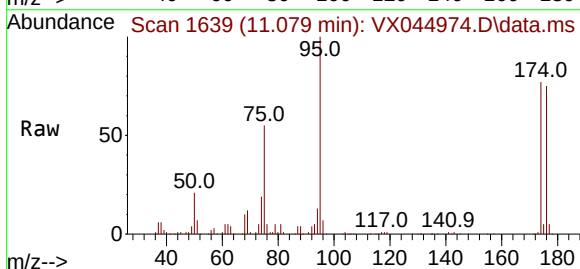
Manual Integrations
APPROVED

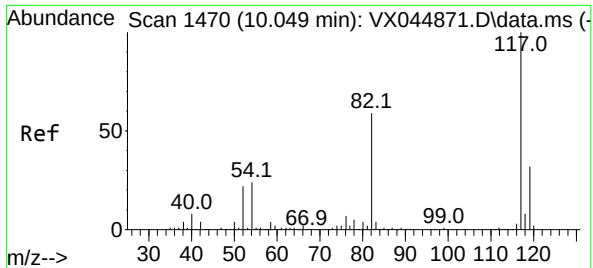
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#62
4-Bromofluorobenzene
Concen: 49.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

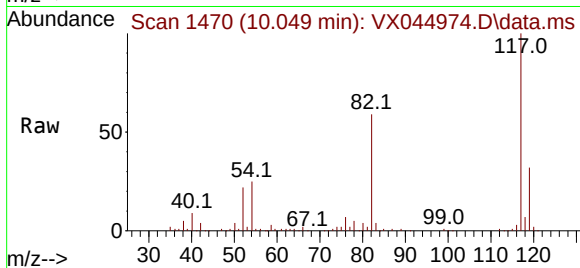
Tgt Ion: 95 Resp: 69901
Ion Ratio Lower Upper
95 100
174 73.6 0.0 142.6
176 71.0 0.0 141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

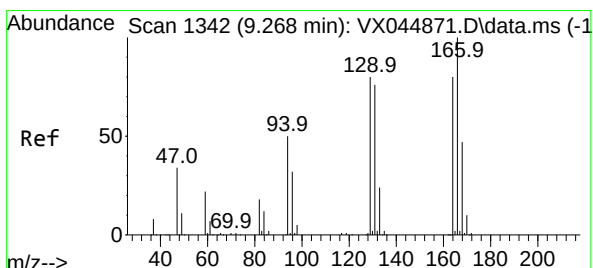
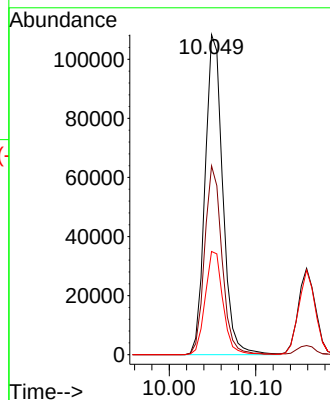
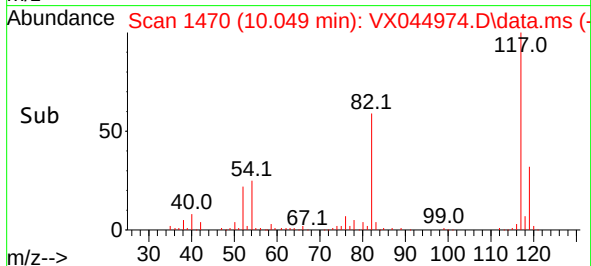
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:117 Resp: 15346
Ion Ratio Lower Upper
117 100
82 59.0 47.5 71.3
119 32.3 25.4 38.0

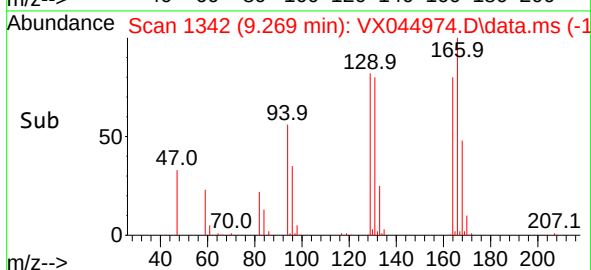
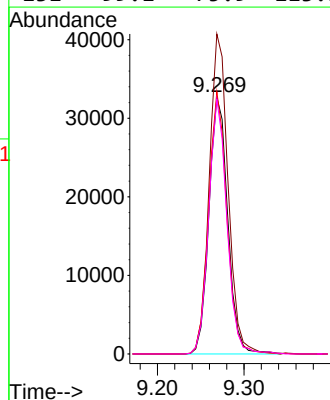
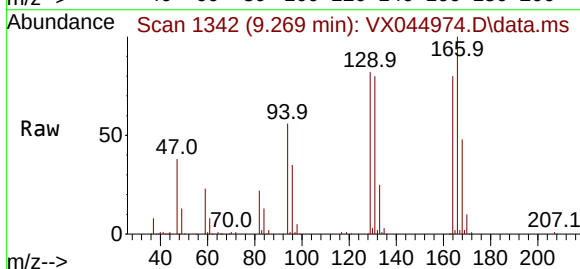
Manual Integrations
APPROVED

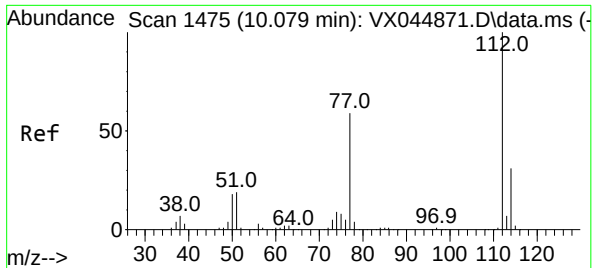
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#64
Tetrachloroethene
Concen: 50.766 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:164 Resp: 49133
Ion Ratio Lower Upper
164 100
166 124.5 100.4 150.6
129 102.0 79.9 119.9
131 99.1 75.9 113.9





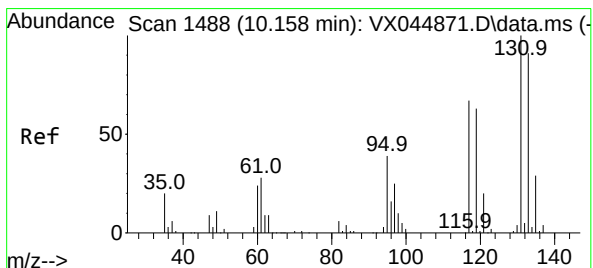
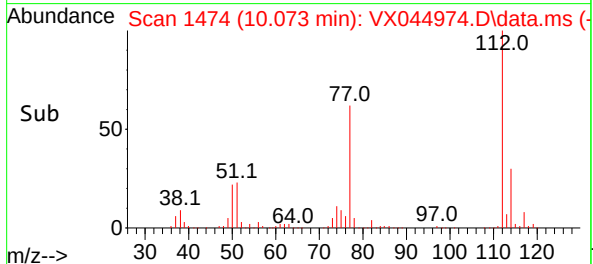
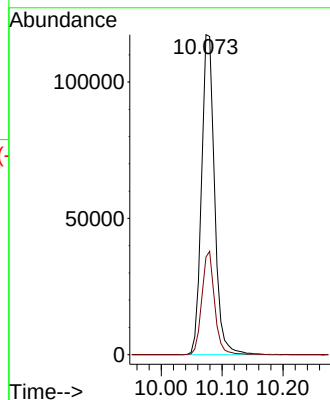
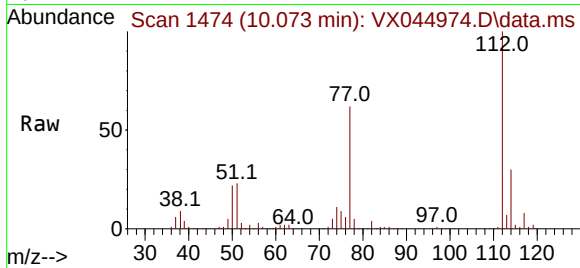
#65
Chlorobenzene
Concen: 53.124 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 175110
Ion Ratio Lower Upper
112 100
114 30.5 25.0 37.6

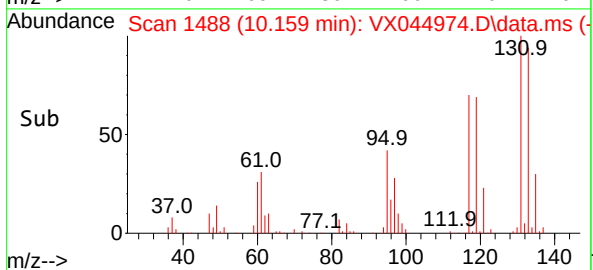
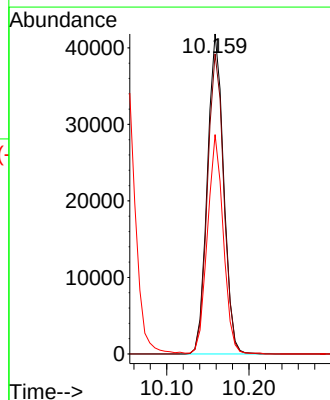
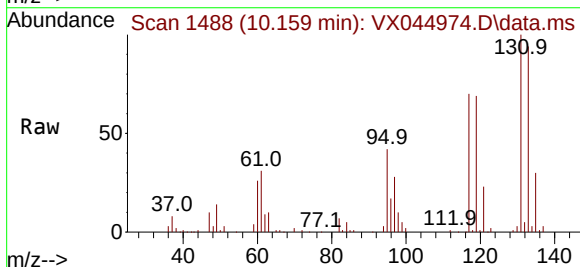
Manual Integrations
APPROVED

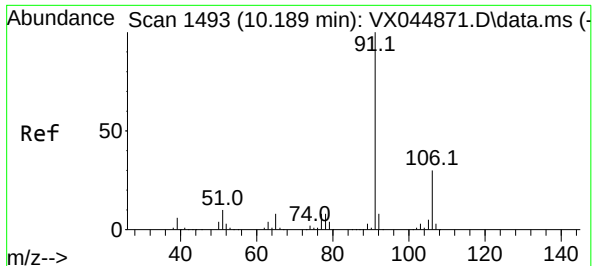
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 54.322 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:131 Resp: 57633
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 66.9 33.6 100.6





#67

Ethyl Benzene

Concen: 53.064 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 308662

Ion Ratio Lower Upper

91 100

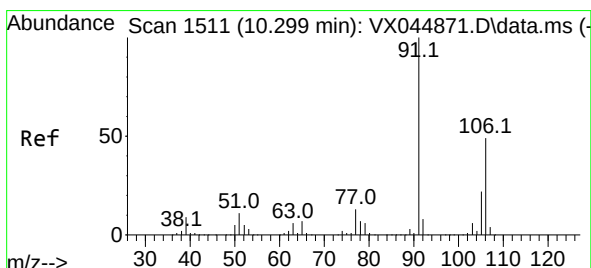
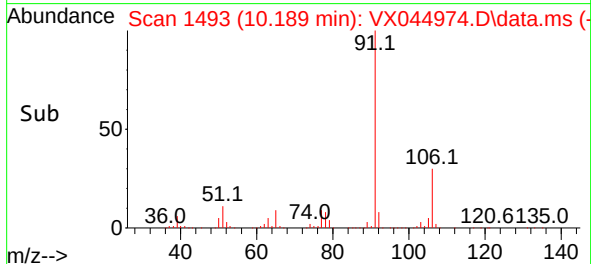
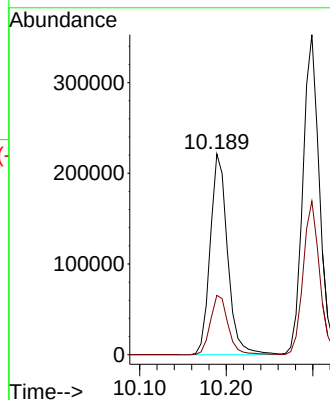
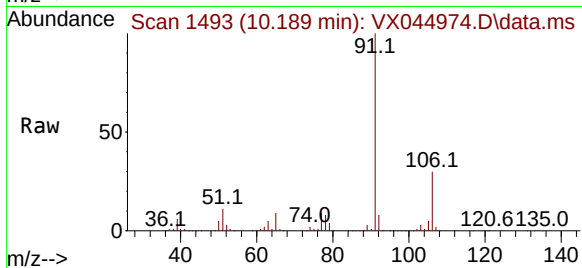
106 29.5 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#68

m/p-Xylenes

Concen: 105.988 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044974.D

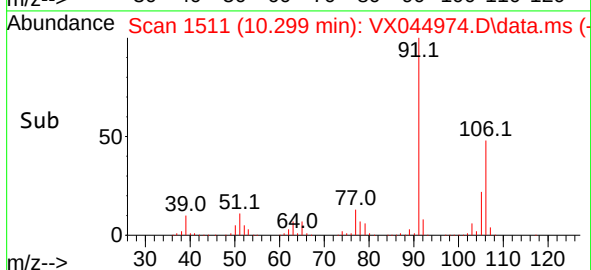
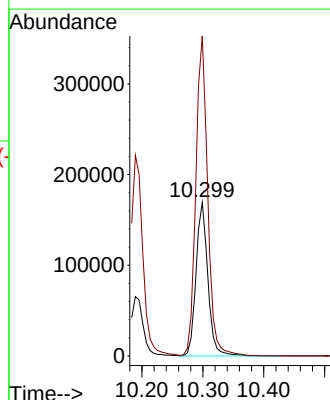
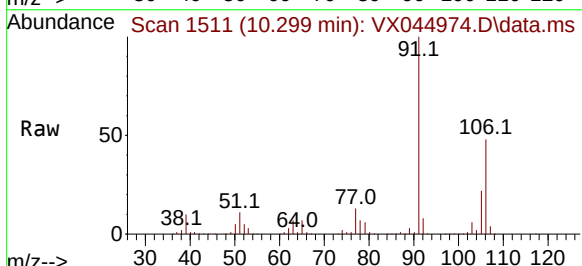
Acq: 14 Feb 2025 20:06

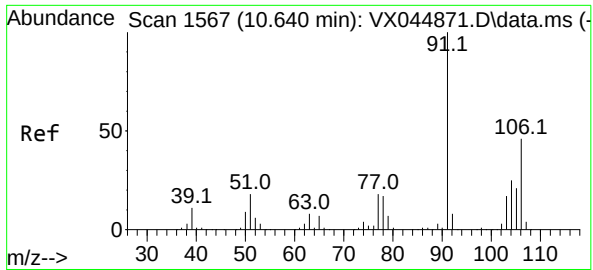
Tgt Ion:106 Resp: 227422

Ion Ratio Lower Upper

106 100

91 209.1 164.3 246.5





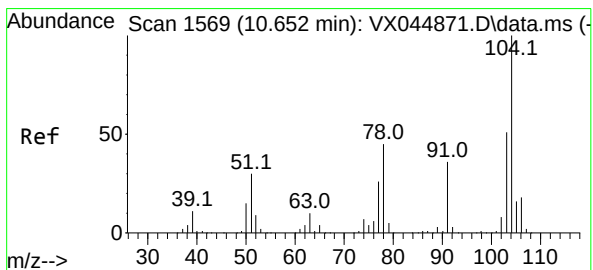
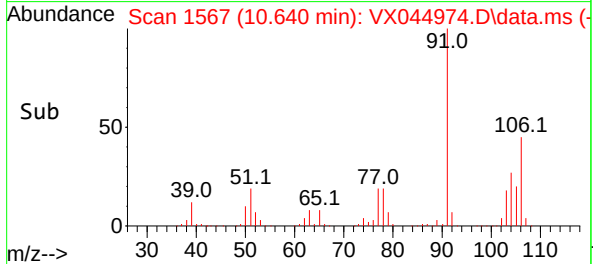
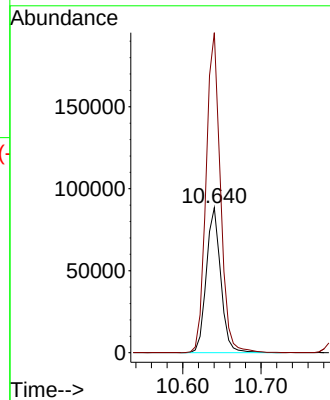
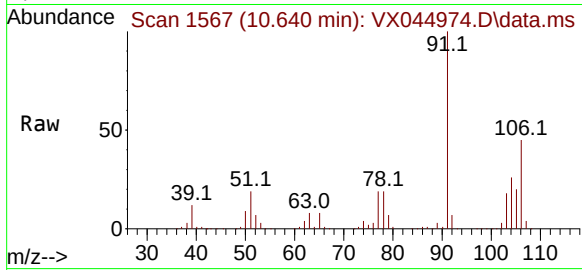
#69
o-Xylene
Concen: 52.414 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 112850
Ion Ratio Lower Upper
106 100
91 219.6 108.5 325.5

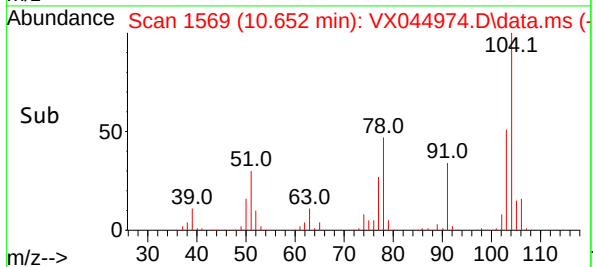
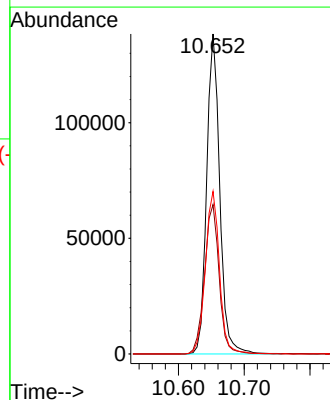
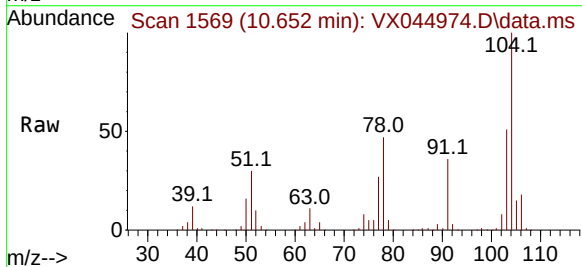
Manual Integrations
APPROVED

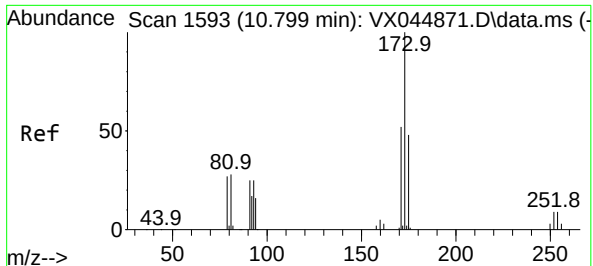
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#70
Styrene
Concen: 55.172 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

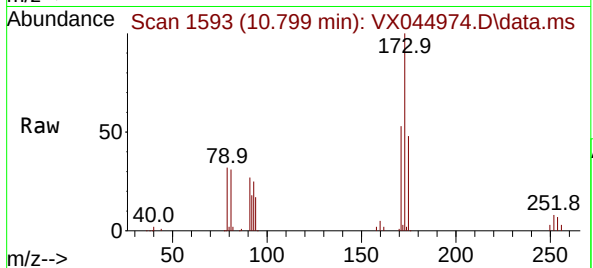
Tgt Ion:104 Resp: 191380
Ion Ratio Lower Upper
104 100
78 52.3 40.5 60.7
103 55.0 43.6 65.4





#71
Bromoform
Concen: 58.514 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

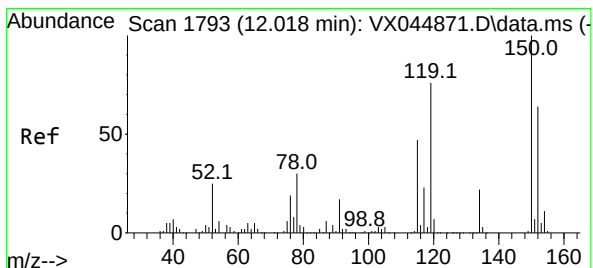
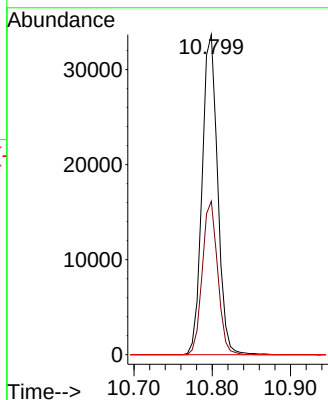
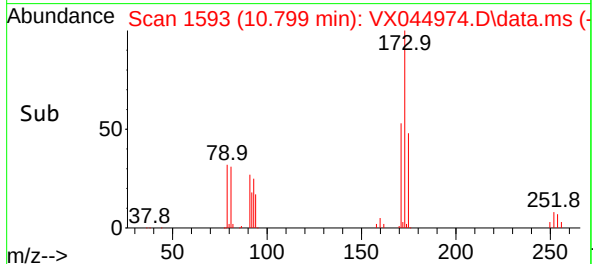
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



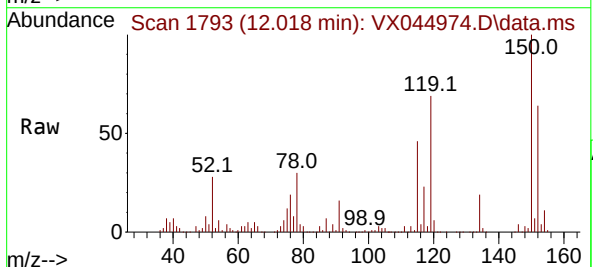
Tgt Ion:173 Resp: 4633
Ion Ratio Lower Upper
173 100
175 47.4 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
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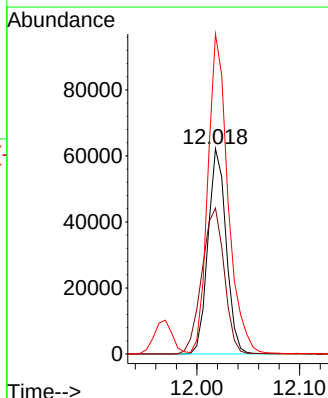
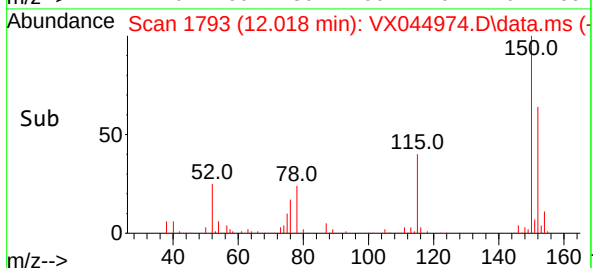
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

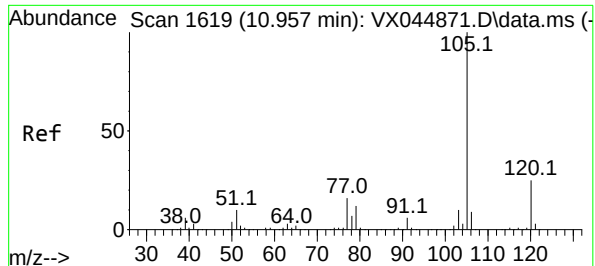


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06



Tgt Ion:152 Resp: 76183
Ion Ratio Lower Upper
152 100
115 87.8 43.4 130.1
150 172.1 0.0 350.4





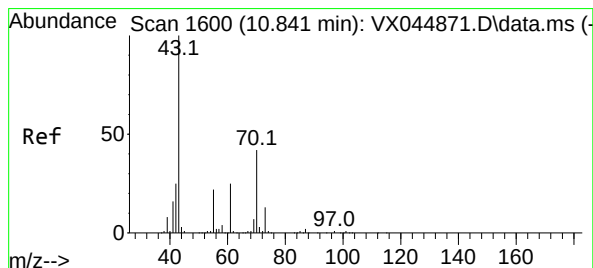
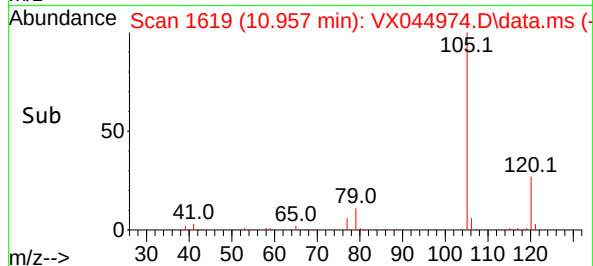
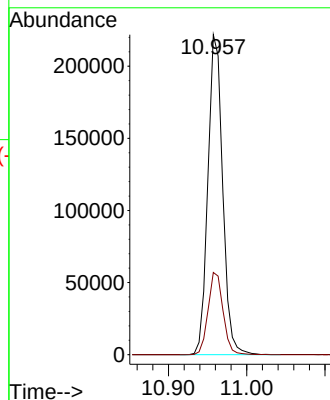
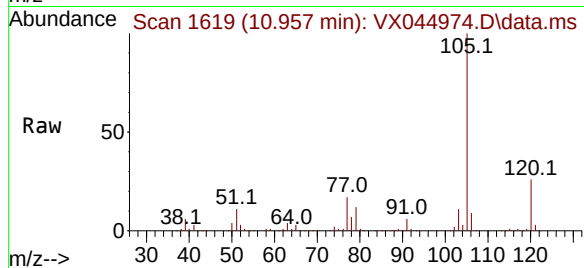
#73
Isopropylbenzene
Concen: 47.192 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 28948
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5

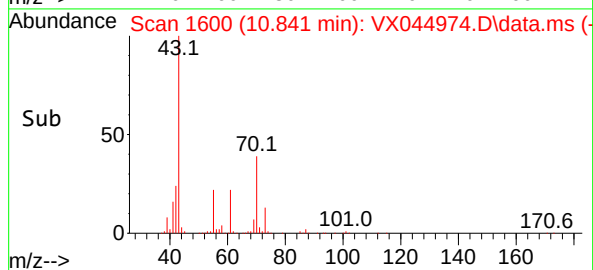
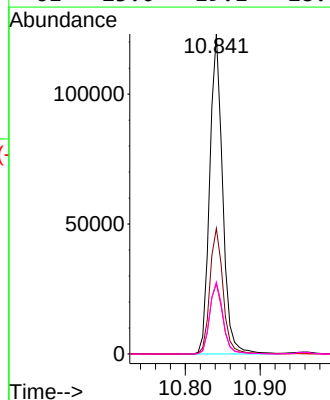
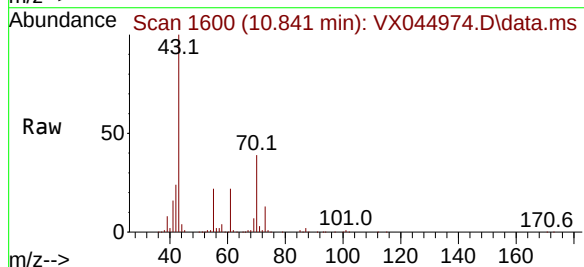
Manual Integrations
APPROVED

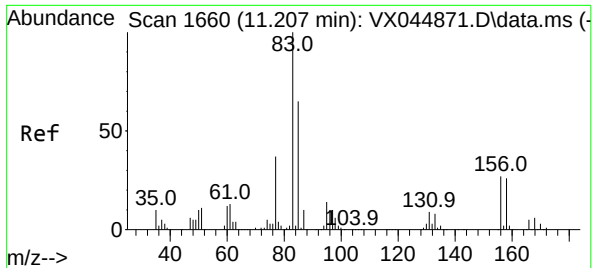
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#74
N-ethyl acetate
Concen: 53.307 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 43 Resp: 147969
Ion Ratio Lower Upper
43 100
70 40.1 33.7 50.5
55 22.6 18.6 27.8
61 23.0 19.1 28.7





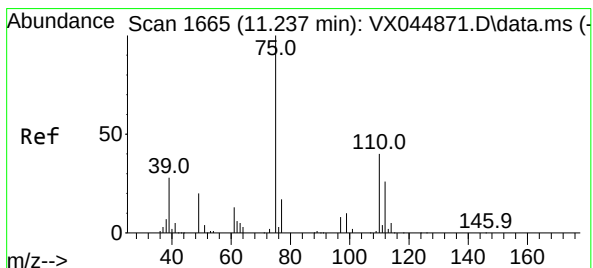
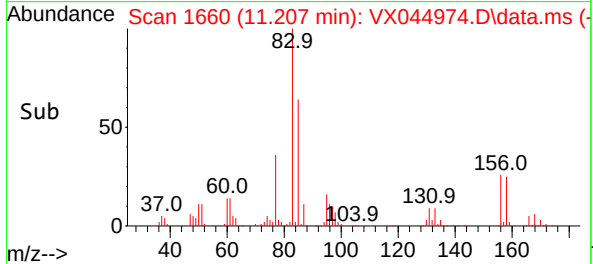
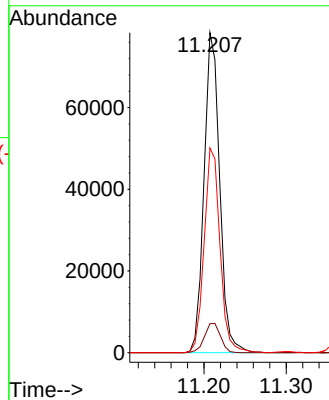
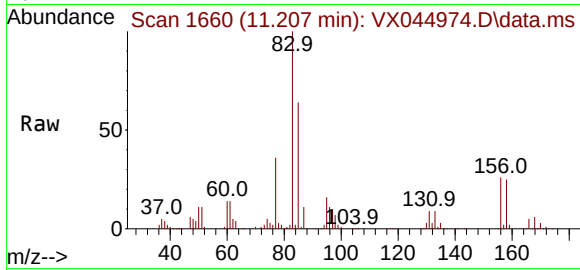
#75
1,1,2,2-Tetrachloroethane
Concen: 49.296 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 10391
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.5
85 64.8 32.3 96.8

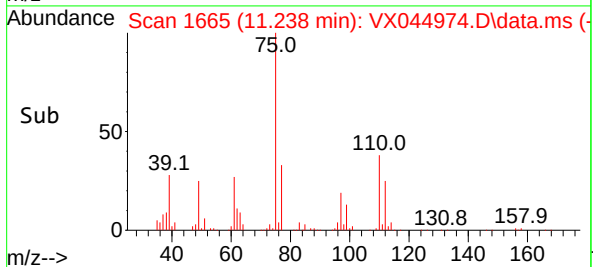
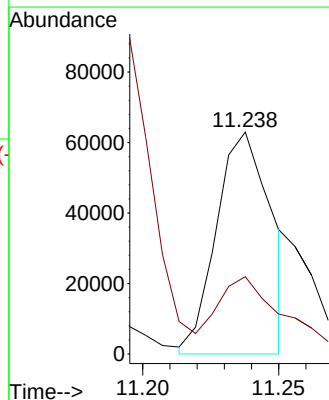
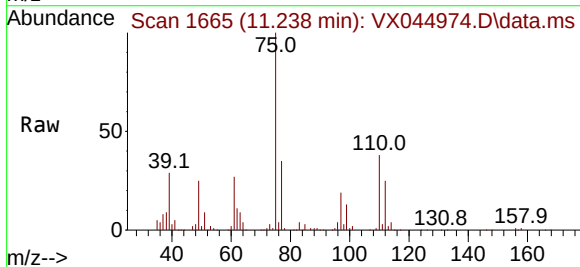
Manual Integrations
APPROVED

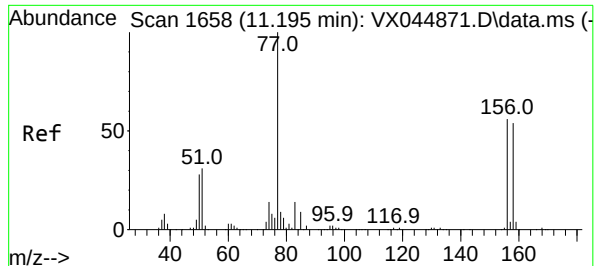
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#76
1,2,3-Trichloropropane
Concen: 51.817 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 75 Resp: 87524
Ion Ratio Lower Upper
75 100
77 42.5 21.9 65.7





#77

Bromobenzene

Concen: 49.693 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

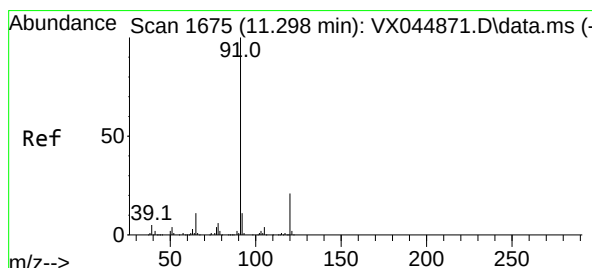
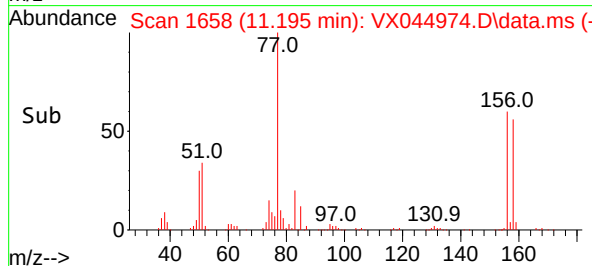
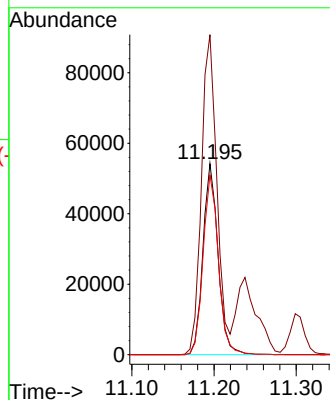
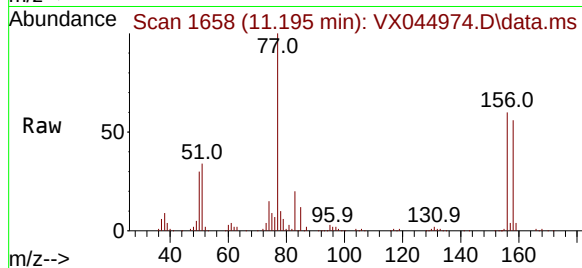
Tgt Ion:	156	Resp:	69109
Ion Ratio	Lower	Upper	
156	100		
77	171.6	88.4	265.3
158	95.5	48.4	145.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#78

n-propylbenzene

Concen: 49.081 ug/l

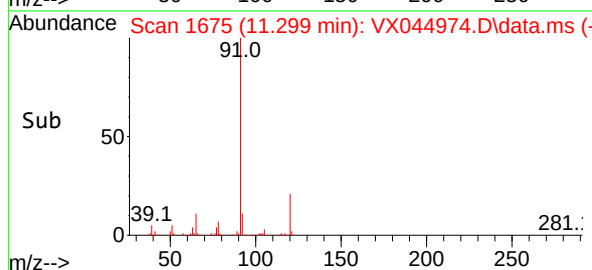
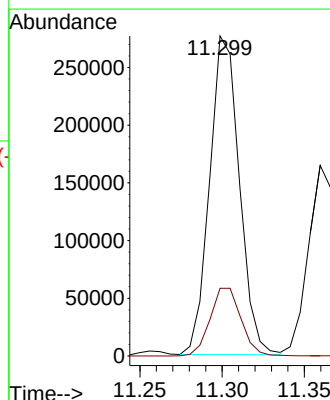
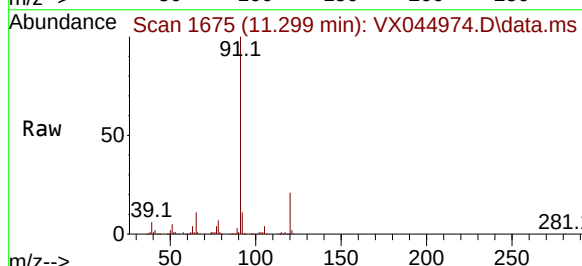
RT: 11.299 min Scan# 1675

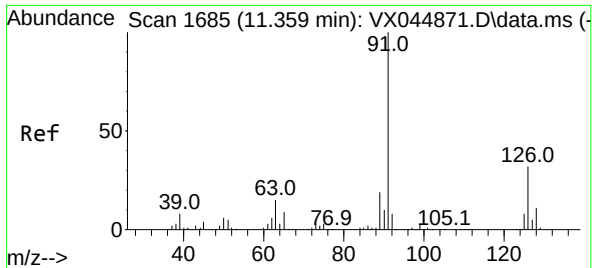
Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion:	91	Resp:	347506
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3





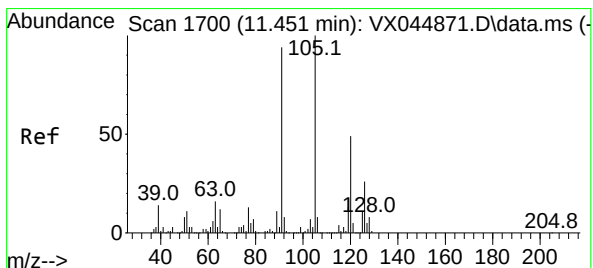
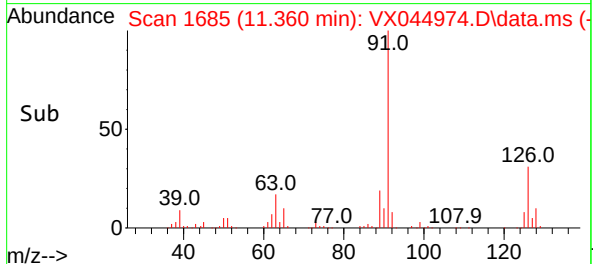
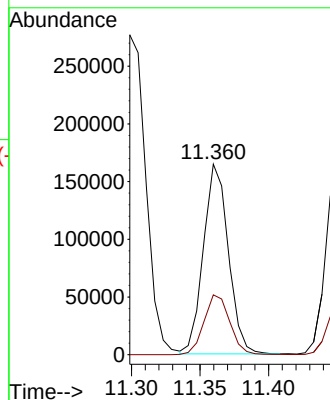
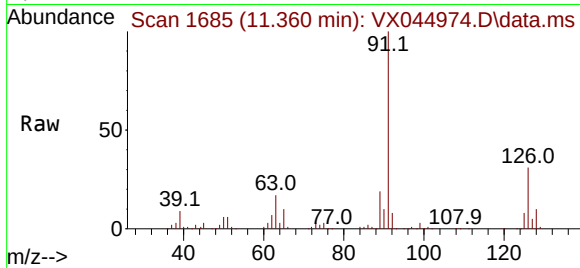
#79
2-Chlorotoluene
Concen: 47.769 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 20786
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6

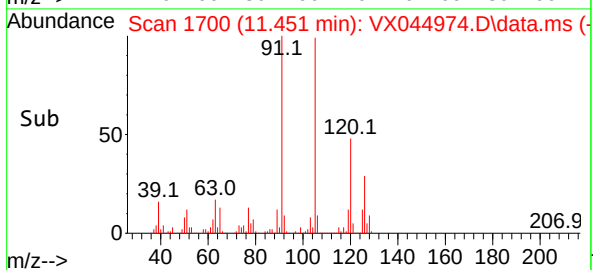
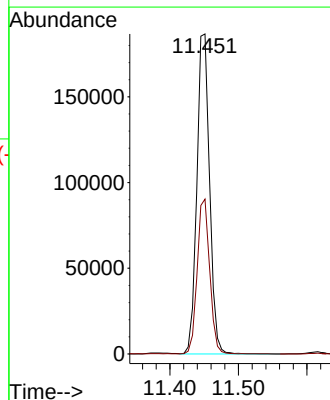
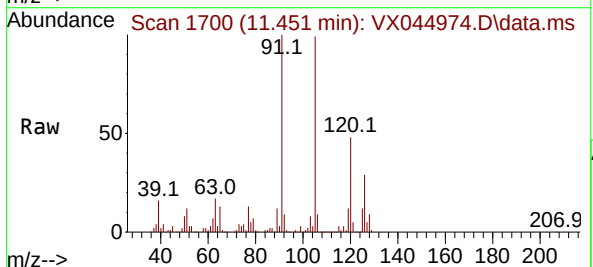
Manual Integrations
APPROVED

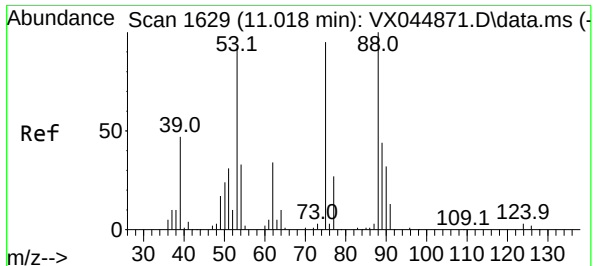
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 48.466 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:105 Resp: 241259
Ion Ratio Lower Upper
105 100
120 47.5 24.0 72.0





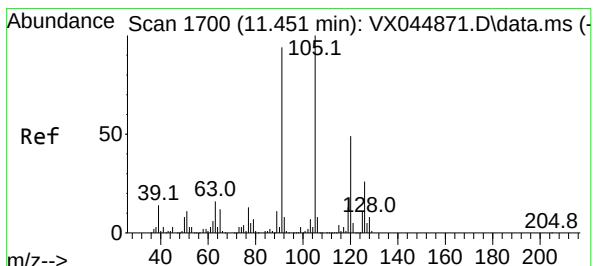
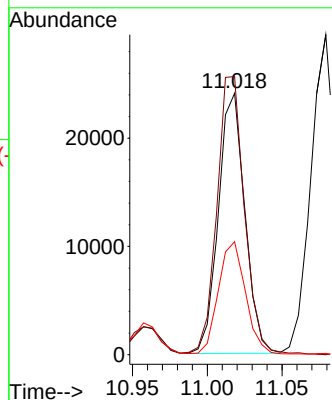
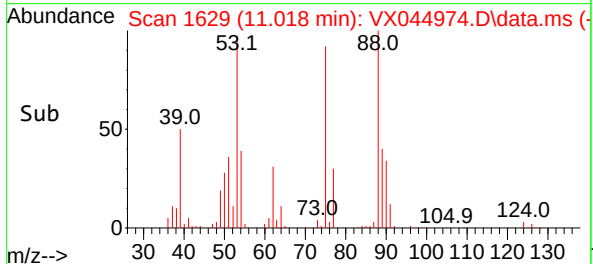
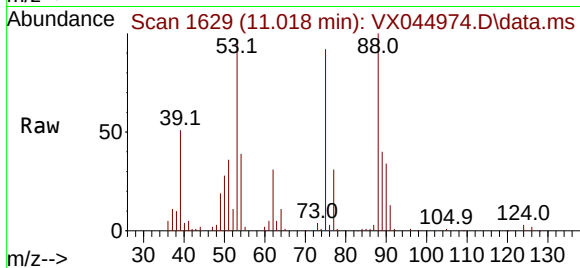
#81
trans-1,4-Dichloro-2-butene
Concen: 45.155 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 29650
Ion Ratio Lower Upper
75 100
53 111.7 78.0 117.0
89 44.3 36.6 54.8

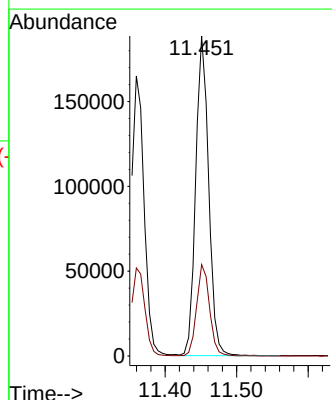
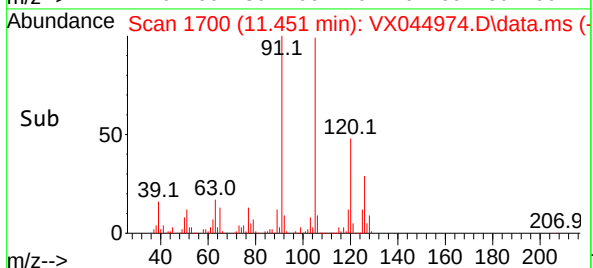
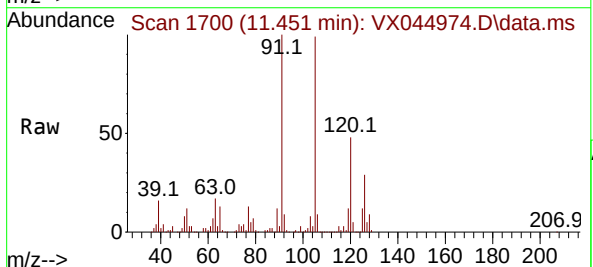
Manual Integrations
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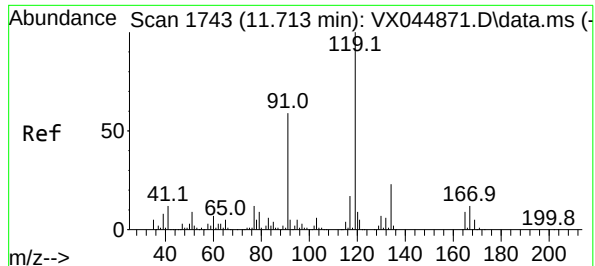
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#82
4-Chlorotoluene
Concen: 49.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 91 Resp: 236705
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6





#83

tert-Butylbenzene

Concen: 48.679 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 245140

Ion Ratio Lower Upper

119 100

91 59.3 29.1 87.4

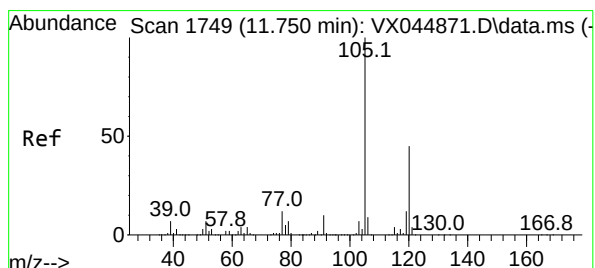
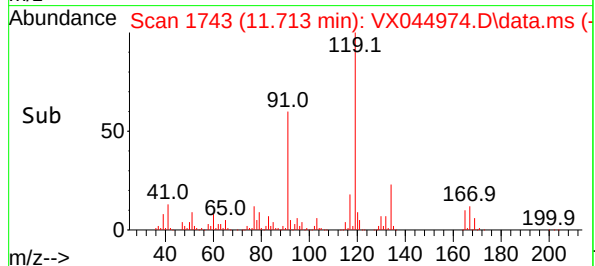
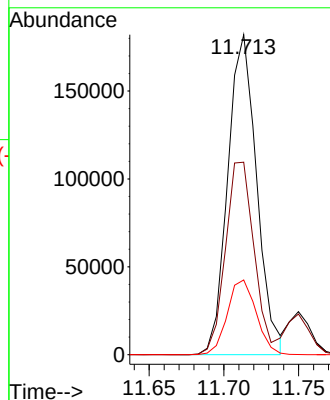
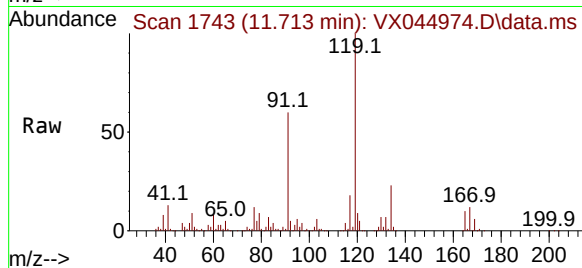
134 23.3 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.037 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044974.D

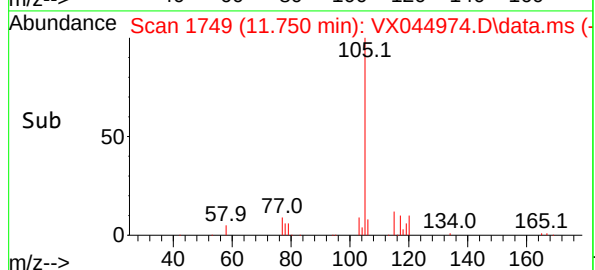
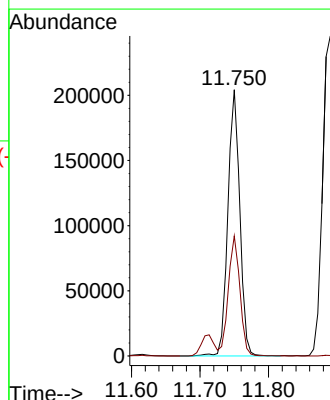
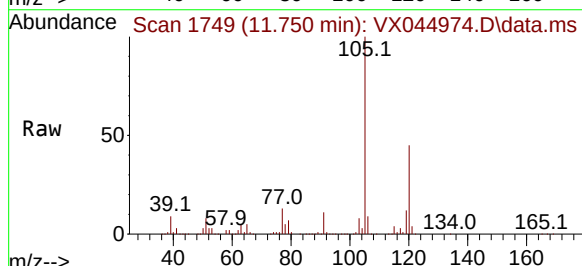
Acq: 14 Feb 2025 20:06

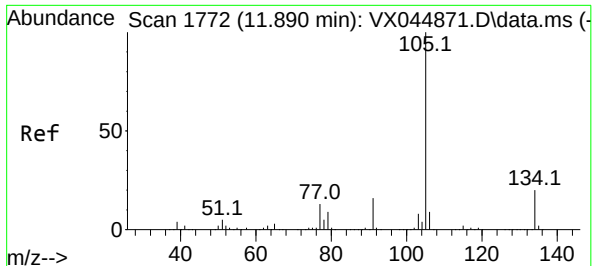
Tgt Ion:105 Resp: 245839

Ion Ratio Lower Upper

105 100

120 44.1 22.4 67.0





#85

sec-Butylbenzene

Concen: 49.539 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 308918

Ion Ratio Lower Upper

105 100

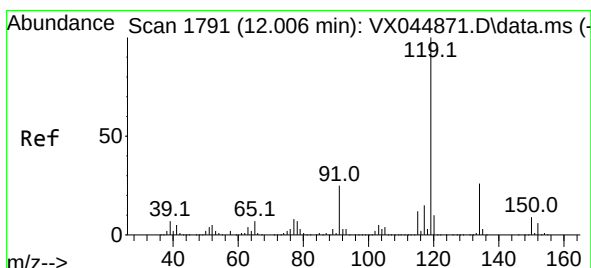
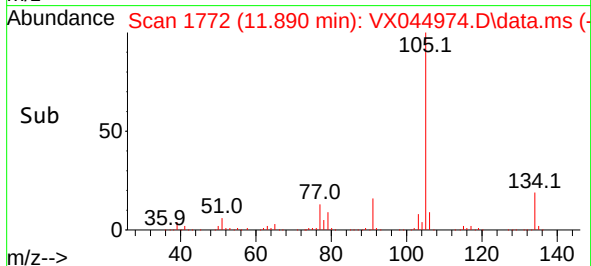
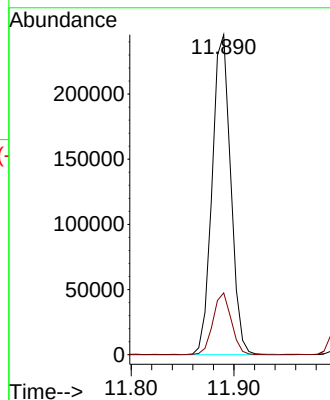
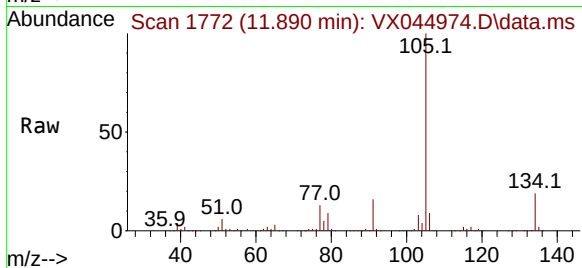
134 19.0 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#86

p-Isopropyltoluene

Concen: 50.744 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

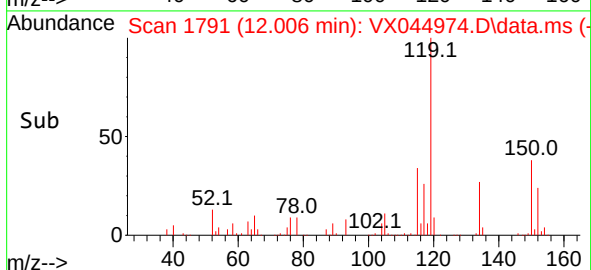
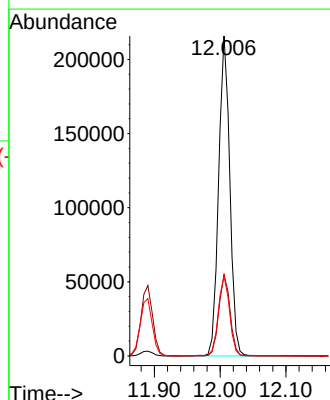
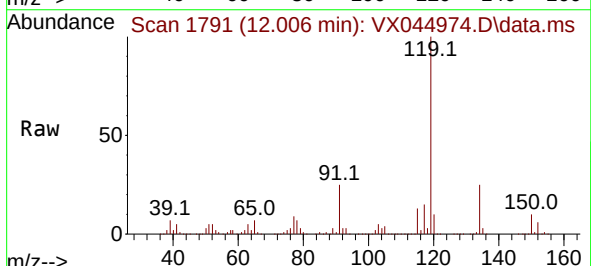
Tgt Ion:119 Resp: 254468

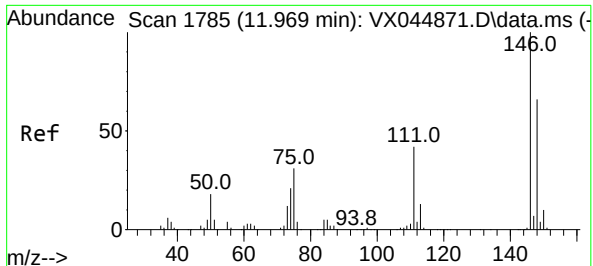
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.069 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 128049

Ion Ratio Lower Upper

146 100

111 41.6 21.2 63.6

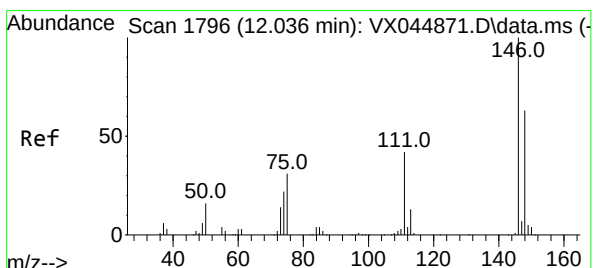
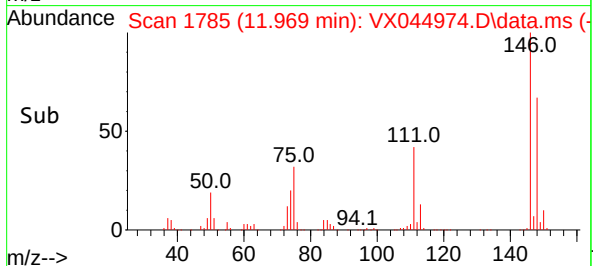
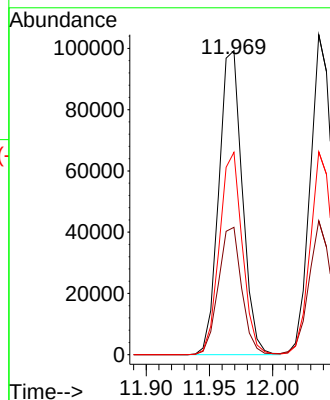
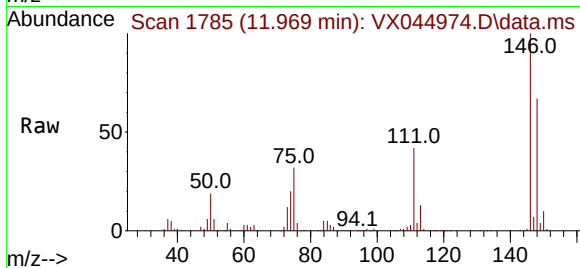
148 64.9 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#88

1,4-Dichlorobenzene

Concen: 49.676 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

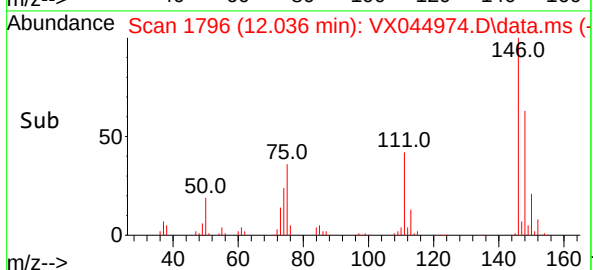
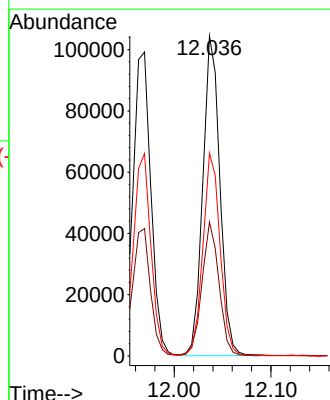
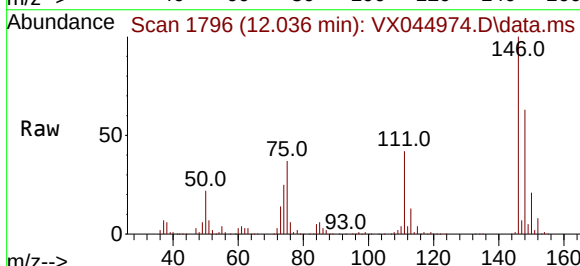
Tgt Ion:146 Resp: 128451

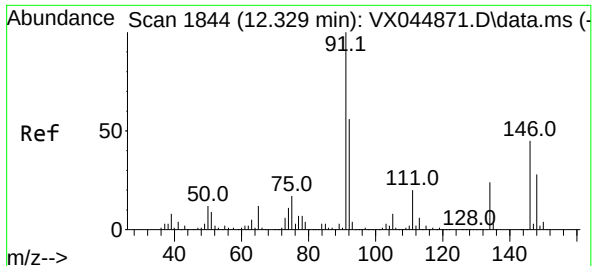
Ion Ratio Lower Upper

146 100

111 41.9 20.4 61.3

148 63.8 32.0 96.0





#89

n-Butylbenzene

Concen: 55.263 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 24517

Ion Ratio Lower Upper

91 100

92 53.5 27.2 81.6

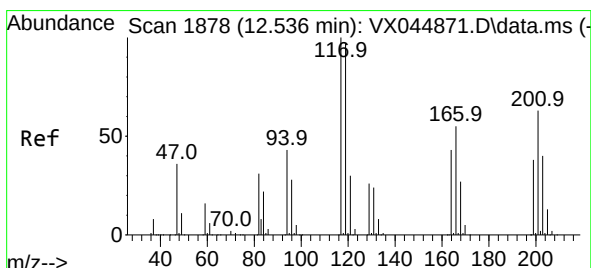
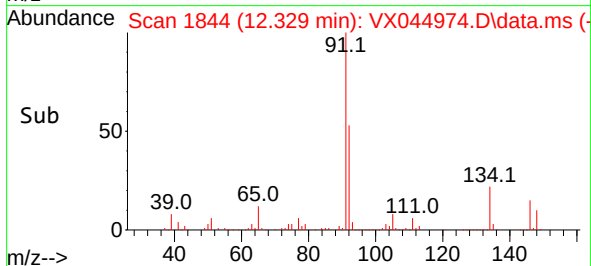
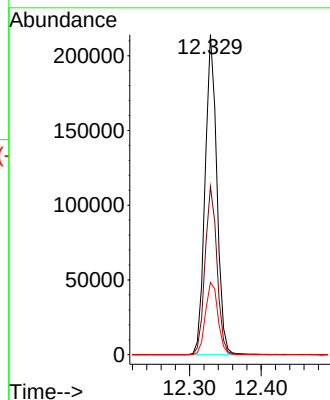
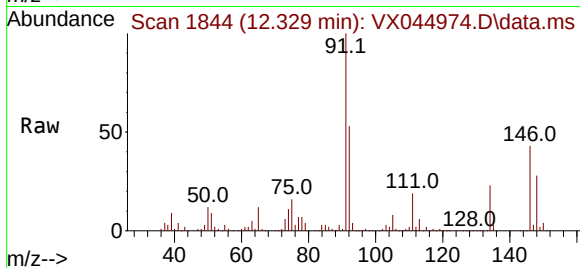
134 24.0 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#90

Hexachloroethane

Concen: 47.620 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044974.D

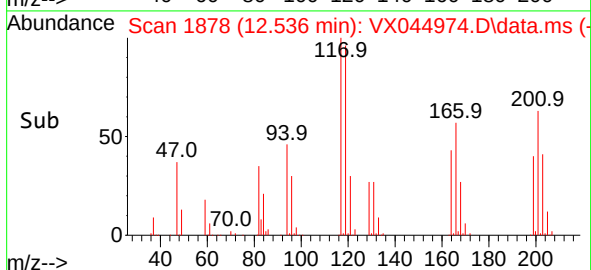
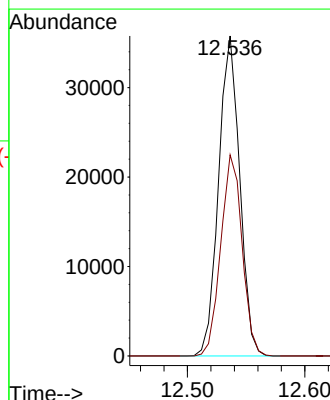
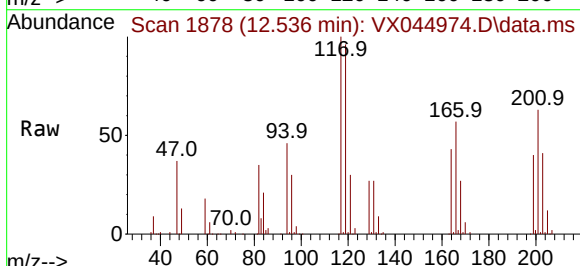
Acq: 14 Feb 2025 20:06

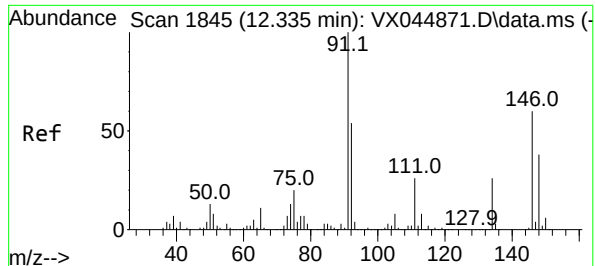
Tgt Ion:117 Resp: 44714

Ion Ratio Lower Upper

117 100

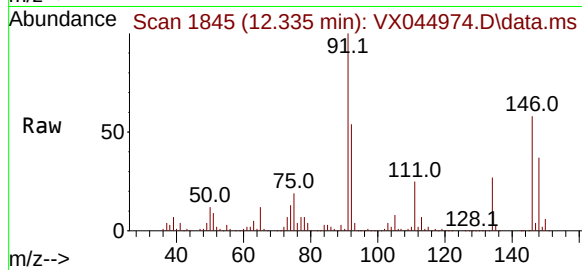
201 63.7 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 50.877 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

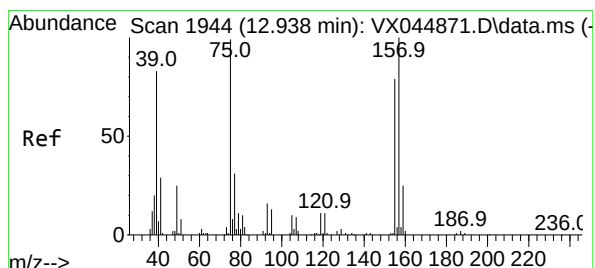
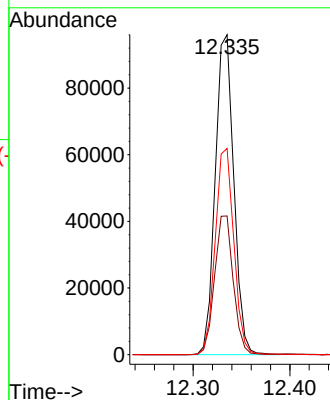
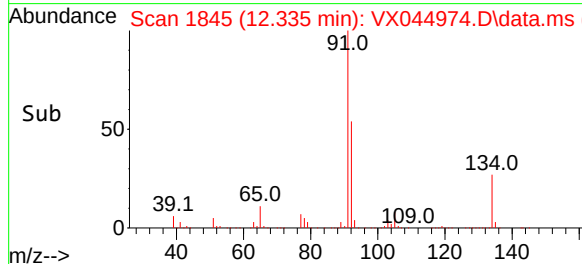
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:146 Resp: 127878
Ion Ratio Lower Upper
146 100
111 43.8 21.8 65.4
148 64.8 31.9 95.9

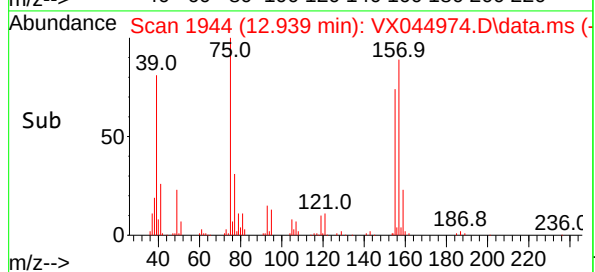
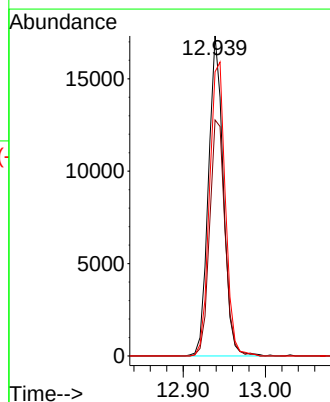
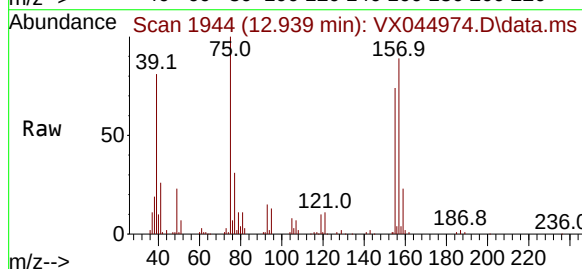
Manual Integrations
APPROVED

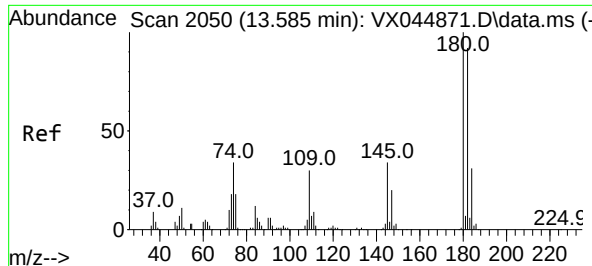
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 56.476 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 75 Resp: 21727
Ion Ratio Lower Upper
75 100
155 76.7 40.5 121.4
157 97.9 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 53.901 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

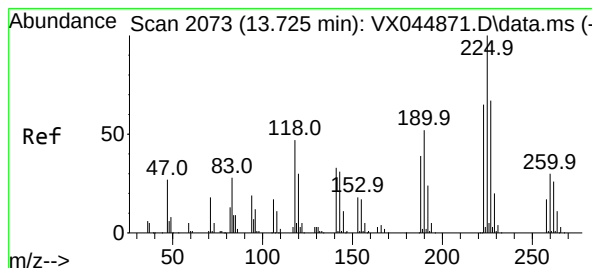
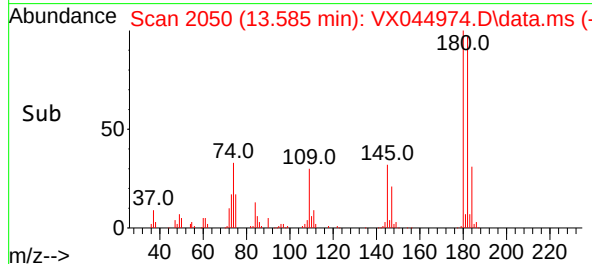
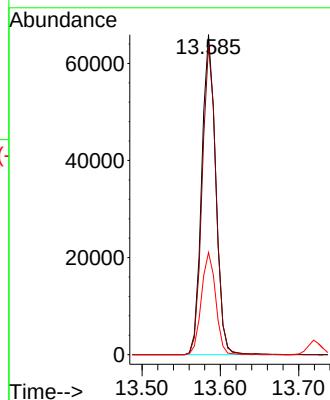
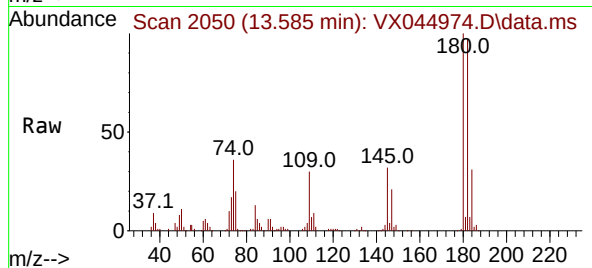
Tgt Ion:	180	Resp:	81980
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.8
145	32.5	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#94

Hexachlorobutadiene

Concen: 52.471 ug/l

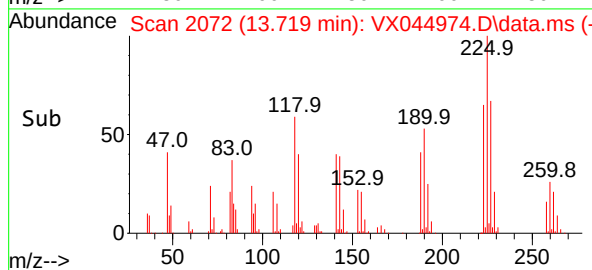
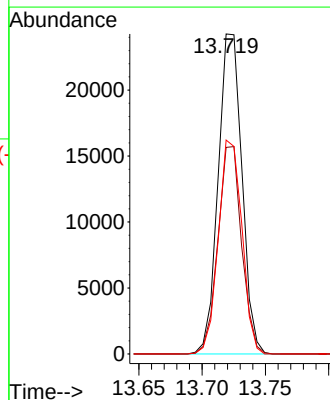
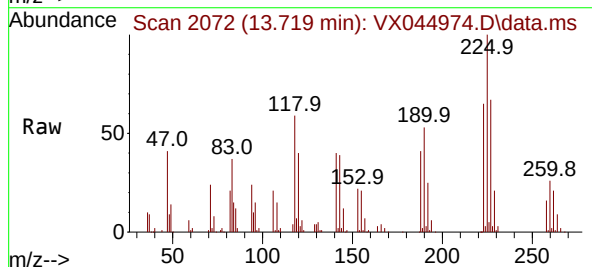
RT: 13.719 min Scan# 2072

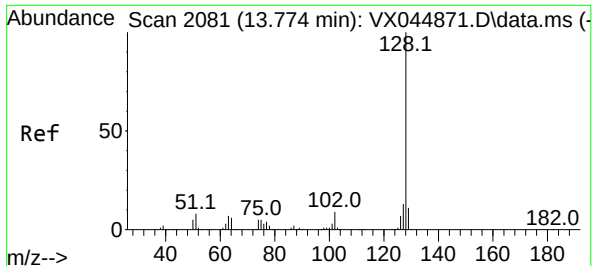
Delta R.T. -0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion:	225	Resp:	31681
Ion Ratio	Lower	Upper	
225	100		
223	64.7	31.4	94.2
227	66.0	32.3	96.8





#95

Naphthalene

Concen: 53.406 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

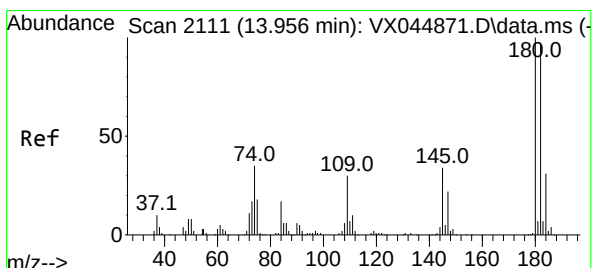
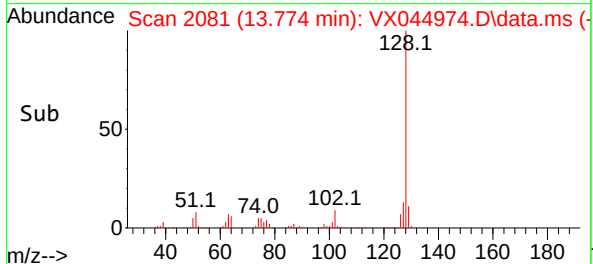
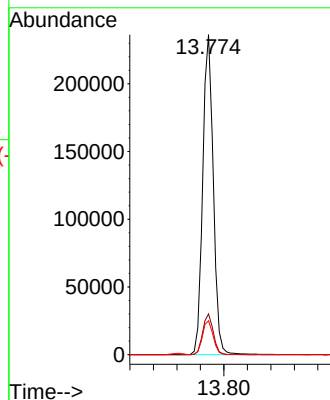
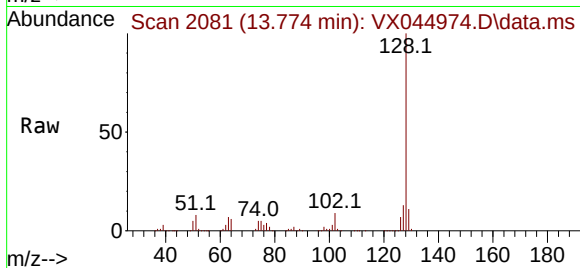
VSTDCCC050EC

Tgt Ion:	128	Resp:	293624
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.7	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.463 ug/l

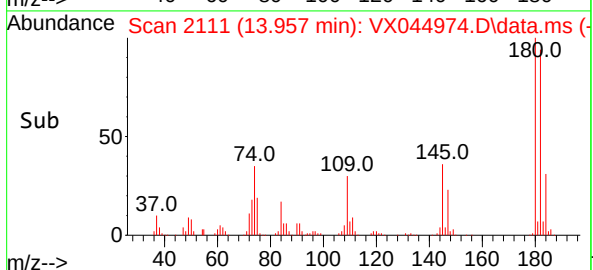
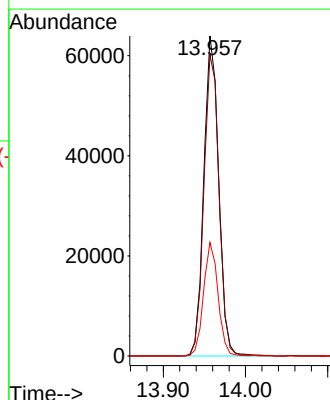
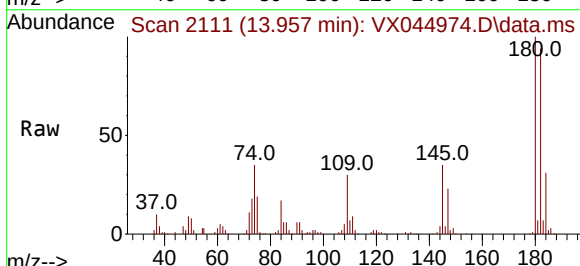
RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Tgt Ion:	180	Resp:	80402
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.6
145	34.6	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	74	0.00
2 T	Dichlorodifluoromethane	0.701	0.706	-0.7	74	0.00
3 P	Chloromethane	0.854	0.843	1.3	74	0.00
4 C	Vinyl Chloride	0.827	0.791	4.4#	72	0.00
5 T	Bromomethane	0.247	0.344	-39.3#	102	0.00
6 T	Chloroethane	0.307	0.461	-50.2#	100	0.01
7 T	Trichlorofluoromethane	1.046	1.106	-5.7	79	0.00
8 T	Diethyl Ether	0.379	0.404	-6.6	79	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.617	2.4	73	0.00
10 T	Methyl Iodide	0.819	0.868	-6.0	76	0.00
11 T	Tert butyl alcohol	0.136	0.173	-27.2#	94	-0.02
12 CM	1,1-Dichloroethene	0.644	0.650	-0.9#	76	0.00
13 T	Acrolein	0.140	0.155	-10.7	81	0.00
14 T	Allyl chloride	1.165	1.226	-5.2	78	0.00
15 T	Acrylonitrile	0.363	0.421	-16.0	82	0.00
16 T	Acetone	0.294	0.359	-22.1	90	0.00
17 T	Carbon Disulfide	1.767	1.674	5.3	70	0.00
18 T	Methyl Acetate	0.928	1.085	-16.9	85	0.00
19 T	Methyl tert-butyl Ether	2.050	2.224	-8.5	80	0.00
20 T	Methylene Chloride	0.721	0.748	-3.7	78	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.651	-2.7	75	0.00
22 T	Diisopropyl ether	2.203	2.433	-10.4	80	0.00
23 T	Vinyl Acetate	1.796	2.035	-13.3	81	0.00
24 P	1,1-Dichloroethane	1.233	1.321	-7.1	79	0.00
25 T	2-Butanone	0.478	0.578	-20.9	84	0.00
26 T	2,2-Dichloropropane	0.978	0.902	7.8	70	0.00
27 T	cis-1,2-Dichloroethene	0.762	0.803	-5.4	78	0.00
28 T	Bromochloromethane	0.593	0.552	6.9	70	0.00
29 T	Tetrahydrofuran	0.317	0.378	-19.2	85	0.00
30 C	Chloroform	1.196	1.296	-8.4#	82	0.00
31 T	Cyclohexane	1.137	1.103	3.0	73	0.00
32 T	1,1,1-Trichloroethane	1.014	1.079	-6.4	79	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.698	4.6	71	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
35 S	Dibromofluoromethane	0.325	0.301	7.4	69	0.00
36 T	1,1-Dichloropropene	0.469	0.483	-3.0	77	0.00
37 T	Ethyl Acetate	0.522	0.594	-13.8	83	0.00
38 T	Carbon Tetrachloride	0.460	0.487	-5.9	79	0.00
39 T	Methylcyclohexane	0.606	0.598	1.3	71	0.00
40 TM	Benzene	1.465	1.543	-5.3	77	0.00
41 T	Methacrylonitrile	0.279	0.349	-25.1#	85	0.00
42 TM	1,2-Dichloroethane	0.467	0.534	-14.3	83	0.00
43 T	Isopropyl Acetate	0.842	0.973	-15.6	82	0.00
44 TM	Trichloroethene	0.335	0.359	-7.2	79	0.00
45 C	1,2-Dichloropropane	0.364	0.398	-9.3#	80	0.00
46 T	Dibromomethane	0.253	0.283	-11.9	81	0.00
47 T	Bromodichloromethane	0.489	0.560	-14.5	82	0.00
48 T	Methyl methacrylate	0.397	0.479	-20.7	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.011	-22.2	89	0.00
50 S	Toluene-d8	1.229	1.100	10.5	65	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.633	-23.6	84	0.00
52 CM	Toluene	0.872	0.928	-6.4#	76	0.00
53 T	t-1,3-Dichloropropene	0.495	0.551	-11.3	79	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.604	-9.4	77	0.00
55 T	1,1,2-Trichloroethane	0.335	0.374	-11.6	80	0.00
56 T	Ethyl methacrylate	0.542	0.619	-14.2	79	0.00
57 T	1,3-Dichloropropane	0.587	0.647	-10.2	78	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.288	-8.3	73	0.00
59 T	2-Hexanone	0.369	0.479	-29.8#	87	0.00
60 T	Dibromochloromethane	0.359	0.410	-14.2	81	0.00
61 T	1,2-Dibromoethane	0.340	0.382	-12.4	80	0.00
62 S	4-Bromofluorobenzene	0.414	0.407	1.7	69	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64 T	Tetrachloroethene	0.315	0.320	-1.6	77	0.00
65 PM	Chlorobenzene	1.074	1.141	-6.2	78	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.376	-8.7	80	0.00
67 C	Ethyl Benzene	1.895	2.011	-6.1#	78	0.00
68 T	m/p-Xylenes	0.699	0.741	-6.0	77	0.00
69 T	o-Xylene	0.701	0.735	-4.9	78	0.00
70 T	Styrene	1.130	1.247	-10.4	78	0.00
71 P	Bromoform	0.258	0.302	-17.1	81	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
73 T	Isopropylbenzene	4.026	3.800	5.6	77	0.00
74 T	N-amyl acetate	1.822	1.942	-6.6	84	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.364	1.4	82	0.00
76 T	1,2,3-Trichloropropane	1.109	1.149	-3.6	85	0.00
77 T	Bromobenzene	0.913	0.907	0.7	82	0.00
78 T	n-propylbenzene	4.647	4.561	1.9	79	0.00
79 T	2-Chlorotoluene	2.856	2.729	4.4	79	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.167	3.1	78	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.389	9.7	73	0.00
82 T	4-Chlorotoluene	3.160	3.107	1.7	80	0.00
83 T	tert-Butylbenzene	3.305	3.218	2.6	80	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.227	-0.1	79	0.00
85 T	sec-Butylbenzene	4.093	4.055	0.9	80	0.00
86 T	p-Isopropyltoluene	3.291	3.340	-1.5	81	0.00
87 T	1,3-Dichlorobenzene	1.678	1.681	-0.2	82	0.00
88 T	1,4-Dichlorobenzene	1.697	1.686	0.6	82	0.00
89 T	n-Butylbenzene	2.912	3.218	-10.5	85	0.00
90 T	Hexachloroethane	0.616	0.587	4.7	79	0.00
91 T	1,2-Dichlorobenzene	1.650	1.679	-1.8	83	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.285	-13.1	91	0.00
93 T	1,2,4-Trichlorobenzene	0.998	1.076	-7.8	87	0.00
94 T	Hexachlorobutadiene	0.396	0.416	-5.1	89	0.00
95 T	Naphthalene	3.608	3.854	-6.8	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.055	-4.9	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	74	0.00
2 T	Dichlorodifluoromethane	50.000	50.338	-0.7	74	0.00
3 P	Chloromethane	50.000	49.377	1.2	74	0.00
4 C	Vinyl Chloride	50.000	47.840	4.3#	72	0.00
5 T	Bromomethane	50.000	69.475	-38.9#	102	0.00
6 T	Chloroethane	50.000	83.535	-67.1#	100	0.01
7 T	Trichlorofluoromethane	50.000	52.899	-5.8	79	0.00
8 T	Diethyl Ether	50.000	53.242	-6.5	79	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.807	2.4	73	0.00
10 T	Methyl Iodide	50.000	52.978	-6.0	76	0.00
11 T	Tert butyl alcohol	250.000	318.831	-27.5#	94	-0.02
12 CM	1,1-Dichloroethene	50.000	50.395	-0.8#	76	0.00
13 T	Acrolein	250.000	277.291	-10.9	81	0.00
14 T	Allyl chloride	50.000	52.634	-5.3	78	0.00
15 T	Acrylonitrile	250.000	290.127	-16.1	82	0.00
16 T	Acetone	250.000	305.420	-22.2	90	0.00
17 T	Carbon Disulfide	50.000	47.360	5.3	70	0.00
18 T	Methyl Acetate	50.000	58.441	-16.9	85	0.00
19 T	Methyl tert-butyl Ether	50.000	54.234	-8.5	80	0.00
20 T	Methylene Chloride	50.000	51.883	-3.8	78	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.325	-2.7	75	0.00
22 T	Diisopropyl ether	50.000	55.202	-10.4	80	0.00
23 T	Vinyl Acetate	250.000	283.261	-13.3	81	0.00
24 P	1,1-Dichloroethane	50.000	53.588	-7.2	79	0.00
25 T	2-Butanone	250.000	302.246	-20.9	84	0.00
26 T	2,2-Dichloropropane	50.000	46.148	7.7	70	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.676	-5.4	78	0.00
28 T	Bromochloromethane	50.000	46.604	6.8	70	0.00
29 T	Tetrahydrofuran	250.000	297.864	-19.1	85	0.00
30 C	Chloroform	50.000	54.189	-8.4#	82	0.00
31 T	Cyclohexane	50.000	48.520	3.0	73	0.00
32 T	1,1,1-Trichloroethane	50.000	53.209	-6.4	79	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.661	4.7	71	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	73	0.00
35 S	Dibromofluoromethane	50.000	46.286	7.4	69	0.00
36 T	1,1-Dichloropropene	50.000	51.452	-2.9	77	0.00
37 T	Ethyl Acetate	50.000	56.903	-13.8	83	0.00
38 T	Carbon Tetrachloride	50.000	52.993	-6.0	79	0.00
39 T	Methylcyclohexane	50.000	49.315	1.4	71	0.00
40 TM	Benzene	50.000	52.680	-5.4	77	0.00
41 T	Methacrylonitrile	50.000	62.407	-24.8	85	0.00
42 TM	1,2-Dichloroethane	50.000	57.228	-14.5	83	0.00
43 T	Isopropyl Acetate	50.000	57.723	-15.4	82	0.00
44 TM	Trichloroethene	50.000	53.693	-7.4	79	0.00
45 C	1,2-Dichloropropane	50.000	54.668	-9.3#	80	0.00
46 T	Dibromomethane	50.000	55.940	-11.9	81	0.00
47 T	Bromodichloromethane	50.000	57.216	-14.4	82	0.00
48 T	Methyl methacrylate	50.000	60.311	-20.6	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1276.524	-27.7#	89	0.00
50 S	Toluene-d8	50.000	44.728	10.5	65	0.00
51 T	4-Methyl-2-Pentanone	250.000	309.071	-23.6	84	0.00
52 CM	Toluene	50.000	53.206	-6.4#	76	0.00
53 T	t-1,3-Dichloropropene	50.000	55.632	-11.3	79	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.707	-9.4	77	0.00
55 T	1,1,2-Trichloroethane	50.000	55.708	-11.4	80	0.00
56 T	Ethyl methacrylate	50.000	57.122	-14.2	79	0.00
57 T	1,3-Dichloropropane	50.000	55.110	-10.2	78	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	270.450	-8.2	73	0.00
59 T	2-Hexanone	250.000	324.260	-29.7#	87	0.00
60 T	Dibromochloromethane	50.000	57.145	-14.3	81	0.00
61 T	1,2-Dibromoethane	50.000	56.187	-12.4	80	0.00
62 S	4-Bromofluorobenzene	50.000	49.160	1.7	69	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64 T	Tetrachloroethene	50.000	50.766	-1.5	77	0.00
65 PM	Chlorobenzene	50.000	53.124	-6.2	78	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.322	-8.6	80	0.00
67 C	Ethyl Benzene	50.000	53.064	-6.1#	78	0.00
68 T	m/p-Xylenes	100.000	105.988	-6.0	77	0.00
69 T	o-Xylene	50.000	52.414	-4.8	78	0.00
70 T	Styrene	50.000	55.172	-10.3	78	0.00
71 P	Bromoform	50.000	58.514	-17.0	81	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	82	0.00
73 T	Isopropylbenzene	50.000	47.192	5.6	77	0.00
74 T	N-amyl acetate	50.000	53.307	-6.6	84	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.296	1.4	82	0.00
76 T	1,2,3-Trichloropropane	50.000	51.817	-3.6	85	0.00
77 T	Bromobenzene	50.000	49.693	0.6	82	0.00
78 T	n-propylbenzene	50.000	49.081	1.8	79	0.00
79 T	2-Chlorotoluene	50.000	47.769	4.5	79	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.466	3.1	78	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.155	9.7	73	0.00
82 T	4-Chlorotoluene	50.000	49.168	1.7	80	0.00
83 T	tert-Butylbenzene	50.000	48.679	2.6	80	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.037	-0.1	79	0.00
85 T	sec-Butylbenzene	50.000	49.539	0.9	80	0.00
86 T	p-Isopropyltoluene	50.000	50.744	-1.5	81	0.00
87 T	1,3-Dichlorobenzene	50.000	50.069	-0.1	82	0.00
88 T	1,4-Dichlorobenzene	50.000	49.676	0.6	82	0.00
89 T	n-Butylbenzene	50.000	55.263	-10.5	85	0.00
90 T	Hexachloroethane	50.000	47.620	4.8	79	0.00
91 T	1,2-Dichlorobenzene	50.000	50.877	-1.8	83	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	56.476	-13.0	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.901	-7.8	87	0.00
94 T	Hexachlorobutadiene	50.000	52.471	-4.9	89	0.00
95 T	Naphthalene	50.000	53.406	-6.8	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.463	-4.9	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

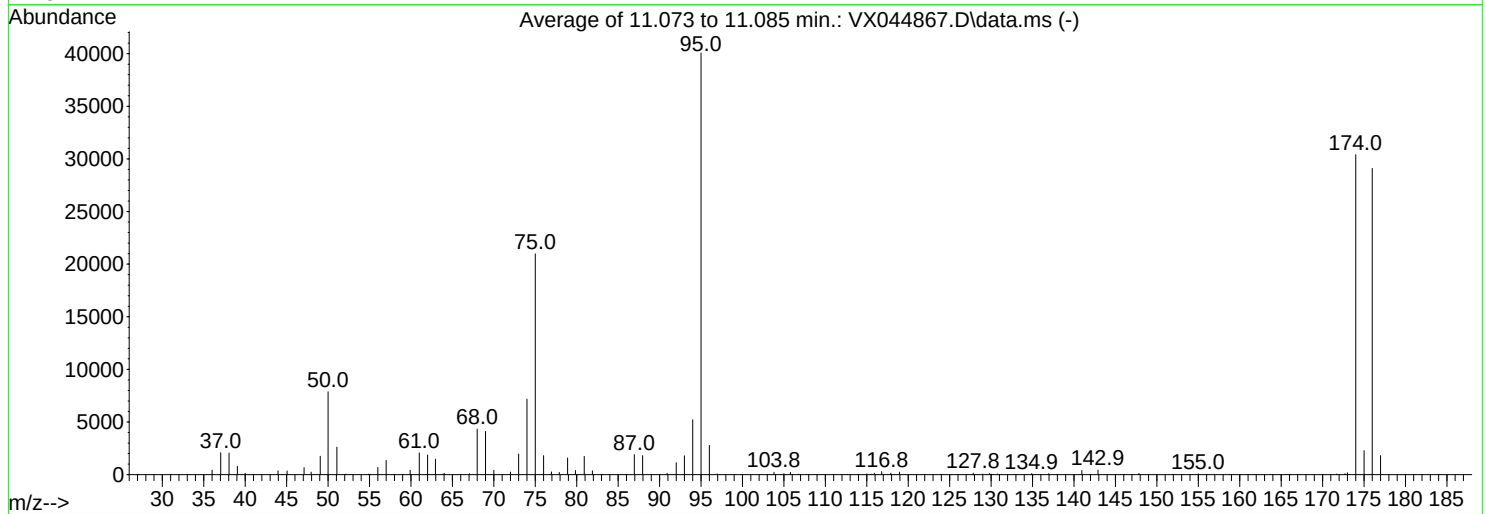
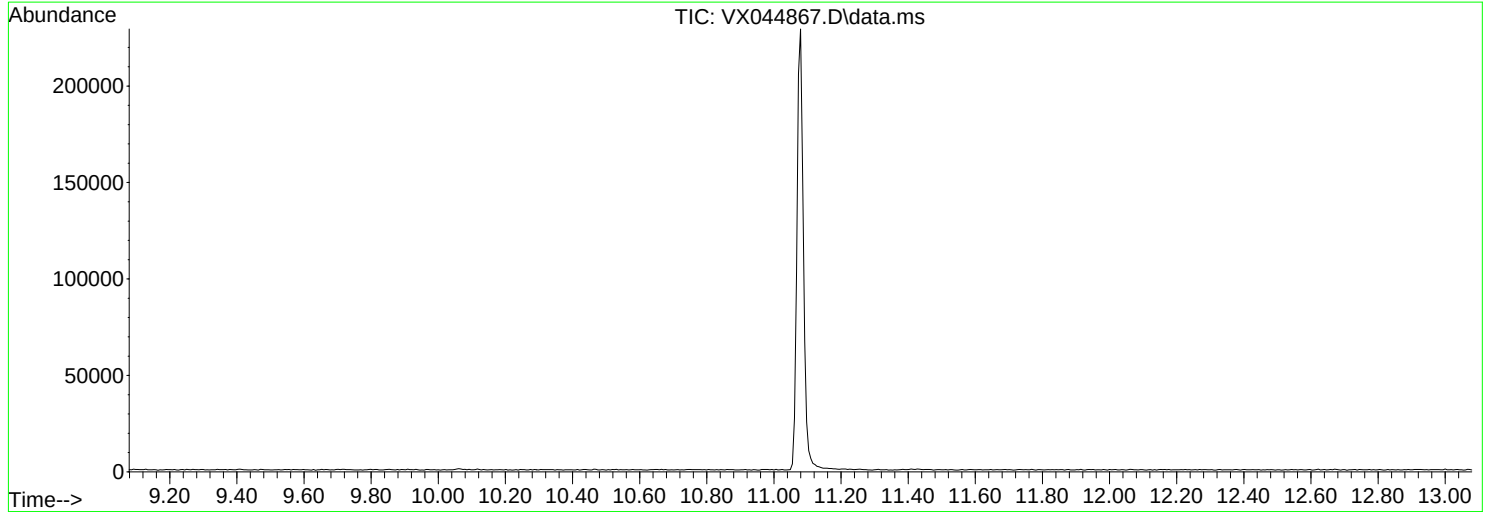
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- 2
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- 16
- 17
- 18

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044867.D
Acq On : 10 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

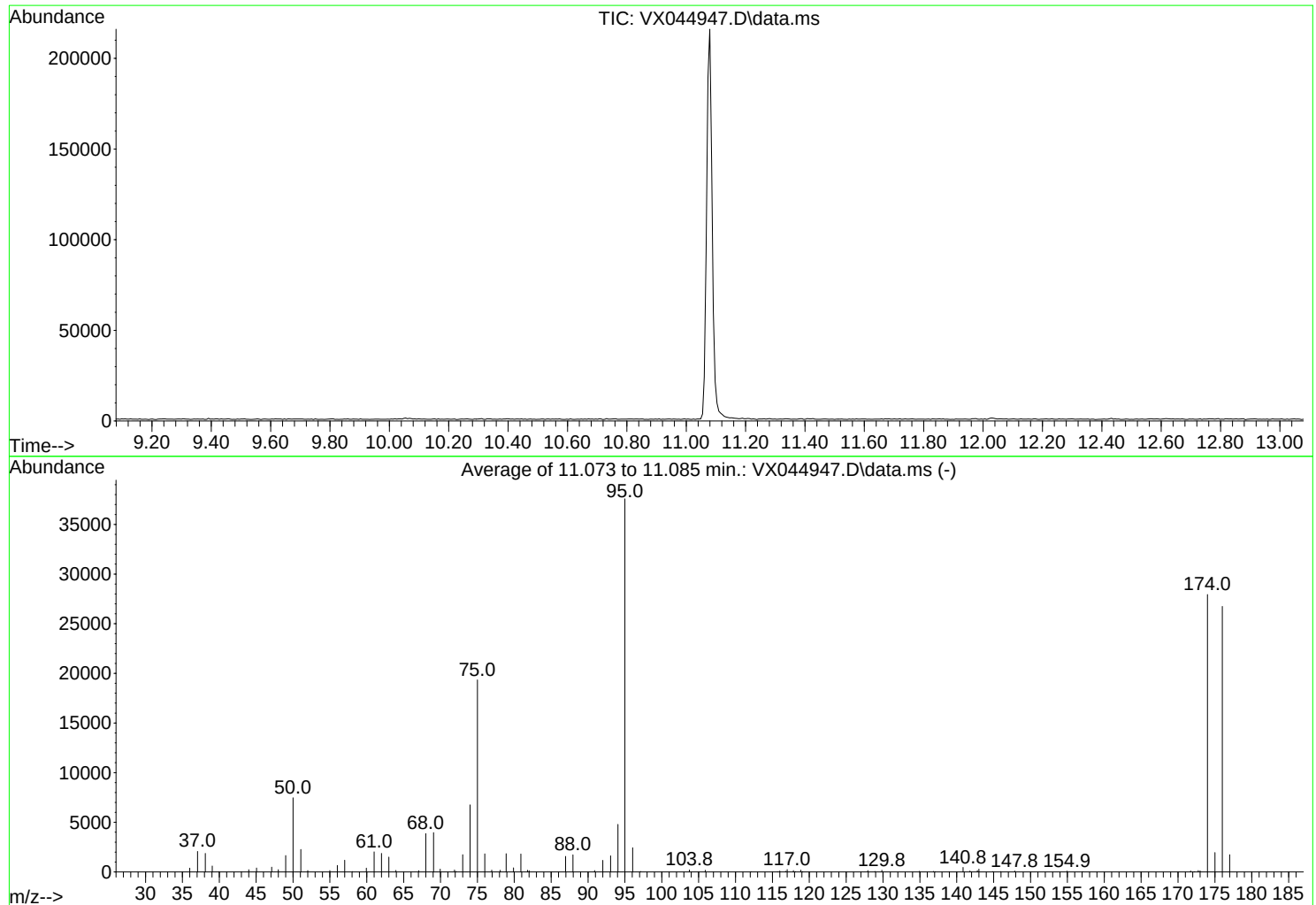
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044947.D
Acq On : 14 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.9	7474	PASS
75	95	30	60	51.5	19351	PASS
95	95	100	100	100.0	37579	PASS
96	95	5	9	6.5	2435	PASS
173	174	0.00	2	0.5	150	PASS
174	95	50	100	74.3	27939	PASS
175	174	5	9	7.0	1953	PASS
176	174	95	101	95.7	26739	PASS
177	176	5	9	6.5	1738	PASS

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0214WBL01	SDG No.:	Q1352
Lab Sample ID:	VX0214WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044950.D	1		02/14/25 10:51	VX021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		81 - 118		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	79200	5.544				
540-36-3	1,4-Difluorobenzene	161000	6.757				
3114-55-4	Chlorobenzene-d5	146000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	59200	12.018				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044950.D
Acq On : 14 Feb 2025 10:51
Operator : JC/MD
Sample : VX0214WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBL01

Quant Time: Feb 14 22:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	79162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59196	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63986	55.218	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.440%
35) Dibromofluoromethane	5.379	113	54109	51.691	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.380%
50) Toluene-d8	8.647	98	200707	50.706	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.420%
62) 4-Bromofluorobenzene	11.079	95	67459	50.553	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.100%

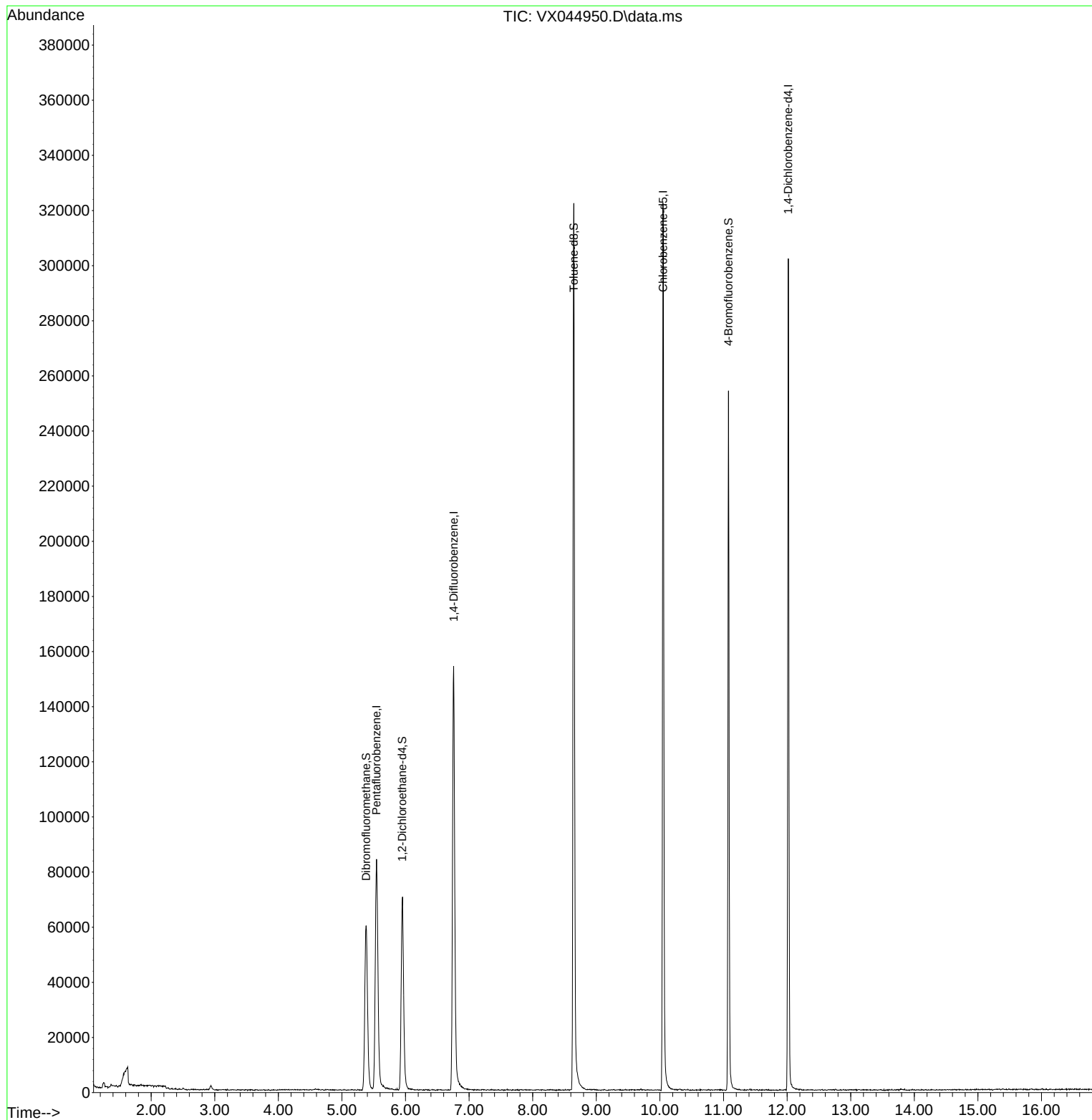
Target Compounds	Qvalue
------------------	--------

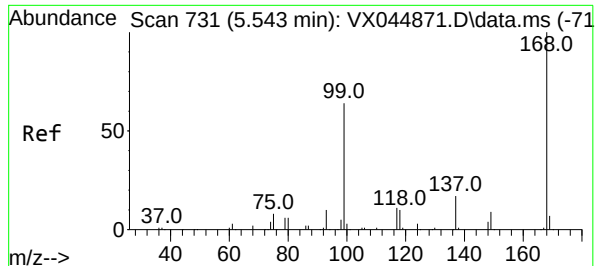
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044950.D
Acq On : 14 Feb 2025 10:51
Operator : JC/MD
Sample : VX0214WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBL01

Quant Time: Feb 14 22:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

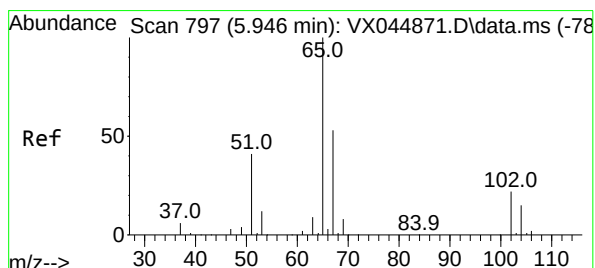
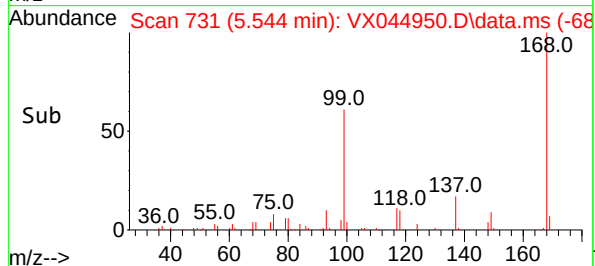
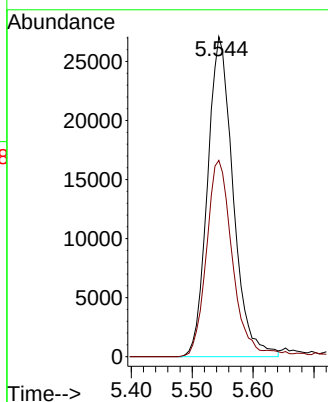
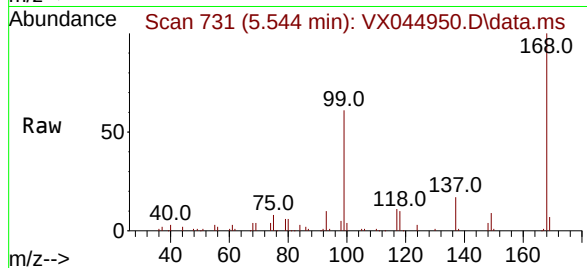
VX0214WBL01

Tgt Ion:168 Resp: 79162

Ion Ratio Lower Upper

168 100

99 61.3 51.2 76.8



#33

1,2-Dichloroethane-d4

Concen: 55.218 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044950.D

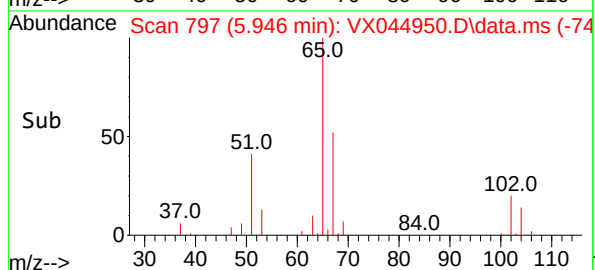
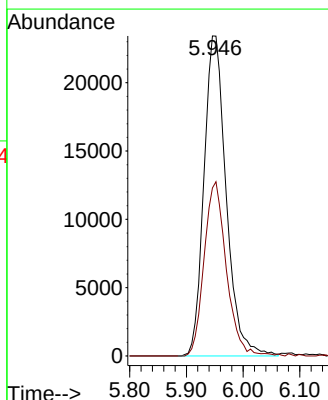
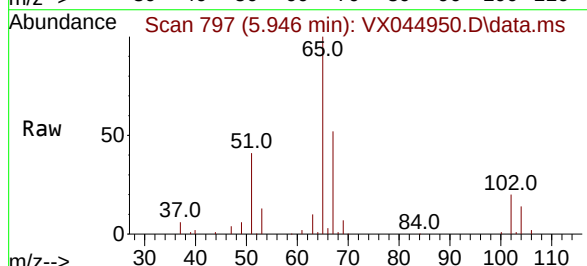
Acq: 14 Feb 2025 10:51

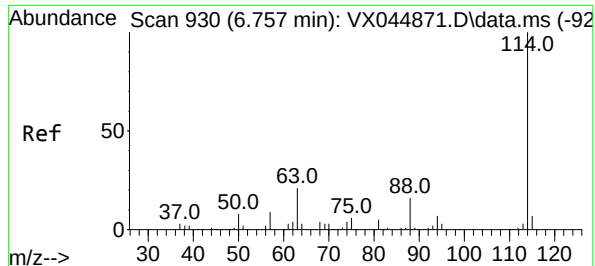
Tgt Ion: 65 Resp: 63986

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBL01

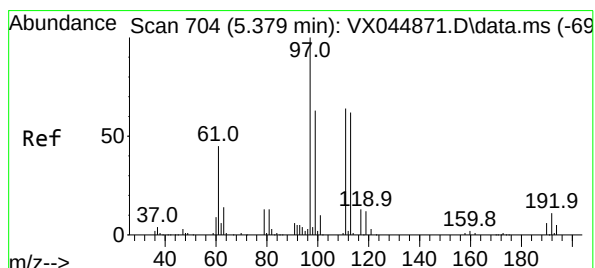
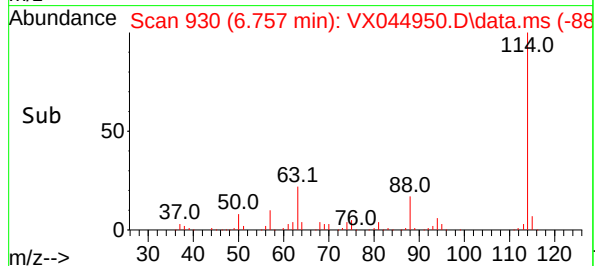
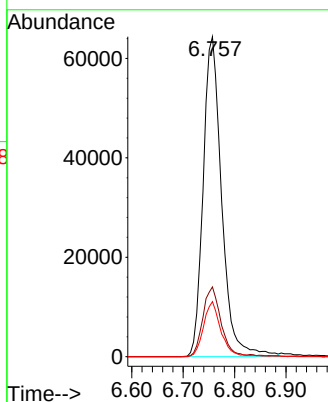
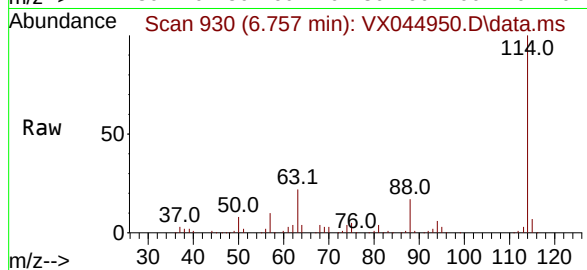
Tgt Ion:114 Resp: 161000

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 17.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.691 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

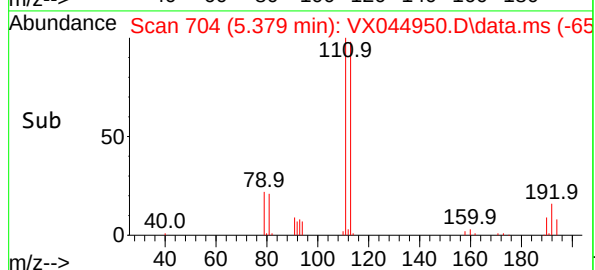
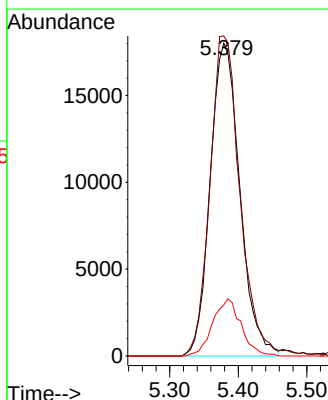
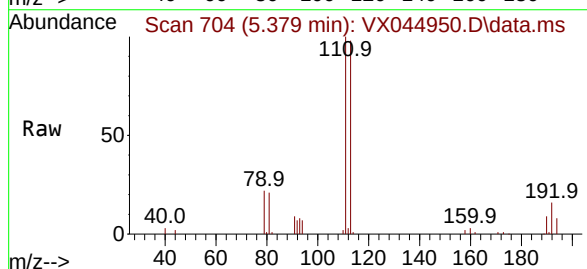
Tgt Ion:113 Resp: 54109

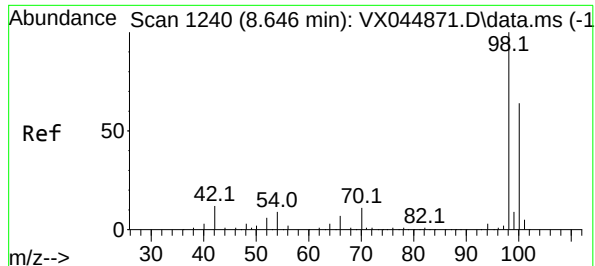
Ion Ratio Lower Upper

113 100

111 103.6 83.5 125.3

192 17.5 14.4 21.6





#50

Toluene-d8

Concen: 50.706 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

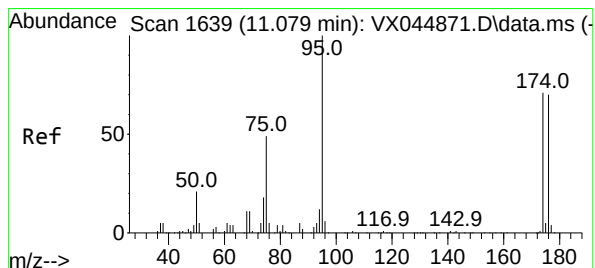
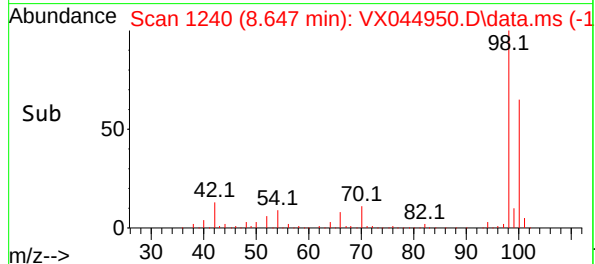
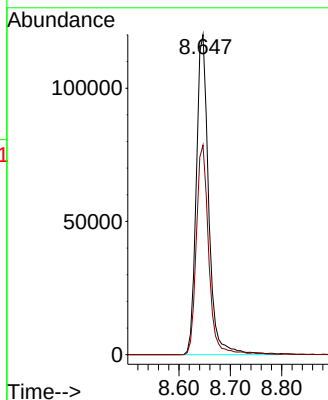
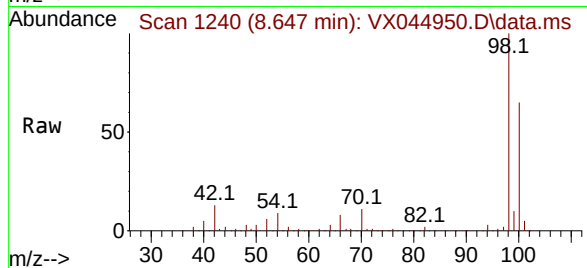
VX0214WBL01

Tgt Ion: 98 Resp: 200707

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 50.553 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

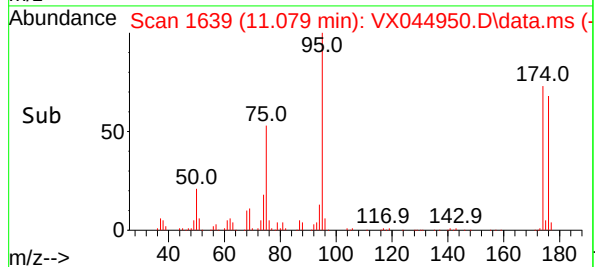
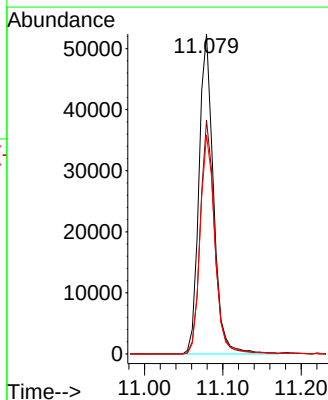
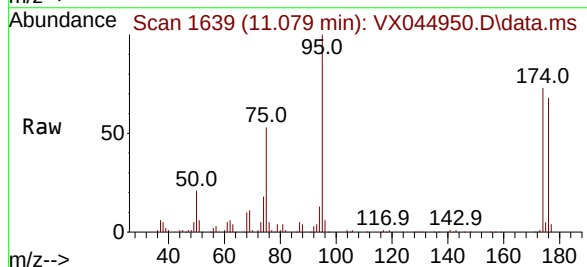
Tgt Ion: 95 Resp: 67459

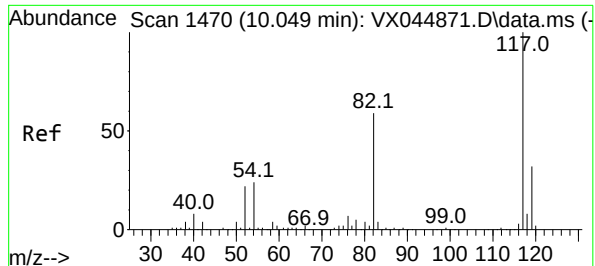
Ion Ratio Lower Upper

95 100

174 72.3 0.0 142.6

176 69.9 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBL01

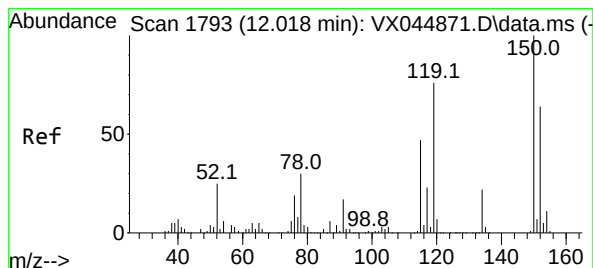
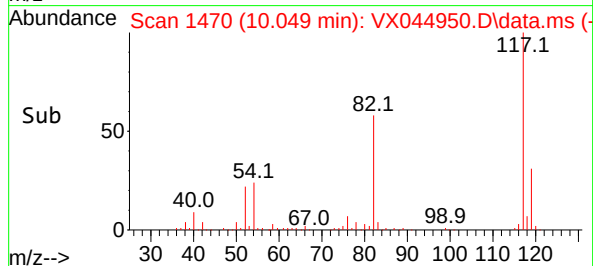
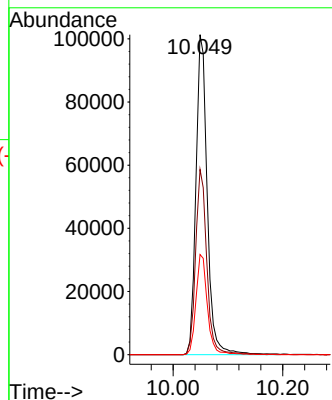
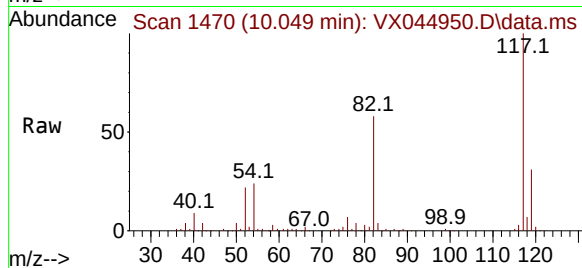
Tgt Ion:117 Resp: 145614

Ion Ratio Lower Upper

117 100

82 57.9 47.5 71.3

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

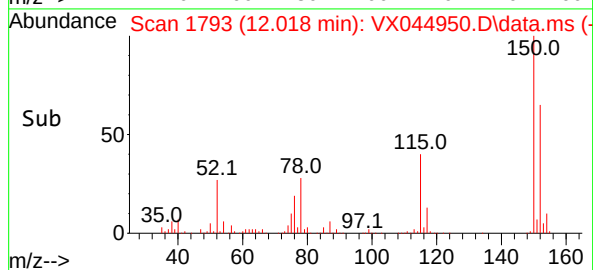
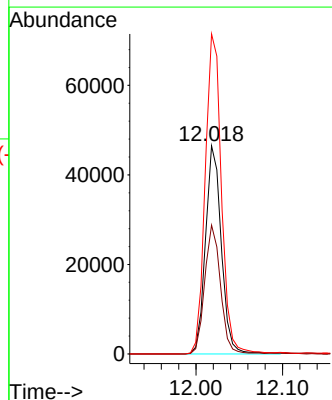
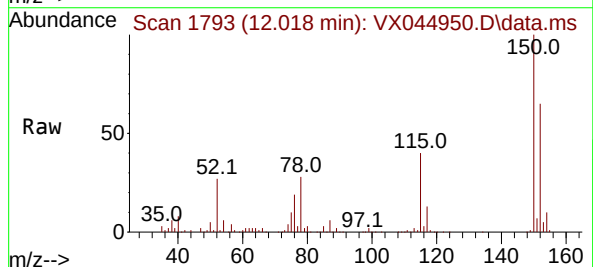
Tgt Ion:152 Resp: 59196

Ion Ratio Lower Upper

152 100

115 62.1 43.4 130.1

150 156.7 0.0 350.4



Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0214WBS01	SDG No.:	Q1352
Lab Sample ID:	VX0214WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044951.D	1		02/14/25 11:14	VX021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	18.3		0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.2		0.25	0.50	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	0.50	1.00	ug/L
71-43-2	Benzene	20.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	21.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.544				
540-36-3	1,4-Difluorobenzene	196000	6.757				
3114-55-4	Chlorobenzene-d5	172000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	79800	12.018				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044951.D
 Acq On : 14 Feb 2025 11:14
 Operator : JC/MD
 Sample : VX0214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Quant Time: Feb 14 22:11:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	109167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	195743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79806	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	81048	50.718	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.440%	
35) Dibromofluoromethane	5.379	113	65054	51.117	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.240%	
50) Toluene-d8	8.647	98	239351	49.736	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	11.079	95	83506	51.472	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.940%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	30493	19.916	ug/l	96
3) Chloromethane	1.300	50	35876	19.252	ug/l	98
4) Vinyl Chloride	1.374	62	32947	18.250	ug/l	99
5) Bromomethane	1.593	94	12665	23.444	ug/l	95
6) Chloroethane	1.672	64	18270	24.073	ug/l	98
7) Trichlorofluoromethane	1.880	101	46110	20.197	ug/l	96
8) Diethyl Ether	2.130	74	16287	19.671	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	27143	19.677	ug/l	98
10) Methyl Iodide	2.447	142	35949	20.109	ug/l	98
11) Tert butyl alcohol	2.971	59	29984	101.141	ug/l	98
12) 1,1-Dichloroethene	2.312	96	26636	18.930	ug/l	97
13) Acrolein	2.233	56	32589	106.546	ug/l	98
14) Allyl chloride	2.660	41	48808	19.193	ug/l	97
15) Acrylonitrile	3.062	53	83287	105.222	ug/l	100
16) Acetone	2.380	43	69215	107.742	ug/l	99
17) Carbon Disulfide	2.508	76	65690	17.025	ug/l	97
18) Methyl Acetate	2.703	43	43622	21.518	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	88083	19.675	ug/l	99
20) Methylene Chloride	2.782	84	30381	19.308	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	25933	18.726	ug/l	92
22) Diisopropyl ether	3.757	45	97720	20.312	ug/l	92
23) Vinyl Acetate	3.715	43	389140	99.216	ug/l	98
24) 1,1-Dichloroethane	3.605	63	53879	20.015	ug/l	99
25) 2-Butanone	4.550	43	111260	106.657	ug/l	96
26) 2,2-Dichloropropane	4.464	77	40129	18.798	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	32961	19.815	ug/l	98
28) Bromochloromethane	4.897	49	23212	17.943	ug/l	99
29) Tetrahydrofuran	5.001	42	72346	104.443	ug/l	99
30) Chloroform	5.086	83	53725	20.580	ug/l	98
31) Cyclohexane	5.464	56	46821	18.867	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	43492	19.641	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35991	19.602	ug/l	100
37) Ethyl Acetate	4.714	43	41720	20.428	ug/l	100
38) Carbon Tetrachloride	5.672	117	36299	20.174	ug/l	96
39) Methylcyclohexane	7.372	83	46927	19.769	ug/l	98
40) Benzene	6.031	78	114429	19.958	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044951.D
 Acq On : 14 Feb 2025 11:14
 Operator : JC/MD
 Sample : VX0214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Quant Time: Feb 14 22:11:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	23705	21.685	ug/l	100
42) 1,2-Dichloroethane	6.080	62	39785	21.773	ug/l	99
43) Isopropyl Acetate	6.336	43	67687	20.524	ug/l	98
44) Trichloroethene	7.123	130	25978	19.823	ug/l	99
45) 1,2-Dichloropropane	7.427	63	28734	20.145	ug/l	96
46) Dibromomethane	7.580	93	20163	20.383	ug/l	98
47) Bromodichloromethane	7.818	83	40024	20.896	ug/l	97
48) Methyl methacrylate	7.690	41	32249	20.739	ug/l	98
49) 1,4-Dioxane	7.659	88	14784	443.128	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	225966	112.703	ug/l	97
52) Toluene	8.714	92	69748	20.427	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	37169	19.176	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	43416	20.090	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	27886	21.245	ug/l	98
56) Ethyl methacrylate	9.116	69	42444	20.021	ug/l	98
57) 1,3-Dichloropropane	9.305	76	47815	20.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	107373	103.151	ug/l	100
59) 2-Hexanone	9.427	43	166655	115.365	ug/l	97
60) Dibromochloromethane	9.518	129	29087	20.721	ug/l	98
61) 1,2-Dibromoethane	9.604	107	28155	21.163	ug/l	97
64) Tetrachloroethene	9.268	164	22728	20.951	ug/l	96
65) Chlorobenzene	10.079	112	74635	20.200	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	23206	19.514	ug/l	95
67) Ethyl Benzene	10.189	91	131698	20.199	ug/l	99
68) m/p-Xylenes	10.299	106	98883	41.113	ug/l	100
69) o-Xylene	10.640	106	48694	20.177	ug/l	100
70) Styrene	10.652	104	81730	21.020	ug/l	100
71) Bromoform	10.799	173	18416	20.750	ug/l #	100
73) Isopropylbenzene	10.957	105	124187	19.326	ug/l	99
74) N-amyl acetate	10.841	43	57217	19.677	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	44116	19.979	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	36103m	20.404	ug/l	
77) Bromobenzene	11.195	156	29893	20.519	ug/l	93
78) n-propylbenzene	11.299	91	144703	19.510	ug/l	100
79) 2-Chlorotoluene	11.360	91	88678	19.454	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	104223	19.987	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11634	16.914	ug/l	91
82) 4-Chlorotoluene	11.451	91	99533	19.736	ug/l	99
83) tert-Butylbenzene	11.713	119	104653	19.838	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	104819	20.366	ug/l	99
85) sec-Butylbenzene	11.890	105	131498	20.130	ug/l	98
86) p-Isopropyltoluene	12.006	119	106908	20.351	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52788	19.704	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	53421	19.722	ug/l	98
89) n-Butylbenzene	12.329	91	94562	20.347	ug/l	99
90) Hexachloroethane	12.536	117	18131	18.433	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	54507	20.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8250	20.471	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	31211	19.589	ug/l	98
94) Hexachlorobutadiene	13.719	225	12661	20.018	ug/l	99
95) Naphthalene	13.774	128	114238	19.835	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	32268	20.099	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044951.D
Acq On : 14 Feb 2025 11:14
Operator : JC/MD
Sample : VX0214WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:11:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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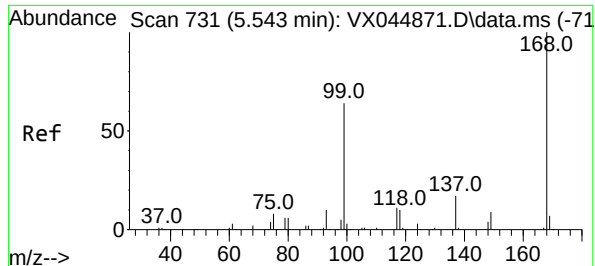
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025





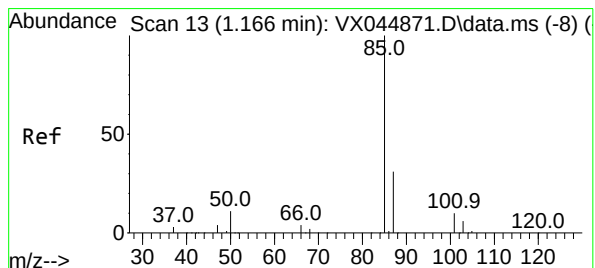
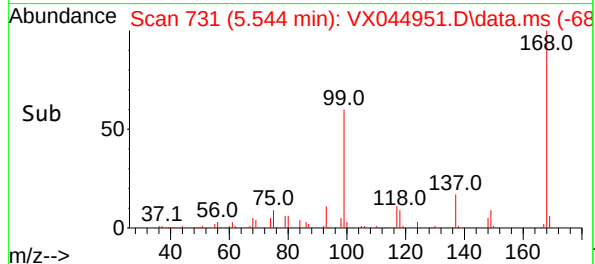
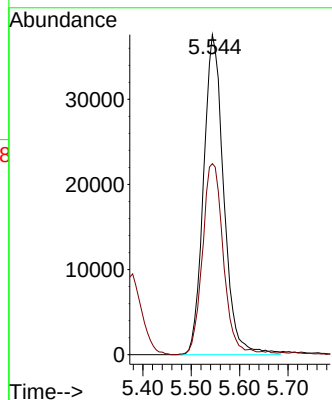
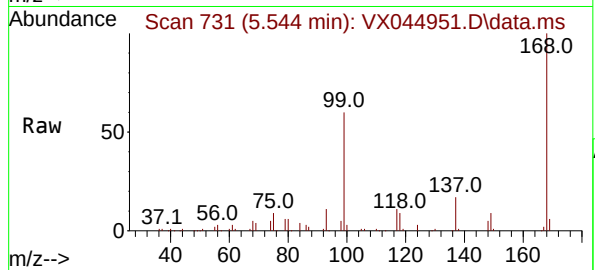
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion:168 Resp: 10916
Ion Ratio Lower Upper
168 100
99 59.5 51.2 76.8

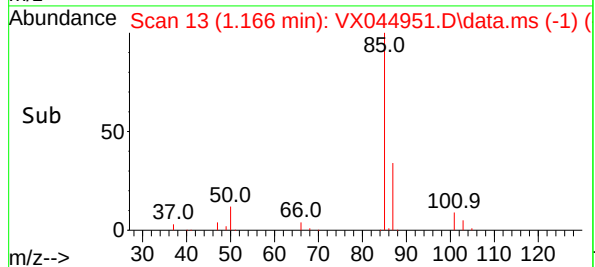
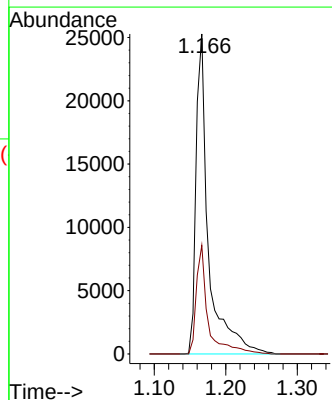
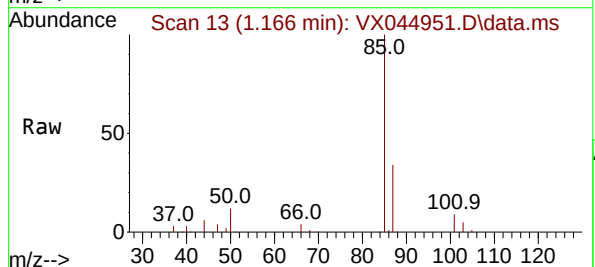
Manual Integrations
APPROVED

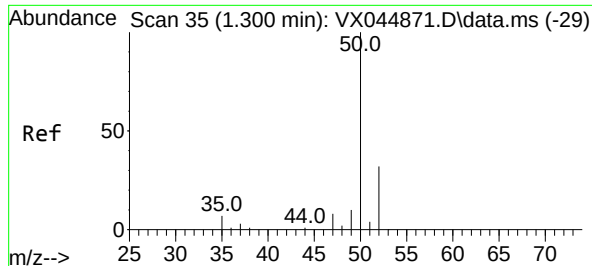
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#2
Dichlorodifluoromethane
Concen: 19.916 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 85 Resp: 30493
Ion Ratio Lower Upper
85 100
87 33.9 15.8 47.3





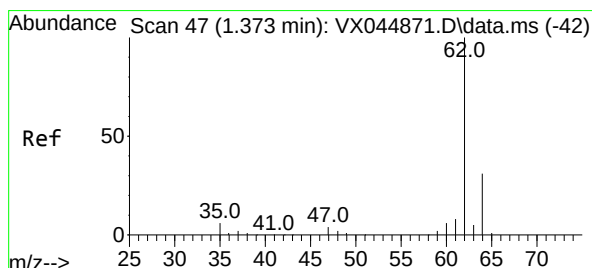
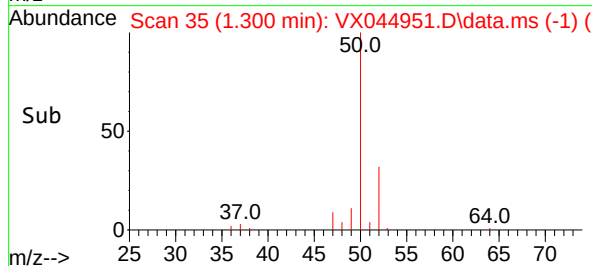
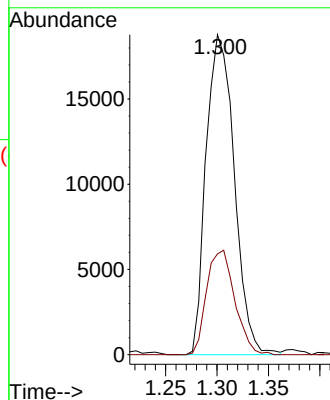
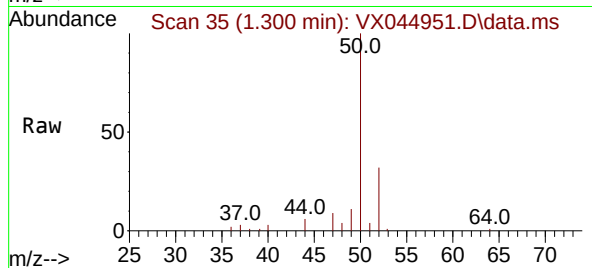
#3
Chloromethane
Concen: 19.252 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion: 50 Resp: 35870
Ion Ratio Lower Upper
50 100
52 31.5 25.9 38.9

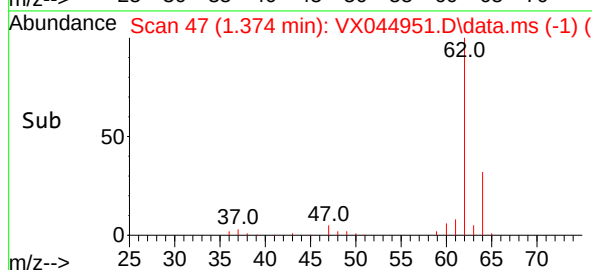
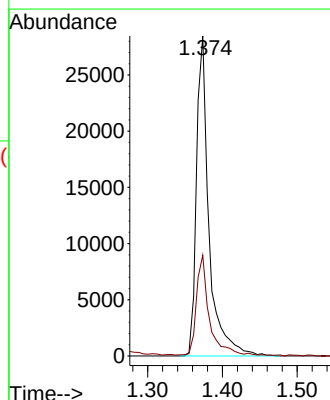
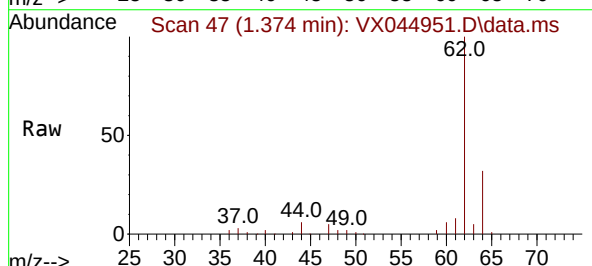
Manual Integrations
APPROVED

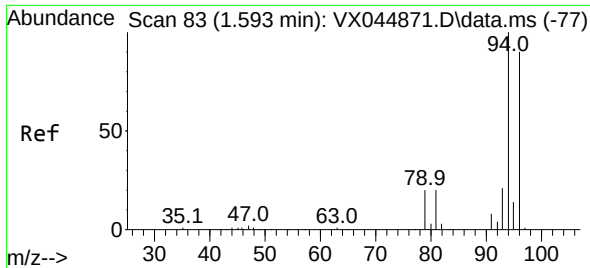
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#4
Vinyl Chloride
Concen: 18.250 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 62 Resp: 32947
Ion Ratio Lower Upper
62 100
64 31.2 25.4 38.0





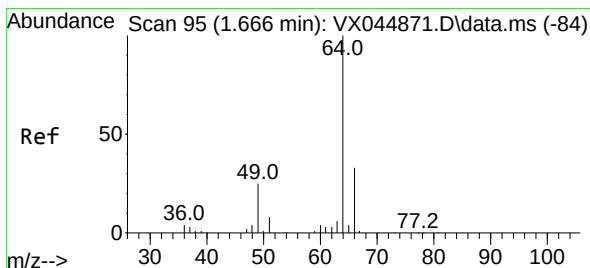
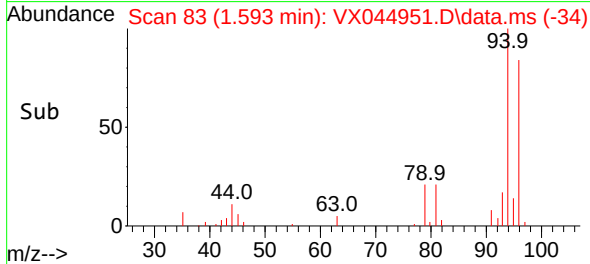
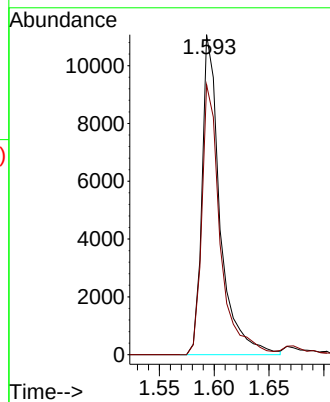
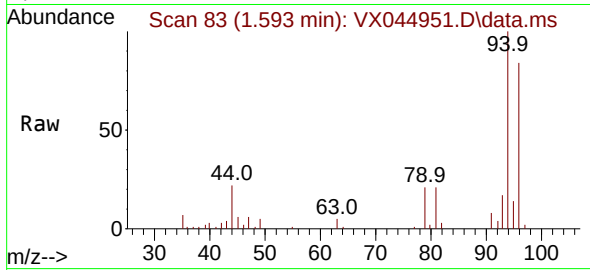
#5
Bromomethane
Concen: 23.444 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion: 94 Resp: 1266
Ion Ratio Lower Upper
94 100
96 84.3 71.6 107.4

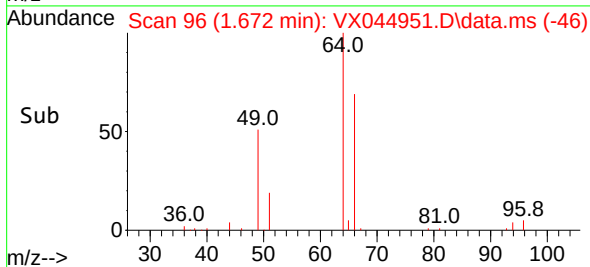
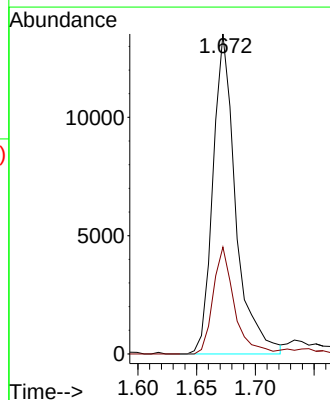
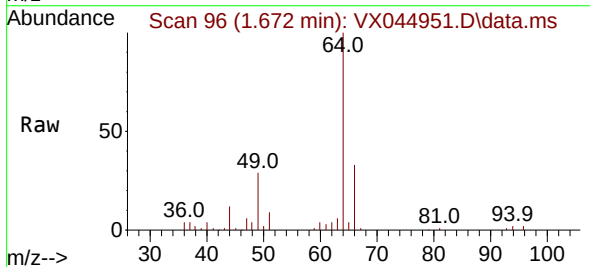
Manual Integrations
APPROVED

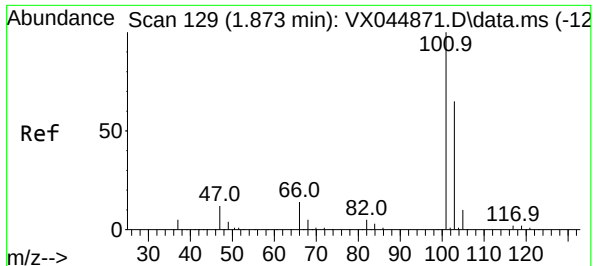
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#6
Chloroethane
Concen: 24.073 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

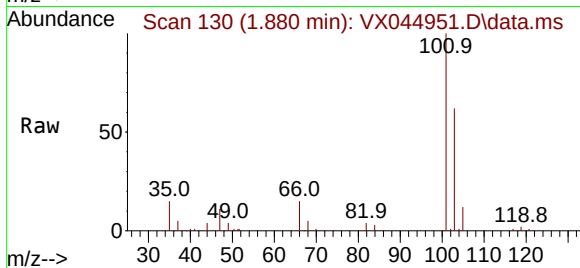
Tgt Ion: 64 Resp: 18270
Ion Ratio Lower Upper
64 100
66 33.4 25.9 38.9





#7
Trichlorofluoromethane
Concen: 20.197 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

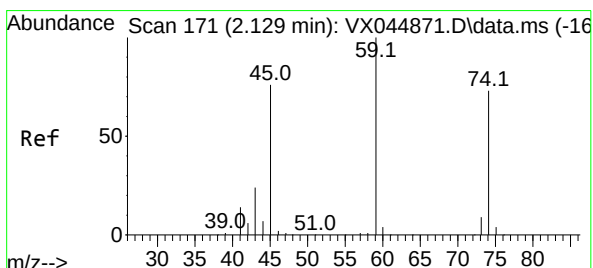
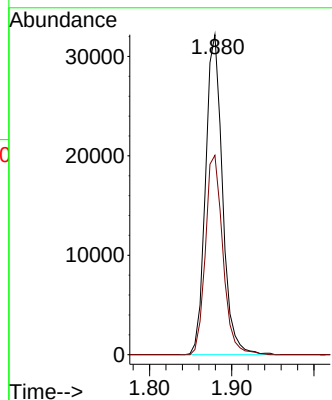
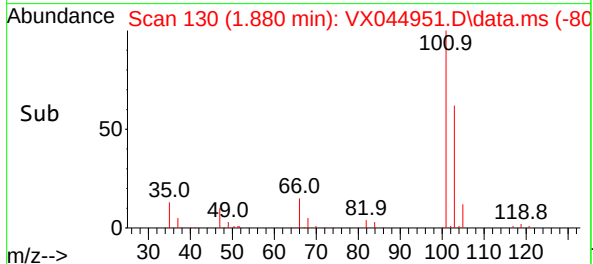
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01



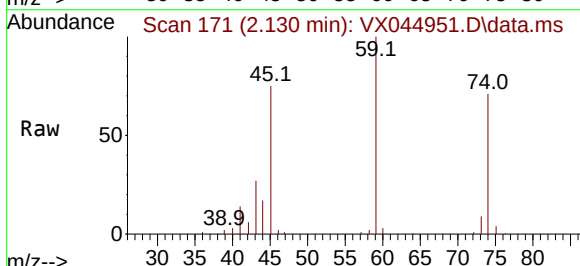
Tgt Ion:101 Resp: 46110
Ion Ratio Lower Upper
101 100
103 62.3 52.4 78.6

Manual Integrations
APPROVED

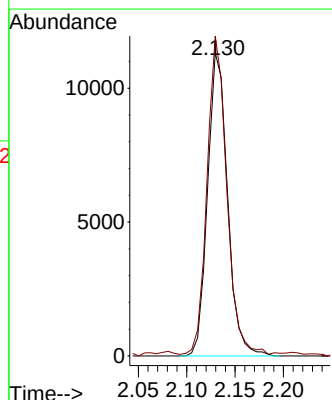
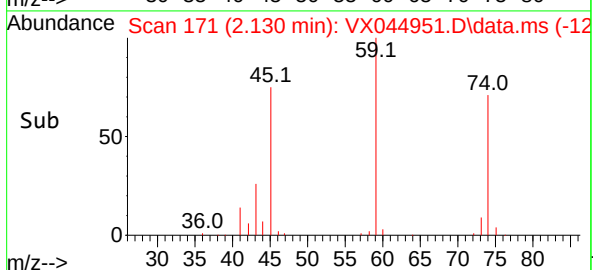
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

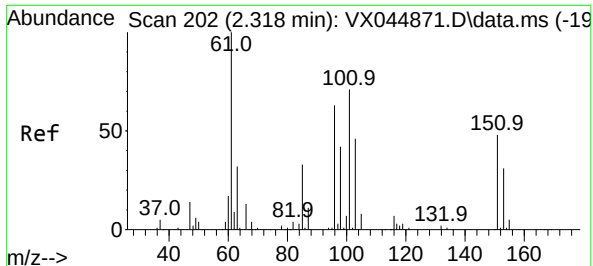


#8
Diethyl Ether
Concen: 19.671 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14



Tgt Ion: 74 Resp: 16287
Ion Ratio Lower Upper
74 100
45 103.4 51.1 153.4





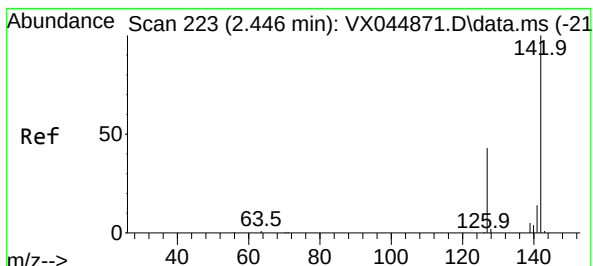
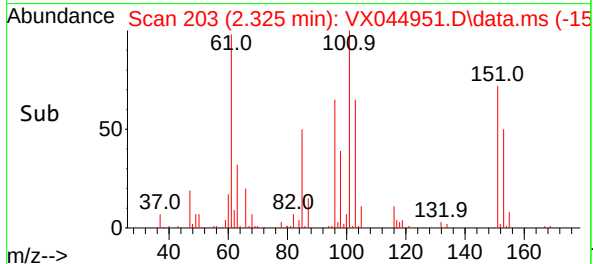
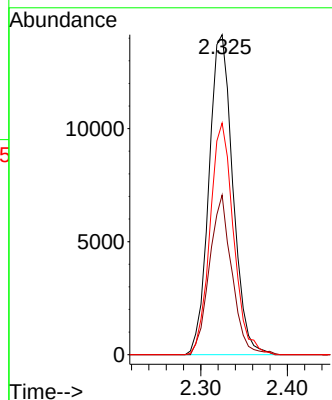
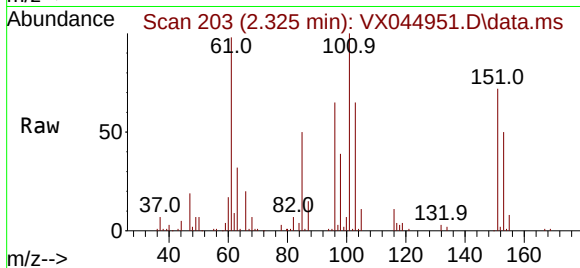
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.677 ug/l
RT: 2.325 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion:101 Resp: 2714
Ion Ratio Lower Upper
101 100
85 46.9 35.7 53.5
151 71.4 56.0 84.0

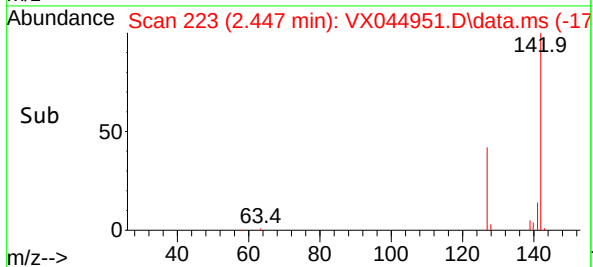
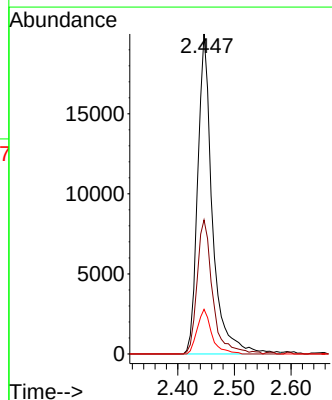
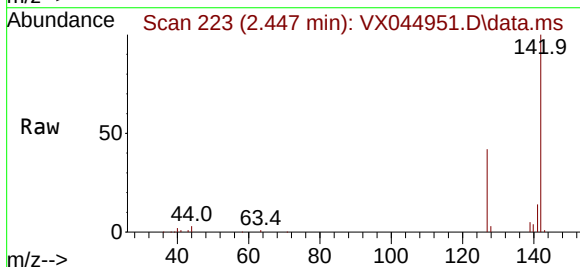
Manual Integrations
APPROVED

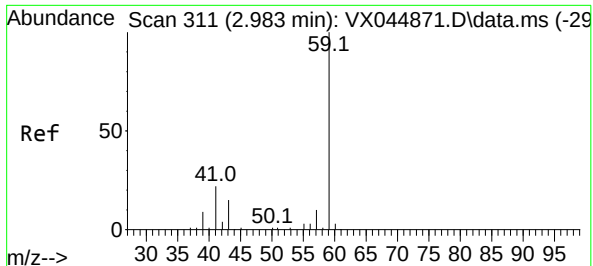
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#10
Methyl Iodide
Concen: 20.109 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:142 Resp: 35949
Ion Ratio Lower Upper
142 100
127 44.3 34.3 51.5
141 13.8 11.4 17.2





#11

Tert butyl alcohol

Concen: 101.141 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 59 Resp: 29984

Ion Ratio Lower Upper

59 100

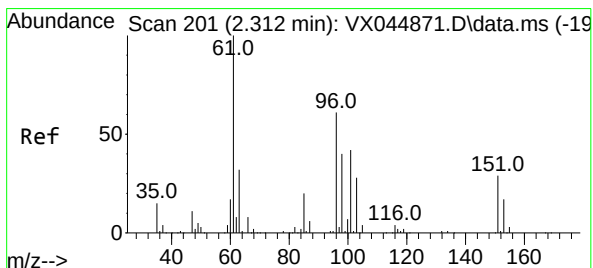
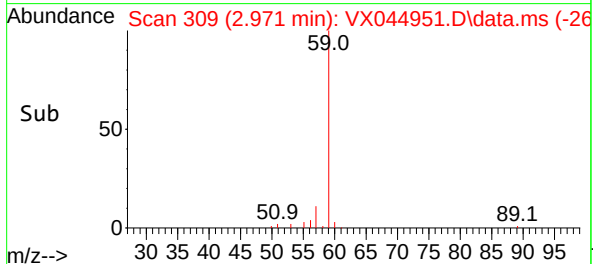
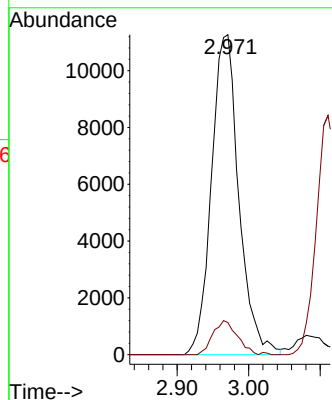
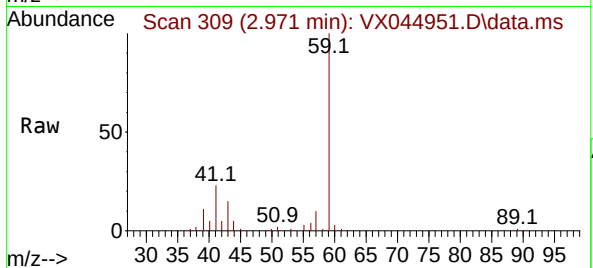
57 9.4 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#12

1,1-Dichloroethene

Concen: 18.930 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

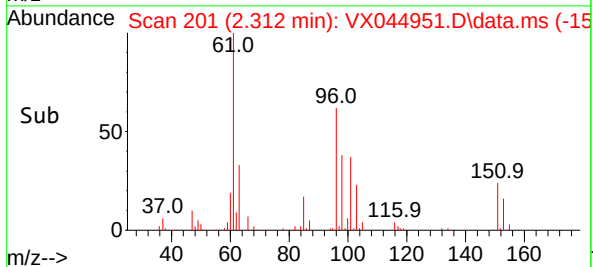
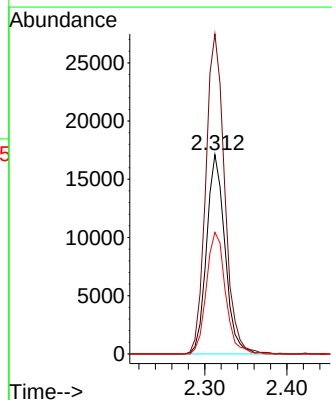
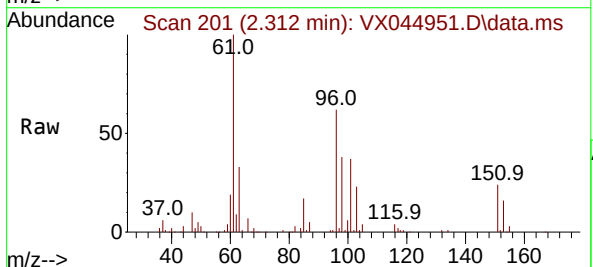
Tgt Ion: 96 Resp: 26636

Ion Ratio Lower Upper

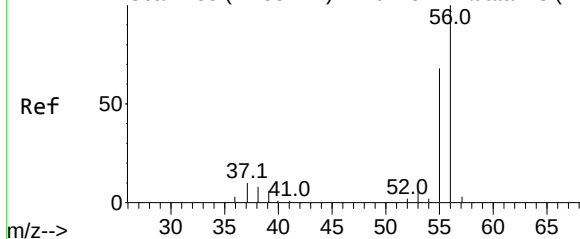
96 100

61 160.5 130.2 195.4

98 61.0 52.2 78.4



Abundance Scan 188 (2.233 min): VX044871.D\data.ms (-18



#13

Acrolein

Concen: 106.546 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 56 Resp: 32589

Ion Ratio Lower Upper

56 100

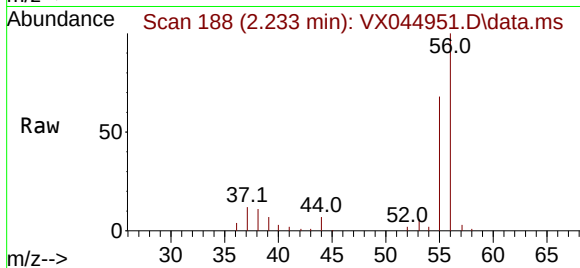
55 70.9 55.7 83.5

Manual Integrations

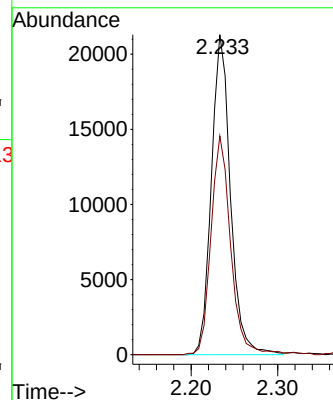
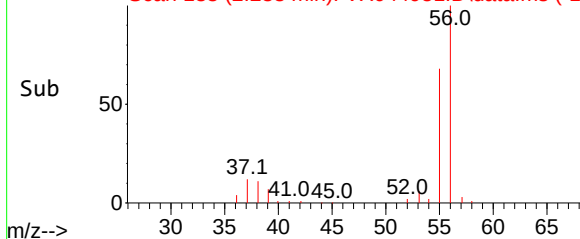
APPROVED

Reviewed By :John Carlone 02/18/2025

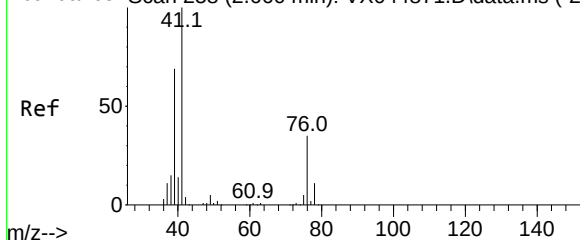
Supervised By :Mahesh Dadoda 02/19/2025



Abundance Scan 188 (2.233 min): VX044951.D\data.ms (-13



Abundance Scan 258 (2.660 min): VX044871.D\data.ms (-24



#14

Allyl chloride

Concen: 19.193 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

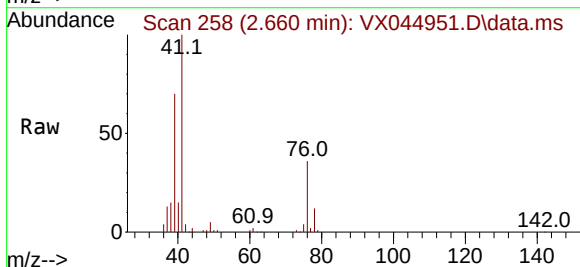
Tgt Ion: 41 Resp: 48808

Ion Ratio Lower Upper

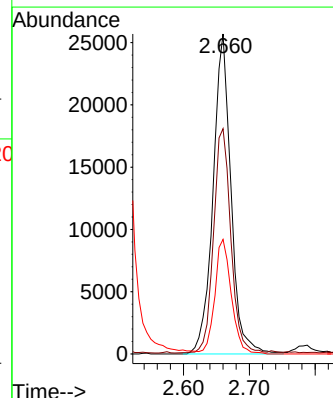
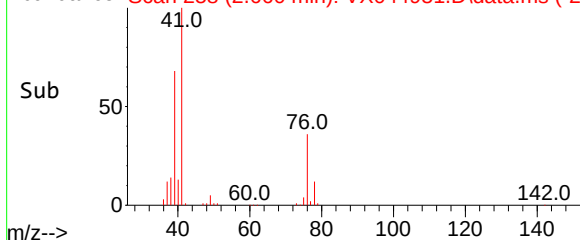
41 100

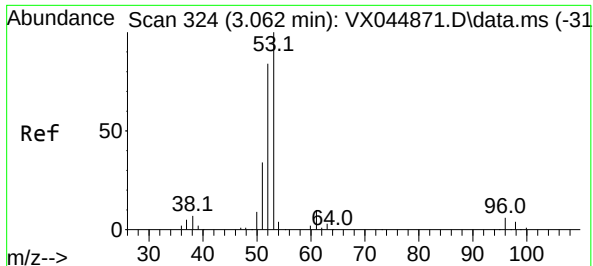
39 67.1 51.4 77.2

76 32.9 27.0 40.4



Abundance Scan 258 (2.660 min): VX044951.D\data.ms (-20





#15

Acrylonitrile

Concen: 105.222 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

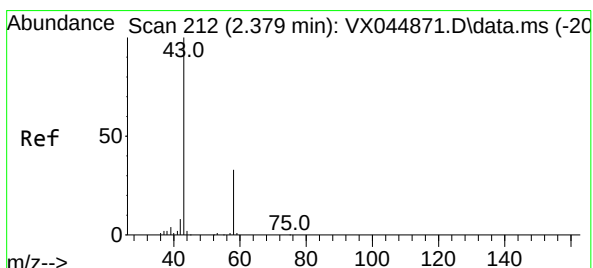
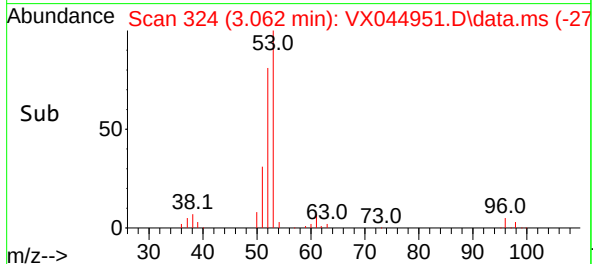
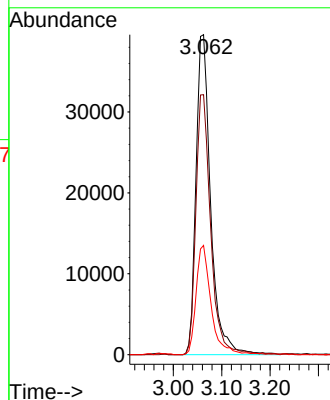
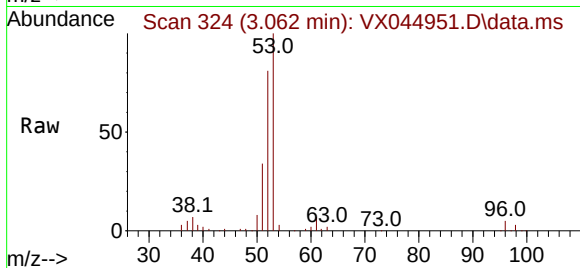
VX0214WBS01

Tgt Ion:	53	Resp:	8328
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.0	97.6
51	35.1	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#16

Acetone

Concen: 107.742 ug/l

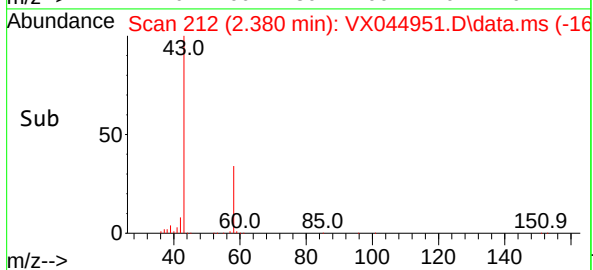
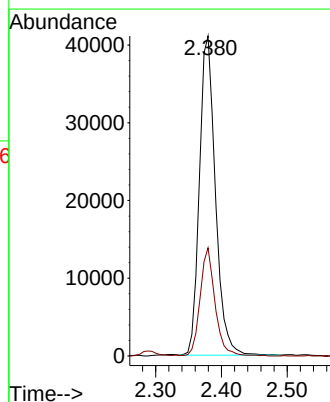
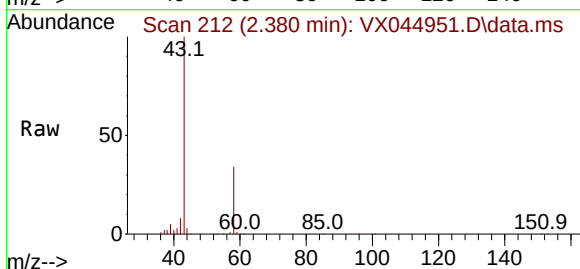
RT: 2.380 min Scan# 212

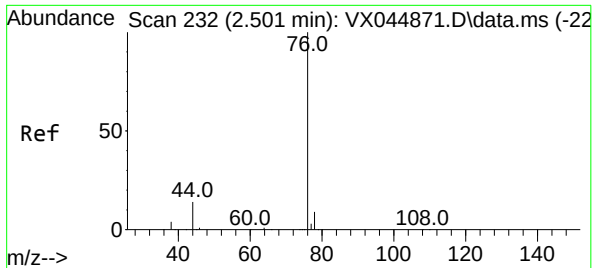
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	43	Resp:	69215
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.5	39.7





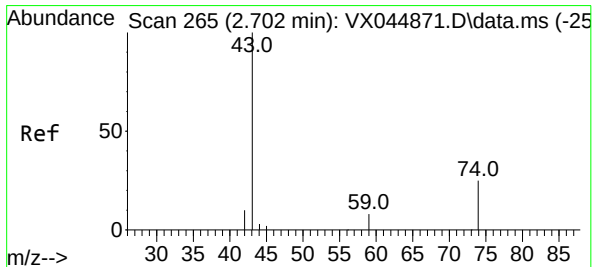
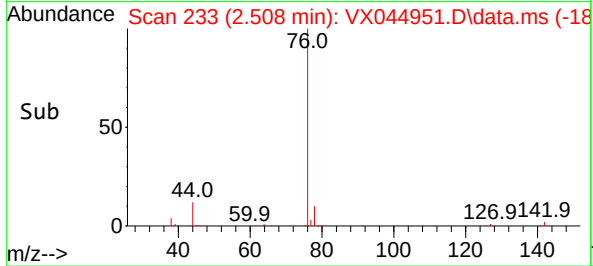
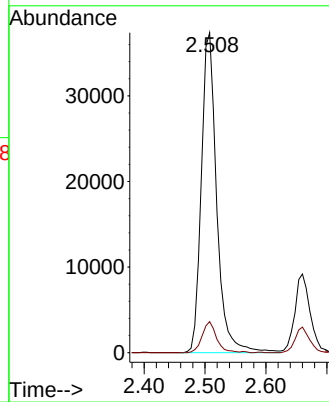
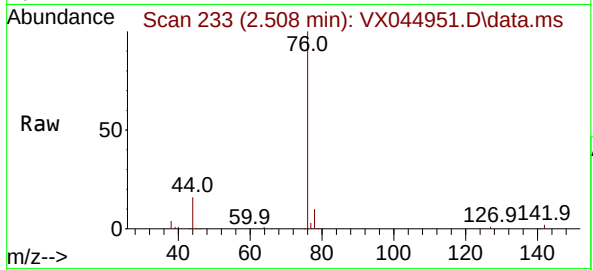
#17
Carbon Disulfide
Concen: 17.025 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion: 76 Resp: 65690
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4

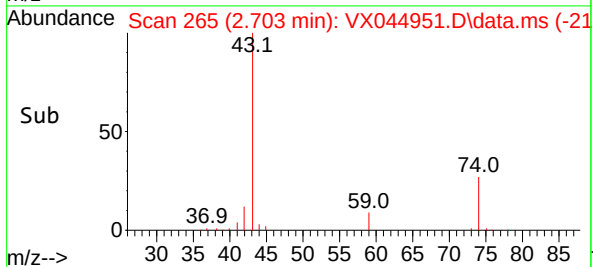
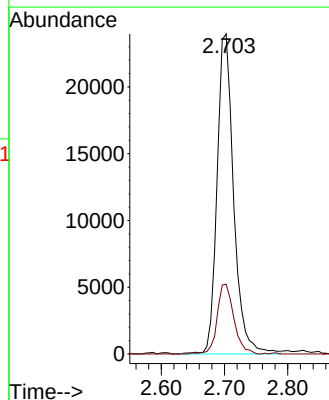
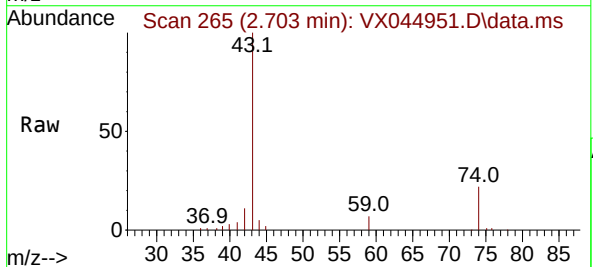
Manual Integrations
APPROVED

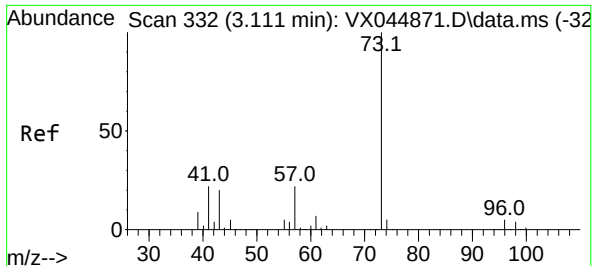
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#18
Methyl Acetate
Concen: 21.518 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 43 Resp: 43622
Ion Ratio Lower Upper
43 100
74 21.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 19.675 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 73 Resp: 8808

Ion Ratio Lower Upper

73 100

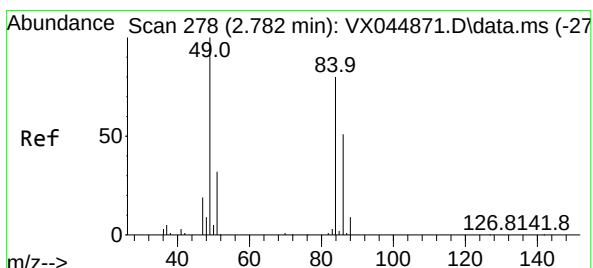
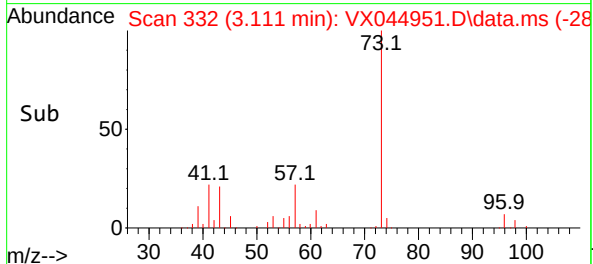
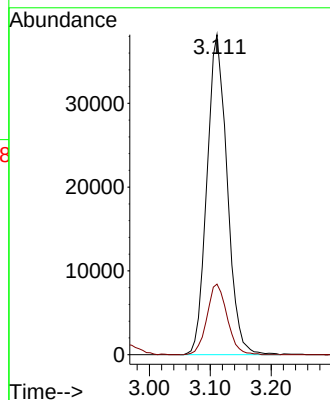
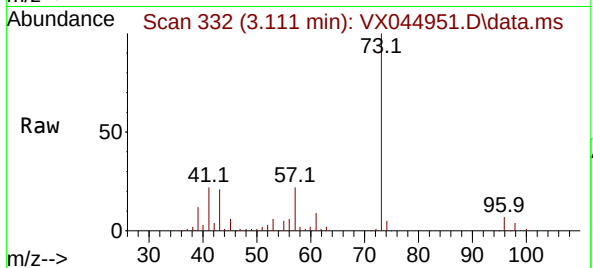
57 22.1 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#20

Methylene Chloride

Concen: 19.308 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion: 84 Resp: 30381

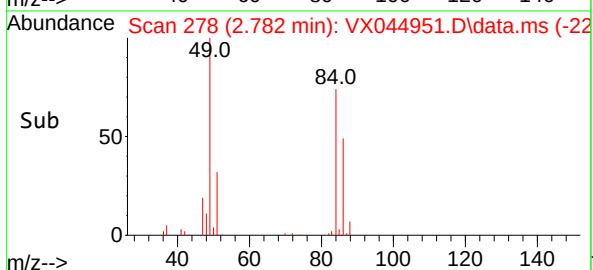
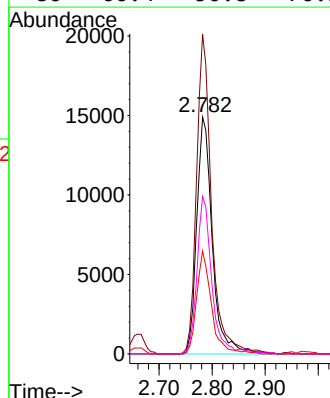
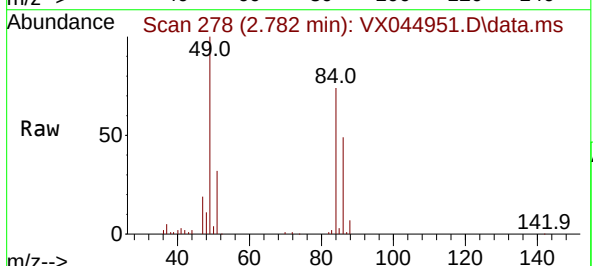
Ion Ratio Lower Upper

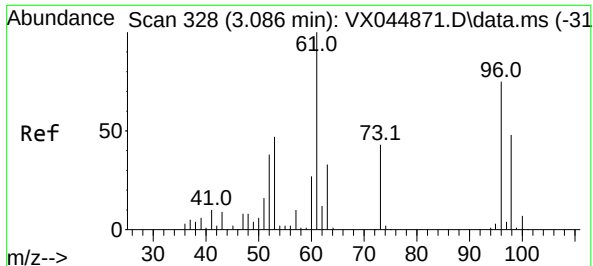
84 100

49 135.1 100.1 150.1

51 43.5 31.7 47.5

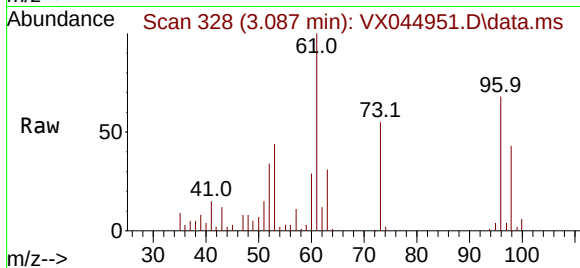
86 66.4 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 18.726 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

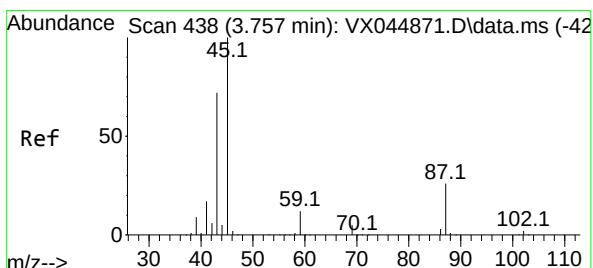
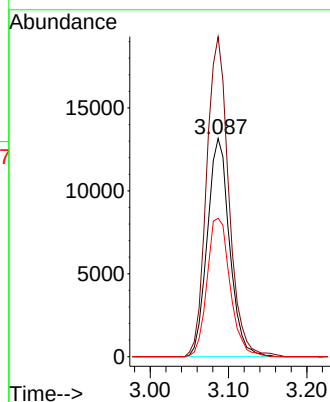
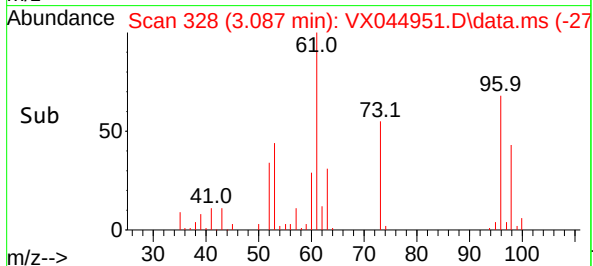
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01



Tgt Ion: 96 Resp: 2593
Ion Ratio Lower Upper
96 100
61 146.6 106.0 159.0
98 63.4 50.6 76.0

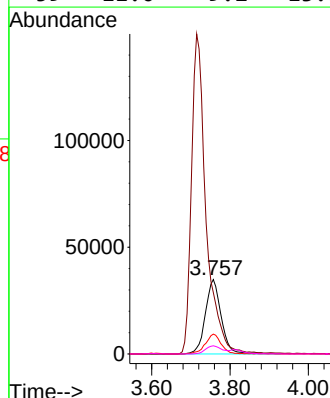
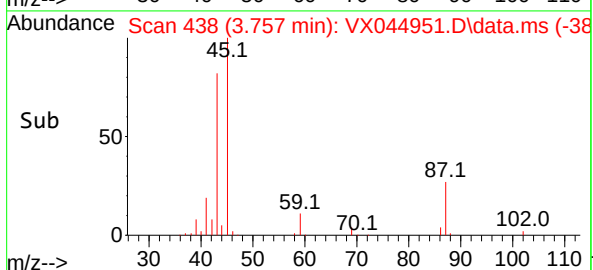
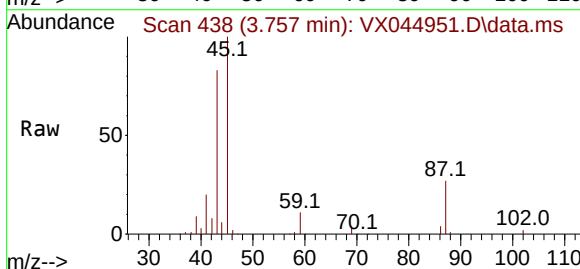
Manual Integrations
APPROVED

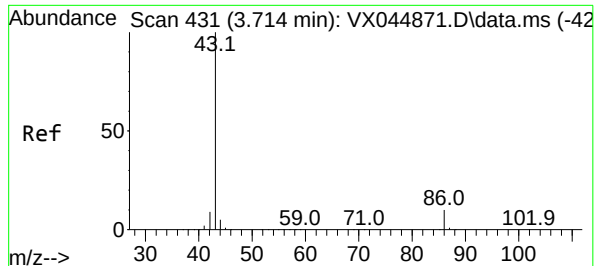
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#22
Diisopropyl ether
Concen: 20.312 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 45 Resp: 97720
Ion Ratio Lower Upper
45 100
43 82.0 58.0 87.0
87 26.6 20.7 31.1
59 11.0 9.2 13.8





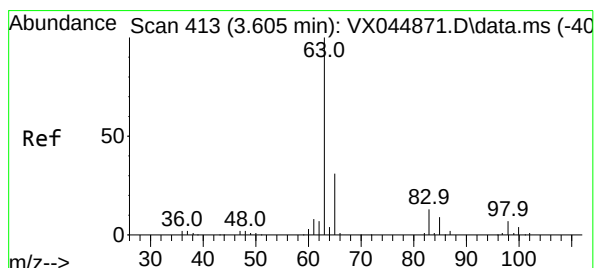
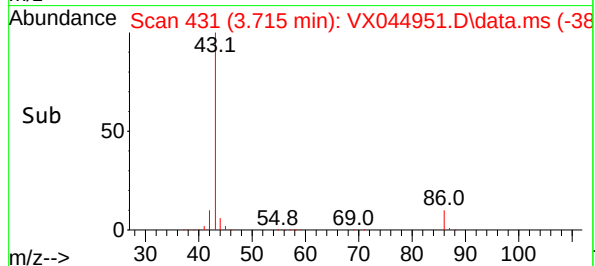
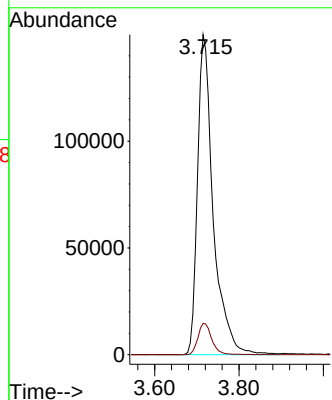
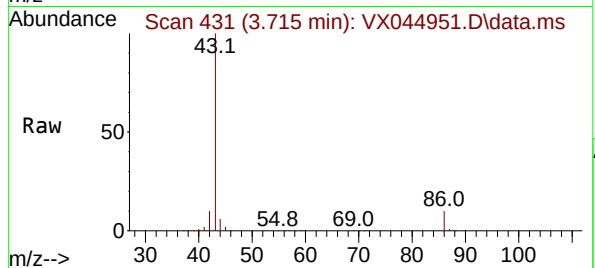
#23
Vinyl Acetate
Concen: 99.216 ug/l
RT: 3.715 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion: 43 Resp: 389140
Ion Ratio Lower Upper
43 100
86 9.7 8.3 12.5

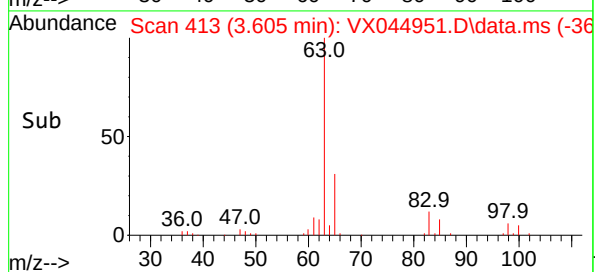
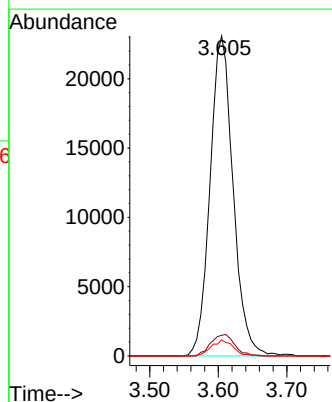
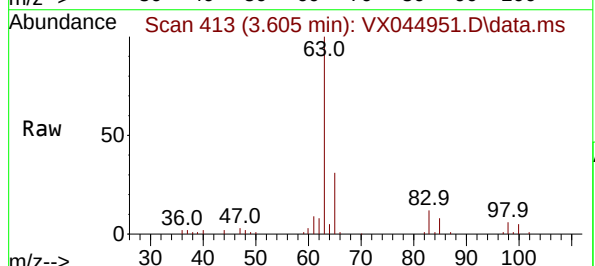
Manual Integrations
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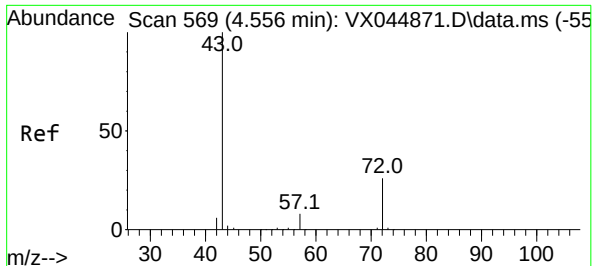
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#24
1,1-Dichloroethane
Concen: 20.015 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 63 Resp: 53879
Ion Ratio Lower Upper
63 100
98 6.5 3.3 9.9
100 5.1 2.1 6.5





#25

2-Butanone

Concen: 106.657 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 43 Resp: 111260

Ion Ratio Lower Upper

43

100

72

24.6

21.2

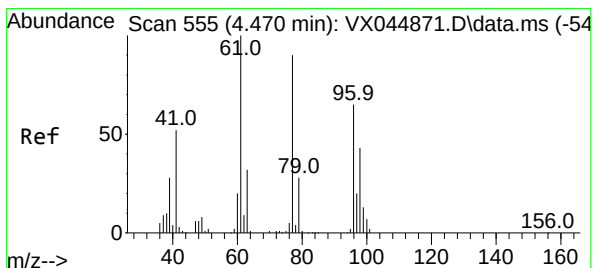
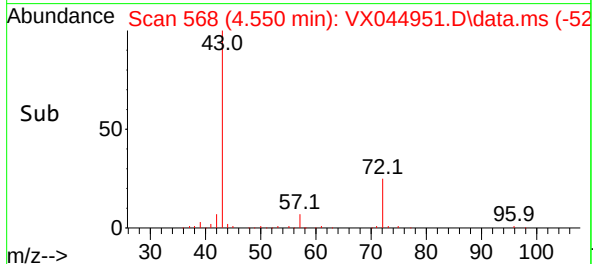
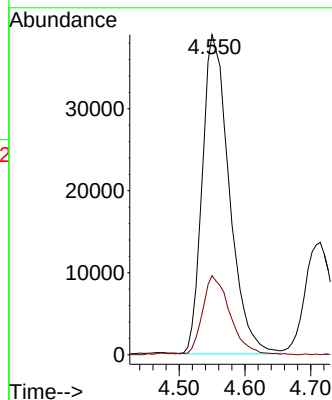
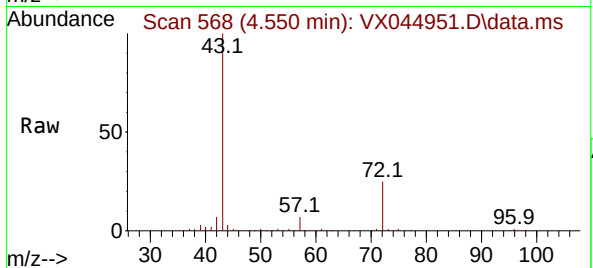
31.8

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#26

2,2-Dichloropropane

Concen: 18.798 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion: 77 Resp: 40129

Ion Ratio Lower Upper

77

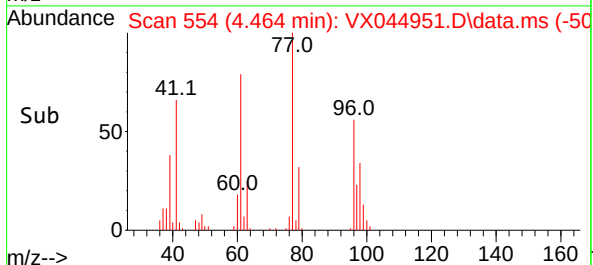
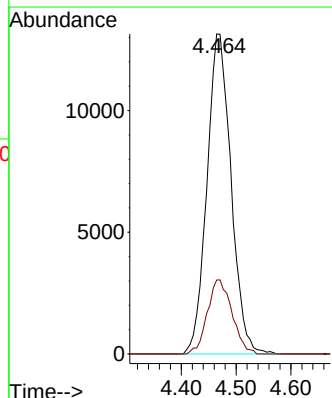
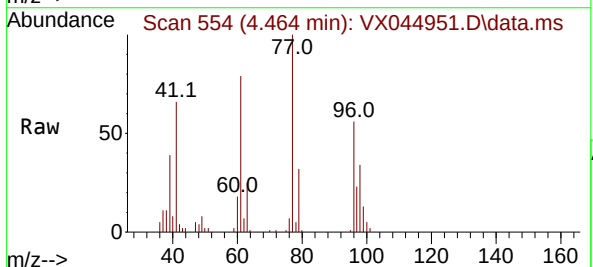
100

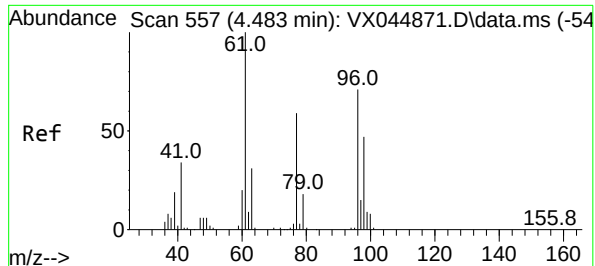
97

23.7

11.8

35.3





#27

cis-1,2-Dichloroethene

Concen: 19.815 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 96 Resp: 3296

Ion Ratio Lower Upper

96 100

61 144.9 0.0 294.0

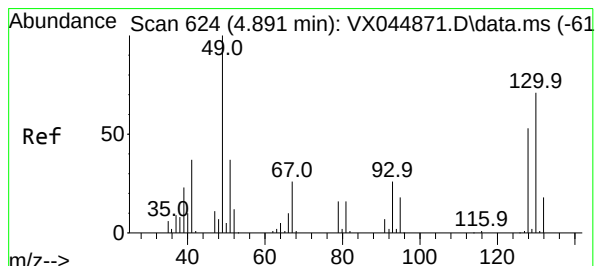
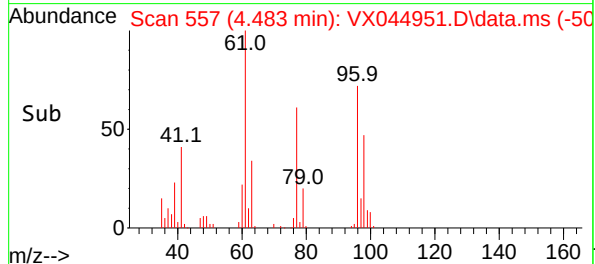
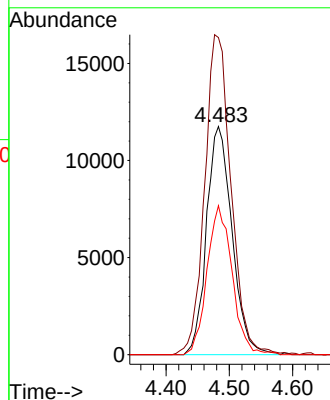
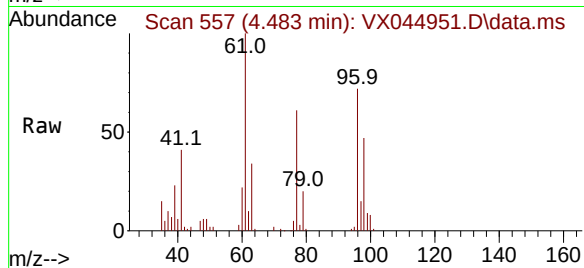
98 64.2 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#28

Bromochloromethane

Concen: 17.943 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

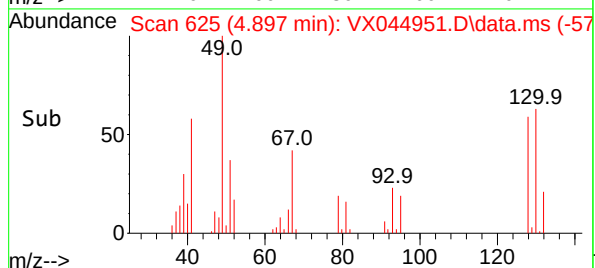
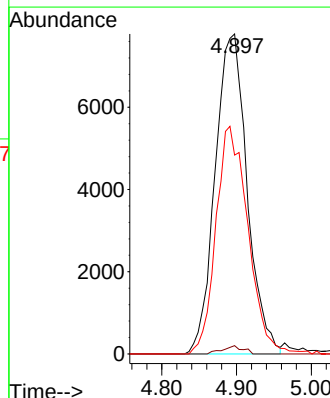
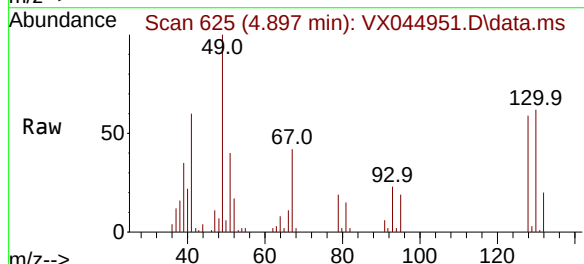
Tgt Ion: 49 Resp: 23212

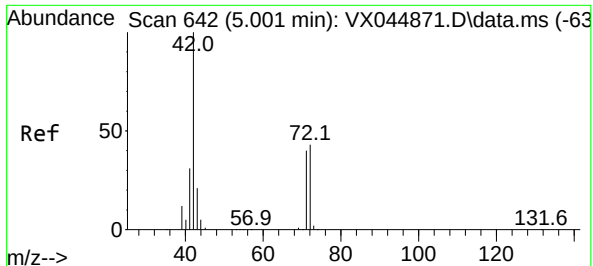
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

130 71.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 104.443 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

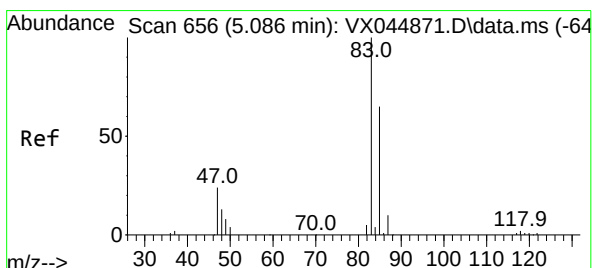
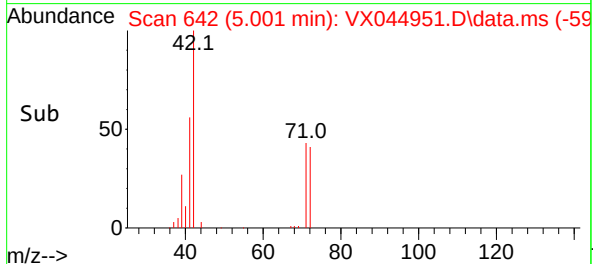
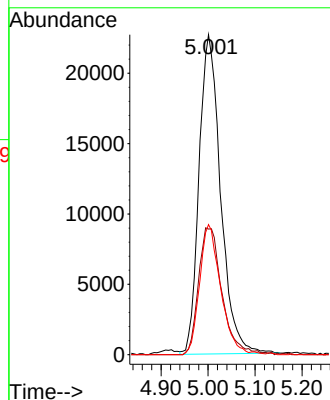
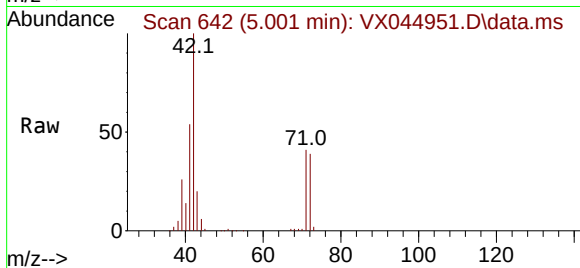
Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion:	42	Resp:	72340
Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.0	52.4
71	40.0	32.6	48.8

Manual Integrations
APPROVEDReviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

#30

Chloroform

Concen: 20.580 ug/l

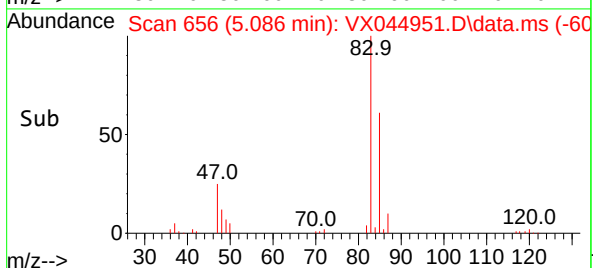
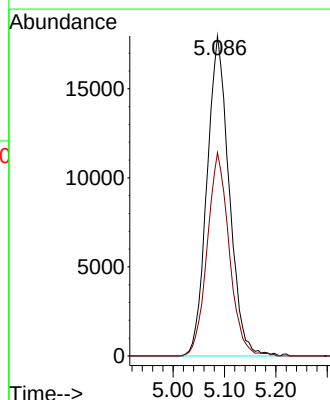
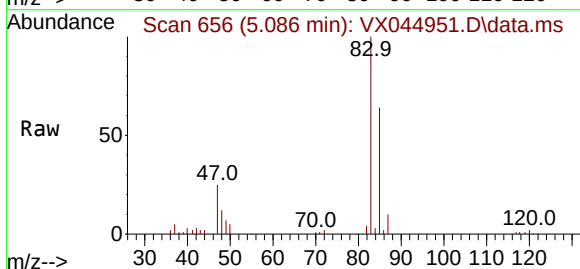
RT: 5.086 min Scan# 656

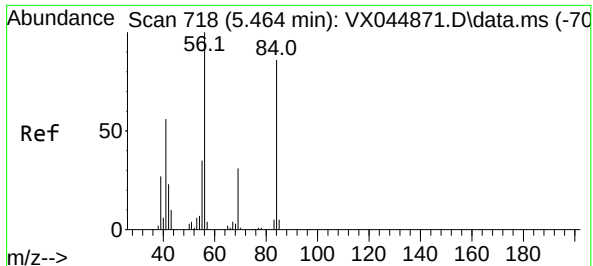
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	83	Resp:	53725
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1





#31

Cyclohexane

Concen: 18.867 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX044951.D

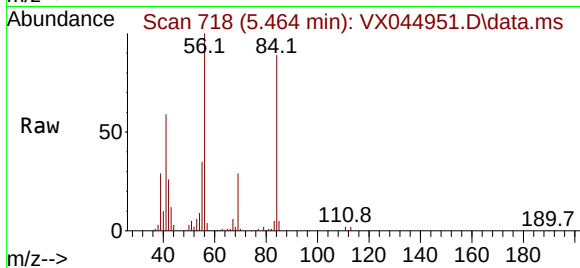
Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

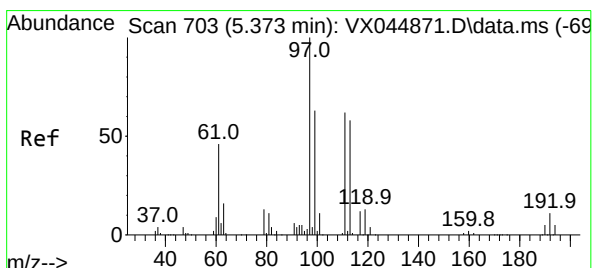
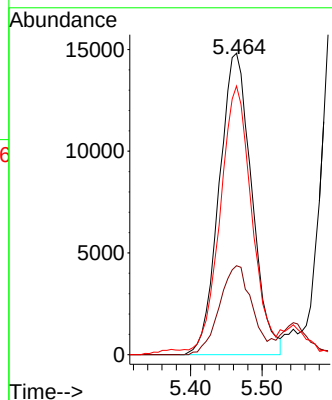
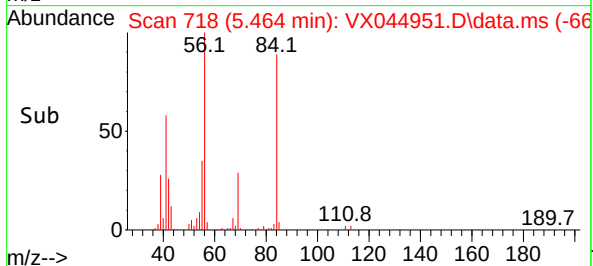


Tgt Ion: 56	Resp: 4682
Ion Ratio	Lower Upper
56	100
69	29.5 24.4 36.6
84	87.6 69.0 103.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#32

1,1,1-Trichloroethane

Concen: 19.641 ug/l

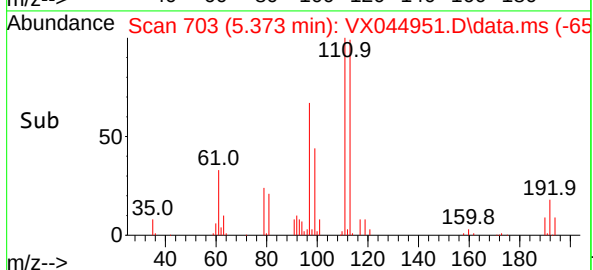
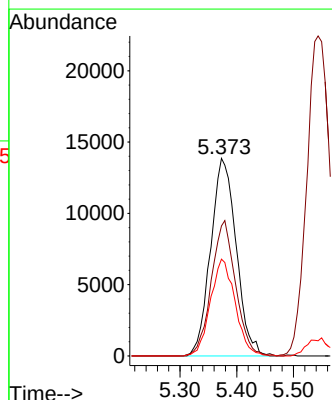
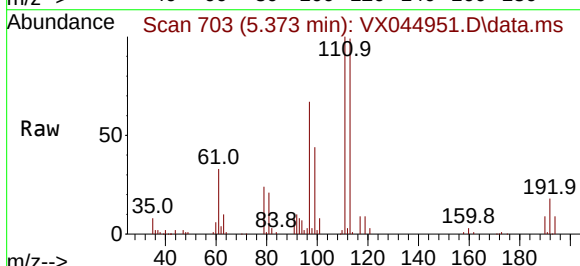
RT: 5.373 min Scan# 703

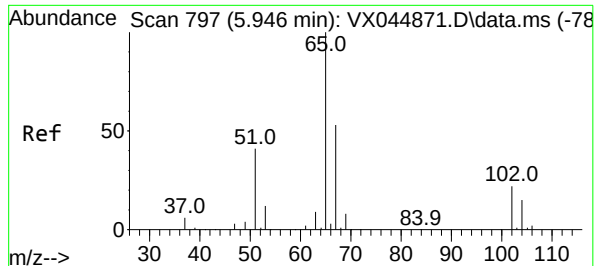
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion: 97	Resp: 43492
Ion Ratio	Lower Upper
97	100
99	64.7 51.0 76.6
61	47.3 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 50.718 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 65 Resp: 81048

Ion Ratio Lower Upper

65 100

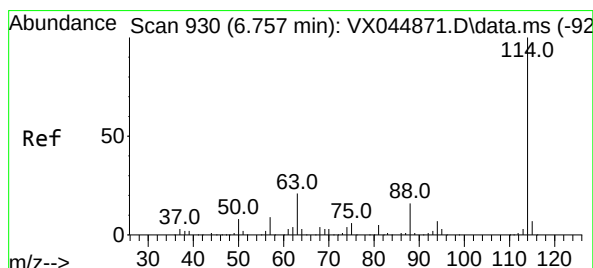
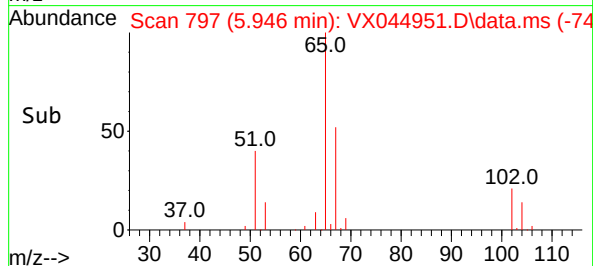
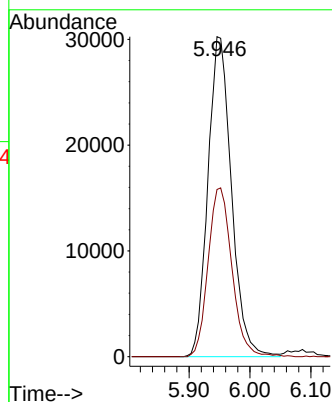
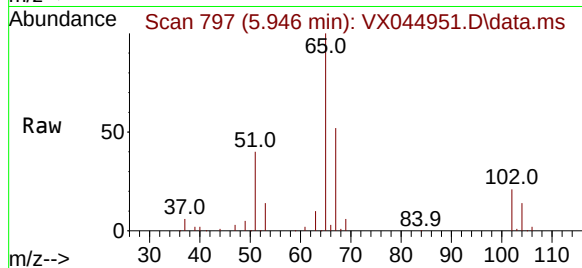
67 53.5 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

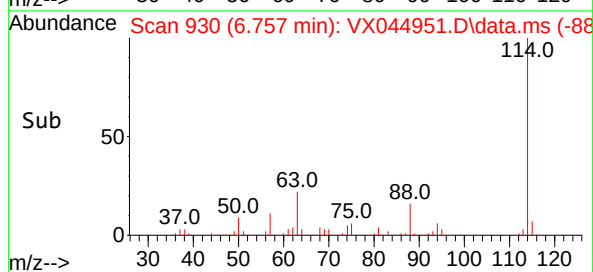
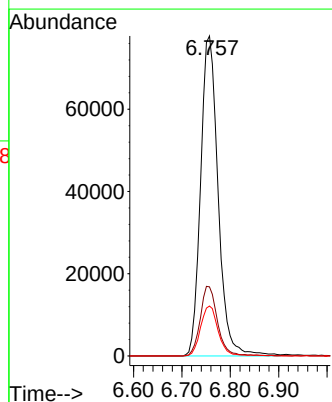
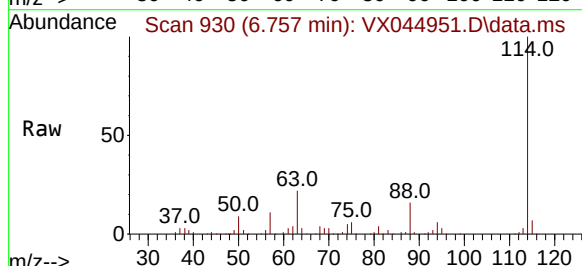
Tgt Ion:114 Resp: 195743

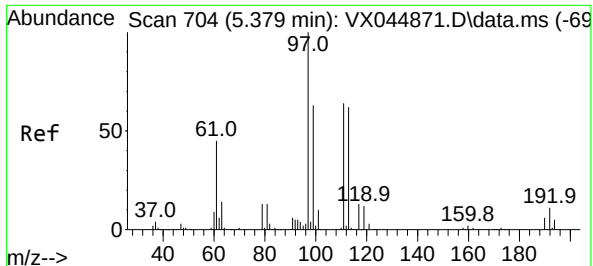
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.117 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

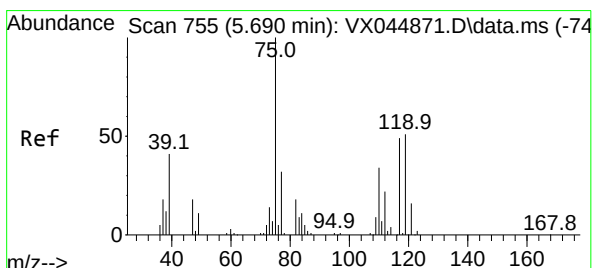
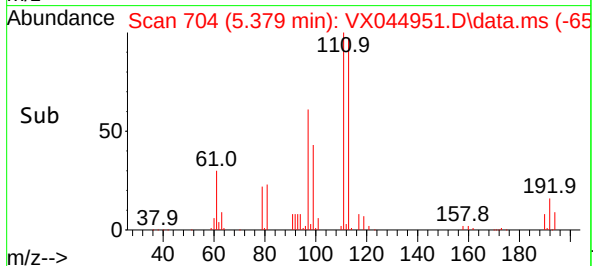
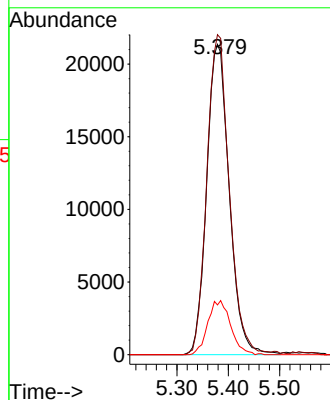
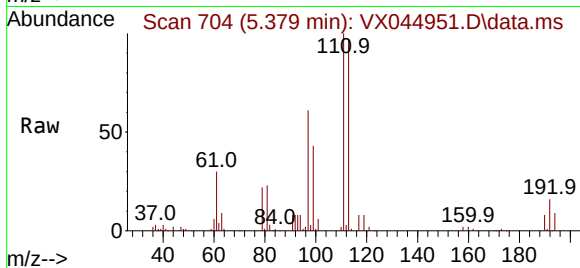
VX0214WBS01

Tgt Ion:	113	Resp:	65054
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.5	125.3
192	17.7	14.4	21.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#36

1,1-Dichloropropene

Concen: 19.602 ug/l

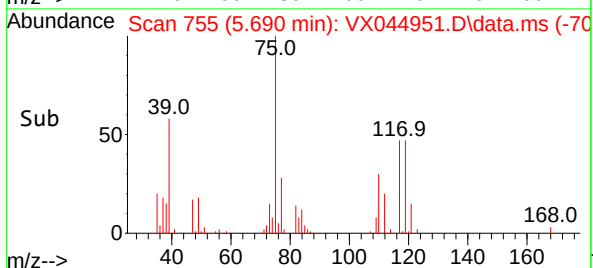
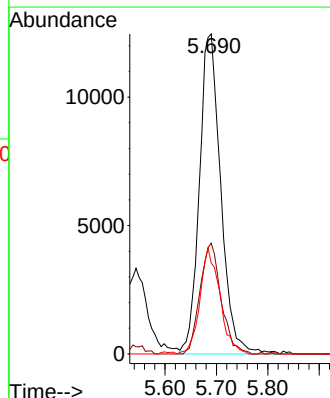
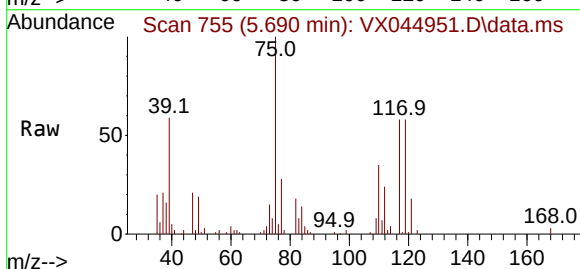
RT: 5.690 min Scan# 755

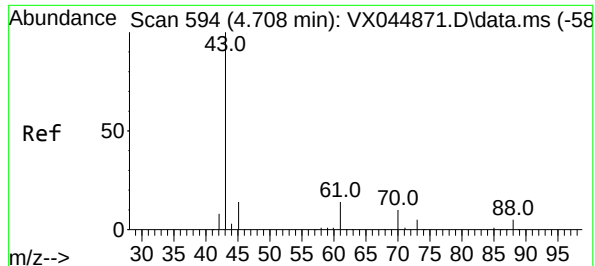
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	75	Resp:	35991
Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.2	51.6
77	30.8	24.6	37.0





#37

Ethyl Acetate

Concen: 20.428 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

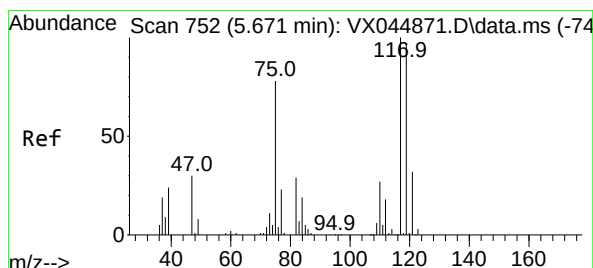
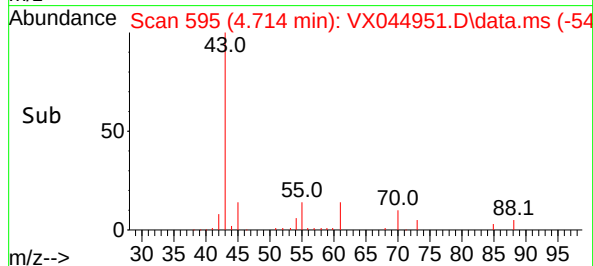
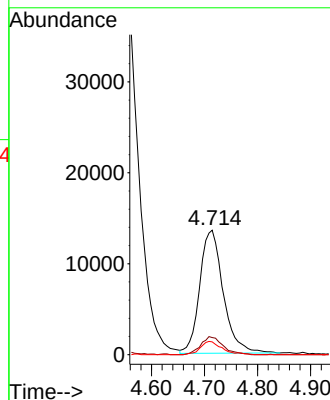
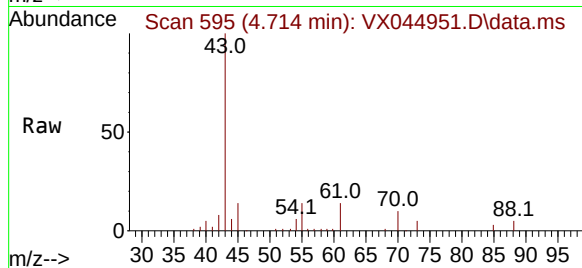
Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 43	Resp: 41720
Ion Ratio	Lower Upper
43 100	
61 13.8	11.0 16.4
70 9.9	8.2 12.2

Manual Integrations
APPROVEDReviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

#38

Carbon Tetrachloride

Concen: 20.174 ug/l

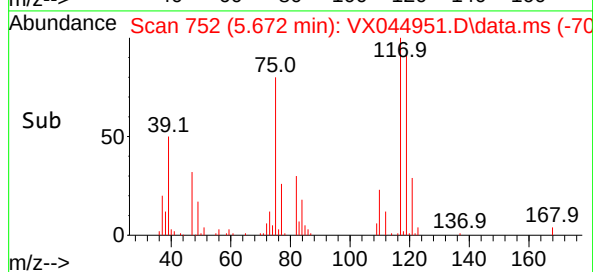
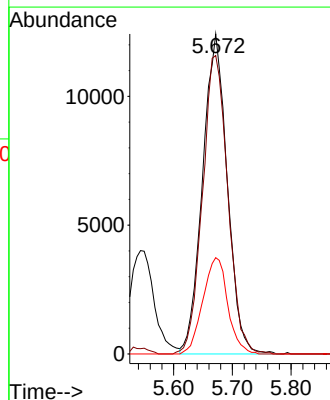
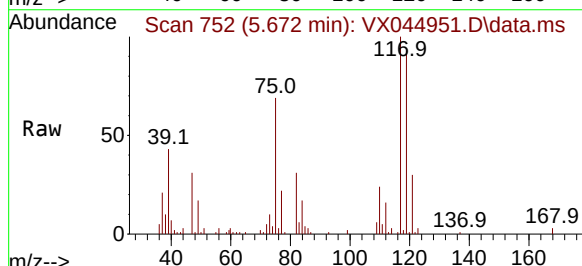
RT: 5.672 min Scan# 752

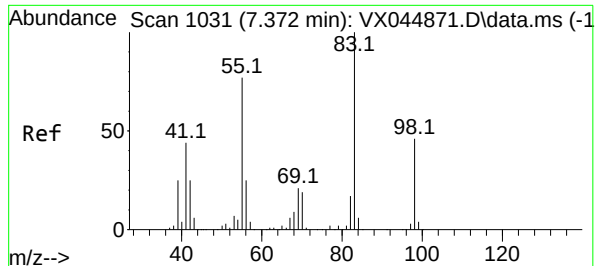
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion: 117	Resp: 36299
Ion Ratio	Lower Upper
117 100	
119 93.2	77.5 116.3
121 30.1	25.6 38.4





#39

Methylcyclohexane

Concen: 19.769 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 83 Resp: 4692

Ion Ratio Lower Upper

83 100

55 79.6 61.3 91.9

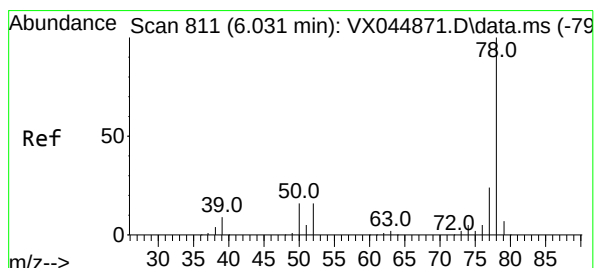
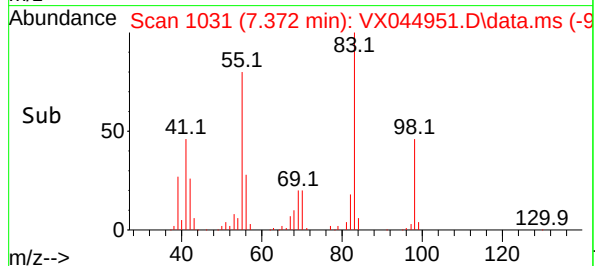
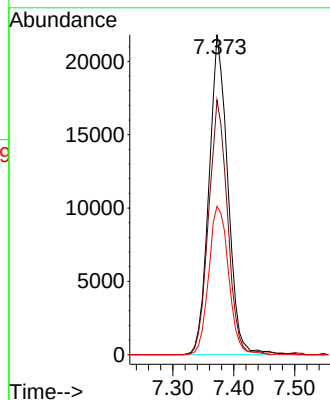
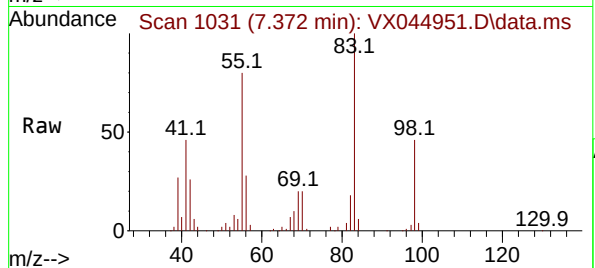
98 46.4 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#40

Benzene

Concen: 19.958 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044951.D

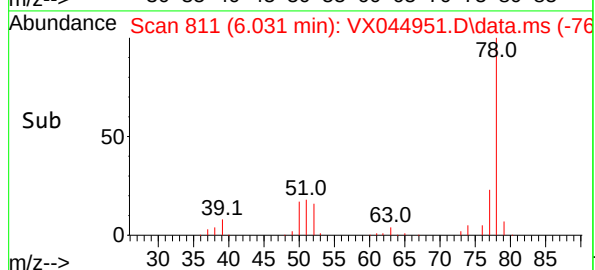
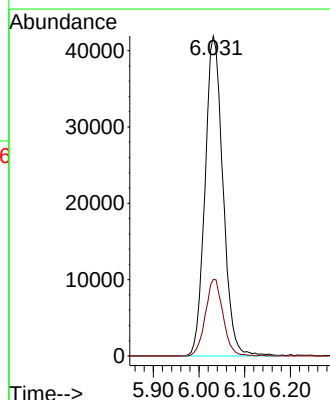
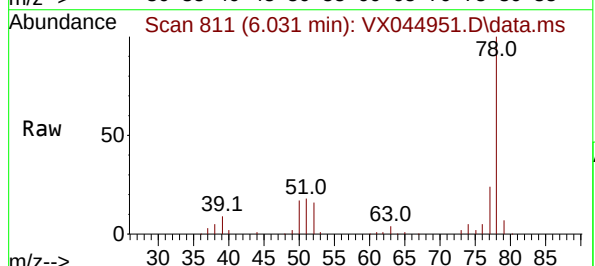
Acq: 14 Feb 2025 11:14

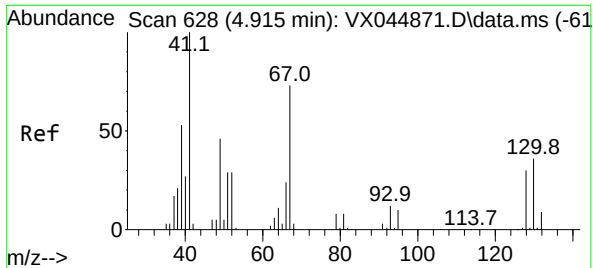
Tgt Ion: 78 Resp: 114429

Ion Ratio Lower Upper

78 100

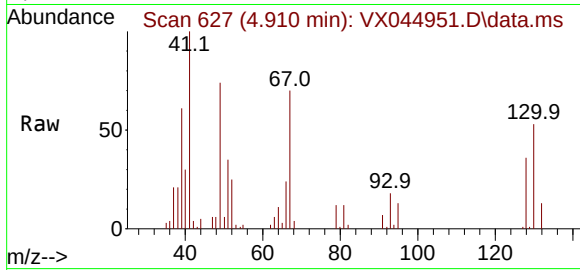
77 23.9 19.0 28.6





#41
Methacrylonitrile
Concen: 21.685 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

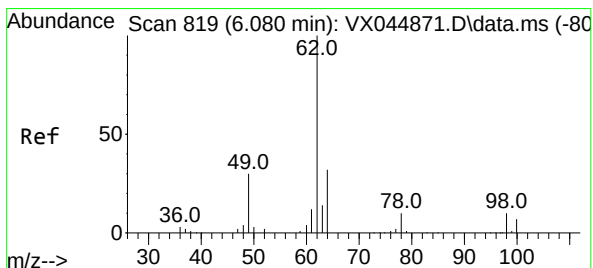
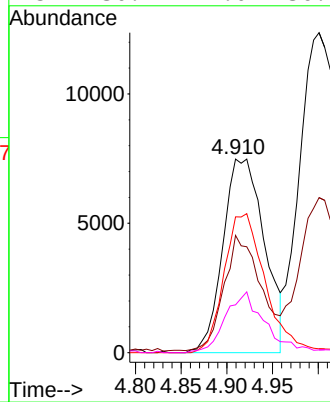
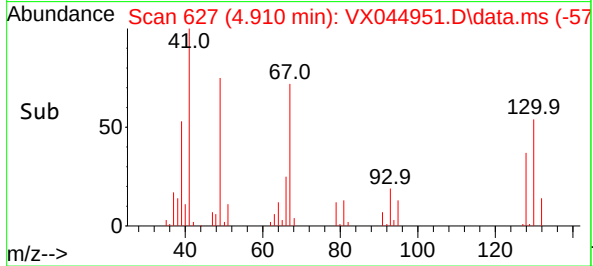
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01



Tgt Ion: 41 Resp: 2370
Ion Ratio Lower Upper
41 100
39 53.5 43.1 64.7
67 71.4 57.0 85.6
52 30.1 24.0 36.0

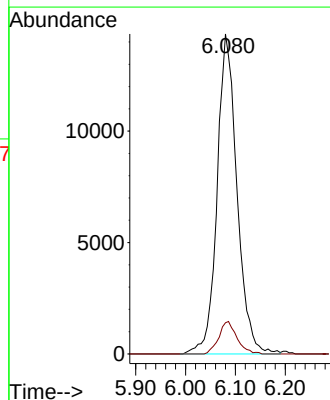
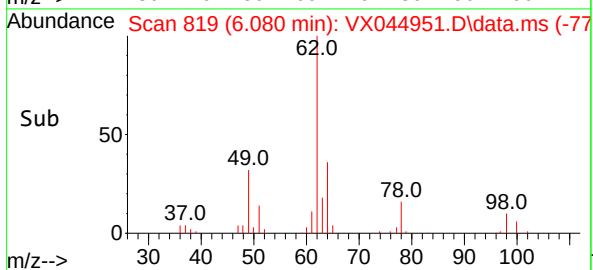
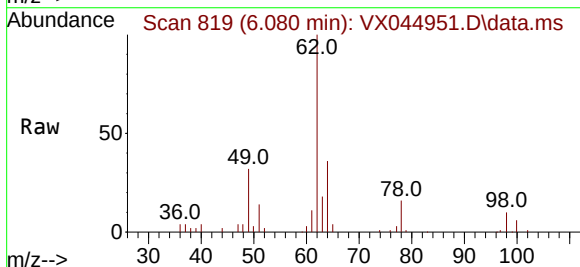
Manual Integrations
APPROVED

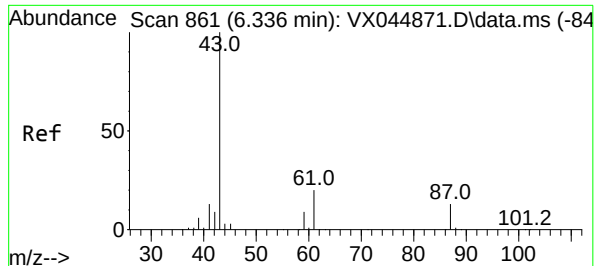
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#42
1,2-Dichloroethane
Concen: 21.773 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 62 Resp: 39785
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.524 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 43 Resp: 6768

Ion Ratio Lower Upper

43 100

61 18.7 15.8 23.8

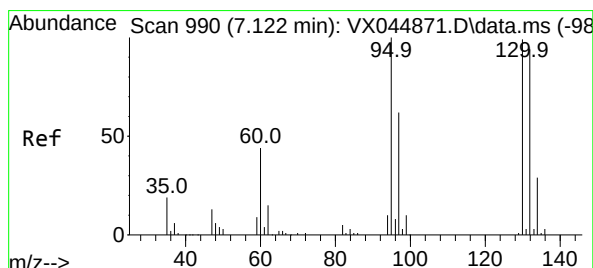
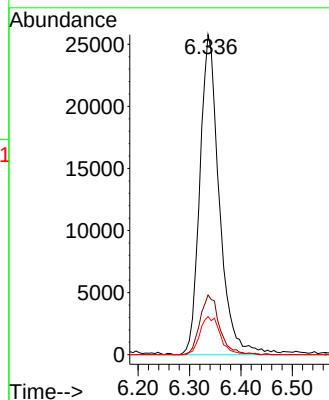
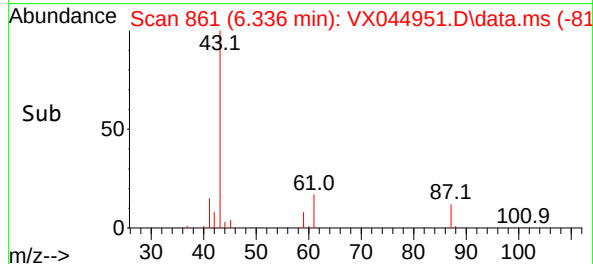
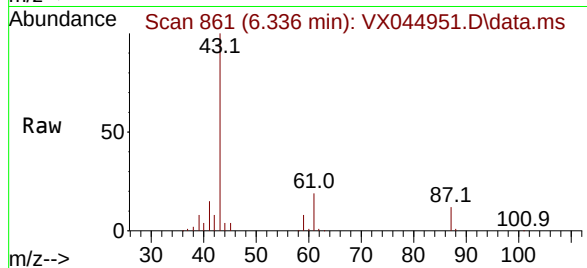
87 12.4 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#44

Trichloroethene

Concen: 19.823 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044951.D

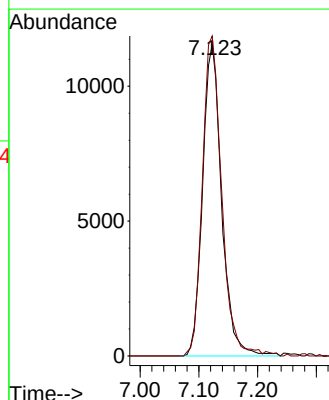
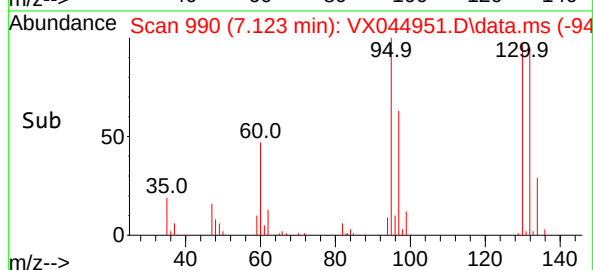
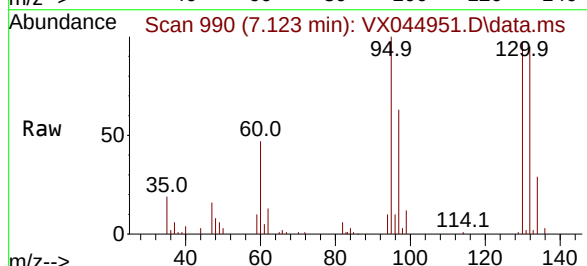
Acq: 14 Feb 2025 11:14

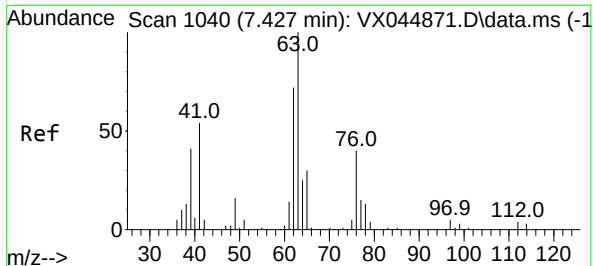
Tgt Ion:130 Resp: 25978

Ion Ratio Lower Upper

130 100

95 102.6 0.0 202.4





#45

1,2-Dichloropropane

Concen: 20.145 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 63 Resp: 28734

Ion Ratio Lower Upper

63 100

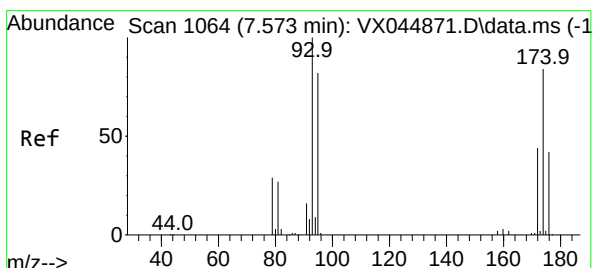
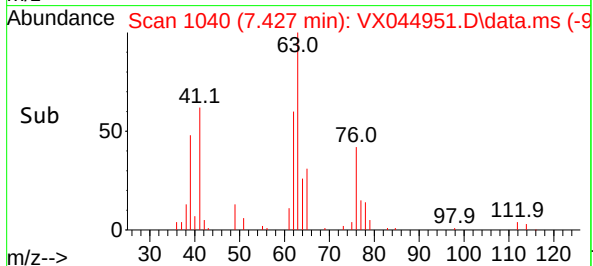
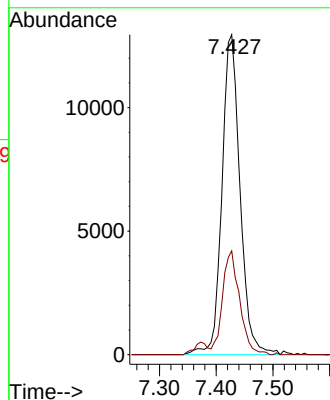
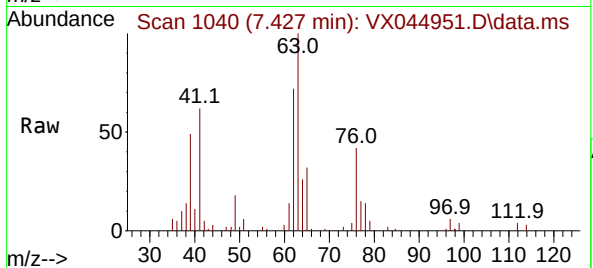
65 32.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#46

Dibromomethane

Concen: 20.383 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

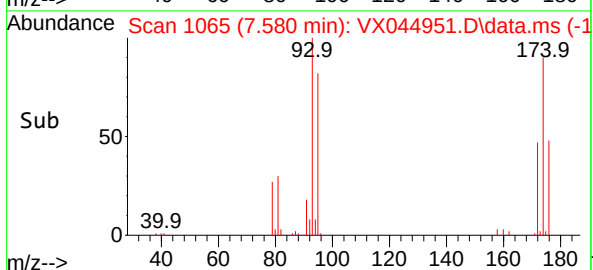
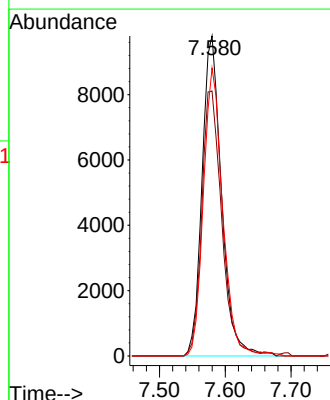
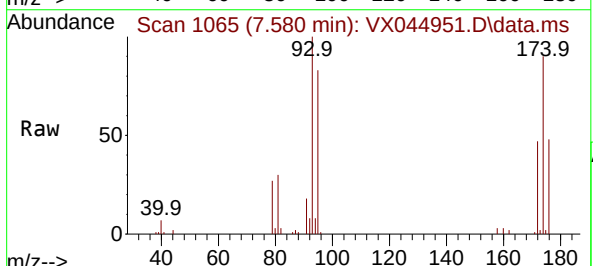
Tgt Ion: 93 Resp: 20163

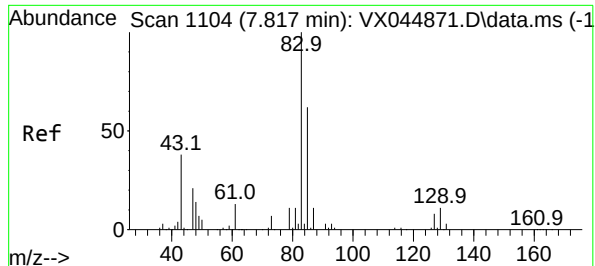
Ion Ratio Lower Upper

93 100

95 84.6 66.2 99.4

174 89.5 69.9 104.9





#47

Bromodichloromethane

Concen: 20.896 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

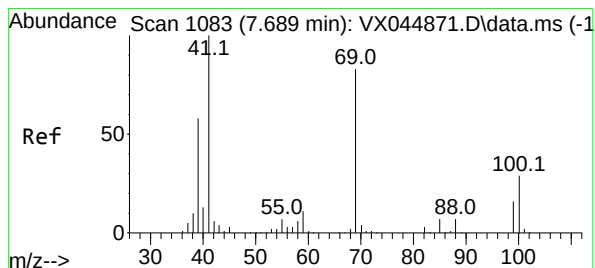
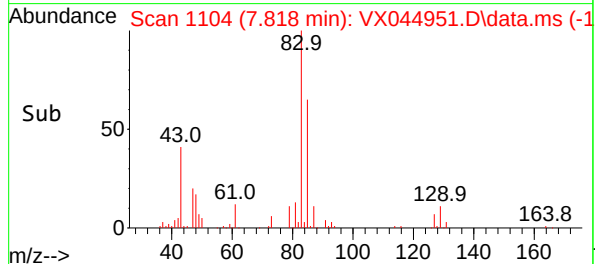
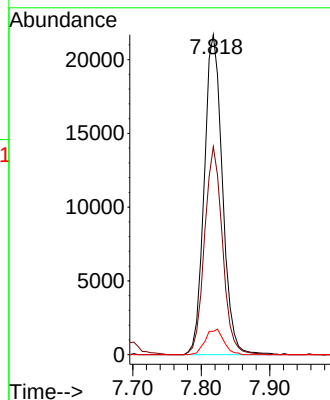
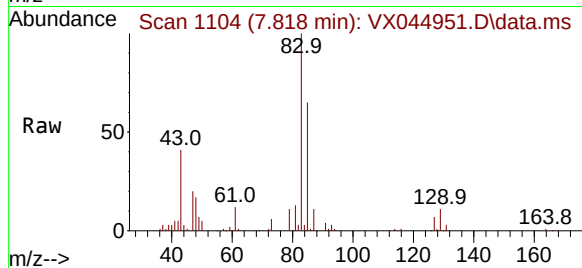
VX0214WBS01

Tgt Ion:	83	Resp:	40024
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.0	75.0
127	7.3	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#48

Methyl methacrylate

Concen: 20.739 ug/l

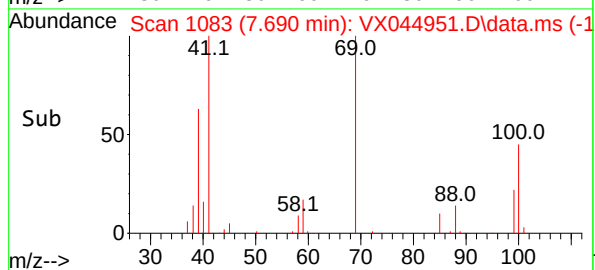
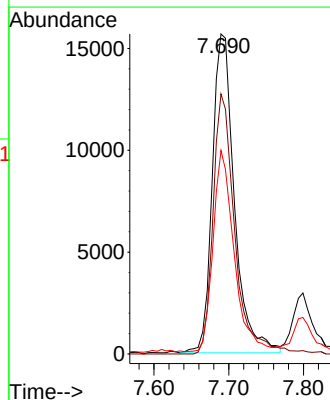
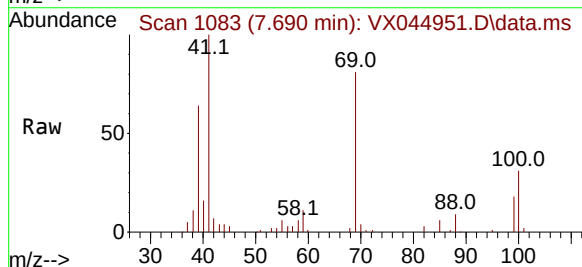
RT: 7.690 min Scan# 1083

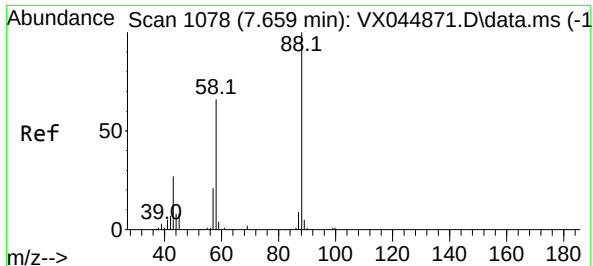
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	41	Resp:	32249
Ion	Ratio	Lower	Upper
41	100		
69	80.7	65.8	98.8
39	60.1	46.4	69.6





#49

1,4-Dioxane

Concen: 443.128 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

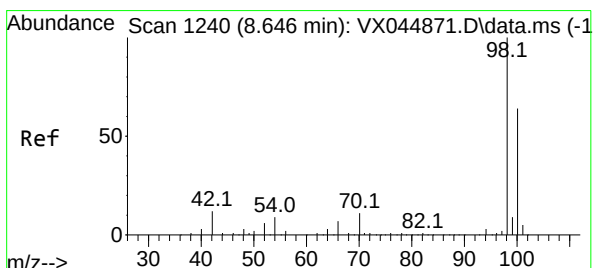
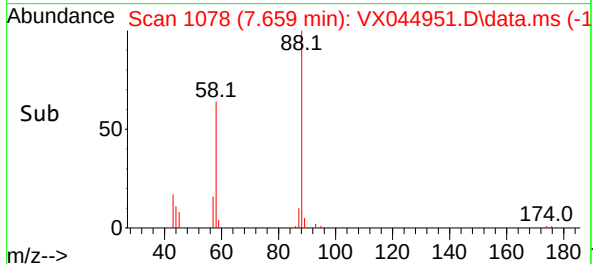
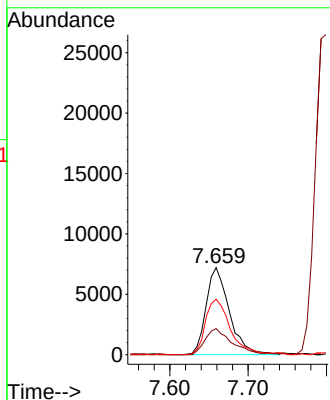
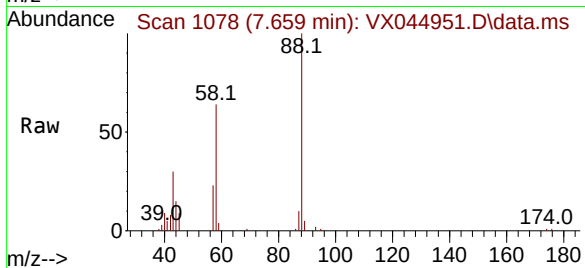
VX0214WBS01

Tgt Ion:	88	Resp:	14784
Ion	Ratio	Lower	Upper
88	100		
43	35.4	26.6	39.8
58	68.1	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#50

Toluene-d8

Concen: 49.736 ug/l

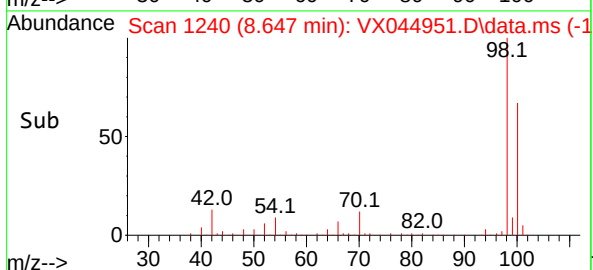
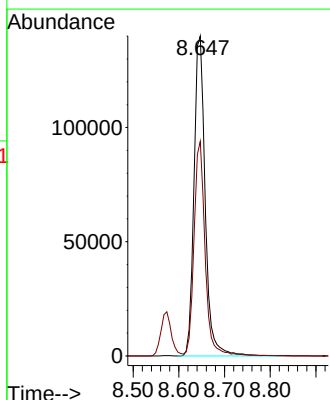
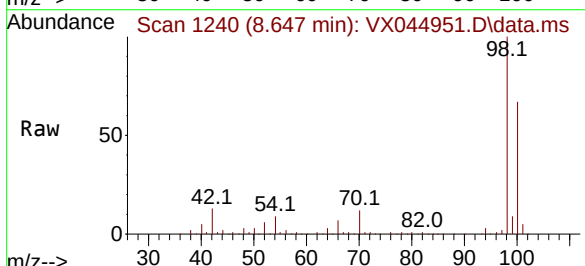
RT: 8.647 min Scan# 1240

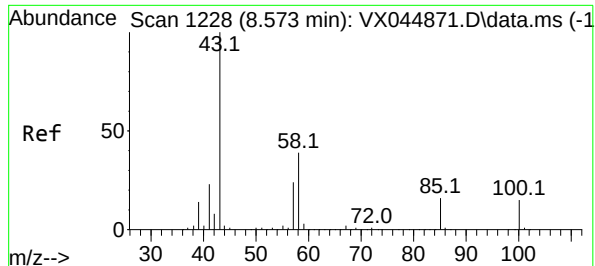
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	98	Resp:	239351
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1





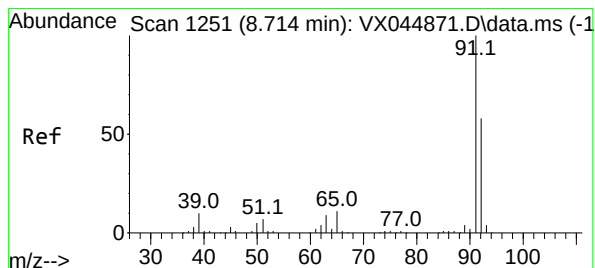
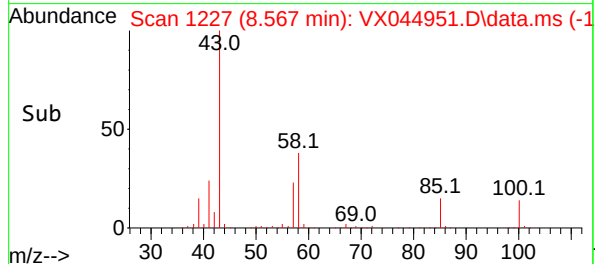
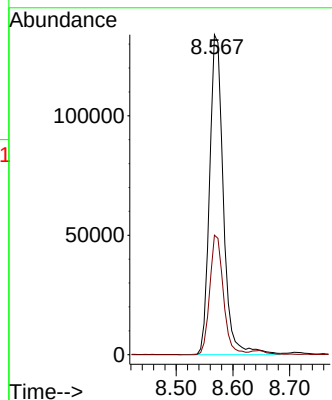
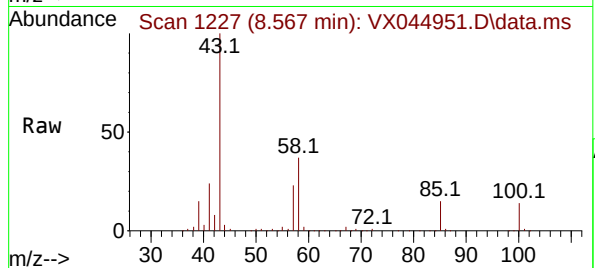
#51
4-Methyl-2-Pentanone
Concen: 112.703 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion: 43 Resp: 22596
Ion Ratio Lower Upper
43 100
58 36.8 30.8 46.2

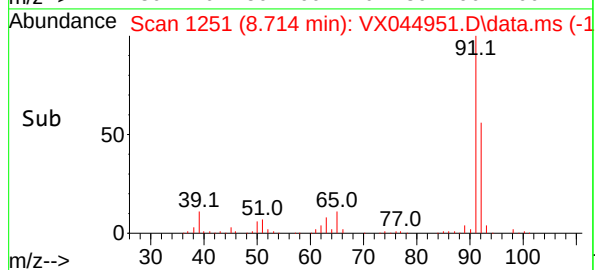
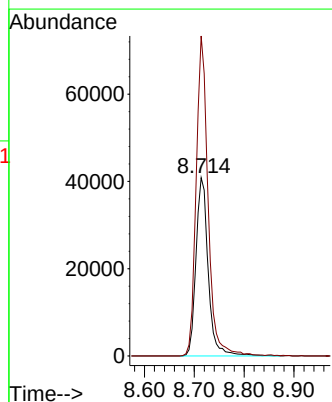
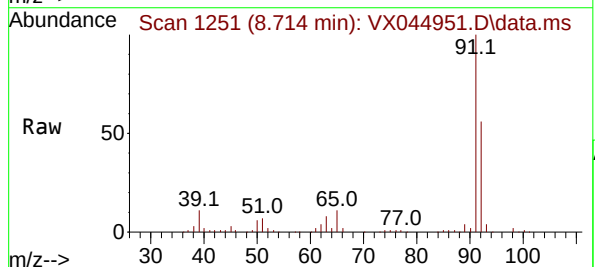
Manual Integrations
APPROVED

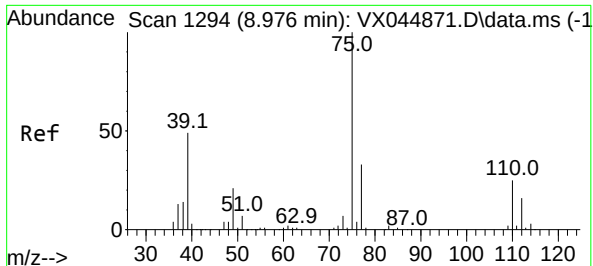
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#52
Toluene
Concen: 20.427 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 92 Resp: 69748
Ion Ratio Lower Upper
92 100
91 174.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 19.176 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 75 Resp: 37169

Ion Ratio Lower Upper

75 100

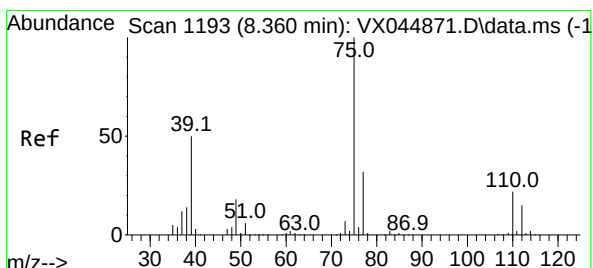
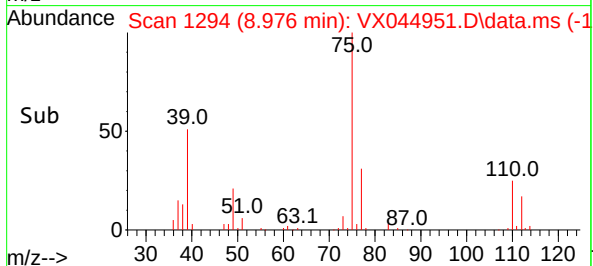
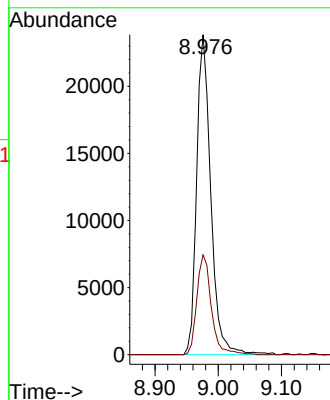
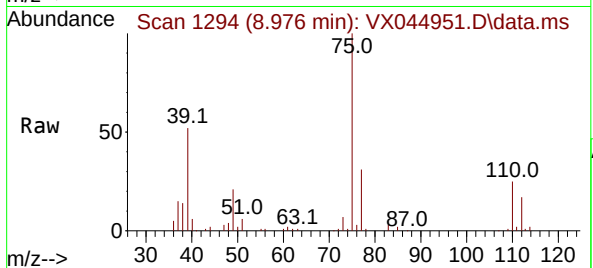
77 31.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#54

cis-1,3-Dichloropropene

Concen: 20.090 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

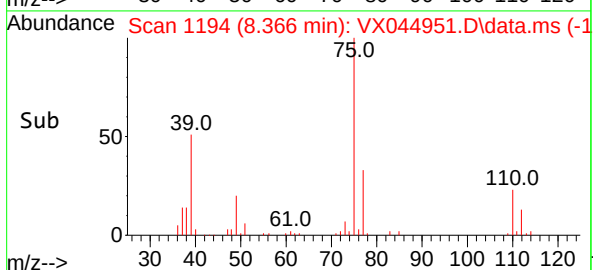
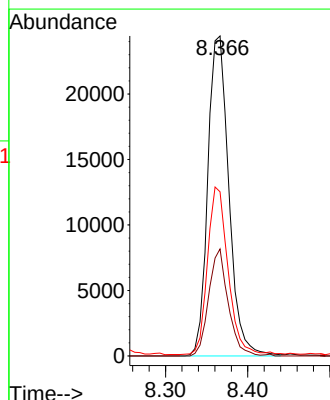
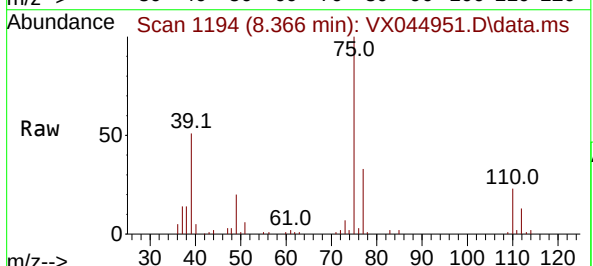
Tgt Ion: 75 Resp: 43416

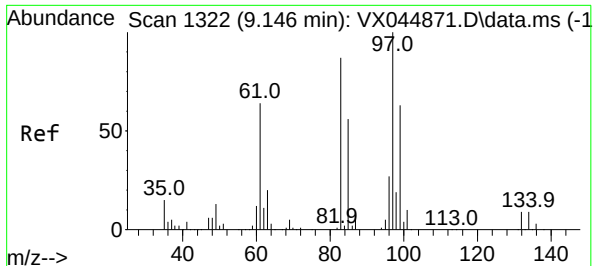
Ion Ratio Lower Upper

75 100

77 33.4 25.3 37.9

39 50.9 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.245 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 97 Resp: 2788

Ion Ratio Lower Upper

97 100

83 84.9 69.8 104.6

85 57.3 44.8 67.2

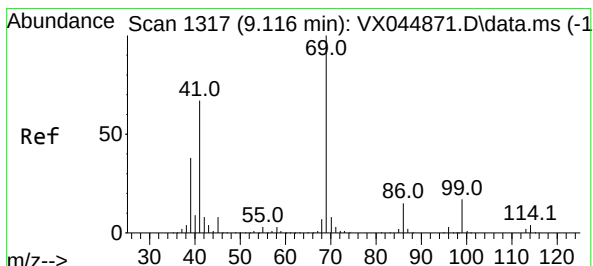
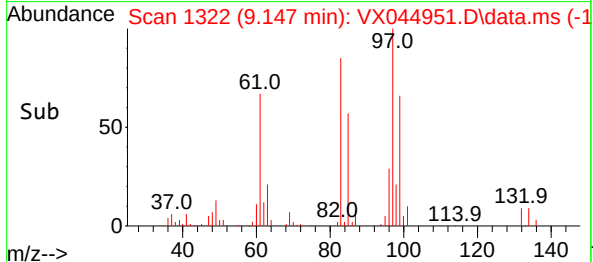
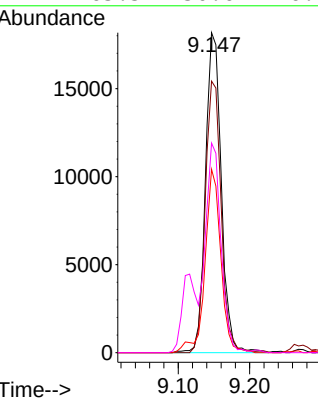
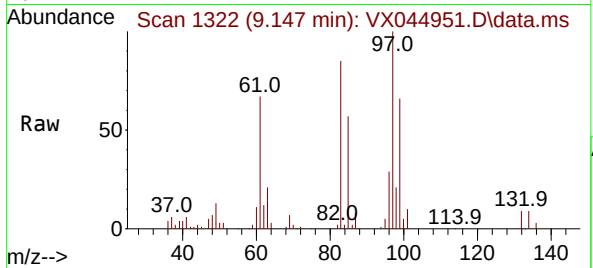
99 65.5 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#56

Ethyl methacrylate

Concen: 20.021 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

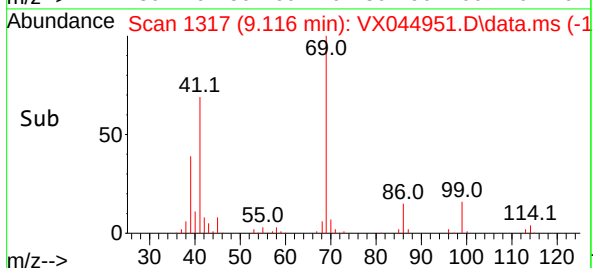
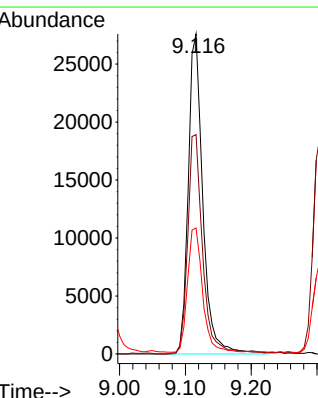
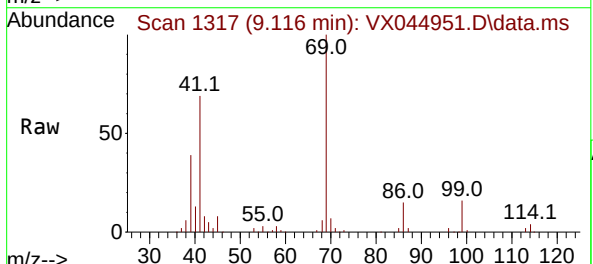
Tgt Ion: 69 Resp: 42444

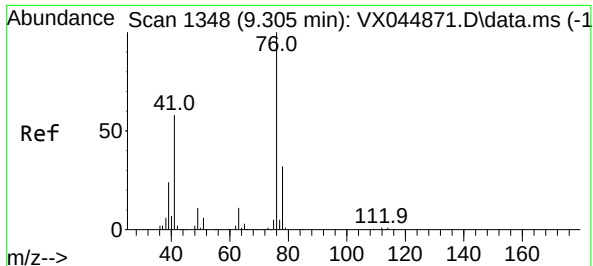
Ion Ratio Lower Upper

69 100

41 70.6 55.2 82.8

39 39.9 30.8 46.2





#57

1,3-Dichloropropane

Concen: 20.820 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 76 Resp: 4781

Ion Ratio Lower Upper

76 100

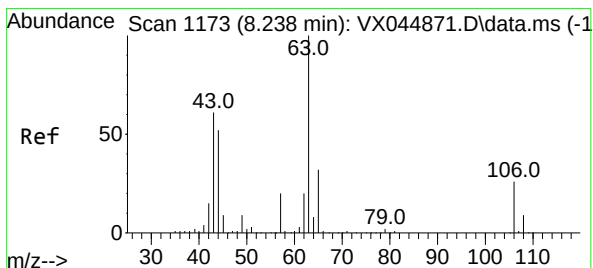
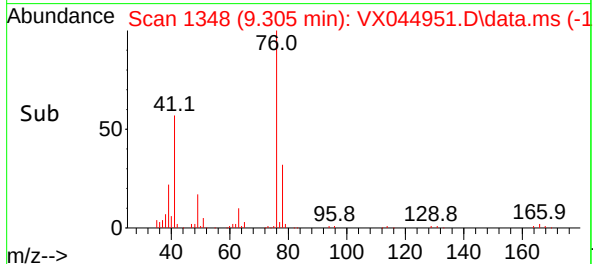
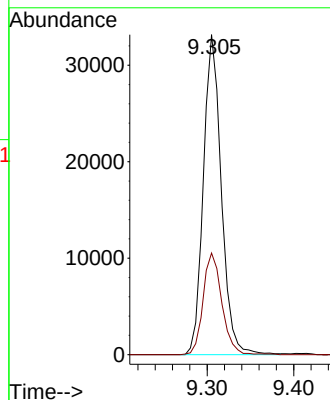
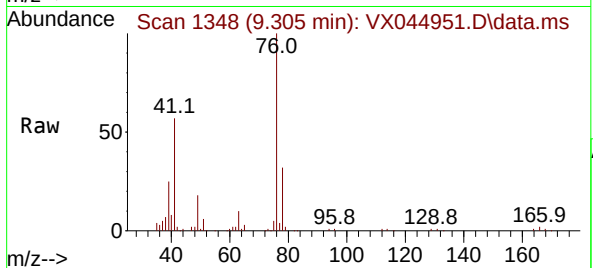
78 33.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 103.151 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044951.D

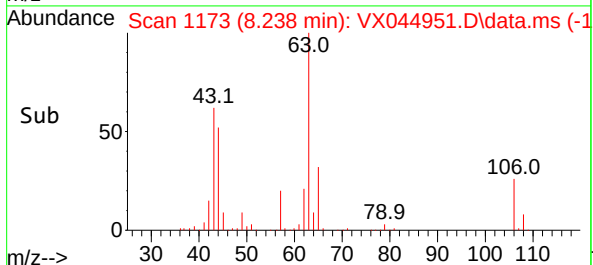
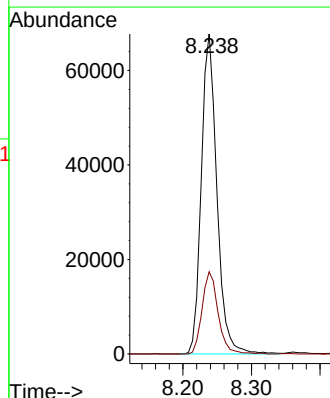
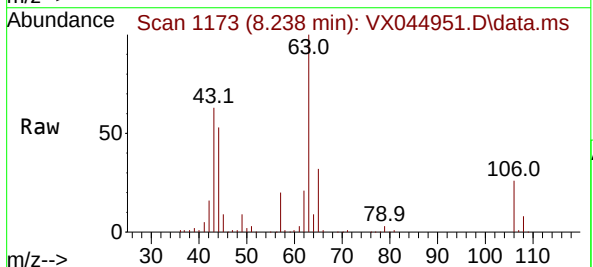
Acq: 14 Feb 2025 11:14

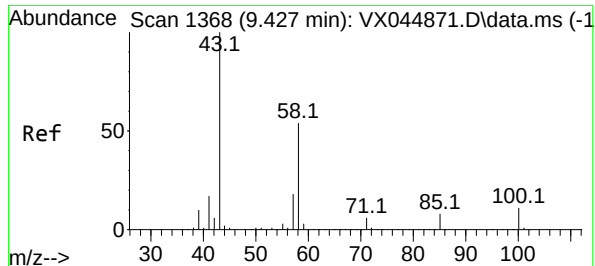
Tgt Ion: 63 Resp: 107373

Ion Ratio Lower Upper

63 100

106 26.4 21.3 31.9





#59

2-Hexanone

Concen: 115.365 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 43 Resp: 16665

Ion Ratio Lower Upper

43 100

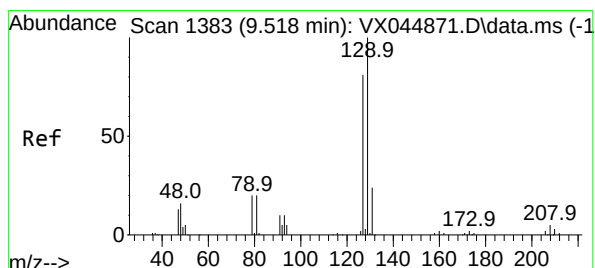
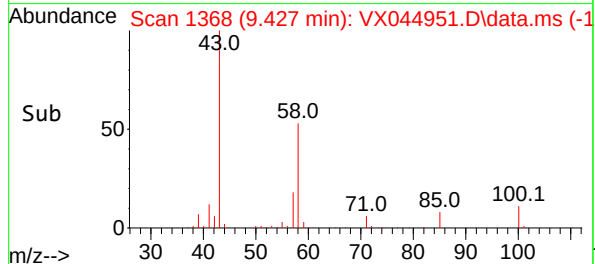
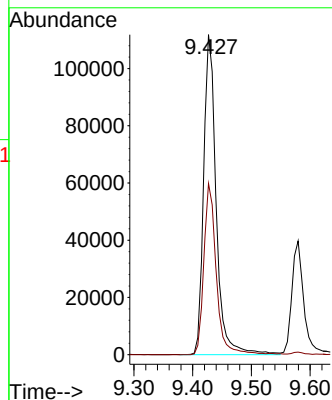
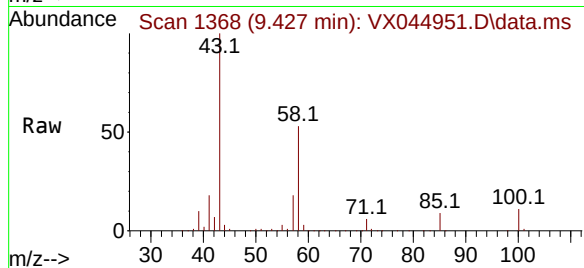
58 52.8 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#60

Dibromochloromethane

Concen: 20.721 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044951.D

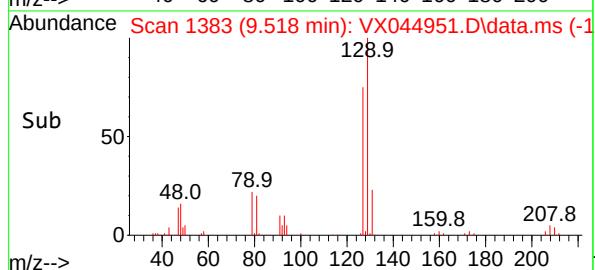
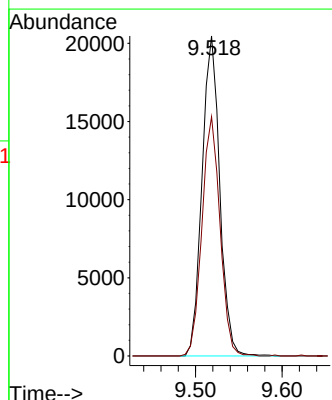
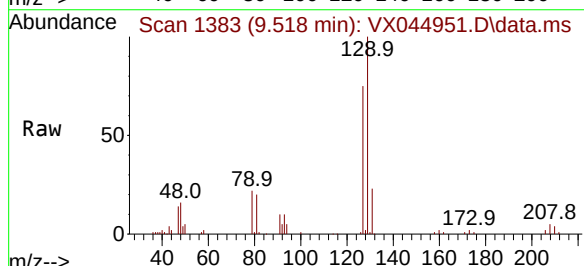
Acq: 14 Feb 2025 11:14

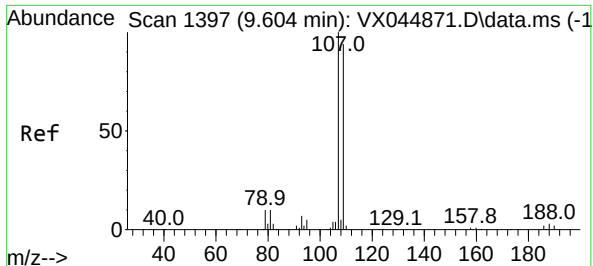
Tgt Ion:129 Resp: 29087

Ion Ratio Lower Upper

129 100

127 76.2 39.1 117.3





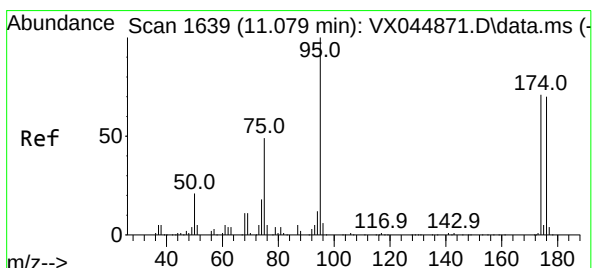
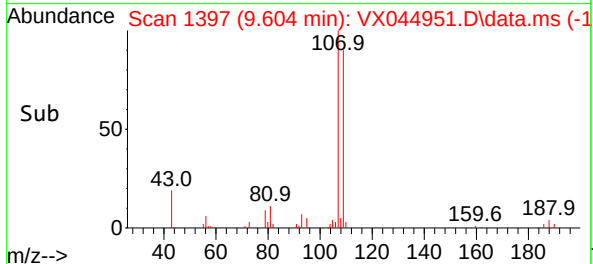
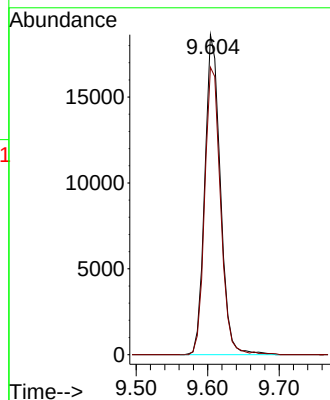
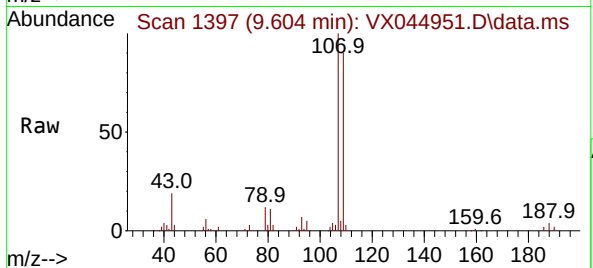
#61
1,2-Dibromoethane
Concen: 21.163 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion:107 Resp: 2815
Ion Ratio Lower Upper
107 100
109 91.6 75.9 113.9

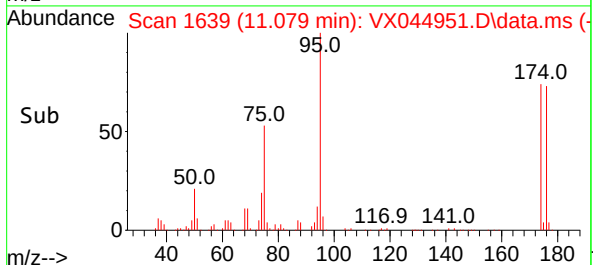
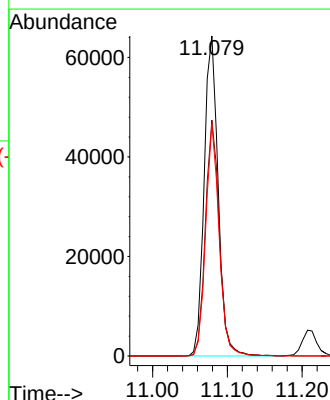
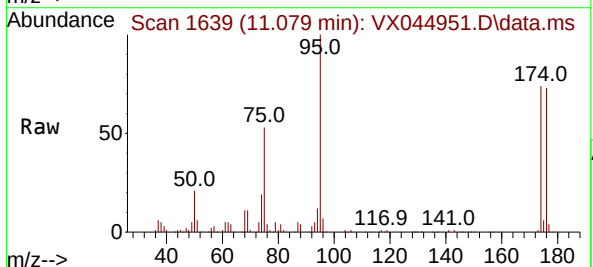
Manual Integrations
APPROVED

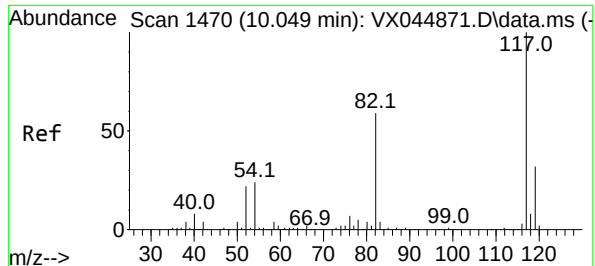
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#62
4-Bromofluorobenzene
Concen: 51.472 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

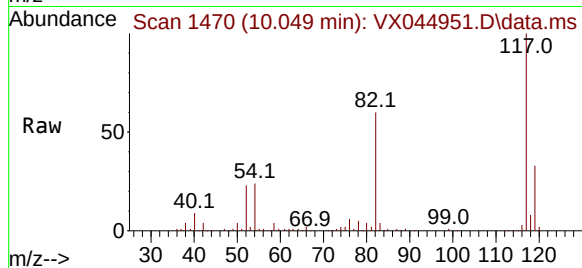
Tgt Ion: 95 Resp: 83506
Ion Ratio Lower Upper
95 100
174 74.0 0.0 142.6
176 69.6 0.0 141.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

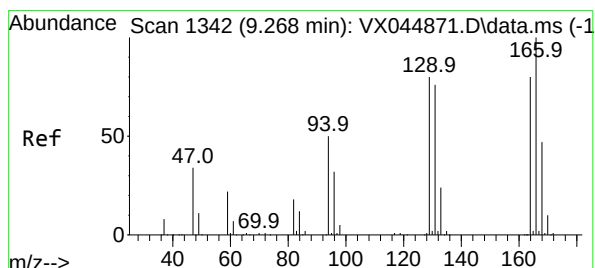
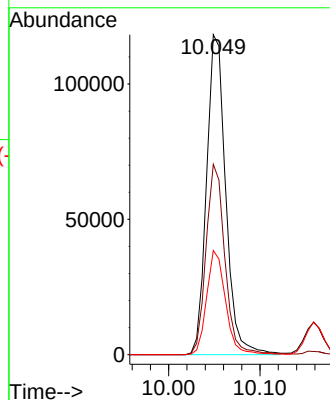
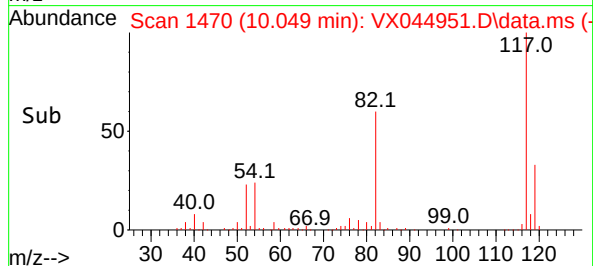
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01



Tgt Ion:117 Resp: 172020
Ion Ratio Lower Upper
117 100
82 59.5 47.5 71.3
119 32.5 25.4 38.0

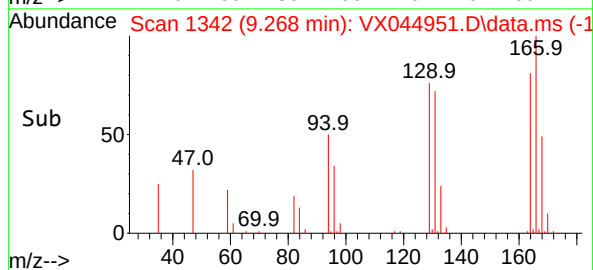
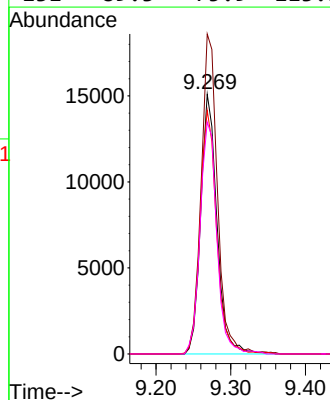
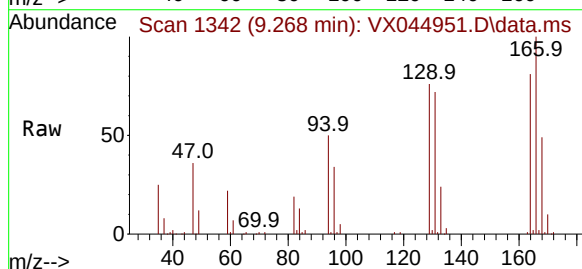
Manual Integrations
APPROVED

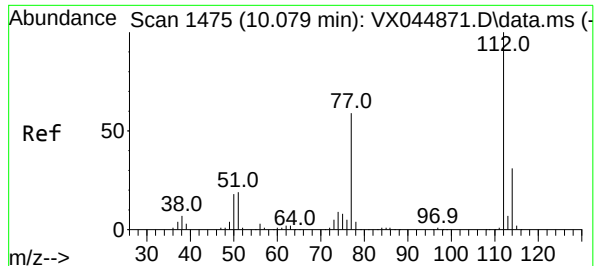
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#64
Tetrachloroethene
Concen: 20.951 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:164 Resp: 22728
Ion Ratio Lower Upper
164 100
166 123.3 100.4 150.6
129 93.7 79.9 119.9
131 89.3 75.9 113.9





#65

Chlorobenzene

Concen: 20.200 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion:112 Resp: 7463

Ion Ratio Lower Upper

112 100

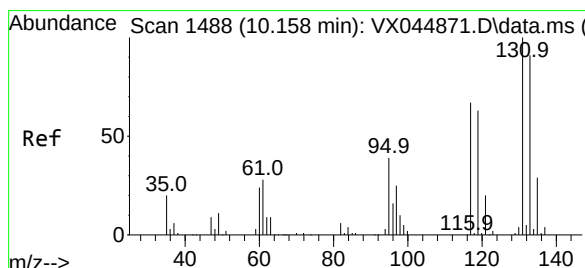
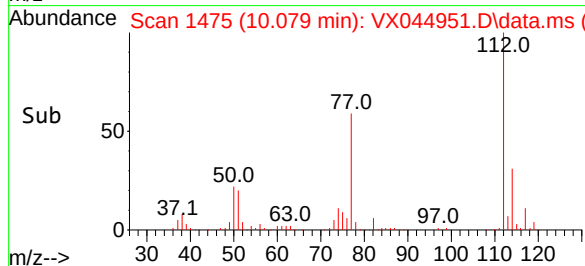
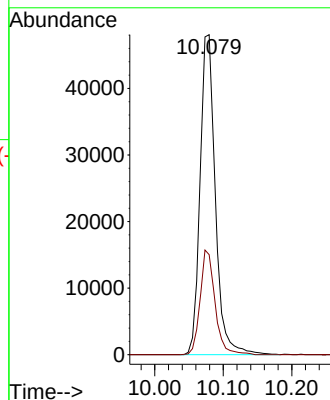
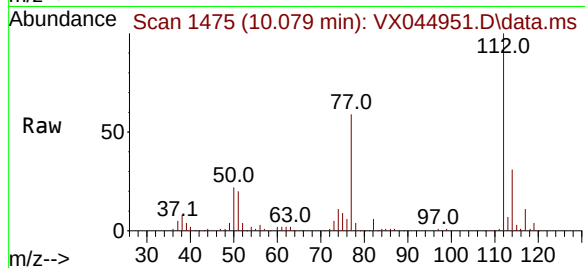
114 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.514 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

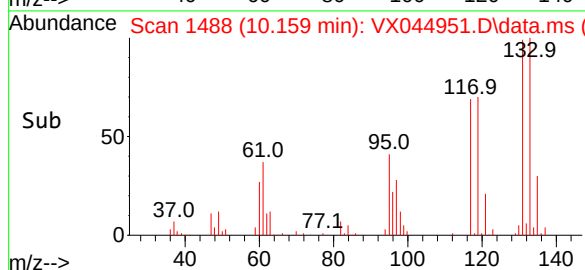
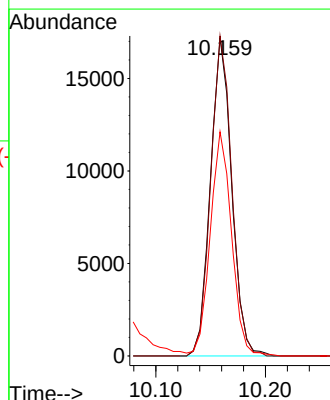
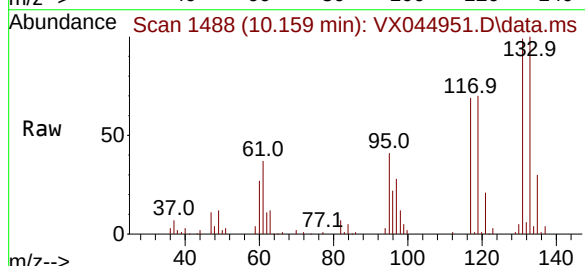
Tgt Ion:131 Resp: 23206

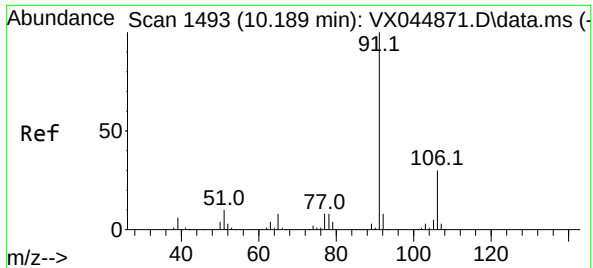
Ion Ratio Lower Upper

131 100

133 99.9 47.1 141.3

119 70.7 33.6 100.6





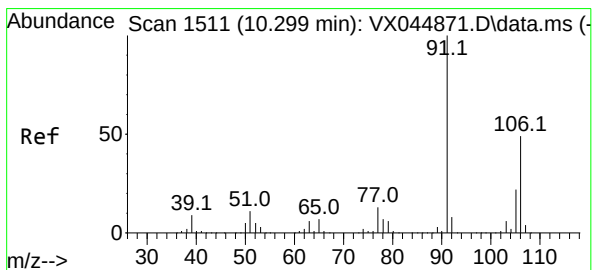
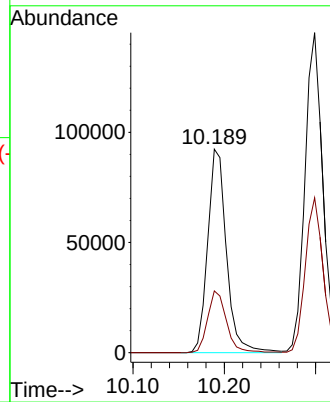
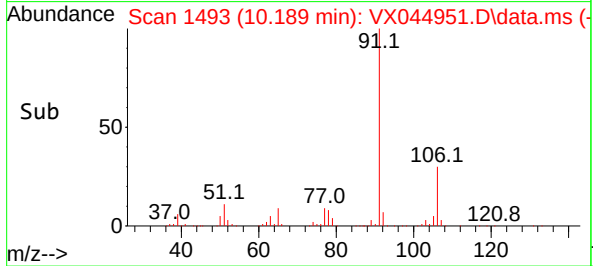
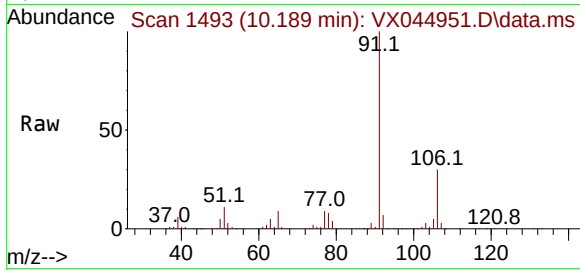
#67
Ethyl Benzene
Concen: 20.199 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion: 91 Resp: 131698
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

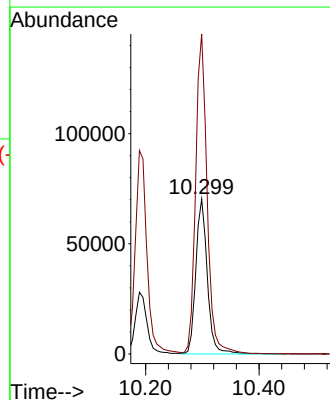
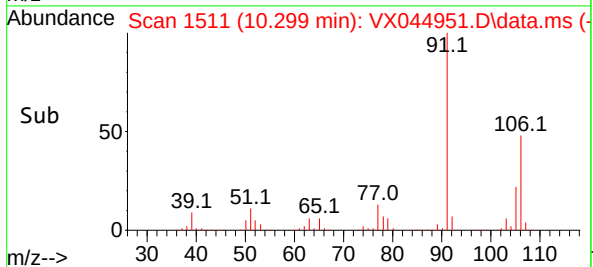
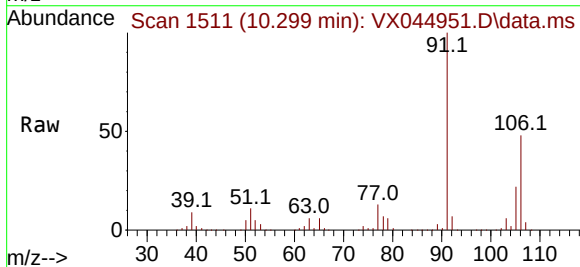
Manual Integrations
APPROVED

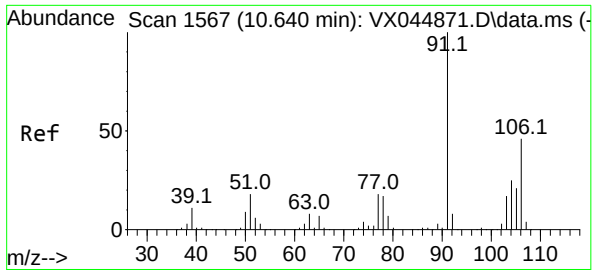
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#68
m/p-Xylenes
Concen: 41.113 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:106 Resp: 98883
Ion Ratio Lower Upper
106 100
91 205.8 164.3 246.5





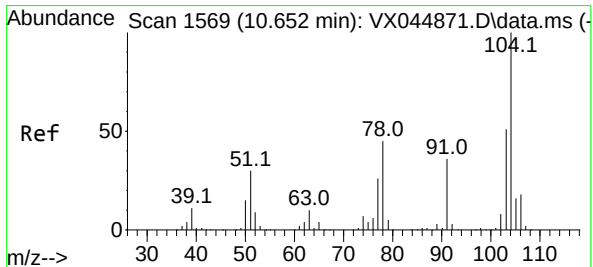
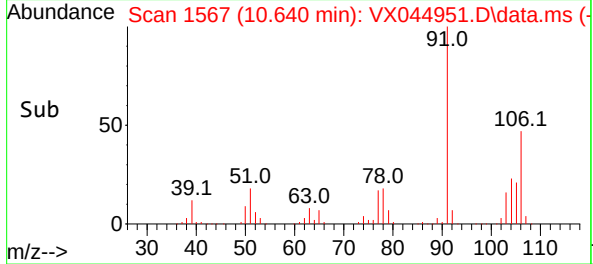
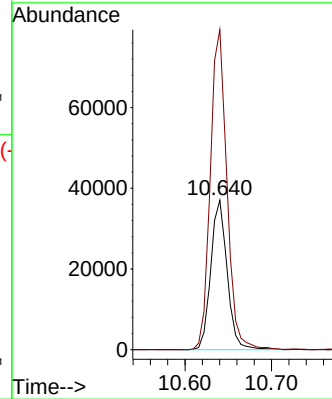
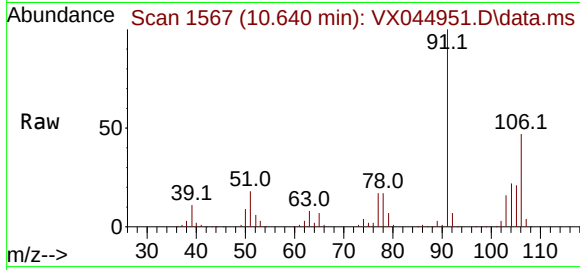
#69
o-Xylene
Concen: 20.177 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion:106 Resp: 48694
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.5

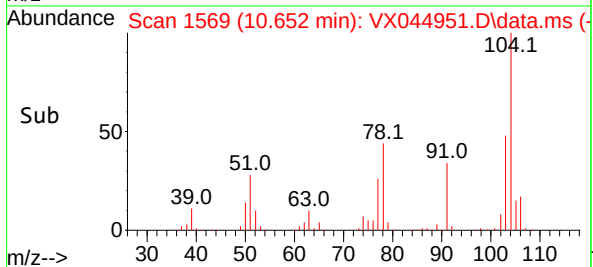
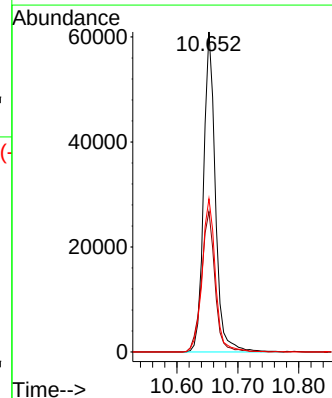
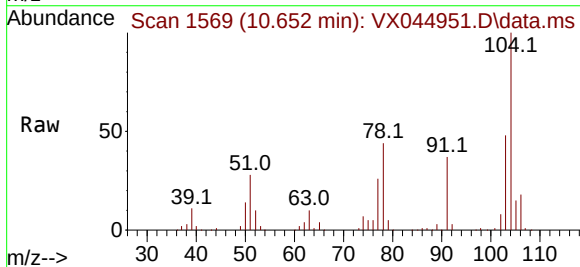
Manual Integrations
APPROVED

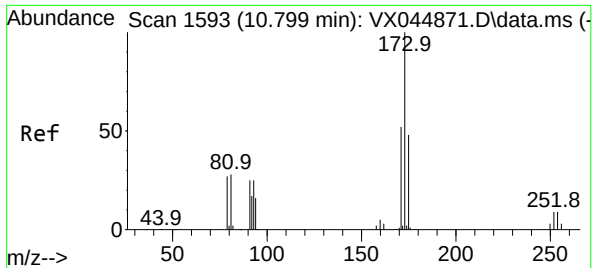
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#70
Styrene
Concen: 21.020 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

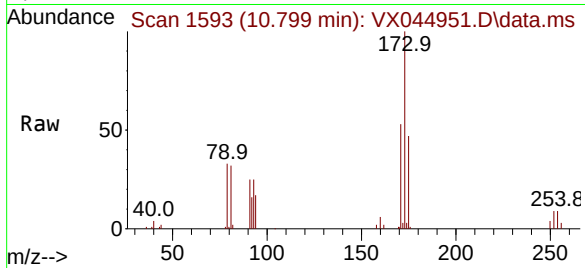
Tgt Ion:104 Resp: 81730
Ion Ratio Lower Upper
104 100
78 50.5 40.5 60.7
103 54.2 43.6 65.4





#71
Bromoform
Concen: 20.750 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

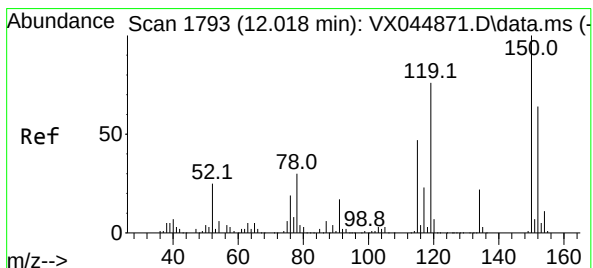
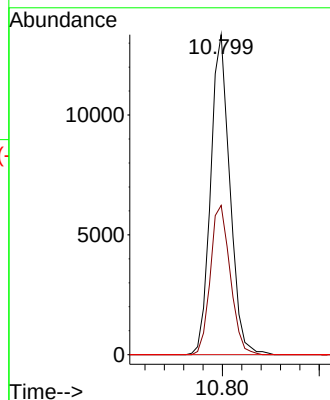
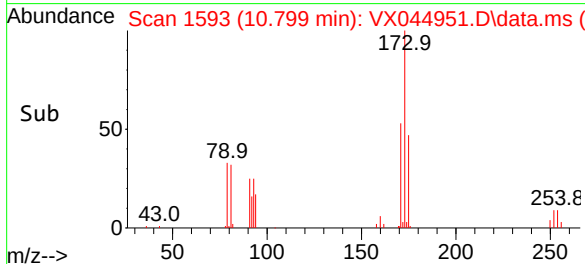
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01



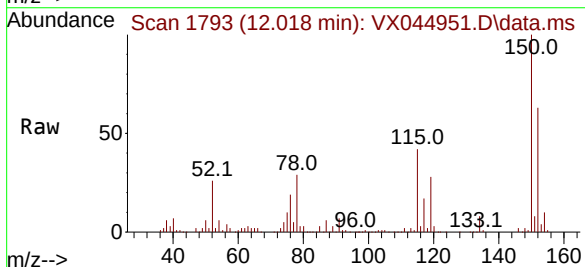
Tgt Ion:173 Resp: 18410
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

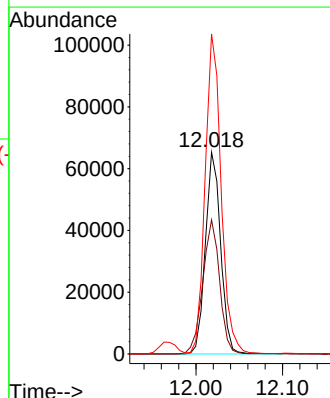
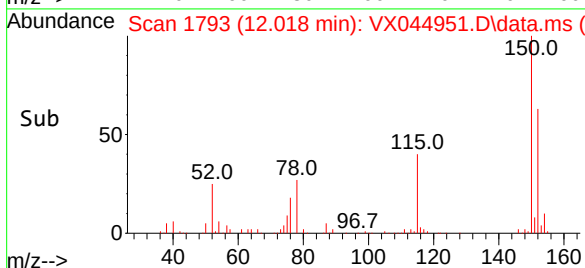
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

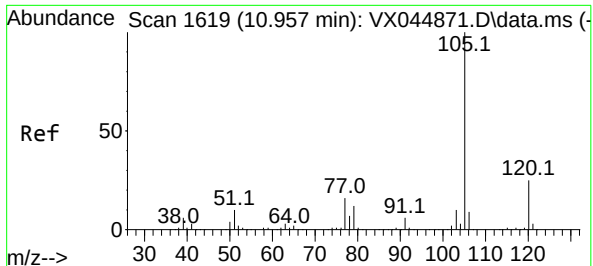


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14



Tgt Ion:152 Resp: 79806
Ion Ratio Lower Upper
152 100
115 73.4 43.4 130.1
150 165.9 0.0 350.4





#73

Isopropylbenzene

Concen: 19.326 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion:105 Resp: 12418

Ion Ratio Lower Upper

105 100

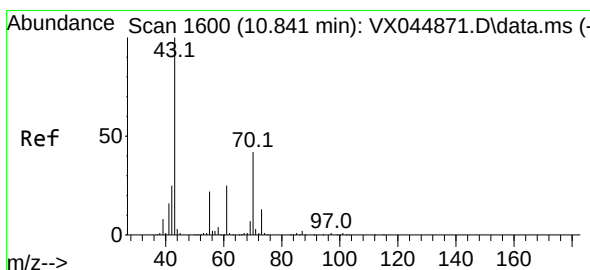
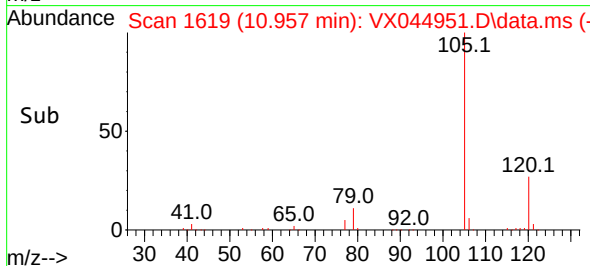
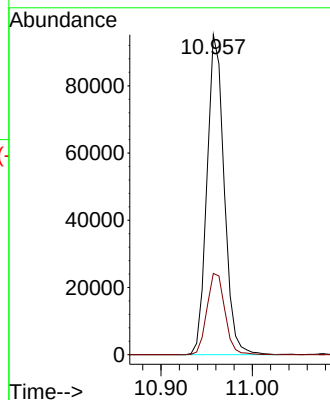
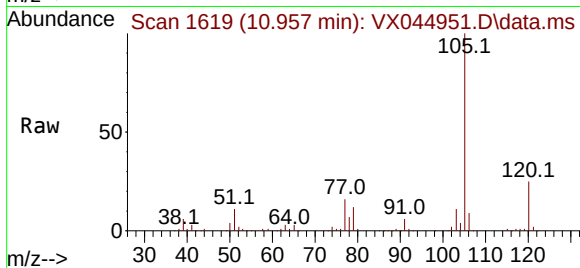
120 26.6 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#74

N-ethyl acetate

Concen: 19.677 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion: 43 Resp: 57217

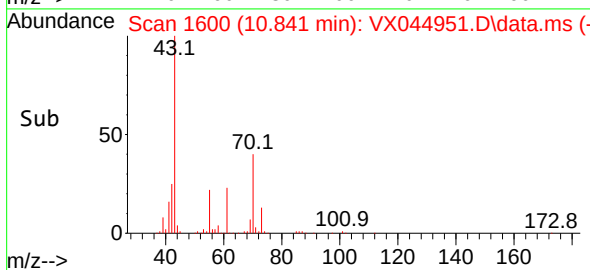
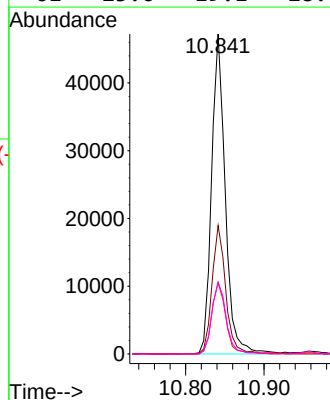
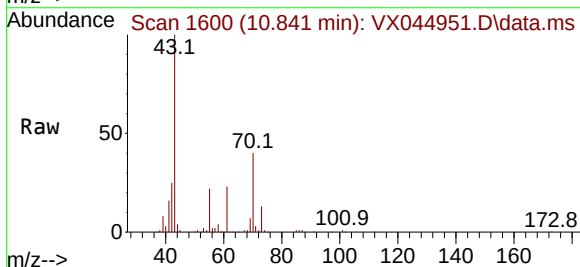
Ion Ratio Lower Upper

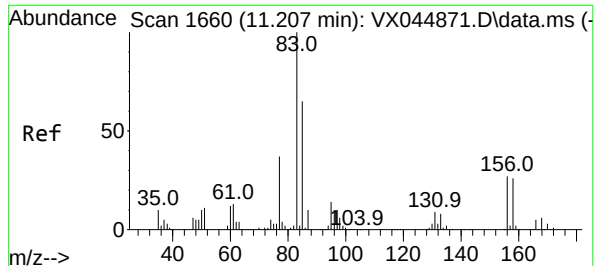
43 100

70 40.2 33.7 50.5

55 23.2 18.6 27.8

61 23.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.979 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

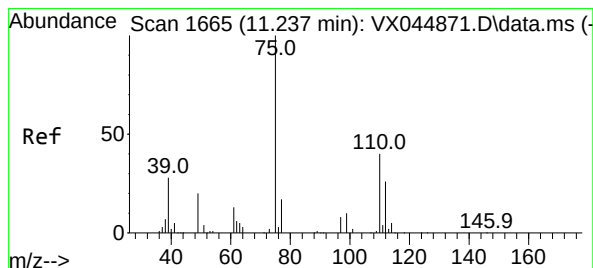
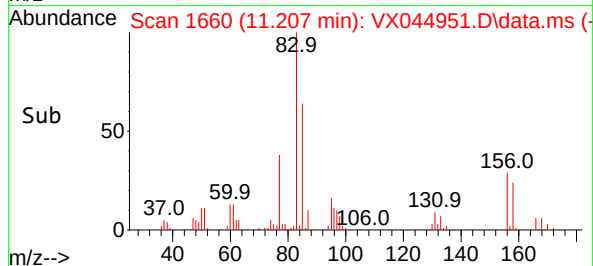
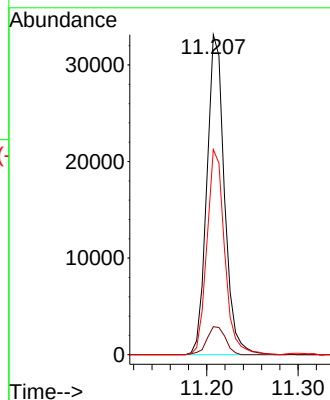
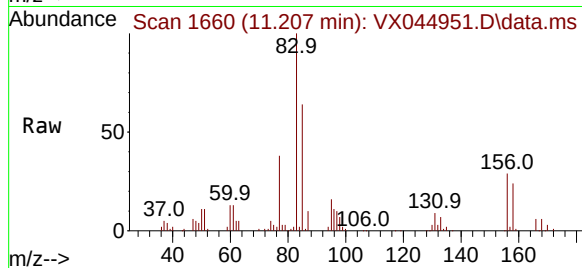
Tgt Ion:	83	Resp:	44110
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	64.5	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#76

1,2,3-Trichloropropane

Concen: 20.404 ug/l m

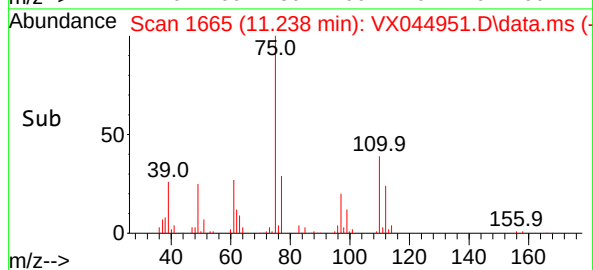
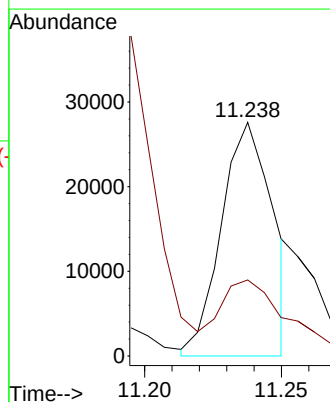
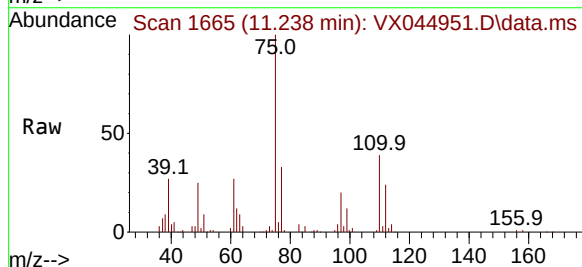
RT: 11.238 min Scan# 1665

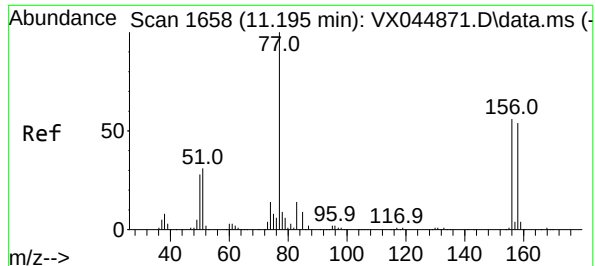
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	75	Resp:	36103
Ion	Ratio	Lower	Upper
75	100		
77	43.2	21.9	65.7





#77

Bromobenzene

Concen: 20.519 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

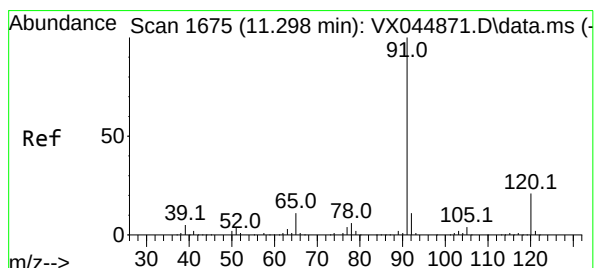
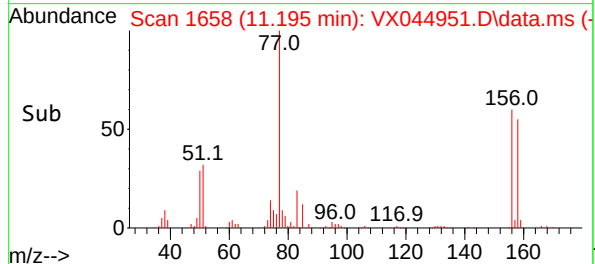
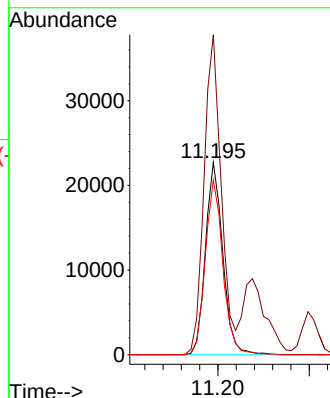
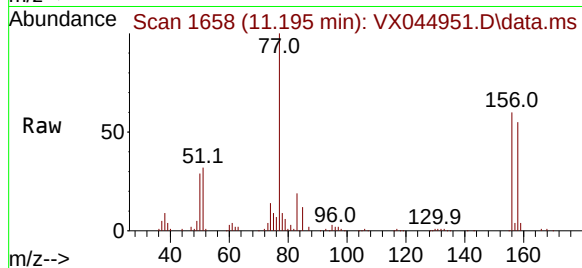
VX0214WBS01

Tgt Ion:	156	Resp:	2989
Ion Ratio	Lower	Upper	
156	100		
77	164.5	88.4	265.3
158	92.2	48.4	145.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#78

n-propylbenzene

Concen: 19.510 ug/l

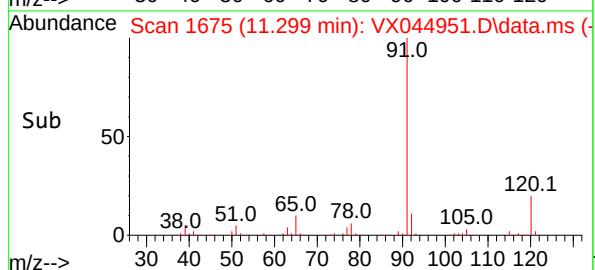
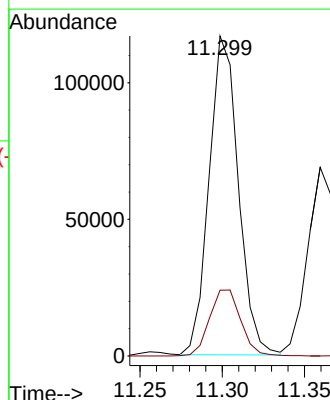
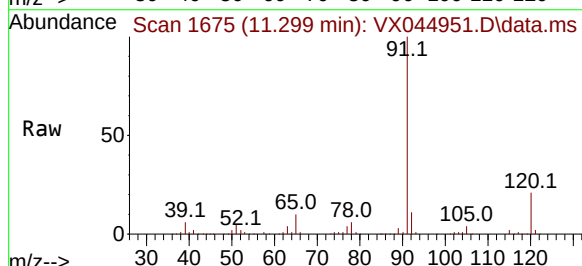
RT: 11.299 min Scan# 1675

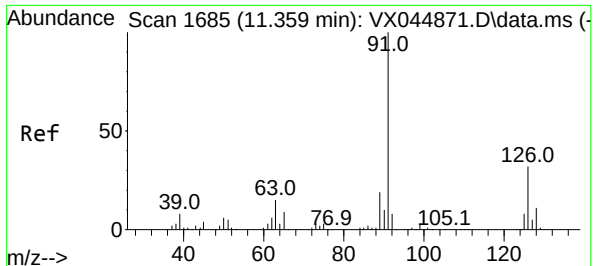
Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	91	Resp:	144703
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.454 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 91 Resp: 88678

Ion Ratio Lower Upper

91 100

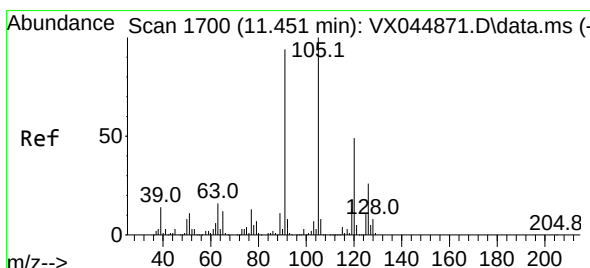
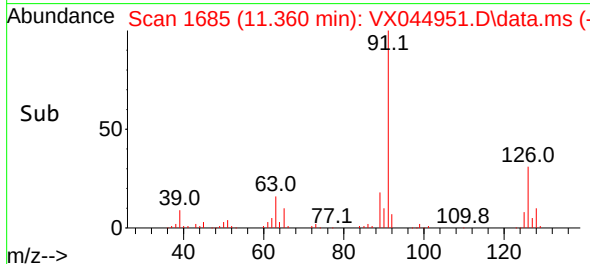
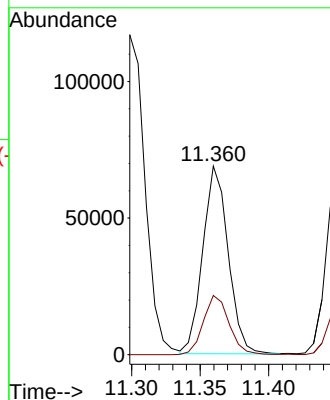
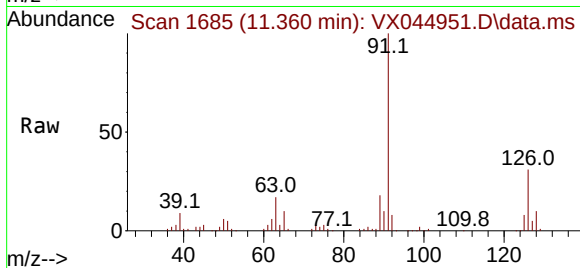
126 31.9 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.987 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044951.D

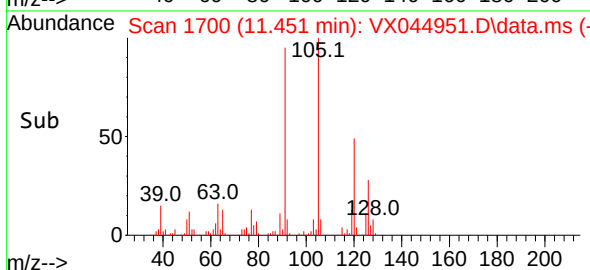
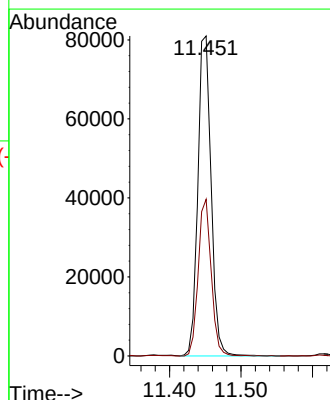
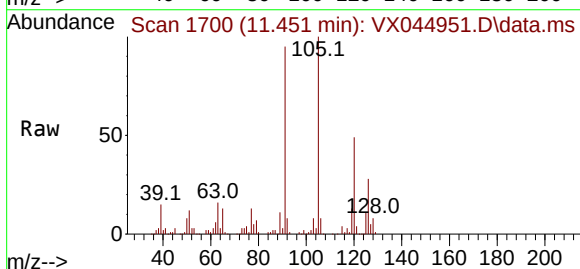
Acq: 14 Feb 2025 11:14

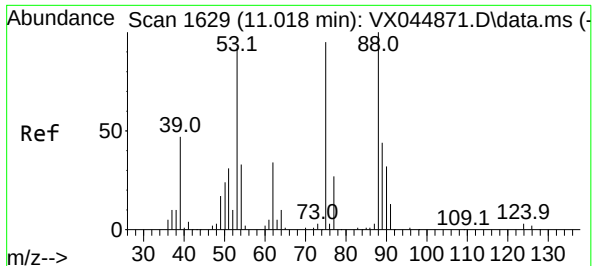
Tgt Ion:105 Resp: 104223

Ion Ratio Lower Upper

105 100

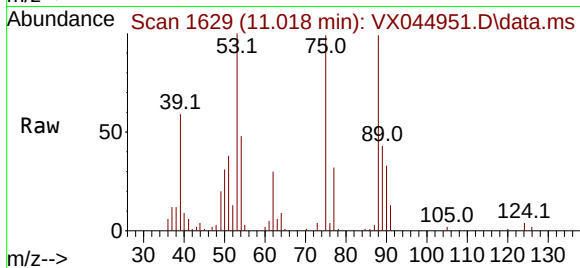
120 48.0 24.0 72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.914 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

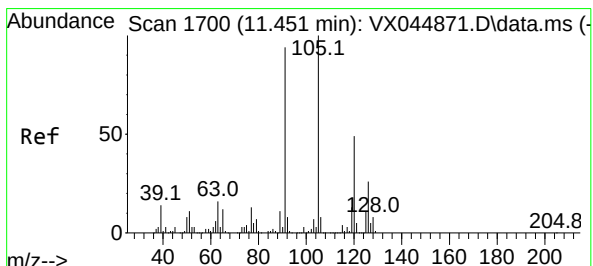
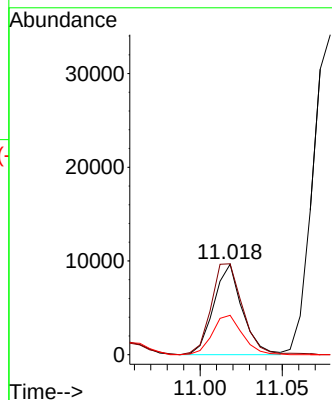
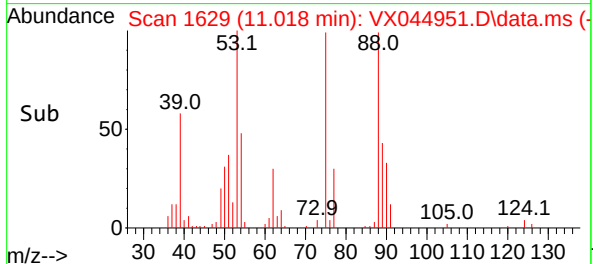
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01



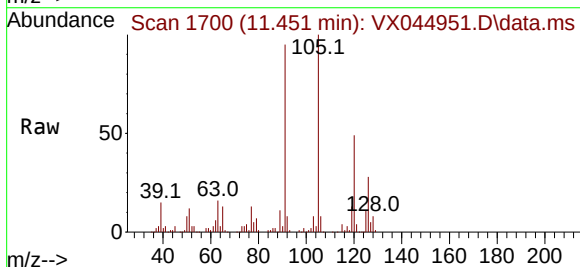
Tgt Ion: 75 Resp: 11634
Ion Ratio Lower Upper
75 100
53 111.0 78.0 117.0
89 45.9 36.6 54.8

Manual Integrations
APPROVED

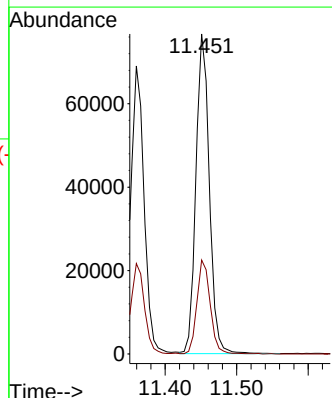
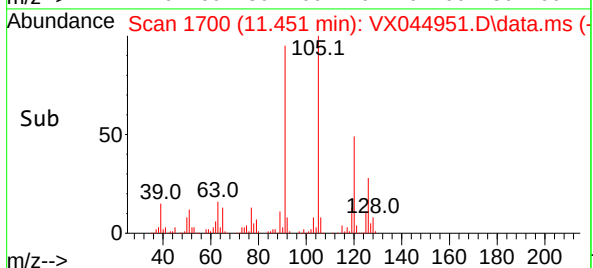
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

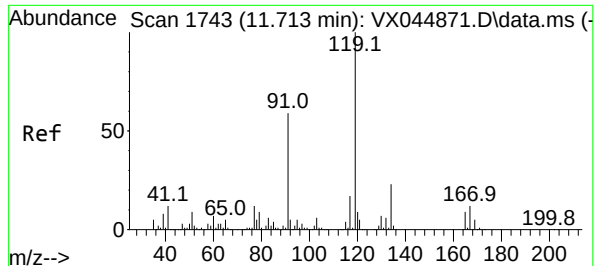


#82
4-Chlorotoluene
Concen: 19.736 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14



Tgt Ion: 91 Resp: 99533
Ion Ratio Lower Upper
91 100
126 28.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 19.838 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion:119 Resp: 10465

Ion Ratio Lower Upper

119 100

91 59.1 29.1 87.4

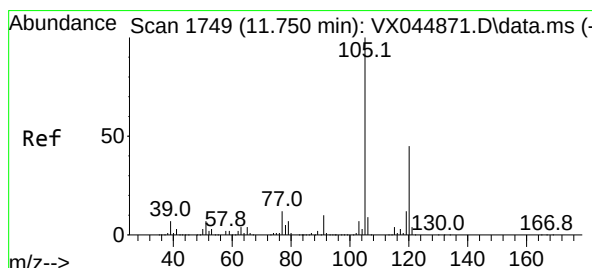
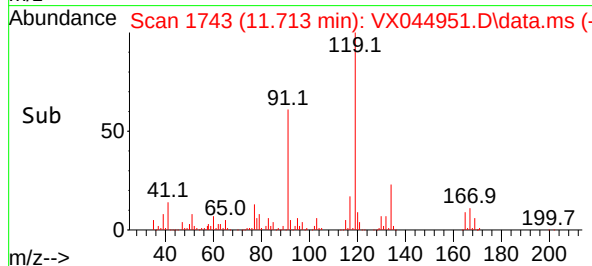
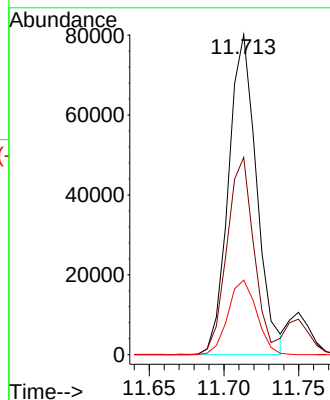
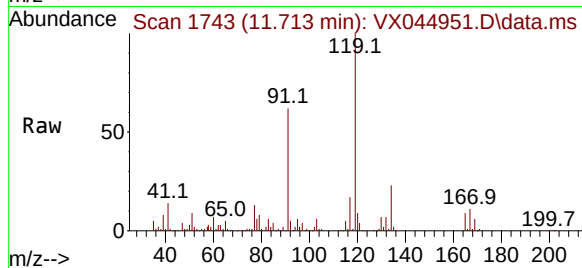
134 23.8 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.366 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044951.D

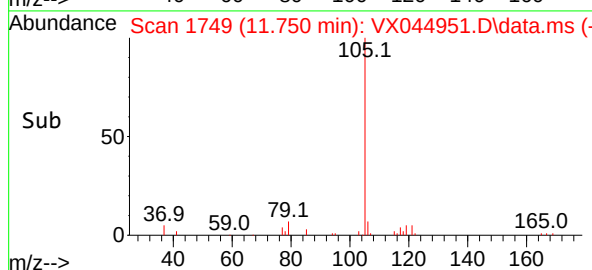
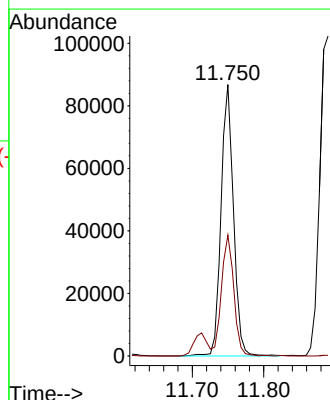
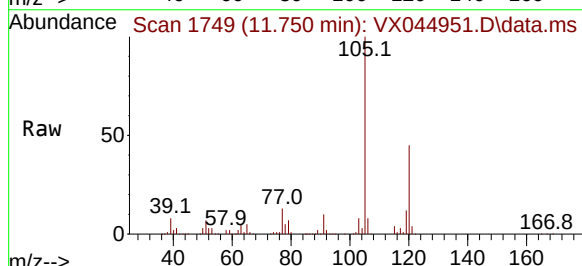
Acq: 14 Feb 2025 11:14

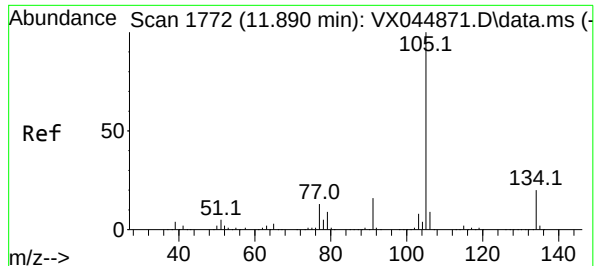
Tgt Ion:105 Resp: 104819

Ion Ratio Lower Upper

105 100

120 44.3 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.130 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion:105 Resp: 131498

Ion Ratio Lower Upper

105 100

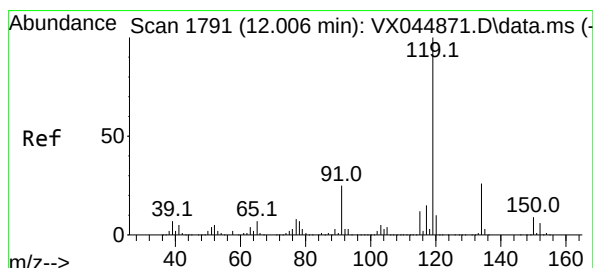
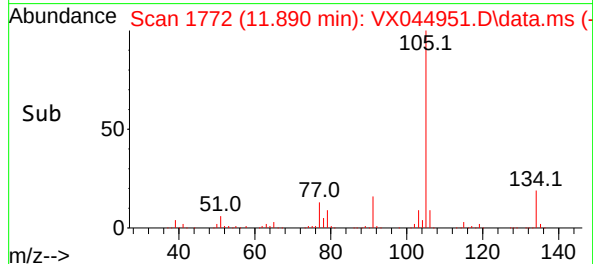
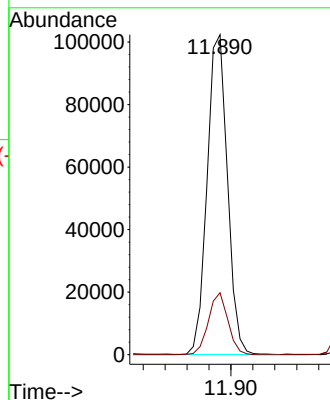
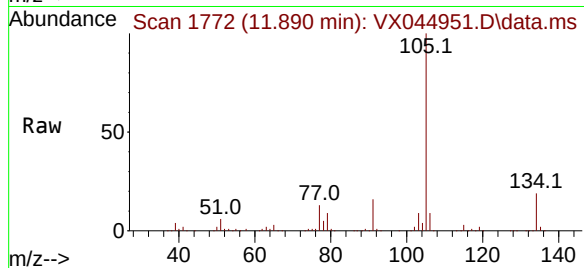
134 18.7 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#86

p-Isopropyltoluene

Concen: 20.351 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

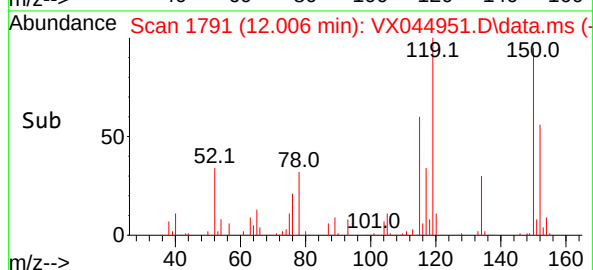
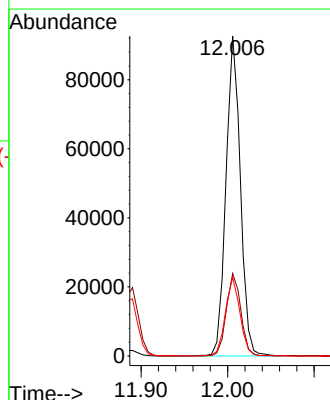
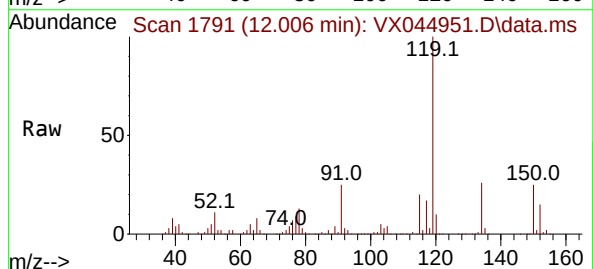
Tgt Ion:119 Resp: 106908

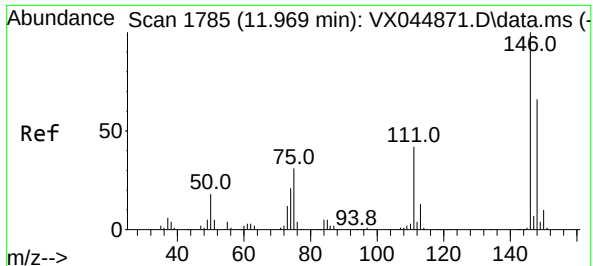
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.704 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion:146 Resp: 52788

Ion Ratio Lower Upper

146 100

111 42.5 21.2 63.6

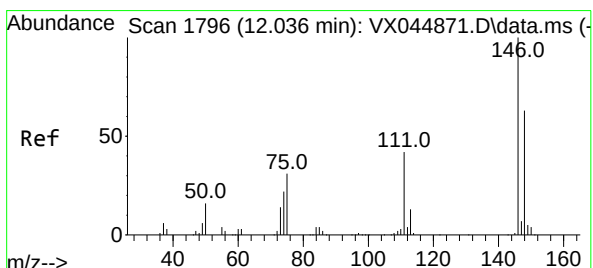
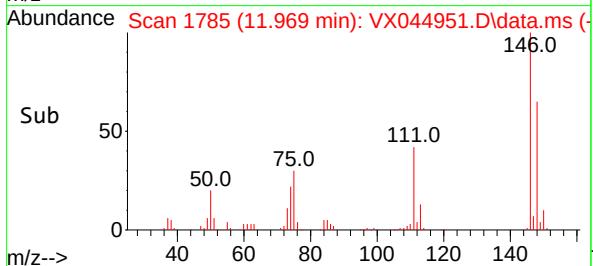
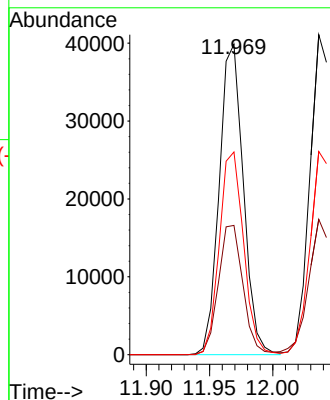
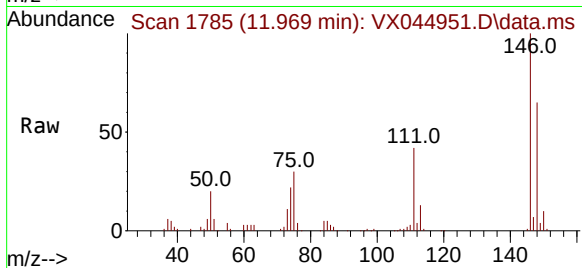
148 65.7 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#88

1,4-Dichlorobenzene

Concen: 19.722 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

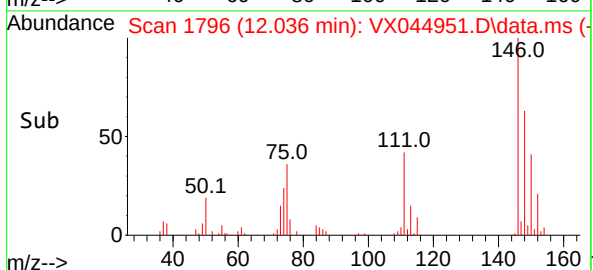
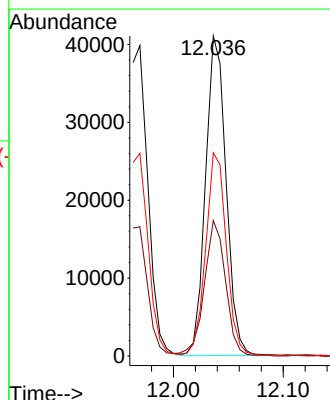
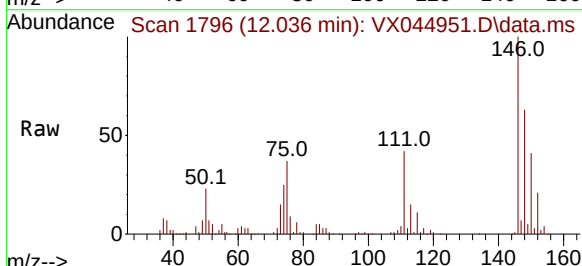
Tgt Ion:146 Resp: 53421

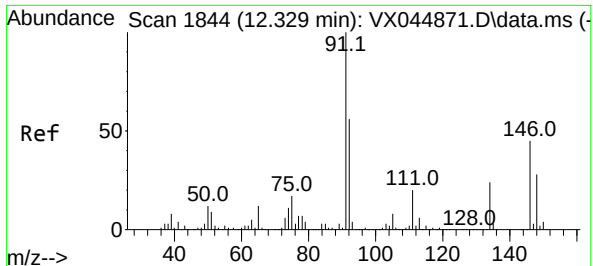
Ion Ratio Lower Upper

146 100

111 43.9 20.4 61.3

148 64.7 32.0 96.0





#89

n-Butylbenzene

Concen: 20.347 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

Tgt Ion: 91 Resp: 9456

Ion Ratio Lower Upper

91 100

92 53.6 27.2 81.6

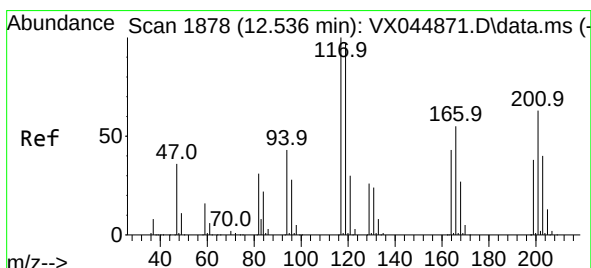
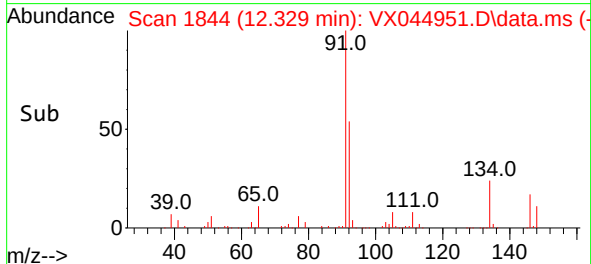
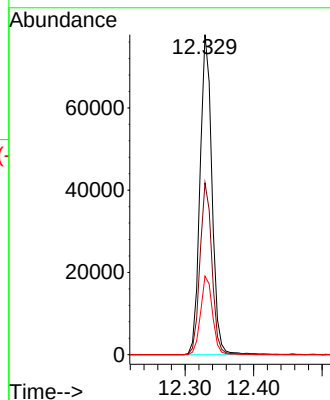
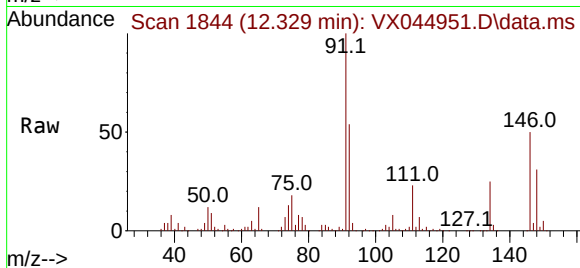
134 24.6 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#90

Hexachloroethane

Concen: 18.433 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044951.D

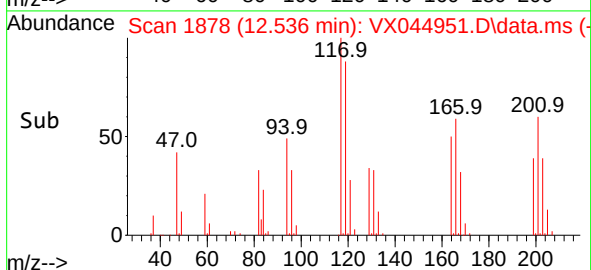
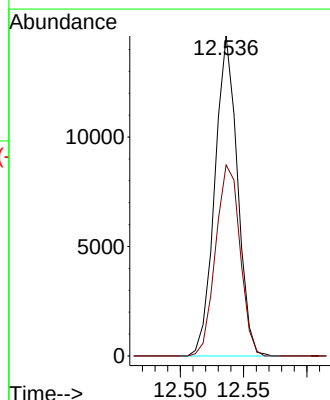
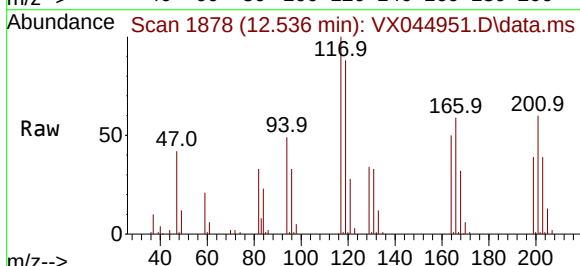
Acq: 14 Feb 2025 11:14

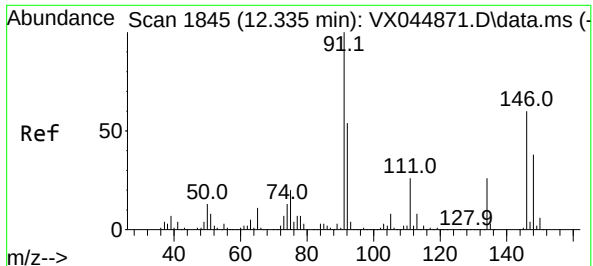
Tgt Ion:117 Resp: 18131

Ion Ratio Lower Upper

117 100

201 64.5 32.5 97.5





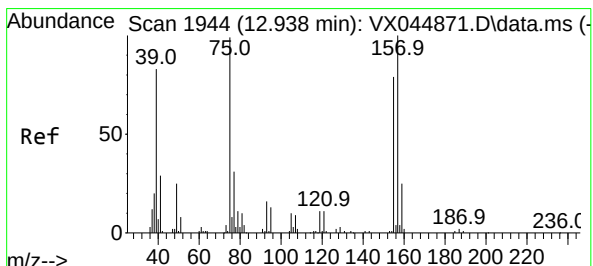
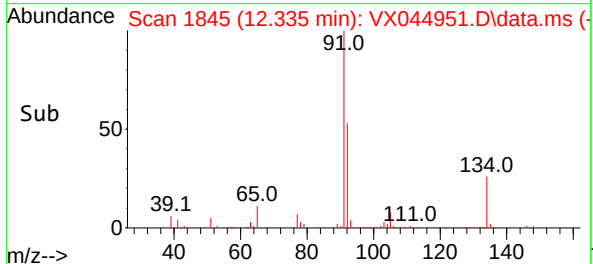
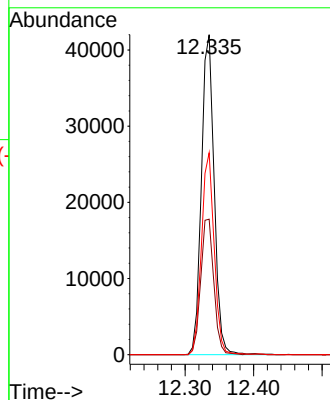
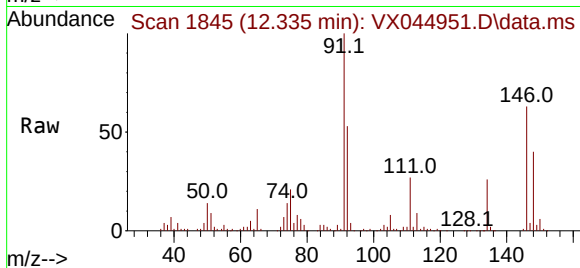
#91
1,2-Dichlorobenzene
Concen: 20.701 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion:	146	Resp:	5450
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.8	65.4
148	62.8	31.9	95.9

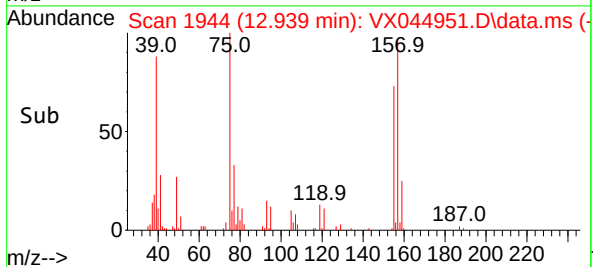
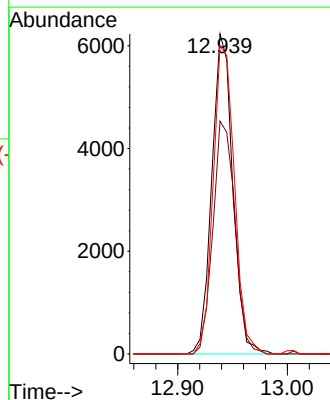
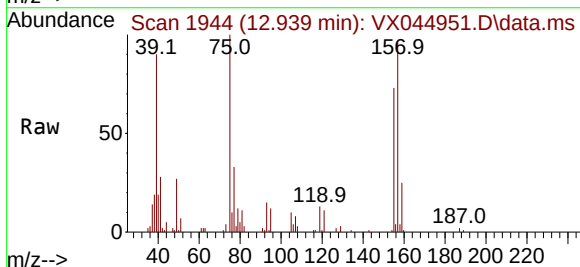
Manual Integrations
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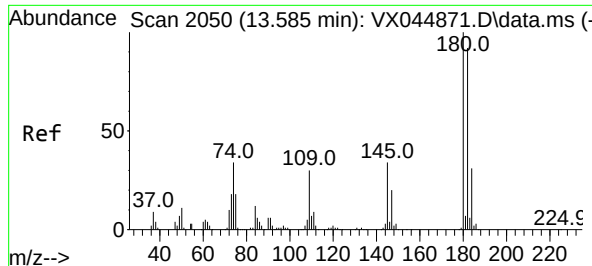
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.471 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:	75	Resp:	8250
Ion Ratio	Lower	Upper	
75	100		
155	76.7	40.5	121.4
157	98.5	51.4	154.3





#93

1,2,4-Trichlorobenzene

Concen: 19.589 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

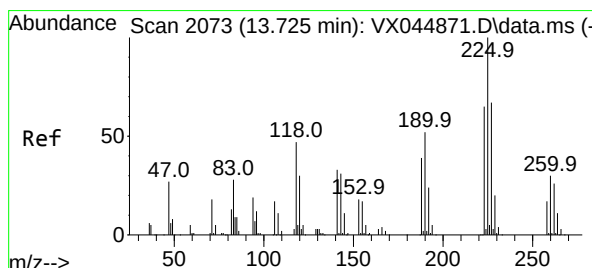
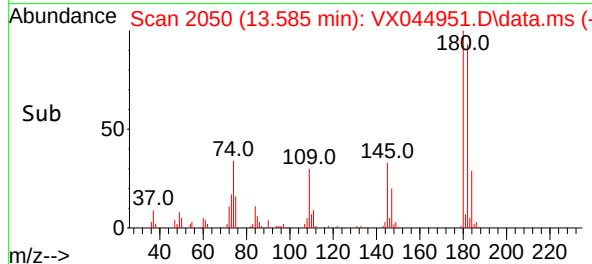
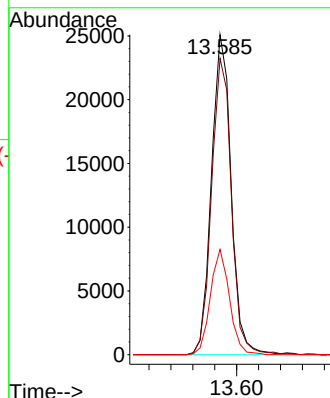
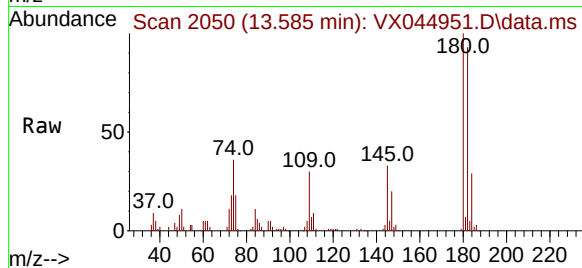
VX0214WBS01

Tgt Ion:180	Resp:	3121
Ion Ratio	Lower	Upper
180	100	
182	93.6	47.6 142.8
145	32.0	16.4 49.1

Manual Integrations
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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#94

Hexachlorobutadiene

Concen: 20.018 ug/l

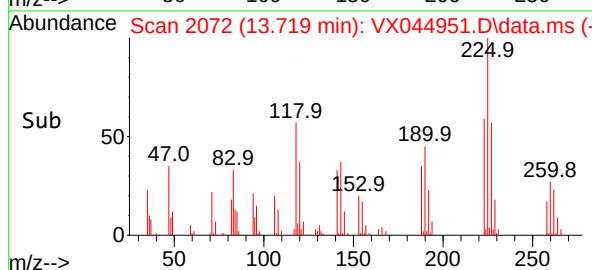
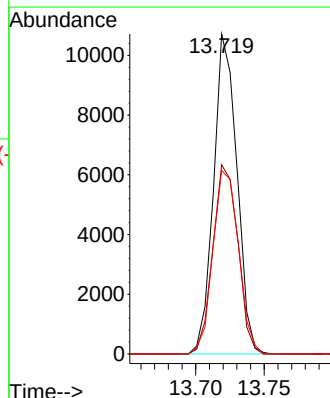
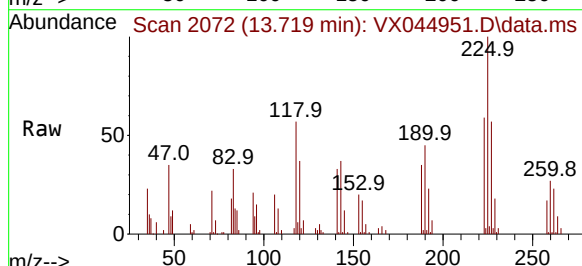
RT: 13.719 min Scan# 2072

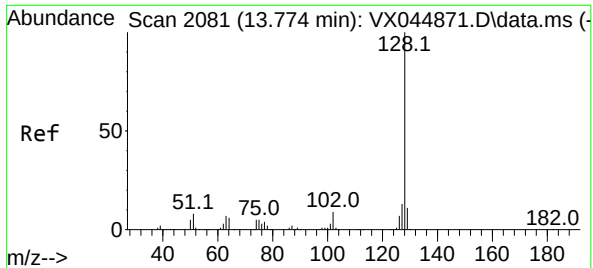
Delta R.T. -0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:225	Resp:	12661
Ion Ratio	Lower	Upper
225	100	
223	63.3	31.4 94.2
227	63.0	32.3 96.8





#95

Naphthalene

Concen: 19.835 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

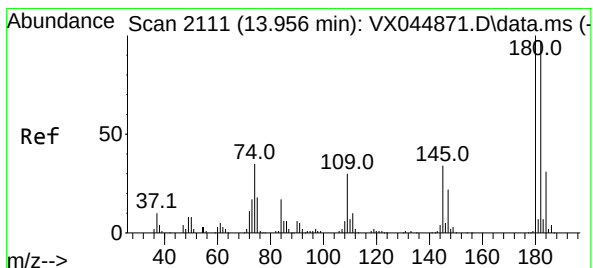
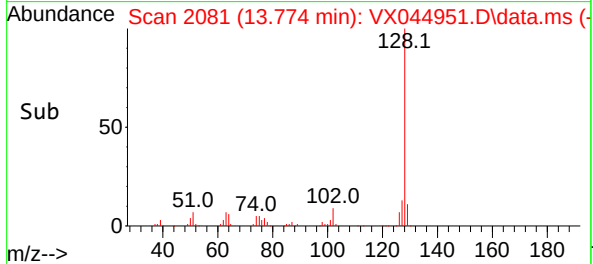
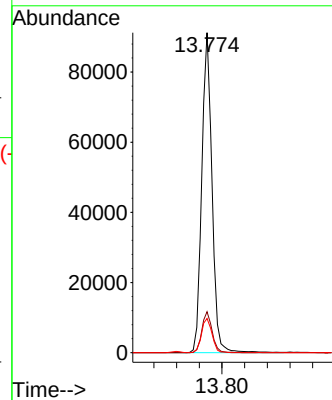
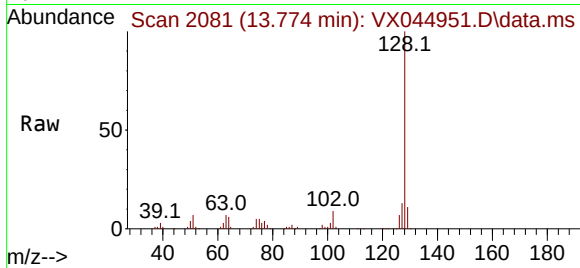
VX0214WBS01

Tgt Ion:	128	Resp:	114238
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.9	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.099 ug/l

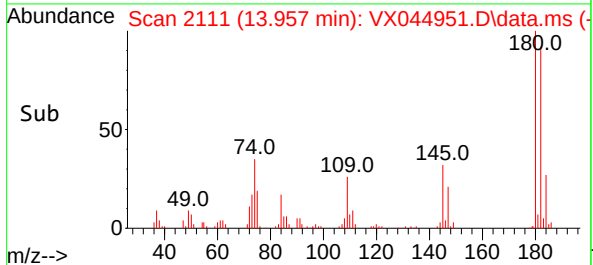
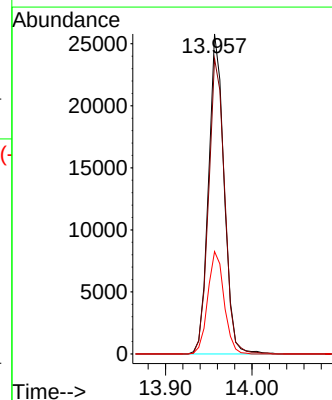
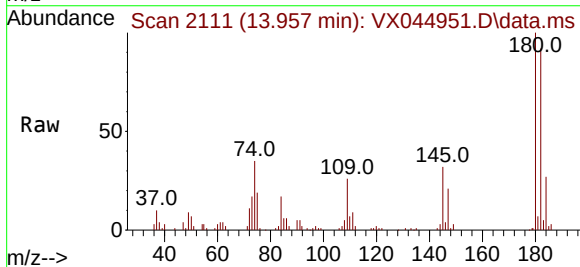
RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Tgt Ion:	180	Resp:	32268
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.9	143.6
145	33.4	17.1	51.3



Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VX0214WBSD01	SDG No.:	Q1352
Lab Sample ID:	VX0214WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044952.D	1		02/14/25 11:40	VX021425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	17.6		0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	0.50	1.00	ug/L
67-66-3	Chloroform	20.0		0.26	0.50	1.00	ug/L
71-43-2	Benzene	19.6		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	104000	5.544				
540-36-3	1,4-Difluorobenzene	185000	6.757				
3114-55-4	Chlorobenzene-d5	165000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77800	12.018				

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044952.D
 Acq On : 14 Feb 2025 11:40
 Operator : JC/MD
 Sample : VX0214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Quant Time: Feb 14 22:12:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	103875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77784	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	77707	51.105	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.200%	
35) Dibromofluoromethane	5.379	113	60838	50.582	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.160%	
50) Toluene-d8	8.647	98	226624	49.828	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	11.079	95	81007	52.833	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.660%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	27927	19.169	ug/l	99
3) Chloromethane	1.301	50	32990	18.605	ug/l	96
4) Vinyl Chloride	1.374	62	30252	17.611	ug/l	100
5) Bromomethane	1.593	94	11122	21.636	ug/l	97
6) Chloroethane	1.666	64	16528	22.848	ug/l	100
7) Trichlorofluoromethane	1.874	101	42055	19.359	ug/l	98
8) Diethyl Ether	2.130	74	15615	19.820	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	26009	19.816	ug/l	99
10) Methyl Iodide	2.447	142	32276	18.974	ug/l	97
11) Tert butyl alcohol	2.971	59	29076	103.075	ug/l	99
12) 1,1-Dichloroethene	2.313	96	24273	18.130	ug/l	97
13) Acrolein	2.233	56	31135	106.978	ug/l	98
14) Allyl chloride	2.660	41	45037	18.613	ug/l	98
15) Acrylonitrile	3.062	53	78868	104.716	ug/l	99
16) Acetone	2.380	43	64564	105.623	ug/l	96
17) Carbon Disulfide	2.508	76	60307	16.426	ug/l	100
18) Methyl Acetate	2.697	43	41481	21.504	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	84252	19.778	ug/l	99
20) Methylene Chloride	2.782	84	28525	19.052	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	24497	18.590	ug/l	100
22) Diisopropyl ether	3.757	45	91929	20.082	ug/l	94
23) Vinyl Acetate	3.715	43	372164	99.722	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50075	19.550	ug/l	99
25) 2-Butanone	4.556	43	105945	106.736	ug/l	97
26) 2,2-Dichloropropane	4.465	77	37106	18.267	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	30448	19.237	ug/l	99
28) Bromochloromethane	4.891	49	22191	18.027	ug/l	100
29) Tetrahydrofuran	5.001	42	68840	104.445	ug/l	99
30) Chloroform	5.093	83	49641	19.984	ug/l	96
31) Cyclohexane	5.458	56	44062	18.660	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	40495	19.219	ug/l	98
36) 1,1-Dichloropropene	5.684	75	32376	18.658	ug/l	99
37) Ethyl Acetate	4.715	43	40204	20.830	ug/l	99
38) Carbon Tetrachloride	5.666	117	33498	19.700	ug/l	93
39) Methylcyclohexane	7.373	83	44129	19.671	ug/l	98
40) Benzene	6.031	78	106024	19.567	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044952.D
 Acq On : 14 Feb 2025 11:40
 Operator : JC/MD
 Sample : VX0214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:12:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	23036	22.298	ug/l	98
42) 1,2-Dichloroethane	6.080	62	37652	21.803	ug/l	100
43) Isopropyl Acetate	6.336	43	64357	20.648	ug/l	98
44) Trichloroethene	7.123	130	24052	19.420	ug/l	96
45) 1,2-Dichloropropane	7.427	63	26311	19.518	ug/l	99
46) Dibromomethane	7.580	93	19515	20.875	ug/l	98
47) Bromodichloromethane	7.818	83	37748	20.853	ug/l	97
48) Methyl methacrylate	7.690	41	31848	21.671	ug/l	97
49) 1,4-Dioxane	7.659	88	13982	443.448	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	219588	115.888	ug/l	97
52) Toluene	8.714	92	63830	19.780	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	35347	19.296	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	40620	19.889	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	26556	21.408	ug/l	98
56) Ethyl methacrylate	9.116	69	41272	20.600	ug/l	99
57) 1,3-Dichloropropane	9.305	76	45713	21.061	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	99532	101.176	ug/l	99
59) 2-Hexanone	9.427	43	159284	116.671	ug/l	99
60) Dibromochloromethane	9.519	129	28129	21.203	ug/l	97
61) 1,2-Dibromoethane	9.604	107	27025	21.494	ug/l	97
64) Tetrachloroethene	9.269	164	21103	20.294	ug/l	96
65) Chlorobenzene	10.073	112	70853	20.006	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	22743	19.951	ug/l	98
67) Ethyl Benzene	10.189	91	122687	19.631	ug/l	100
68) m/p-Xylenes	10.299	106	92530	40.136	ug/l	99
69) o-Xylene	10.640	106	45891	19.838	ug/l	97
70) Styrene	10.652	104	77302	20.741	ug/l	99
71) Bromoform	10.799	173	18090	21.264	ug/l #	100
73) Isopropylbenzene	10.957	105	117063	18.691	ug/l	99
74) N-amyl acetate	10.841	43	55559	19.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	42130	19.576	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	34055m	19.747	ug/l	
77) Bromobenzene	11.195	156	27335	19.251	ug/l	99
78) n-propylbenzene	11.299	91	138085	19.101	ug/l	100
79) 2-Chlorotoluene	11.360	91	84337	18.982	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	98051	19.292	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11059	16.496	ug/l	89
82) 4-Chlorotoluene	11.451	91	94538	19.233	ug/l	99
83) tert-Butylbenzene	11.713	119	99538	19.359	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	100112	19.957	ug/l	100
85) sec-Butylbenzene	11.890	105	126113	19.808	ug/l	99
86) p-Isopropyltoluene	12.006	119	103751	20.263	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	50550	19.359	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	51205	19.395	ug/l	99
89) n-Butylbenzene	12.329	91	90481	19.975	ug/l	99
90) Hexachloroethane	12.536	117	17246	17.989	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	52530	20.469	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7941	20.217	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	29608	19.066	ug/l	98
94) Hexachlorobutadiene	13.725	225	12223	19.827	ug/l	98
95) Naphthalene	13.774	128	110366	19.661	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	30613	19.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044952.D
Acq On : 14 Feb 2025 11:40
Operator : JC/MD
Sample : VX0214WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 14 22:12:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

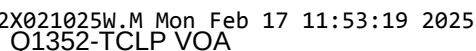
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

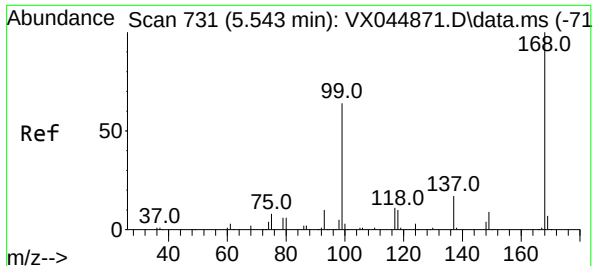
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

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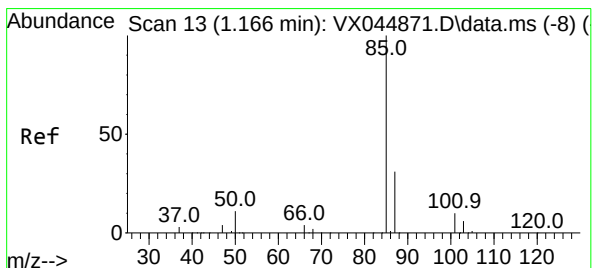
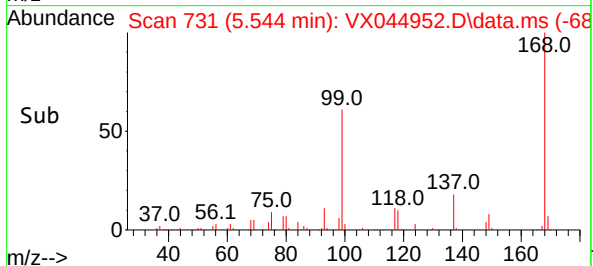
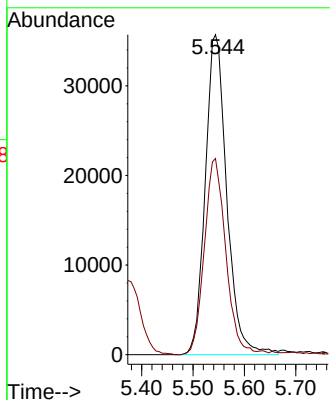
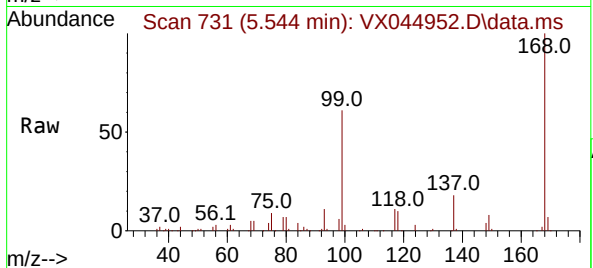
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:168 Resp: 103875
Ion Ratio Lower Upper
168 100
99 61.3 51.2 76.8

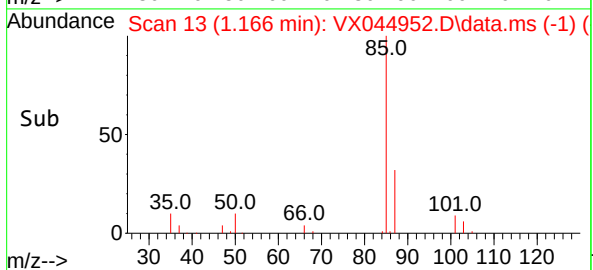
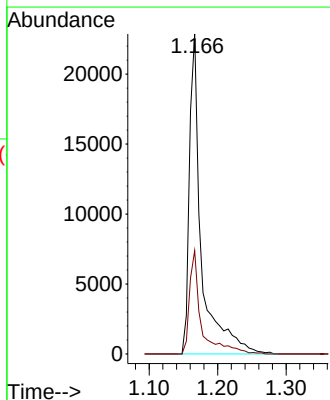
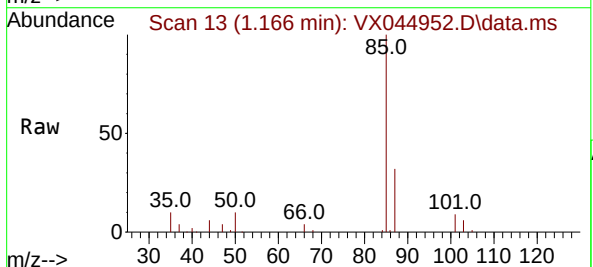
Manual Integrations
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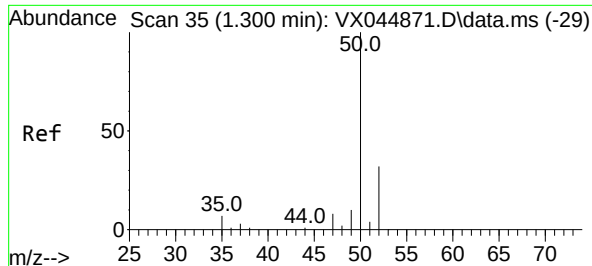
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#2
Dichlorodifluoromethane
Concen: 19.169 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 85 Resp: 27927
Ion Ratio Lower Upper
85 100
87 32.3 15.8 47.3





#3

Chloromethane

Concen: 18.605 ug/l

RT: 1.301 min Scan# 3

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 50 Resp: 32990

Ion Ratio Lower Upper

50 100

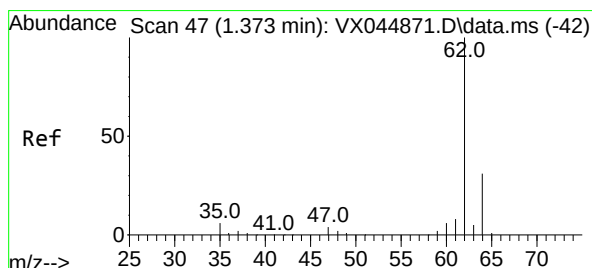
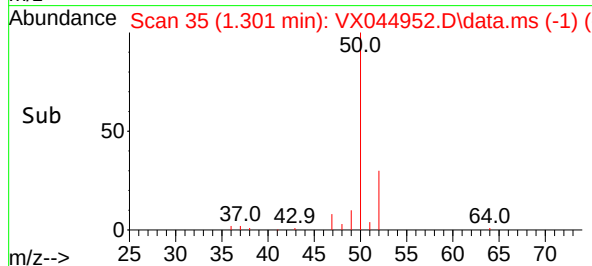
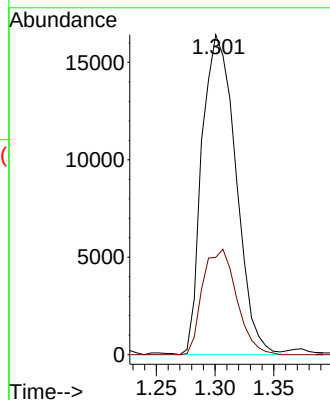
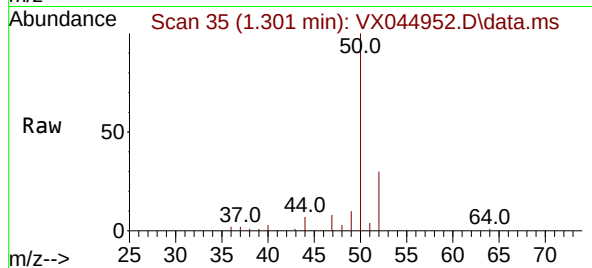
52 30.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#4

Vinyl Chloride

Concen: 17.611 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044952.D

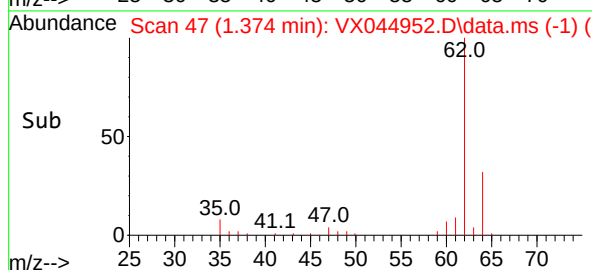
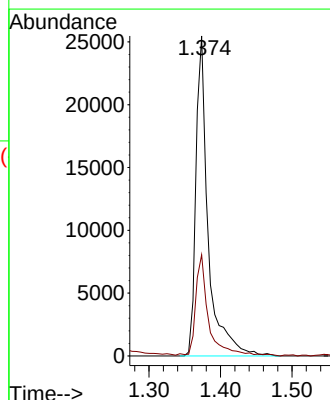
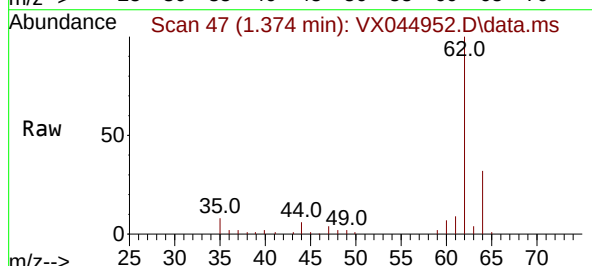
Acq: 14 Feb 2025 11:40

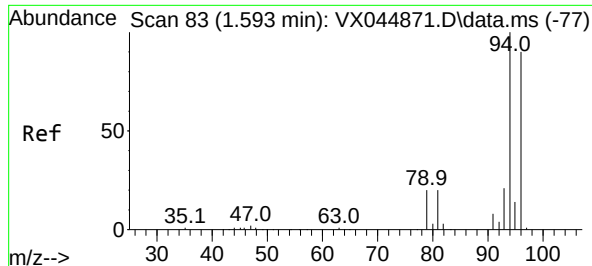
Tgt Ion: 62 Resp: 30252

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





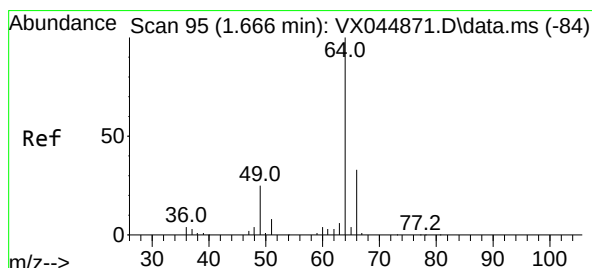
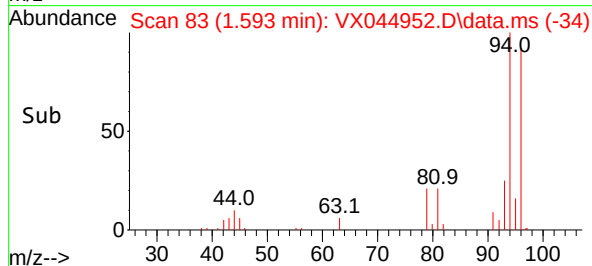
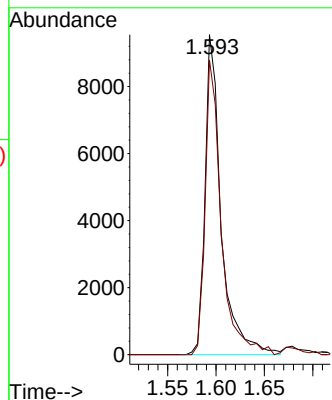
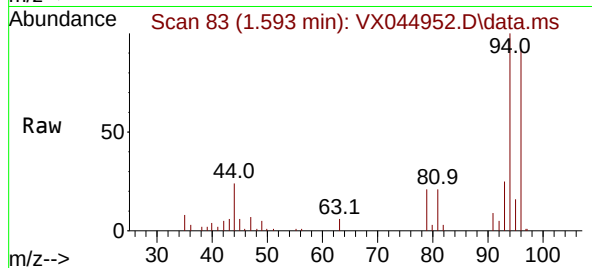
#5
Bromomethane
Concen: 21.636 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion: 94 Resp: 1112
Ion Ratio Lower Upper
94 100
96 92.1 71.6 107.4

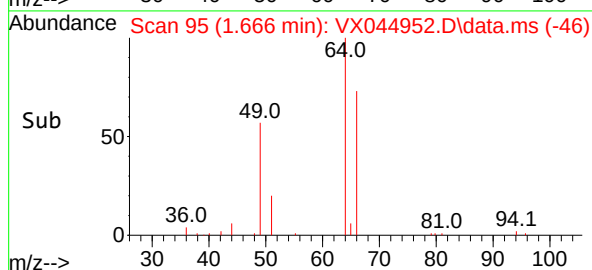
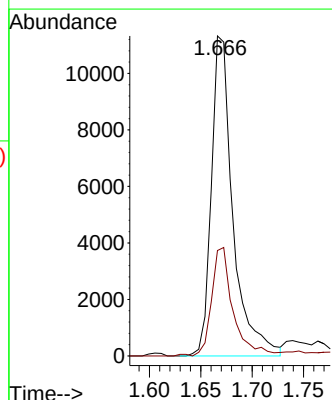
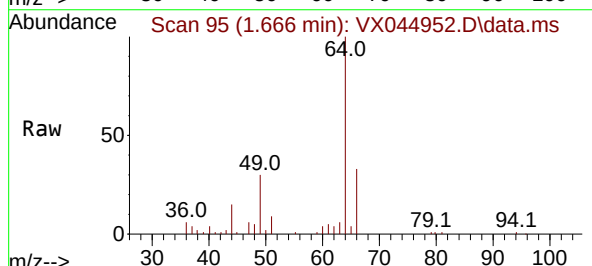
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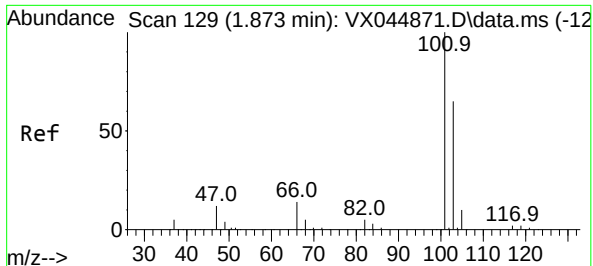
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#6
Chloroethane
Concen: 22.848 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 64 Resp: 16528
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9





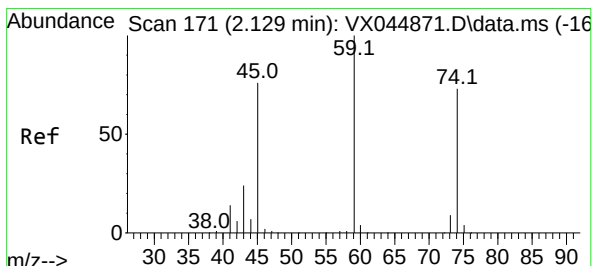
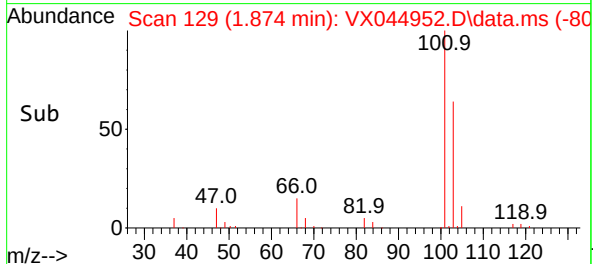
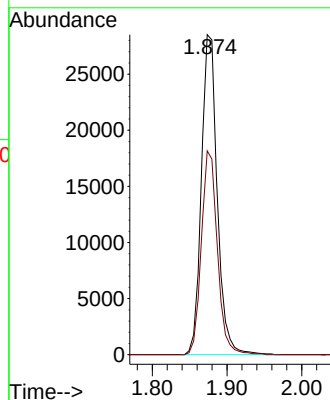
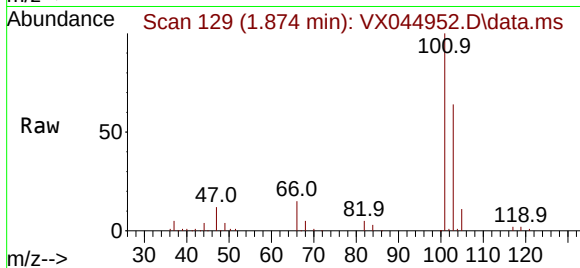
#7
Trichlorofluoromethane
Concen: 19.359 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.001 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:101 Resp: 4205
Ion Ratio Lower Upper
101 100
103 63.7 52.4 78.6

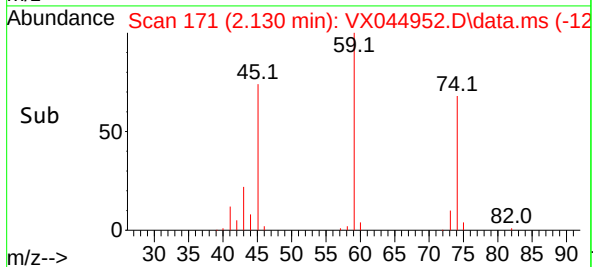
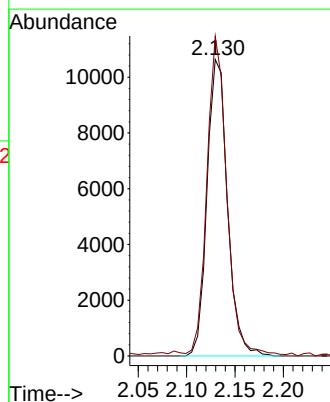
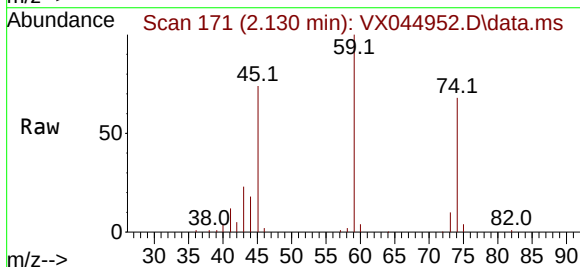
Manual Integrations
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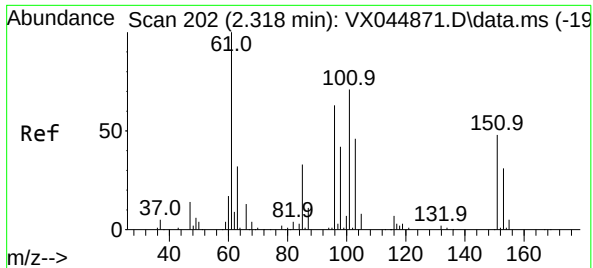
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#8
Diethyl Ether
Concen: 19.820 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 74 Resp: 15615
Ion Ratio Lower Upper
74 100
45 103.6 51.1 153.4





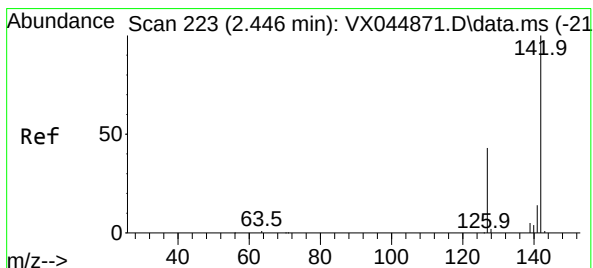
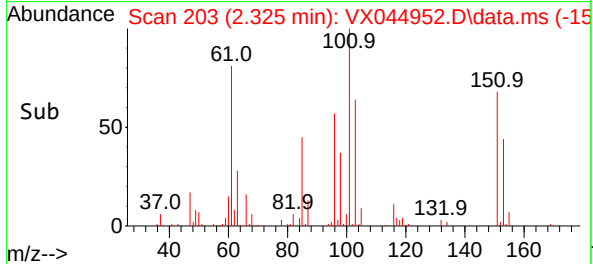
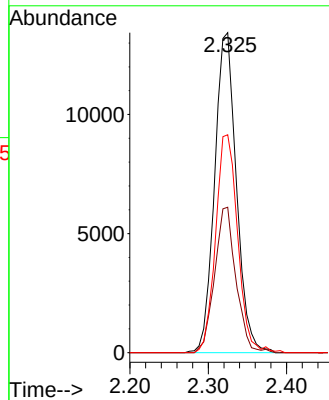
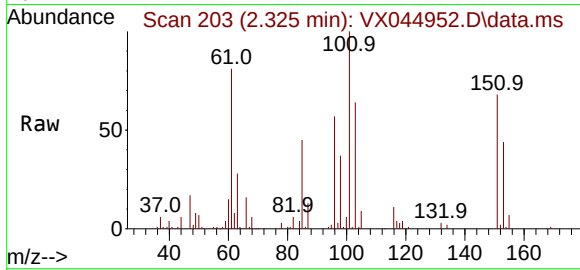
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.816 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:101 Resp: 26009
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 68.9 56.0 84.0

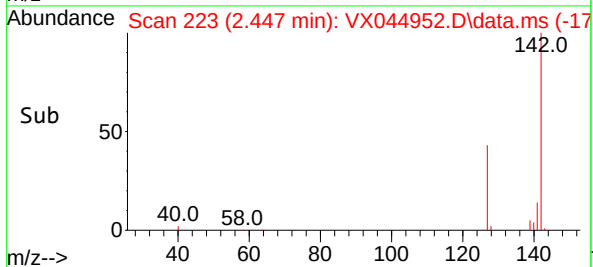
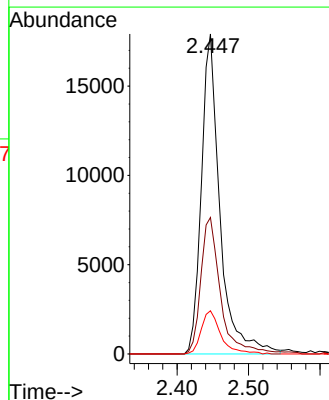
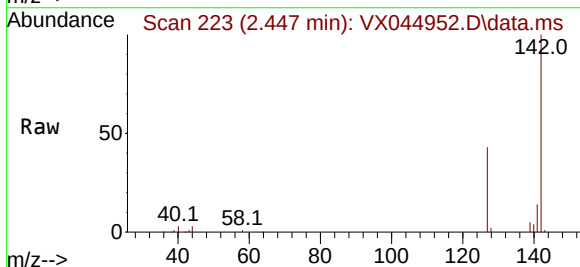
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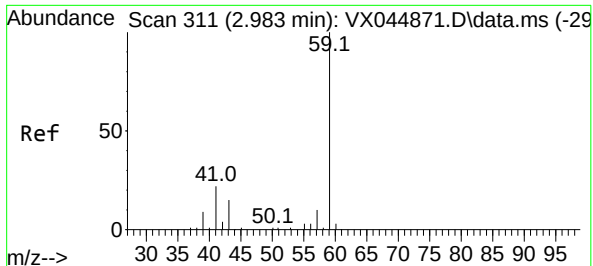
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#10
Methyl Iodide
Concen: 18.974 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:142 Resp: 32276
Ion Ratio Lower Upper
142 100
127 45.7 34.3 51.5
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 103.075 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 59 Resp: 2907

Ion Ratio Lower Upper

59 100

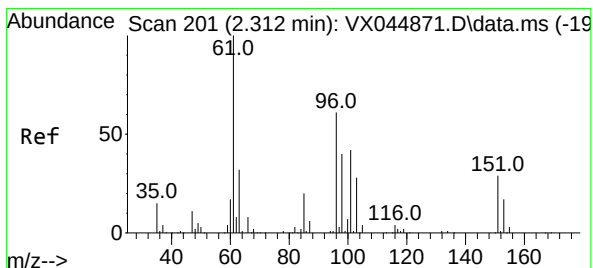
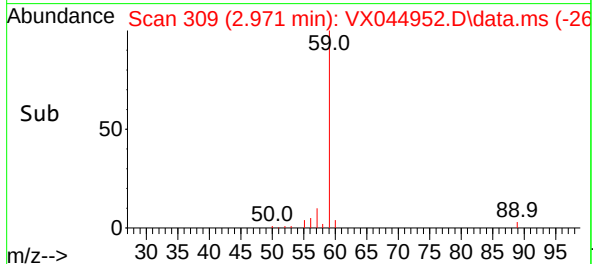
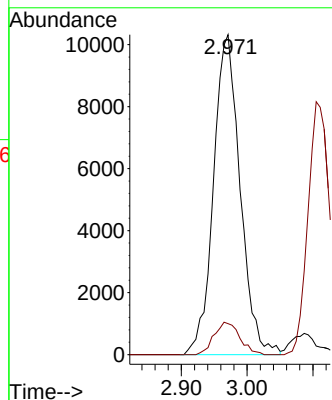
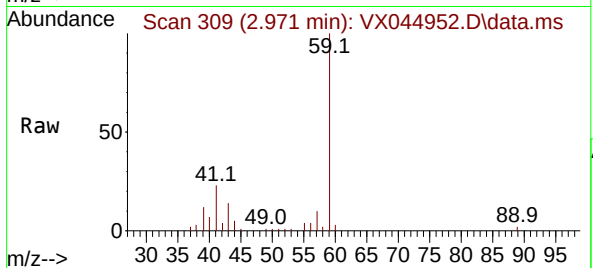
57 9.8 8.1 12.1

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#12

1,1-Dichloroethene

Concen: 18.130 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

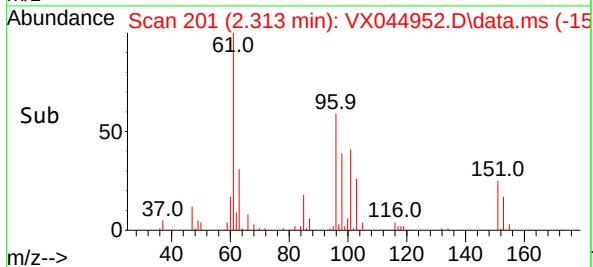
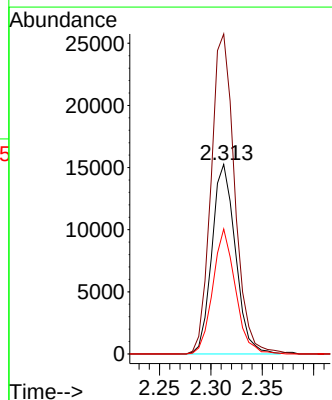
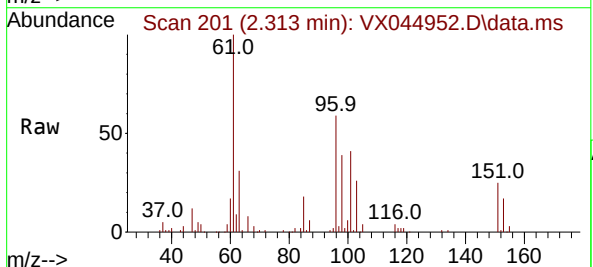
Tgt Ion: 96 Resp: 24273

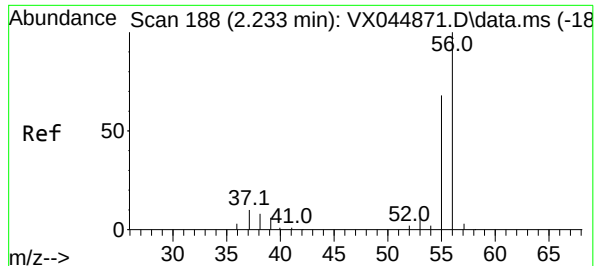
Ion Ratio Lower Upper

96 100

61 168.8 130.2 195.4

98 65.9 52.2 78.4





#13

Acrolein

Concen: 106.978 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 56 Resp: 3113

Ion Ratio Lower Upper

56 100

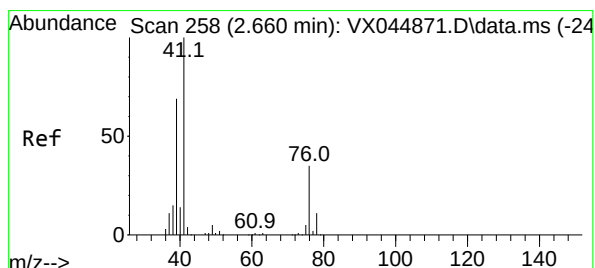
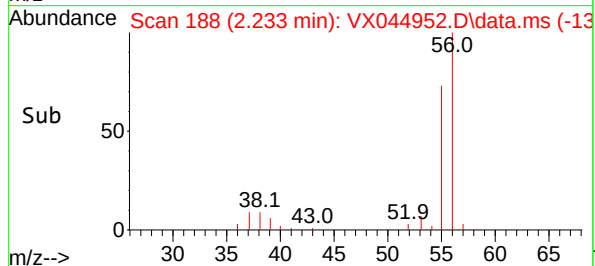
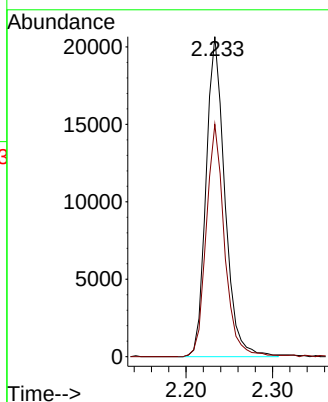
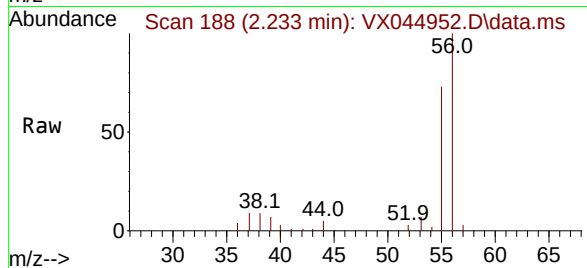
55 71.0 55.7 83.5

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#14

Allyl chloride

Concen: 18.613 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

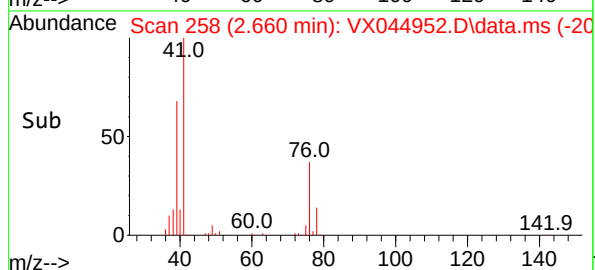
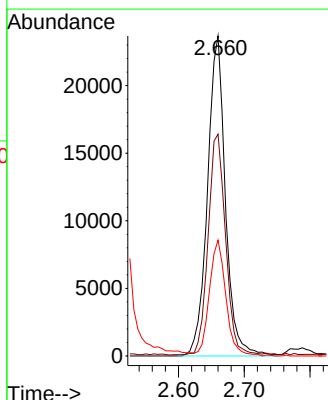
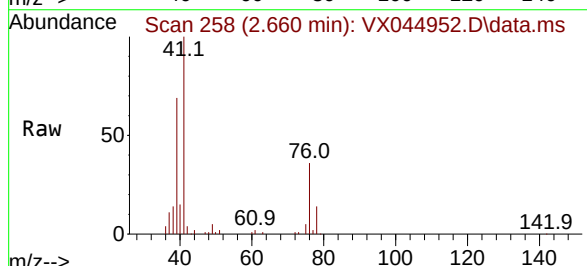
Tgt Ion: 41 Resp: 45037

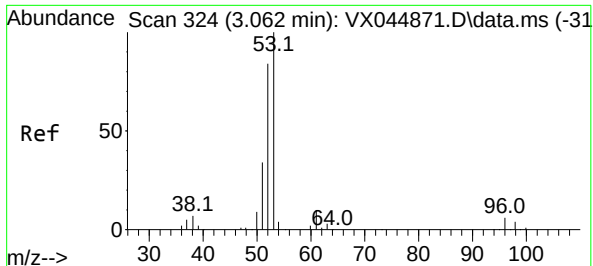
Ion Ratio Lower Upper

41 100

39 66.8 51.4 77.2

76 33.2 27.0 40.4





#15

Acrylonitrile

Concen: 104.716 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 53 Resp: 7886

Ion Ratio Lower Upper

53 100

52 81.7 65.0 97.6

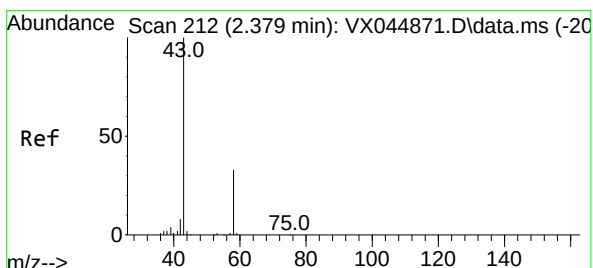
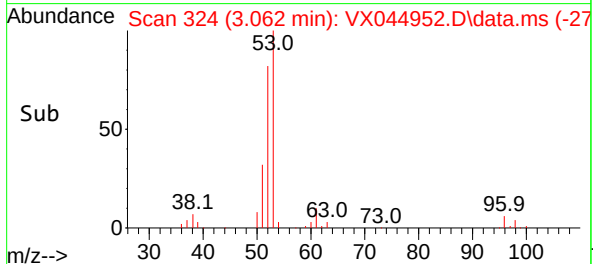
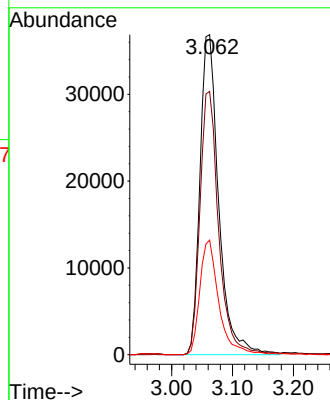
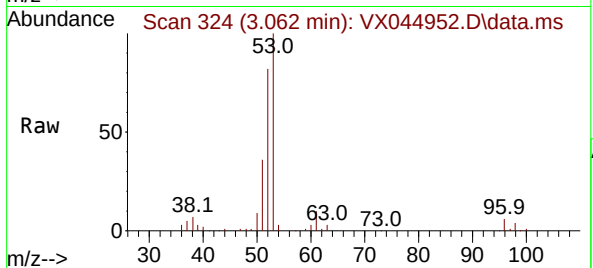
51 36.2 28.0 42.0

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#16

Acetone

Concen: 105.623 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044952.D

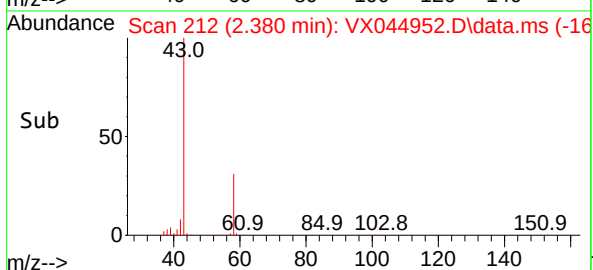
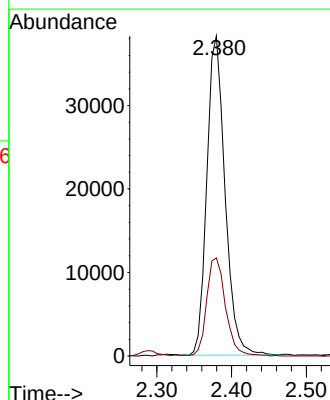
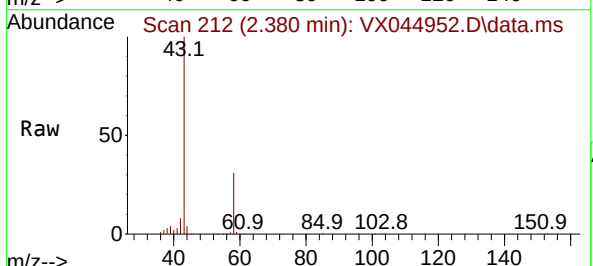
Acq: 14 Feb 2025 11:40

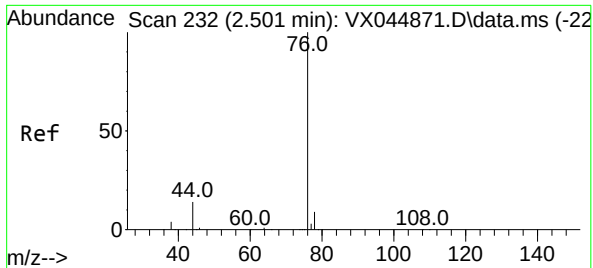
Tgt Ion: 43 Resp: 64564

Ion Ratio Lower Upper

43 100

58 30.7 26.5 39.7





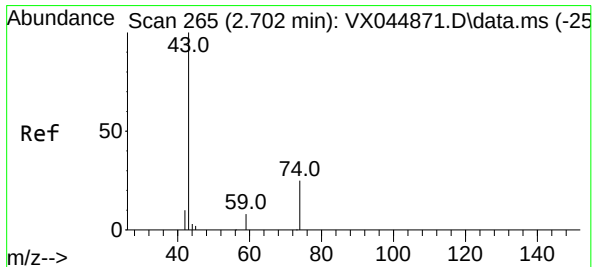
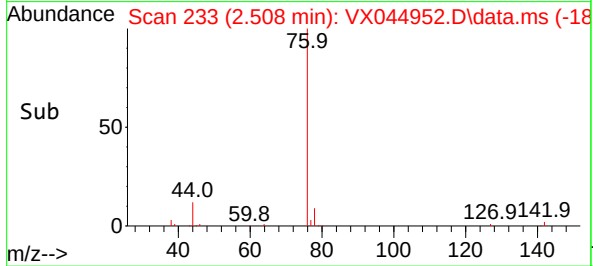
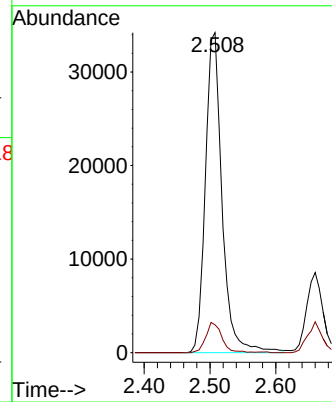
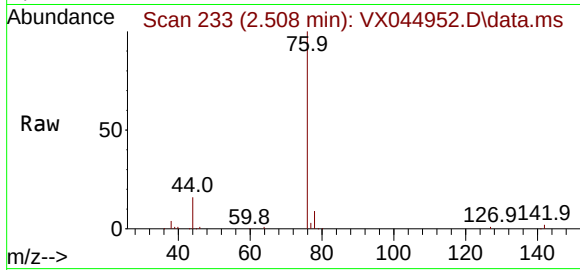
#17
Carbon Disulfide
Concen: 16.426 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion: 76 Resp: 6030
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

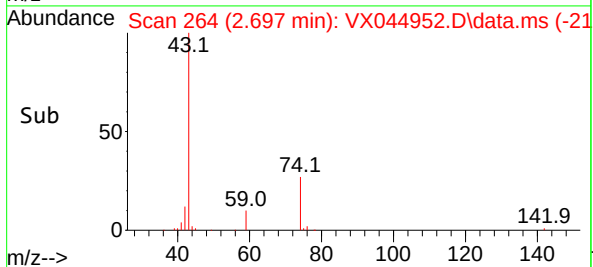
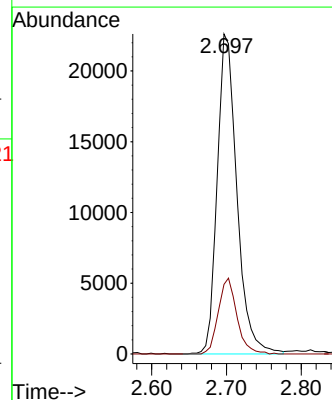
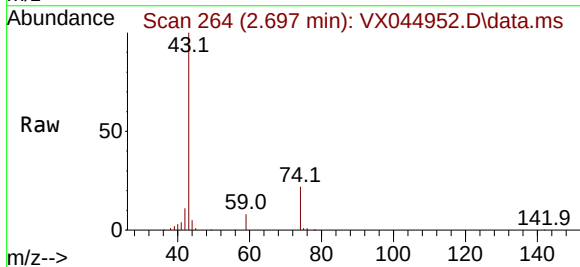
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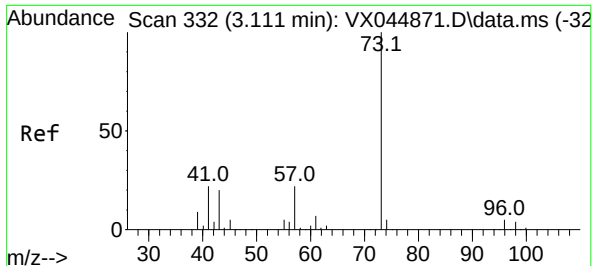
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#18
Methyl Acetate
Concen: 21.504 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 43 Resp: 41481
Ion Ratio Lower Upper
43 100
74 22.4 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 19.778 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 73 Resp: 8425

Ion Ratio Lower Upper

73 100

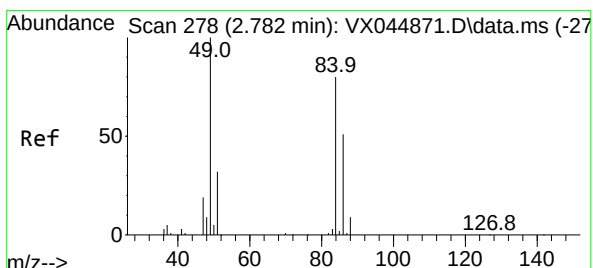
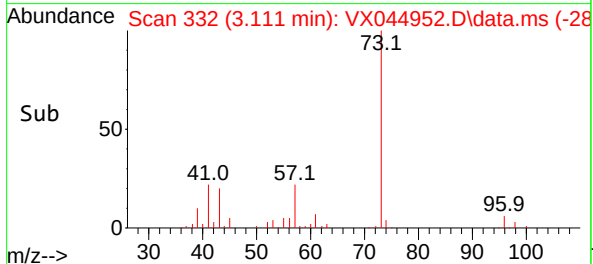
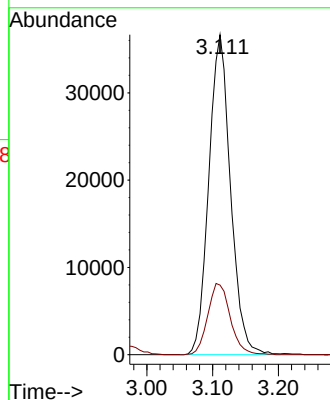
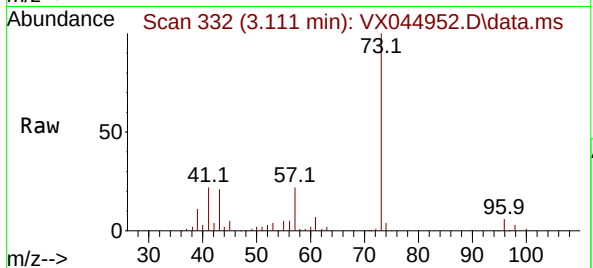
57 21.8 17.9 26.9

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#20

Methylene Chloride

Concen: 19.052 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion: 84 Resp: 28525

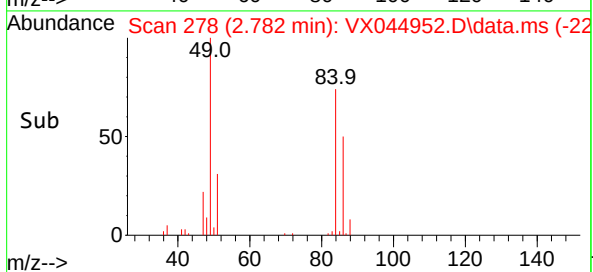
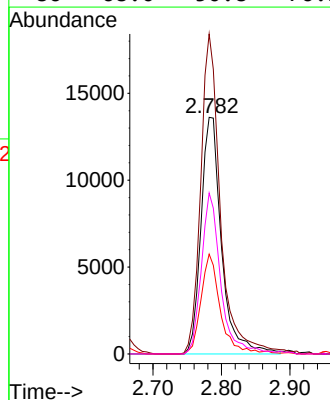
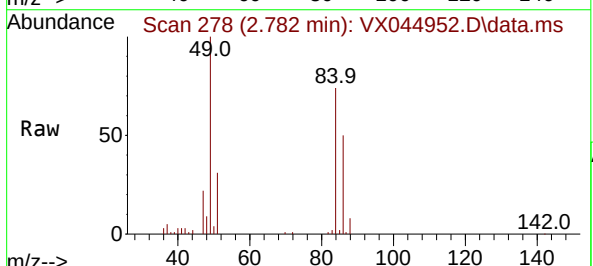
Ion Ratio Lower Upper

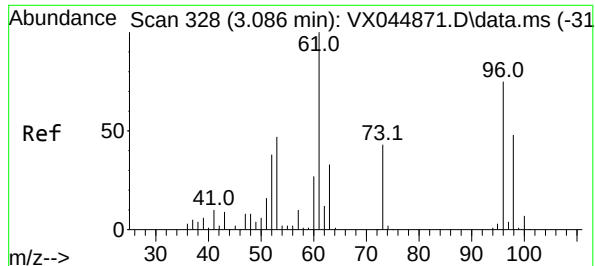
84 100

49 135.3 100.1 150.1

51 42.2 31.7 47.5

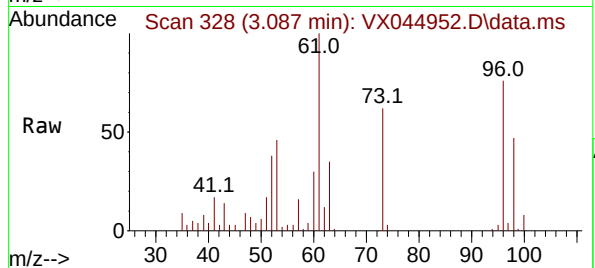
86 68.0 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 18.590 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

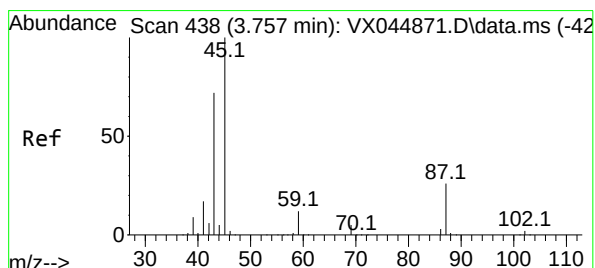
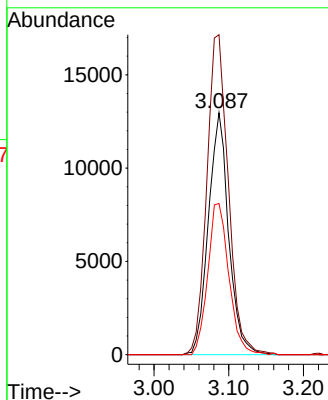
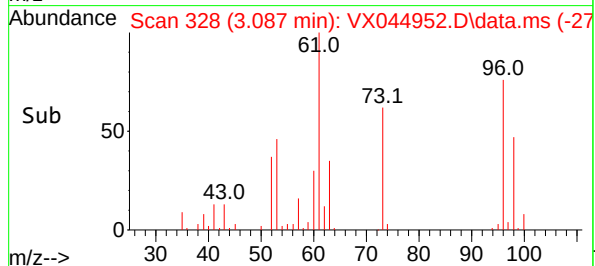
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01



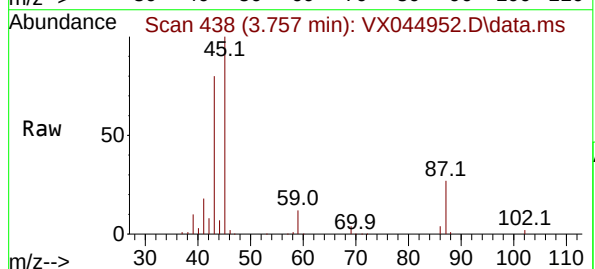
Tgt Ion: 96 Resp: 2449
Ion Ratio Lower Upper
96 100
61 132.3 106.0 159.0
98 62.5 50.6 76.0

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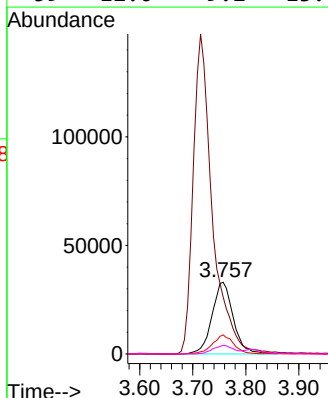
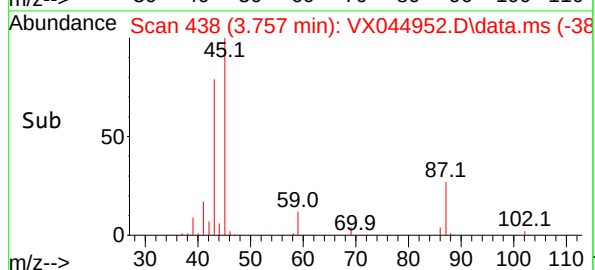
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

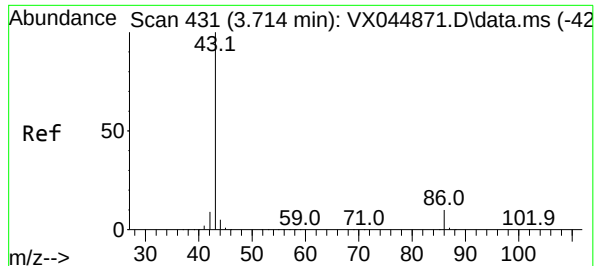


#22
Diisopropyl ether
Concen: 20.082 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40



Tgt Ion: 45 Resp: 91929
Ion Ratio Lower Upper
45 100
43 78.9 58.0 87.0
87 26.6 20.7 31.1
59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 99.722 ug/l

RT: 3.715 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 43 Resp: 37216

Ion Ratio Lower Upper

43

100

86

9.9

8.3

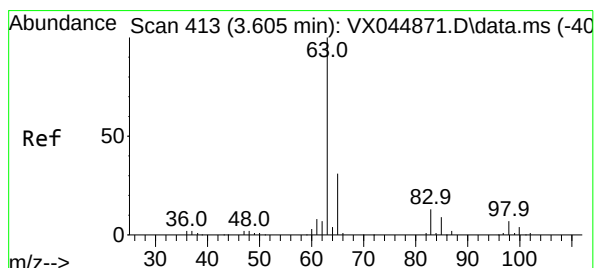
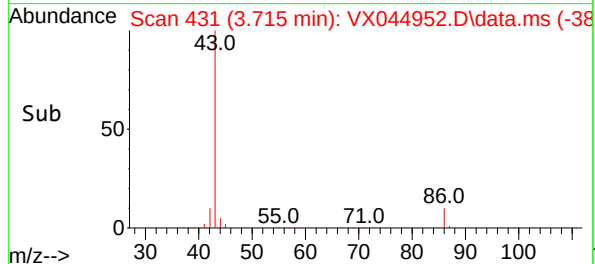
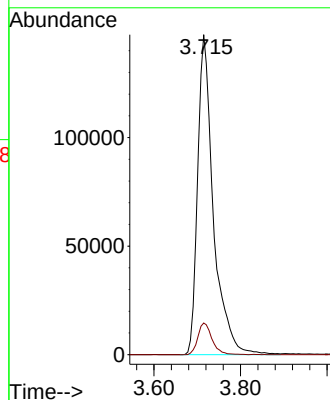
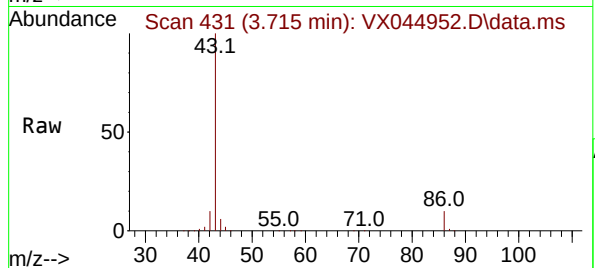
12.5

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#24

1,1-Dichloroethane

Concen: 19.550 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion: 63 Resp: 50075

Ion Ratio Lower Upper

63

100

98

6.7

3.3

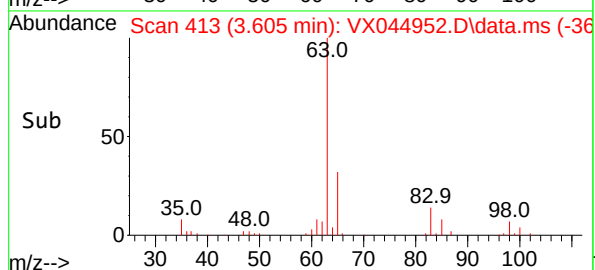
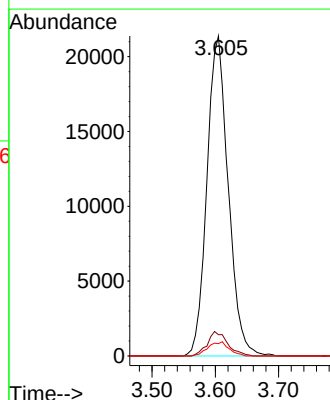
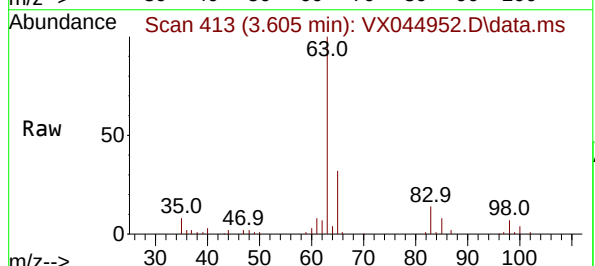
9.9

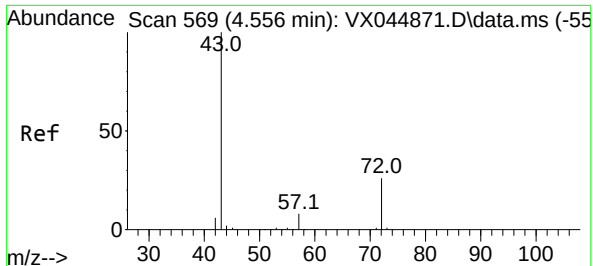
100

3.8

2.1

6.5





#25

2-Butanone

Concen: 106.736 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 43 Resp: 10594

Ion Ratio Lower Upper

43 100

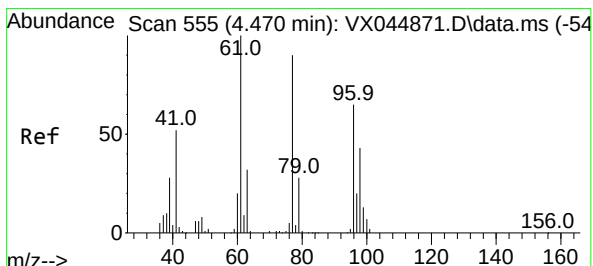
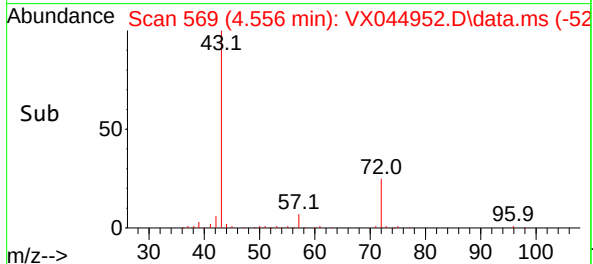
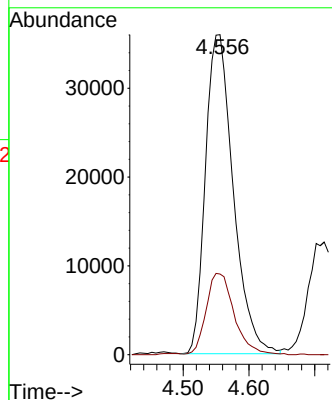
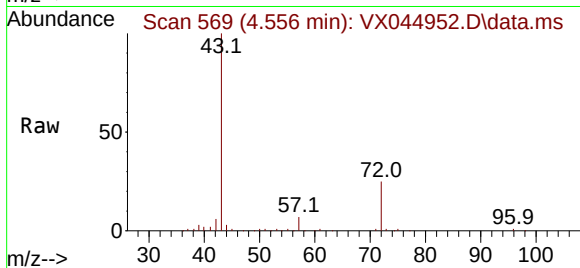
72 25.0 21.2 31.8

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#26

2,2-Dichloropropane

Concen: 18.267 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX044952.D

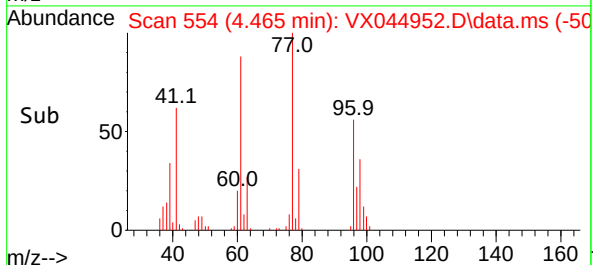
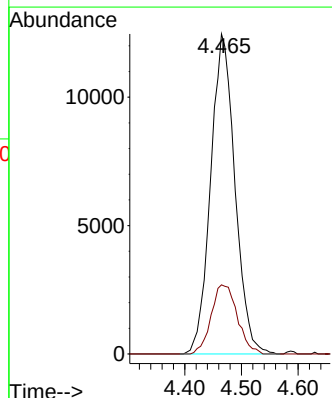
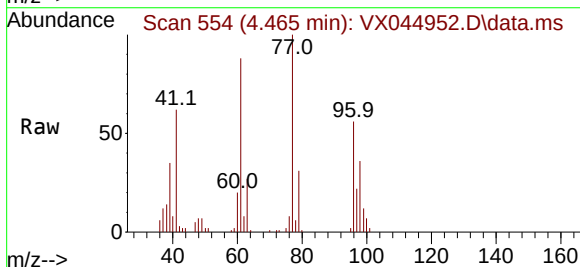
Acq: 14 Feb 2025 11:40

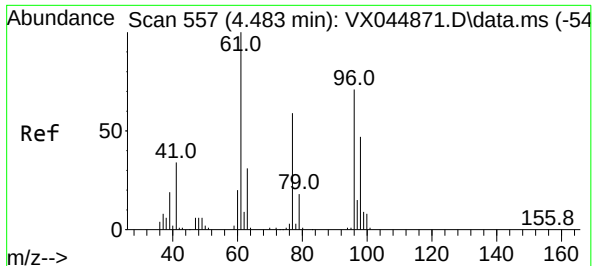
Tgt Ion: 77 Resp: 37106

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.237 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 96 Resp: 3044

Ion Ratio Lower Upper

96 100

61 146.8 0.0 294.0

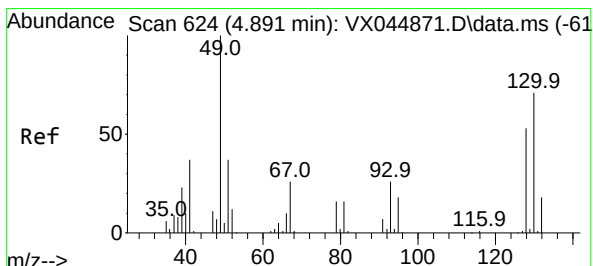
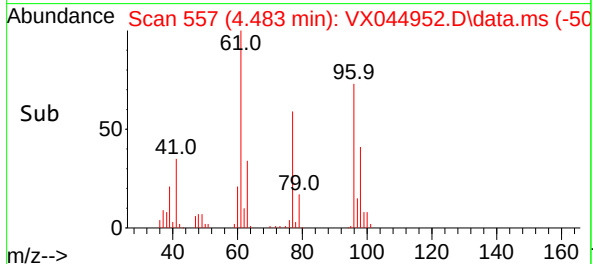
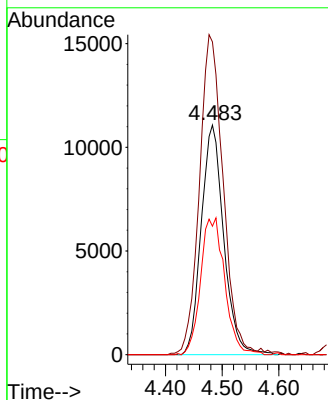
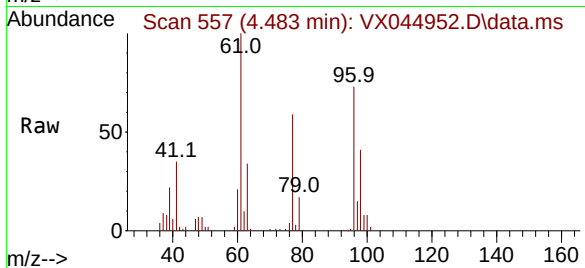
98 64.0 0.0 131.2

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#28

Bromochloromethane

Concen: 18.027 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

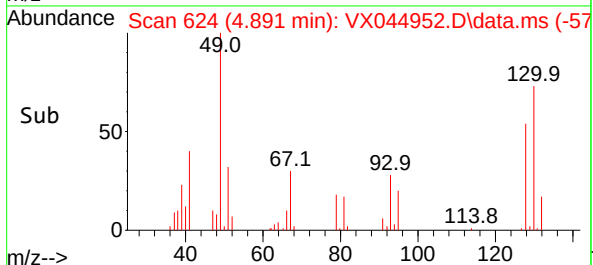
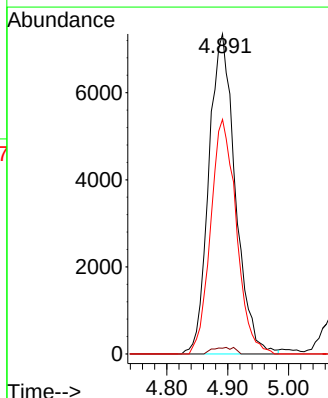
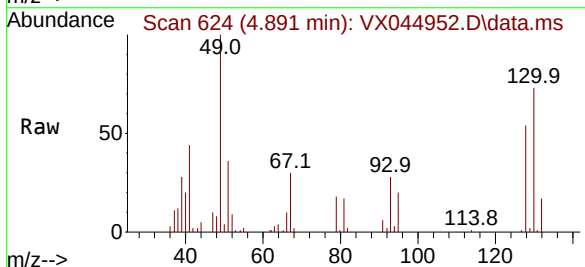
Tgt Ion: 49 Resp: 22191

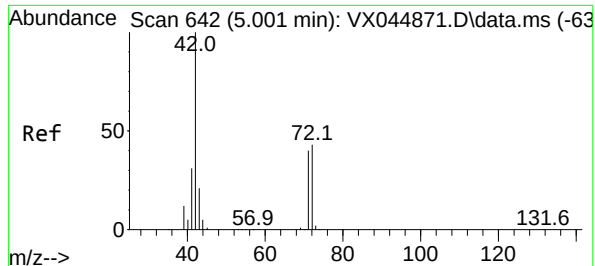
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 71.1 56.7 85.1





#29

Tetrahydrofuran

Concen: 104.445 ug/l

RT: 5.001 min Scan# 64

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 42 Resp: 68840

Ion Ratio Lower Upper

42 100

72 44.4 35.0 52.4

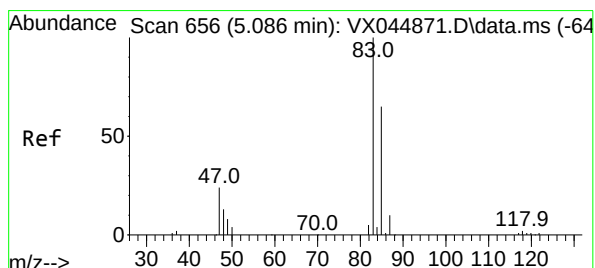
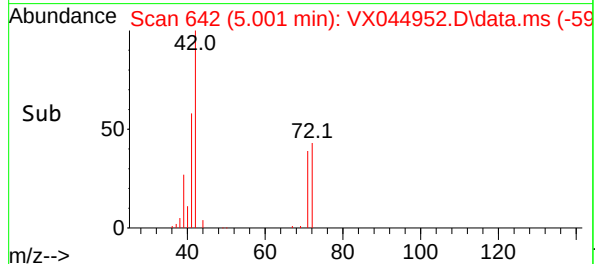
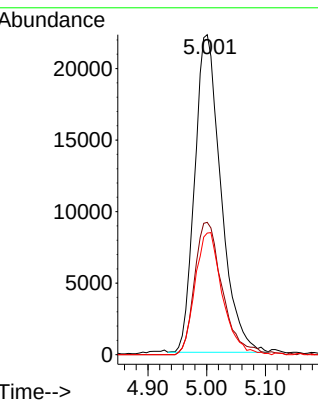
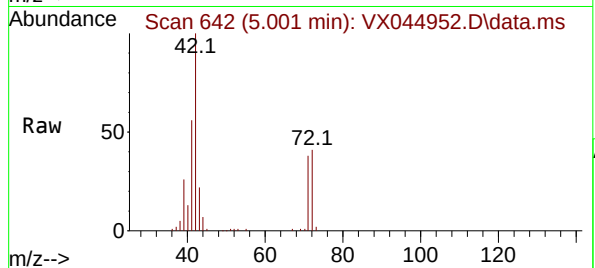
71 40.0 32.6 48.8

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#30

Chloroform

Concen: 19.984 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044952.D

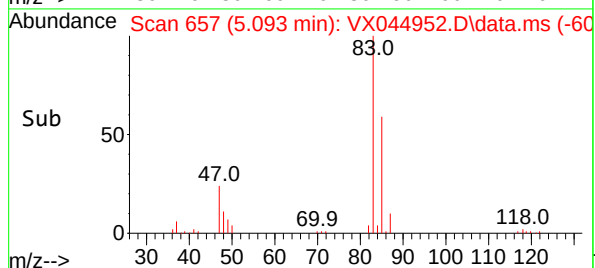
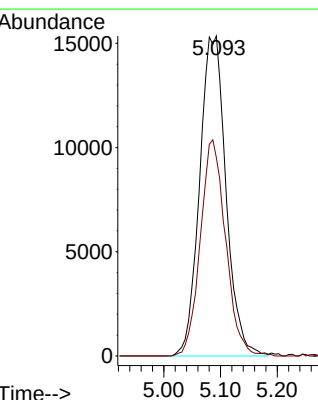
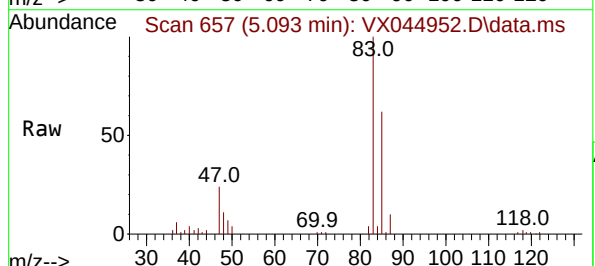
Acq: 14 Feb 2025 11:40

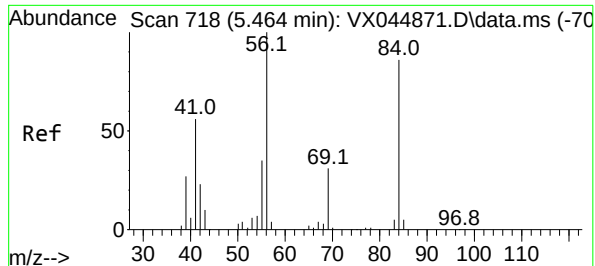
Tgt Ion: 83 Resp: 49641

Ion Ratio Lower Upper

83 100

85 61.9 52.1 78.1





#31

Cyclohexane

Concen: 18.660 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 56 Resp: 4406

Ion Ratio Lower Upper

56 100

69 28.3 24.4 36.6

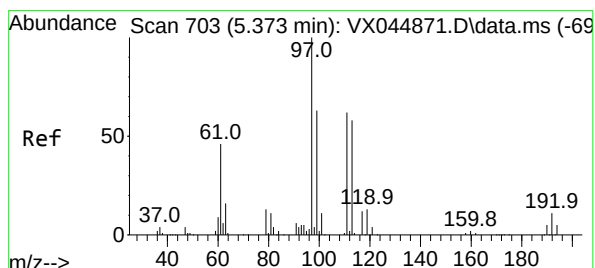
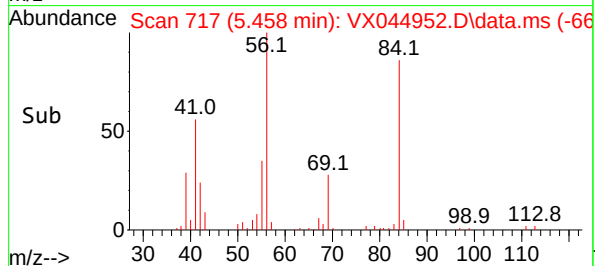
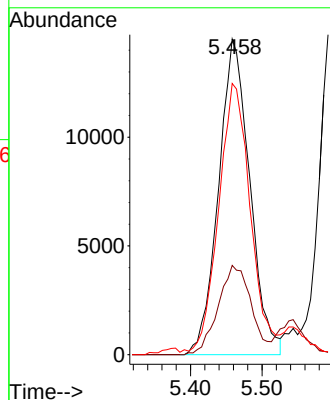
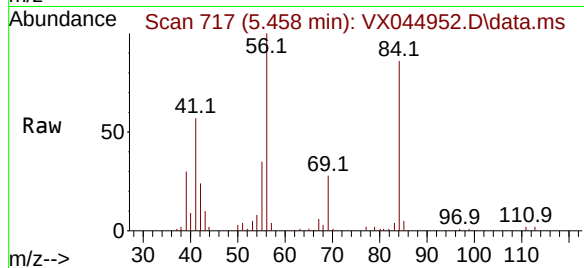
84 85.1 69.0 103.6

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#32

1,1,1-Trichloroethane

Concen: 19.219 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

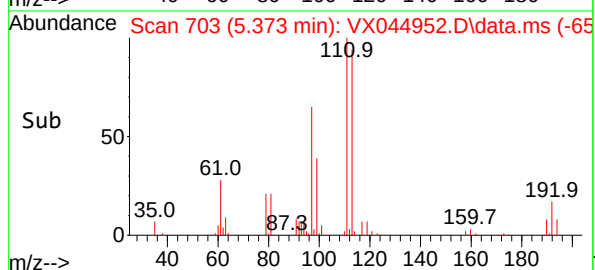
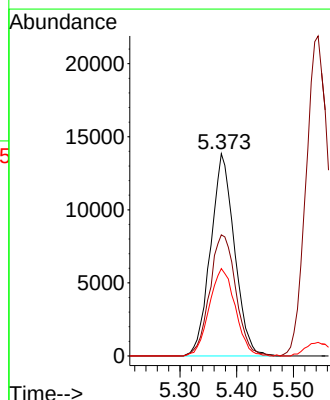
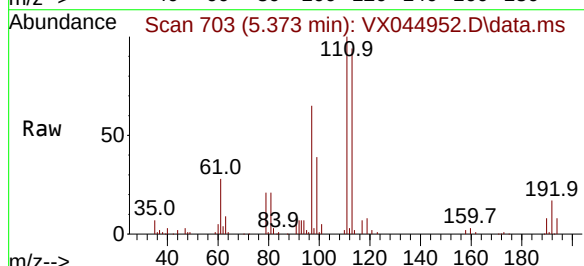
Tgt Ion: 97 Resp: 40495

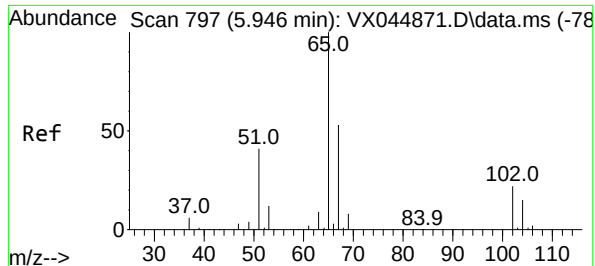
Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.6

61 46.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 51.105 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 65 Resp: 7770

Ion Ratio Lower Upper

65 100

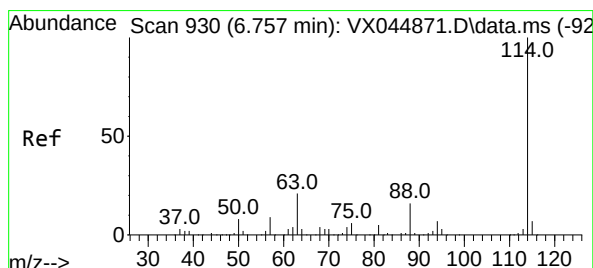
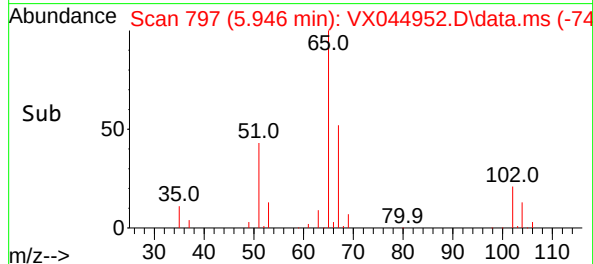
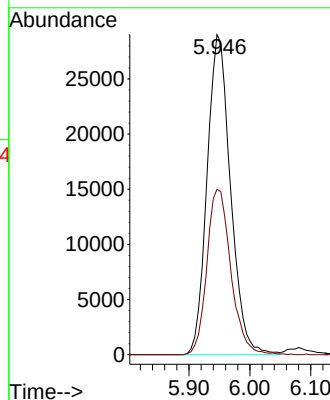
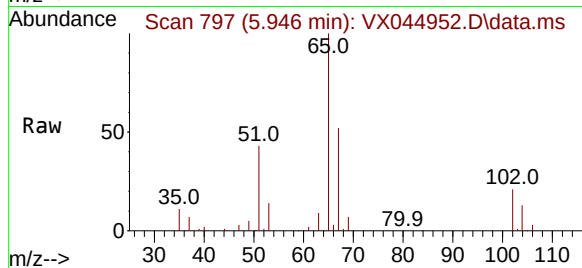
67 52.8 0.0 108.2

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

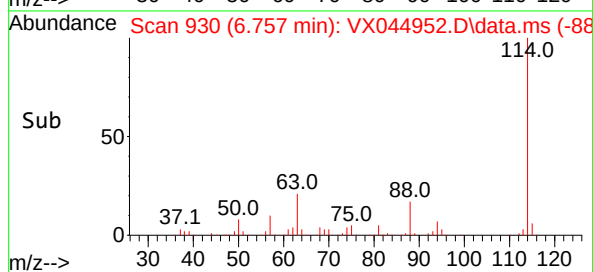
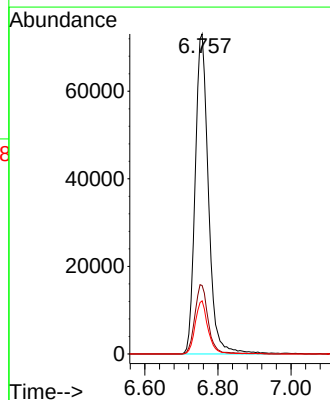
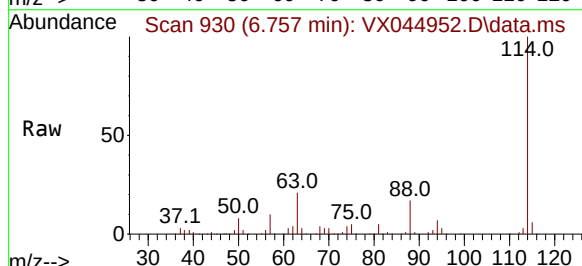
Tgt Ion:114 Resp: 184991

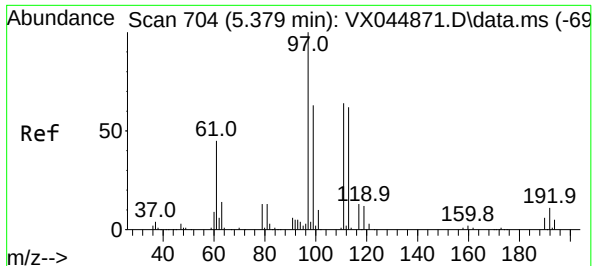
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.582 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion:113 Resp: 60838

Ion Ratio Lower Upper

113 100

111 103.6 83.5 125.3

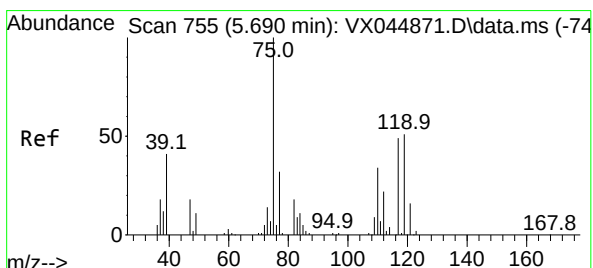
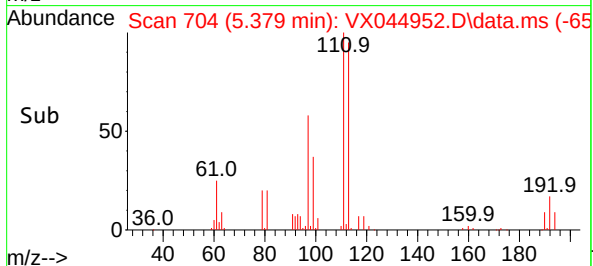
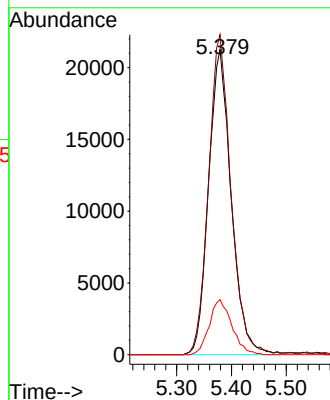
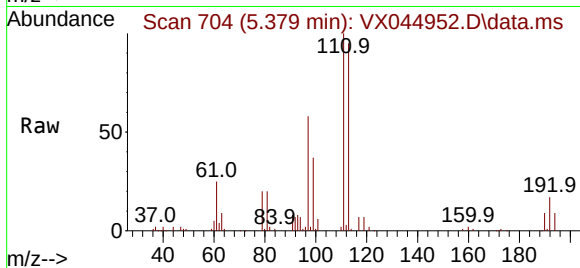
192 18.1 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#36

1,1-Dichloropropene

Concen: 18.658 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

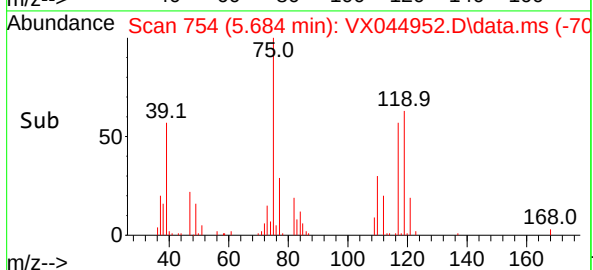
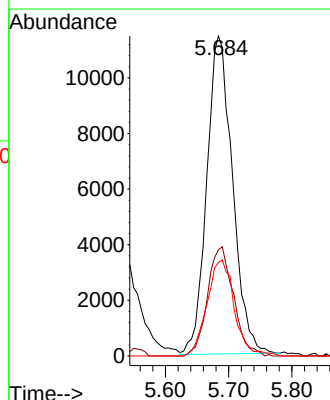
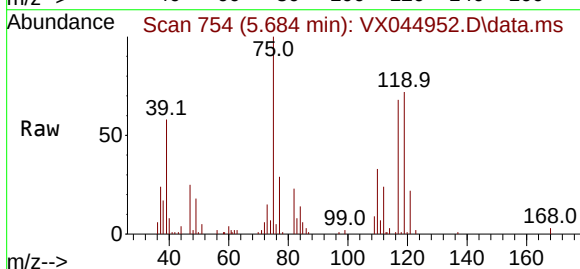
Tgt Ion: 75 Resp: 32376

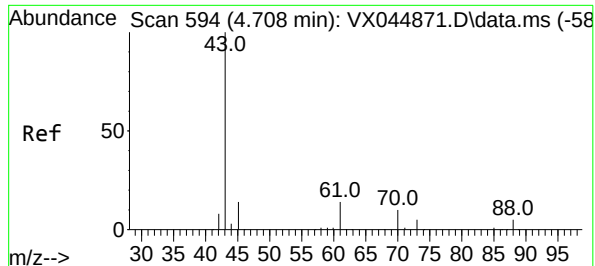
Ion Ratio Lower Upper

75 100

110 34.6 17.2 51.6

77 31.9 24.6 37.0





#37

Ethyl Acetate

Concen: 20.830 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

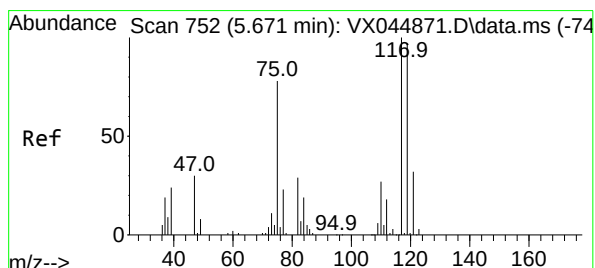
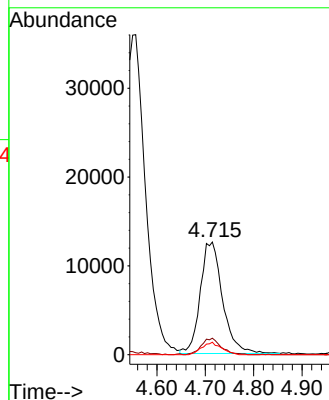
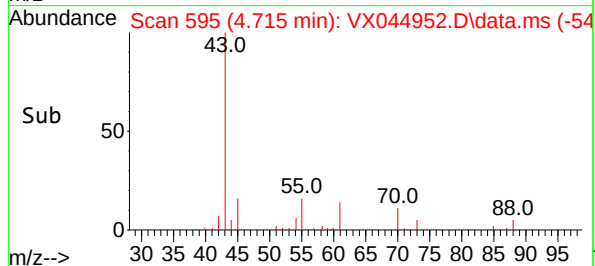
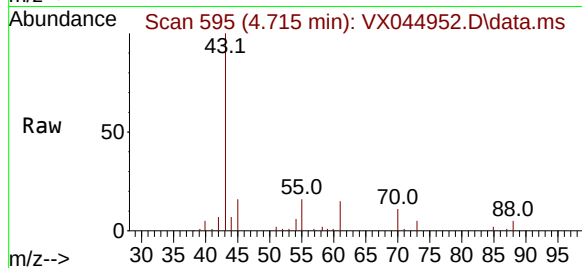
VX0214WBSD01

Tgt Ion:	43	Resp:	40204
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.4
70	9.7	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#38

Carbon Tetrachloride

Concen: 19.700 ug/l

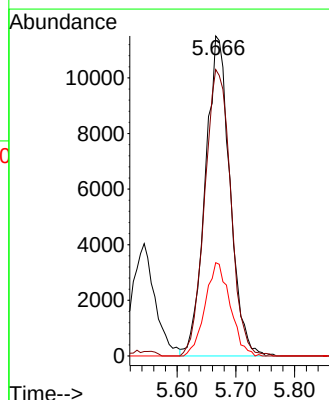
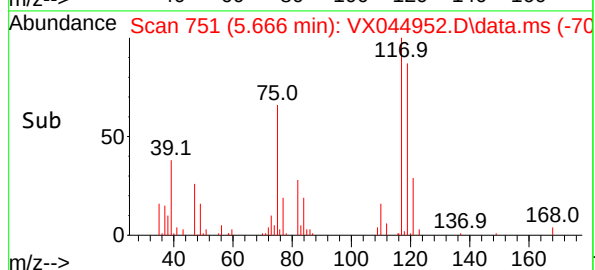
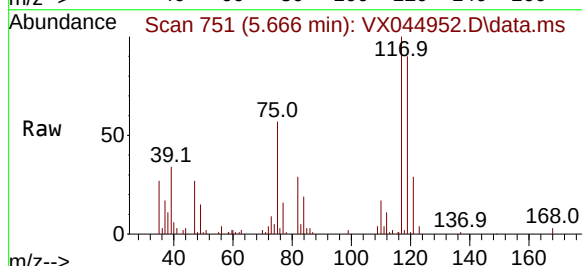
RT: 5.666 min Scan# 751

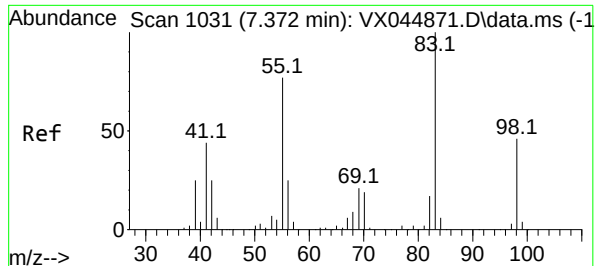
Delta R.T. -0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:	117	Resp:	33498
Ion	Ratio	Lower	Upper
117	100		
119	89.5	77.5	116.3
121	29.2	25.6	38.4





#39

Methylcyclohexane

Concen: 19.671 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

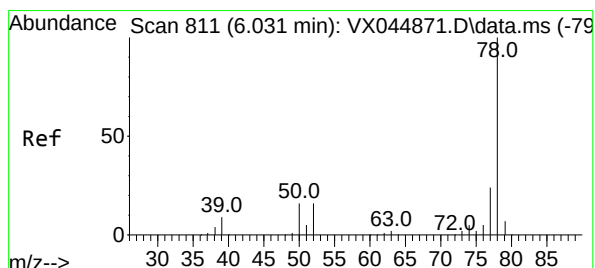
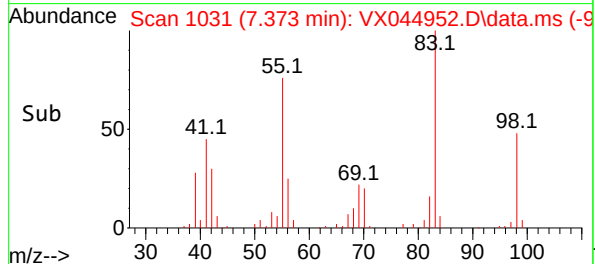
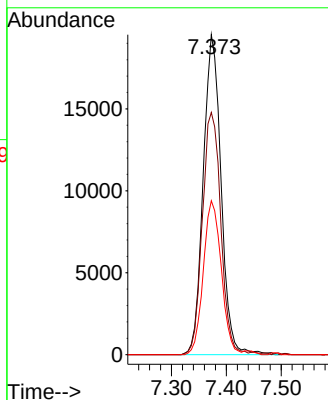
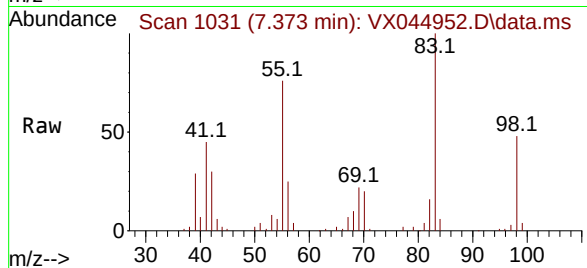
Tgt Ion: 83	Resp: 44129
Ion Ratio	Lower Upper
83 100	
55 75.7	61.3 91.9
98 48.1	37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#40

Benzene

Concen: 19.567 ug/l

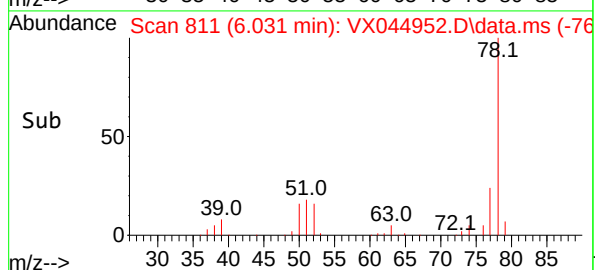
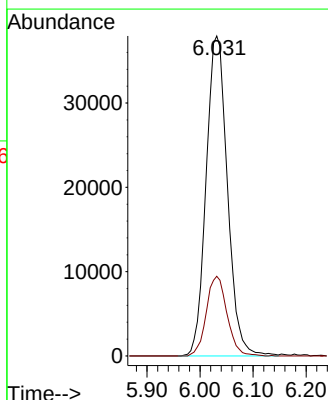
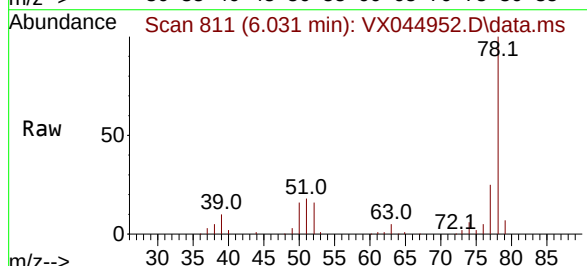
RT: 6.031 min Scan# 811

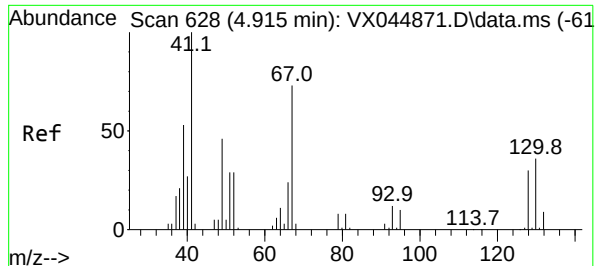
Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion: 78	Resp: 106024
Ion Ratio	Lower Upper
78 100	
77 24.9	19.0 28.6





#41

Methacrylonitrile

Concen: 22.298 ug/l

RT: 4.916 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 41 Resp: 2303

Ion Ratio Lower Upper

41 100

39 55.0 43.1 64.7

67 69.6 57.0 85.6

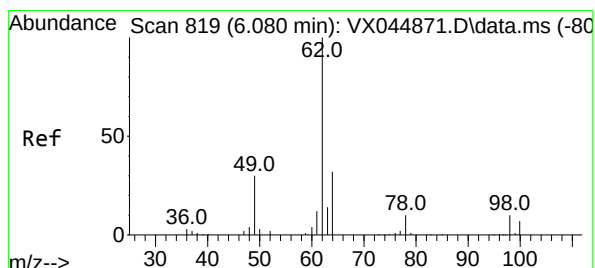
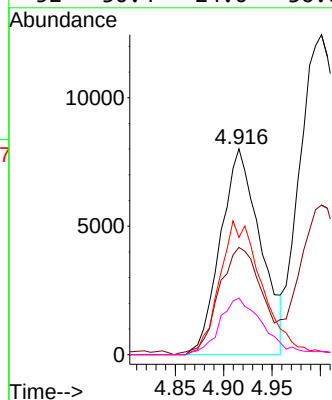
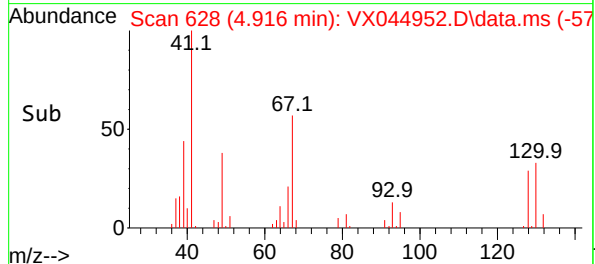
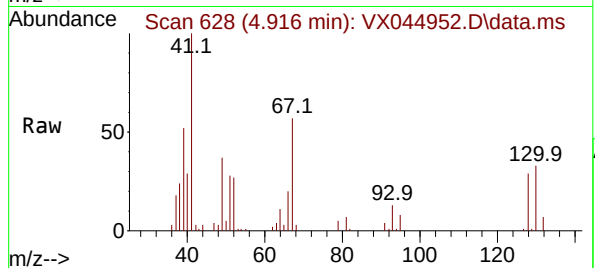
52 30.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#42

1,2-Dichloroethane

Concen: 21.803 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044952.D

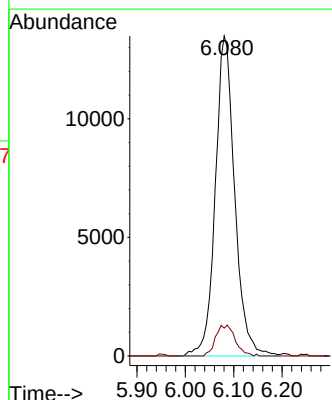
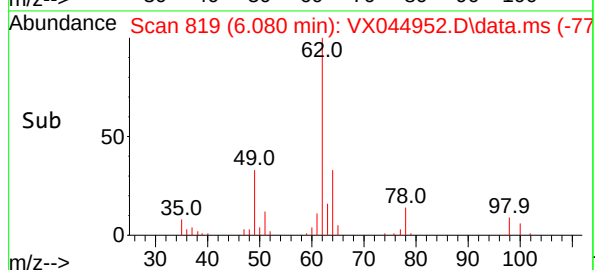
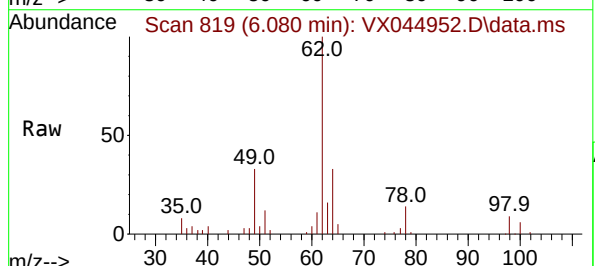
Acq: 14 Feb 2025 11:40

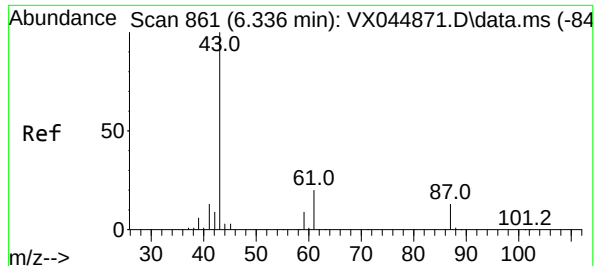
Tgt Ion: 62 Resp: 37652

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.648 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

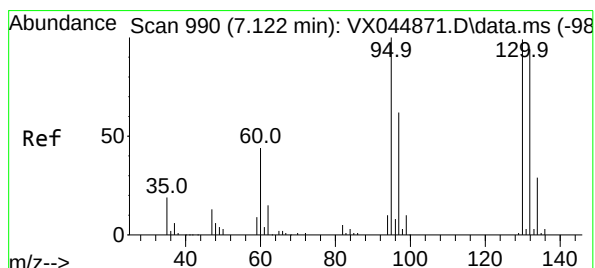
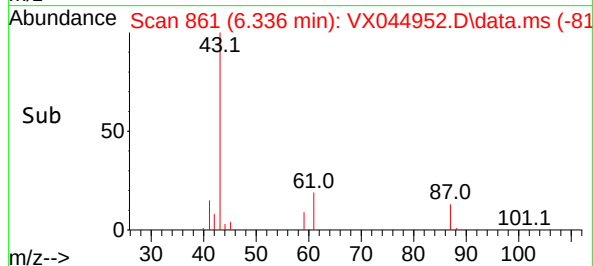
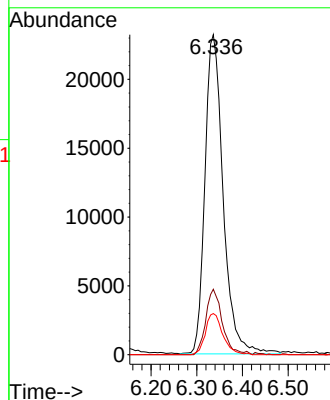
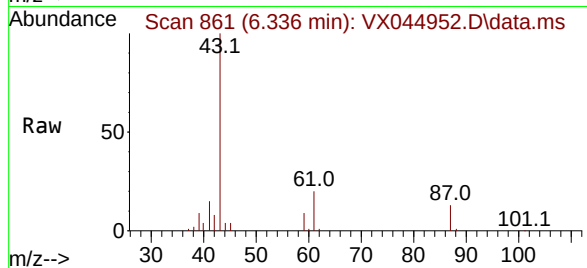
VX0214WBSD01

Tgt Ion: 43	Resp: 6435
Ion Ratio	Lower Upper
43 100	
61 18.6	15.8 23.8
87 12.3	10.0 15.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#44

Trichloroethene

Concen: 19.420 ug/l

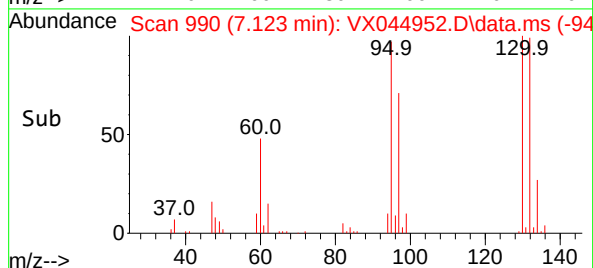
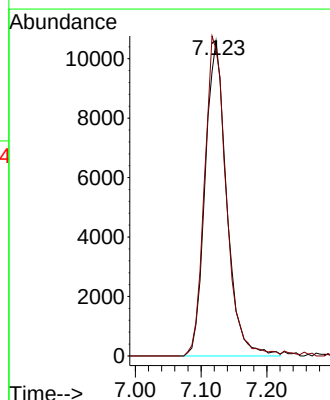
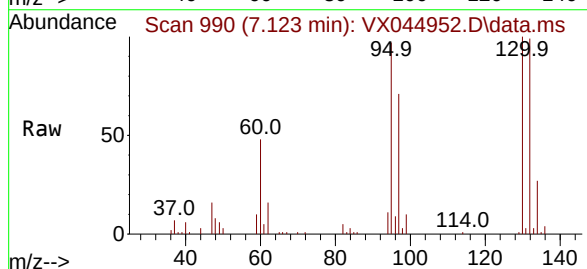
RT: 7.123 min Scan# 990

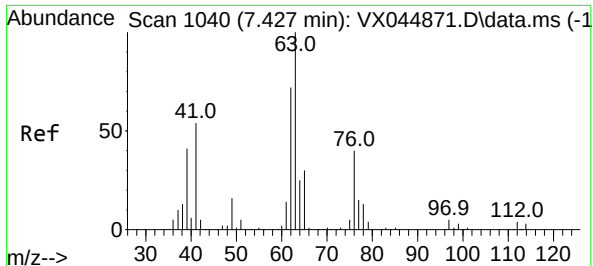
Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:130	Resp: 24052
Ion Ratio	Lower Upper
130 100	
95 97.4	0.0 202.4





#45

1,2-Dichloropropane

Concen: 19.518 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 63 Resp: 2631

Ion Ratio Lower Upper

63 100

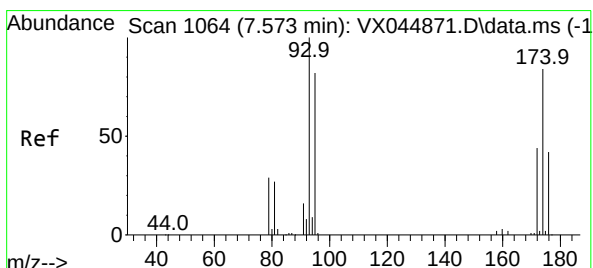
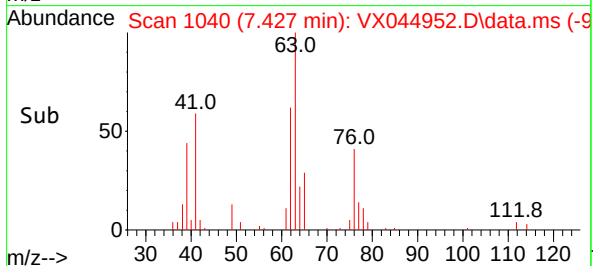
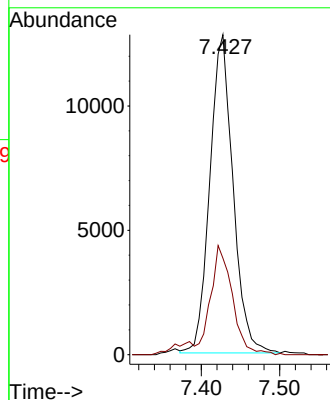
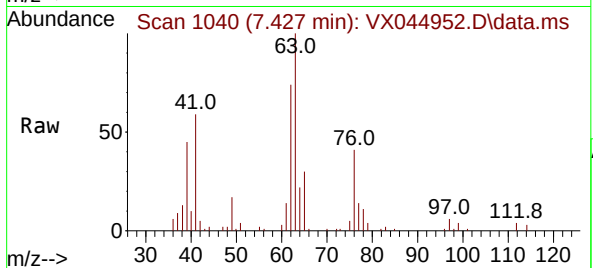
65 29.9 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#46

Dibromomethane

Concen: 20.875 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

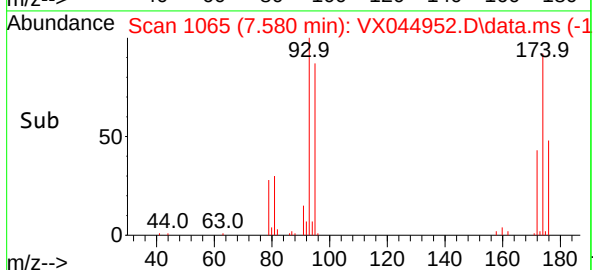
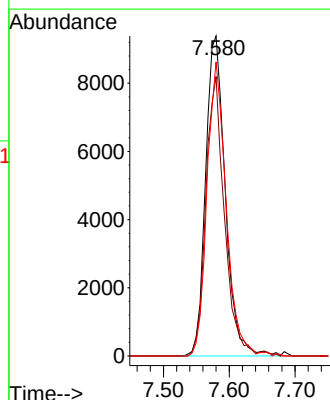
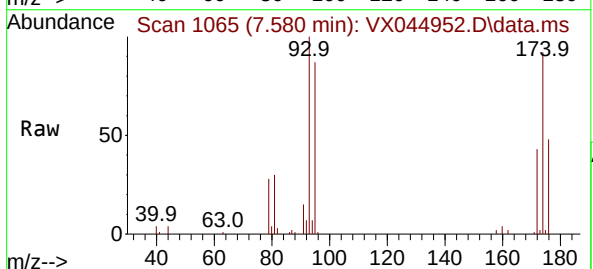
Tgt Ion: 93 Resp: 19515

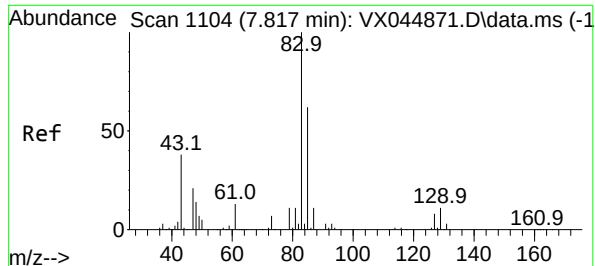
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 90.0 69.9 104.9





#47

Bromodichloromethane

Concen: 20.853 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

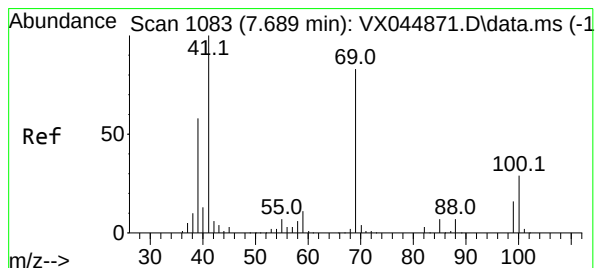
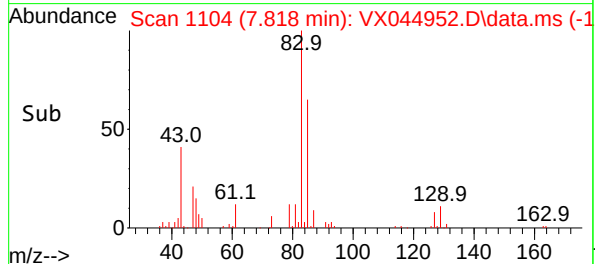
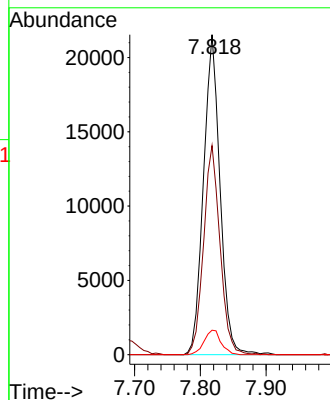
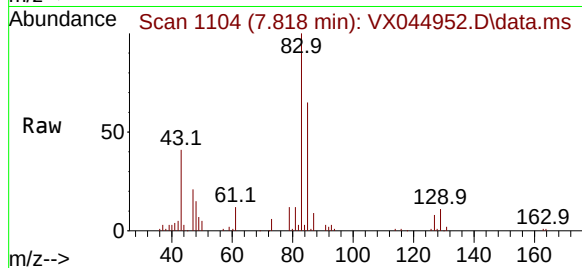
VX0214WBSD01

Tgt Ion:	83	Resp:	3774
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.0	75.0
127	7.7	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#48

Methyl methacrylate

Concen: 21.671 ug/l

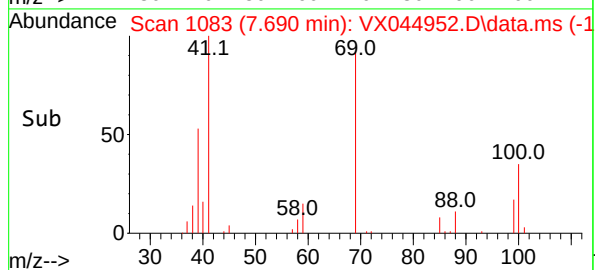
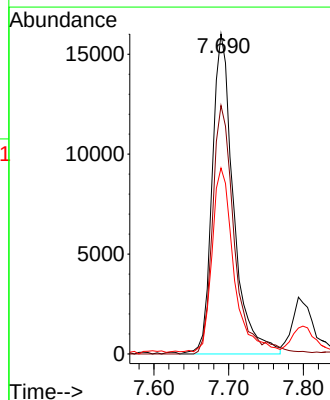
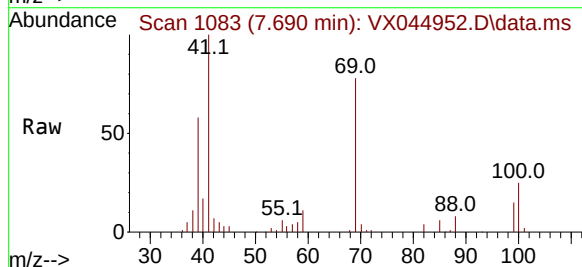
RT: 7.690 min Scan# 1083

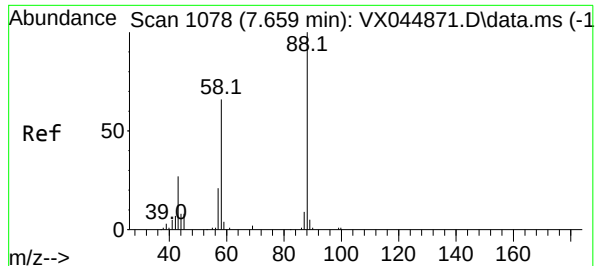
Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:	41	Resp:	31848
Ion	Ratio	Lower	Upper
41	100		
69	79.7	65.8	98.8
39	60.1	46.4	69.6





#49

1,4-Dioxane

Concen: 443.448 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 88 Resp: 1398

Ion Ratio Lower Upper

88 100

43 35.9 26.6 39.8

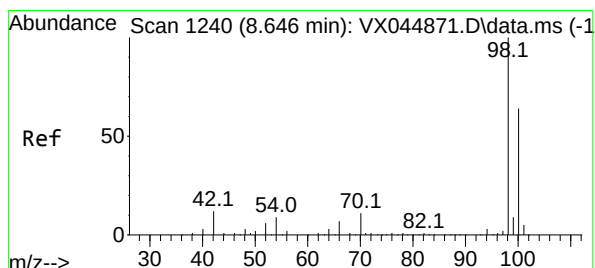
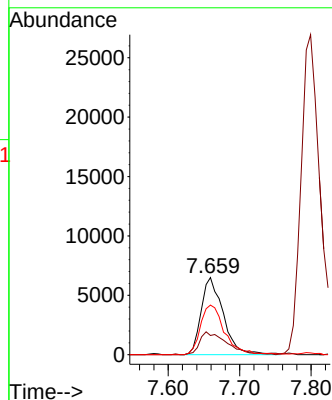
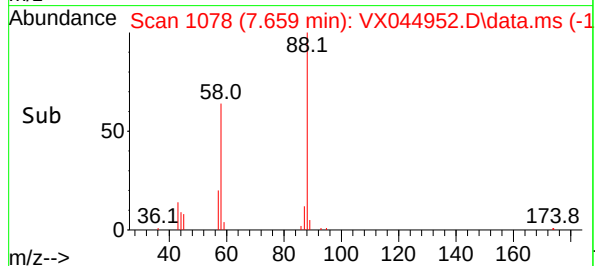
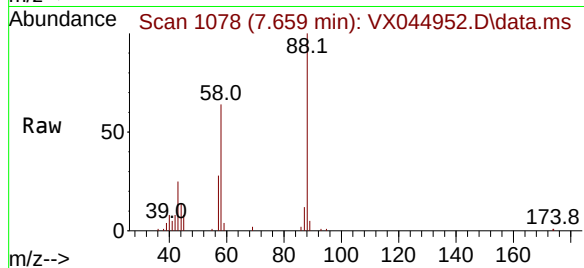
58 69.9 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#50

Toluene-d8

Concen: 49.828 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044952.D

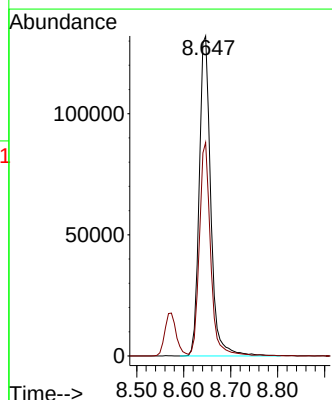
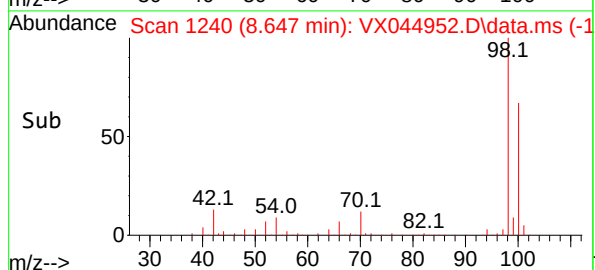
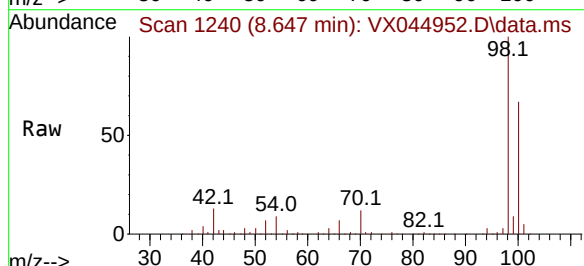
Acq: 14 Feb 2025 11:40

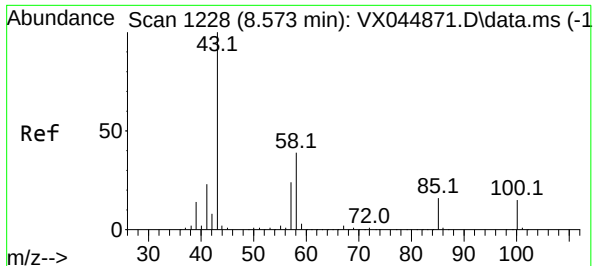
Tgt Ion: 98 Resp: 226624

Ion Ratio Lower Upper

98 100

100 64.2 52.7 79.1





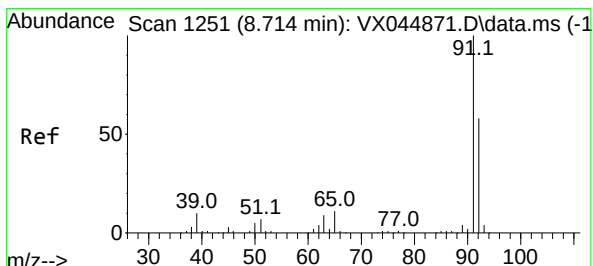
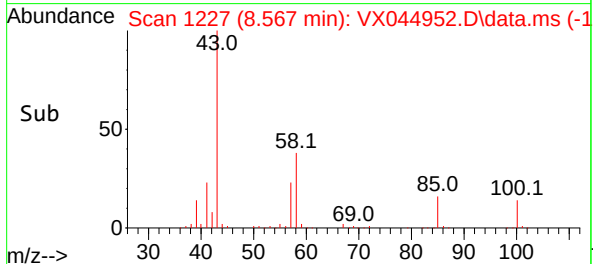
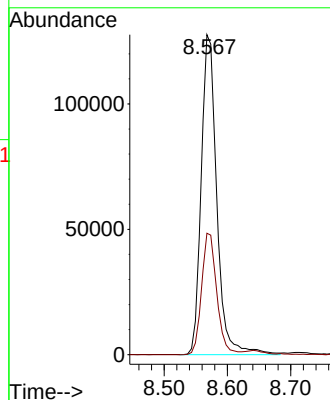
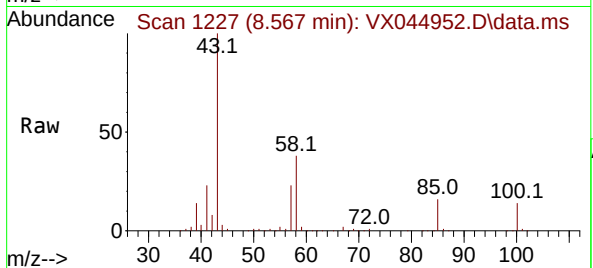
#51
4-Methyl-2-Pentanone
Concen: 115.888 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion: 43 Resp: 21958
Ion Ratio Lower Upper
43 100
58 36.9 30.8 46.2

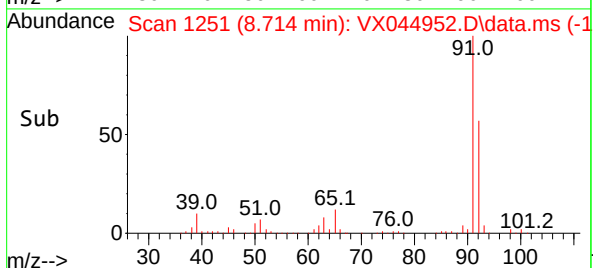
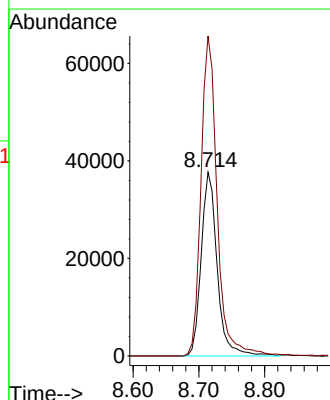
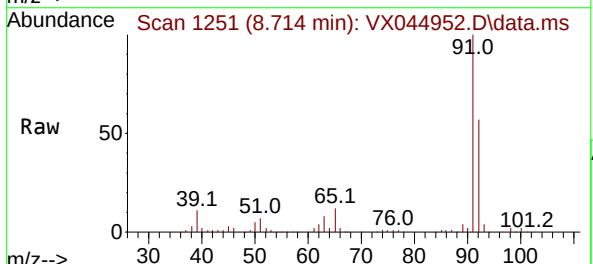
Manual Integrations
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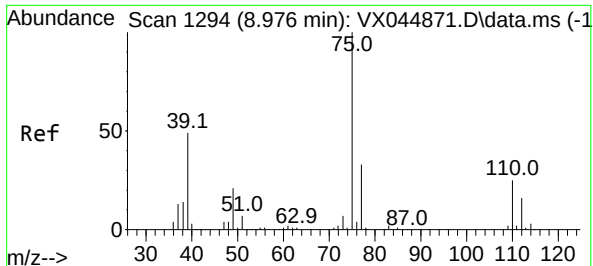
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#52
Toluene
Concen: 19.780 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 92 Resp: 63830
Ion Ratio Lower Upper
92 100
91 176.5 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 19.296 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 75 Resp: 3534

Ion Ratio Lower Upper

75 100

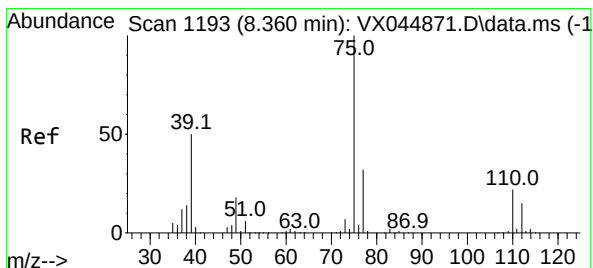
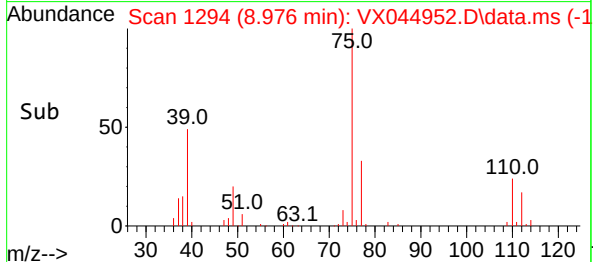
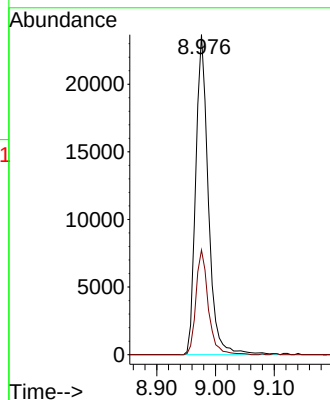
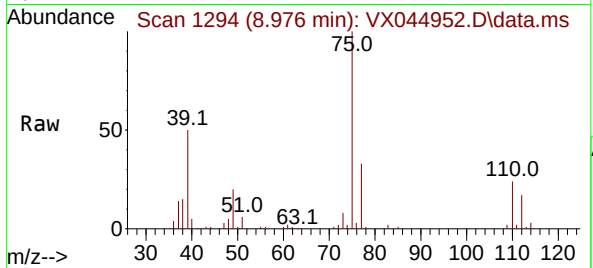
77 32.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#54

cis-1,3-Dichloropropene

Concen: 19.889 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

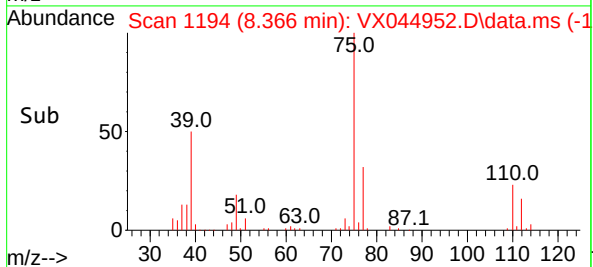
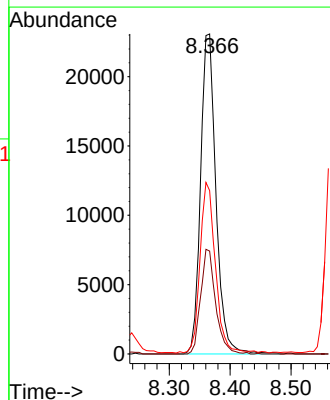
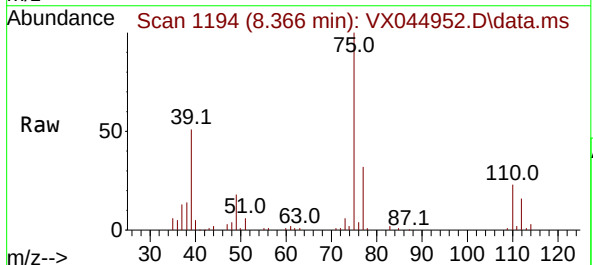
Tgt Ion: 75 Resp: 40620

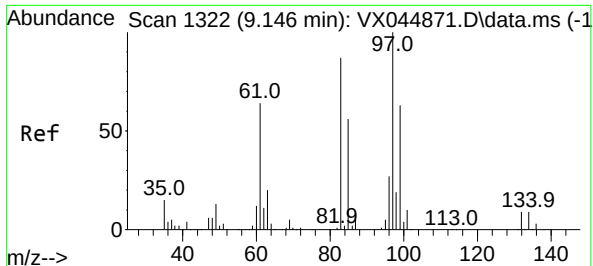
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 50.6 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.408 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 97 Resp: 26550

Ion Ratio Lower Upper

97 100

83 88.8 69.8 104.6

85 55.0 44.8 67.2

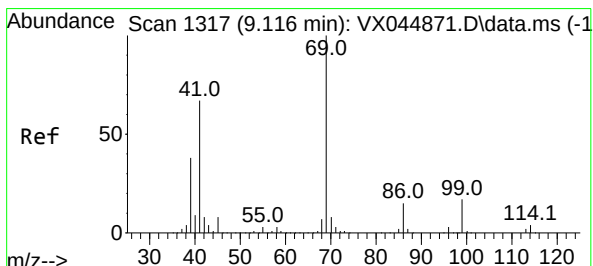
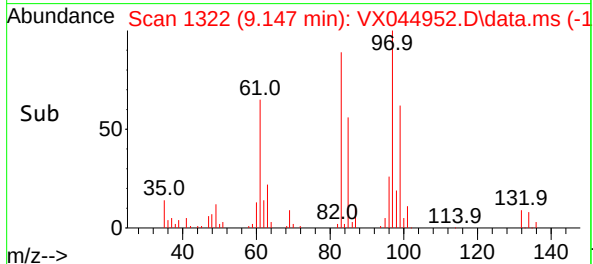
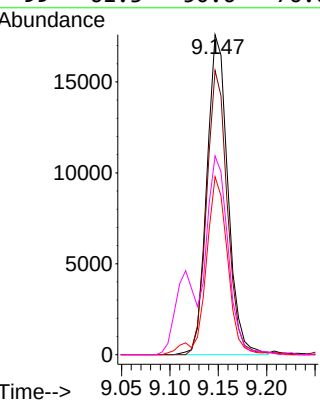
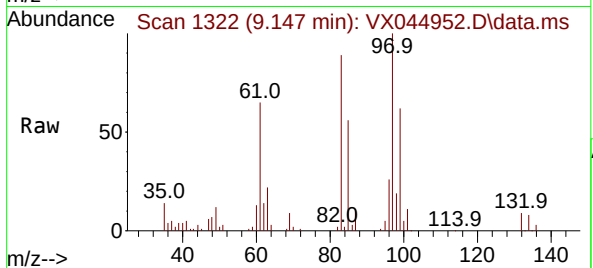
99 61.3 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#56

Ethyl methacrylate

Concen: 20.600 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

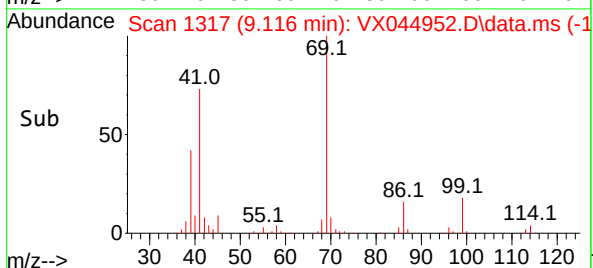
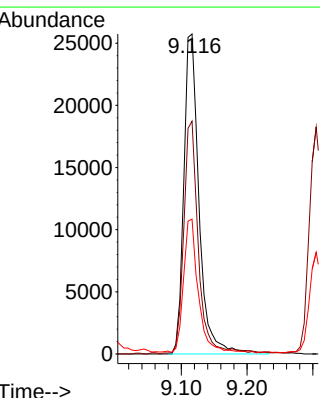
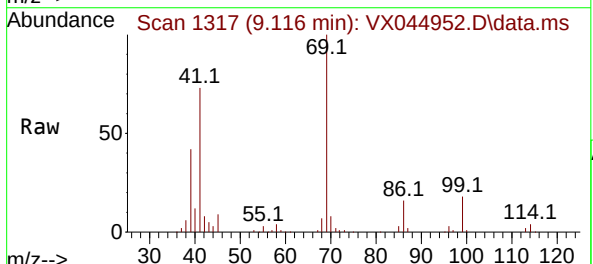
Tgt Ion: 69 Resp: 41272

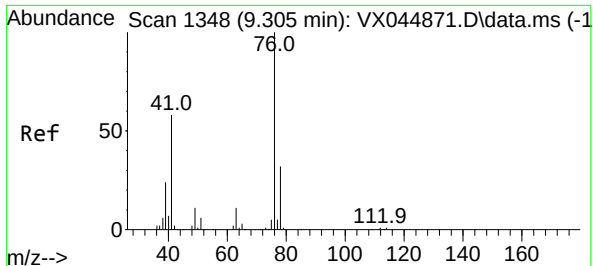
Ion Ratio Lower Upper

69 100

41 69.9 55.2 82.8

39 38.8 30.8 46.2





#57

1,3-Dichloropropane

Concen: 21.061 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 76 Resp: 4571

Ion Ratio Lower Upper

76 100

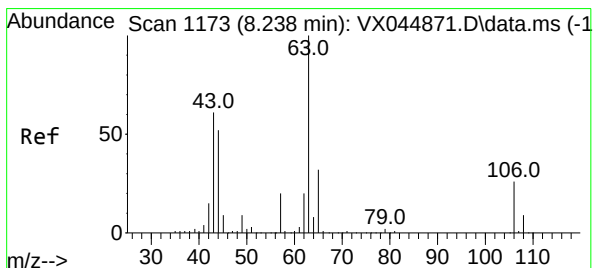
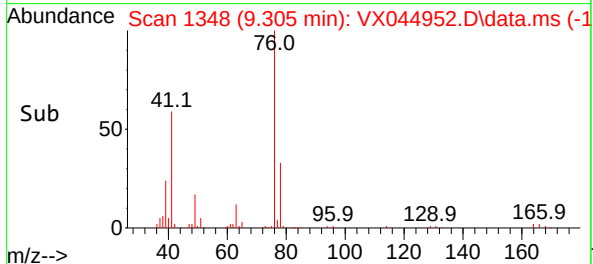
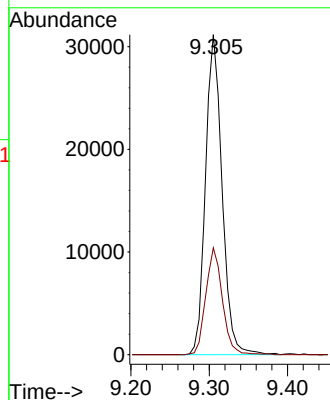
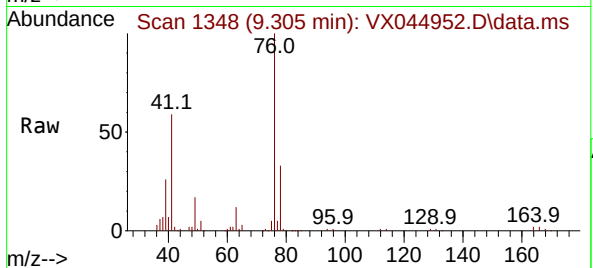
78 33.5 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 101.176 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044952.D

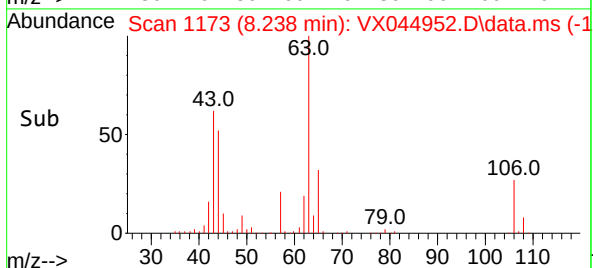
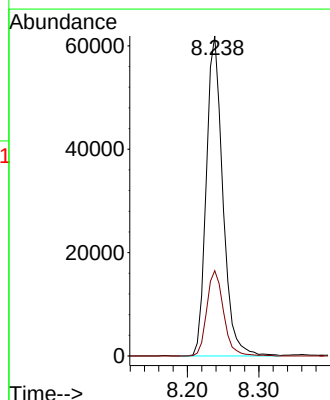
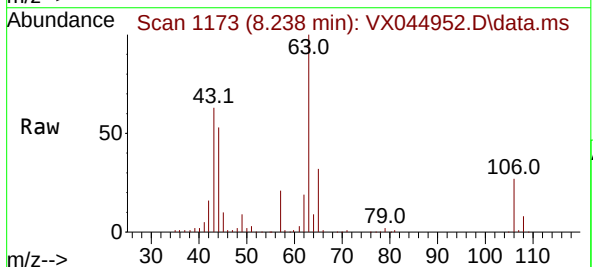
Acq: 14 Feb 2025 11:40

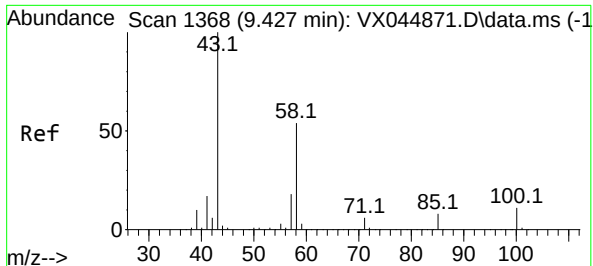
Tgt Ion: 63 Resp: 99532

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 116.671 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 43 Resp: 159284

Ion Ratio Lower Upper

43 100

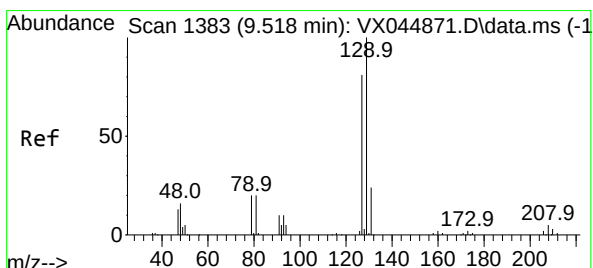
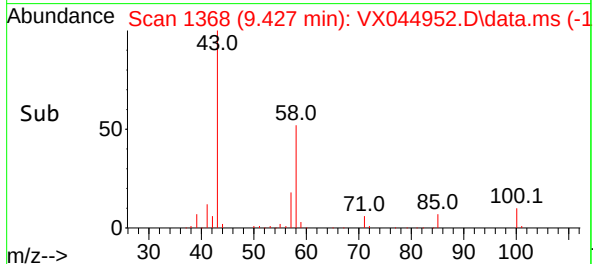
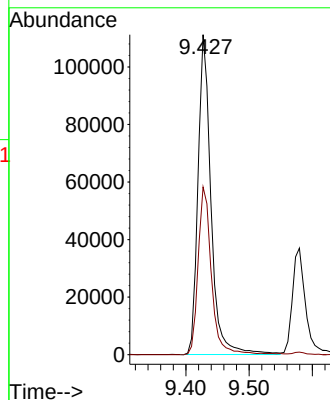
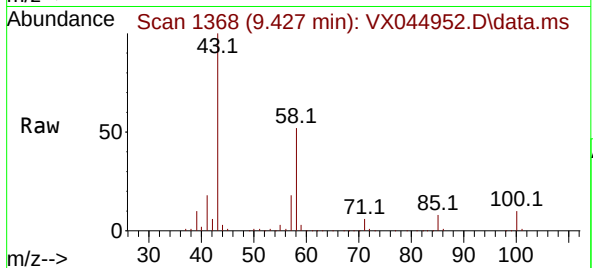
58 54.1 27.5 82.4

Manual Integrations

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Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#60

Dibromochloromethane

Concen: 21.203 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044952.D

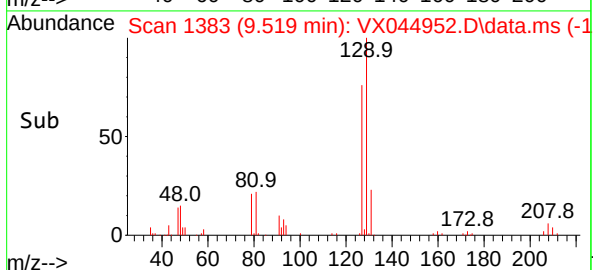
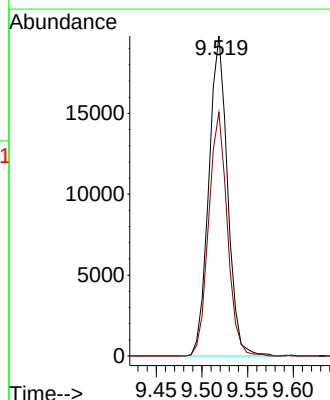
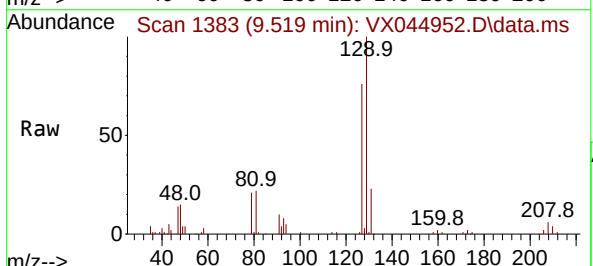
Acq: 14 Feb 2025 11:40

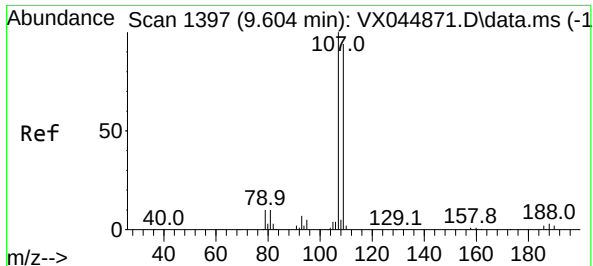
Tgt Ion:129 Resp: 28129

Ion Ratio Lower Upper

129 100

127 75.6 39.1 117.3





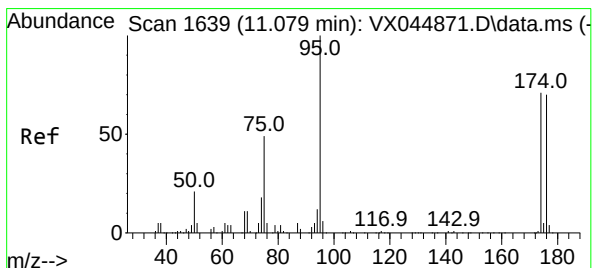
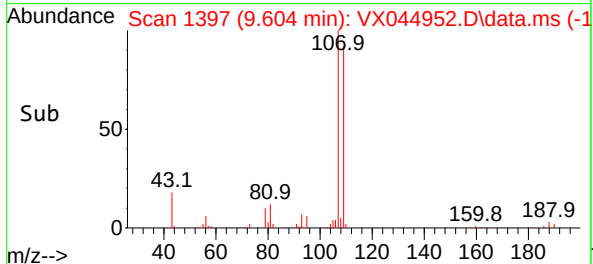
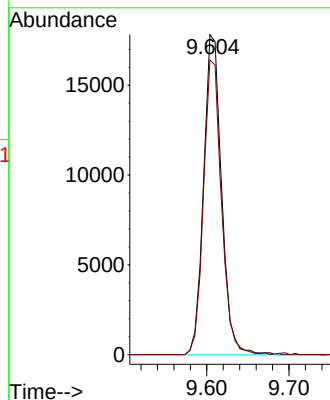
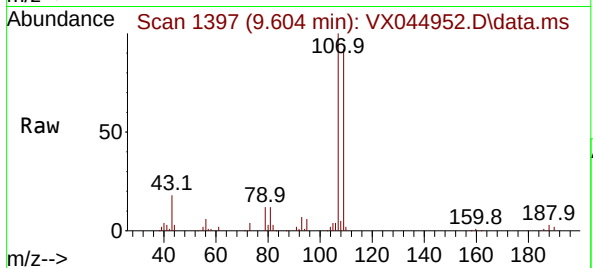
#61
1,2-Dibromoethane
Concen: 21.494 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:107 Resp: 27025
Ion Ratio Lower Upper
107 100
109 92.2 75.9 113.9

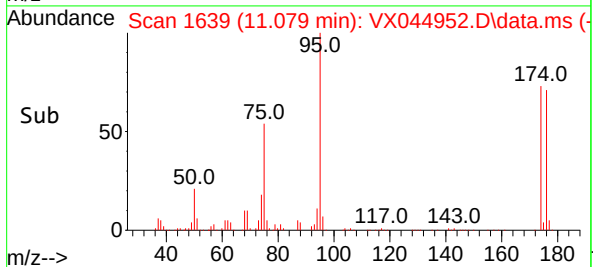
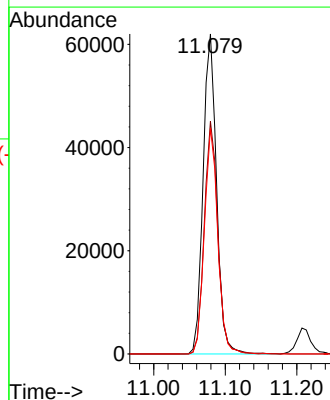
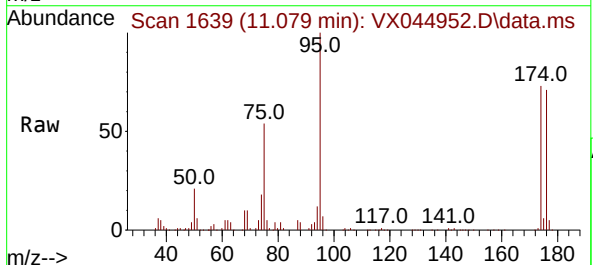
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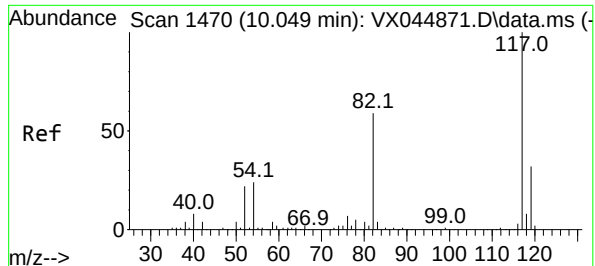
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#62
4-Bromofluorobenzene
Concen: 52.833 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 95 Resp: 81007
Ion Ratio Lower Upper
95 100
174 73.6 0.0 142.6
176 70.3 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion:117 Resp: 164889

Ion Ratio Lower Upper

117 100

82 60.0 47.5 71.3

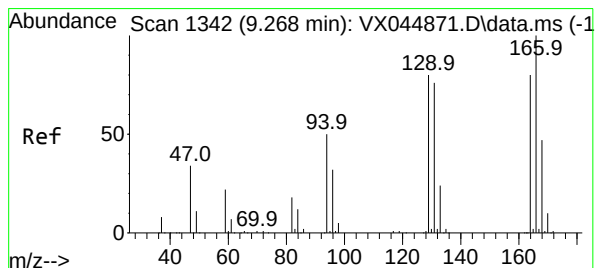
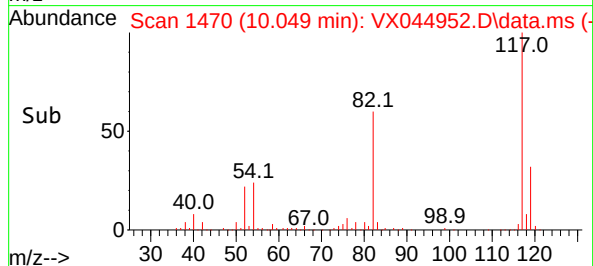
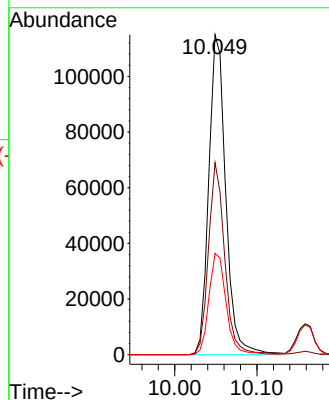
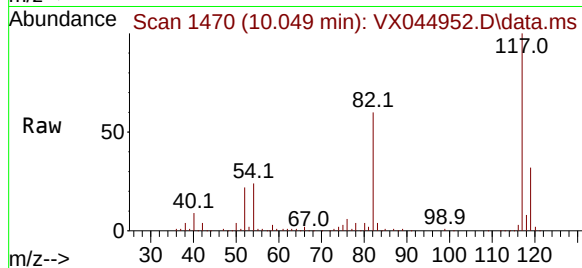
119 31.6 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#64

Tetrachloroethene

Concen: 20.294 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:164 Resp: 21103

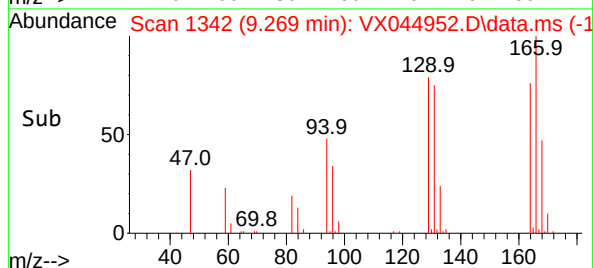
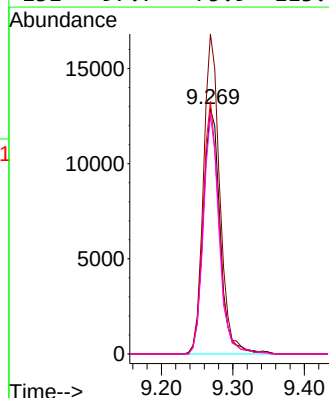
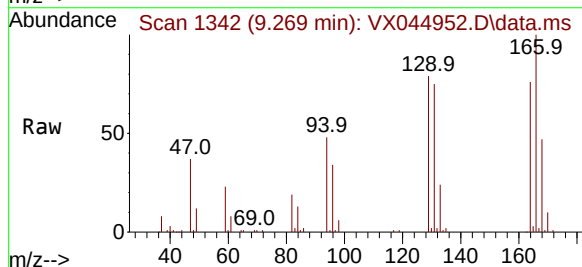
Ion Ratio Lower Upper

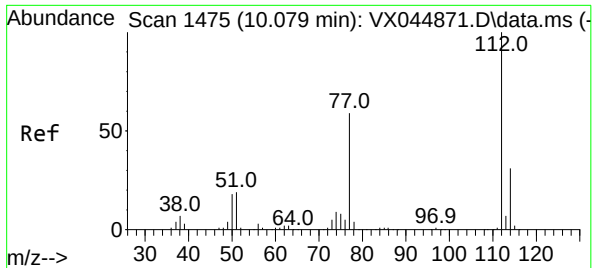
164 100

166 130.8 100.4 150.6

129 103.4 79.9 119.9

131 97.7 75.9 113.9





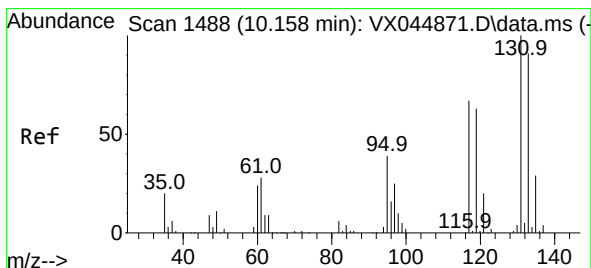
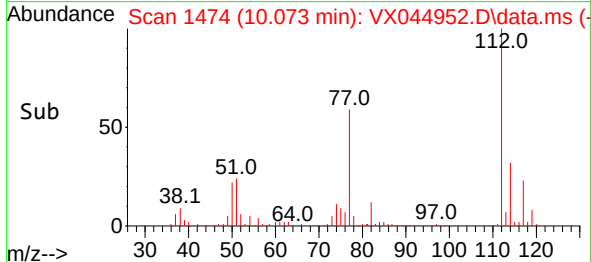
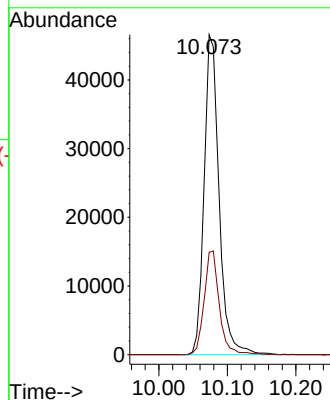
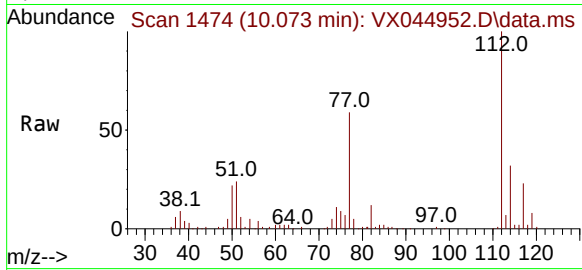
#65
Chlorobenzene
Concen: 20.006 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:112 Resp: 7085
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6

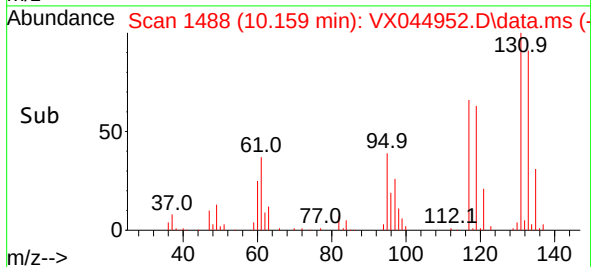
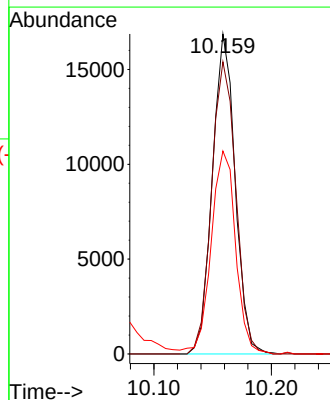
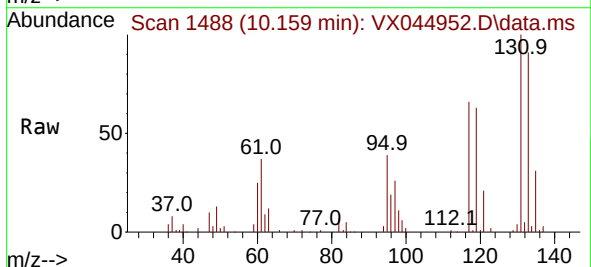
Manual Integrations
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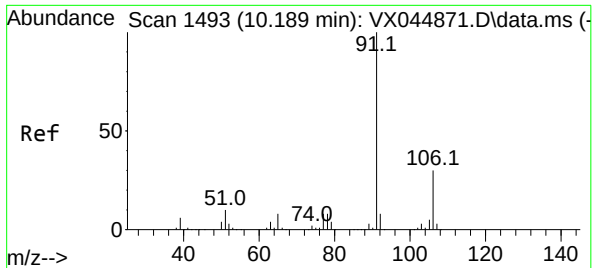
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.951 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

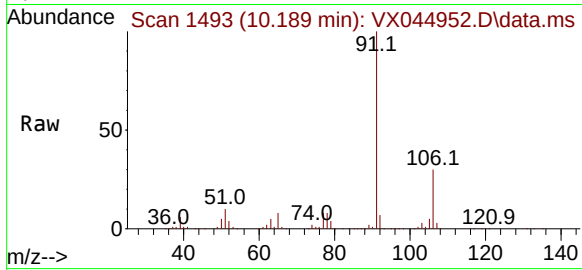
Tgt Ion:131 Resp: 22743
Ion Ratio Lower Upper
131 100
133 97.0 47.1 141.3
119 67.9 33.6 100.6





#67
Ethyl Benzene
Concen: 19.631 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

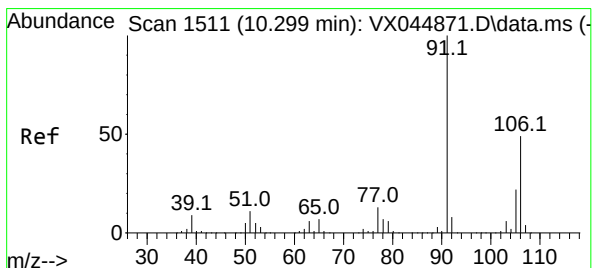
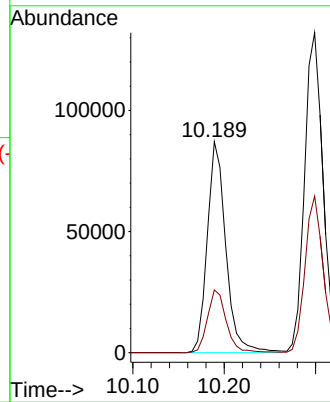
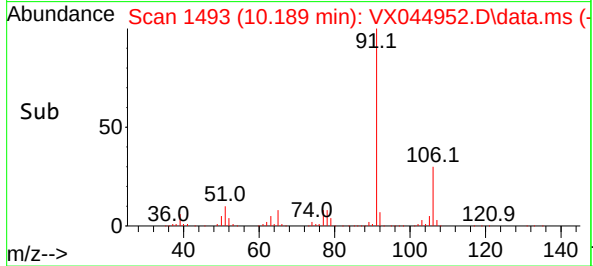
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01



Tgt Ion: 91 Resp: 12268
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9

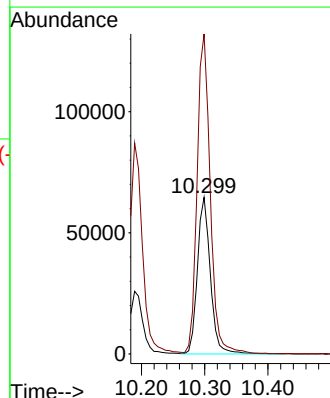
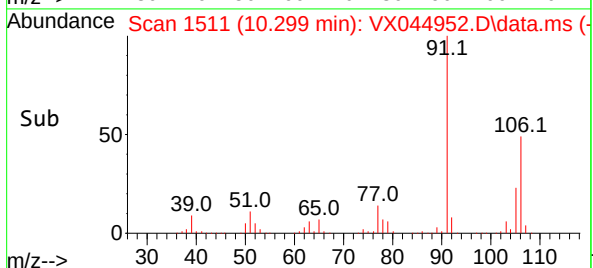
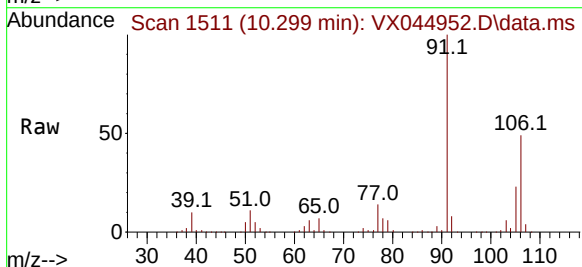
Manual Integrations
APPROVED

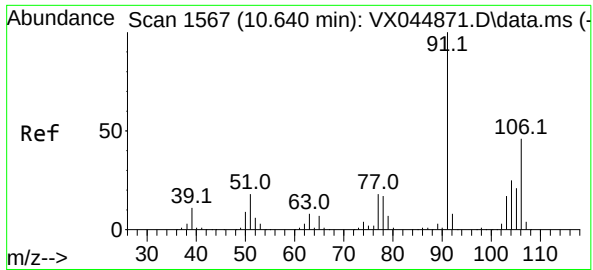
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#68
m/p-Xylenes
Concen: 40.136 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:106 Resp: 92530
Ion Ratio Lower Upper
106 100
91 207.2 164.3 246.5





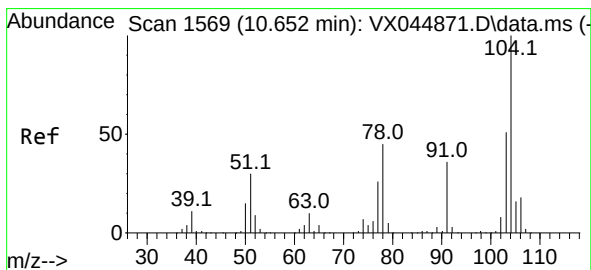
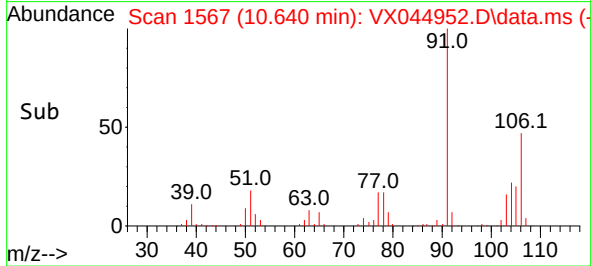
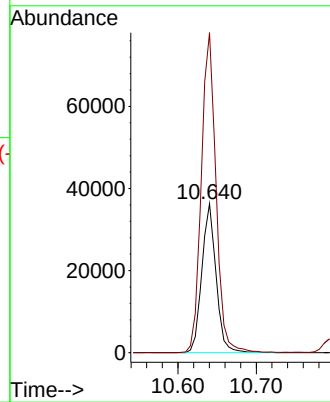
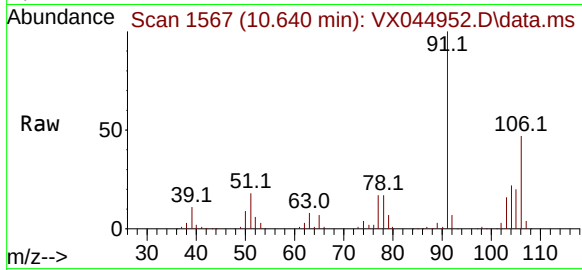
#69
o-Xylene
Concen: 19.838 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:106 Resp: 4589
Ion Ratio Lower Upper
106 100
91 221.9 108.5 325.5

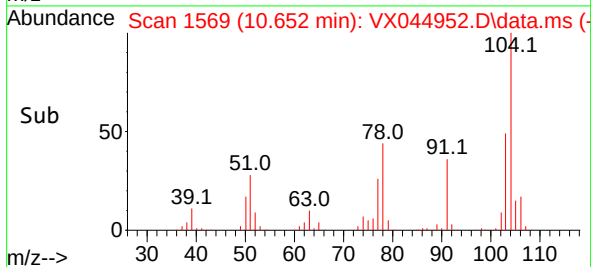
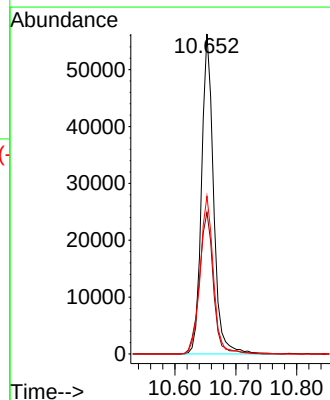
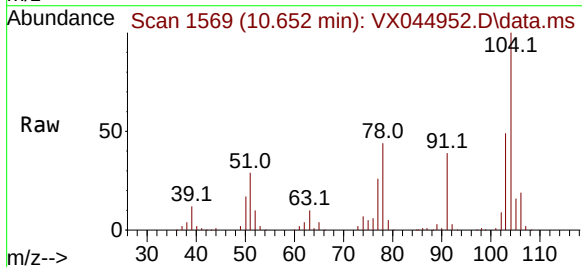
Manual Integrations
APPROVED

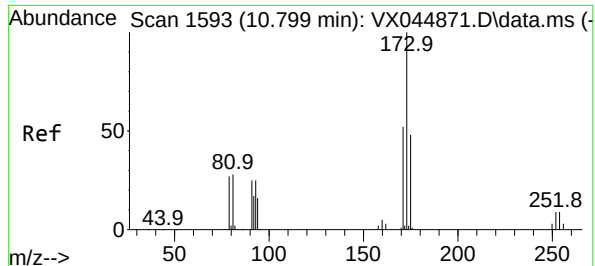
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#70
Styrene
Concen: 20.741 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:104 Resp: 77302
Ion Ratio Lower Upper
104 100
78 51.2 40.5 60.7
103 54.7 43.6 65.4





#71

Bromoform

Concen: 21.264 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

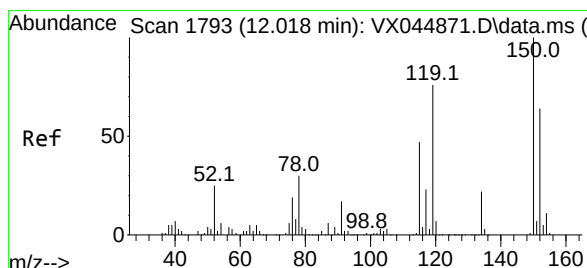
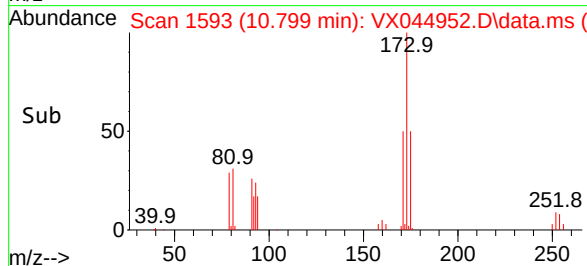
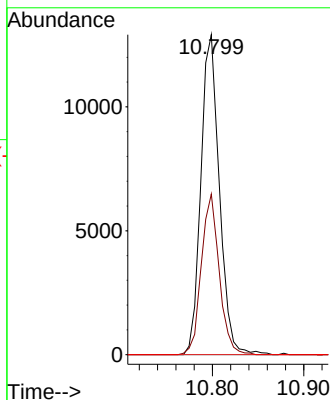
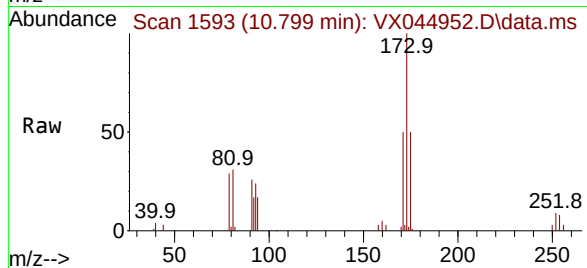
VX0214WBSD01

Tgt Ion:	173	Resp:	18090
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

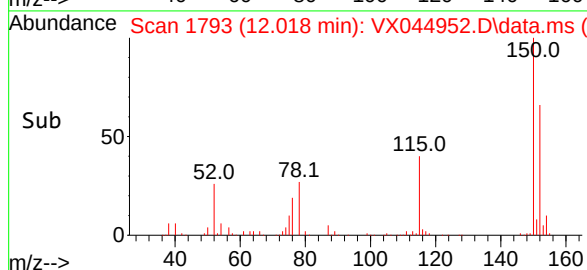
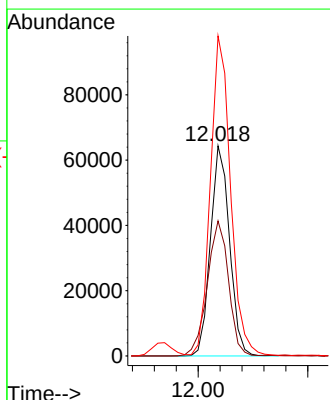
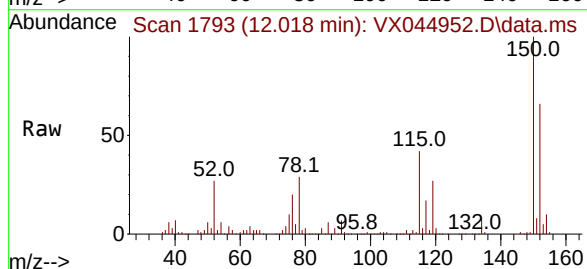
RT: 12.018 min Scan# 1793

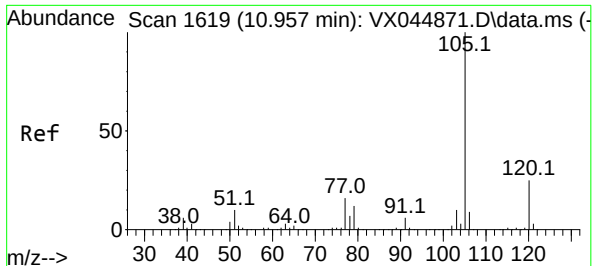
Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:	152	Resp:	77784
Ion Ratio	Lower	Upper	
152	100		
115	71.7	43.4	130.1
150	160.7	0.0	350.4





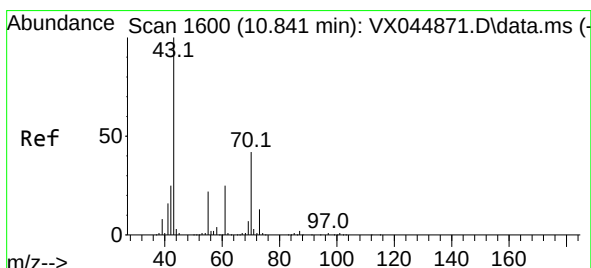
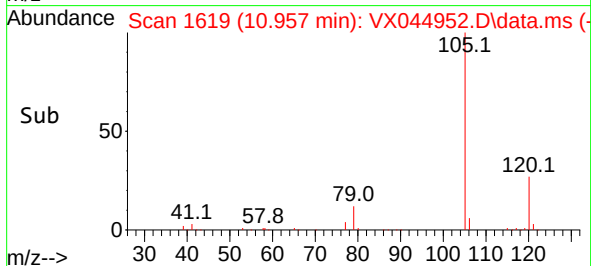
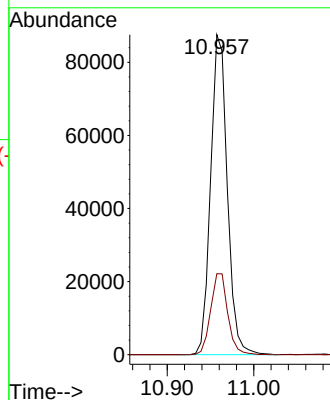
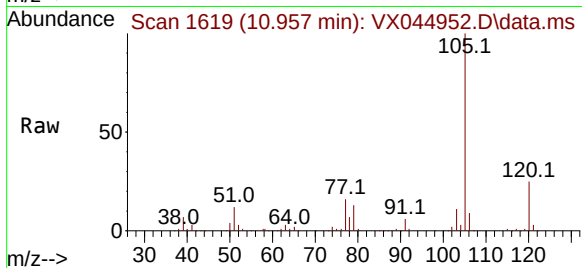
#73
Isopropylbenzene
Concen: 18.691 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:105 Resp: 11706
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

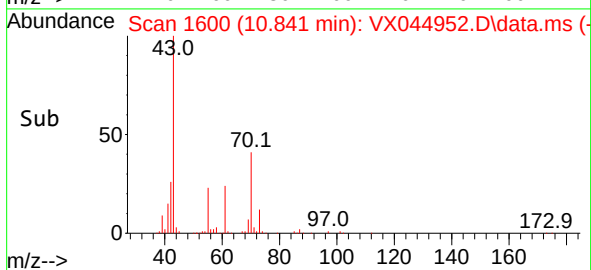
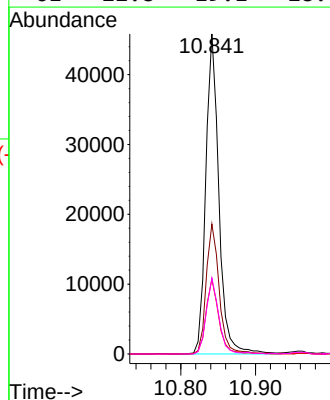
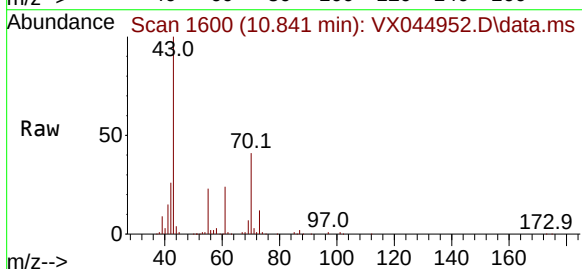
Manual Integrations
APPROVED

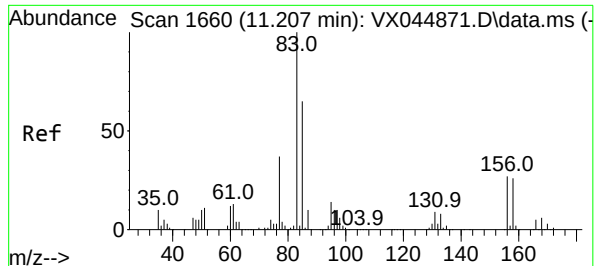
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#74
N-ethyl acetate
Concen: 19.604 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 43 Resp: 55559
Ion Ratio Lower Upper
43 100
70 40.6 33.7 50.5
55 22.9 18.6 27.8
61 22.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.576 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

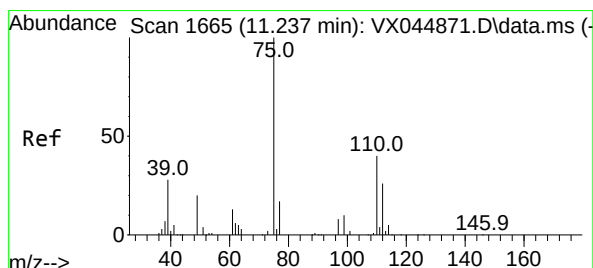
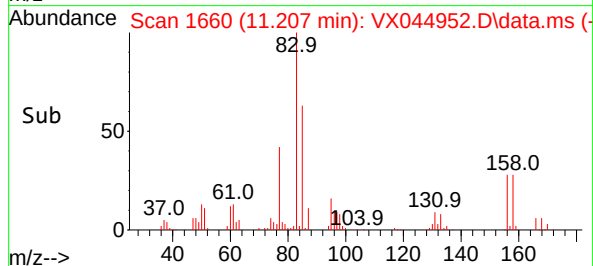
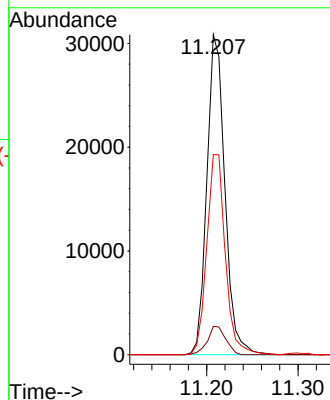
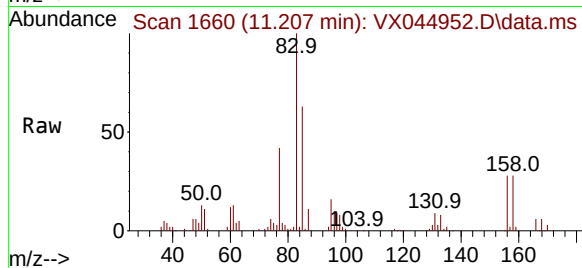
Tgt Ion:	83	Resp:	42130
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	64.4	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#76

1,2,3-Trichloropropane

Concen: 19.747 ug/l m

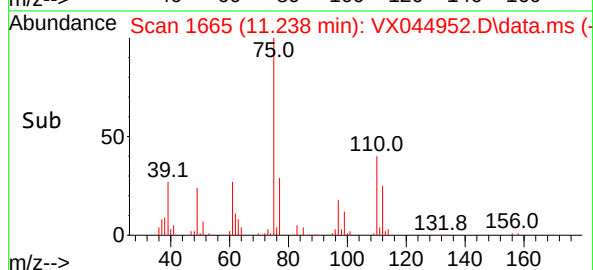
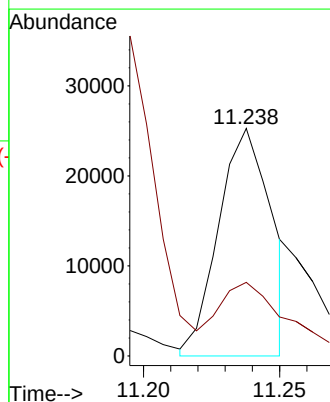
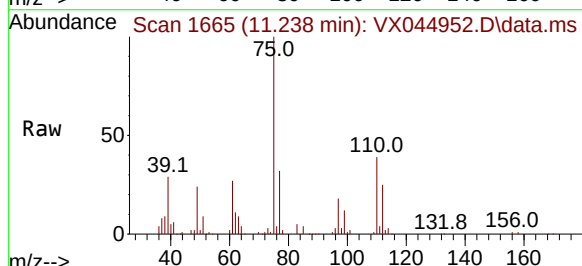
RT: 11.238 min Scan# 1665

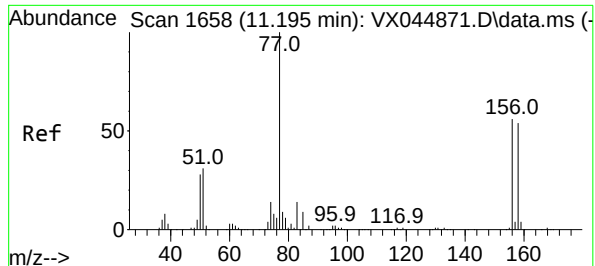
Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:	75	Resp:	34055
Ion Ratio	Lower	Upper	
75	100		
77	42.3	21.9	65.7





#77

Bromobenzene

Concen: 19.251 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

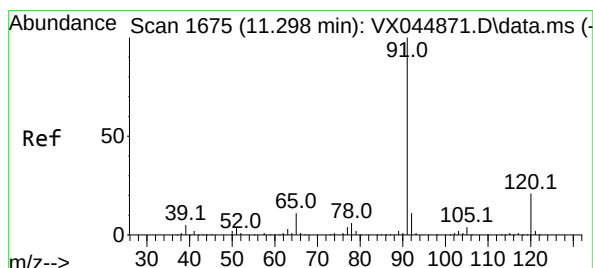
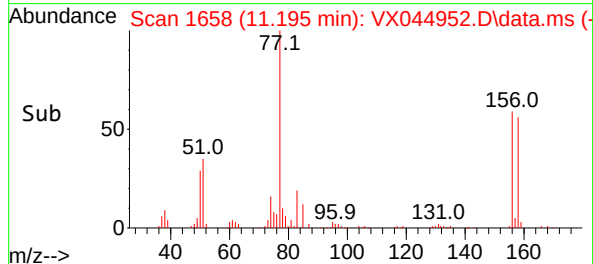
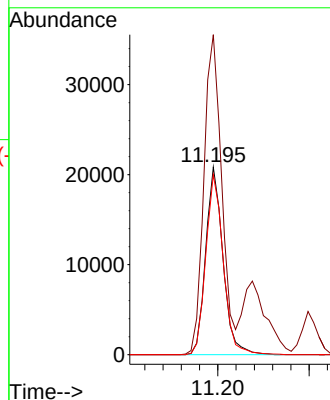
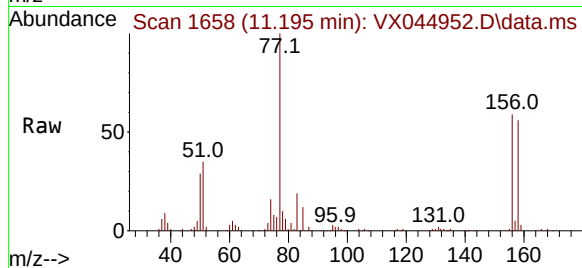
VX0214WBSD01

Tgt Ion:	156	Resp:	2733
Ion Ratio	Lower	Upper	
156	100		
77	175.6	88.4	265.3
158	97.2	48.4	145.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#78

n-propylbenzene

Concen: 19.101 ug/l

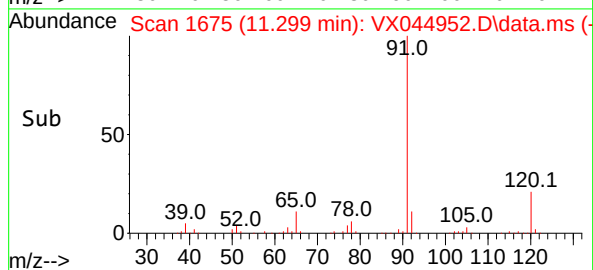
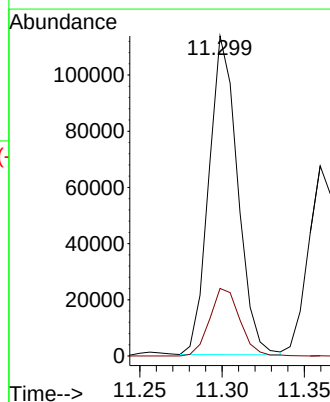
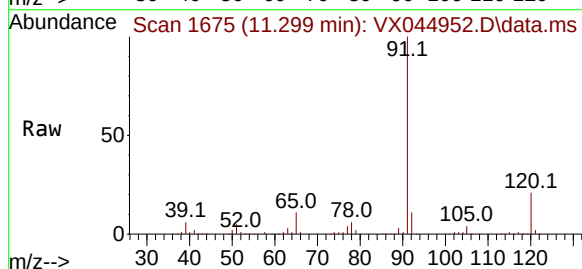
RT: 11.299 min Scan# 1675

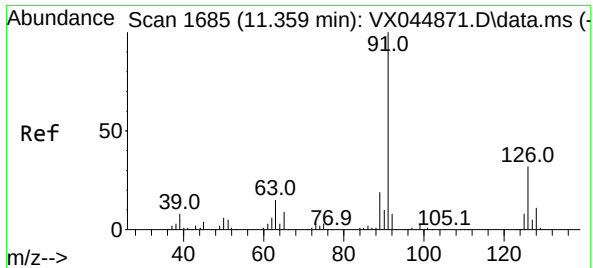
Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:	91	Resp:	138085
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.982 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 91 Resp: 8433

Ion Ratio Lower Upper

91 100

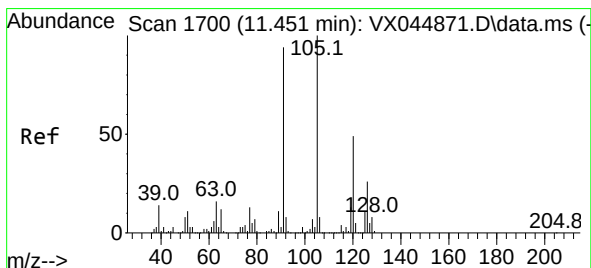
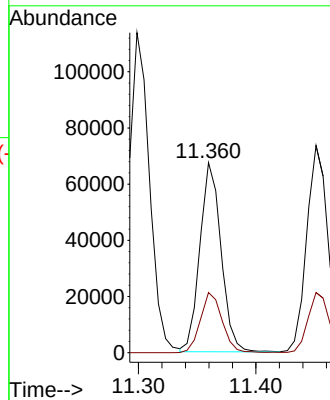
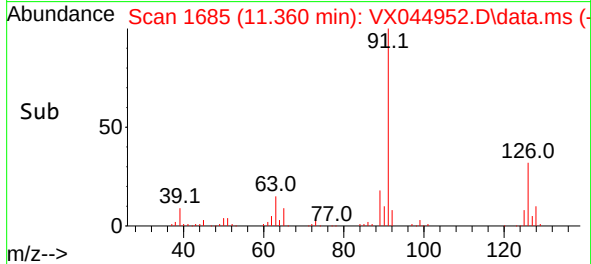
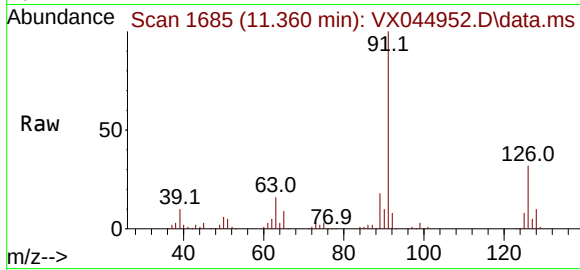
126 32.8 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.292 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044952.D

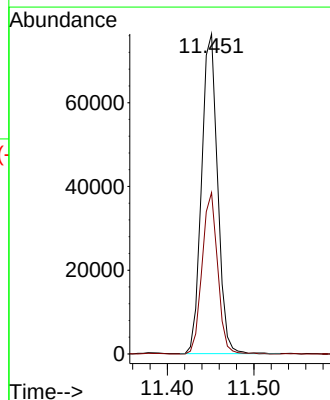
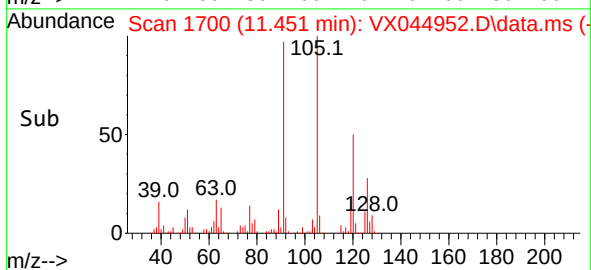
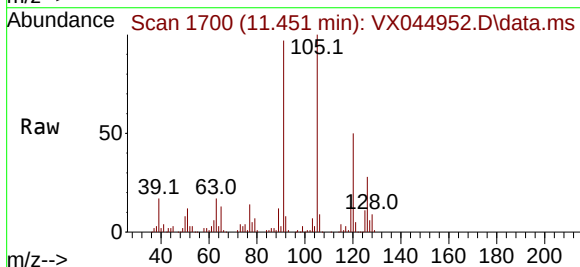
Acq: 14 Feb 2025 11:40

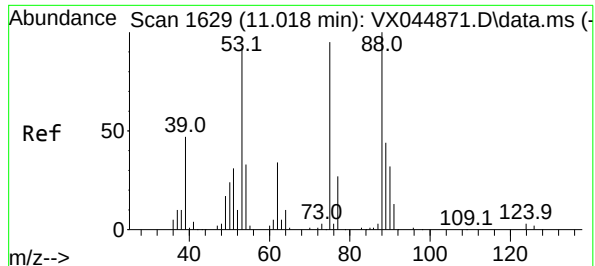
Tgt Ion:105 Resp: 98051

Ion Ratio Lower Upper

105 100

120 48.9 24.0 72.0





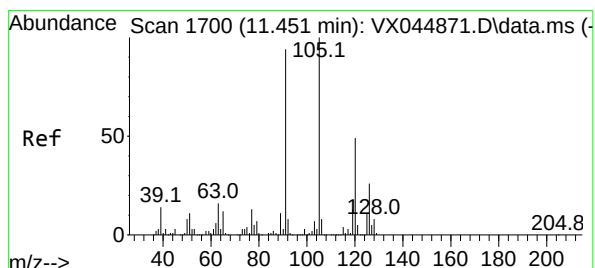
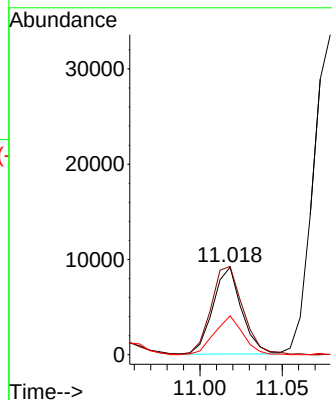
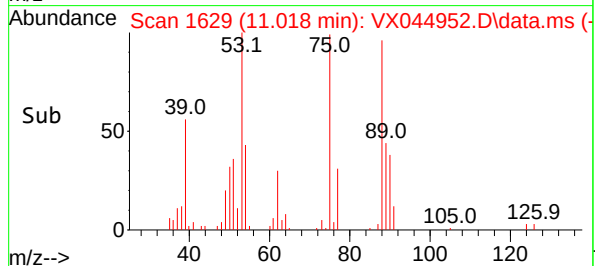
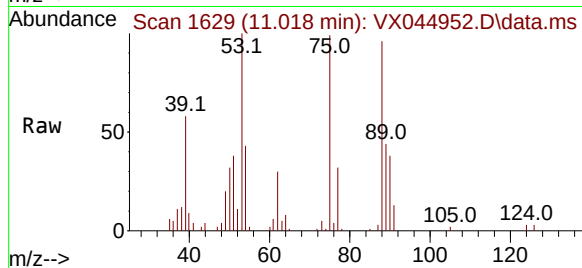
#81
trans-1,4-Dichloro-2-butene
Concen: 16.496 ug/l
RT: 11.018 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion: 75 Resp: 1105
Ion Ratio Lower Upper
75 100
53 113.0 78.0 117.0
89 44.6 36.6 54.8

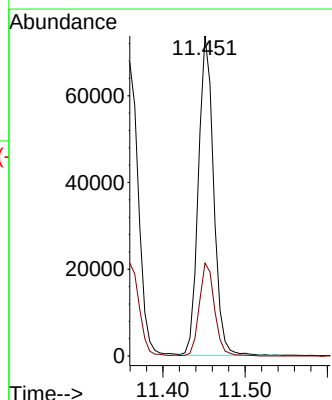
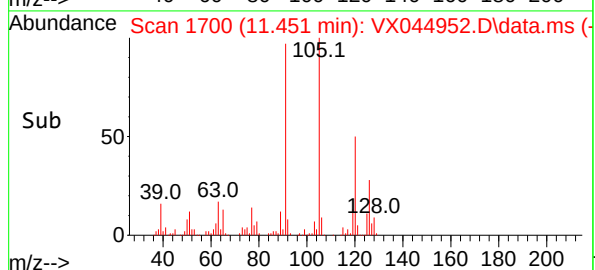
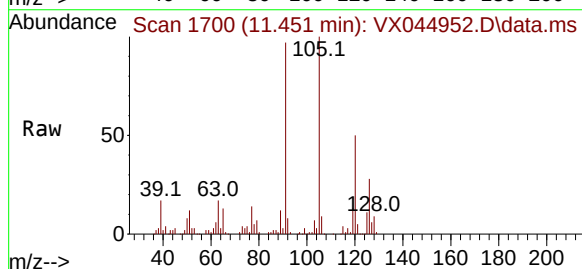
Manual Integrations
APPROVED

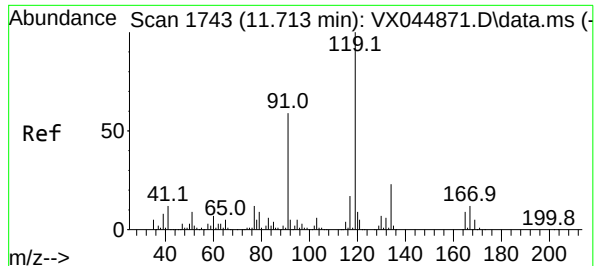
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#82
4-Chlorotoluene
Concen: 19.233 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 91 Resp: 94538
Ion Ratio Lower Upper
91 100
126 29.1 14.2 42.6





#83

tert-Butylbenzene

Concen: 19.359 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion:119 Resp: 9953

Ion Ratio Lower Upper

119 100

91 59.2 29.1 87.4

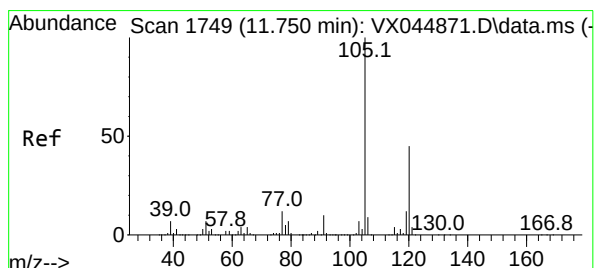
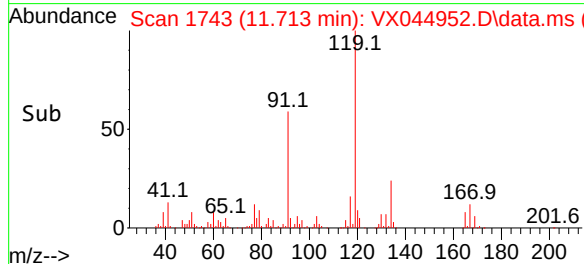
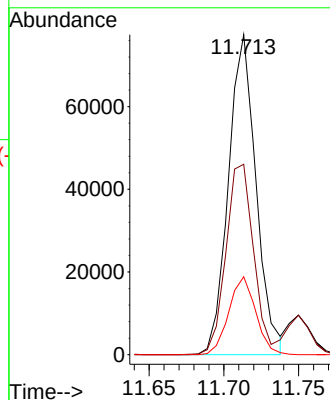
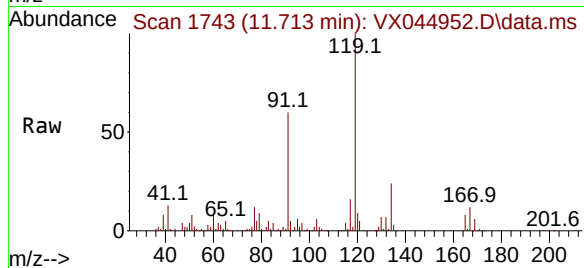
134 23.7 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.957 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044952.D

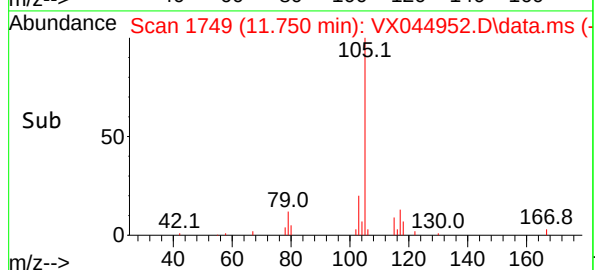
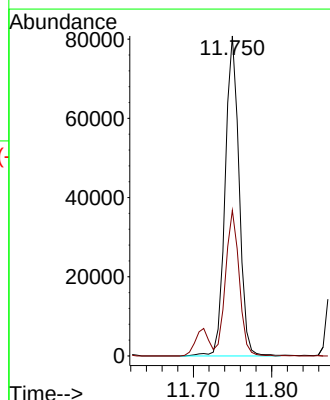
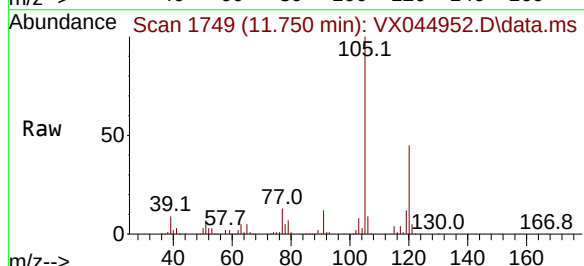
Acq: 14 Feb 2025 11:40

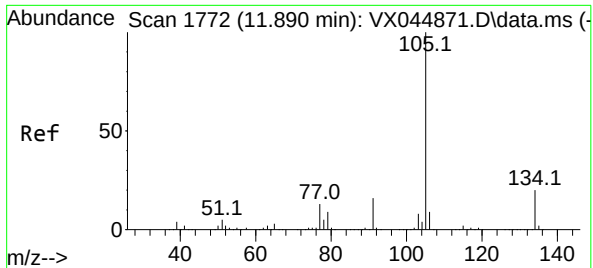
Tgt Ion:105 Resp: 100112

Ion Ratio Lower Upper

105 100

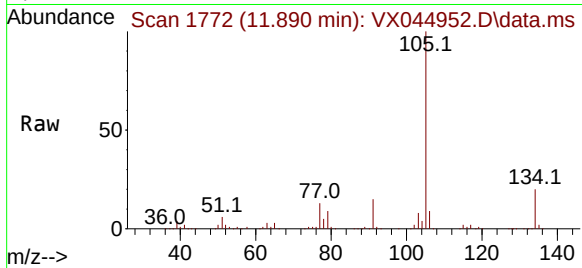
120 44.6 22.4 67.0





#85
sec-Butylbenzene
Concen: 19.808 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

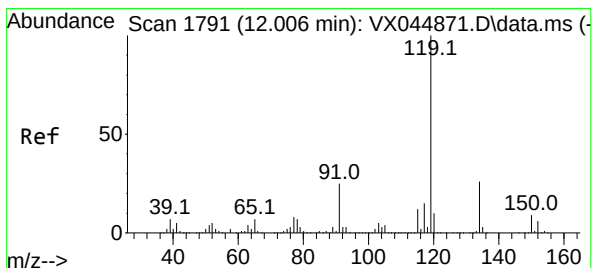
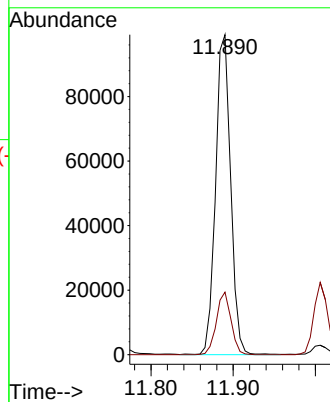
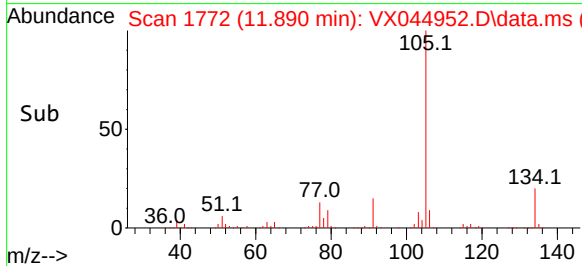
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01



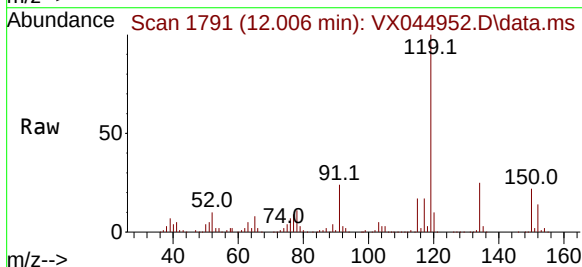
Tgt Ion:105 Resp: 12611
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.3

Manual Integrations
APPROVED

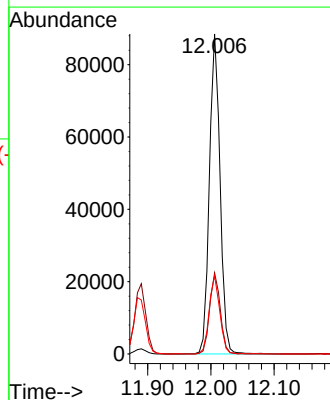
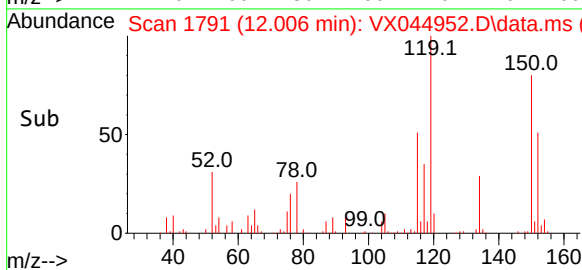
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025

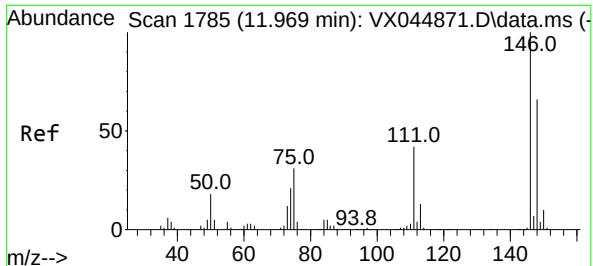


#86
p-Isopropyltoluene
Concen: 20.263 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40



Tgt Ion:119 Resp: 103751
Ion Ratio Lower Upper
119 100
134 25.3 13.0 38.9
91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.359 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion:146 Resp: 50550

Ion Ratio Lower Upper

146 100

111 41.5 21.2 63.6

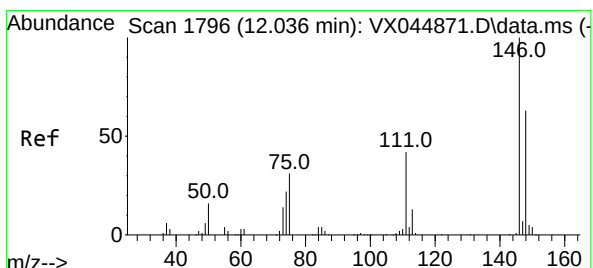
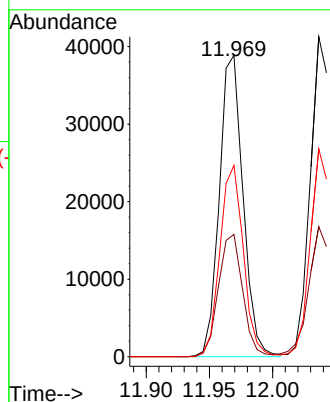
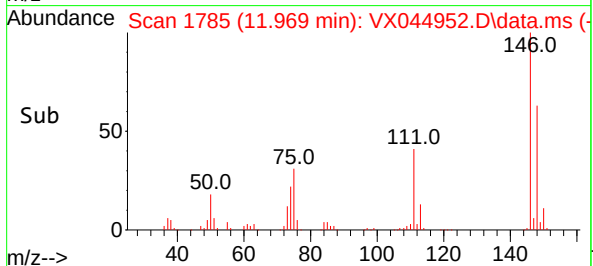
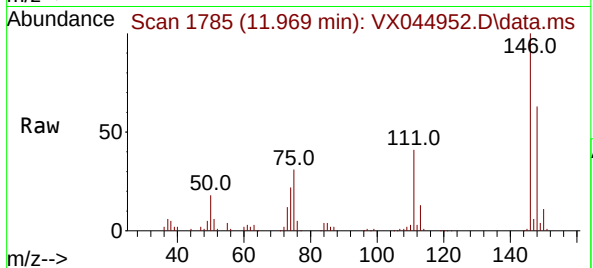
148 62.9 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#88

1,4-Dichlorobenzene

Concen: 19.395 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

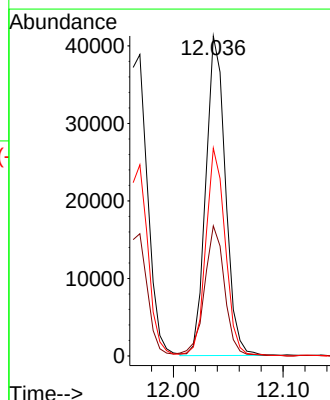
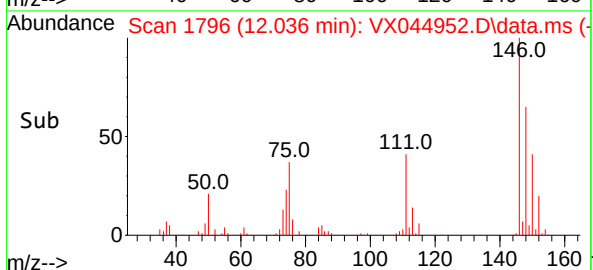
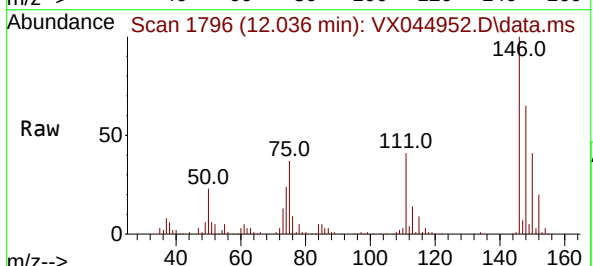
Tgt Ion:146 Resp: 51205

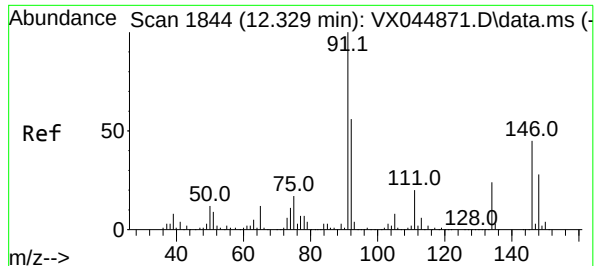
Ion Ratio Lower Upper

146 100

111 42.2 20.4 61.3

148 64.7 32.0 96.0





#89

n-Butylbenzene

Concen: 19.975 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 91 Resp: 9048

Ion Ratio Lower Upper

91 100

92 53.9 27.2 81.6

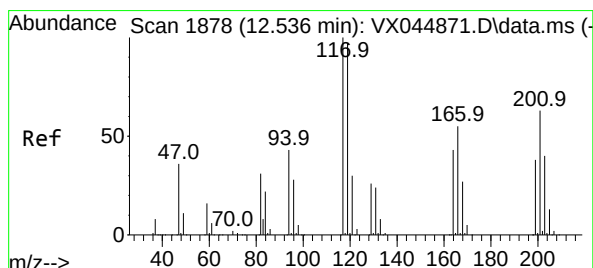
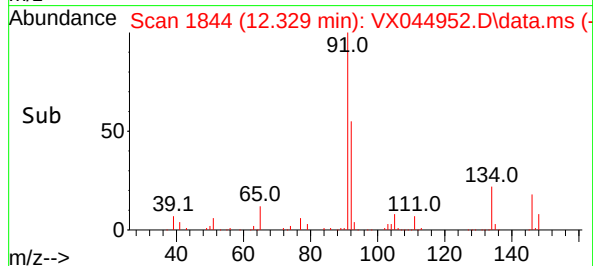
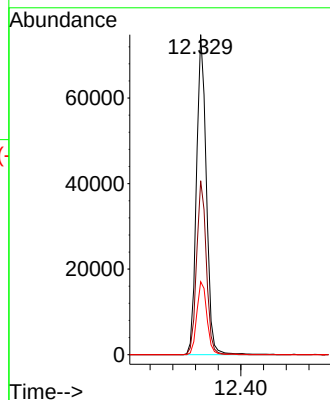
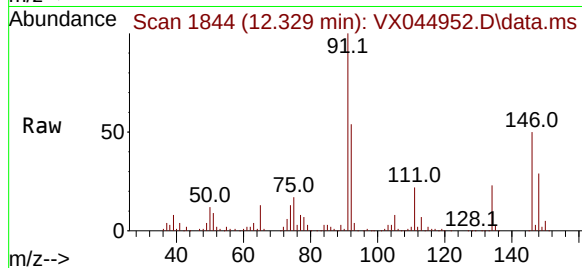
134 23.3 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#90

Hexachloroethane

Concen: 17.989 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044952.D

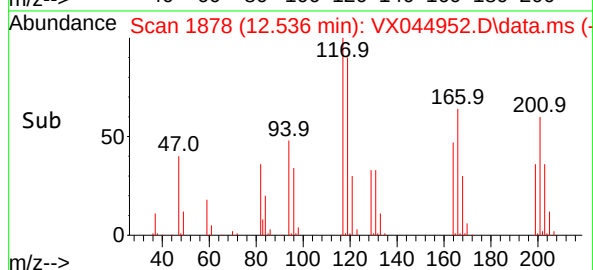
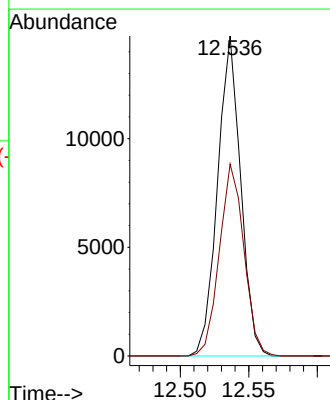
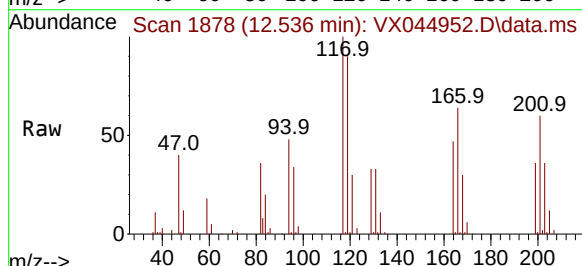
Acq: 14 Feb 2025 11:40

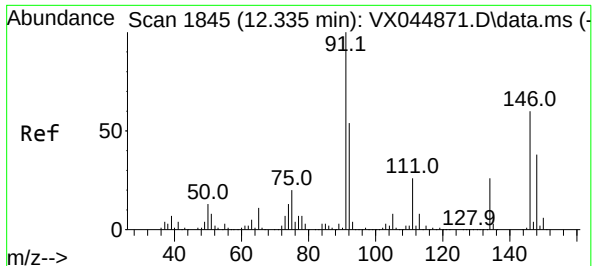
Tgt Ion:117 Resp: 17246

Ion Ratio Lower Upper

117 100

201 63.8 32.5 97.5





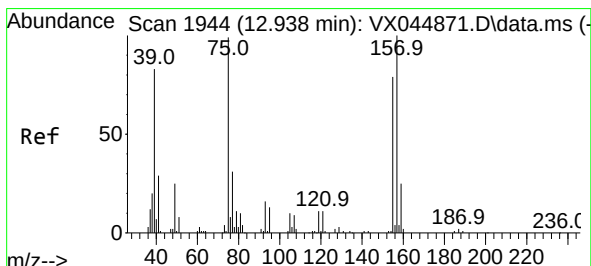
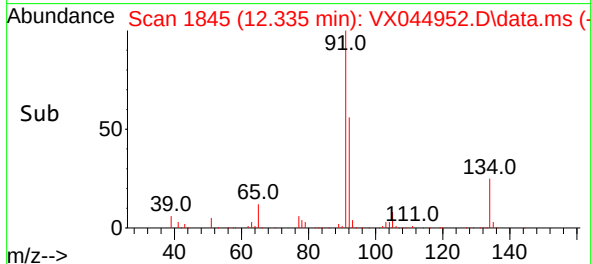
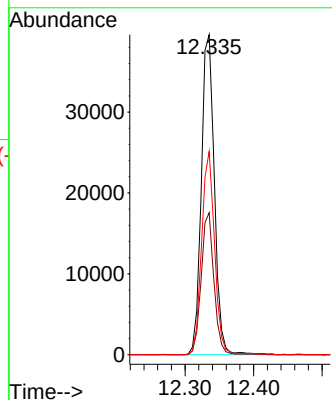
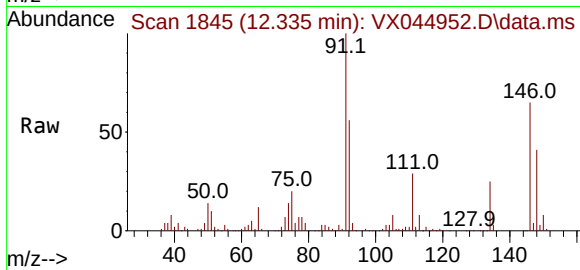
#91
1,2-Dichlorobenzene
Concen: 20.469 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:146 Resp: 52530
Ion Ratio Lower Upper
146 100
111 43.5 21.8 65.4
148 62.6 31.9 95.9

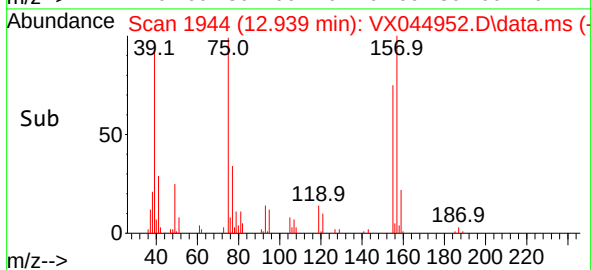
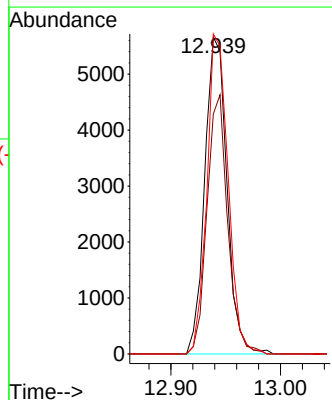
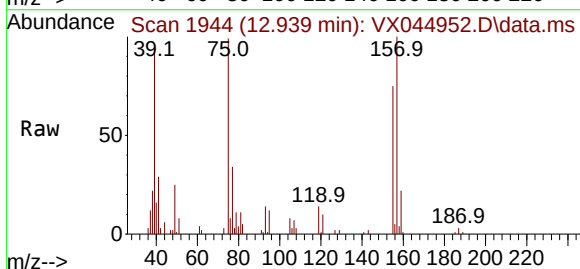
Manual Integrations
APPROVED

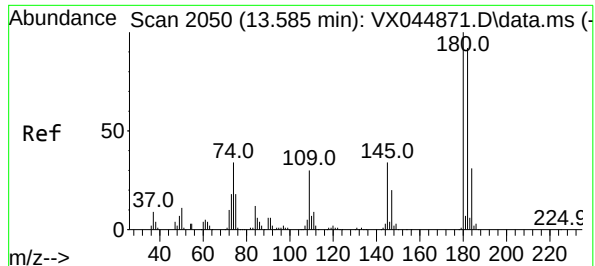
Reviewed By :John Carlone 02/18/2025
Supervised By :Mahesh Dadoda 02/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.217 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 75 Resp: 7941
Ion Ratio Lower Upper
75 100
155 76.6 40.5 121.4
157 96.7 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 19.066 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

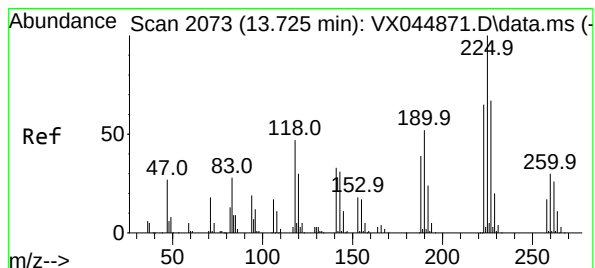
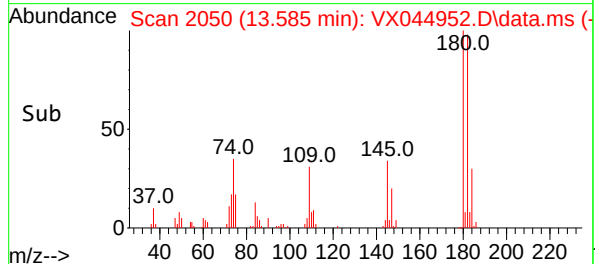
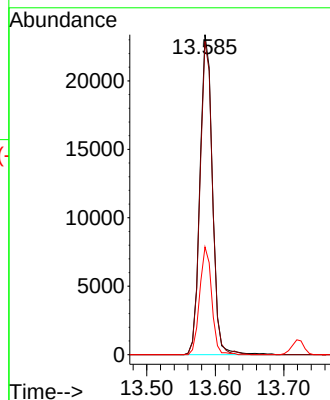
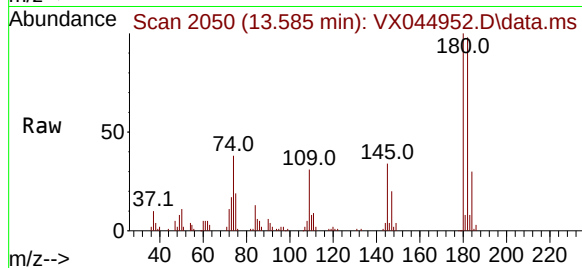
Tgt Ion:	180	Resp:	29608
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.6	142.8
145	32.3	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#94

Hexachlorobutadiene

Concen: 19.827 ug/l

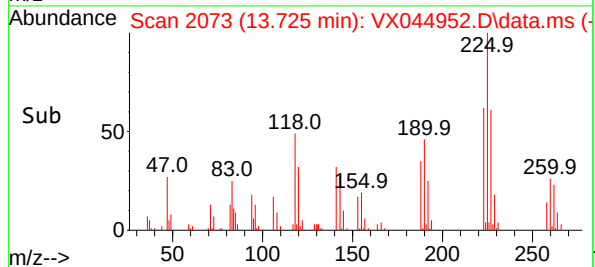
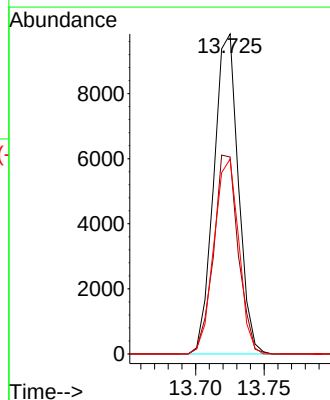
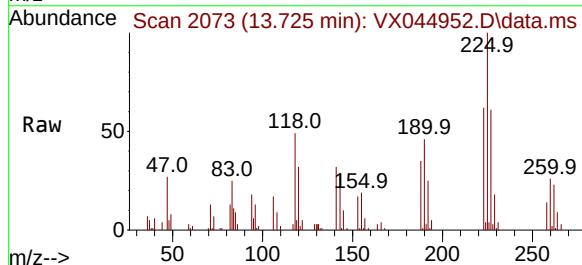
RT: 13.725 min Scan# 2073

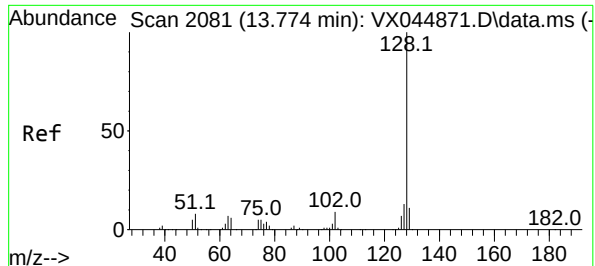
Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion:	225	Resp:	12223
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.2
227	61.6	32.3	96.8





#95

Naphthalene

Concen: 19.661 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion:128 Resp: 110360

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

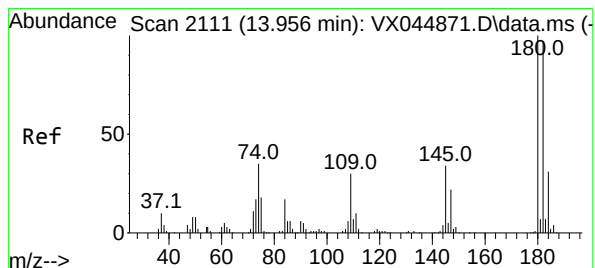
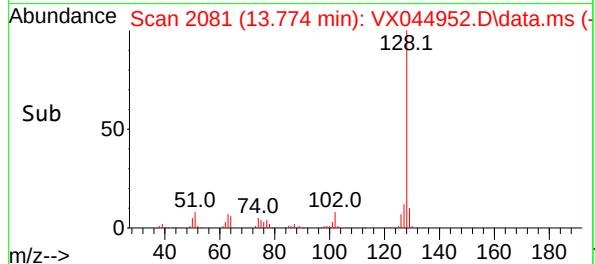
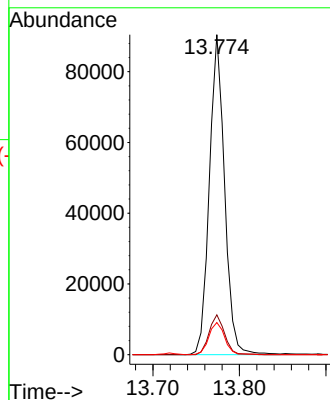
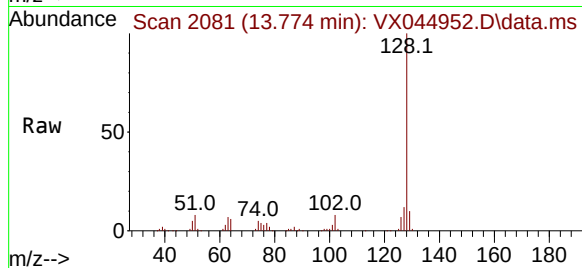
129 10.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/18/2025

Supervised By :Mahesh Dadoda 02/19/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.564 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

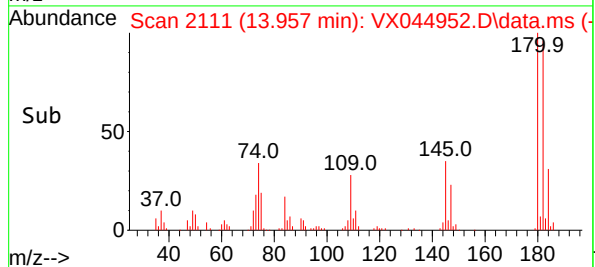
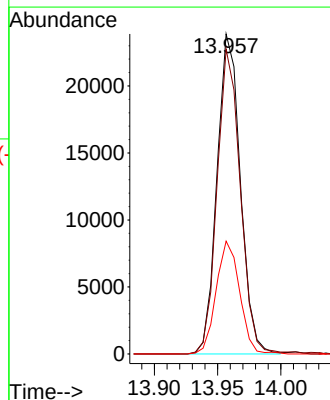
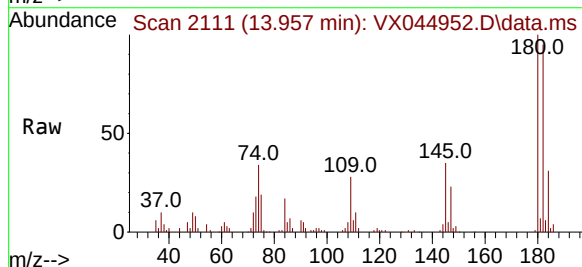
Tgt Ion:180 Resp: 30613

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.6

145 35.5 17.1 51.3



Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044868.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	1,4-Dichlorobenzene	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC020	VX044870.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:03 AM	MMDadoda	2/11/2025 10:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX044871.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:07 AM	MMDadoda	2/11/2025 10:09:36 AM	Peak Integrated by Software
VSTDICC100	VX044872.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:11 AM	MMDadoda	2/11/2025 10:09:40 AM	Peak Integrated by Software
VSTDICC150	VX044873.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:16 AM	MMDadoda	2/11/2025 10:09:49 AM	Peak Integrated by Software
VSTDICV050	VX044875.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:20 AM	MMDadoda	2/11/2025 10:09:53 AM	Peak Integrated by Software
VSTDCCC050	VX044891.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:46 AM	MMDadoda	2/11/2025 10:10:13 AM	Peak Integrated by Software



Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	VX021425	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044948.D	1,2,3-Trichloropropane	JOHN	2/18/2025 9:49:23 AM	MMDadoda	2/19/2025 12:43:52 PM	Peak Integrated by Software
VX0214WBS01	VX044951.D	1,2,3-Trichloropropane	JOHN	2/18/2025 9:49:27 AM	MMDadoda	2/19/2025 12:43:55 PM	Peak Integrated by Software
VX0214WBSD01	VX044952.D	1,2,3-Trichloropropane	JOHN	2/18/2025 9:49:31 AM	MMDadoda	2/19/2025 12:44:00 PM	Peak Integrated by Software
Q1352-02	VX044960.D	2-Butanone	JOHN	2/18/2025 9:49:53 AM	MMDadoda	2/19/2025 12:44:21 PM	Peak Integrated by Software
VSTDCCC050	VX044974.D	1,2,3-Trichloropropane	JOHN	2/18/2025 9:50:16 AM	MMDadoda	2/19/2025 12:44:34 PM	Peak Integrated by Software
VSTDCCC050	VX044974.D	Chloroethane	JOHN	2/18/2025 9:50:16 AM	MMDadoda	2/19/2025 12:44:34 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132955		
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965		
CCC	VP132956		
Internal Standard/PEM			
ICV/I.BLK	VP132966		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDICC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDICC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDICC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDICCC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDICC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDICC150	VX044873.D	10 Feb 2025 12:28	JC/MD	Ok,M
8	IBLK	VX044874.D	10 Feb 2025 12:51	JC/MD	Ok
9	VSTDICV050	VX044875.D	10 Feb 2025 13:15	JC/MD	Ok,M
10	VX0210MBL01	VX044876.D	10 Feb 2025 13:43	JC/MD	Ok
11	VX0210WBL01	VX044877.D	10 Feb 2025 14:06	JC/MD	Ok
12	VX0210WBS01	VX044878.D	10 Feb 2025 14:29	JC/MD	Ok,M
13	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55	JC/MD	Ok,M
14	Q1250-02	VX044880.D	10 Feb 2025 15:18	JC/MD	Ok
15	Q1250-01	VX044881.D	10 Feb 2025 15:41	JC/MD	Ok
16	Q1250-03	VX044882.D	10 Feb 2025 16:04	JC/MD	Ok
17	Q1250-04	VX044883.D	10 Feb 2025 16:27	JC/MD	Ok
18	Q1250-05	VX044884.D	10 Feb 2025 16:51	JC/MD	Ok
19	Q1250-10	VX044885.D	10 Feb 2025 17:14	JC/MD	Ok
20	Q1250-11	VX044886.D	10 Feb 2025 17:37	JC/MD	Ok
21	Q1250-12	VX044887.D	10 Feb 2025 18:00	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132955		
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965		
CCC	VP132956		
Internal Standard/PEM			
ICV/I.BLK	VP132966		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1250-06	VX044888.D	10 Feb 2025 18:23	JC/MD	Ok
23	Q1250-07MS	VX044889.D	10 Feb 2025 18:46	JC/MD	Ok,M
24	Q1250-08MSD	VX044890.D	10 Feb 2025 19:09	JC/MD	Ok,M
25	VSTDCCC050	VX044891.D	10 Feb 2025 19:32	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX021425

Review By	John Carlone	Review On	2/18/2025 10:12:29 AM
Supervise By	Maresh Dadoda	Supervise On	2/21/2025 1:42:38 AM
SubDirectory	VX021425	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133040		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133041,VP133042,VP133049,VP133050,VP133051,VP133052		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044947.D	14 Feb 2025 09:35	JC/MD	Ok
2	VSTDCCC050	VX044948.D	14 Feb 2025 10:04	JC/MD	Ok,M
3	VX0214MBL01	VX044949.D	14 Feb 2025 10:28	JC/MD	Ok
4	VX0214WBL01	VX044950.D	14 Feb 2025 10:51	JC/MD	Ok
5	VX0214WBS01	VX044951.D	14 Feb 2025 11:14	JC/MD	Ok,M
6	VX0214WBSD01	VX044952.D	14 Feb 2025 11:40	JC/MD	Ok,M
7	IBLK	VX044953.D	14 Feb 2025 12:02	JC/MD	Ok
8	Q1347-01	VX044954.D	14 Feb 2025 12:26	JC/MD	Not Ok
9	Q1168-09 0.2PPB	VX044955.D	14 Feb 2025 12:48	JC/MD	Ok,M
10	Q1168-09 0.5PPB	VX044956.D	14 Feb 2025 13:11	JC/MD	Ok,M
11	Q1168-09 0.75PPB	VX044957.D	14 Feb 2025 13:34	JC/MD	Ok,M
12	Q1168-09 2.5PPB	VX044958.D	14 Feb 2025 13:57	JC/MD	Ok,M
13	PB166701TB	VX044959.D	14 Feb 2025 14:20	JC/MD	Ok
14	Q1352-02	VX044960.D	14 Feb 2025 14:43	JC/MD	Ok,M
15	Q1353-02	VX044961.D	14 Feb 2025 15:06	JC/MD	Ok
16	Q1356-11	VX044962.D	14 Feb 2025 15:29	JC/MD	Ok
17	Q1356-02	VX044963.D	14 Feb 2025 15:52	JC/MD	Ok
18	Q1363-01	VX044964.D	14 Feb 2025 16:15	JC/MD	Ok
19	Q1363-02	VX044965.D	14 Feb 2025 16:38	JC/MD	ReRun
20	Q1363-03	VX044966.D	14 Feb 2025 17:01	JC/MD	Ok
21	Q1363-07	VX044967.D	14 Feb 2025 17:25	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX021425

Review By	John Carlone	Review On	2/18/2025 10:12:29 AM
Supervise By	Mahesh Dadoda	Supervise On	2/21/2025 1:42:38 AM
SubDirectory	VX021425	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133040		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133041,VP133042,VP133049,VP133050,VP133051,VP133052		

22	Q1363-08	VX044968.D	14 Feb 2025 17:48	JC/MD	Ok
23	Q1363-09	VX044969.D	14 Feb 2025 18:11	JC/MD	Ok
24	Q1363-10	VX044970.D	14 Feb 2025 18:34	JC/MD	Ok
25	Q1363-04	VX044971.D	14 Feb 2025 18:57	JC/MD	Ok
26	Q1363-05MS	VX044972.D	14 Feb 2025 19:20	JC/MD	Ok,M
27	Q1363-06MSD	VX044973.D	14 Feb 2025 19:43	JC/MD	Ok,M
28	VSTDCCC050	VX044974.D	14 Feb 2025 20:06	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044873.D	10 Feb 2025 12:28		JC/MD	Ok,M
8	IBLK	IBLK	VX044874.D	10 Feb 2025 12:51		JC/MD	Ok
9	VSTDICV050	ICVVX021025	VX044875.D	10 Feb 2025 13:15		JC/MD	Ok,M
10	VX0210MBL01	VX0210MBL01	VX044876.D	10 Feb 2025 13:43		JC/MD	Ok
11	VX0210WBL01	VX0210WBL01	VX044877.D	10 Feb 2025 14:06		JC/MD	Ok
12	VX0210WBS01	VX0210WBS01	VX044878.D	10 Feb 2025 14:29		JC/MD	Ok,M
13	VX0210WBSD01	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55		JC/MD	Ok,M
14	Q1250-02	BP-VPB-192-GW-420-4	VX044880.D	10 Feb 2025 15:18	vial B pH<2	JC/MD	Ok
15	Q1250-01	BP-VPB-192-TB-20250	VX044881.D	10 Feb 2025 15:41	vial B pH<2 TB	JC/MD	Ok
16	Q1250-03	BP-VPB-192-GW-300-3	VX044882.D	10 Feb 2025 16:04	vial B pH<2	JC/MD	Ok
17	Q1250-04	BP-VPB-192-GW-320-3	VX044883.D	10 Feb 2025 16:27	vial B pH<2	JC/MD	Ok
18	Q1250-05	BP-VPB-192-GW-340-3	VX044884.D	10 Feb 2025 16:51	vial B pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132955		
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965		
CCC	VP132956		
Internal Standard/PEM			
ICV/I.BLK	VP132966		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1250-10	BP-VPB-192-GW-380-3	VX044885.D	10 Feb 2025 17:14	vial B pH<2	JC/MD	Ok
20	Q1250-11	BP-VPB-192-GW-400-4	VX044886.D	10 Feb 2025 17:37	vial B pH<2	JC/MD	Ok
21	Q1250-12	BP-VPB-192-GW-440-4	VX044887.D	10 Feb 2025 18:00	vial B pH<2	JC/MD	Ok
22	Q1250-06	BP-VPB-192-GW-360-3	VX044888.D	10 Feb 2025 18:23	vial B pH<2	JC/MD	Ok
23	Q1250-07MS	BP-VPB-192-GW-360-3	VX044889.D	10 Feb 2025 18:46	vial B pH<2	JC/MD	Ok,M
24	Q1250-08MSD	BP-VPB-192-GW-360-3	VX044890.D	10 Feb 2025 19:09	vial B pH<2	JC/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VX044891.D	10 Feb 2025 19:32		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX021425

Review By	John Carlone	Review On	2/18/2025 10:12:29 AM
Supervise By	Mahesh Dadoda	Supervise On	2/21/2025 1:42:38 AM
SubDirectory	VX021425	HP Acquire Method	HP Processing Method 82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133040
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133041,VP133042,VP133049,VP133050,VP133051,VP133052

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044947.D	14 Feb 2025 09:35		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044948.D	14 Feb 2025 10:04	V13516	JC/MD	Ok,M
3	VX0214MBL01	VX0214MBL01	VX044949.D	14 Feb 2025 10:28		JC/MD	Ok
4	VX0214WBL01	VX0214WBL01	VX044950.D	14 Feb 2025 10:51		JC/MD	Ok
5	VX0214WBS01	VX0214WBS01	VX044951.D	14 Feb 2025 11:14		JC/MD	Ok,M
6	VX0214WBSD01	VX0214WBSD01	VX044952.D	14 Feb 2025 11:40		JC/MD	Ok,M
7	IBLK	IBLK	VX044953.D	14 Feb 2025 12:02		JC/MD	Ok
8	Q1347-01	BP-VPB-192-EB-20250	VX044954.D	14 Feb 2025 12:26	vial B EB;Hit Confirmed	JC/MD	Not Ok
9	Q1168-09 0.2PPB	MDL-WATER-03-QT1-2	VX044955.D	14 Feb 2025 12:48		JC/MD	Ok,M
10	Q1168-09 0.5PPB	MDL-WATER-03-QT1-2	VX044956.D	14 Feb 2025 13:11		JC/MD	Ok,M
11	Q1168-09 0.75PPB	MDL-WATER-03-QT1-2	VX044957.D	14 Feb 2025 13:34		JC/MD	Ok,M
12	Q1168-09 2.5PPB	MDL-WATER-03-QT1-2	VX044958.D	14 Feb 2025 13:57		JC/MD	Ok,M
13	PB166701TB	PB166701TB	VX044959.D	14 Feb 2025 14:20		JC/MD	Ok
14	Q1352-02	TAP-IDW-SOIL-021025	VX044960.D	14 Feb 2025 14:43	vial A pH#5.0	JC/MD	Ok,M
15	Q1353-02	346	VX044961.D	14 Feb 2025 15:06	vial A pH#5.0	JC/MD	Ok
16	Q1356-11	CARBON-SOLID	VX044962.D	14 Feb 2025 15:29	vial A pH#5.0	JC/MD	Ok
17	Q1356-02	SOIL-PILE	VX044963.D	14 Feb 2025 15:52	vial A pH#5.0	JC/MD	Ok
18	Q1363-01	MW-30D-021125	VX044964.D	14 Feb 2025 16:15	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX021425

Review By	John Carlone	Review On	2/18/2025 10:12:29 AM
Supervise By	Maresh Dadoda	Supervise On	2/21/2025 1:42:38 AM
SubDirectory	VX021425	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133040		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133041,VP133042,VP133049,VP133050,VP133051,VP133052		

19	Q1363-02	EB-01-021125	VX044965.D	14 Feb 2025 16:38	vial A pH<2 EB;Hit of comp.#16	JC/MD	ReRun
20	Q1363-03	TB-01-021125	VX044966.D	14 Feb 2025 17:01	vial A pH<2 TB	JC/MD	Ok
21	Q1363-07	VFCC-2-021225	VX044967.D	14 Feb 2025 17:25	vial A pH<2	JC/MD	Ok
22	Q1363-08	VFCC-3-021225	VX044968.D	14 Feb 2025 17:48	vial A pH<2	JC/MD	Ok
23	Q1363-09	MW-33S-021225	VX044969.D	14 Feb 2025 18:11	vial A pH<2	JC/MD	Ok
24	Q1363-10	MW-33S-FD-021225	VX044970.D	14 Feb 2025 18:34	vial A pH<2	JC/MD	Ok
25	Q1363-04	MW-33D-021225	VX044971.D	14 Feb 2025 18:57	vial A pH<2	JC/MD	Ok
26	Q1363-05MS	MW-33D-021225MS	VX044972.D	14 Feb 2025 19:20	vial A pH<2	JC/MD	Ok,M
27	Q1363-06MSD	MW-33D-021225MSD	VX044973.D	14 Feb 2025 19:43	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX044974.D	14 Feb 2025 20:06	Failed for comp.#06	JC/MD	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15

SDG No : N/A

Welgh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 02/12/2025 Time : 14:00

End Prep Date : 02/13/2025 Time : 07:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A 021425

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standarded 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	WP110801
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	23237	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling. TUMBLER ZHE-1 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
JP 02/12/25 08:30	JP 12CLP Room	S.Y 100C 19b
	Preparation Group	Analysis Group

02/13/25

TCLP EXTRACTION LOGPAGE

PB166701

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	Pre-Pos
PB166701TB	LEB701	05	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-
Q1352-02	TAP-IDW-SOIL-021025	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-
Q1353-02	346	02	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-
Q1356-01	CARBON-SOLID	03	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-
Q1356-02	SOIL-PILE	04	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166701TB	LEB701	N/A	N/A	N/A	N/A	N/A	N/A
Q1352-02	TAP-IDW-SOIL-021025	N/A	N/A	N/A	N/A	100	N/A
Q1353-02	346	N/A	N/A	N/A	N/A	100	N/A
Q1356-01	CARBON-SOLID	N/A	N/A	N/A	N/A	100	N/A
Q1356-02	SOIL-PILE	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q1352

WorkList ID : 187673

Department : TCLP Extraction

Date : 02-12-2025 11:39:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1352-02	TAP-IDW-SOIL-021025	Solid	TCLP ZHE Extraction	Cool 4 deg C	WEST04	N51	02/10/2025	1311 ZHE
Q1353-02	346	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	02/11/2025	1311 ZHE
Q1356-01	CARBON-SOLID	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG04	N51	02/11/2025	1311 ZHE
Q1356-02	SOIL-PILE	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG04	N51	02/11/2025	1311 ZHE

Date/Time 02/12/25 12:30
 Raw Sample Received by: JD WOC
 Raw Sample Relinquished by: RM Sm

Q1352-TCLP VOA

Date/Time 02-12-25 15:00
 Raw Sample Received by: RM Sm
 Raw Sample Relinquished by: JD WOC
 652 of 1369

Prep Standard - Chemical Standard Summary

Order ID : Q1352

Test : TCLP VOA

Prepbatch ID :

Sequence ID/Qc Batch ID: VX021425,

Standard ID :

VP130430,VP131746,VP131767,VP132035,VP132037,VP132038,VP132096,VP132097,VP132099,VP132100,VP132101,VP132103,VP132543,VP132545,VP132613,VP132615,VP132616,VP132679,VP133031,VP133034,VP133036,VP133038,VP133039,VP133040,VP133041,VP133042,VP133049,VP133050,VP133051,VP133052,

Chemical ID :

V12967,V13391,V13446,V13449,V13457,V13460,V13465,V13466,V13582,V13707,V13809,V13919,V14126,V14145,V14154,V14175,V14176,V14179,V14289,V14290,V14425,V14433,V14439,V14521,V14522,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,V14872,V14873,V14874,V14875,V14877,V14878,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
09/26/2024								

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
11/23/2024								

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
11/27/2024								

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/12/2024								

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1812	8260 Working Std(2-CVE)-100ppm	VP132037	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/12/2024

FROM 0.25000ml of V14633 + 24.75000ml of V14614 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1813	8260 Working Std(2-CVE)-50ppm	VP132038	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/12/2024

FROM 20.00000ml of V14614 + 1.25000ml of VP132035 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
253	8260 Working STD (BCM)-First source, 20PPM	VP132097	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/19/2024

FROM 0.50000ml of V13466 + 49.50000ml of V14614 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
254	8260 Working STD (BCM)-First source, 10PPM	VP132099	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/19/2024								

FROM 0.05000ml of V13465 + 9.95000ml of V14614 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
251	8260 Internal STD & Surrogate Mix, 250PPM	VP132100	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/19/2024								

FROM 0.25000ml of V13707 + 0.25000ml of V14290 + 24.50000ml of V14614 = Final Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP132101	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/19/2024								

FROM 0.80000ml of V13582 + 9.20000ml of V14614 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1818	8260 Working Std(2-CVE)-SS, 50ppm	VP132103	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/19/2024								

FROM 4.68750ml of V14614 + 0.31250ml of VP132101 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP132543	01/14/2025	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
01/17/2025								

FROM 0.16000ml of V13449 + 0.80000ml of V13809 + 0.80000ml of V14126 + 0.80000ml of V14179 + 0.80000ml of V14425 + 0.80000ml of V14801 + 1.60000ml of V13919 + 4.24000ml of V14624 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
820	8260 Calibration Working STD Mix-Second source, 10PPM	VP132545	01/14/2025	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
01/17/2025								

FROM 4.68750ml of V14624 + 0.31250ml of VP132543 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
245	8260 Calibration Working STD Mix-First source, 20PPM	VP132615	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 01/29/2025

FROM 17.50000ml of V14624 + 2.50000ml of VP132613 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
246	8260 Calibration Working STD Mix-First source, 10PPM	VP132616	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/29/2025

FROM 9.37500ml of V14624 + 0.62500ml of VP132613 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
825	8260 Working STD (BCM)-Second source, 10PPM	VP132679	01/24/2025	07/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/29/2025

FROM 0.10000ml of V12967 + 9.90000ml of V14624 = Final Quantity: 10.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP133031	02/14/2025	03/12/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 02/17/2025
FROM 0.60000ml of V14878 + 1.00000ml of V14877 + 8.40000ml of V14624 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
826	8260 Working STD (Acrolein)-Second source, 50PPM	VP133034	02/14/2025	03/12/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 02/18/2025
FROM 4.68750ml of V14624 + 0.31250ml of VP133031 = Final Quantity: 5.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
02/18/2025								

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
180	8260 Working STD (Acrolein)-First source, 100PPM	VP133038	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
02/18/2025								

FROM 17.50000ml of V14624 + 2.50000ml of VP133036 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
181	8260 Working STD (Acrolein)-First source, 50PPM	VP133039	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
02/18/2025								

FROM 9.37500ml of V14624 + 0.62500ml of VP133036 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP133040	02/14/2025	02/15/2025	John Carlone	None	None	Semsettin Yesilyurt
02/17/2025								

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP133041	02/14/2025	02/15/2025	John Carlone	None	None	Semsettin Yesilyurt
FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = Final Quantity: 40.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP133042	02/14/2025	02/15/2025	John Carlone	None	None	Semsettin Yesilyurt
FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = Final Quantity: 40.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2390	0.2PPB LOD, 8260-Water	VP133049	02/14/2025	02/15/2025	John Carlone	None	None	Semsettin Yesilyurt
								02/17/2025

FROM 39.98840ml of W3112 + 0.00080ml of VP132103 + 0.00080ml of VP132545 + 0.00080ml of VP132679 + 0.00080ml of VP133034 + 0.00800ml of VP132100 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2947	0.5 ppb MDL 8260 Water	VP133050	02/14/2025	02/15/2025	John Carlone	None	None	Semsettin Yesilyurt
								02/17/2025

FROM 39.98000ml of W3112 + 0.00100ml of VP132037 + 0.00100ml of VP132097 + 0.00100ml of VP132615 + 0.00100ml of VP133038 + 0.00500ml of VP130430 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3585	0.75 PPB MDL 8260 WATER	VP133051	02/14/2025	02/15/2025	John Carlone	None	None	Semsettin Yesilyurt
02/17/2025								

FROM 39.97000ml of W3112 + 0.00300ml of VP132038 + 0.00300ml of VP132099 + 0.00300ml of VP132616 + 0.00300ml of VP133039 + 0.00500ml of VP130430 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3786	2.5 PPB 8260 MDL-WATER	VP133052	02/14/2025	02/15/2025	John Carlone	None	None	Semsettin Yesilyurt
02/17/2025								

FROM 39.92000ml of W3112 + 0.00800ml of VP132100 + 0.01000ml of VP132038 + 0.01000ml of VP132099 + 0.01000ml of VP132616 + 0.01000ml of VP133039 = Final Quantity: 40.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	070122	07/24/2025	01/24/2025 / SAM	07/06/2022 / SAM	V12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	01/10/2025 / SAM	01/23/2023 / SAM	V13446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0191703	06/02/2025	12/02/2024 / SAM	01/23/2023 / SAM	V13449

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	12/12/2024 / SAM	01/30/2023 / SAM	V13582

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	10/31/2029	01/07/2025 / SAM	05/31/2023 / SAM	V13809

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	07/10/2025	01/10/2025 / SAM	07/24/2023 / SAM	V13919

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	011624	07/10/2025	01/10/2025 / SAM	01/17/2024 / SAM	V14126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021524	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14179

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0205013	06/30/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14425

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021225	03/12/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021225	03/12/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

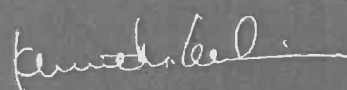
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

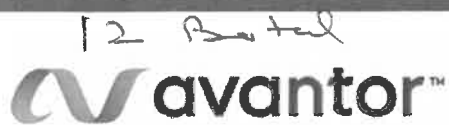
For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



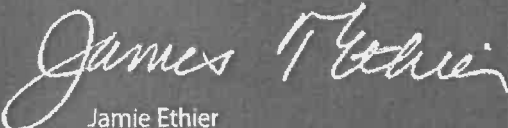
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (µeq/g)	≤ 0.3	0.2
Titration Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Solvent(s): Methanol
Lot#: EH471-US

Formulated By: Prashant Chauhan DATE: 011624	Reviewed By: Pedro L. Rentas DATE: 011624
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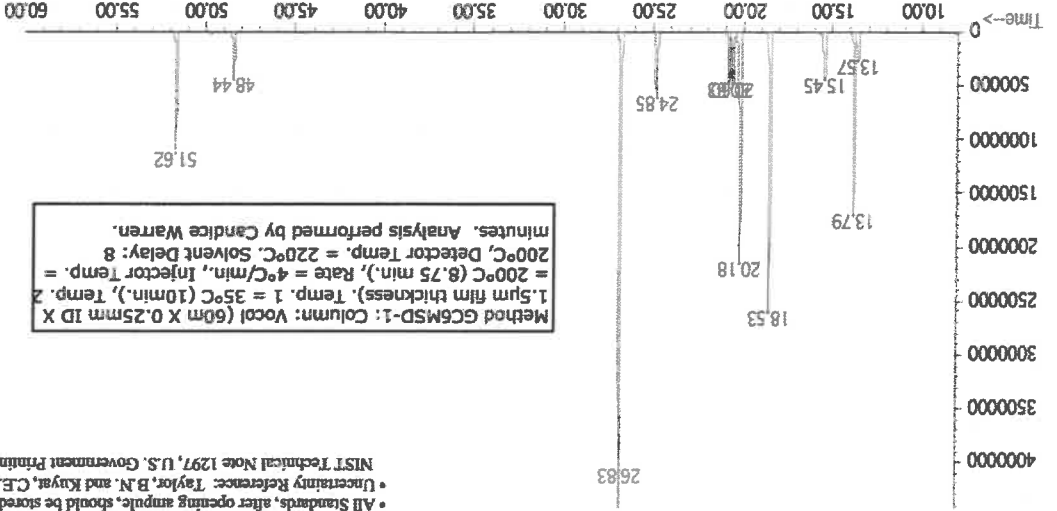
SDS Information

Expanded Uncertainty
Actual Conc (µg/mL) (+/-) (µg/mL)
CAS#
OSHA PEL (TWA)
LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	or-tat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	or-tat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	N/A	or-tat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8h)	or-tat 8470mg/kg
5. 1,4-Dioxane	373	03953KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8h)(skdn)	or-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8h)(skdn)	or-gp 4870mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	or-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	or-tat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	or-tat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8h)	or-tat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	481	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	or-tat 6408mg/kg

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

TC: 95319.D



Method GC6MSD-1: Column: Vocot (60m X 0.25mm ID X 1.5µm film thickness), Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Inject Temp. = 200°C, Detector Temp. = 220°C, Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

MSD RT (min.)	Name
13.56	Methyl tert-butyl ether (MTBE)
13.79	Acrylonitrile
15.44	Di-isopropyl ether
18.53	Propionitrile
20.17	Tetrahydrofuran
20.58	Cyclohexane
20.83	1-Chlorobutane
24.84	Methylcyclohexane
26.84	1,4-Dioxane
48.44	Hexachloroethane
51.62	1,2,3,4-Tetramethylbenzene



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021225
Description: Acrolein

Solvent(s): Lot#
Water 072324Q

2 vial
Del 02 114125
114877-78

<i>Prashant Chauhan</i>		021225
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		021225
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 031225
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

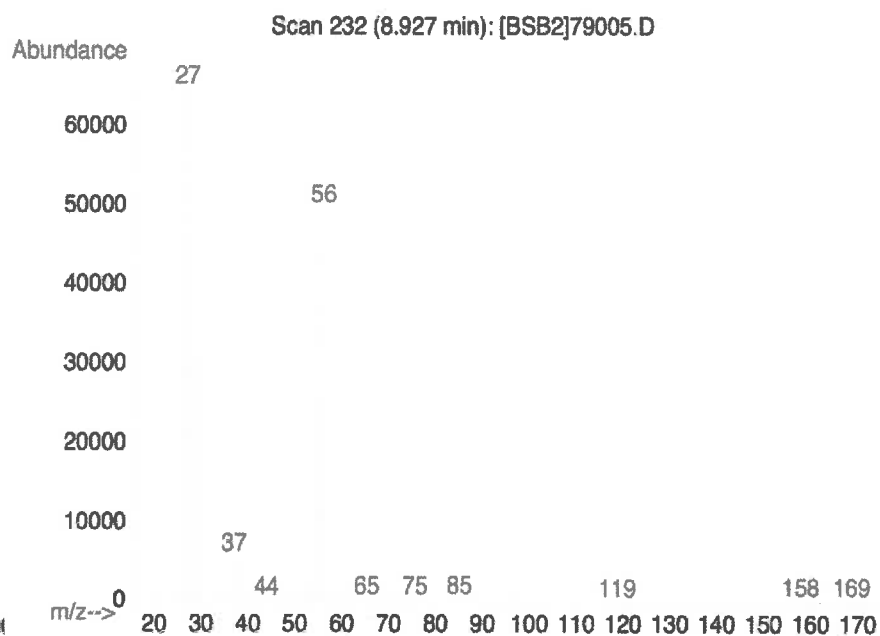
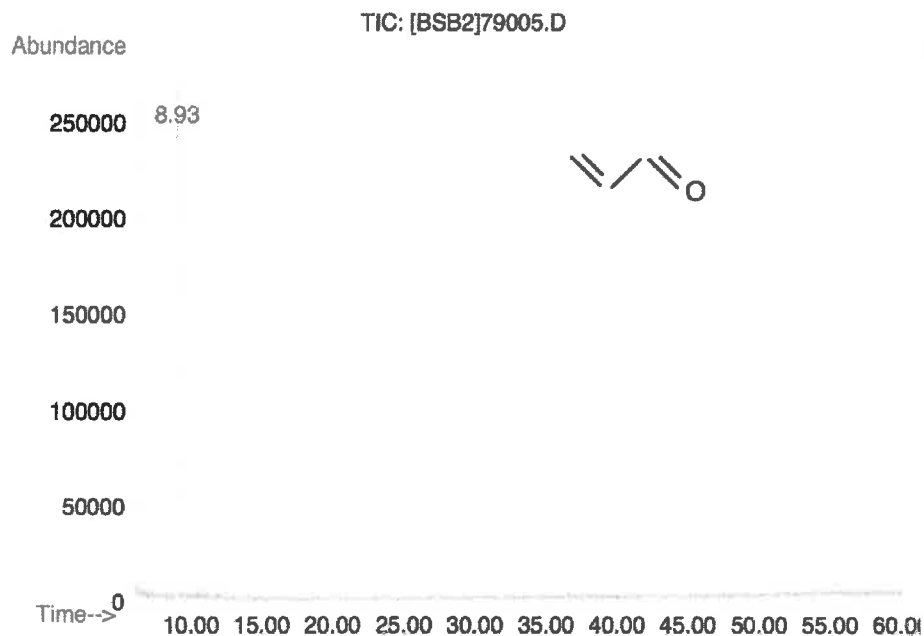
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)
Uncertainty (Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **021225**
Description: **Acrolein**

Solvent(s): **Water**
Lot#: **072324Q**

2 vial
Del 02 114125
114877-78

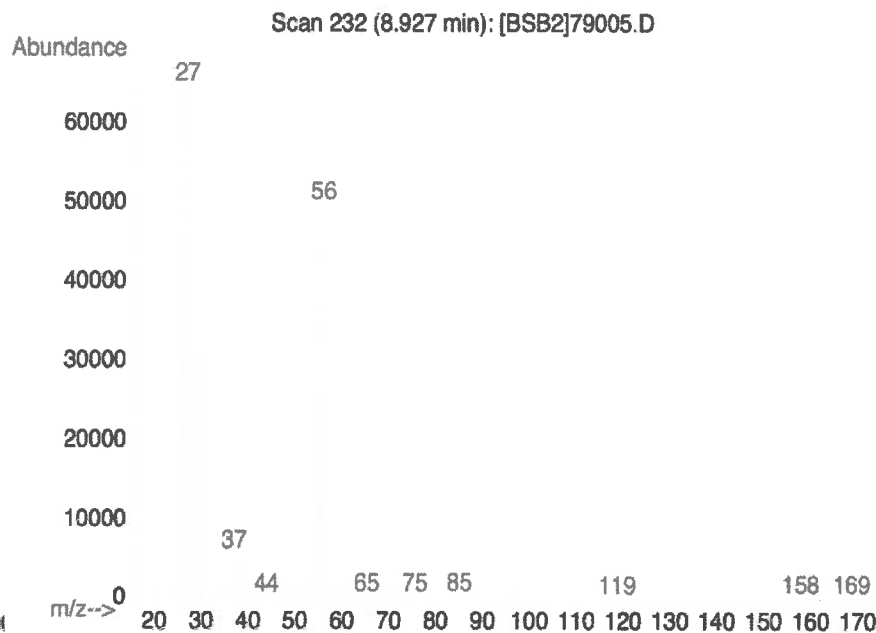
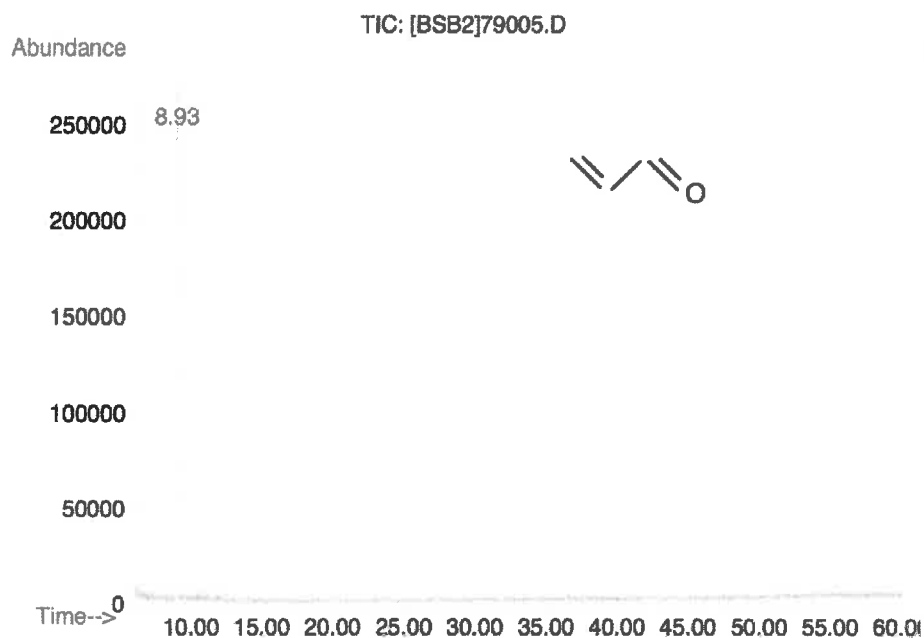
<i>Prashant Chauhan</i>		021225
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		021225
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **031225**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **10.0**
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.05166	0.05180	5013.7	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

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Dec 02/14/25



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Solvent(s):
Water

Lot#
072324Q

✓ 14872 to
✓ 14876

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

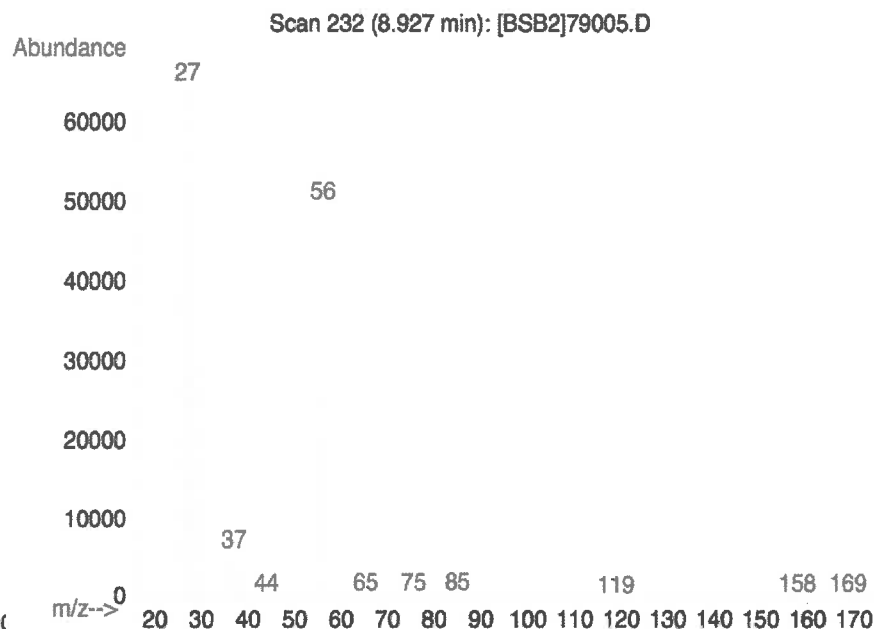
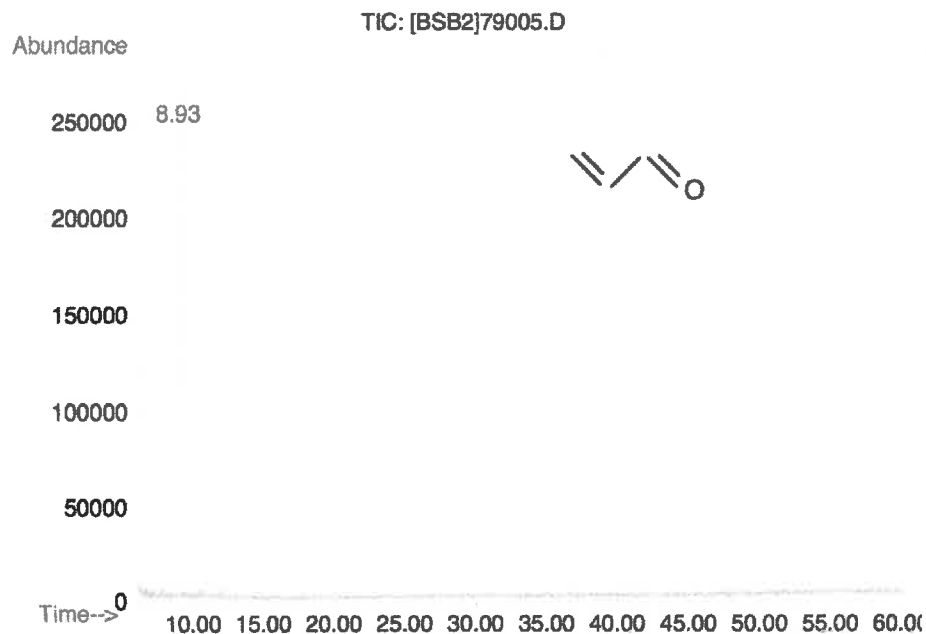
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Expanded
SDS information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA
Hazardous decomposition products -	No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA
Causes skin irritation.	
Eye irritation	

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

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ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: AcroleinSolvent(s):
Water Lot# 072324QDec 02/14/25
✓ 14872 to
✓ 14876

021325	
Formulated By: Anthony Mahoney	DATE
021325	
Reviewed By: Pedro L. Rentas	DATE

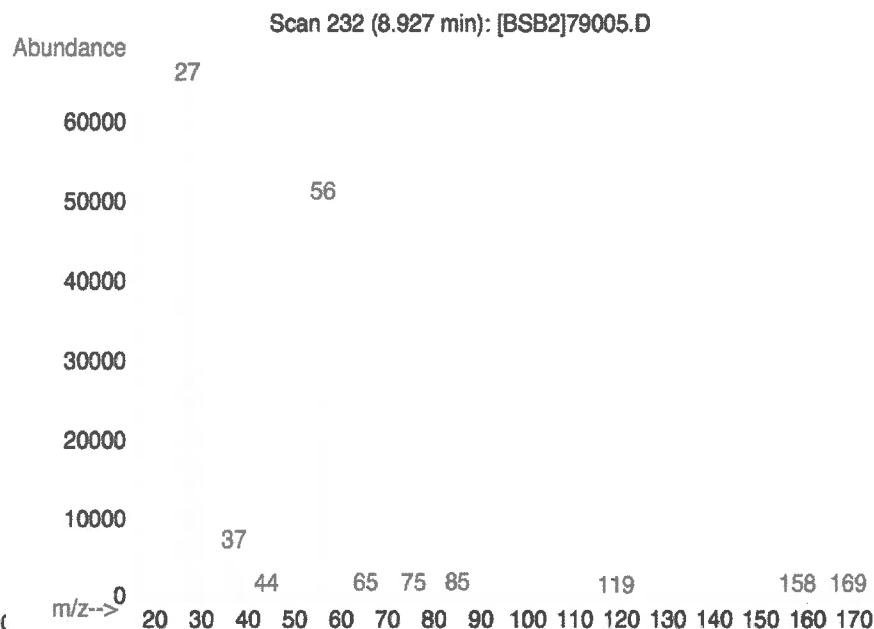
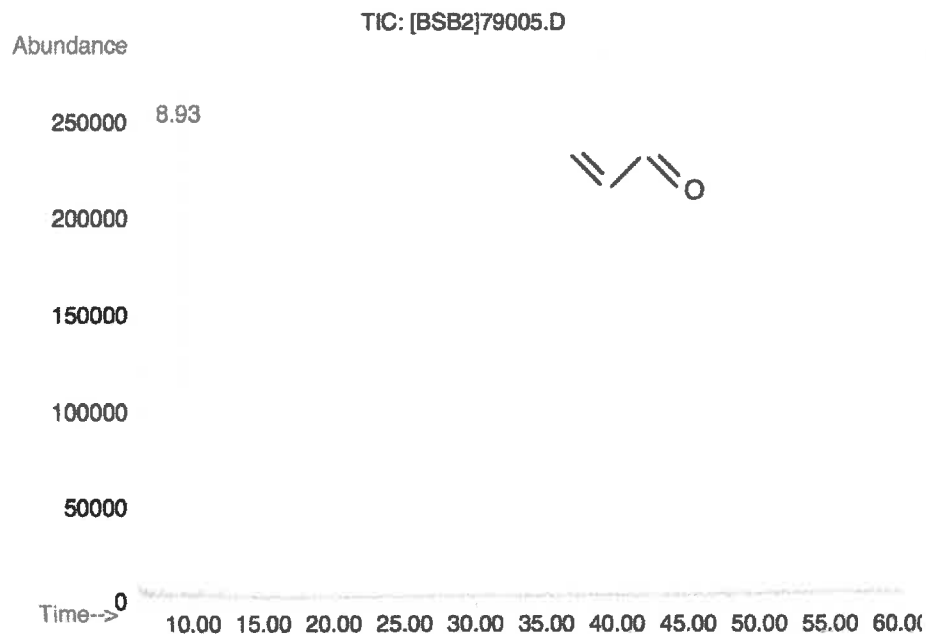
Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Expanded
SDS information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021524**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: BUTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

		021524
Formulated By:	Mario Luis	DATE
		021524
Reviewed By:	Pedro L. Rentes	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

														SDS Information		
														(Solvent Safety Info. On Attached pg.)		
Compound	(RM#)	Lot	Dr.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	CAS#	OSHA PEL (TWA)	LD50
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)			
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20022	2001.5	8.1	75-05-8	40 ppm (70mg/m3/8h)	or-rat 2450mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102398	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20222	2001.5	8.2	107-05-1	1 ppm (3mg/m3/8h)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21080	2000.2	8.5	1478-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP8041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20734	2000.3	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	JK18CASA000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	8.2	97-83-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0469)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20118	2001.2	8.1	74-88-4	5 ppm (28mg/m3/8h) (skin)	or-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8h)	or-rat 9450mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20209	2000.2	8.2	128-96-7	1 ppm (3mg/m3/8h) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	98-33-3	10 ppm (35mg/m3/8h) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20030	2000.5	8.1	80-62-6	100 ppm (410mg/m3/8h)	or-rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	98-95-3	1 ppm (5mg/m3/8h) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20670	2001.0	8.3	79-46-9	10 ppm (35mg/m3/8h)	or-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20415	2000.2	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20210	2000.3	8.2	78-13-1	1000 ppm (7600mg/m3/8h)	or-rat 43mg/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-60-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 800mg/kg
22. 1,1-Dichloroethane	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-34-4	1 ppm (4mg/m3/8h)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.8mg/m3/8h)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-05-3	N/A	or-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	020724	0.10	10.00	20003.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8h) (final)	or-rat 262mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8h)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-9	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromooethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8h)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8h)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8h)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	ure-mus 3600mg/kg
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8h)	or-rat 62mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8h) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8h) (skin)	or-rat 836mg/kg
43. Trichloroethane	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-8	50 ppm (270mg/m3/8h)	or-mus 2400mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8h)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-1	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8h)	or-rat 2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-8	N/A	or-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8h)	or-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1300mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	95-63-6	N/A	or-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	or-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8h)	or-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8h)	or-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8h)	or-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	105-43-4	N/A	

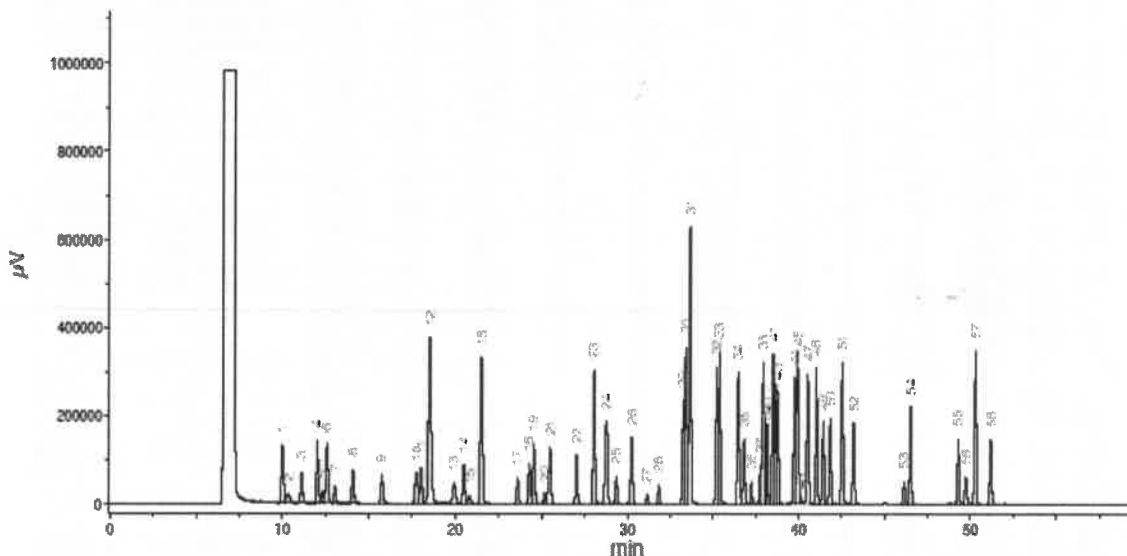


Run 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocool 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.34
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	22.58
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,2-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.18
28	1,2-Dibromopropane	31.84
29	Chlorobenzene	33.39
30	Ethylbenzene/1,1,1,2-tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	33.72
33	Styrene	33.99
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.32
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.10
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Formulated By: <i>Prashant Chauhan</i>		021624
		DATE
Reviewed By: <i>Pedro L. Rentes</i>		021624
		DATE

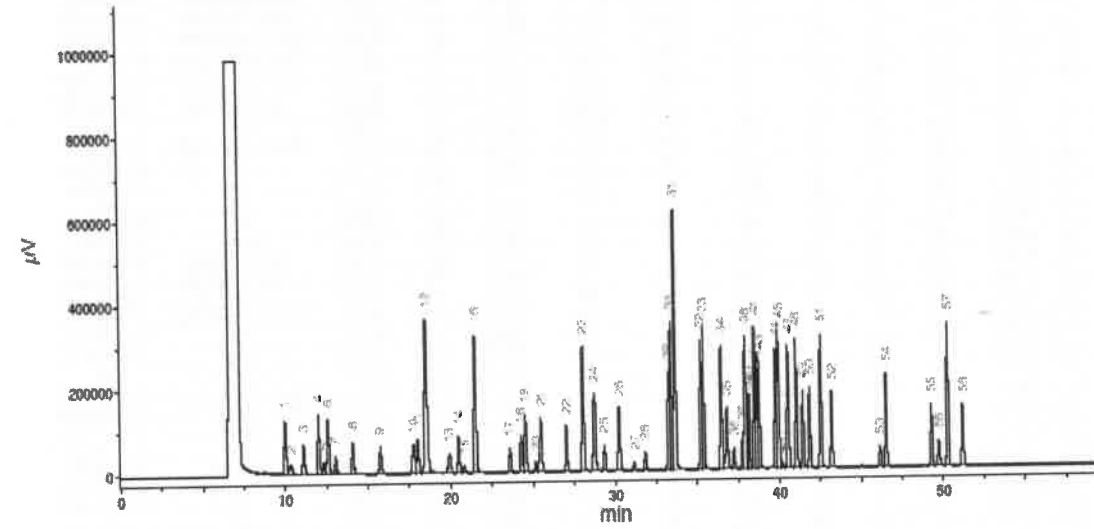
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 7000mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	6.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A
8. Iodomethane	(0489)	5HBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 14800mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 70mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg
14. 2-Nitropropane	(0461)	14002JK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.8	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.6	22.9	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	N/A	or-rat 108mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	100 ppm	or-rat 725mg/kg
29. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	1999.8	20.4	584-20-7	N/A	N/A
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	107-06-2	50 ppm (8H)	or-rat 870mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	67-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 636mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-rat 2400mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 4900mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-67-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1063mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA					

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Helopropene	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropene	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

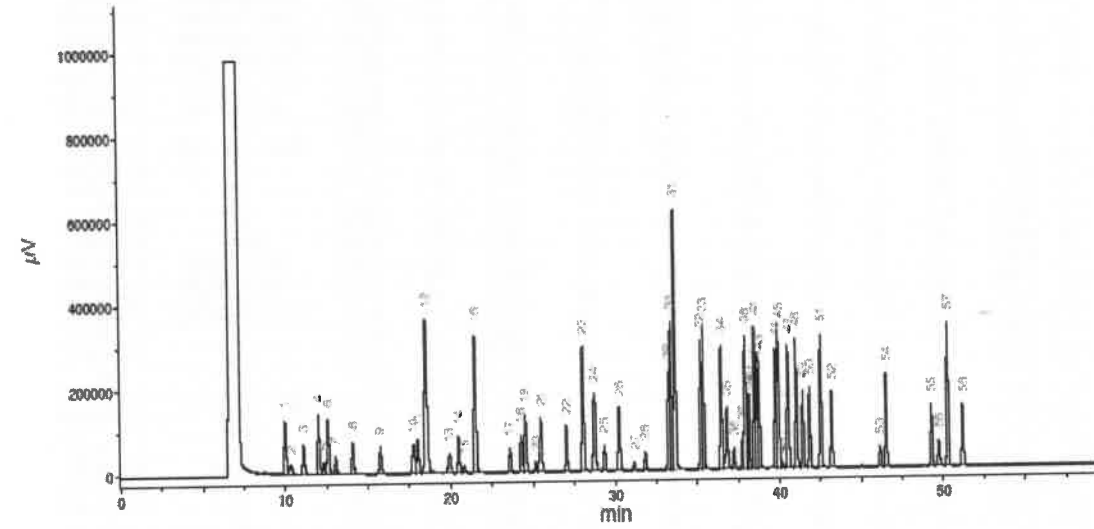
Formulated By:	<i>Prashant Chauhan</i>	021624
Reviewed By:	<i>Pedro L. Rentes</i>	021624

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information			
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	Uncertainty (±) (µg/mL)	CAS#	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg	
Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg	
Carbon disulfide	(0060)	MKCR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg	
cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A	
trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A	
Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A	
Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	N/A	
Iodomethane	(0489)	5HBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 70mg/kg	
2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg	
Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg	
Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg	
Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg	
Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg	
2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg	
Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A	
1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg	
Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 910mg/kg	
Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg	
cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A	
trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	N/A	
Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg	
1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg	
Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg	
Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg	
Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg	
Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/kg	
1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg	
2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A	
Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg	
1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg	
1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg	
1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg	
1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg	
1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg	
1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg	
1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	N/A	N/A	
cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A	
trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A	
Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg	
1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg	
1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg	
1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 636mg/kg	
2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-rat 2400mg/kg	
Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg	
Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	1 ppm	or-rat 4694mg/kg	
n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-88-1	N/A	or-rat 2699mg/kg	
Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A	
Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg	
Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg	
Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg	
Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-88-3	200 ppm	or-rat 5000mg/kg	
2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg	
2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg	
3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	95-63-6	N/A	or-rat 5g/kg	
Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	N/A	or-rat 5000mg/kg	
tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	N/A	
Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-49-8	75 ppm (350mg/m3/8H)	or-rat 2240mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg	
2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg	
3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg	
4-Dichlor																	

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Isopropylchloromethane	25.13
21	Dibromomethane/2-Hexopropane	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromochlorine	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-Butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: AcroleinSolvent(s): Water
Lot#: 072324Q

Formulated By:	Justin Dippold
DATE: 091424	
Reviewed By:	Pedro L. Rentas
DATE: 091424	

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: AcroleinSolvent(s): Water
Lot#: 072324Q

Formulated By:	Justin Dippold
DATE: 091424	
Reviewed By:	Pedro L. Rentas
DATE: 091424	

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance

Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00

m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EB679-US

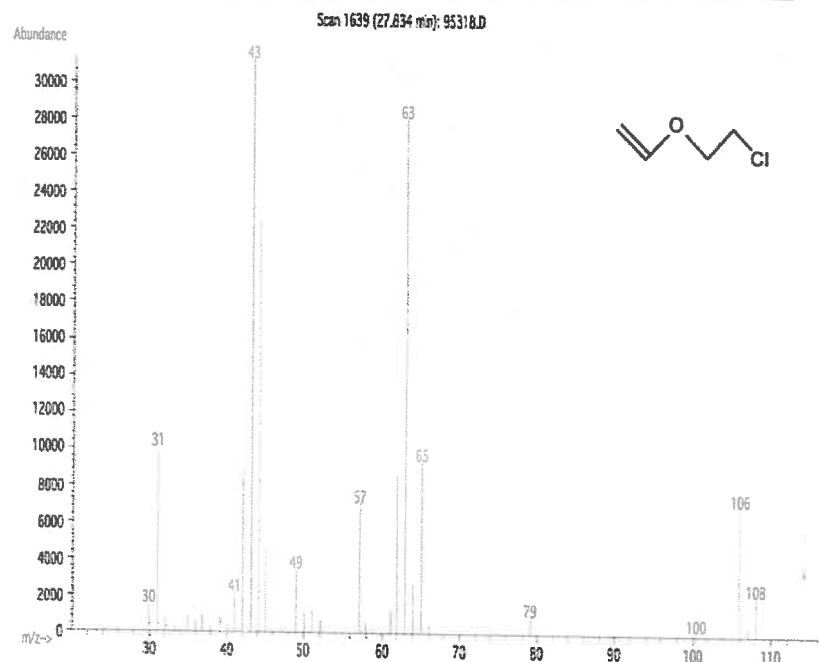
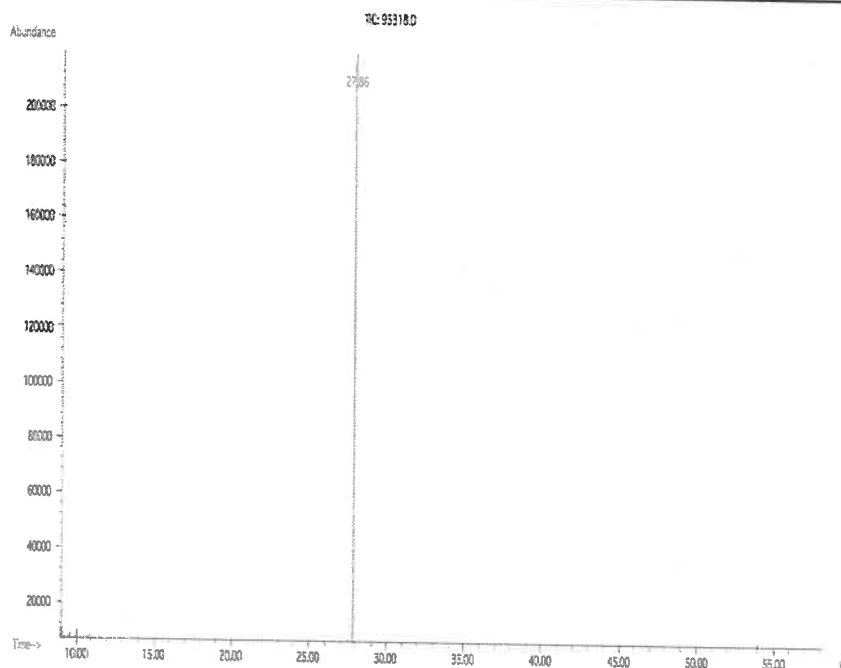
Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Eli Aliaga</i>		111722
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		111722
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

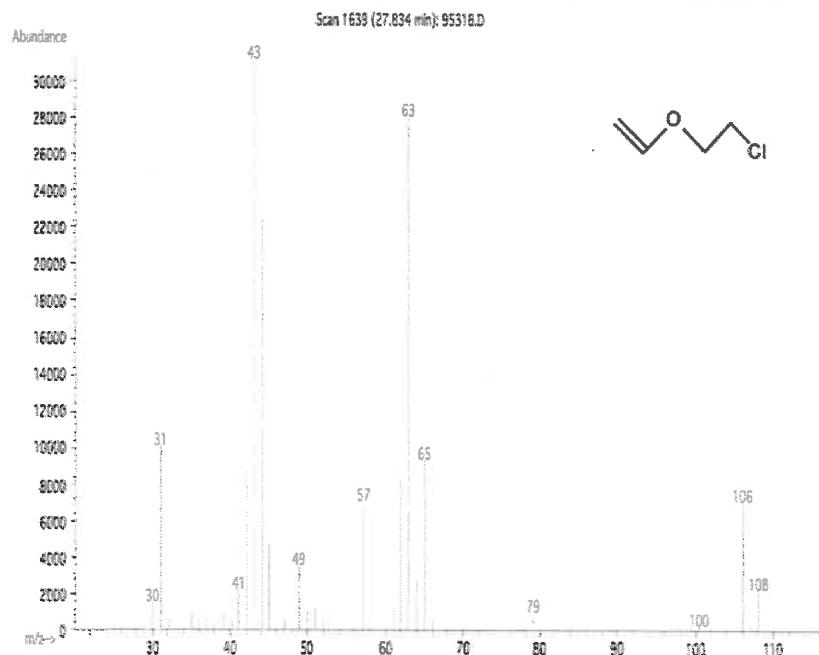
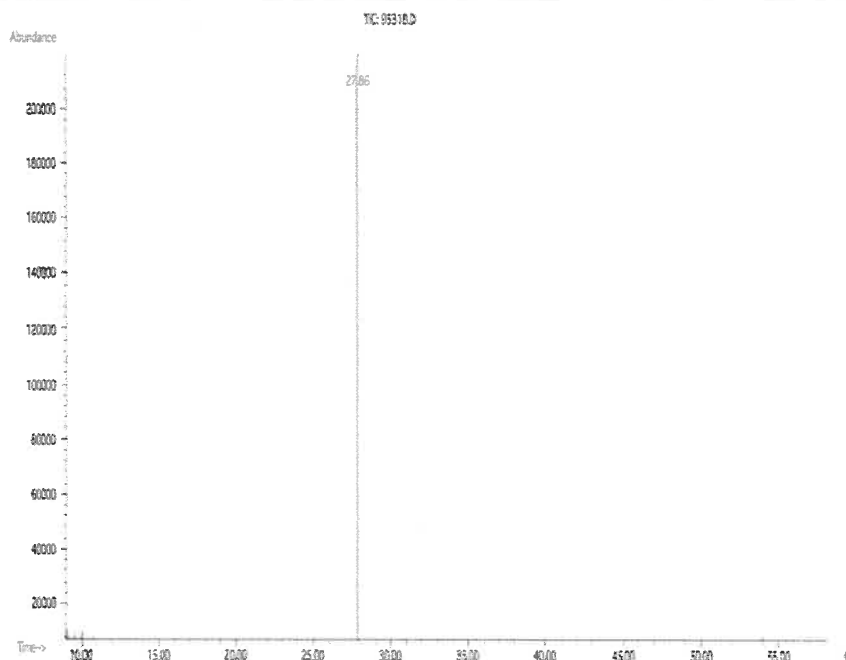
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

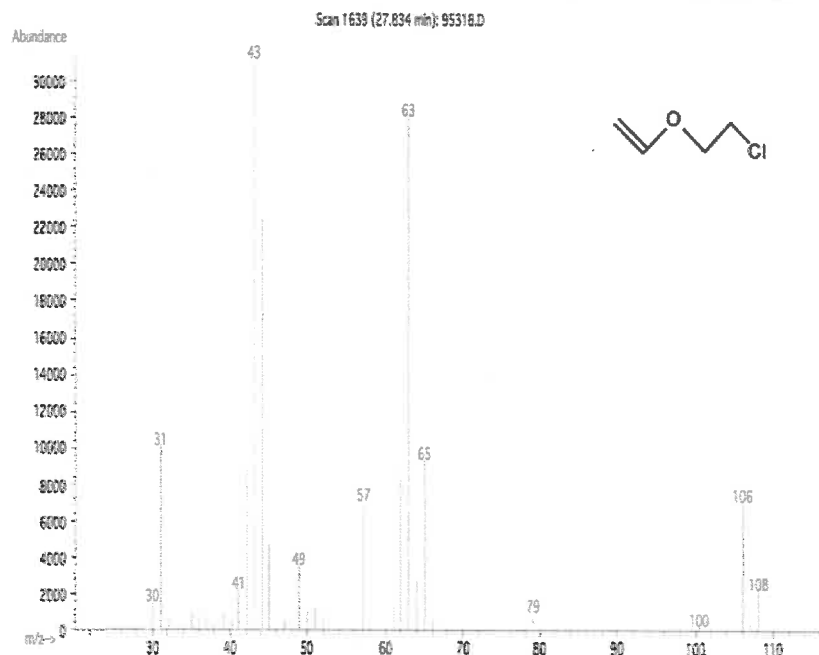
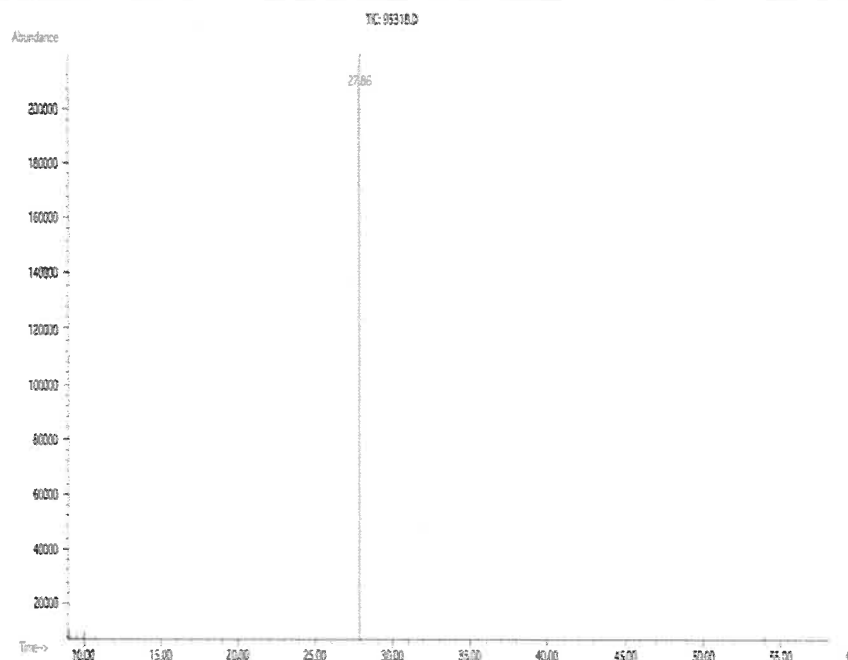
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

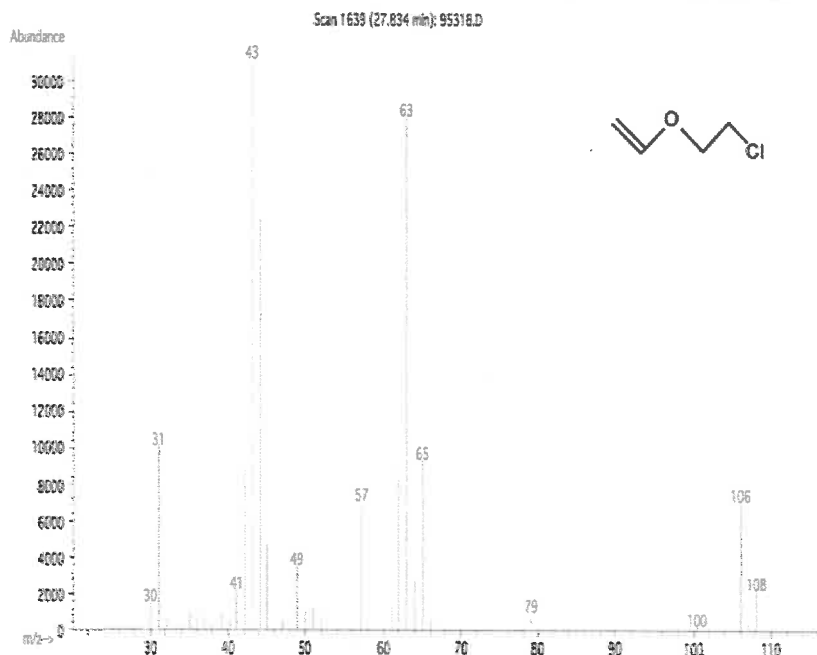
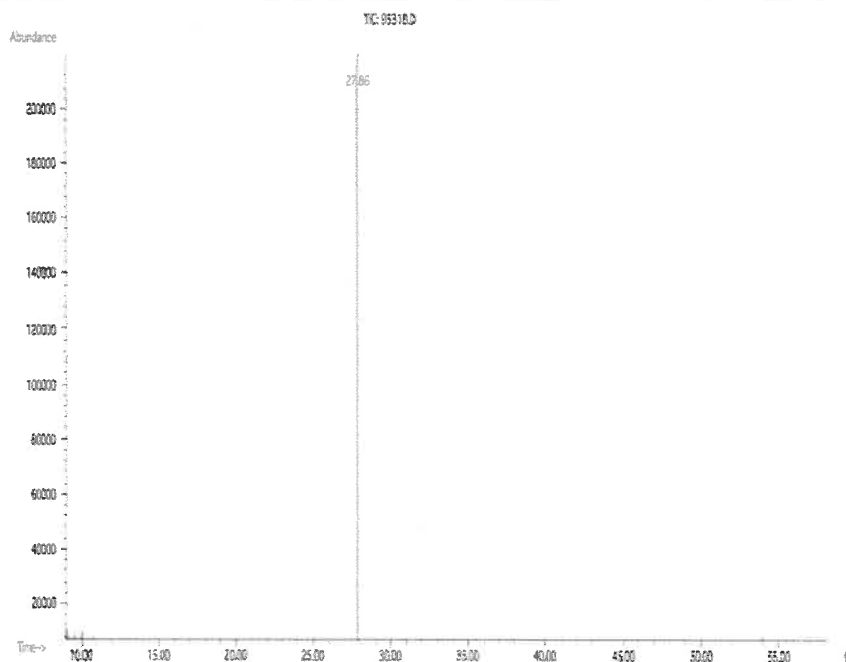
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

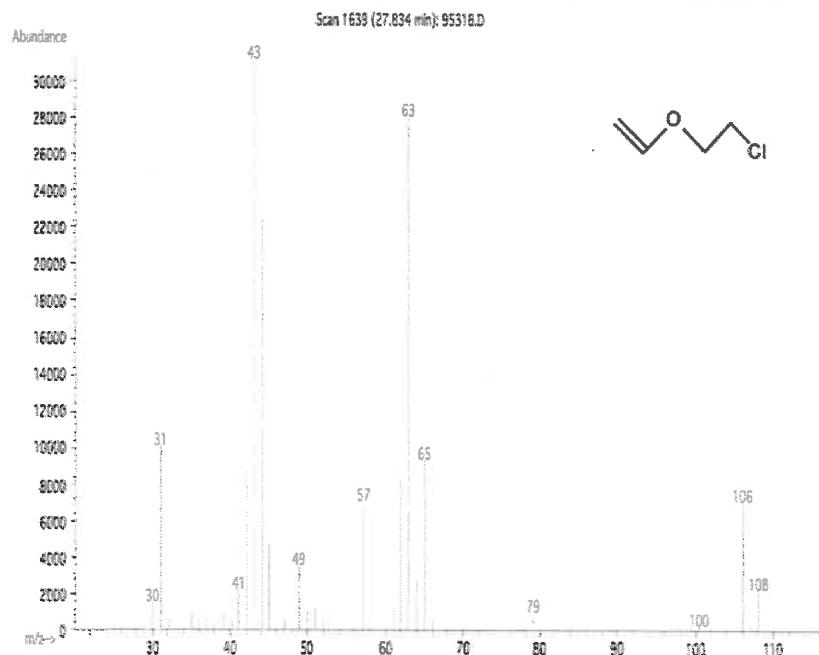
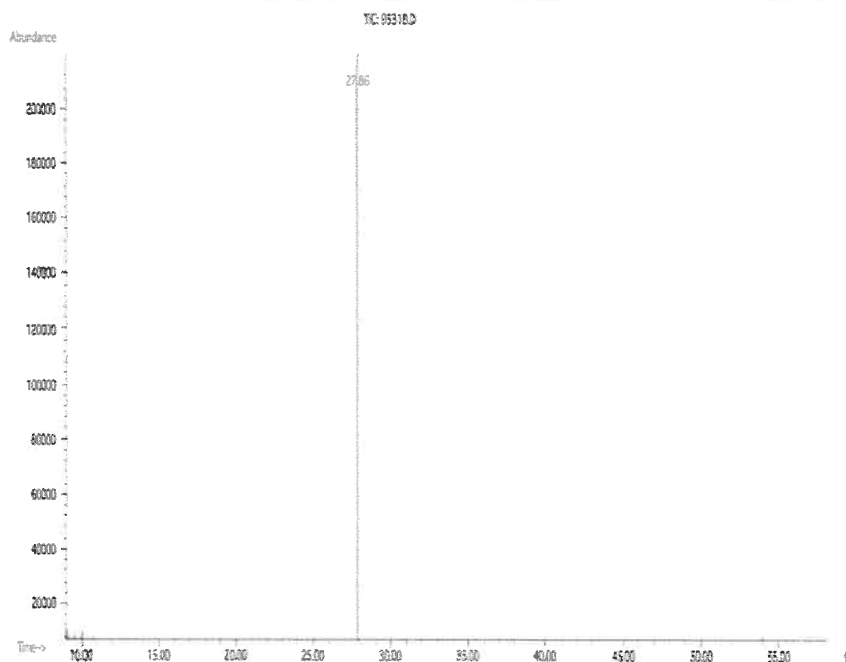
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,
Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
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DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 28, 2025 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)												
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBM7694)	50,126.0 µg/mL	<table><tr><td>+/-</td><td>293.4988</td><td>µg/mL</td><td>Gravimetric</td></tr><tr><td>+/-</td><td>1,073.7654</td><td>µg/mL</td><td>Unstressed</td></tr><tr><td>+/-</td><td>1,104.9494</td><td>µg/mL</td><td>Stressed</td></tr></table>	+/-	293.4988	µg/mL	Gravimetric	+/-	1,073.7654	µg/mL	Unstressed	+/-	1,104.9494	µg/mL	Stressed
+/-	293.4988	µg/mL	Gravimetric												
+/-	1,073.7654	µg/mL	Unstressed												
+/-	1,104.9494	µg/mL	Stressed												

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

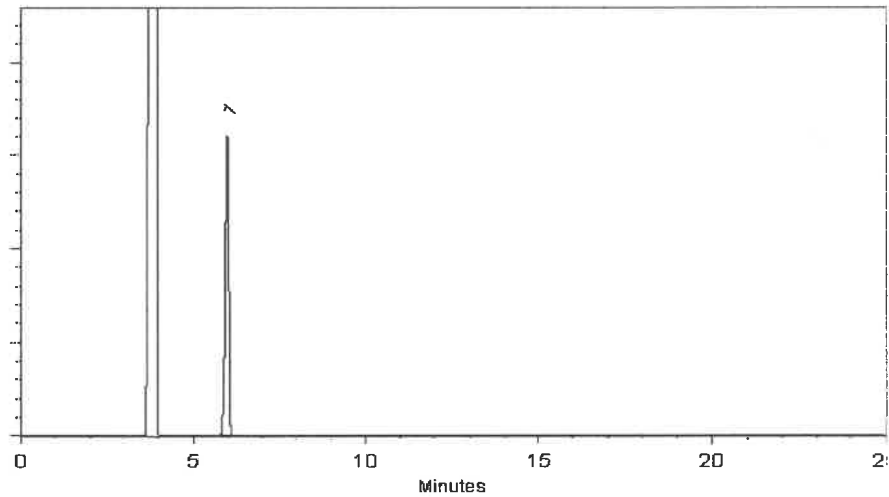
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

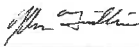
Inj. Temp:
200°C

Det. Temp:
250°C

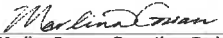
Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311


Marlene Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0191703
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2025 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot 101619K21F-1)	50,122.0 µg/mL	+/- 293.4753 µg/mL Gravimetric +/- 1,073.6797 µg/mL Unstressed +/- 1,104.8612 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

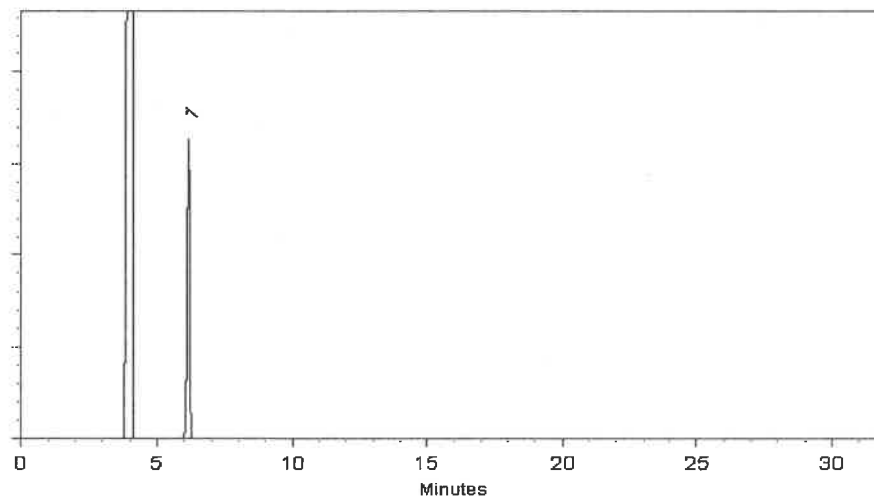
200°C

Det. Temp:

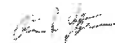
250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 15-Nov-2022

Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

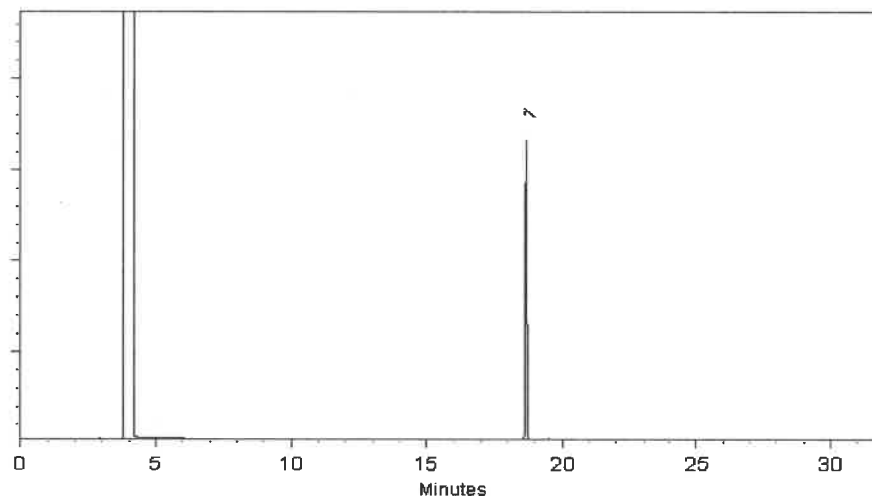
FID

Split Vent:

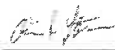
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

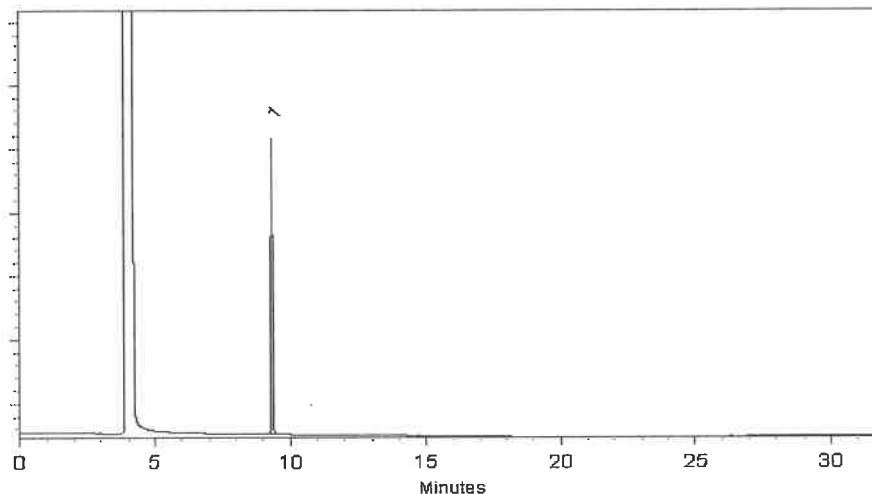
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Manufacturing Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

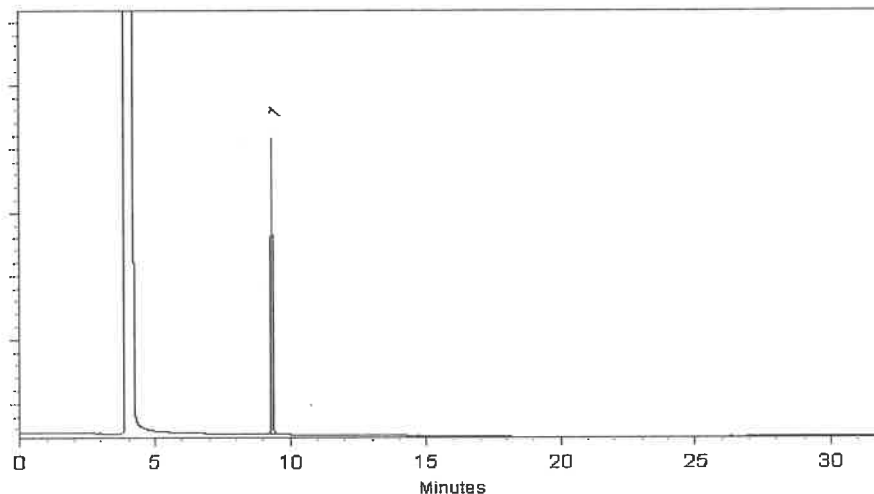
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Handling Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

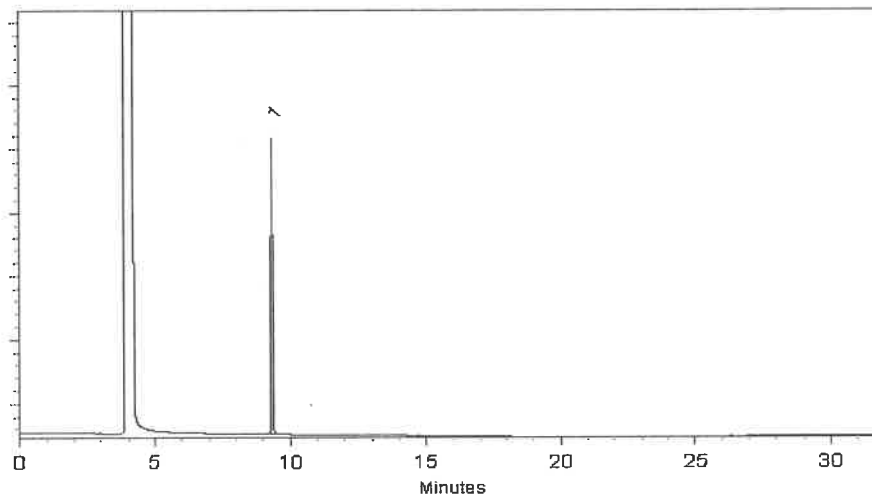
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

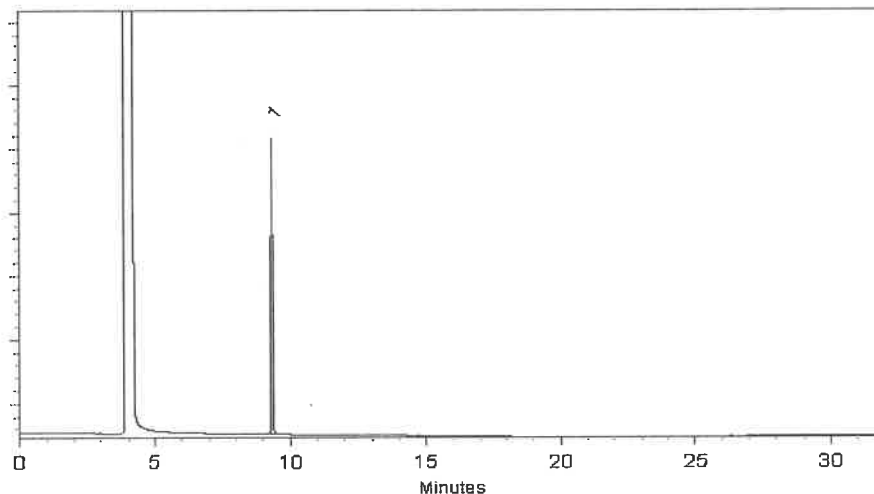
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 Lot No.: A0193887
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 30, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

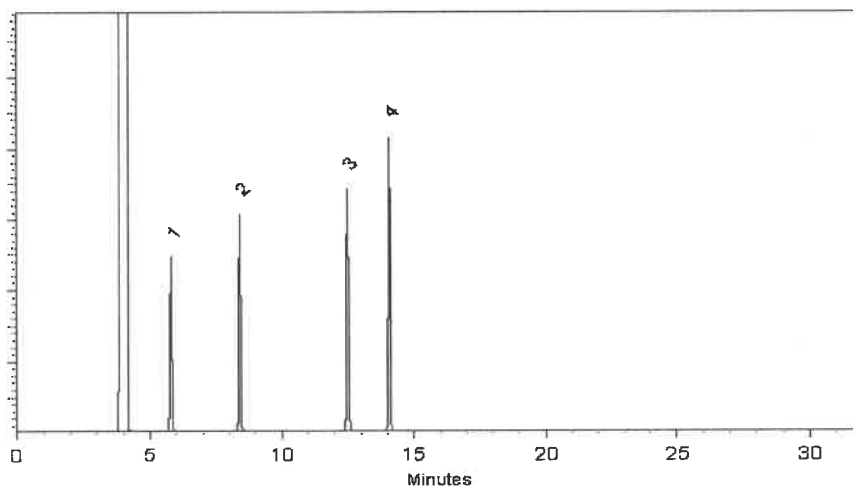
FID

Split Vent:

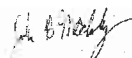
40 ml/min

Inj. Vol

1µl



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Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

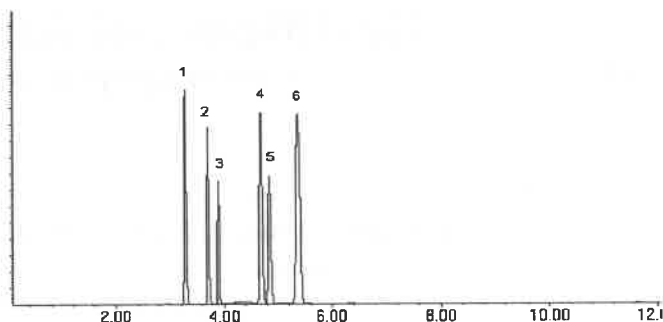
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0205013
Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2025 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,012.7 µg/mL	+/- 69.5670
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,017.5 µg/mL	+/- 69.7338
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,020.0 µg/mL	+/- 69.8205
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,018.7 µg/mL	+/- 69.7744
5	Propyl acetate	109-60-4	KLOBM	99%	2,012.0 µg/mL	+/- 69.5439
6	Butyl acetate	123-86-4	SHBP6314	99%	2,020.0 µg/mL	+/- 69.8205
7	Amyl acetate	628-63-7	41325/1	97%	2,019.5 µg/mL	+/- 69.8046

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

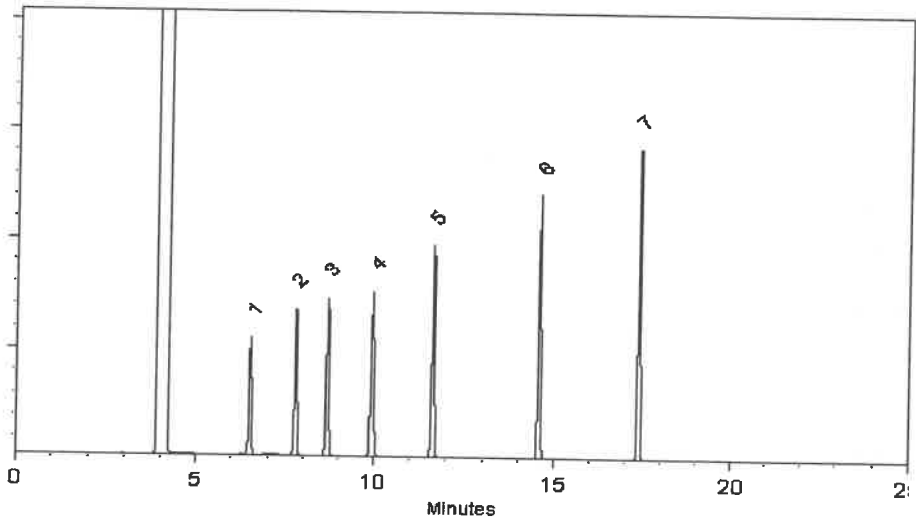
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Mixed: 04-Dec-2023 Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Dec-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

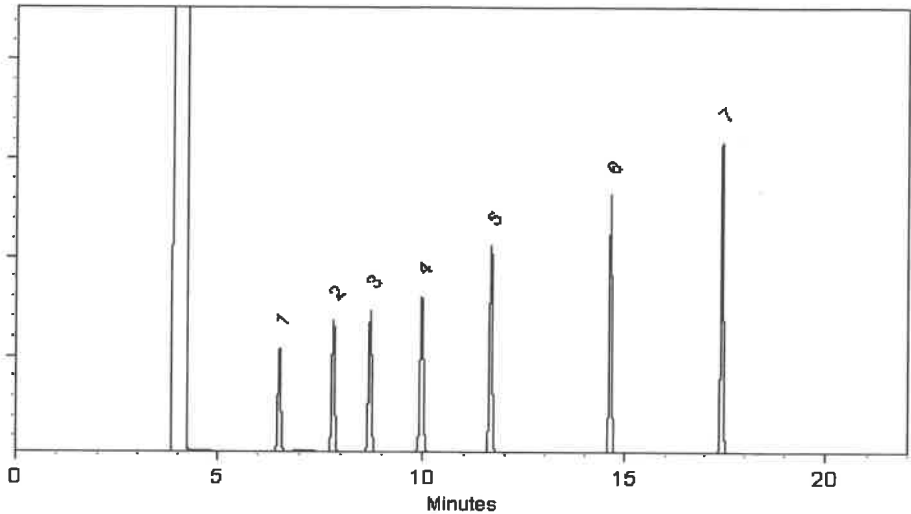
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

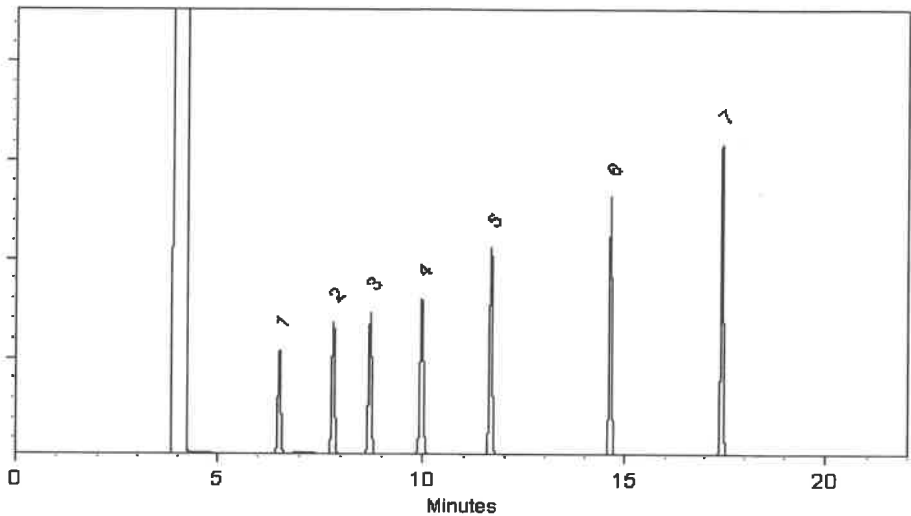
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

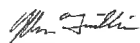
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of 11-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

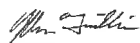
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of SDS per April 18, 2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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Dec 12/17/24
30 v. 4
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14697-to-14726



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

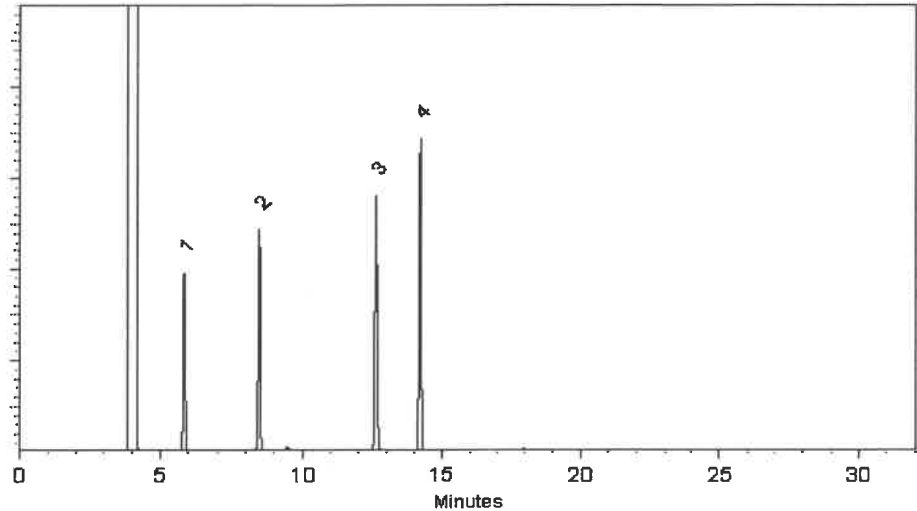
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

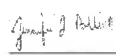


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

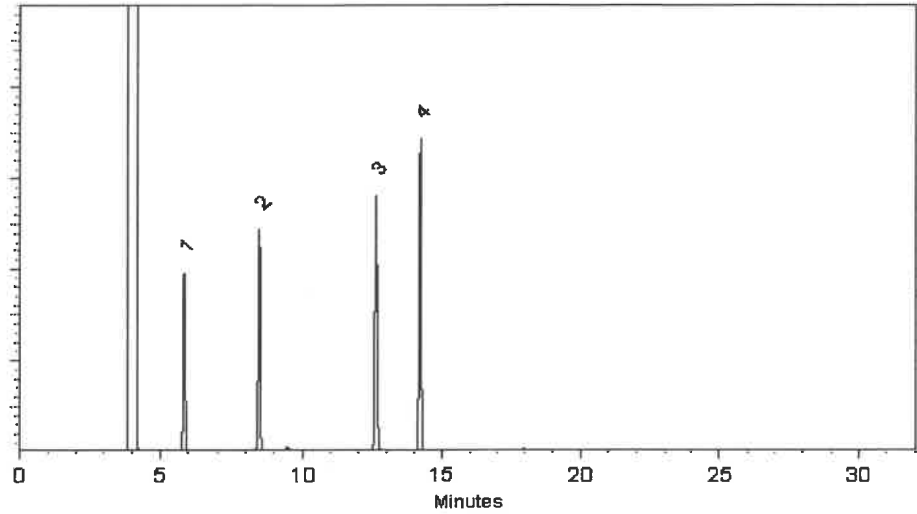
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

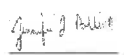


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

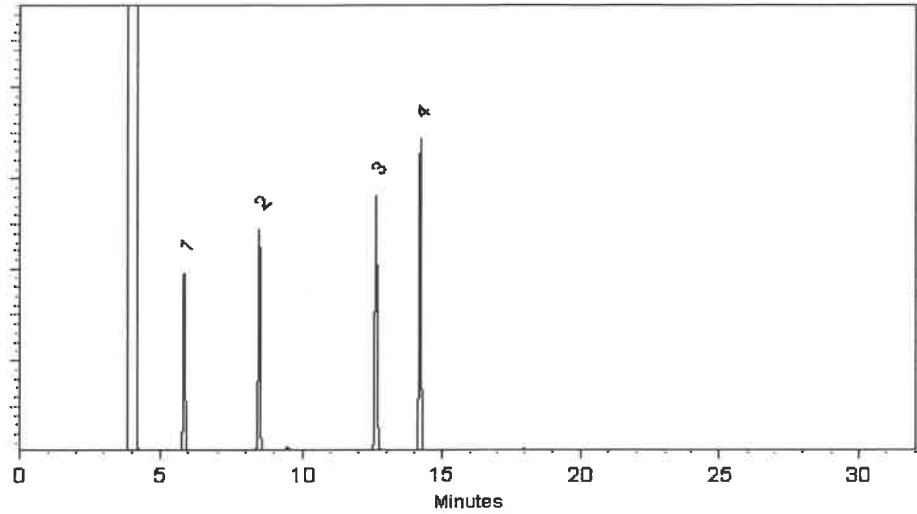
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

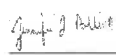


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
CERTIFIED REFERENCE MATERIAL
30 ml

Certificate of Analysis

chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

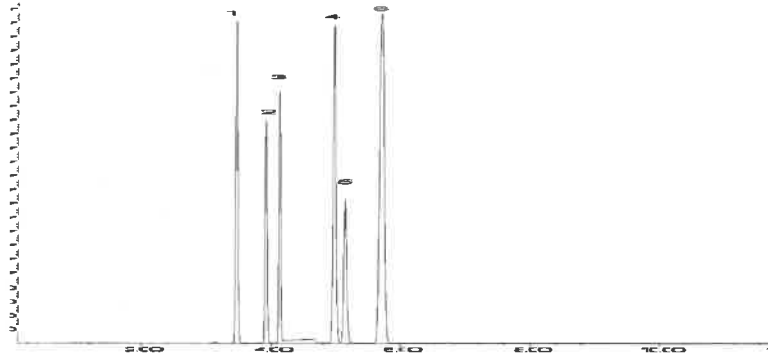
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
30 ml
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus
V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

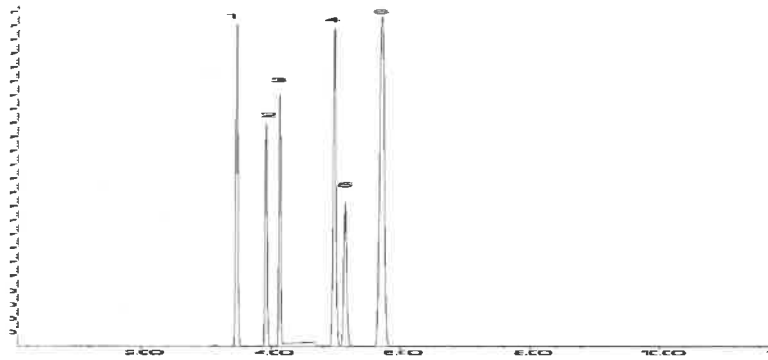
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

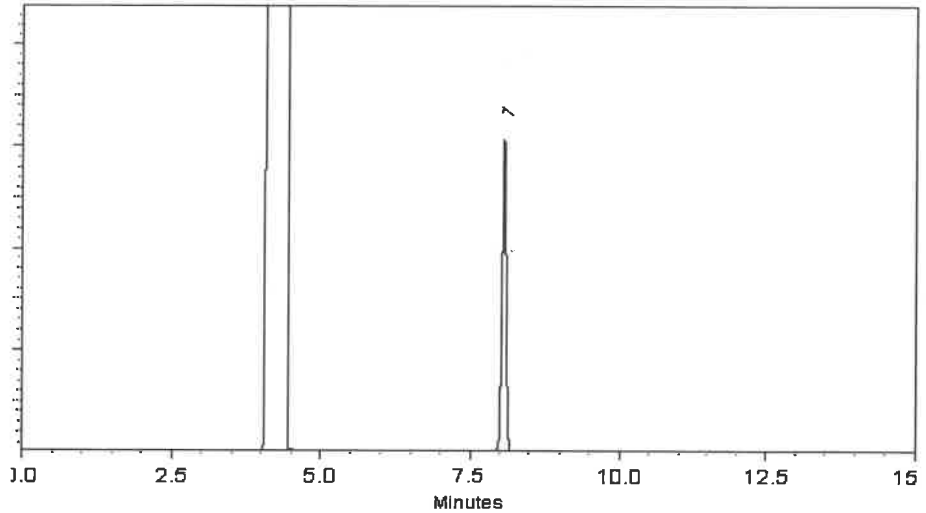
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pabon at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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www.restek.com

10 vol Rec 01/08/25
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

✓ 14793 to 14802



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0220563
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,060.0 µg/mL	+/- 278.5905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

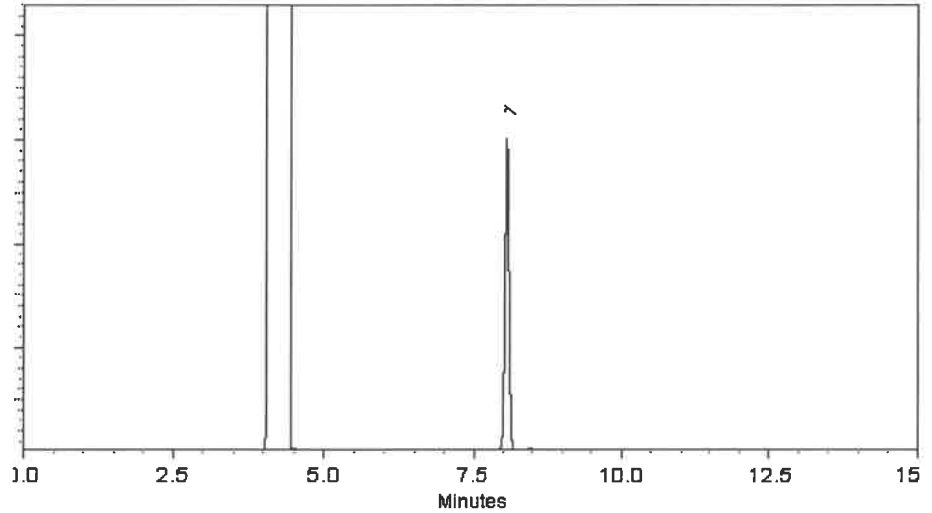
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

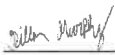
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckal - Mix Technician

Date Mixed: 30-Dec-2024 Balance Serial # B345965662


Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pothos at 7:11 am, Jan 03, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

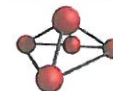
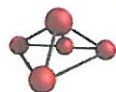
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED WEIGHT REPORT

Part Number: **70046**
Lot Number: **070122**
Description: **Bromochloromethane**

Solvent: **Methanol**
Lot#: **EC592-US**

<i>Gabriel Helland</i>		070122
Formulated By:	Gabriel Helland	DATE
<i>Pedro L. Rentas</i>		070122
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 070127

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

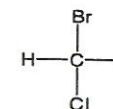
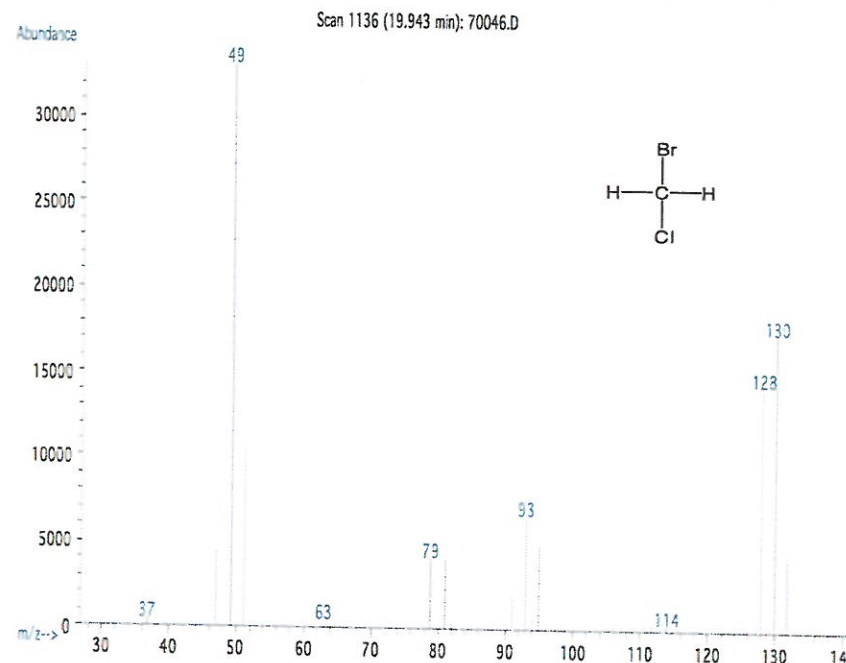
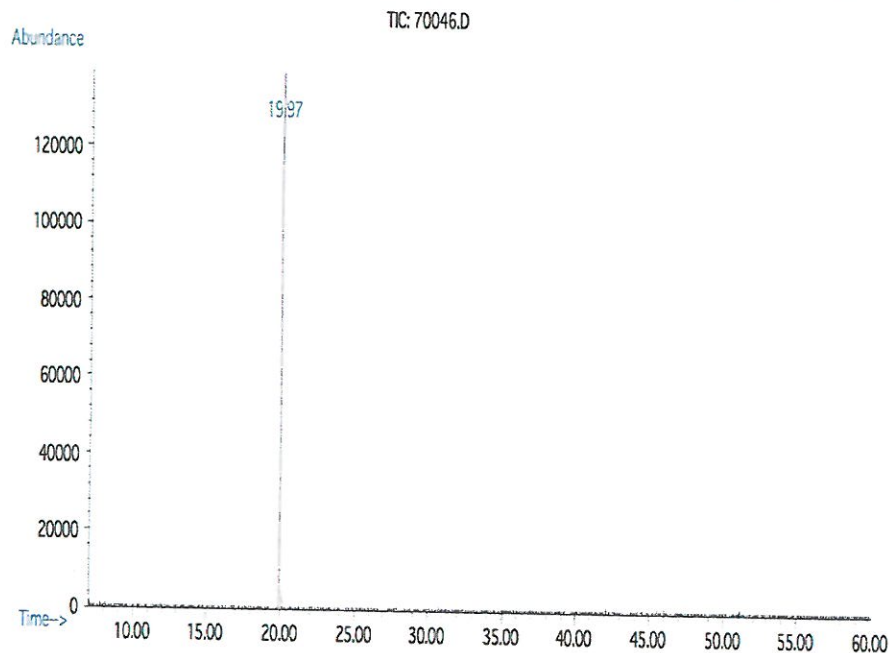
5E-05 Balance Uncertainty

0.0002 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 25.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02530	0.02540	1004.1	5.7	74-97-5	200 ppm (1050mg/m ³ /8H)	ori-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
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Country of Origin: USA
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Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

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Weston COC ID
Weston_20250210_1440

Chain of Custody Record/Lab Work Request

Page	1	of	1
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Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Hamington		

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111169	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	908-728-3144

Lab Address:	284 Sheffield Street Mountainside, NJ 07092											
Analyses Requested:	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 6010D/7470A	TCLP Pesticides by EPA 8061B	TCLP Herbicides by EPA 8151A	Total Sulfide by EPA 9034	Total Cyanide by EPA 9012B	PCB by EPA 8082A	Ignitability by EPA 1030	pH by EPA 9045D		
	Container Type:	Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass		
Container Size:	25g	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz		
Preservative:	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6		

Matrix Codes
SS - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
SB - Soil Boring
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected											Special Instructions/Comments
1	TAP-IDW-SOIL-021025 TAP-IDW-SOIL-021025	c	DS	16	no	2/10/2025	13:40	X	X	X	X	X	X	X	X	X		
2	CA			7712														
3				10 Feb 2025														
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

FedEx Shipping Airbill Number:	7719 9675 4644				Cooler Number:	1	of	1
Relinquished By	Date	Time	Received By	Date	Time	Additional Comments		
1) <i>[Signature]</i>	10 Feb 25	1800	y9 3.1	2/11/2025	9:10	QSM 6.0 Compliant		
2)						Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD		
3)								

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 11 01:58:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	2473	1.259	ug/l	0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	2.520%#
35) Dibromofluoromethane	5.379	113	2013	1.218	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.440%#
50) Toluene-d8	8.653	98	6195	0.991	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	1.980%#
62) 4-Bromofluorobenzene	11.085	95	1950	0.926	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	1.860%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	1655	0.880	ug/l	100
3) Chloromethane	1.307	50	2571	1.123	ug/l	94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l	96
5) Bromomethane	1.593	94	727	1.095	ug/l	91
6) Chloroethane	1.666	64	1341	2.609	ug/l	91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l	88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l #	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l #	88
10) Methyl Iodide	2.447	142	1869	0.851	ug/l	99
11) Tert butyl alcohol	2.953	59	3020	8.291	ug/l #	78
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l	85
13) Acrolein	2.239	56	2228	5.928	ug/l	100
14) Allyl chloride	2.654	41	3164	1.013	ug/l	90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l	95
16) Acetone	2.380	43	4095	5.188	ug/l	92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l #	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l #	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l	96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l #	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l	99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l #	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l	93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l	76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l	91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l #	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l	99
30) Chloroform	5.093	83	3132	0.976	ug/l	94
31) Cyclohexane	5.458	56	2960	0.971	ug/l #	80
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l #	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l	94
37) Ethyl Acetate	4.721	43	1004	0.379	ug/l #	72
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l #	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l	96
40) Benzene	6.038	78	6963	0.935	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 11 01:58:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	621	0.438	ug/l #	29
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l	84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l #	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l	76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l #	86
46) Dibromomethane	7.592	93	1202	0.936	ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l	96
52) Toluene	8.714	92	3943	0.889	ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914	ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996	ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240	ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885	ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888	ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971	ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874	ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892	ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763	ug/l	100
69) o-Xylene	10.640	106	2889	0.942	ug/l	97
70) Styrene	10.659	104	3974	0.804	ug/l	97
71) Bromoform	10.799	173	813	0.721	ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928	ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	2567	1.276	ug/l	82
77) Bromobenzene	11.201	156	1537	0.928	ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871	ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	587	0.751	ug/l #	79
82) 4-Chlorotoluene	11.457	91	5367	0.936	ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833	ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902	ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963	ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	2933	0.952	ug/l	99
89) n-Butylbenzene	12.335	91	3880	0.734	ug/l	93
90) Hexachloroethane	12.536	117	968	0.866	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861	ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966	ug/l	99
95) Naphthalene	13.780	128	5125	0.783	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853	ug/l	93

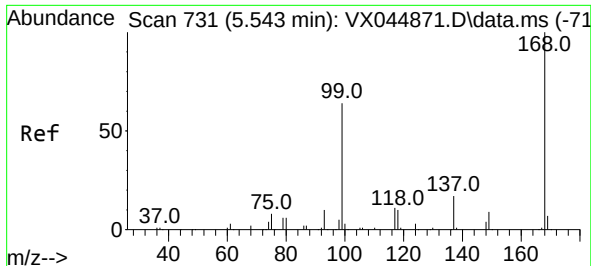
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Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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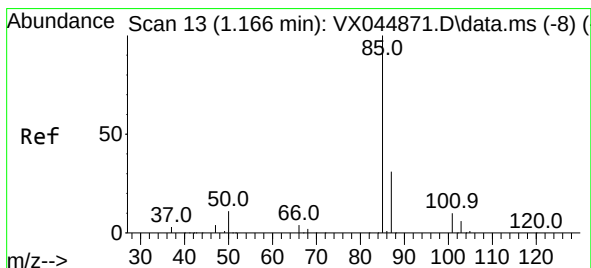
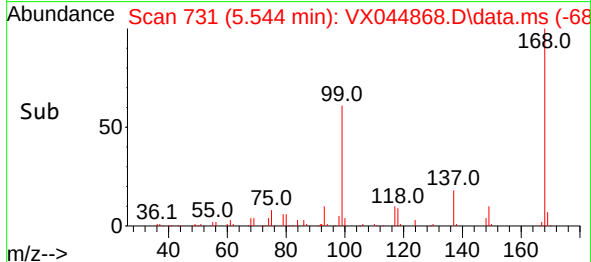
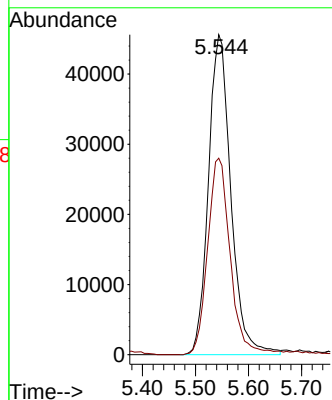
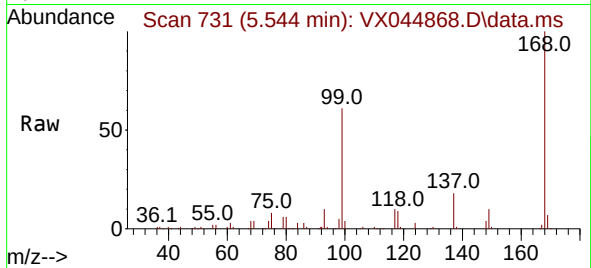
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

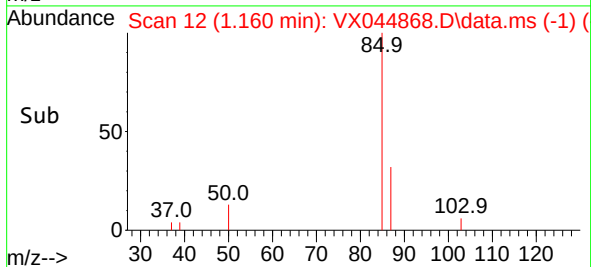
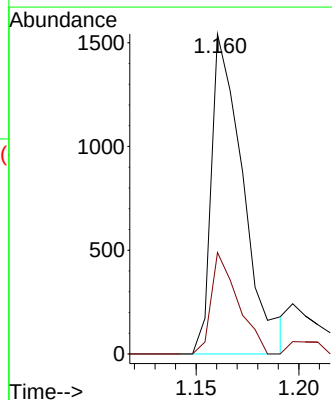
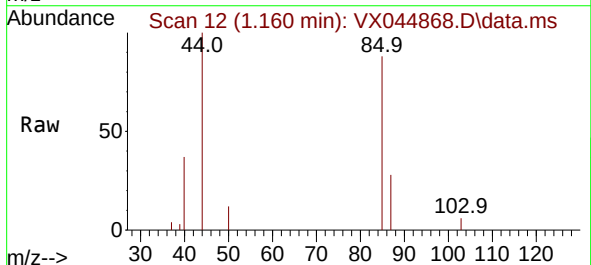
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

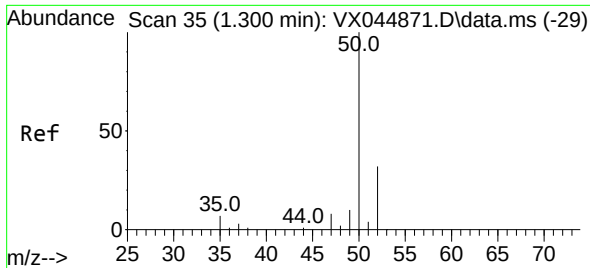
Tgt Ion:168 Resp: 134134
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 0.880 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1655
Ion Ratio Lower Upper
85 100
87 31.7 15.8 47.3

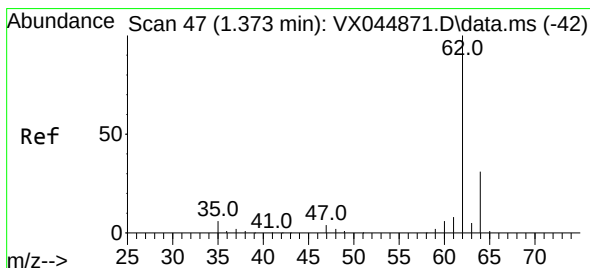
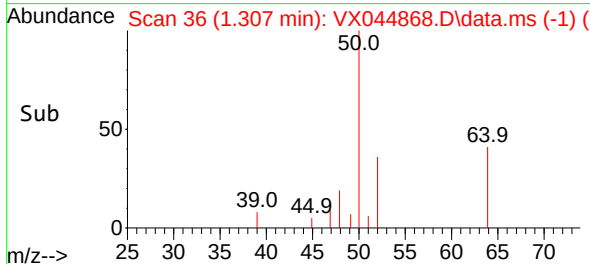
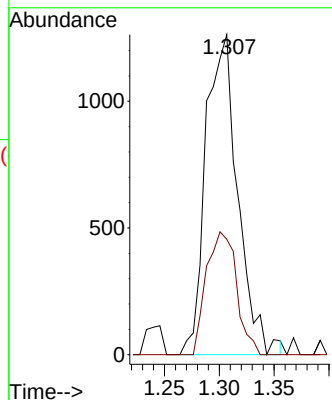
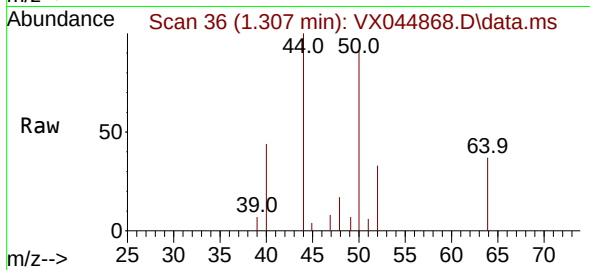




#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

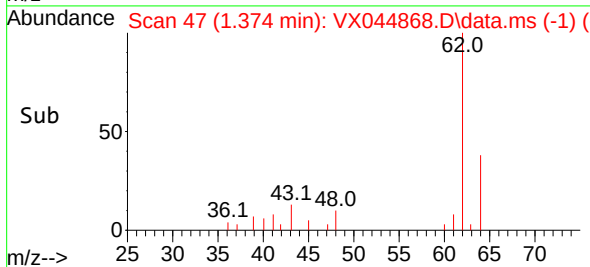
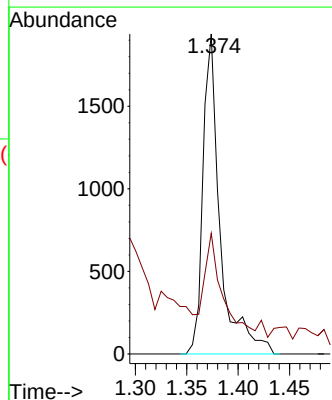
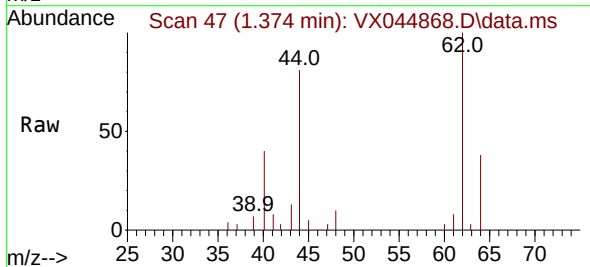
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

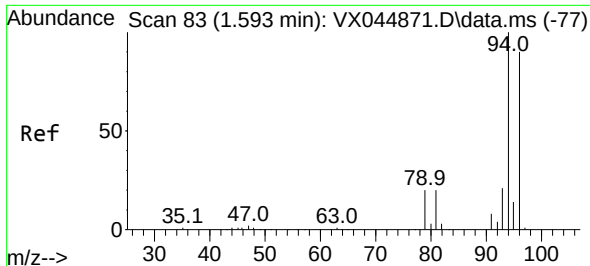
Tgt Ion: 50 Resp: 2571
Ion Ratio Lower Upper
50 100
52 36.0 25.9 38.9



#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2252
Ion Ratio Lower Upper
62 100
64 29.4 25.4 38.0

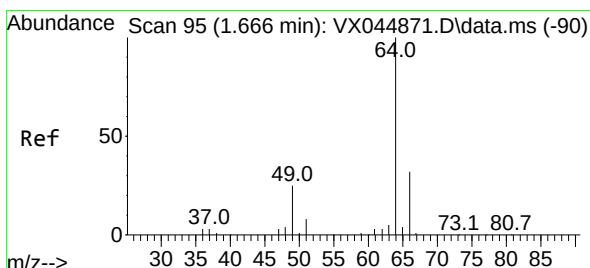
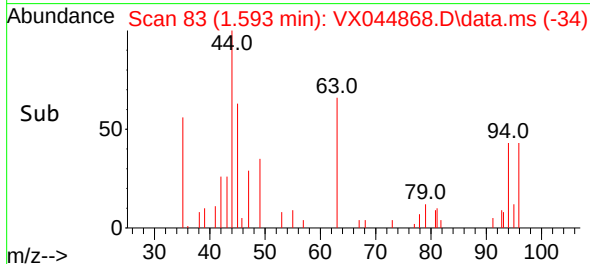
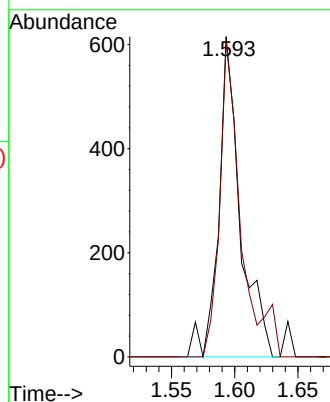
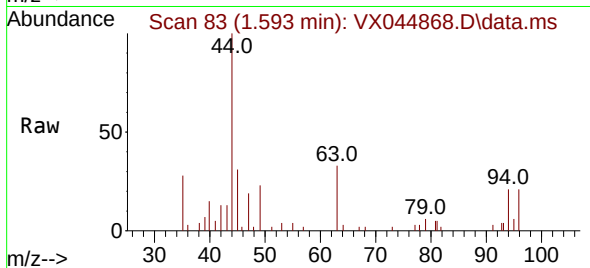




#5
Bromomethane
Concen: 1.095 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

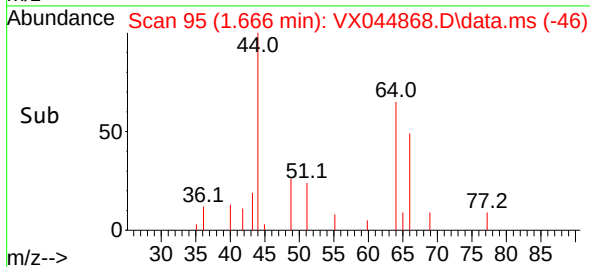
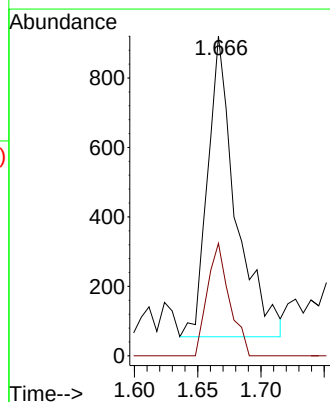
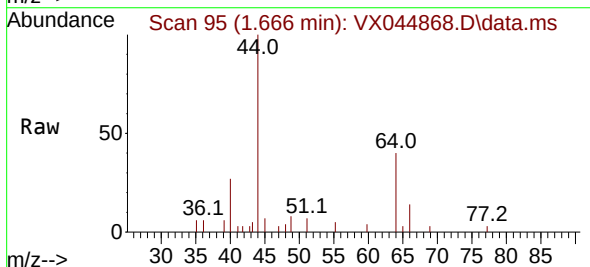
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

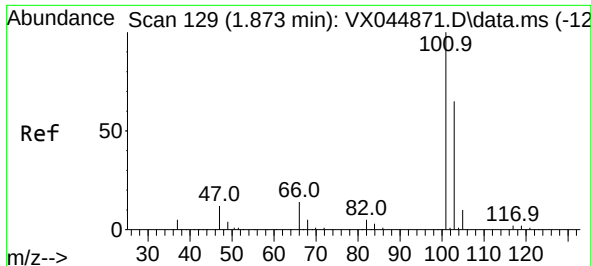
Tgt Ion: 94 Resp: 727
Ion Ratio Lower Upper
94 100
96 98.4 71.6 107.4



#6
Chloroethane
Concen: 2.609 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 64 Resp: 1341
Ion Ratio Lower Upper
64 100
66 37.4 25.9 38.9

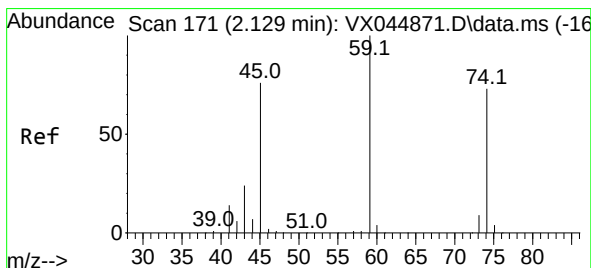
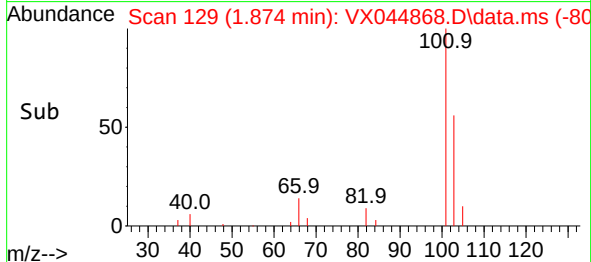
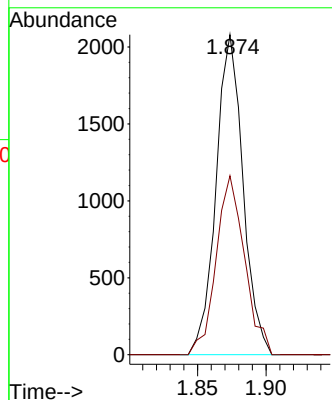
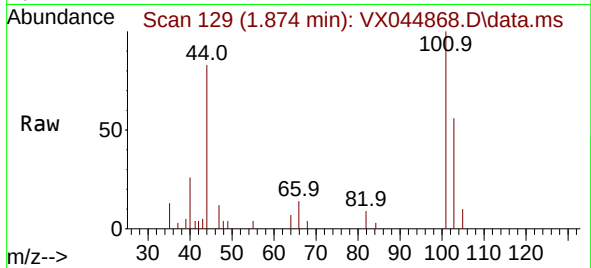




#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

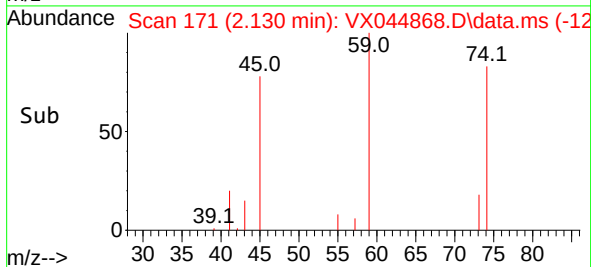
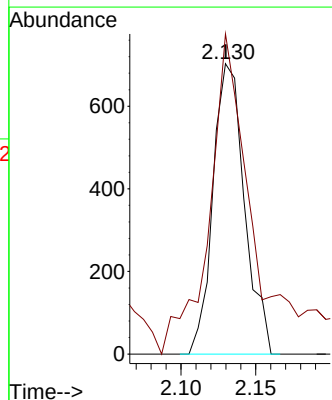
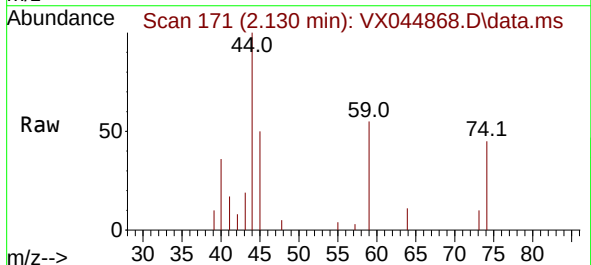
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

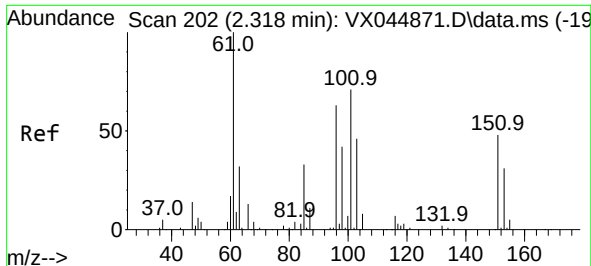
Tgt Ion:101 Resp: 2849
Ion Ratio Lower Upper
101 100
103 55.9 52.4 78.6



#8
Diethyl Ether
Concen: 1.014 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 74 Resp: 1032
Ion Ratio Lower Upper
74 100
45 166.1 51.1 153.4#

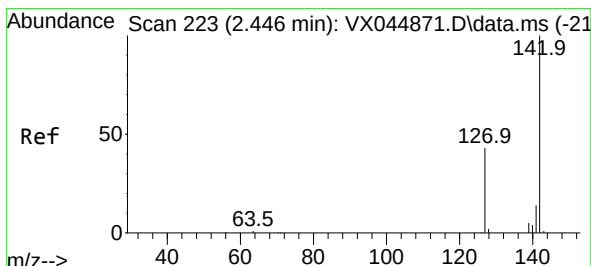
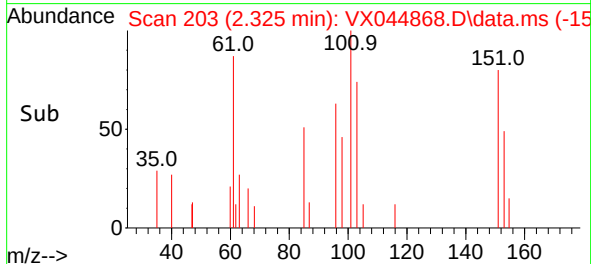
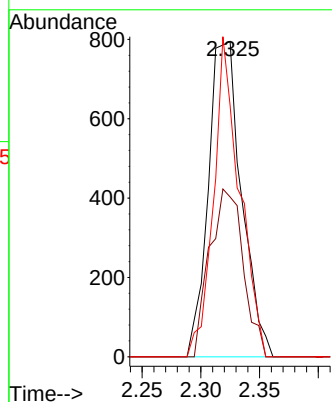
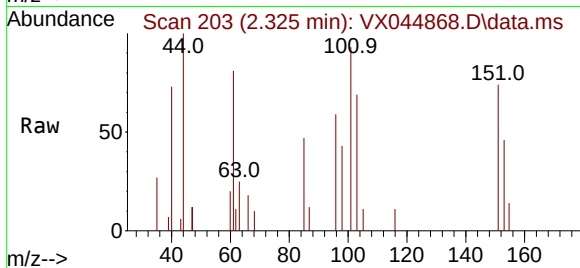




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

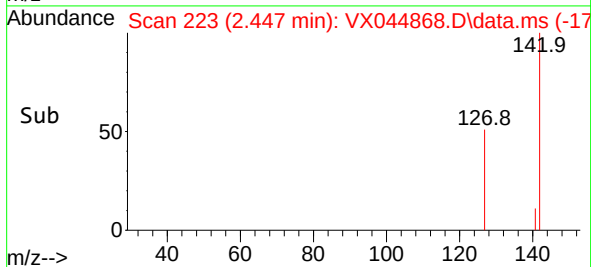
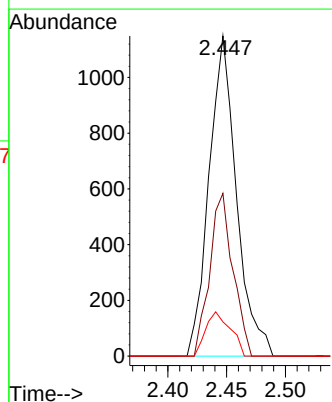
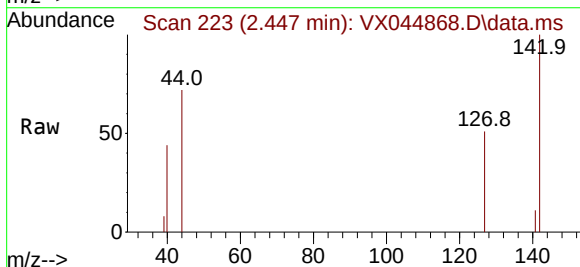
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

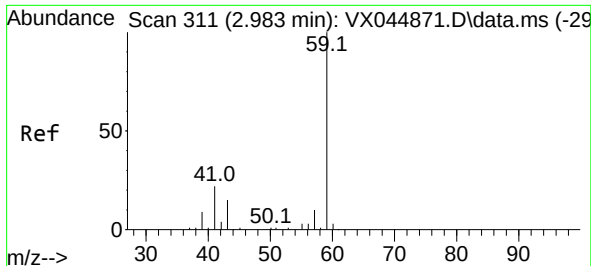
Tgt Ion:101 Resp: 1564
Ion Ratio Lower Upper
101 100
85 53.6 35.7 53.5#
151 79.3 56.0 84.0



#10
Methyl Iodide
Concen: 0.851 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:142 Resp: 1869
Ion Ratio Lower Upper
142 100
127 42.9 34.3 51.5
141 12.4 11.4 17.2

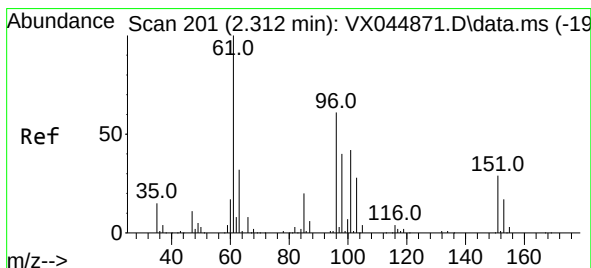
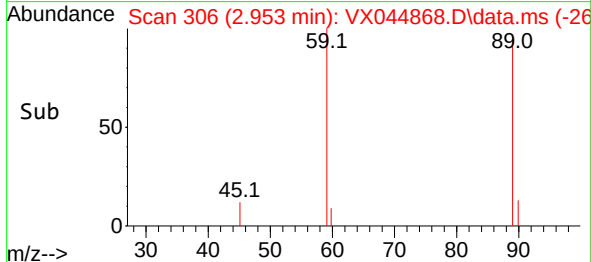
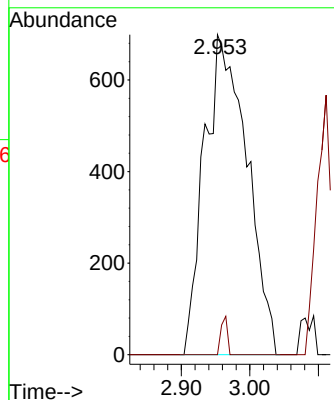
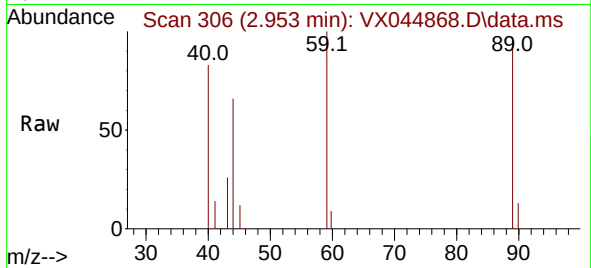




#11
Tert butyl alcohol
Concen: 8.291 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

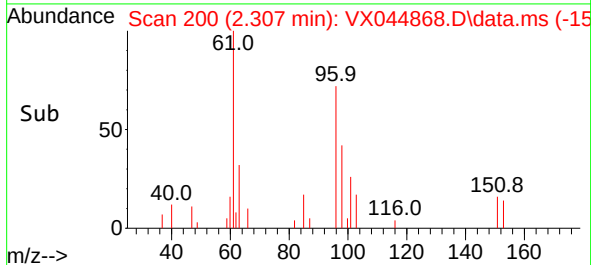
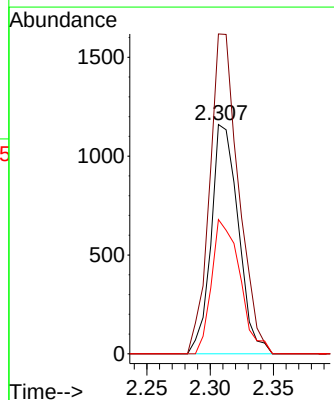
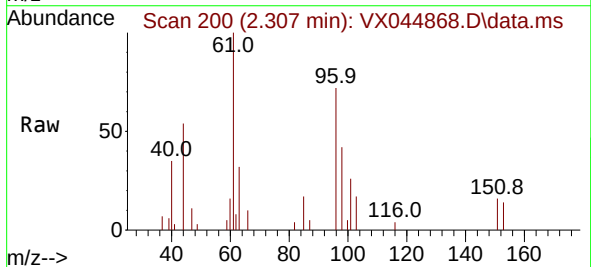
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

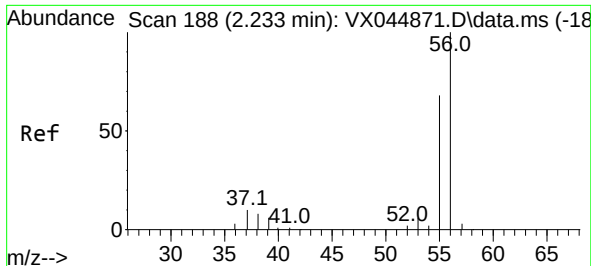
Tgt Ion: 59 Resp: 3020
Ion Ratio Lower Upper
59 100
57 1.8 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 1.005 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 96 Resp: 1737
Ion Ratio Lower Upper
96 100
61 139.5 130.2 195.4
98 58.5 52.2 78.4

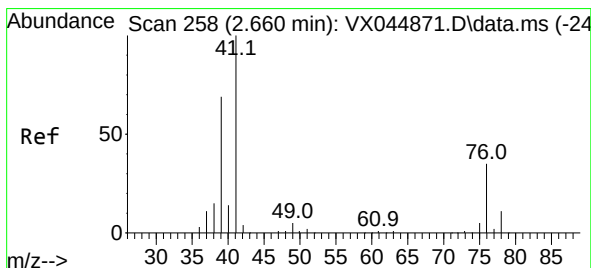
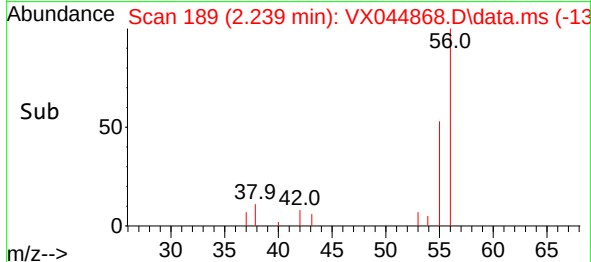
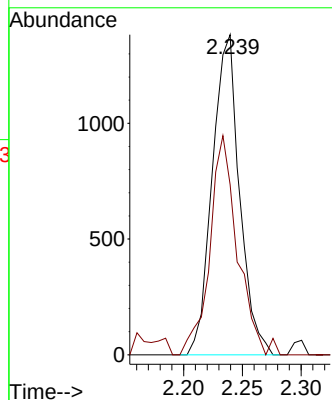
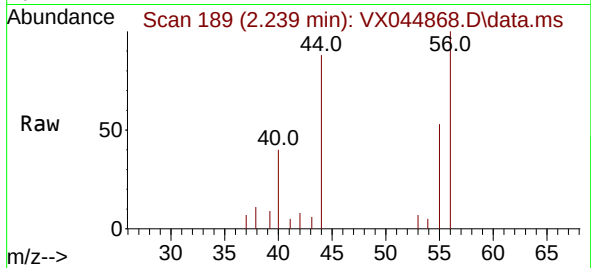




#13
Acrolein
Concen: 5.928 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

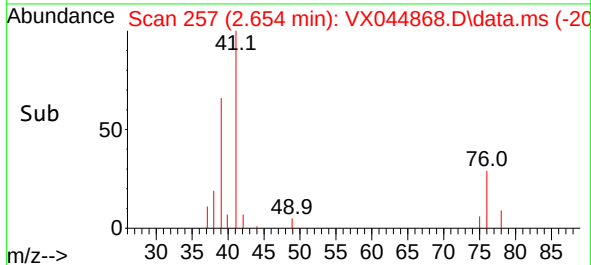
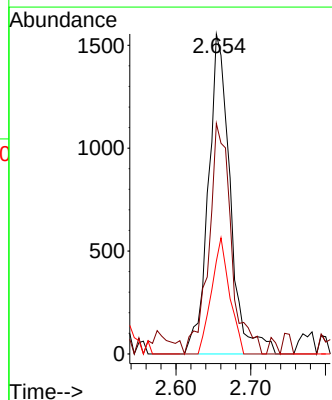
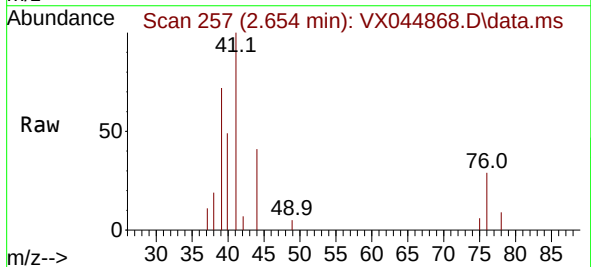
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

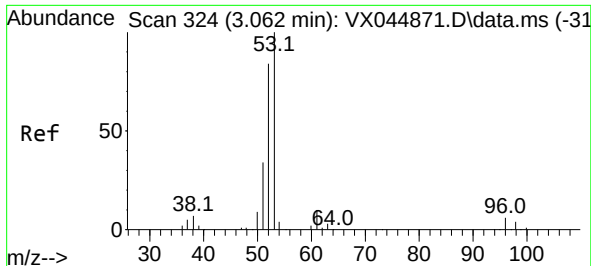
Tgt Ion: 56 Resp: 2228
Ion Ratio Lower Upper
56 100
55 69.5 55.7 83.5



#14
Allyl chloride
Concen: 1.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 3164
Ion Ratio Lower Upper
41 100
39 73.5 51.4 77.2
76 29.9 27.0 40.4

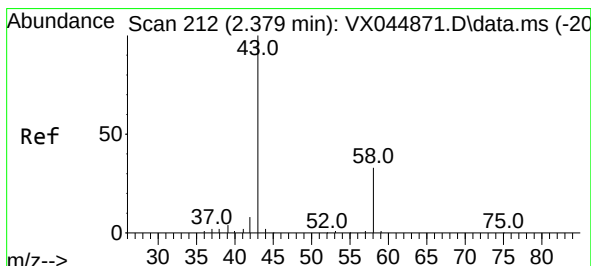
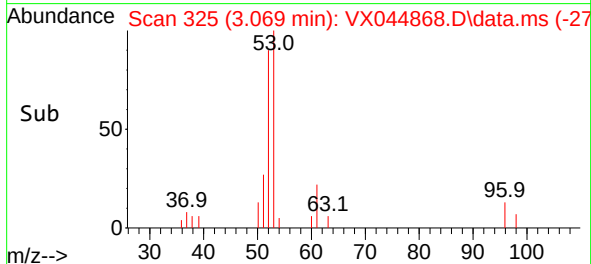
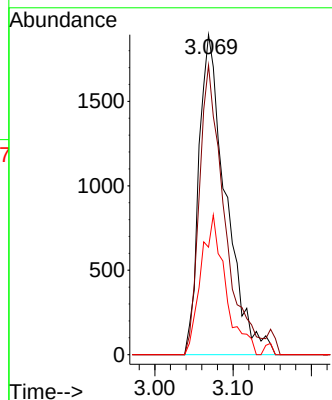
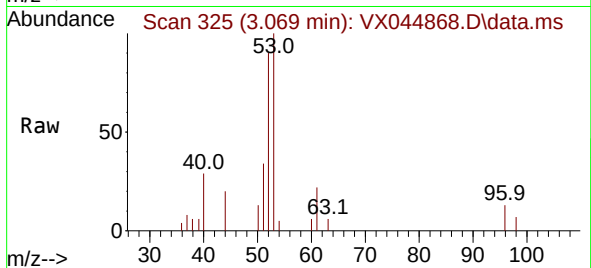




#15
Acrylonitrile
Concen: 4.655 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

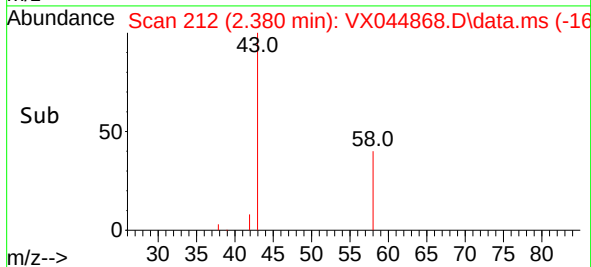
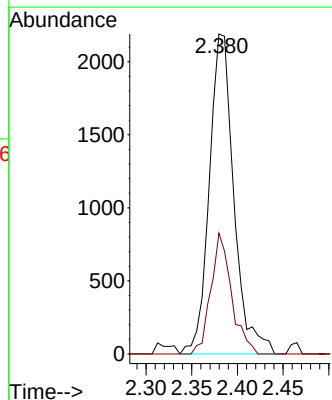
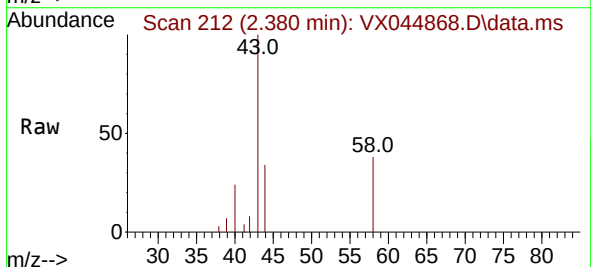
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

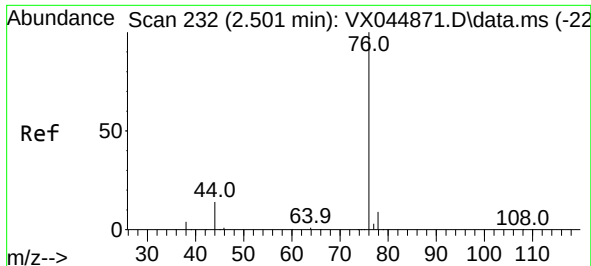
Tgt Ion:	53	Resp:	4527
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.0	97.6
51	40.0	28.0	42.0



#16
Acetone
Concen: 5.188 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:	43	Resp:	4095
Ion	Ratio	Lower	Upper
43	100		
58	37.8	26.5	39.7

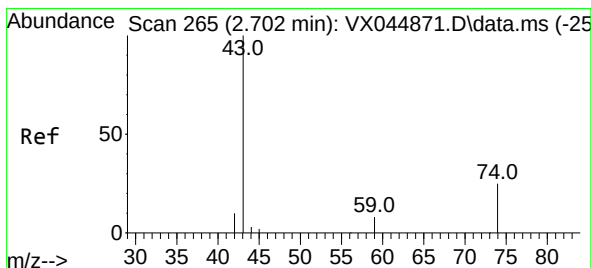
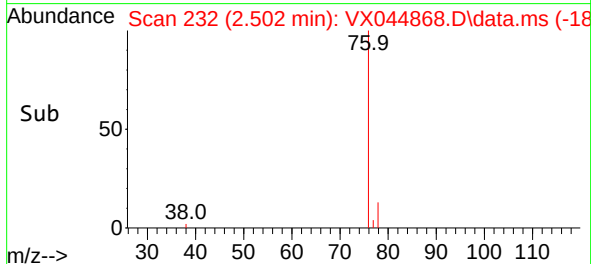
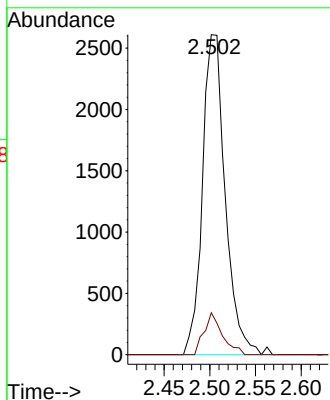
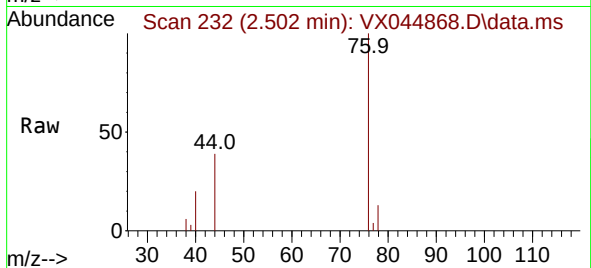




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

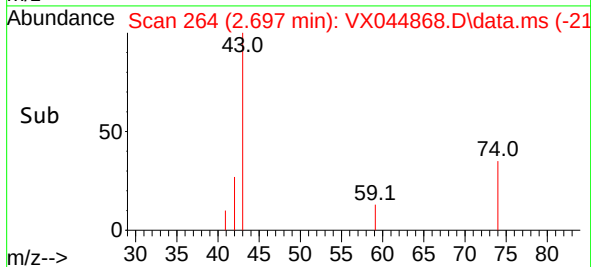
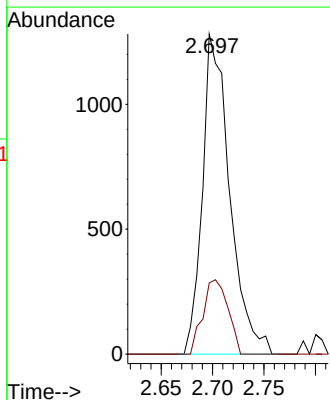
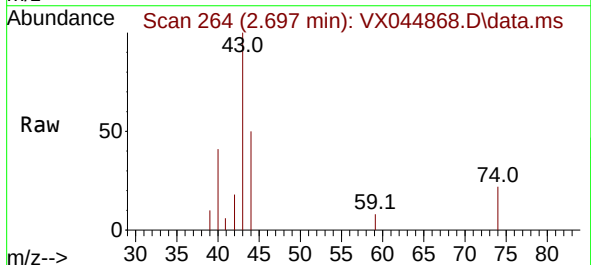
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

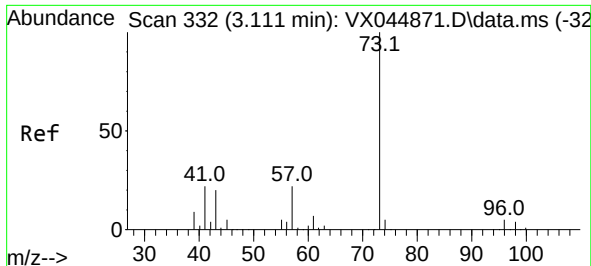
Tgt Ion: 76 Resp: 4531
Ion Ratio Lower Upper
76 100
78 13.1 7.0 10.4#



#18
Methyl Acetate
Concen: 0.950 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2367
Ion Ratio Lower Upper
43 100
74 21.3 18.9 28.3

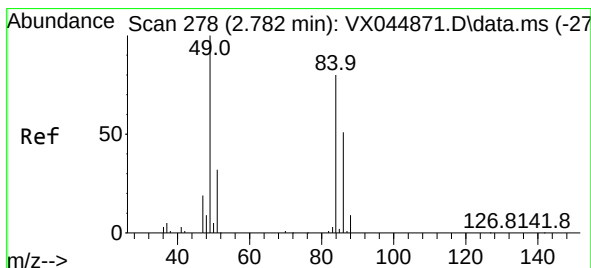
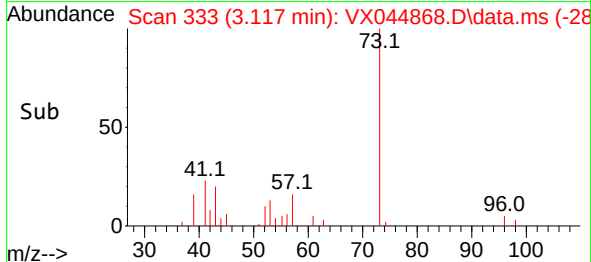
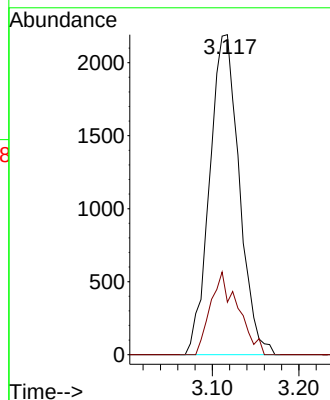
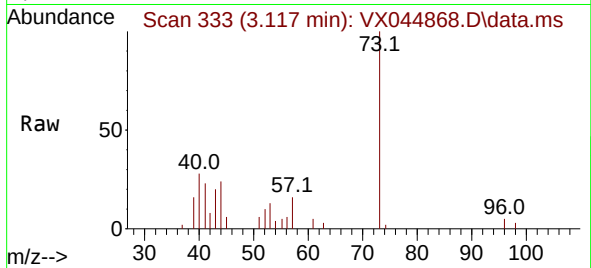




#19
Methyl tert-butyl Ether
Concen: 0.946 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

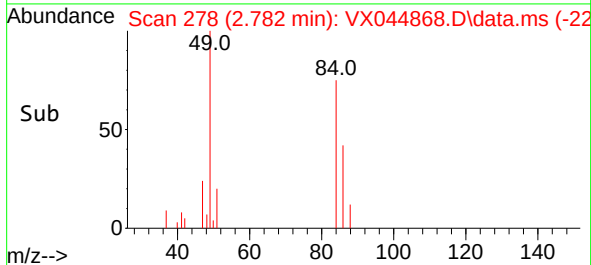
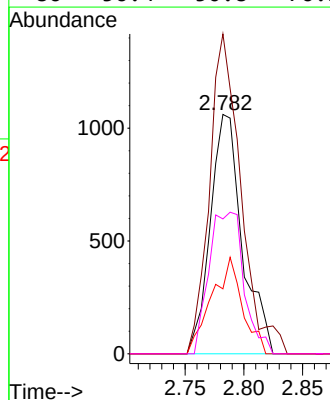
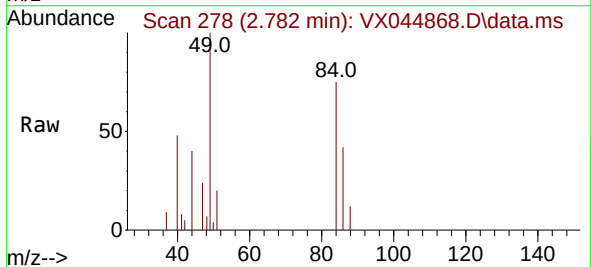
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

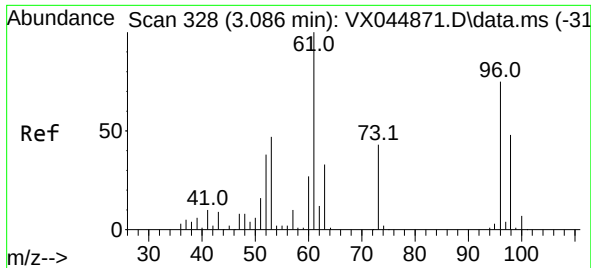
Tgt Ion: 73 Resp: 5206
Ion Ratio Lower Upper
73 100
57 16.4 17.9 26.9#



#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005
Ion Ratio Lower Upper
84 100
49 133.6 100.1 150.1
51 27.1 31.7 47.5#
86 56.4 50.8 76.2

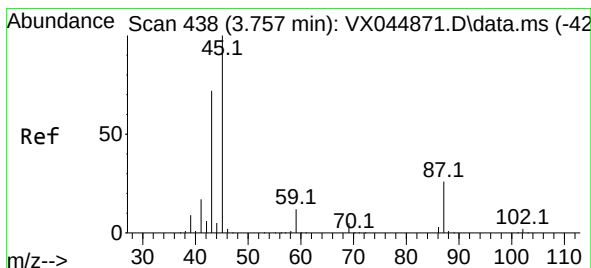
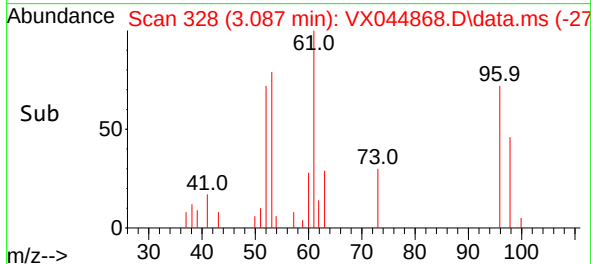
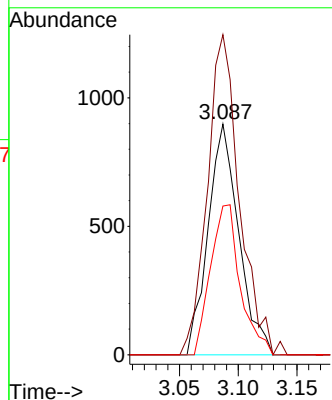
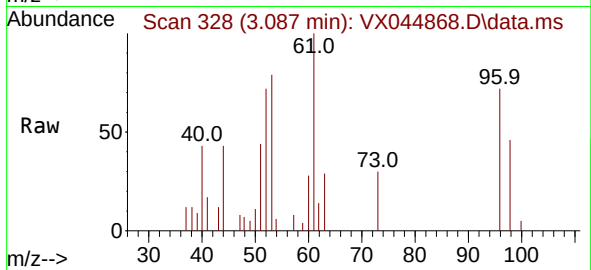




#21
trans-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

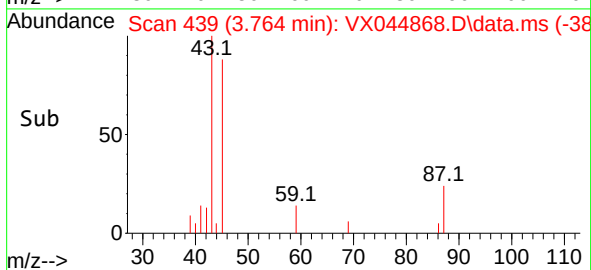
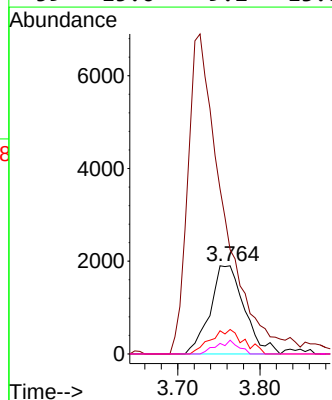
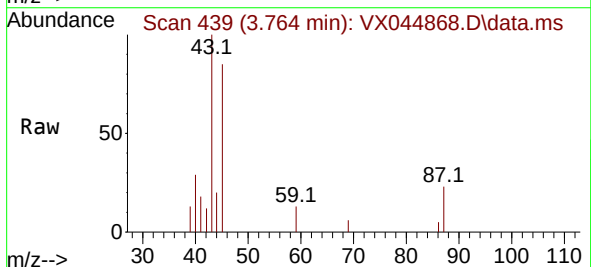
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

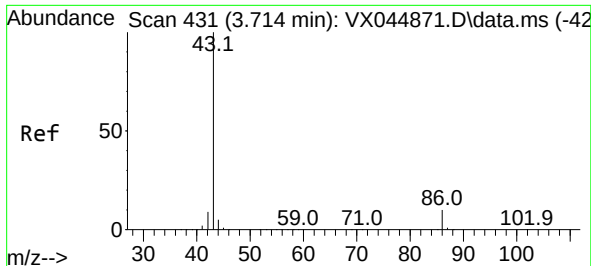
Tgt Ion: 96 Resp: 1631
Ion Ratio Lower Upper
96 100
61 138.8 106.0 159.0
98 64.5 50.6 76.0



#22
Diisopropyl ether
Concen: 0.930 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496
Ion Ratio Lower Upper
45 100
43 101.2 58.0 87.0#
87 27.8 20.7 31.1
59 15.6 9.2 13.8#

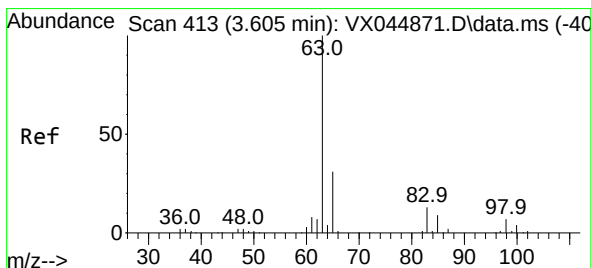
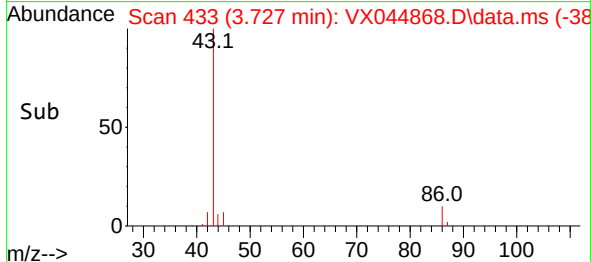
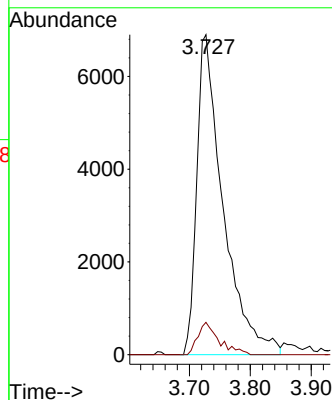
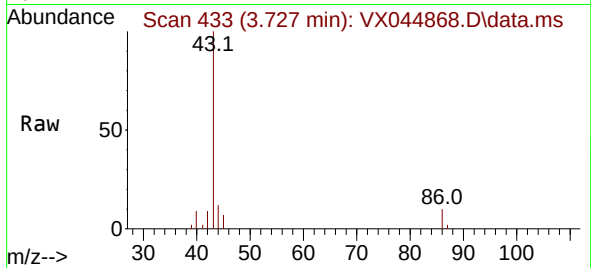




#23
 Vinyl Acetate
 Concen: 4.288 ug/l
 RT: 3.727 min Scan# 413
 Delta R.T. 0.013 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

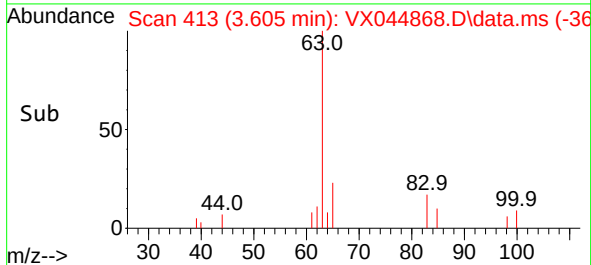
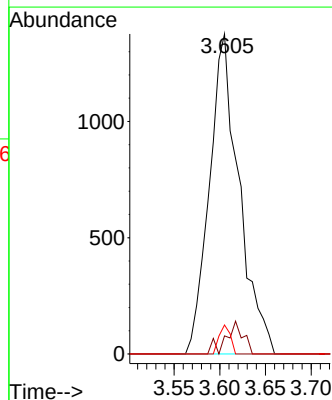
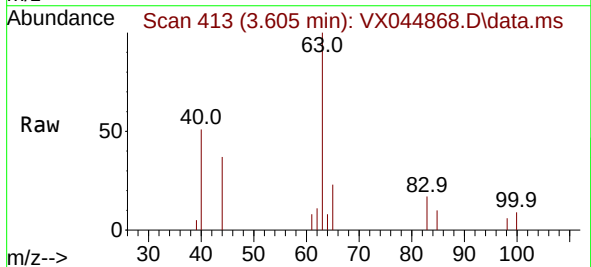
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

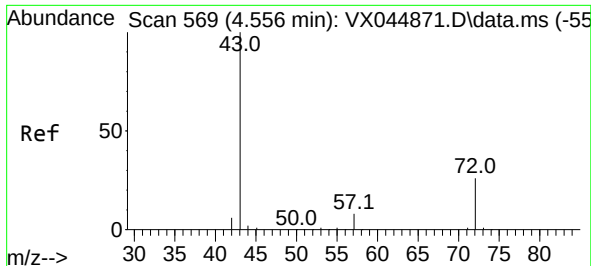
Tgt Ion: 43 Resp: 20663
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 0.937 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 3099
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.3 9.9
 100 9.1 2.1 6.5#

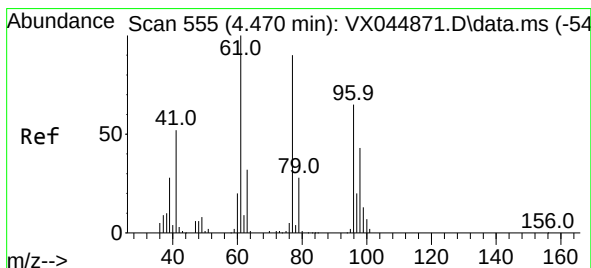
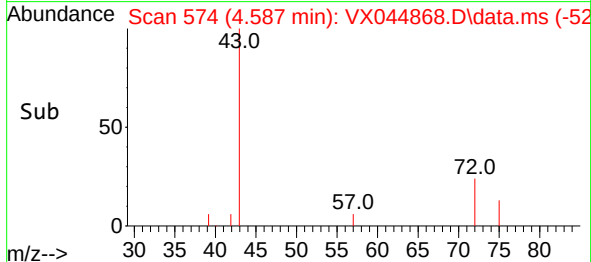
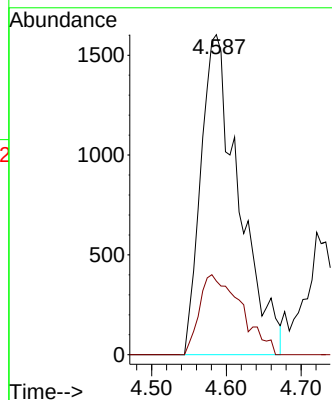
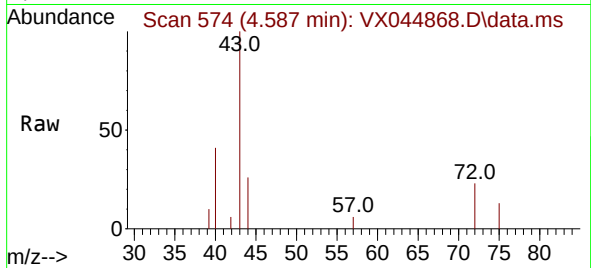




#25
2-Butanone
Concen: 4.416 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

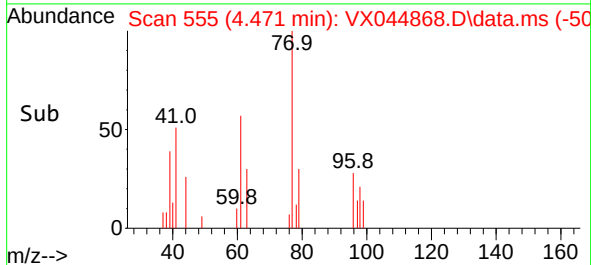
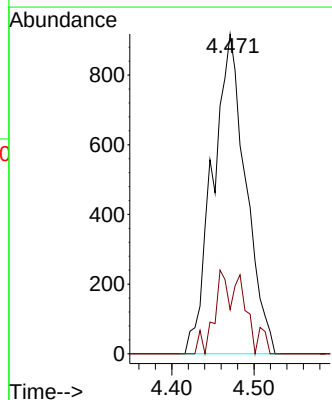
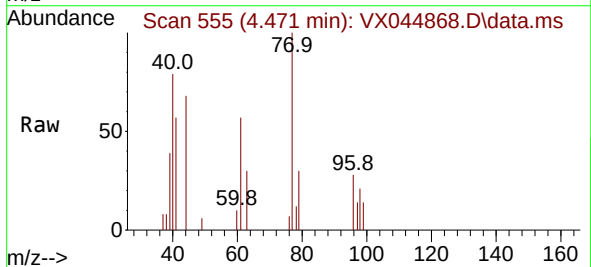
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

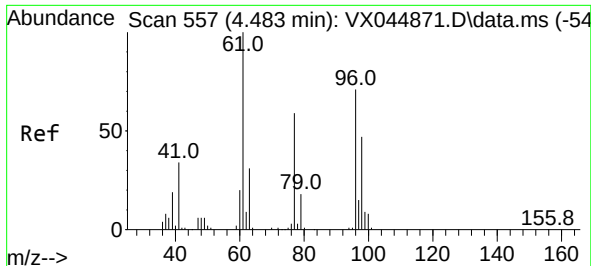
Tgt Ion: 43 Resp: 5660
Ion Ratio Lower Upper
43 100
72 23.0 21.2 31.8



#26
2,2-Dichloropropane
Concen: 0.978 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 77 Resp: 2566
Ion Ratio Lower Upper
77 100
97 11.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 0.893 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

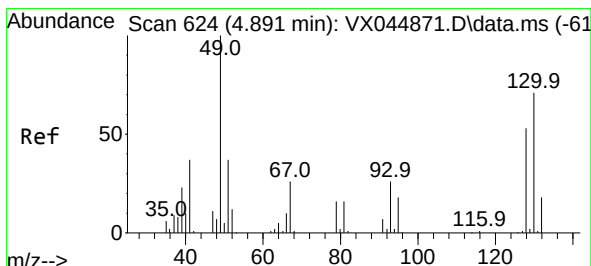
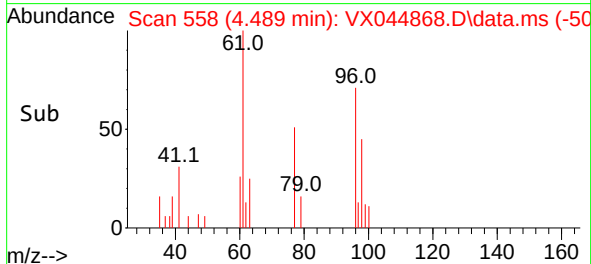
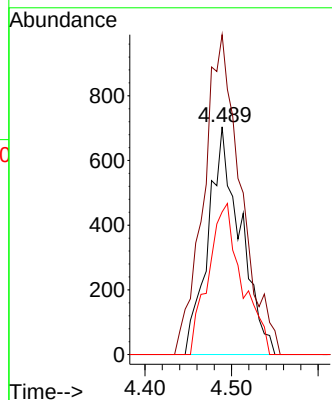
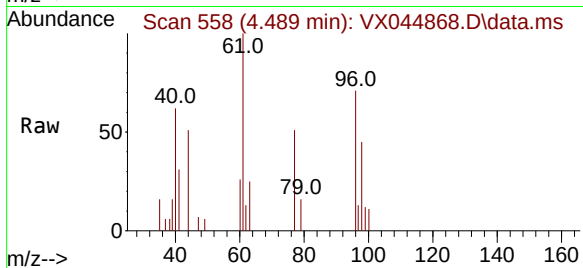
Tgt Ion: 96 Resp: 1825

Ion Ratio Lower Upper

96 100

61 161.6 0.0 294.0

98 68.9 0.0 131.2



#28

Bromochloromethane

Concen: 1.071 ug/l

RT: 4.910 min Scan# 627

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

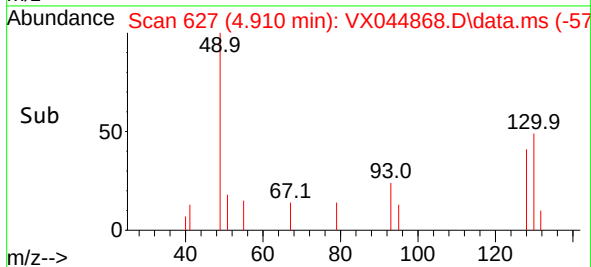
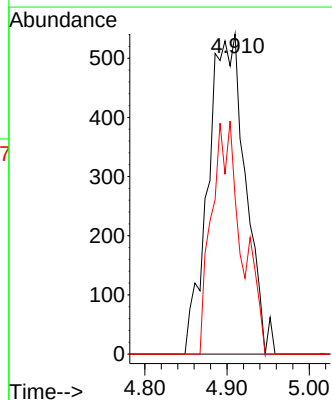
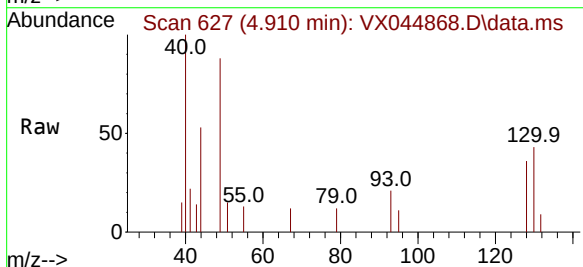
Tgt Ion: 49 Resp: 1702

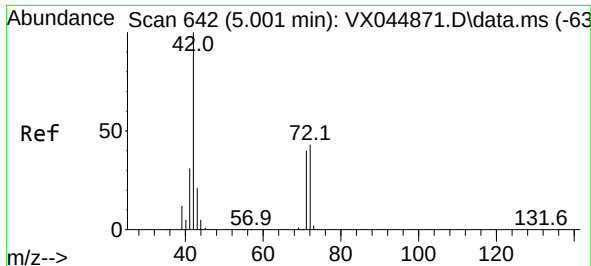
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 49.6 56.7 85.1#





#29

Tetrahydrofuran

Concen: 4.716 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

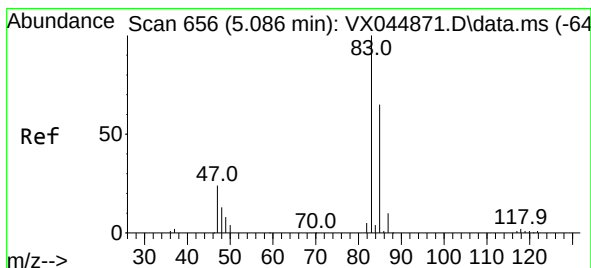
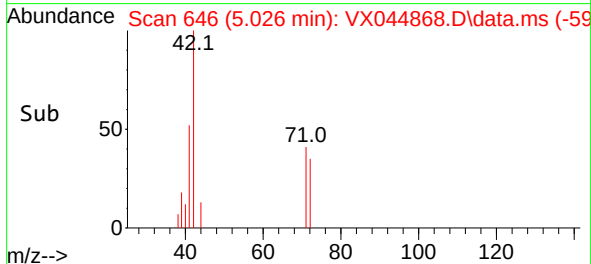
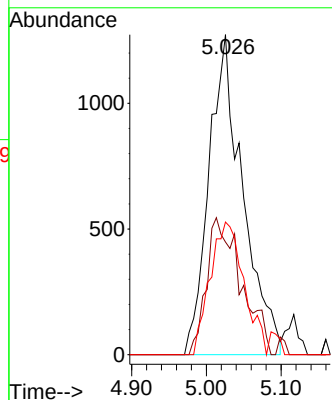
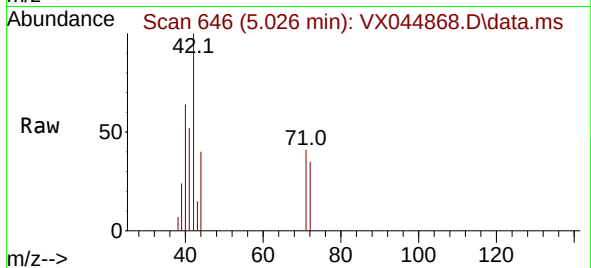
Tgt Ion: 42 Resp: 4014

Ion Ratio Lower Upper

42 100

72 43.8 35.0 52.4

71 41.3 32.6 48.8



#30

Chloroform

Concen: 0.976 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044868.D

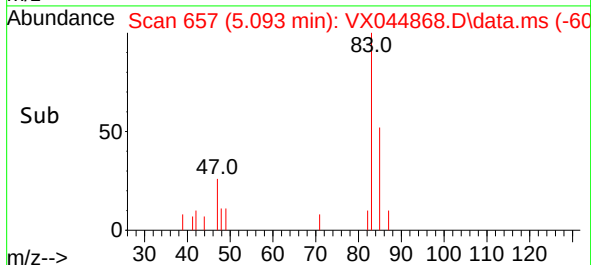
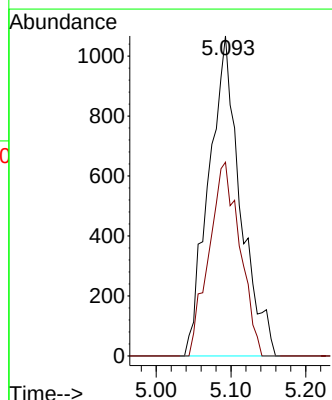
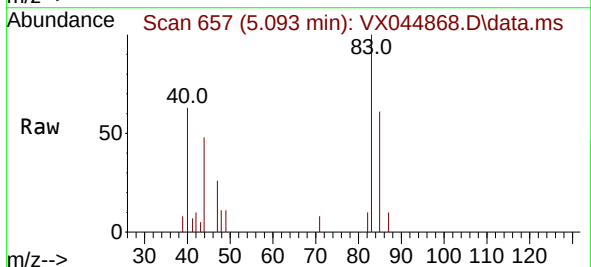
Acq: 10 Feb 2025 10:25

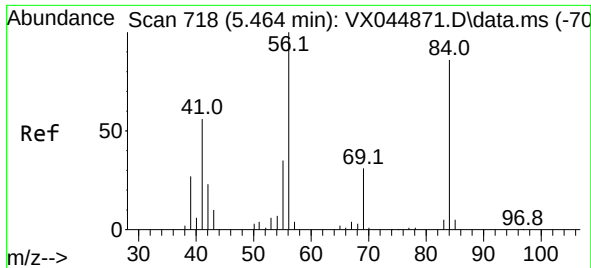
Tgt Ion: 83 Resp: 3132

Ion Ratio Lower Upper

83 100

85 60.5 52.1 78.1

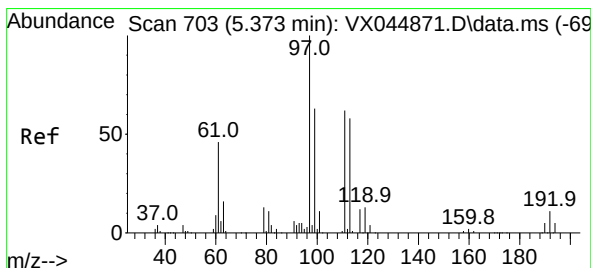
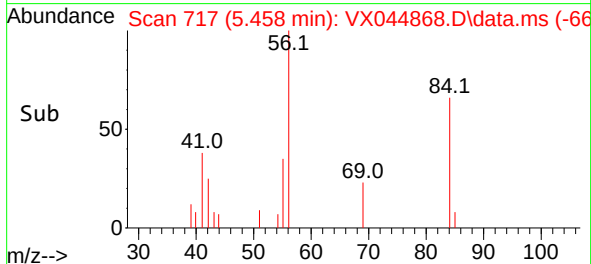
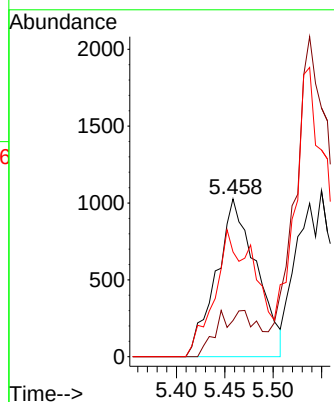
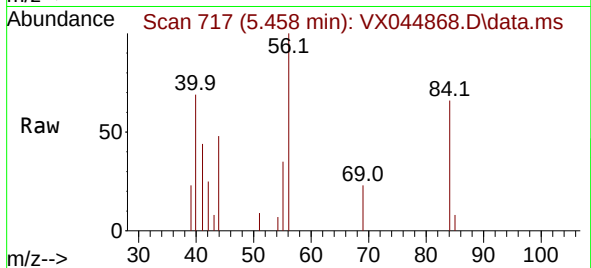




#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

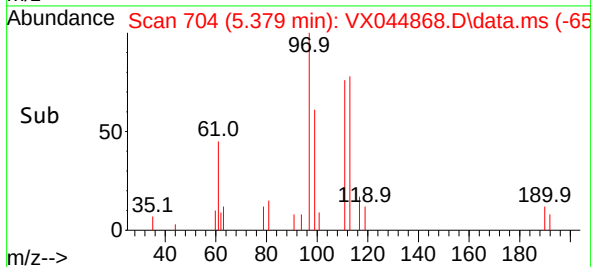
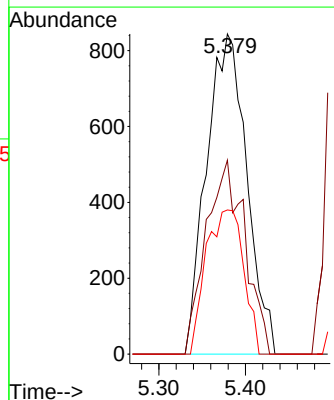
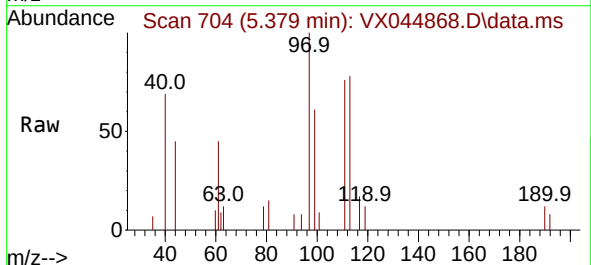
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

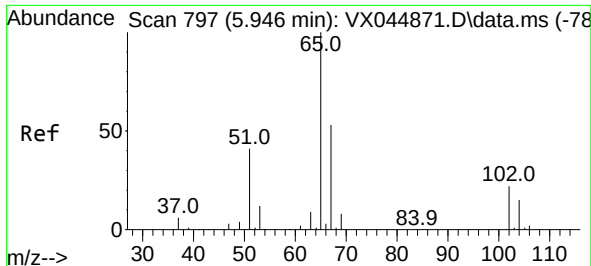
Tgt Ion: 56 Resp: 2960
Ion Ratio Lower Upper
56 100
69 23.0 24.4 36.6#
84 66.4 69.0 103.6#



#32
1,1,1-Trichloroethane
Concen: 1.000 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 97 Resp: 2721
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.6#
61 42.2 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 1.259 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

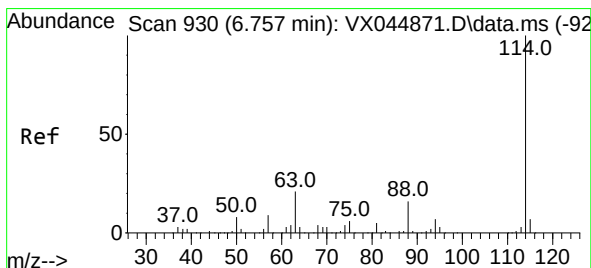
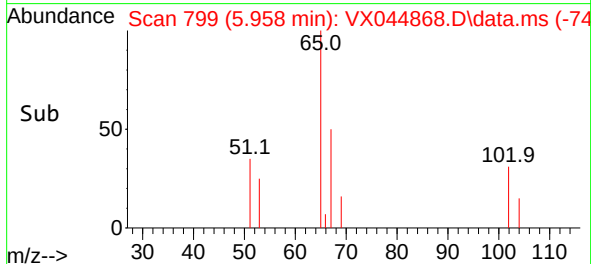
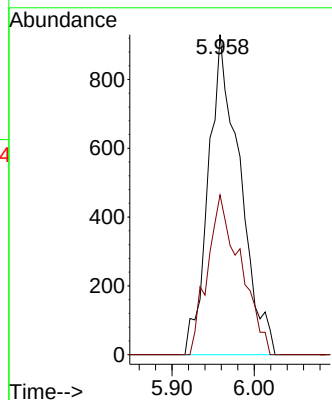
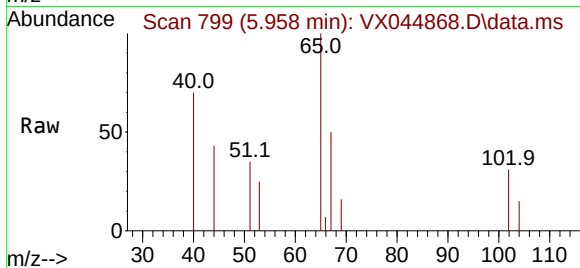
VSTDICC001

Tgt Ion: 65 Resp: 2473

Ion Ratio Lower Upper

65 100

67 52.5 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

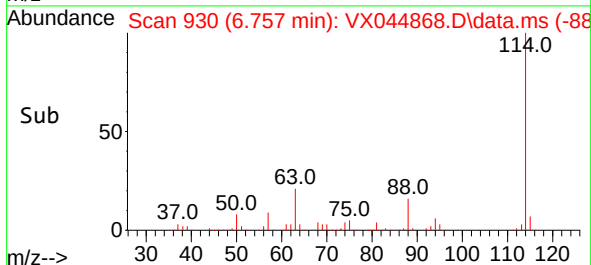
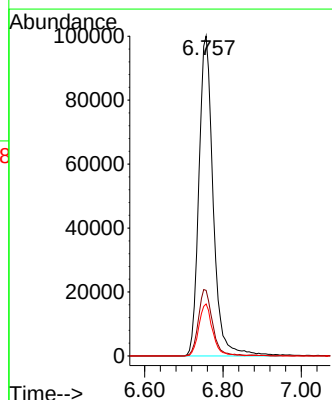
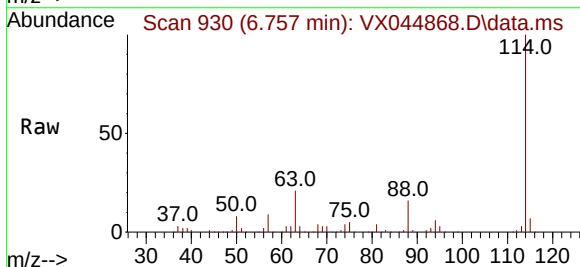
Tgt Ion: 114 Resp: 254149

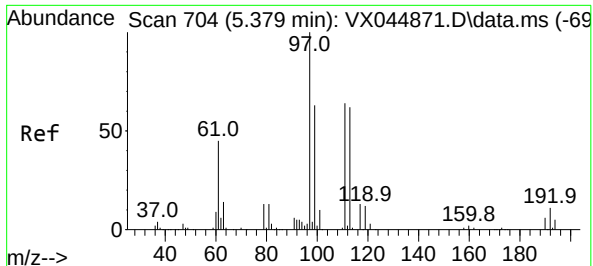
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 16.3 0.0 31.4

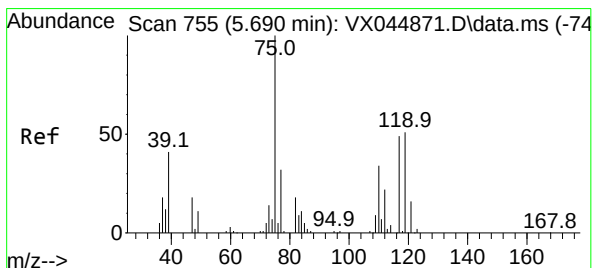
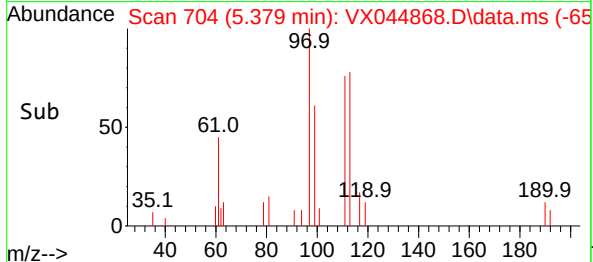
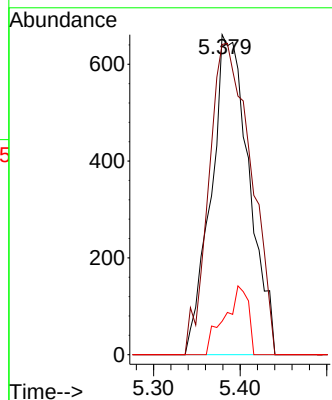
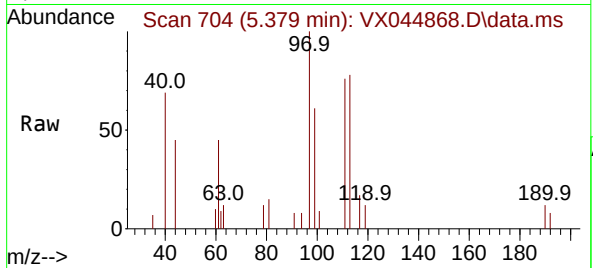




#35
Dibromofluoromethane
Concen: 1.218 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

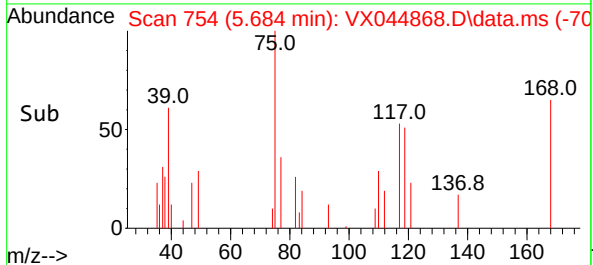
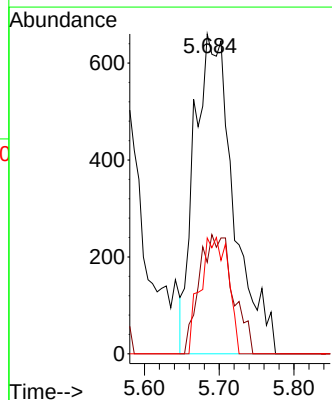
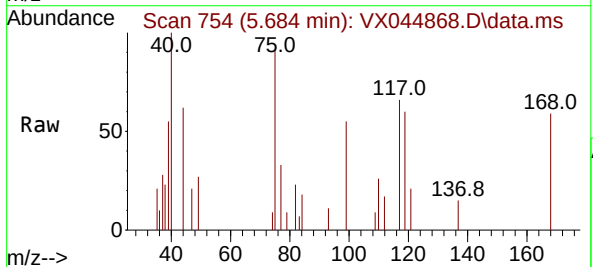
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

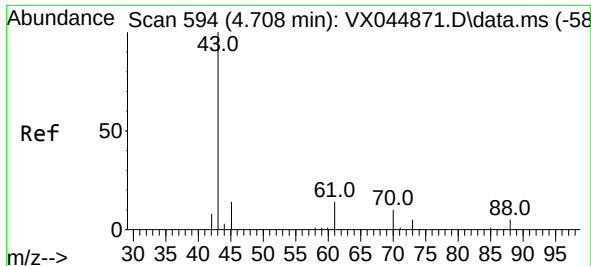
Tgt Ion:113 Resp: 2013
Ion Ratio Lower Upper
113 100
111 107.9 83.5 125.3
192 13.4 14.4 21.6#



#36
1,1-Dichloropropene
Concen: 1.006 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2399
Ion Ratio Lower Upper
75 100
110 32.1 17.2 51.6
77 26.3 24.6 37.0





#37

Ethyl Acetate

Concen: 0.379 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

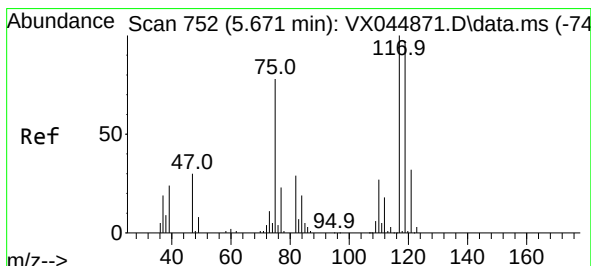
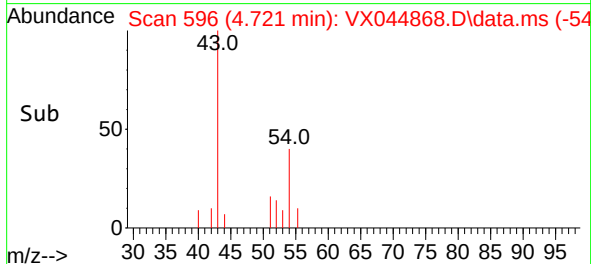
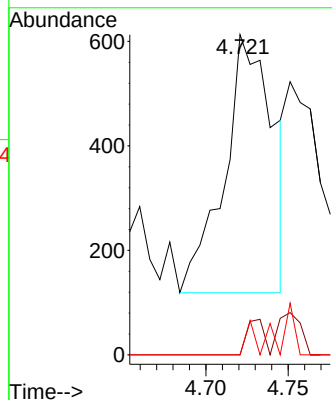
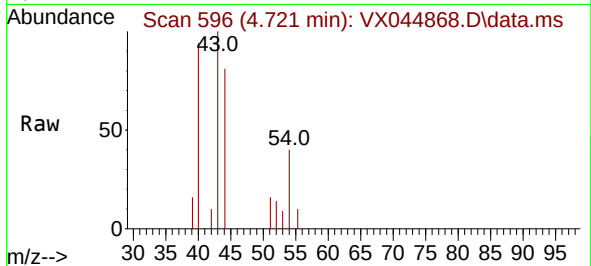
Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 2.4 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 0.994 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

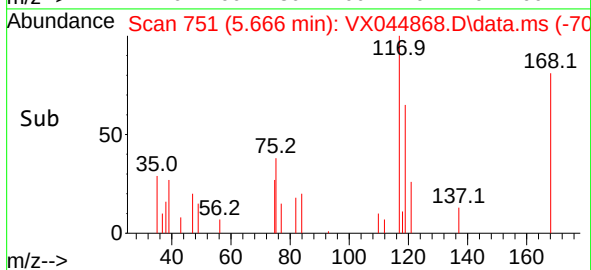
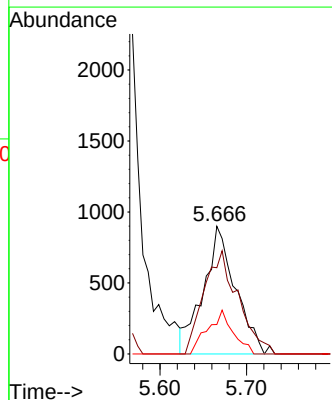
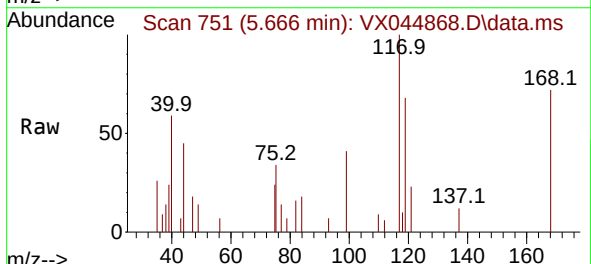
Tgt Ion: 117 Resp: 2322

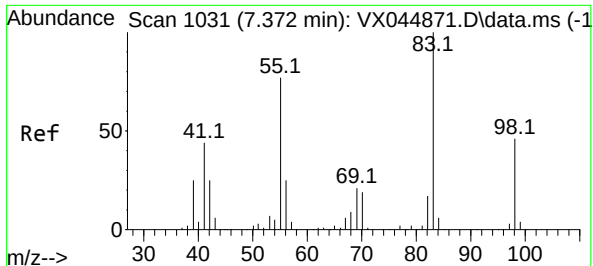
Ion Ratio Lower Upper

117 100

119 67.5 77.5 116.3#

121 23.0 25.6 38.4#





#39

Methylcyclohexane

Concen: 0.840 ug/l

RT: 7.379 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

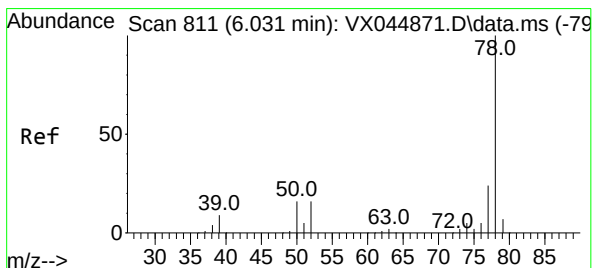
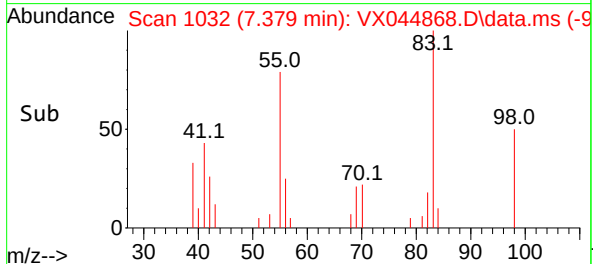
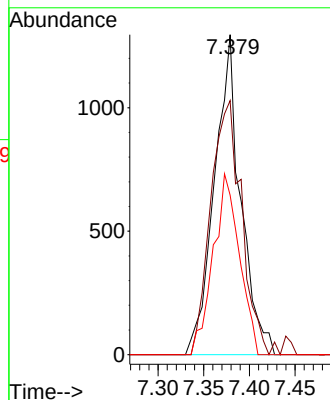
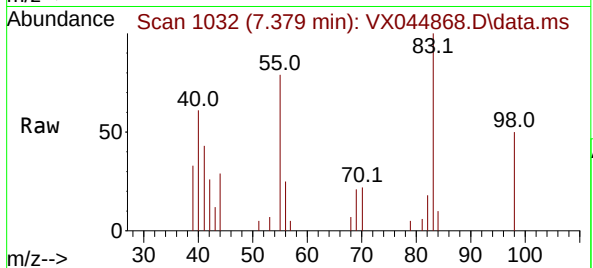
Tgt Ion: 83 Resp: 2589

Ion Ratio Lower Upper

83 100

55 79.4 61.3 91.9

98 49.8 37.0 55.6



#40

Benzene

Concen: 0.935 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX044868.D

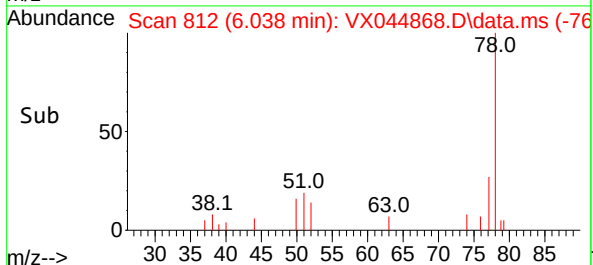
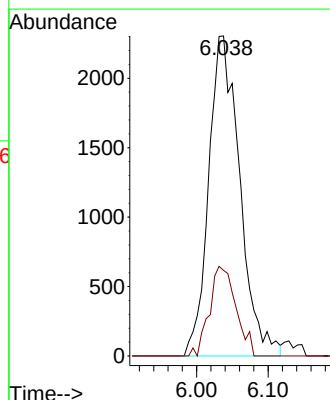
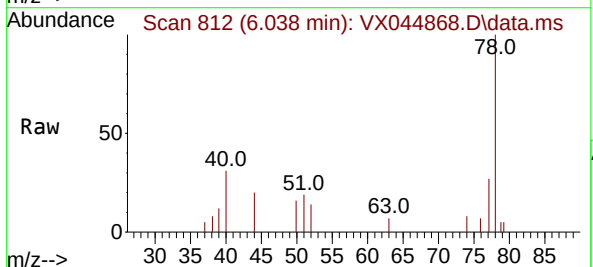
Acq: 10 Feb 2025 10:25

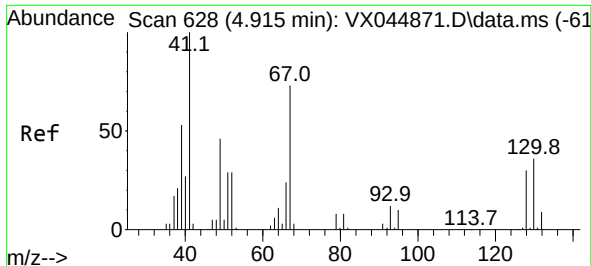
Tgt Ion: 78 Resp: 6963

Ion Ratio Lower Upper

78 100

77 26.8 19.0 28.6

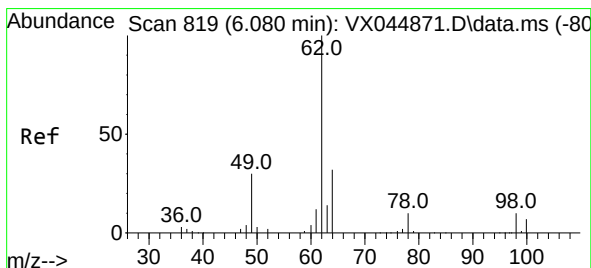
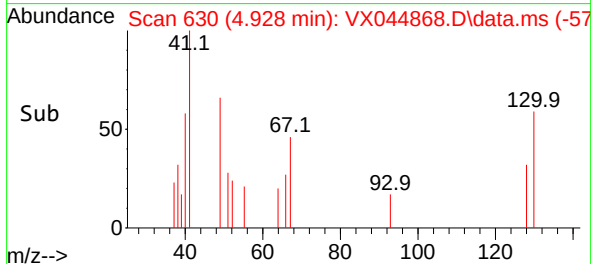
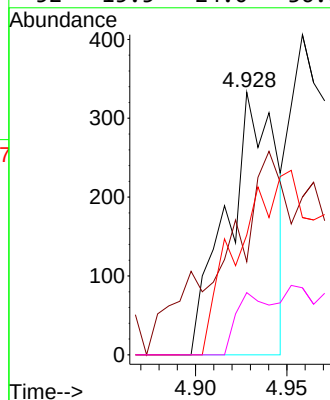
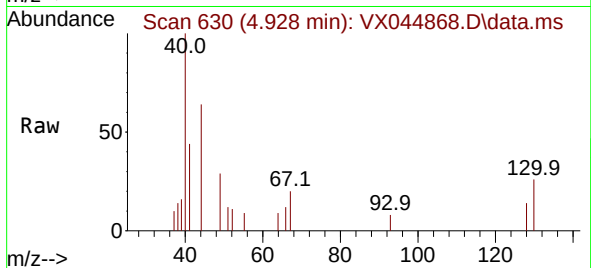




#41
Methacrylonitrile
Concen: 0.438 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

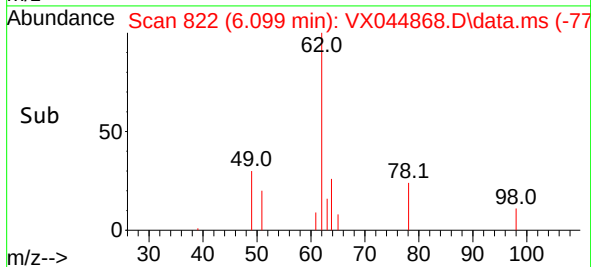
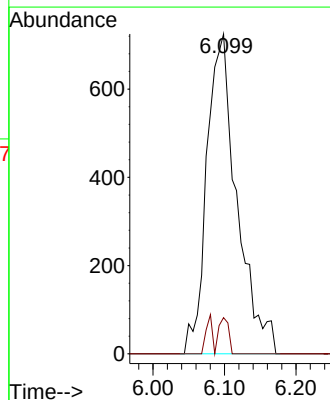
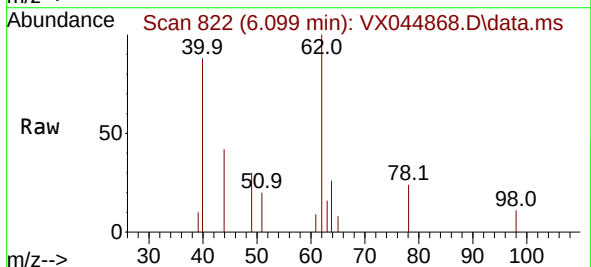
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

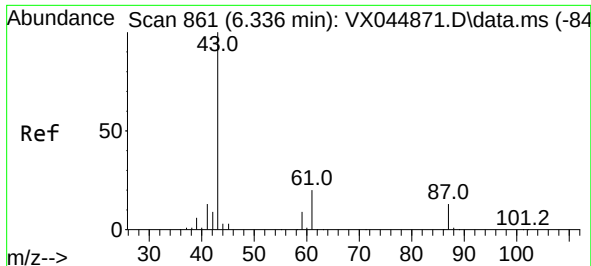
Tgt Ion:	41	Resp:	621
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	57.0	85.6#
52	15.5	24.0	36.0#



#42
1,2-Dichloroethane
Concen: 0.894 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:	62	Resp:	2120
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	19.4

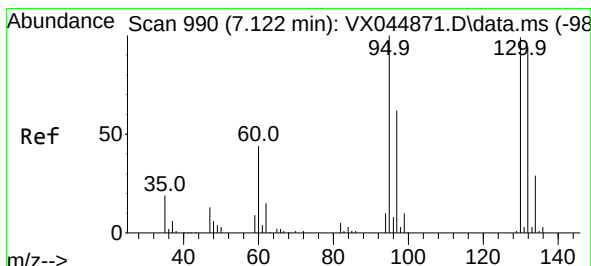
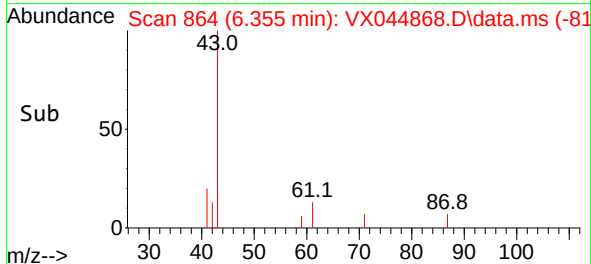
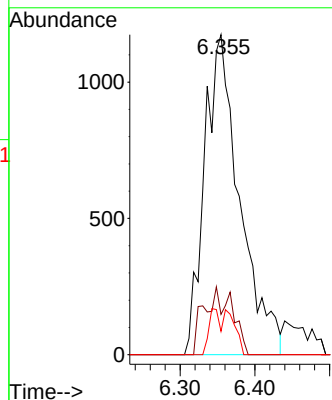
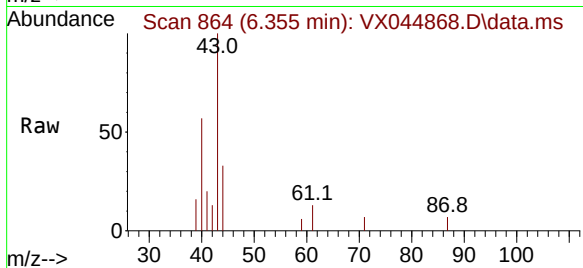




#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

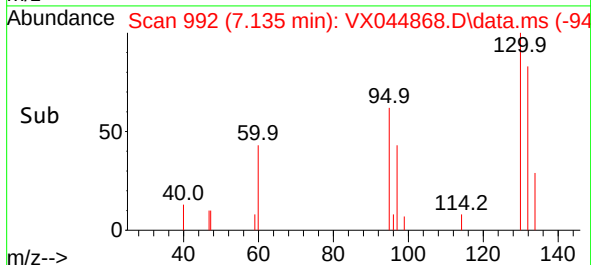
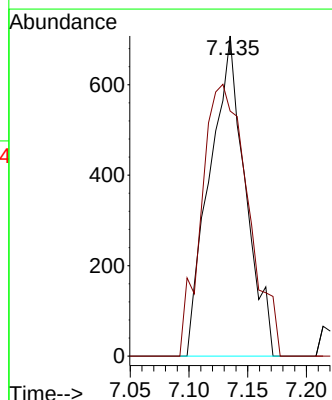
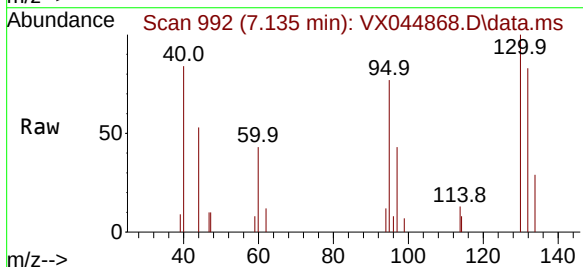
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

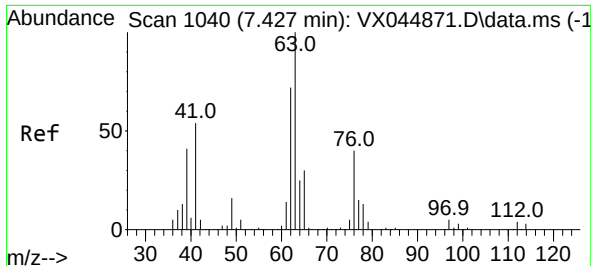
Tgt Ion: 43 Resp: 3839
Ion Ratio Lower Upper
43 100
61 16.9 15.8 23.8
87 4.6 10.0 15.0#



#44
Trichloroethene
Concen: 0.874 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:130 Resp: 1487
Ion Ratio Lower Upper
130 100
95 76.6 0.0 202.4





#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

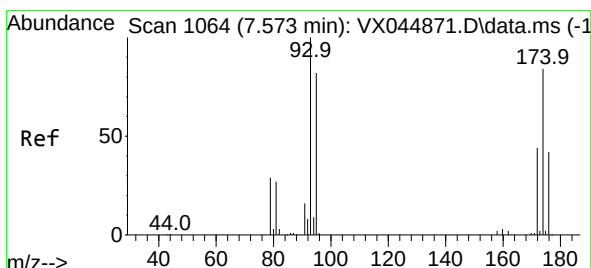
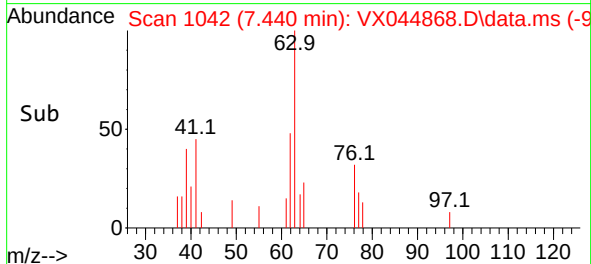
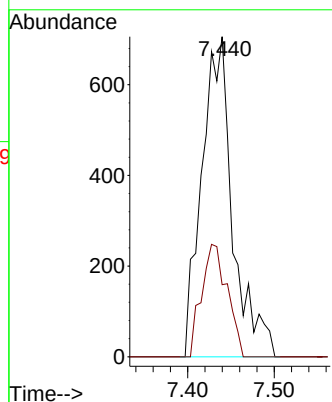
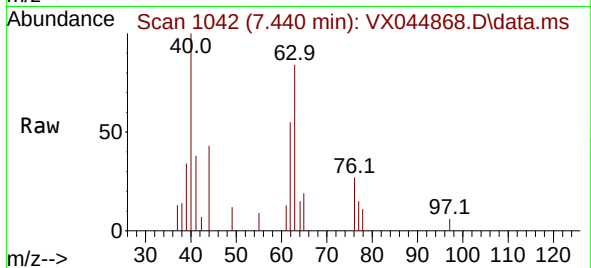
VSTDIC001

Tgt Ion: 63 Resp: 1746

Ion Ratio Lower Upper

63 100

65 22.5 24.2 36.4#



#46

Dibromomethane

Concen: 0.936 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

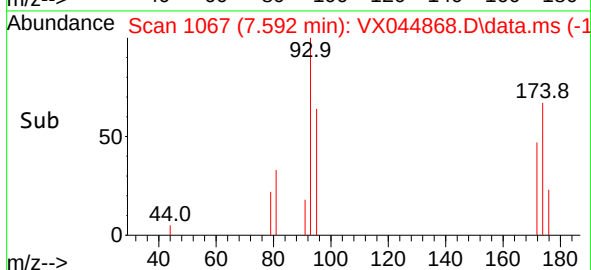
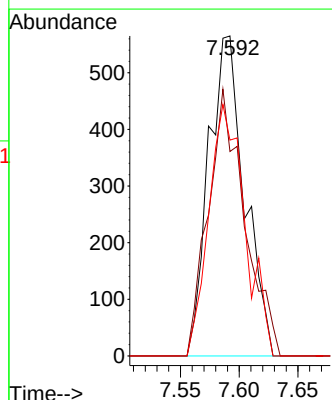
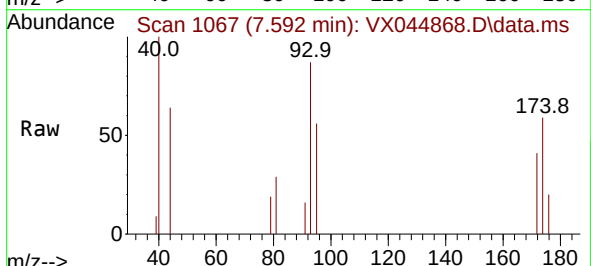
Tgt Ion: 93 Resp: 1202

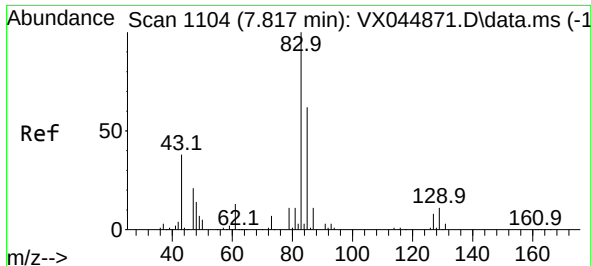
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 79.3 69.9 104.9

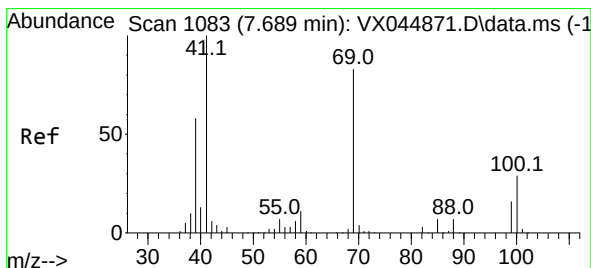
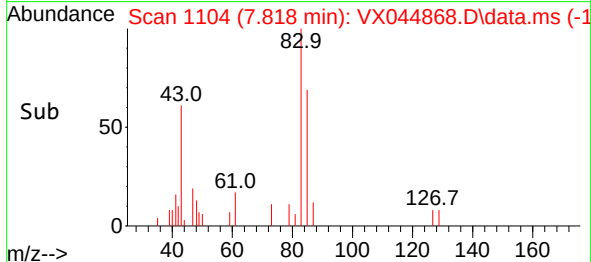
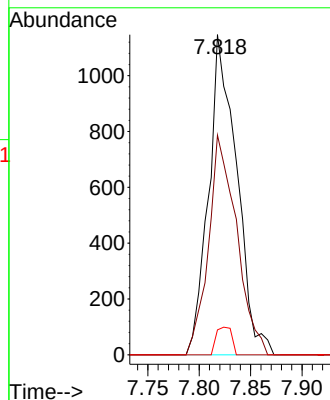
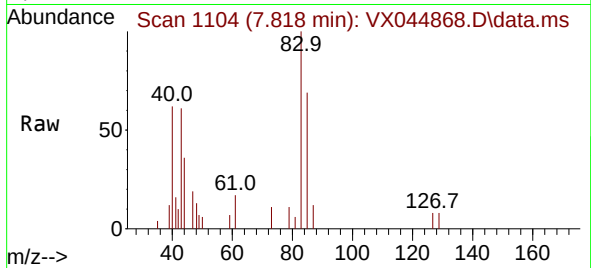




#47
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

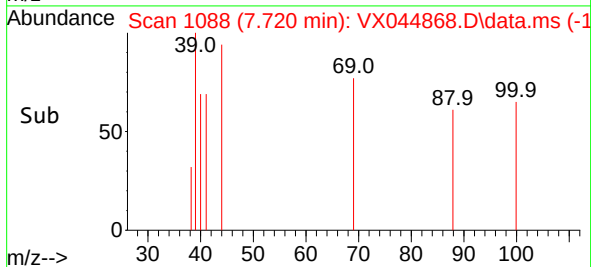
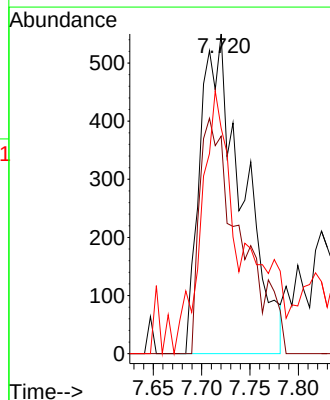
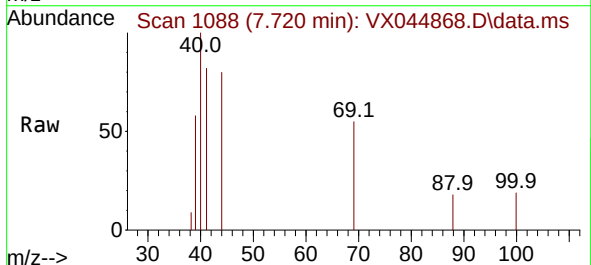
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

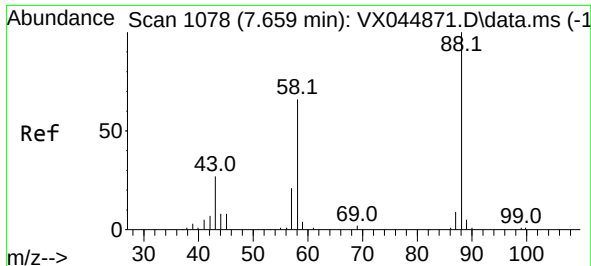
Tgt Ion:	83	Resp:	2176
Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.0	75.0
127	7.8	6.4	9.6



#48
Methyl methacrylate
Concen: 0.830 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:	41	Resp:	1675
Ion	Ratio	Lower	Upper
41	100		
69	71.8	65.8	98.8
39	55.9	46.4	69.6





#49

1,4-Dioxane

Concen: 20.015 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.037 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

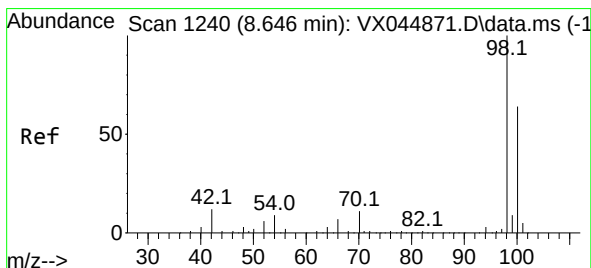
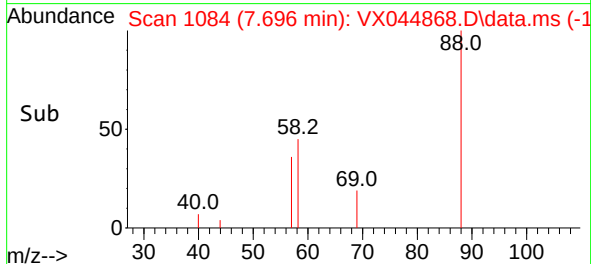
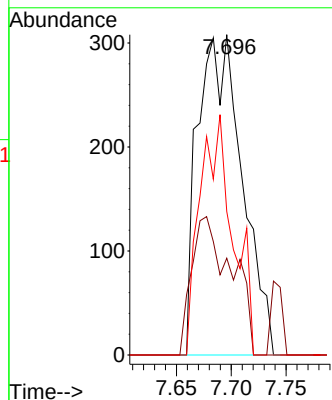
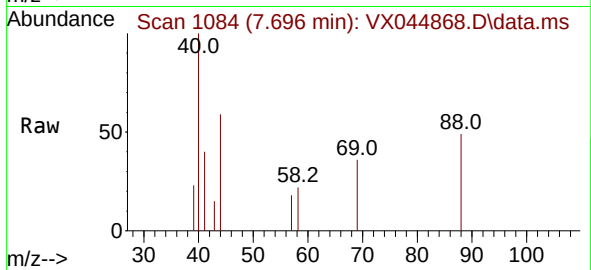
Tgt Ion: 88 Resp: 867

Ion Ratio Lower Upper

88 100

43 38.9 26.6 39.8

58 55.5 55.9 83.9#



#50

Toluene-d8

Concen: 0.991 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX044868.D

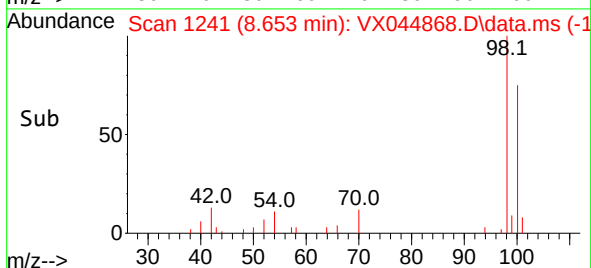
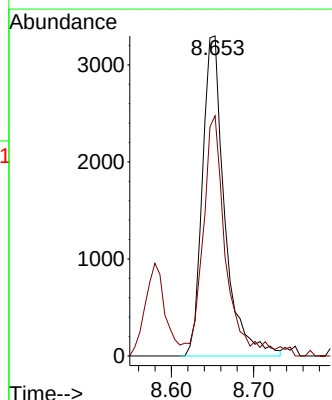
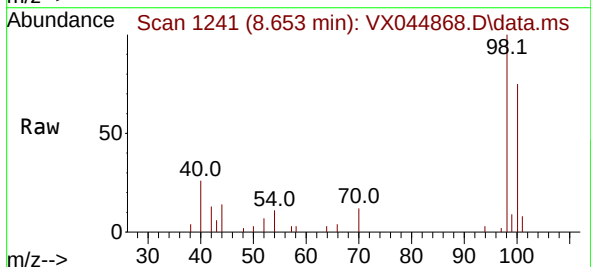
Acq: 10 Feb 2025 10:25

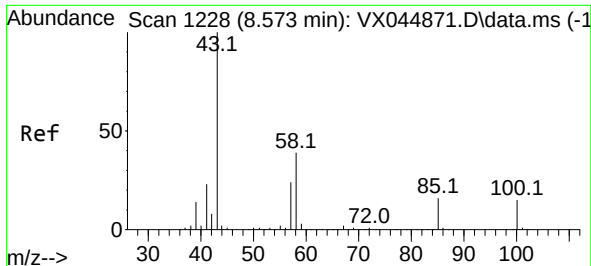
Tgt Ion: 98 Resp: 6195

Ion Ratio Lower Upper

98 100

100 70.7 52.7 79.1

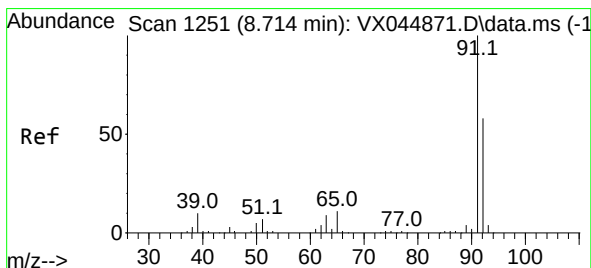
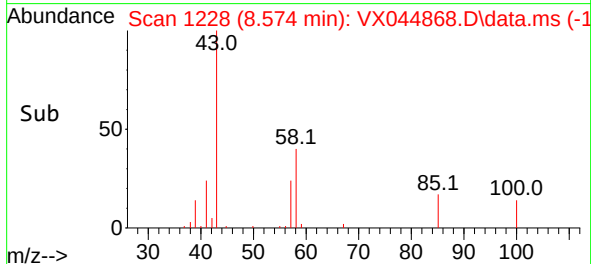
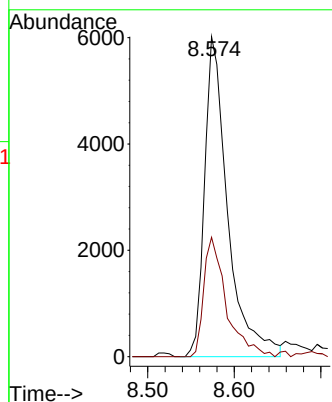
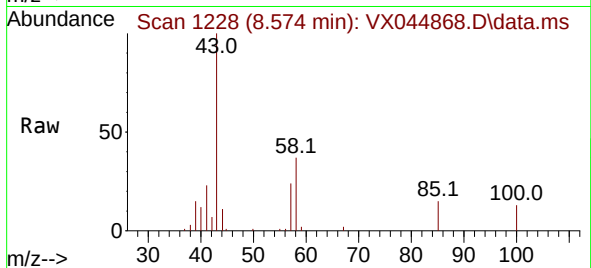




#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

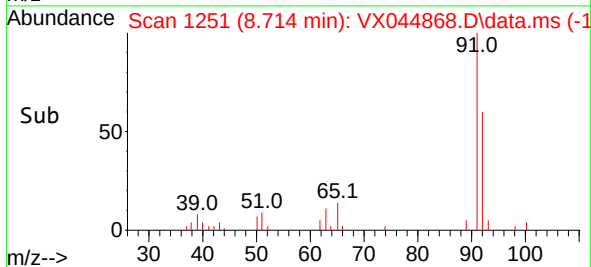
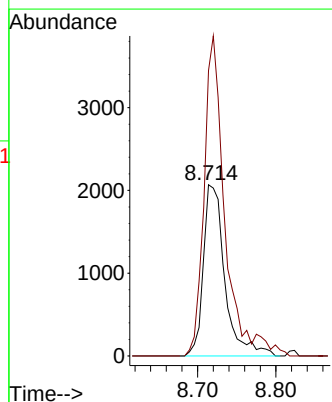
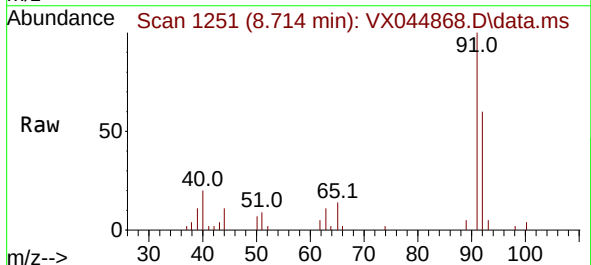
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

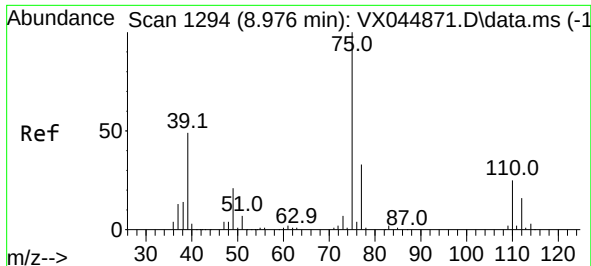
Tgt Ion: 43 Resp: 11169
Ion Ratio Lower Upper
43 100
58 36.3 30.8 46.2



#52
Toluene
Concen: 0.889 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 92 Resp: 3943
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 0.842 ug/l

RT: 8.994 min Scan# 1194

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

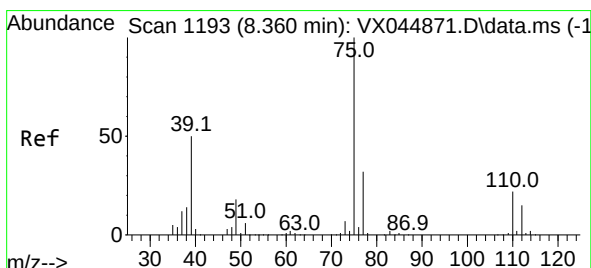
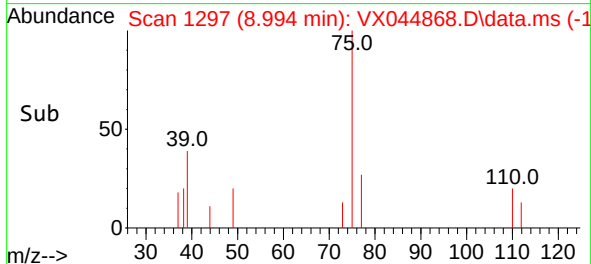
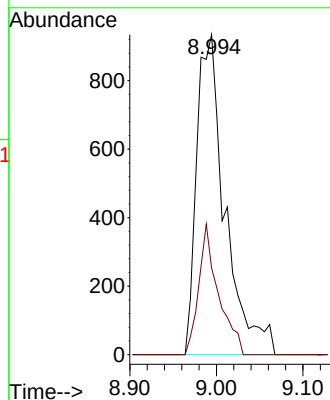
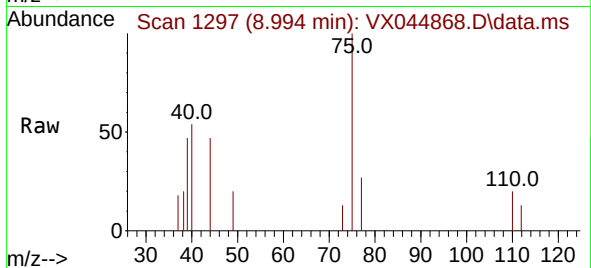
VSTDIC001

Tgt Ion: 75 Resp: 2119

Ion Ratio Lower Upper

75 100

77 27.1 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 0.820 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

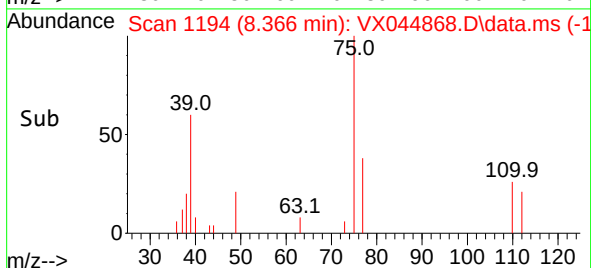
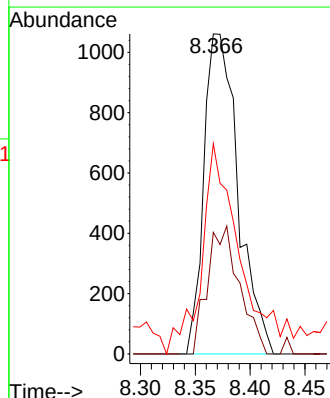
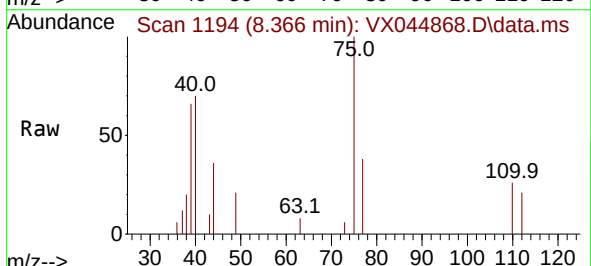
Tgt Ion: 75 Resp: 2300

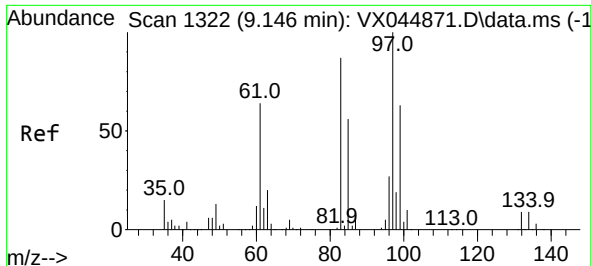
Ion Ratio Lower Upper

75 100

77 38.0 25.3 37.9#

39 60.3 40.0 60.0#



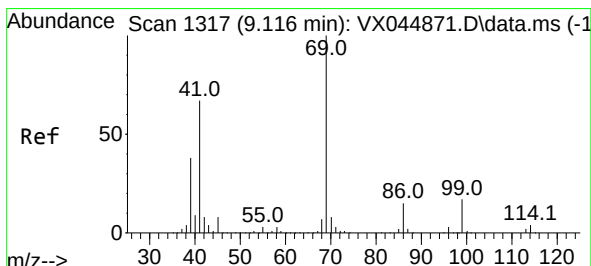
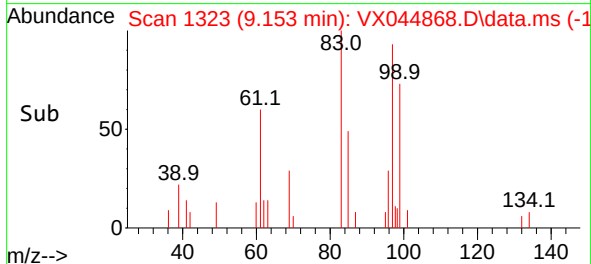
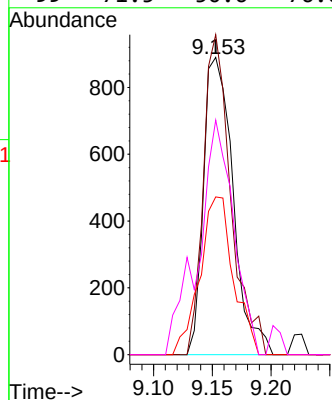
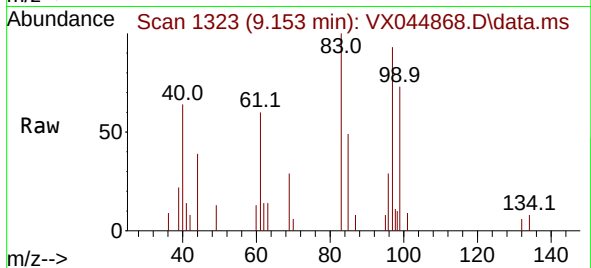


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1558

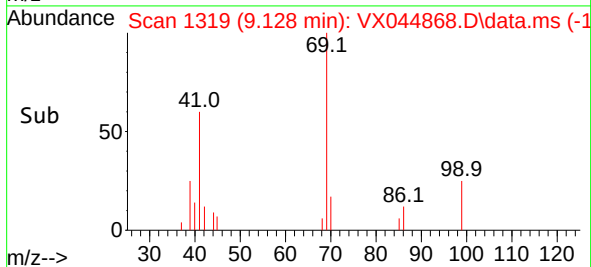
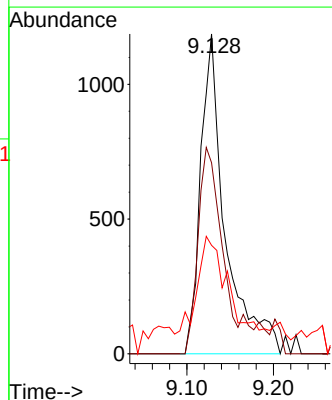
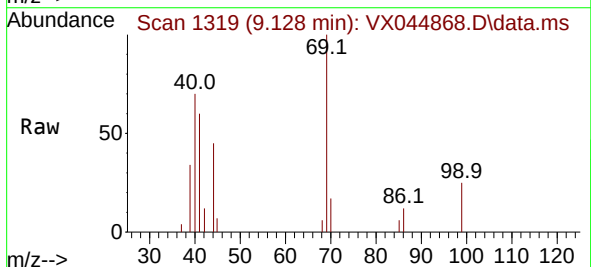
Ion	Ratio	Lower	Upper
97	100		
83	107.6	69.8	104.6#
85	53.0	44.8	67.2
99	71.5	50.6	76.0

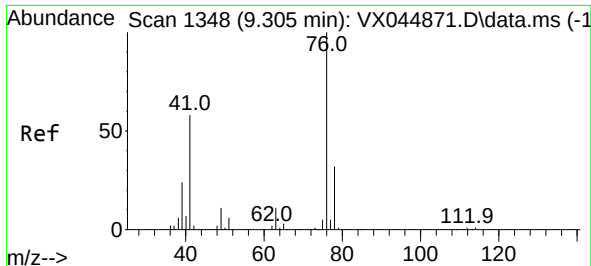


#56
Ethyl methacrylate
Concen: 0.852 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 69 Resp: 2346

Ion	Ratio	Lower	Upper
69	100		
41	61.6	55.2	82.8
39	56.2	30.8	46.2#





#57

1,3-Dichloropropane

Concen: 0.905 ug/l

RT: 9.311 min Scan# 1175

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

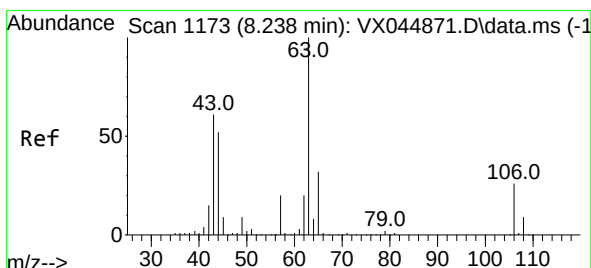
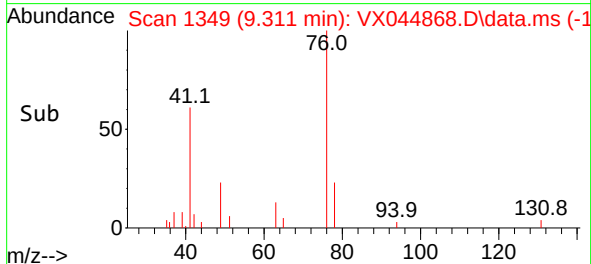
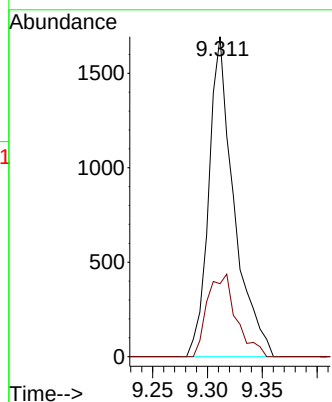
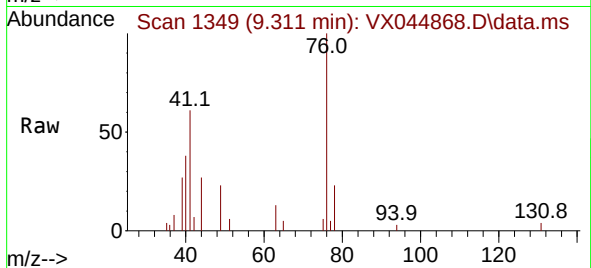
VSTDIC001

Tgt Ion: 76 Resp: 2699

Ion Ratio Lower Upper

76 100

78 29.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 3.996 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.013 min

Lab File: VX044868.D

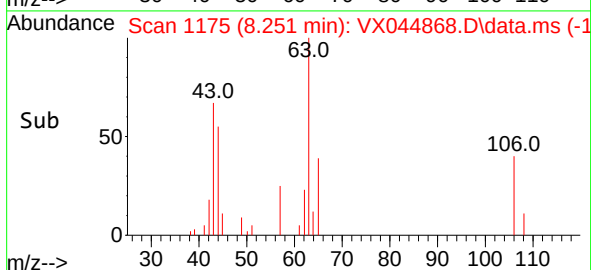
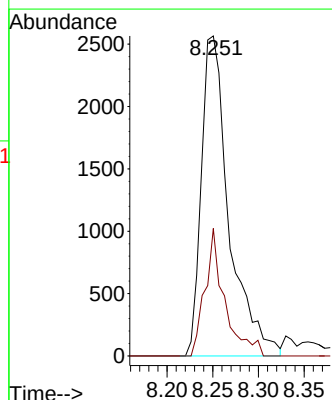
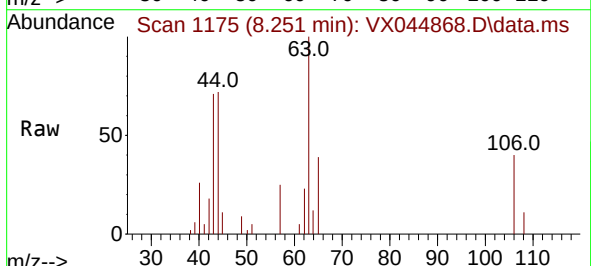
Acq: 10 Feb 2025 10:25

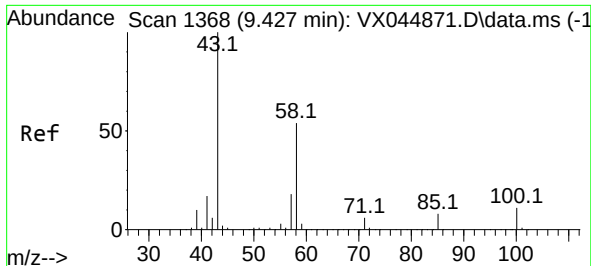
Tgt Ion: 63 Resp: 5401

Ion Ratio Lower Upper

63 100

106 28.2 21.3 31.9





#59

2-Hexanone

Concen: 4.240 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

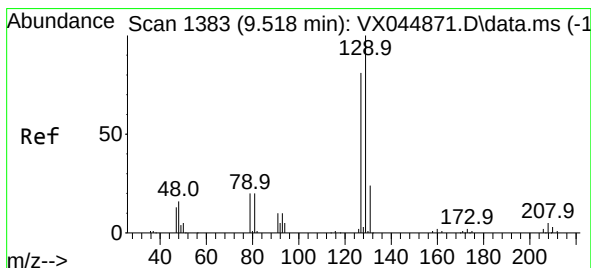
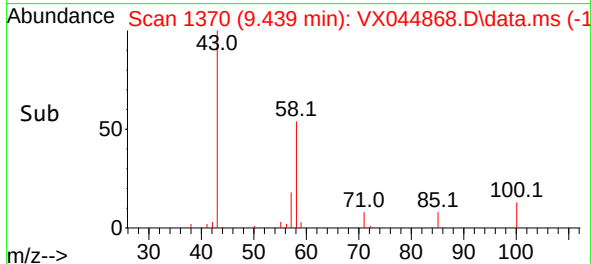
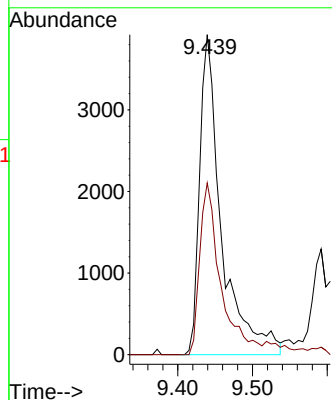
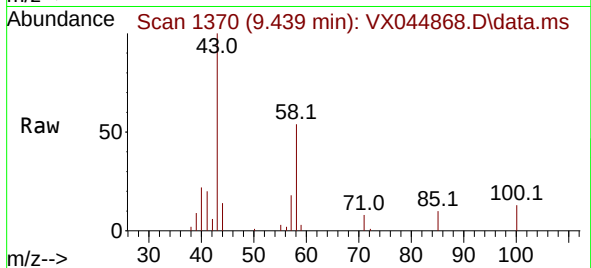
VSTDIC001

Tgt Ion: 43 Resp: 7952

Ion Ratio Lower Upper

43 100

58 51.3 27.5 82.4



#60

Dibromochloromethane

Concen: 0.885 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX044868.D

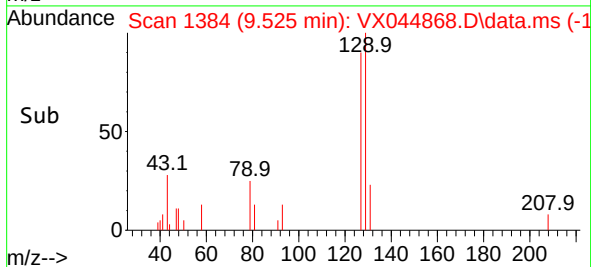
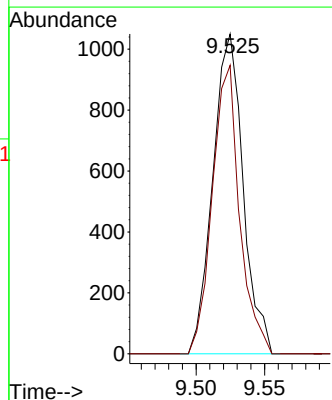
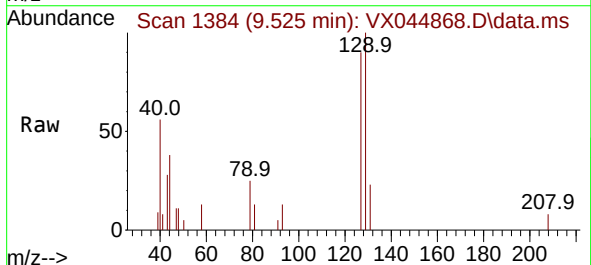
Acq: 10 Feb 2025 10:25

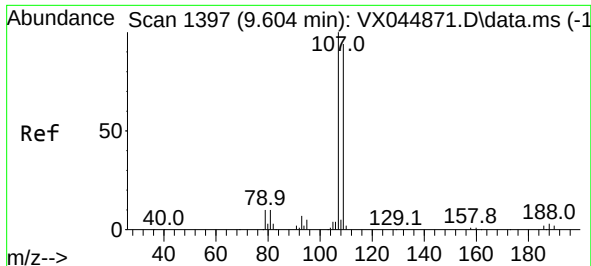
Tgt Ion: 129 Resp: 1613

Ion Ratio Lower Upper

129 100

127 81.3 39.1 117.3

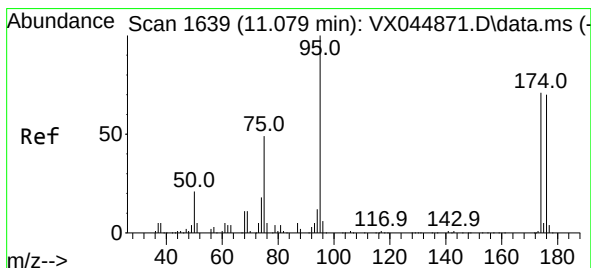
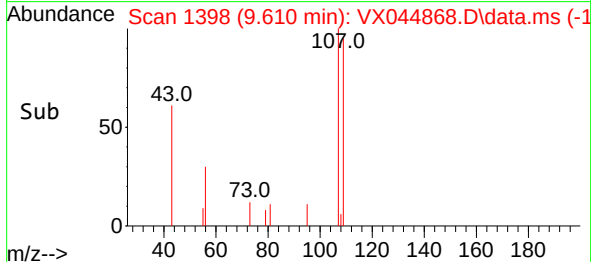
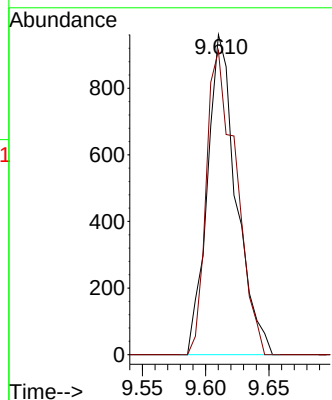
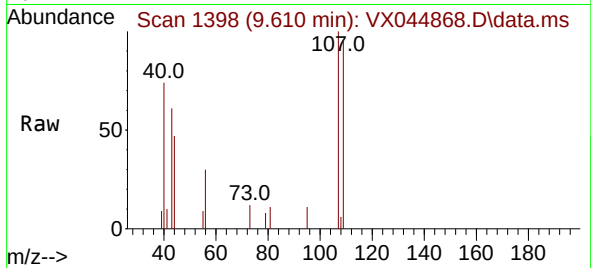




#61
1,2-Dibromoethane
Concen: 0.888 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

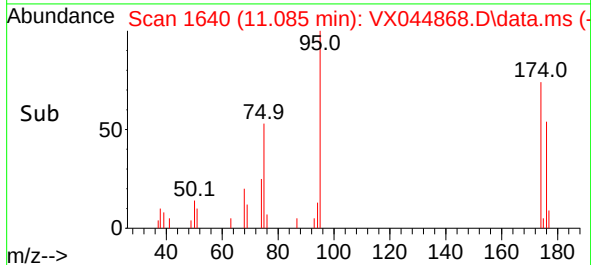
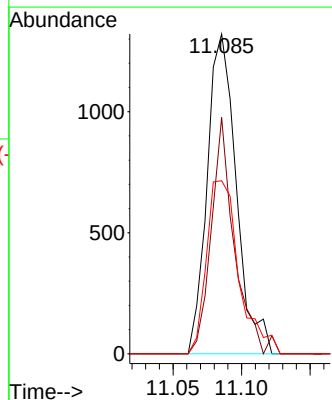
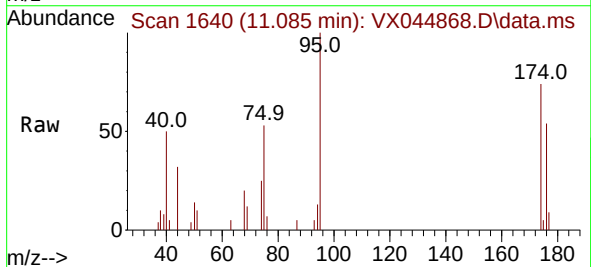
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

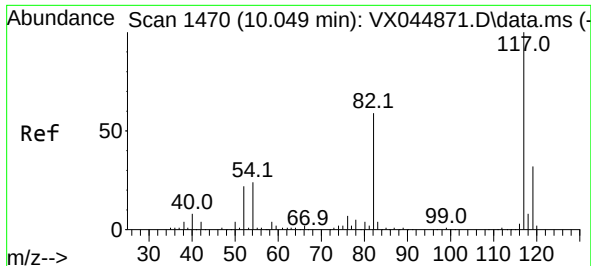
Tgt Ion:107 Resp: 1534
Ion Ratio Lower Upper
107 100
109 97.4 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 0.926 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 95 Resp: 1950
Ion Ratio Lower Upper
95 100
174 58.8 0.0 142.6
176 60.5 0.0 141.6

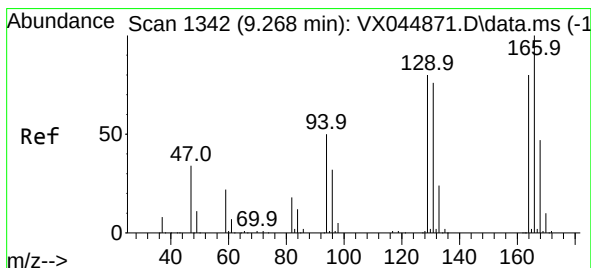
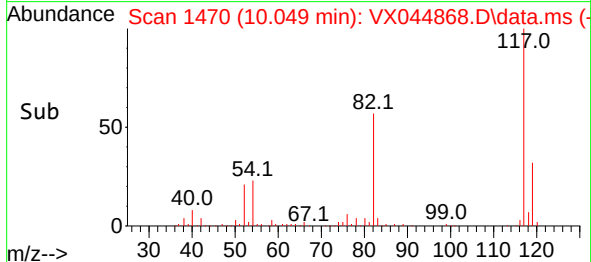
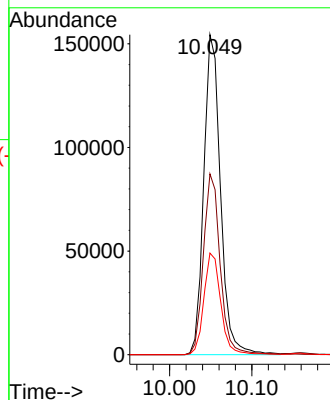
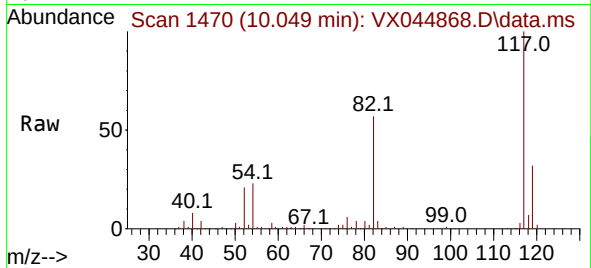




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

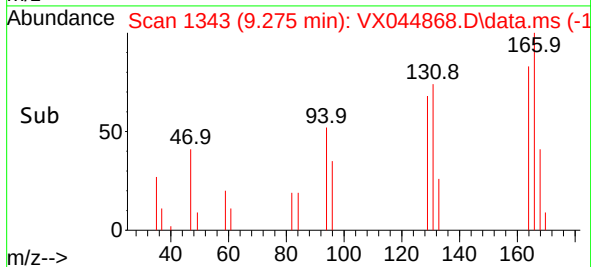
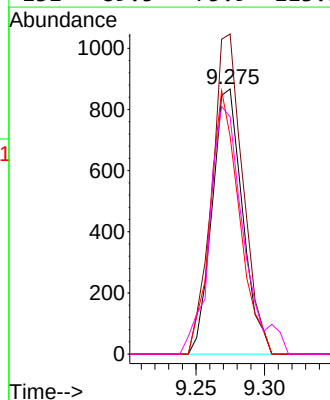
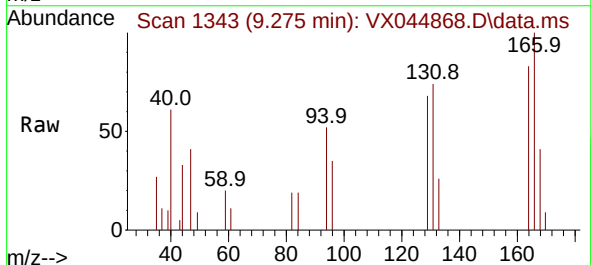
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

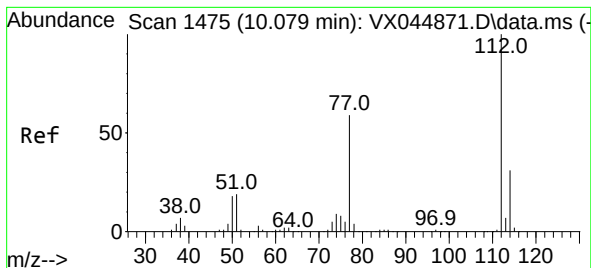
Tgt Ion:117 Resp: 218570
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 0.971 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:164 Resp: 1339
Ion Ratio Lower Upper
164 100
166 120.8 100.4 150.6
129 82.1 79.9 119.9
131 89.5 75.9 113.9

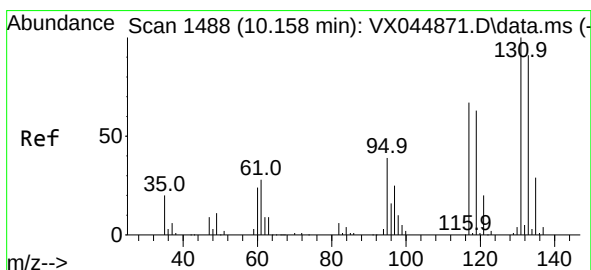
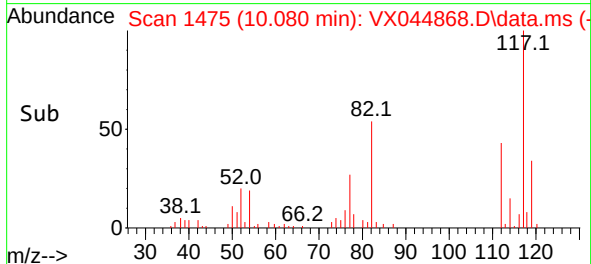
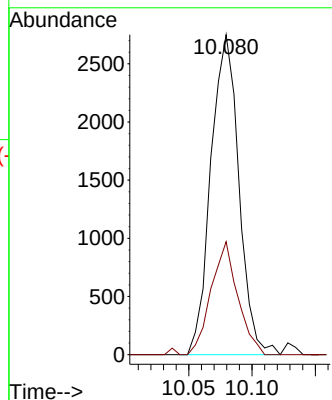
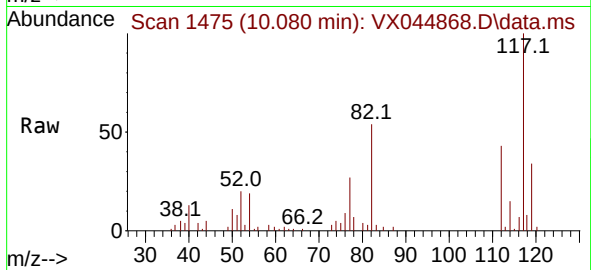




#65
Chlorobenzene
Concen: 0.902 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

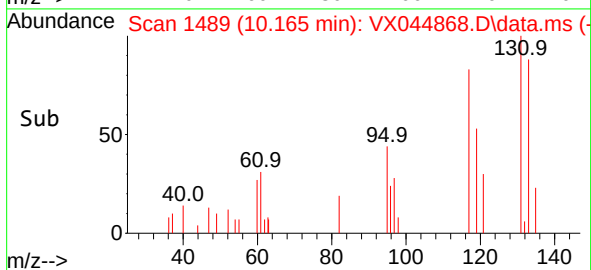
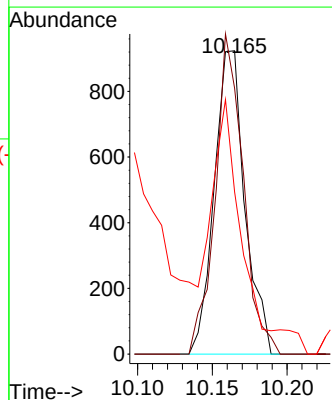
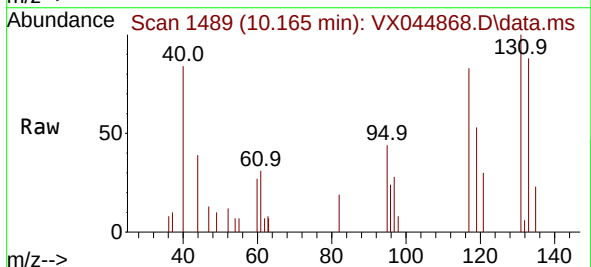
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

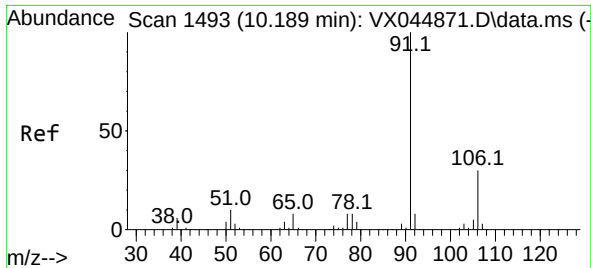
Tgt Ion:112 Resp: 4234
Ion Ratio Lower Upper
112 100
114 35.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:131 Resp: 1320
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.3
119 0.0 33.6 100.6#





#67

Ethyl Benzene

Concen: 0.892 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

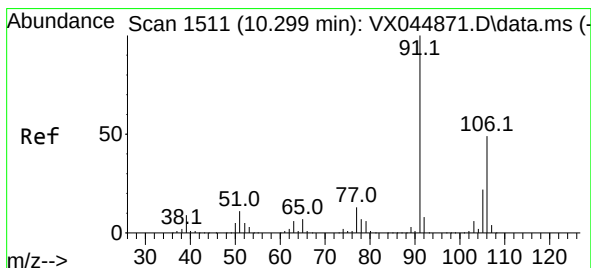
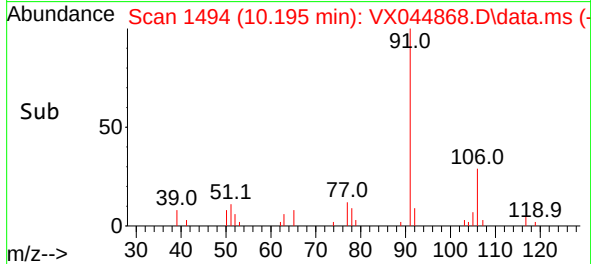
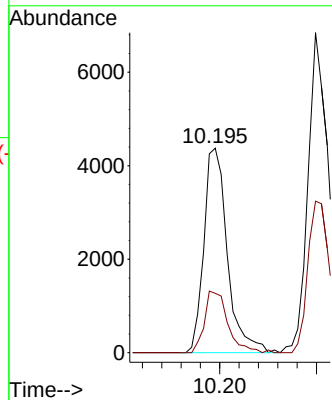
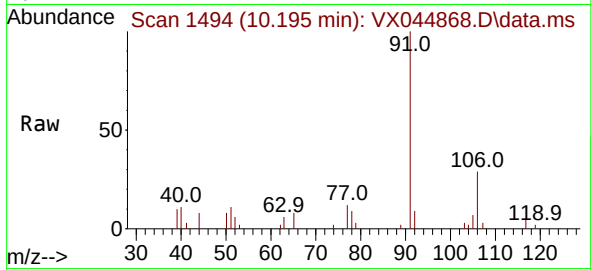
VSTDIC001

Tgt Ion: 91 Resp: 7388

Ion Ratio Lower Upper

91 100

106 29.0 23.9 35.9



#68

m/p-Xylenes

Concen: 1.763 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044868.D

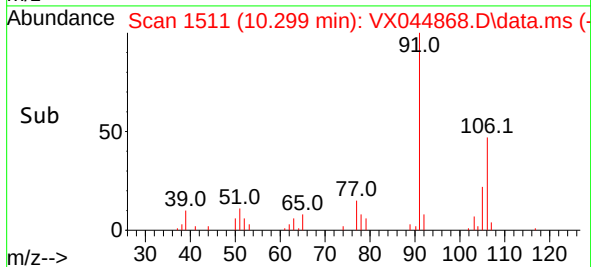
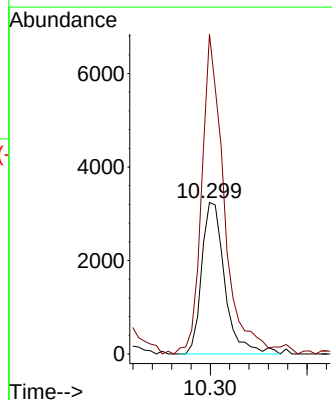
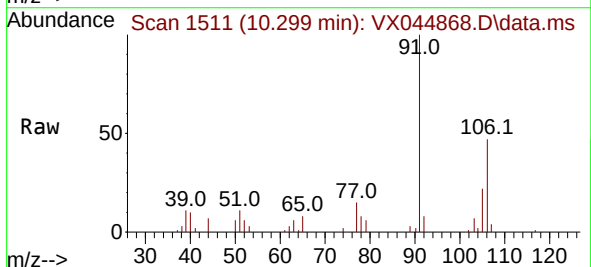
Acq: 10 Feb 2025 10:25

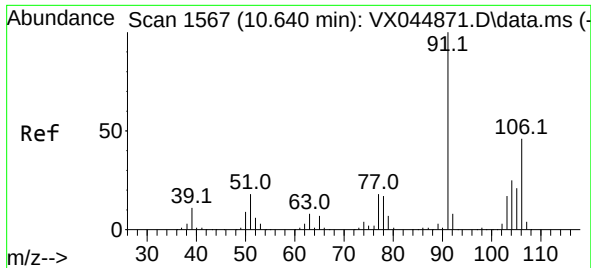
Tgt Ion: 106 Resp: 5387

Ion Ratio Lower Upper

106 100

91 204.7 164.3 246.5

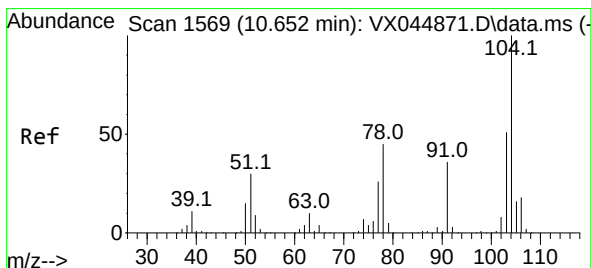
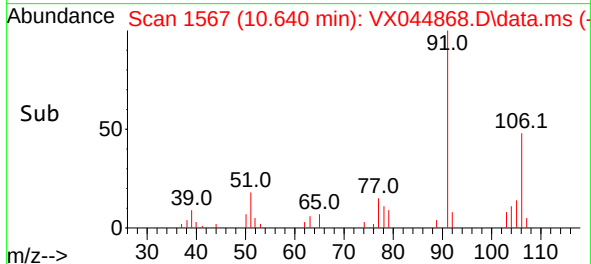
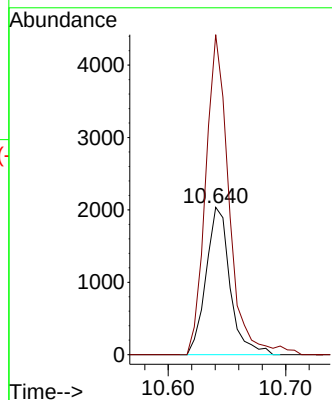
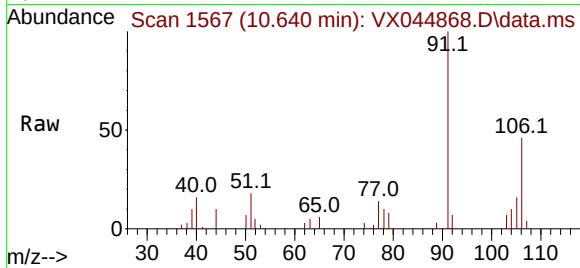




#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

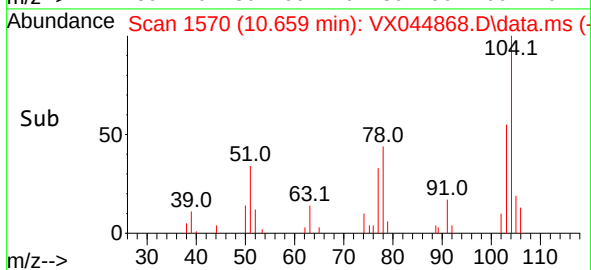
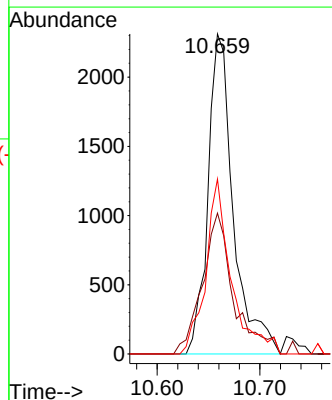
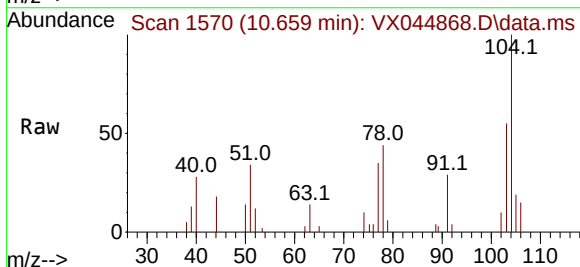
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

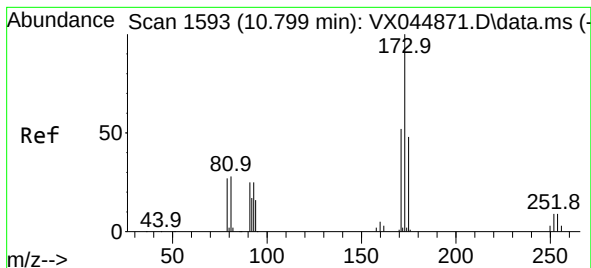
Tgt Ion:106 Resp: 2889
Ion Ratio Lower Upper
106 100
91 211.5 108.5 325.5



#70
Styrene
Concen: 0.804 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:104 Resp: 3974
Ion Ratio Lower Upper
104 100
78 54.1 40.5 60.7
103 55.0 43.6 65.4





#71

Bromoform

Concen: 0.721 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

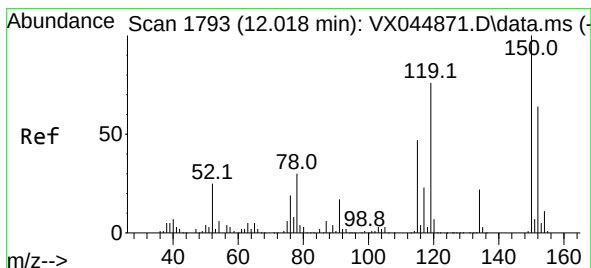
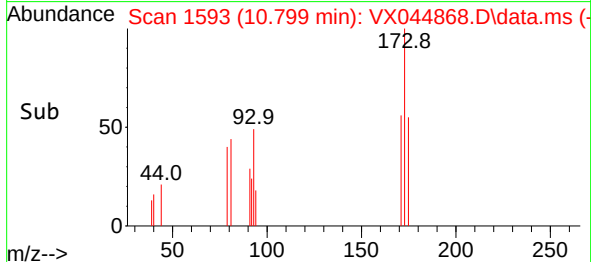
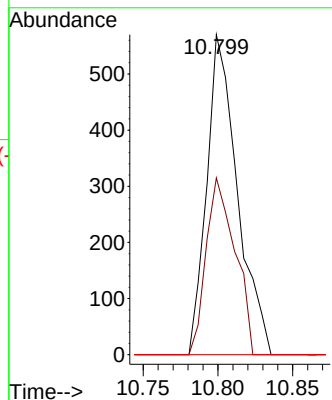
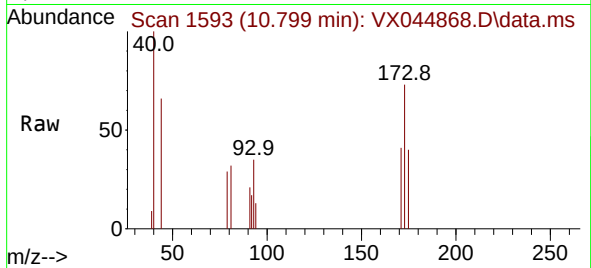
Tgt Ion:173 Resp: 813

Ion Ratio Lower Upper

173 100

175 52.2 24.3 72.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

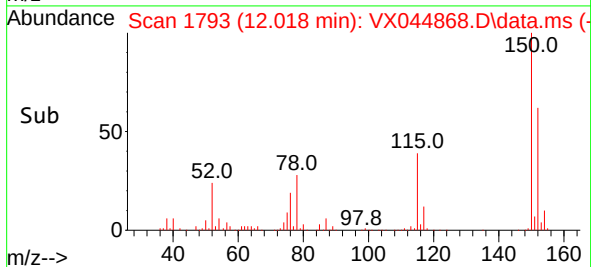
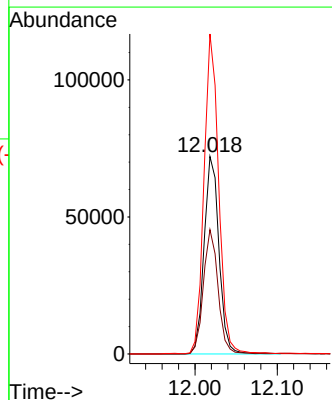
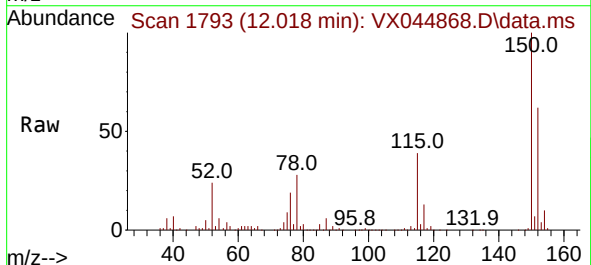
Tgt Ion:152 Resp: 90733

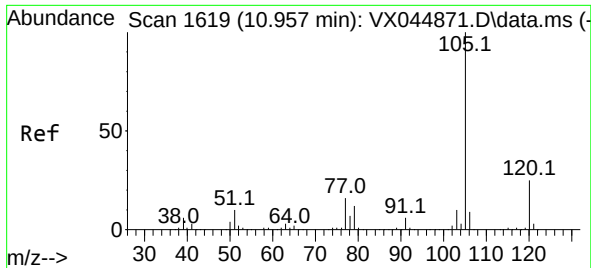
Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.1

150 158.6 0.0 350.4

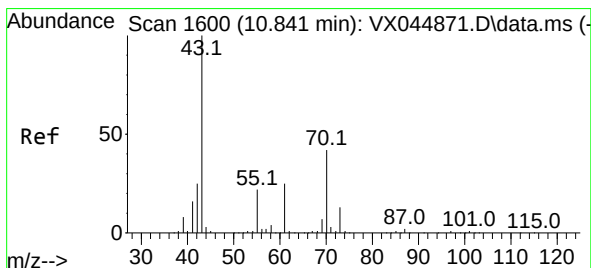
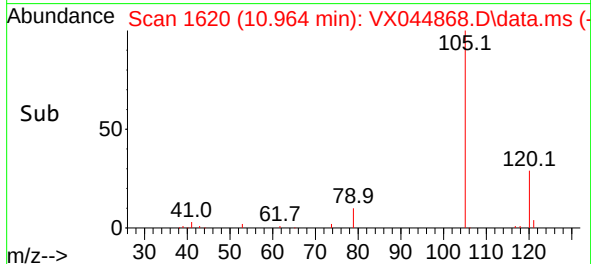
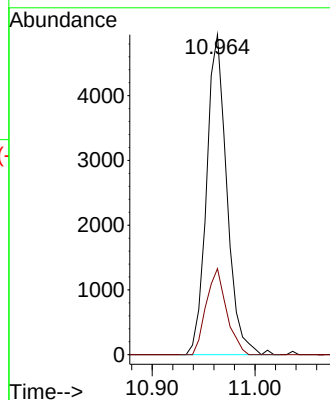
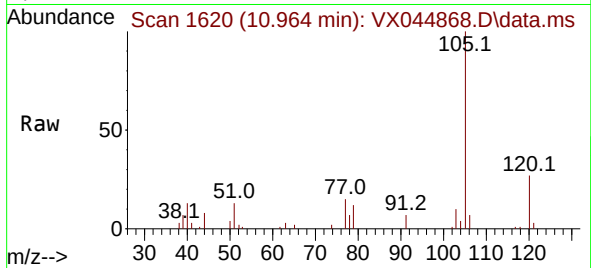




#73
Isopropylbenzene
Concen: 0.928 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

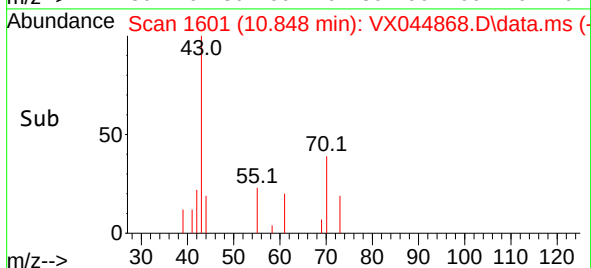
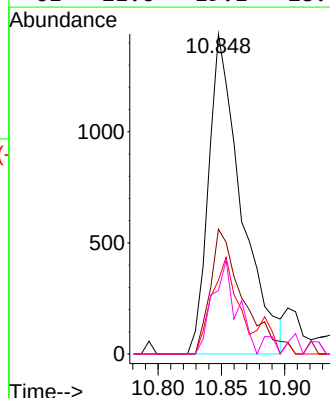
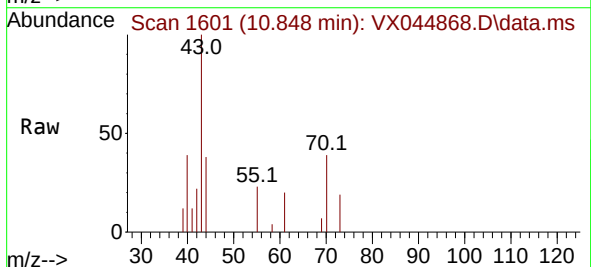
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

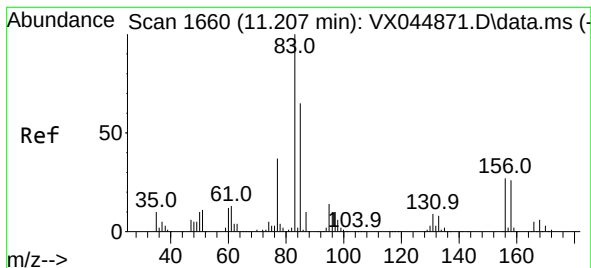
Tgt Ion:105 Resp: 6778
Ion Ratio Lower Upper
105 100
120 27.0 13.2 39.5



#74
N-ethyl acetate
Concen: 0.785 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2596
Ion Ratio Lower Upper
43 100
70 38.8 33.7 50.5
55 25.2 18.6 27.8
61 21.6 19.1 28.7

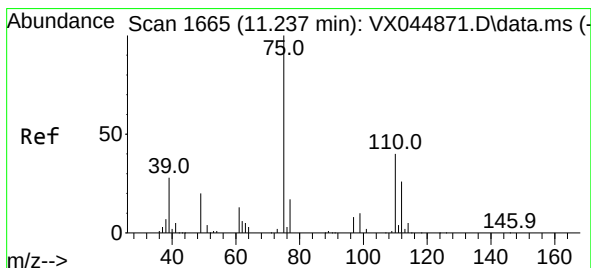
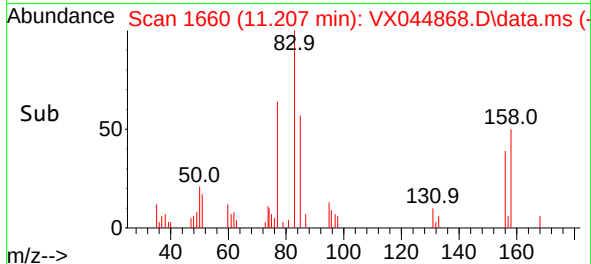
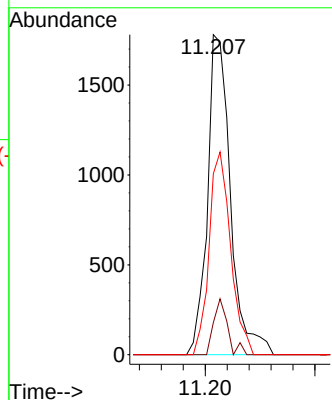
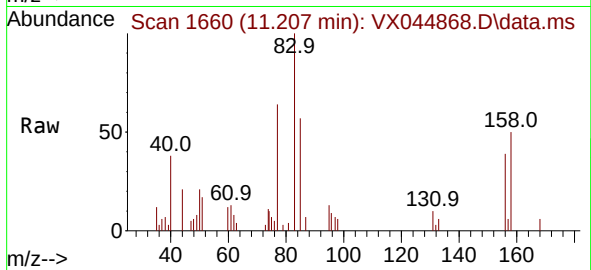




#75
1,1,2,2-Tetrachloroethane
Concen: 1.033 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

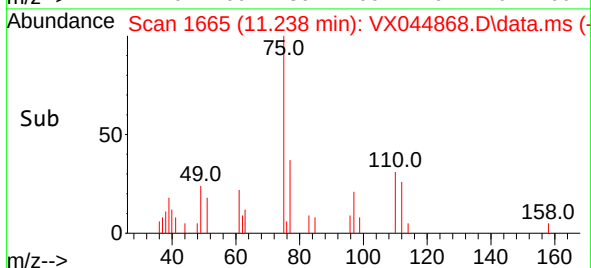
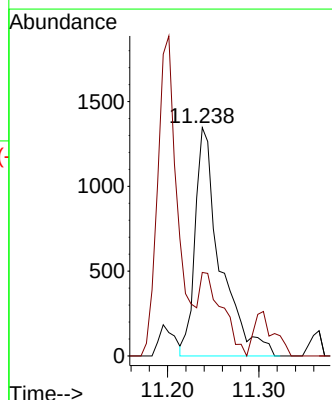
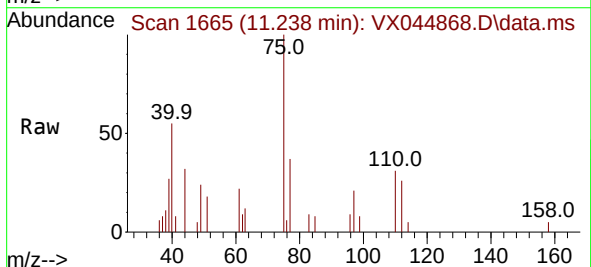
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

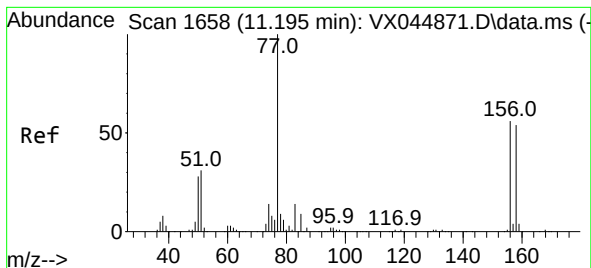
Tgt Ion: 83 Resp: 2594
Ion Ratio Lower Upper
83 100
131 10.5 4.5 13.5
85 59.2 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 1.276 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2567
Ion Ratio Lower Upper
75 100
77 32.1 21.9 65.7





#77

Bromobenzene

Concen: 0.928 ug/l

RT: 11.201 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

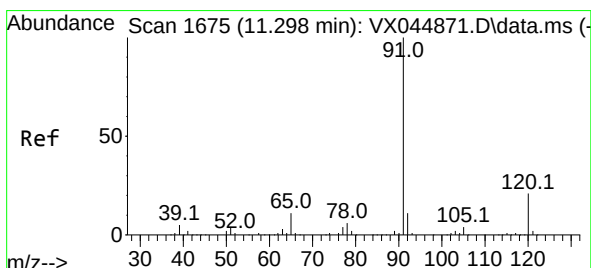
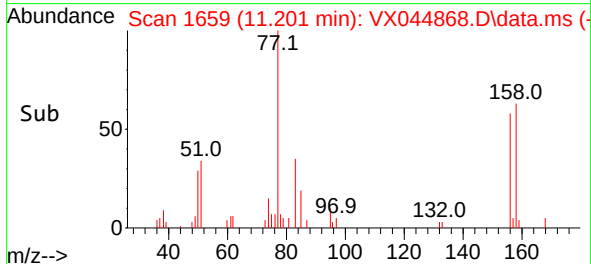
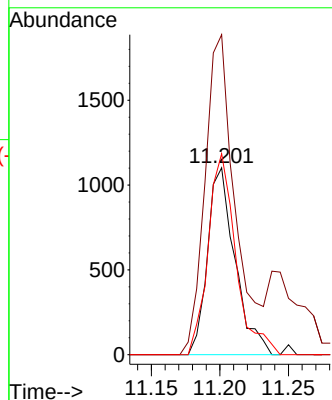
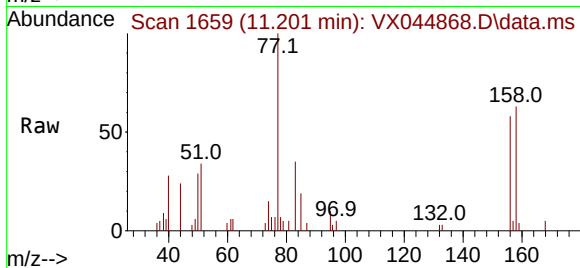
Tgt Ion:156 Resp: 1537

Ion Ratio Lower Upper

156 100

77 188.7 88.4 265.3

158 108.6 48.4 145.2



#78

n-propylbenzene

Concen: 0.871 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.007 min

Lab File: VX044868.D

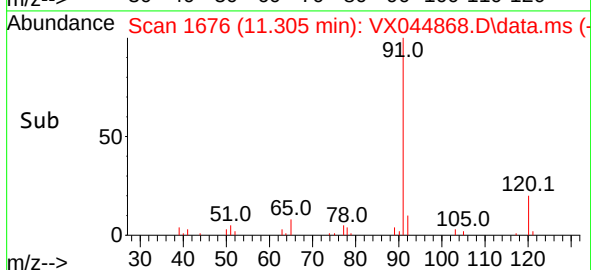
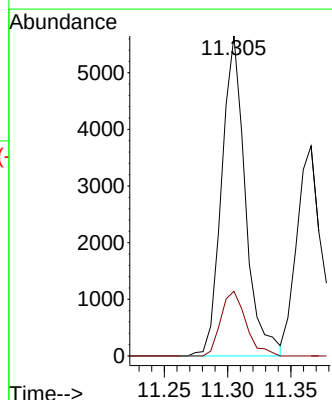
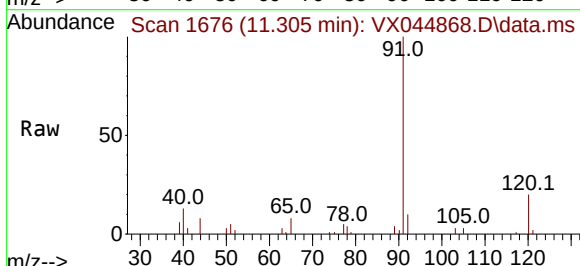
Acq: 10 Feb 2025 10:25

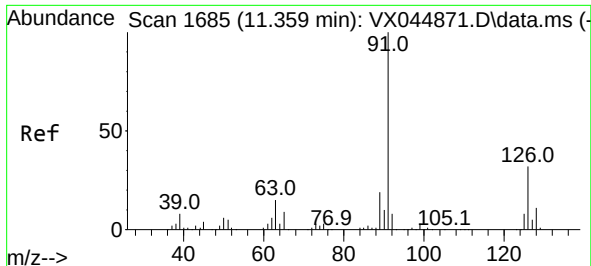
Tgt Ion: 91 Resp: 7347

Ion Ratio Lower Upper

91 100

120 21.4 11.1 33.3

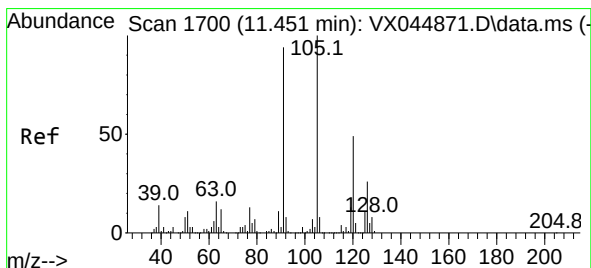
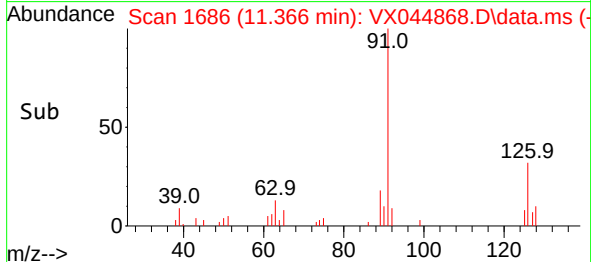
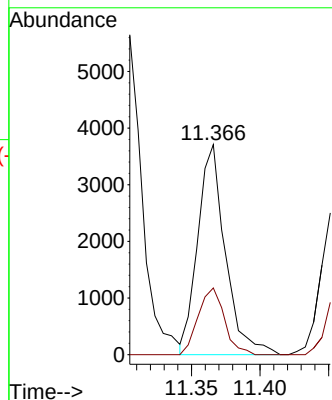
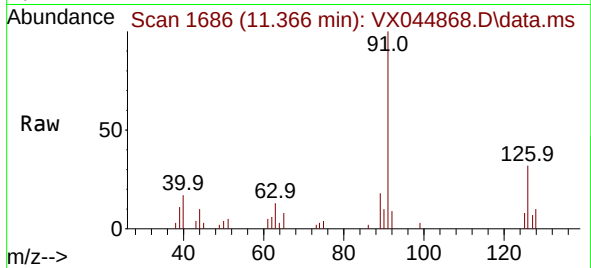




#79
2-Chlorotoluene
Concen: 1.001 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

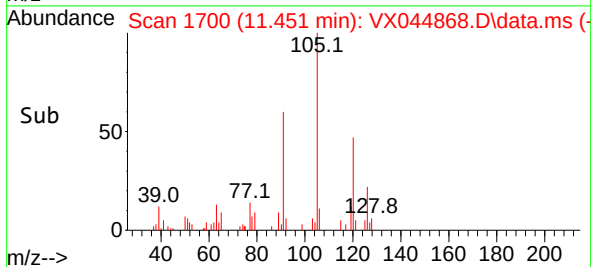
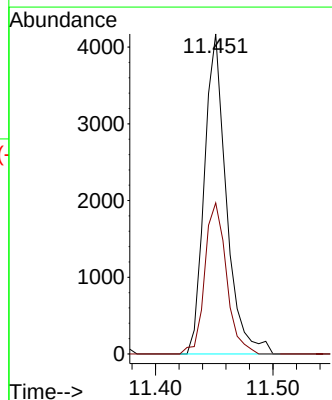
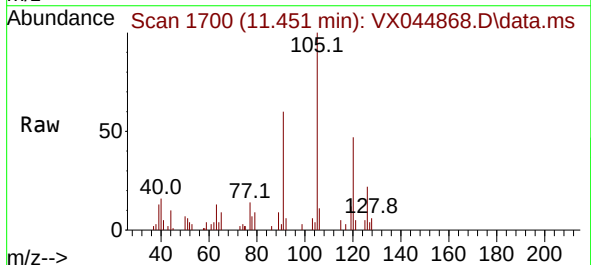
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

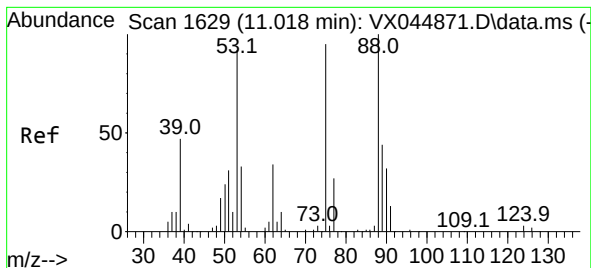
Tgt Ion: 91 Resp: 5188
Ion Ratio Lower Upper
91 100
126 30.1 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 0.913 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 105 Resp: 5410
Ion Ratio Lower Upper
105 100
120 46.7 24.0 72.0

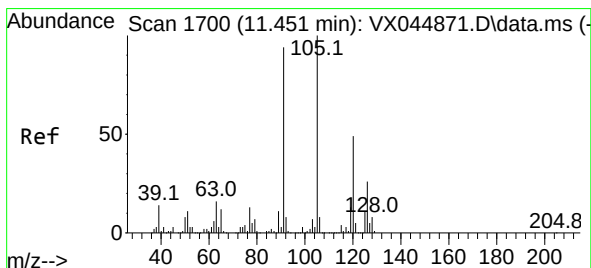
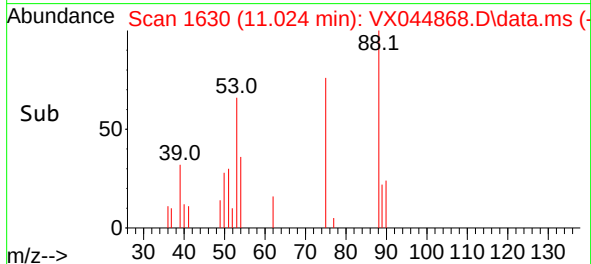
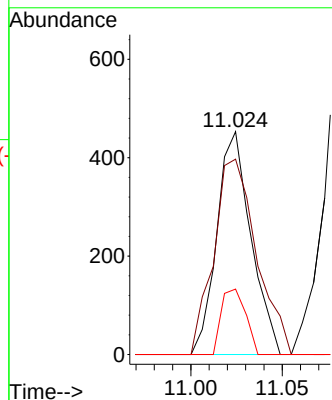
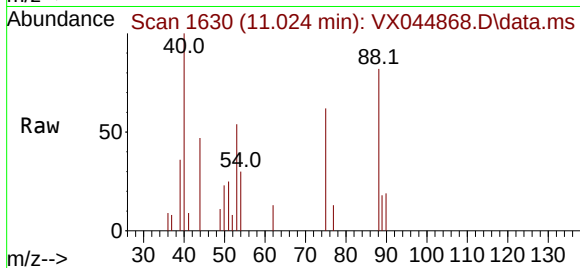




#81
trans-1,4-Dichloro-2-butene
Concen: 0.751 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

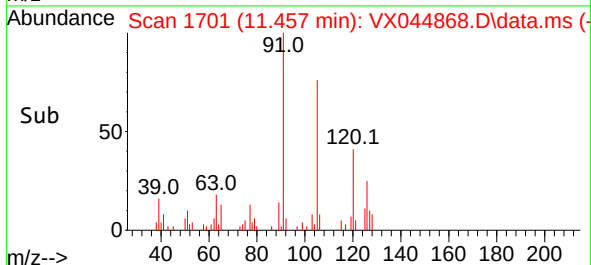
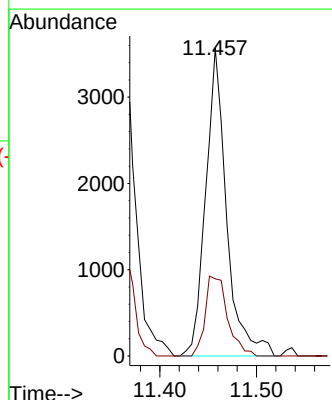
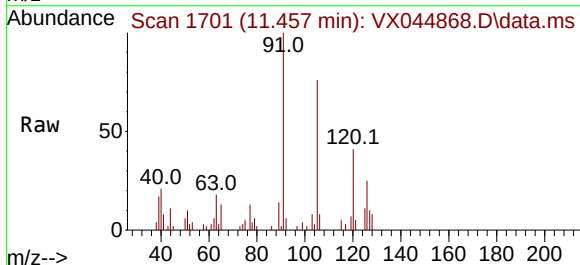
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

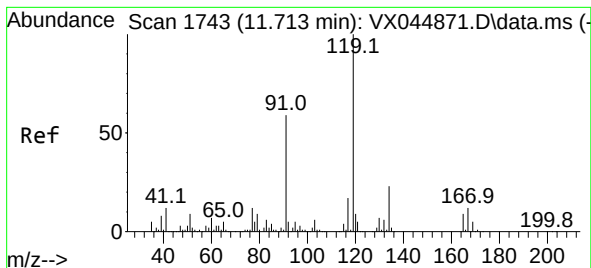
Tgt Ion: 75 Resp: 587
Ion Ratio Lower Upper
75 100
53 110.1 78.0 117.0
89 21.0 36.6 54.8#



#82
4-Chlorotoluene
Concen: 0.936 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5367
Ion Ratio Lower Upper
91 100
126 27.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.937 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

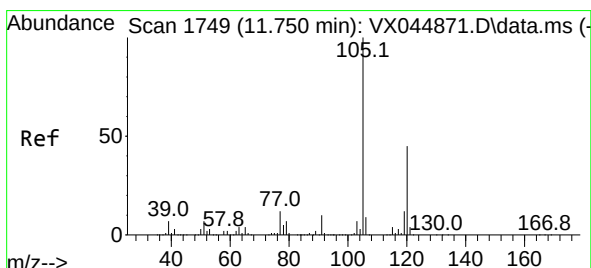
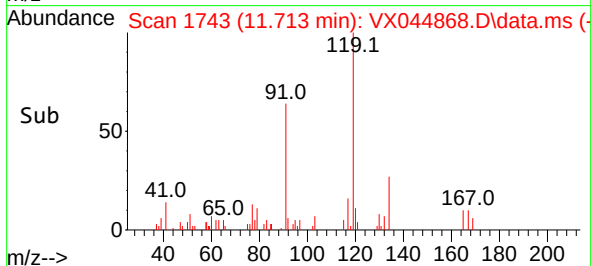
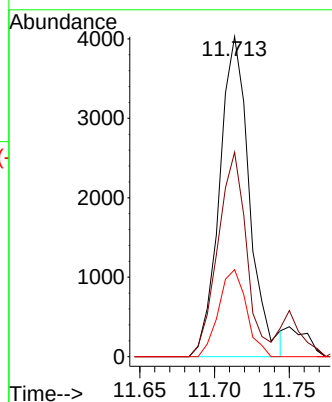
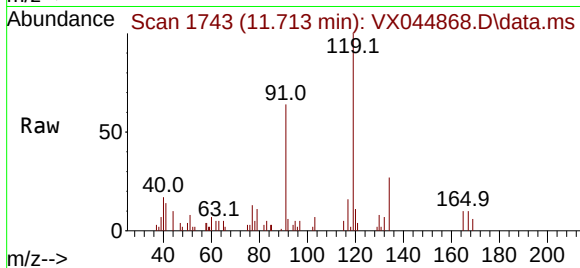
Tgt Ion:119 Resp: 5620

Ion Ratio Lower Upper

119 100

91 61.3 29.1 87.4

134 25.2 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 0.833 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044868.D

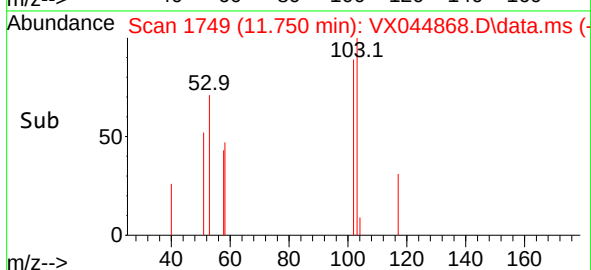
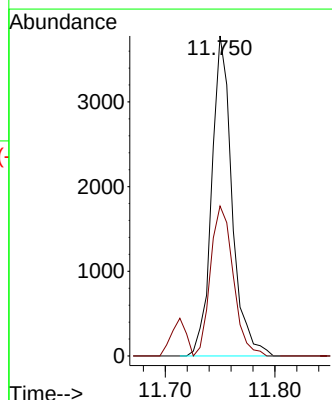
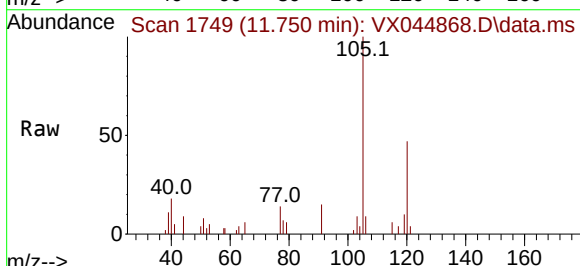
Acq: 10 Feb 2025 10:25

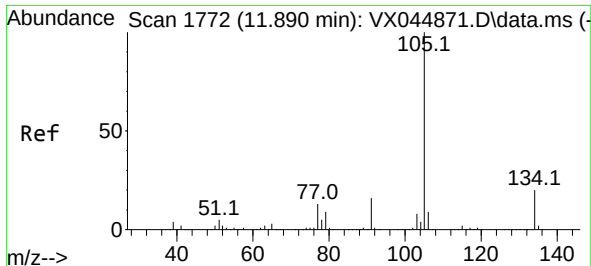
Tgt Ion:105 Resp: 4876

Ion Ratio Lower Upper

105 100

120 52.4 22.4 67.0

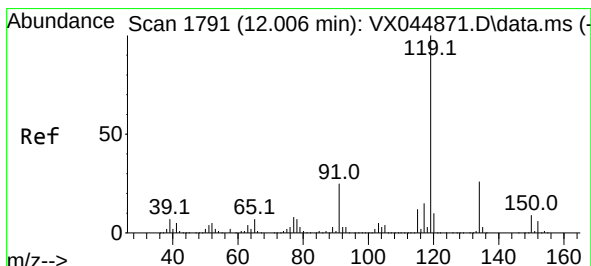
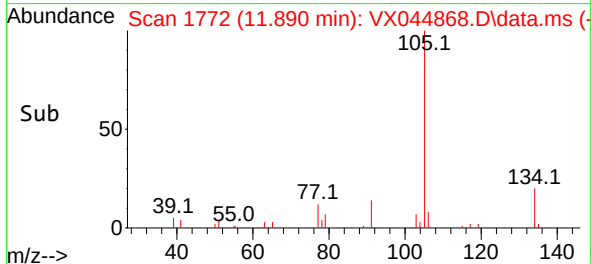
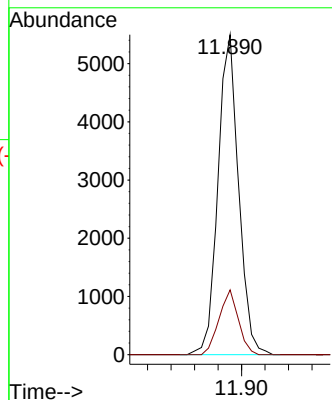
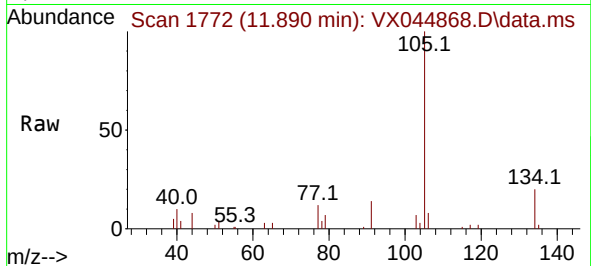




#85
 sec-Butylbenzene
 Concen: 0.902 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

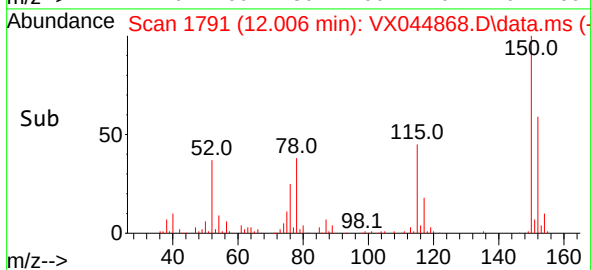
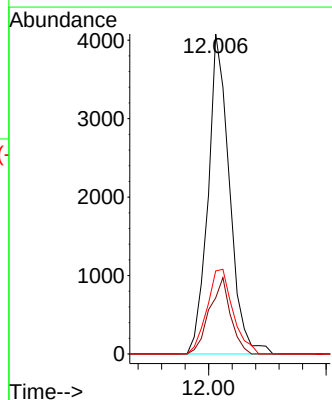
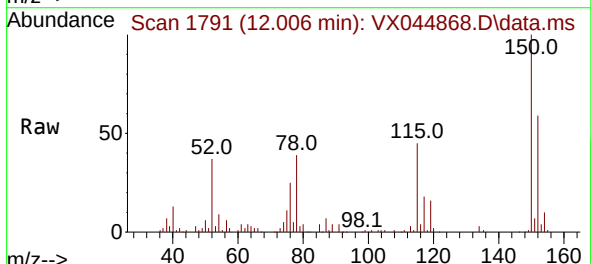
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

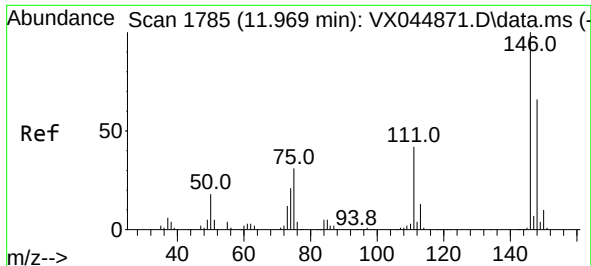
Tgt Ion:105 Resp: 6700
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.864 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

Tgt Ion:119 Resp: 5161
 Ion Ratio Lower Upper
 119 100
 134 23.4 13.0 38.9
 91 32.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 0.963 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

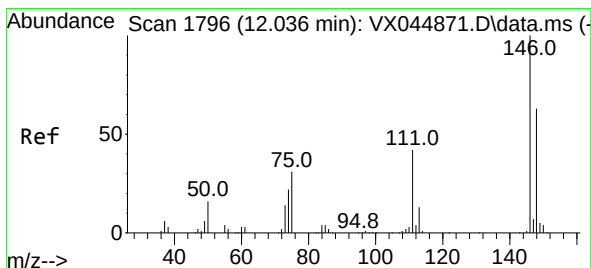
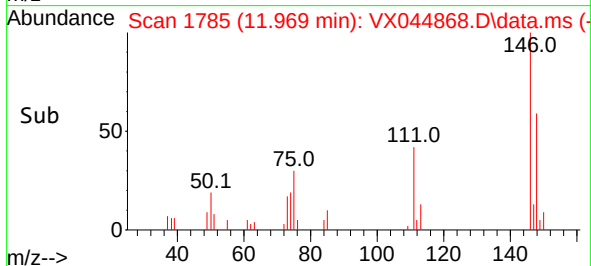
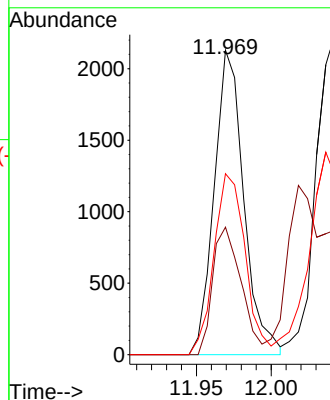
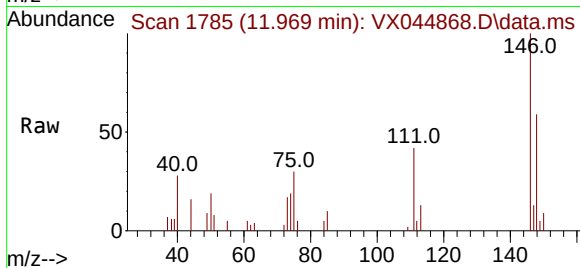
Tgt Ion:146 Resp: 2933

Ion Ratio Lower Upper

146 100

111 40.4 21.2 63.6

148 62.8 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 0.952 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

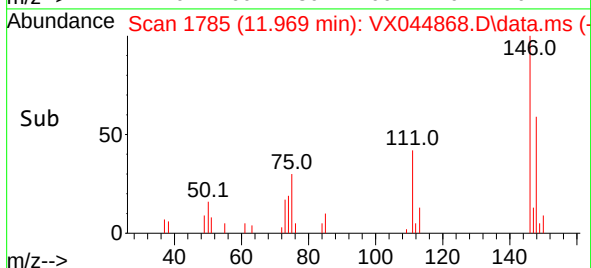
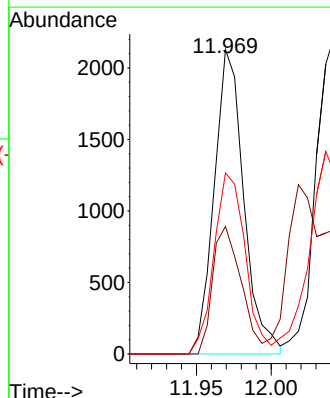
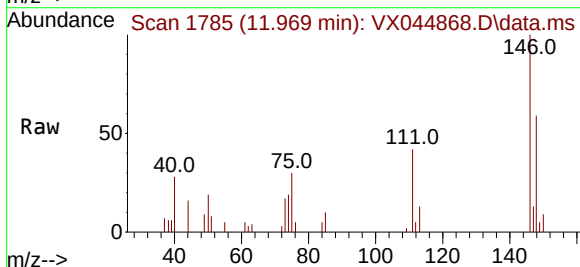
Tgt Ion:146 Resp: 2933

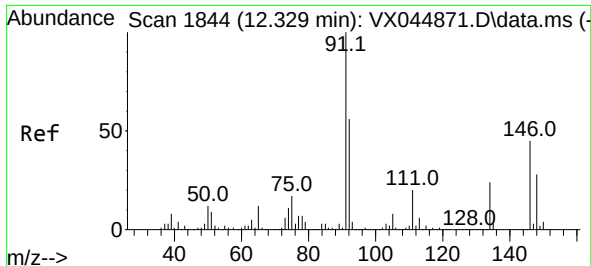
Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

148 62.8 32.0 96.0





#89

n-Butylbenzene

Concen: 0.734 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

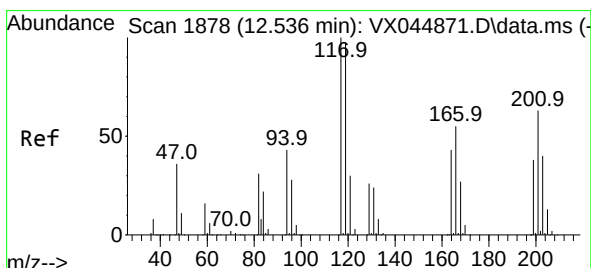
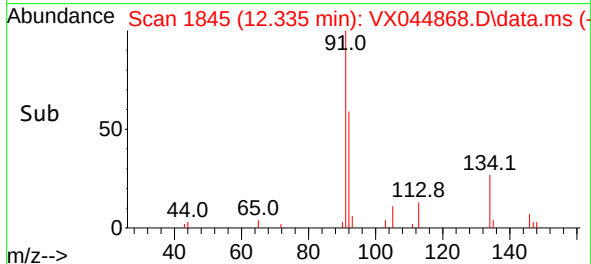
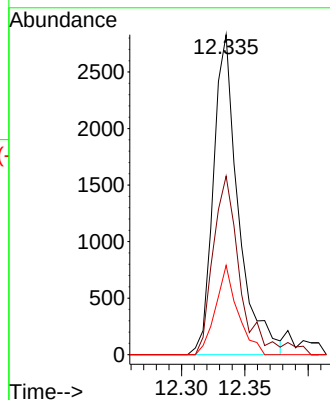
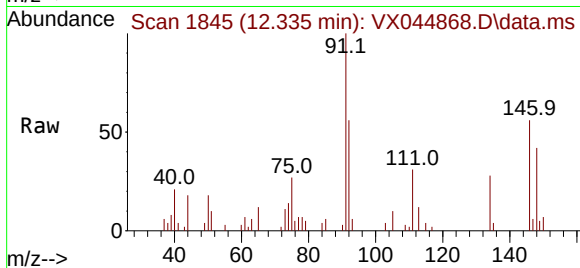
Tgt Ion: 91 Resp: 3880

Ion Ratio Lower Upper

91 100

92 60.9 27.2 81.6

134 24.8 12.1 36.3



#90

Hexachloroethane

Concen: 0.866 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044868.D

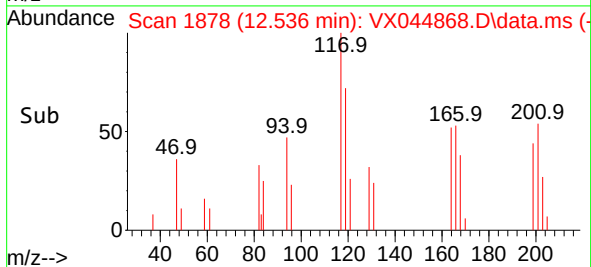
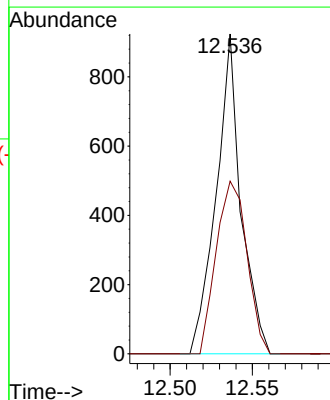
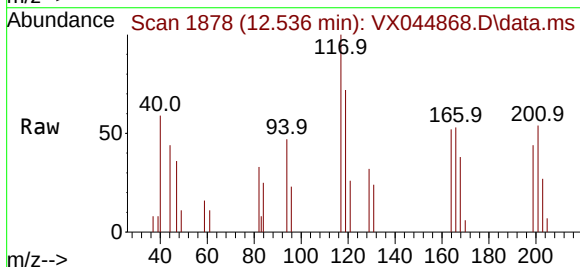
Acq: 10 Feb 2025 10:25

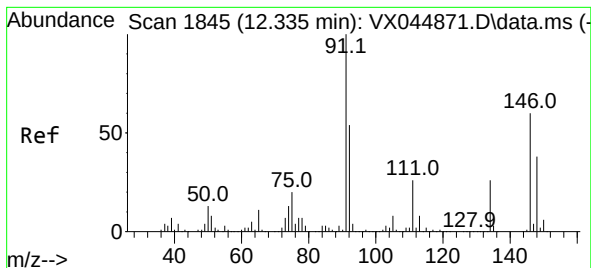
Tgt Ion: 117 Resp: 968

Ion Ratio Lower Upper

117 100

201 66.8 32.5 97.5

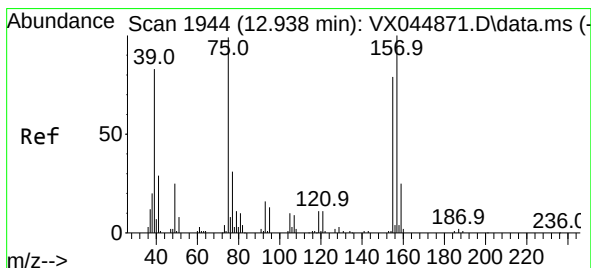
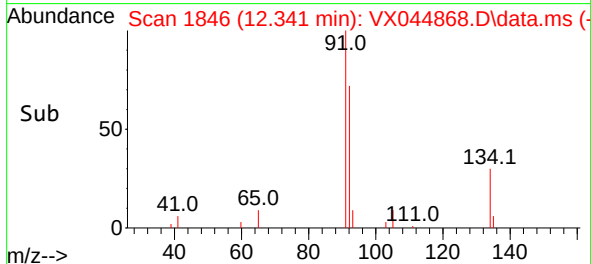
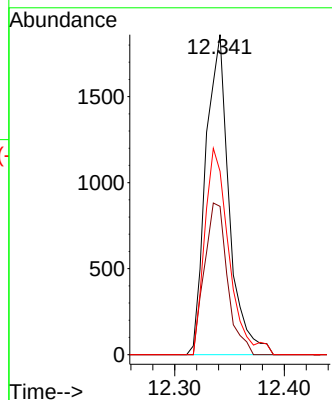
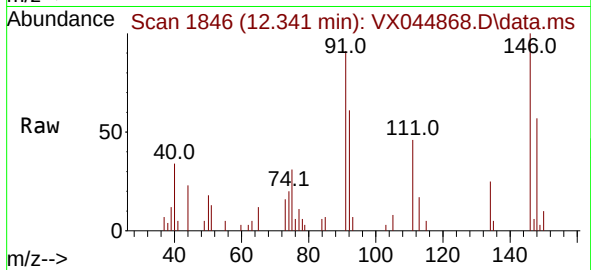




#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

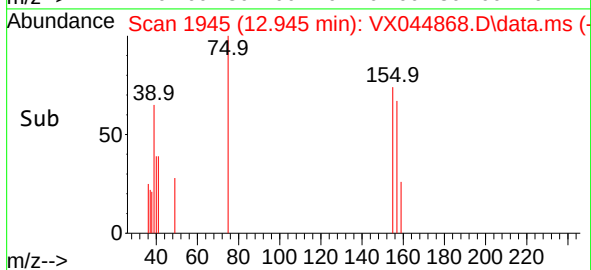
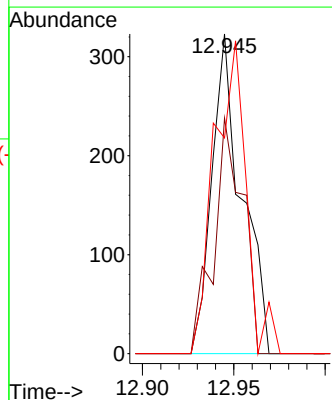
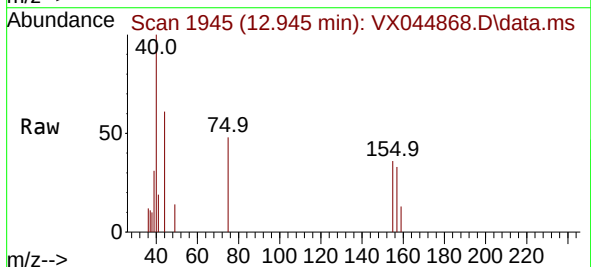
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

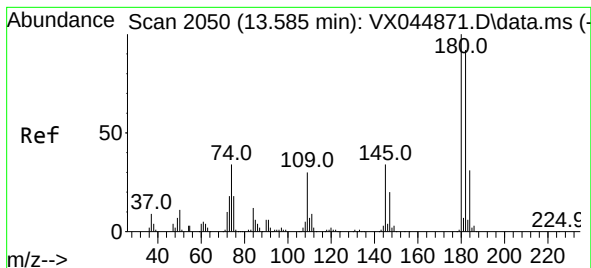
Tgt Ion:146 Resp: 2744
Ion Ratio Lower Upper
146 100
111 46.7 21.8 65.4
148 67.2 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.801 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 367
Ion Ratio Lower Upper
75 100
155 71.7 40.5 121.4
157 104.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 0.861 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

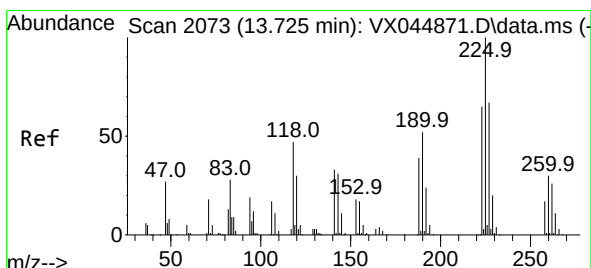
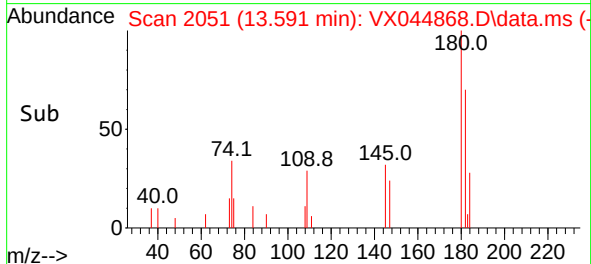
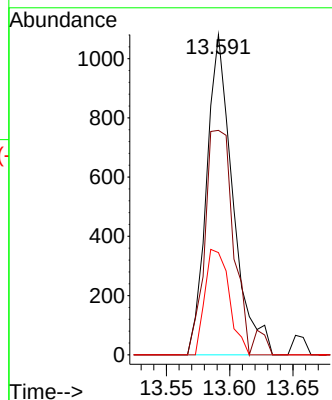
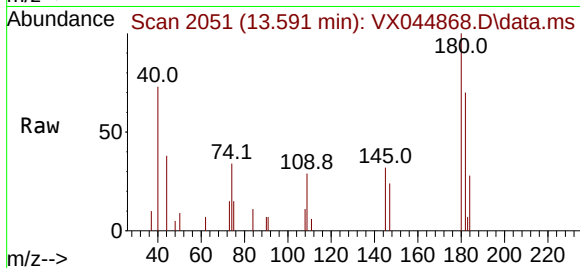
Tgt Ion:180 Resp: 1560

Ion Ratio Lower Upper

180 100

182 78.7 47.6 142.8

145 30.4 16.4 49.1



#94

Hexachlorobutadiene

Concen: 0.966 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

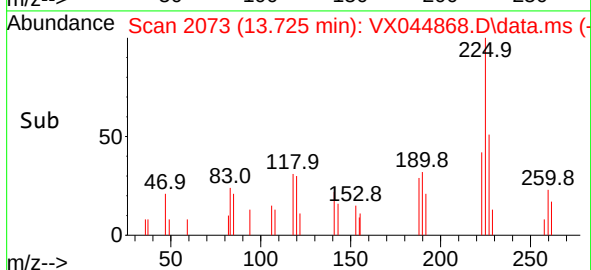
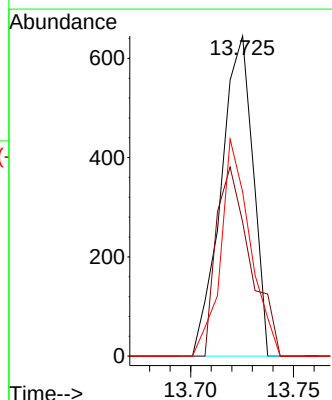
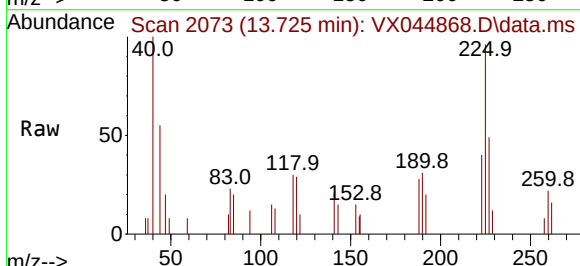
Tgt Ion:225 Resp: 695

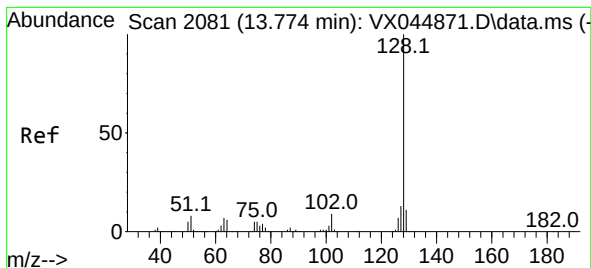
Ion Ratio Lower Upper

225 100

223 63.2 31.4 94.2

227 62.6 32.3 96.8

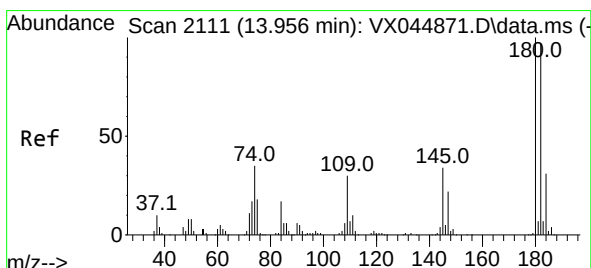
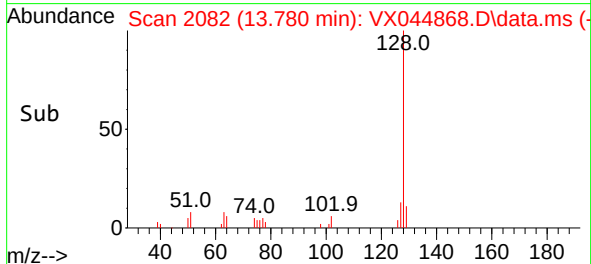
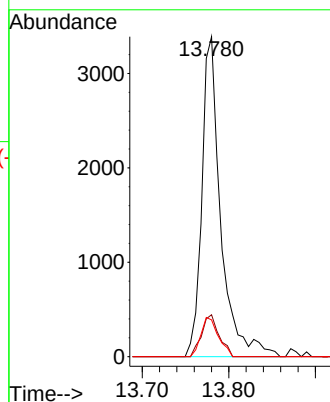
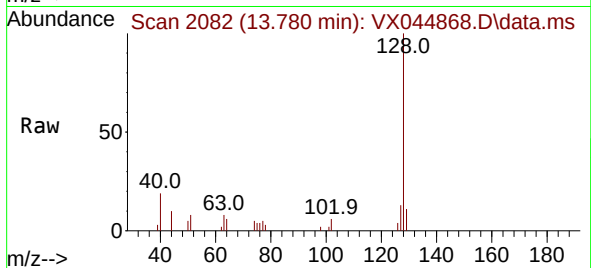




#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

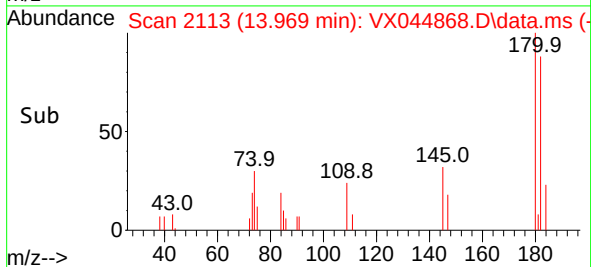
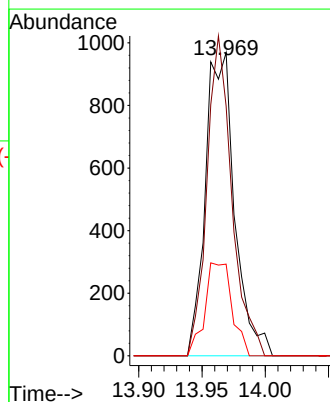
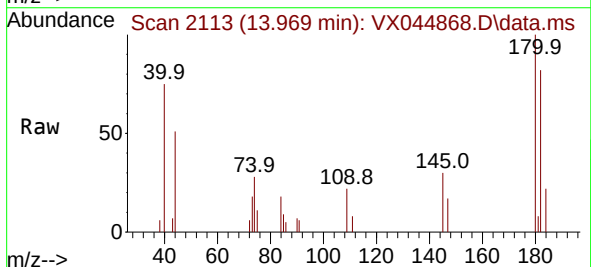
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:128	Resp:	5125
Ion	Ratio	Lower Upper
128	100	
127	12.2	10.1 15.1
129	11.3	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 0.853 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180	Resp:	1557
Ion	Ratio	Lower Upper
180	100	
182	90.0	47.9 143.6
145	28.5	17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
 Data File : WX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 11 01:59:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.440%#
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.300%#
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.080%#
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	9.740%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	4436	5.565	ug/l	99
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.119	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 11 01:59:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699	ug/l	96
42) 1,2-Dichloroethane	6.086	62	11789	4.985	ug/l	100
43) Isopropyl Acetate	6.342	43	19803	4.640	ug/l	99
44) Trichloroethene	7.123	130	8614	5.079	ug/l	95
45) 1,2-Dichloropropane	7.428	63	8976	4.863	ug/l	98
46) Dibromomethane	7.586	93	6210	4.851	ug/l	95
47) Bromodichloromethane	7.818	83	12173	4.911	ug/l	94
48) Methyl methacrylate	7.702	41	9298	4.620	ug/l	98
49) 1,4-Dioxane	7.678	88	4365	101.099	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076	ug/l	100
52) Toluene	8.720	92	22090	4.999	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099	ug/l	98
56) Ethyl methacrylate	9.116	69	12351	4.502	ug/l	96
57) 1,3-Dichloropropane	9.305	76	14839	4.993	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382	ug/l	99
59) 2-Hexanone	9.433	43	45538	24.359	ug/l	99
60) Dibromochloromethane	9.519	129	8668	4.771	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8353	4.852	ug/l	96
64) Tetrachloroethene	9.269	164	6803	4.934	ug/l	95
65) Chlorobenzene	10.079	112	23903	5.090	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883	ug/l	97
67) Ethyl Benzene	10.189	91	40945	4.941	ug/l	97
68) m/p-Xylenes	10.299	106	30627	10.019	ug/l	100
69) o-Xylene	10.640	106	15761	5.139	ug/l	98
70) Styrene	10.653	104	24576	4.973	ug/l	99
71) Bromoform	10.799	173	5391	4.779	ug/l #	97
73) Isopropylbenzene	10.957	105	38315	4.983	ug/l	100
74) N-amyl acetate	10.842	43	16653	4.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	13757	6.498	ug/l	87
77) Bromobenzene	11.195	156	8789	5.042	ug/l	97
78) n-propylbenzene	11.305	91	43923	4.949	ug/l	99
79) 2-Chlorotoluene	11.360	91	27311	5.007	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013	ug/l	87
82) 4-Chlorotoluene	11.451	91	30138	4.994	ug/l	99
83) tert-Butylbenzene	11.713	119	31992	5.068	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042	ug/l	98
85) sec-Butylbenzene	11.890	105	38437	4.917	ug/l	98
86) p-Isopropyltoluene	12.006	119	30835	4.905	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971	ug/l	95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043	ug/l	95
89) n-Butylbenzene	12.329	91	25747	4.630	ug/l	97
90) Hexachloroethane	12.536	117	5620	4.775	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680	ug/l	99
94) Hexachlorobutadiene	13.719	225	3595	4.750	ug/l	99
95) Naphthalene	13.774	128	32776	4.756	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

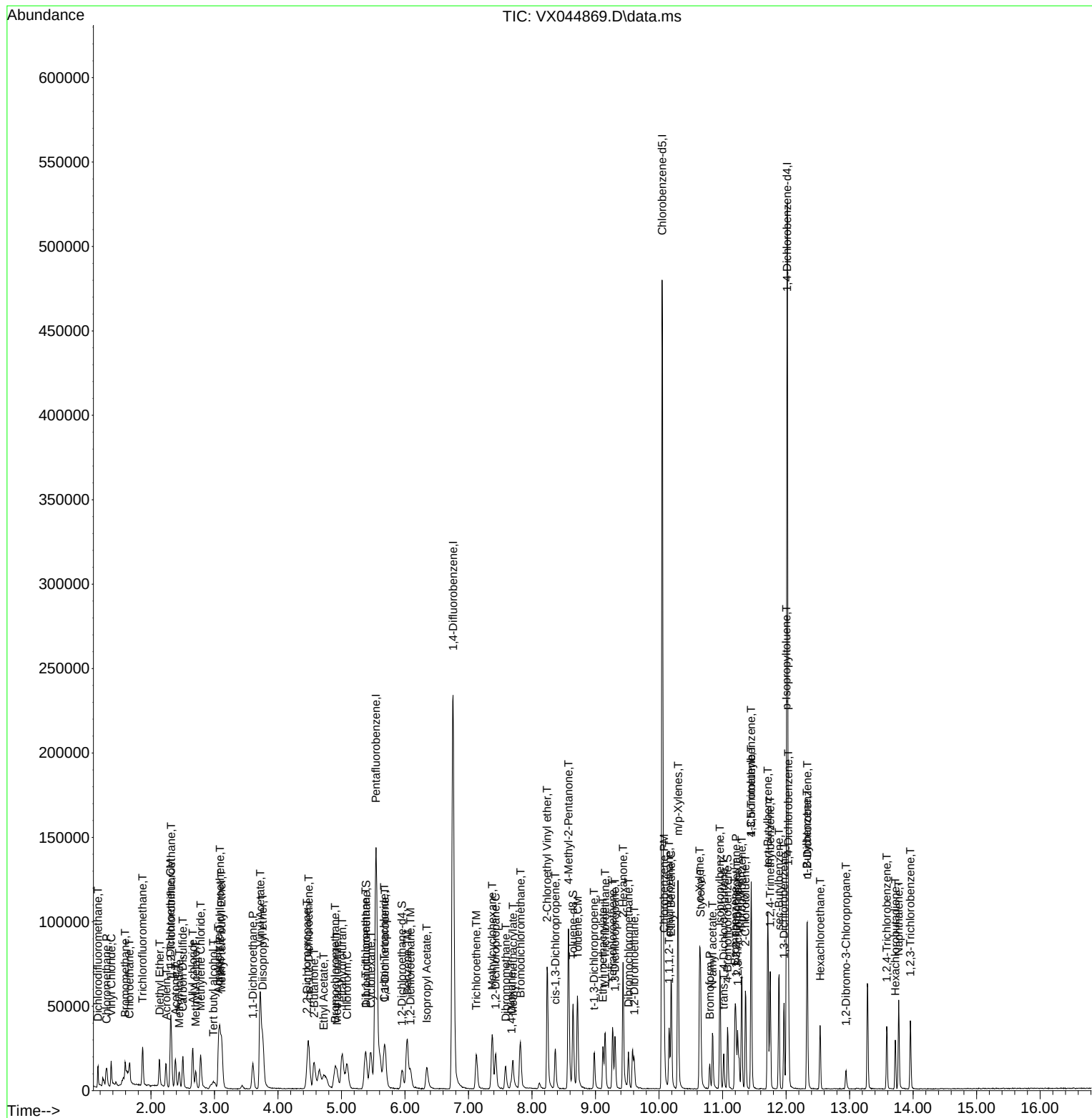
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

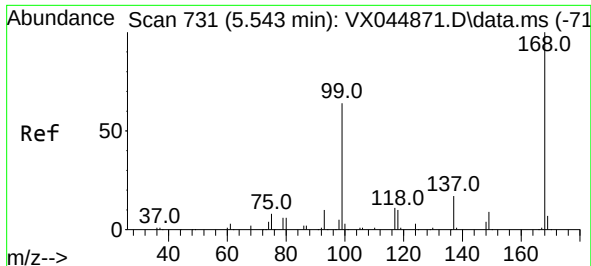
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\  
Data File : VX044869.D  
Acq On    : 10 Feb 2025  10:48  
Operator  : JC/MD  
Sample    : VSTDICC005  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 4      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

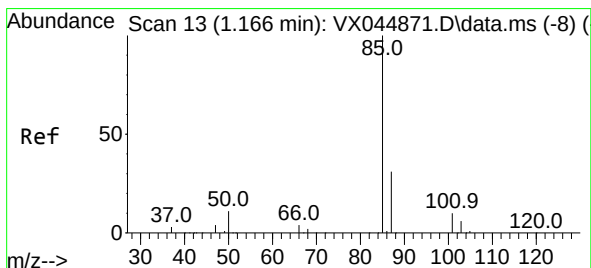
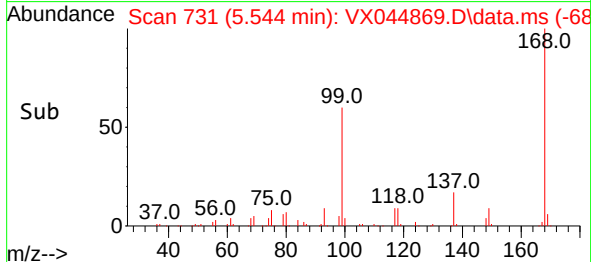
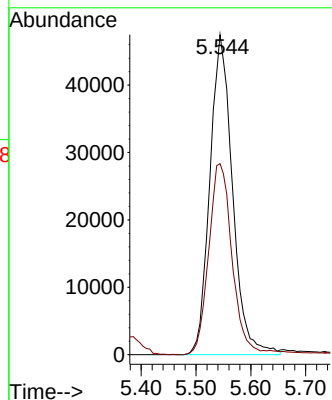
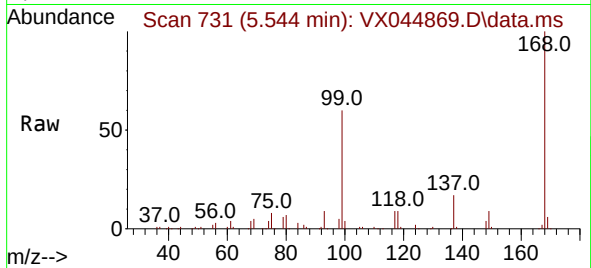




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

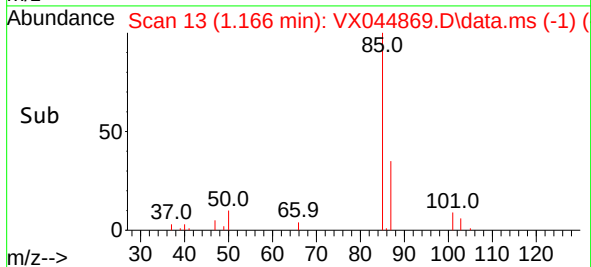
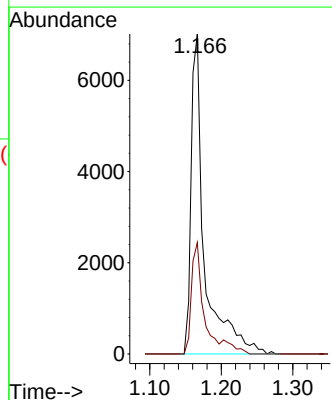
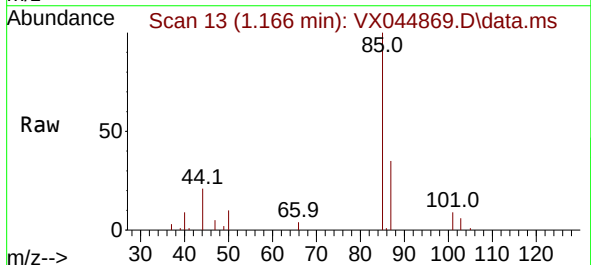
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

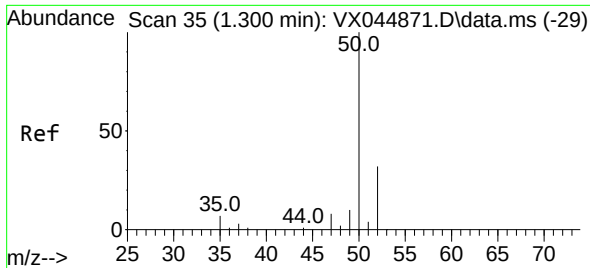
Tgt Ion:168 Resp: 136105
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109
Ion Ratio Lower Upper
85 100
87 34.8 15.8 47.3

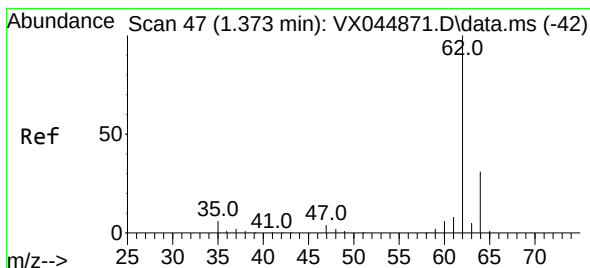
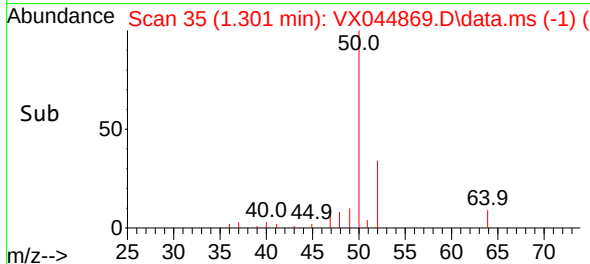
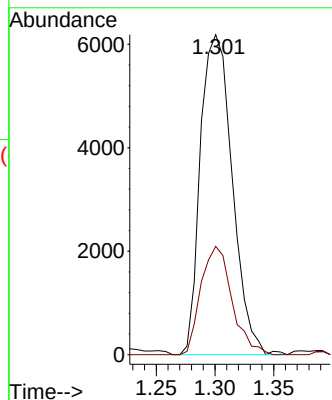
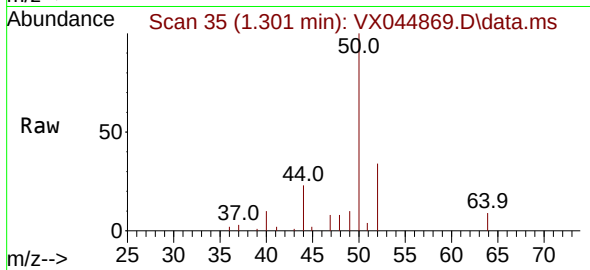




#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

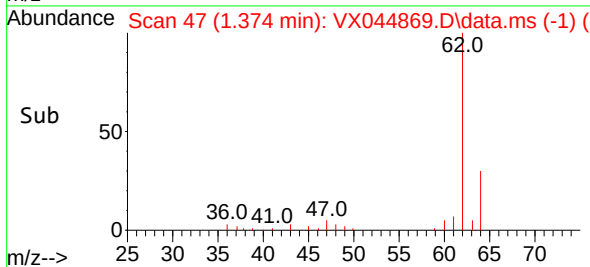
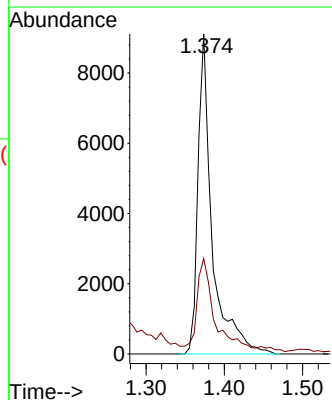
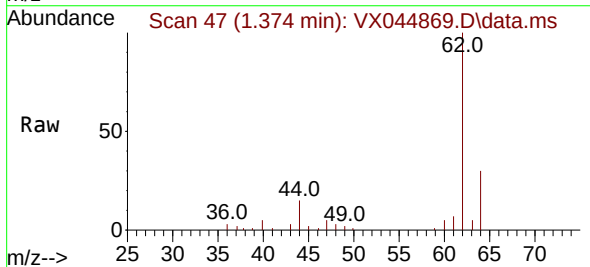
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

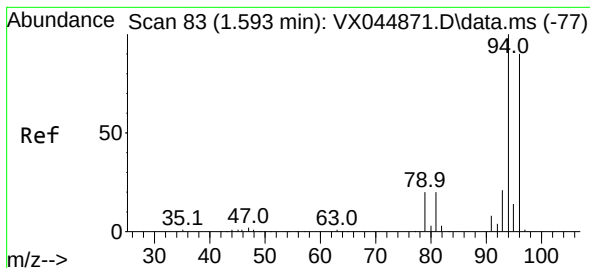
Tgt Ion: 50 Resp: 11711
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9



#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509
Ion Ratio Lower Upper
62 100
64 28.4 25.4 38.0

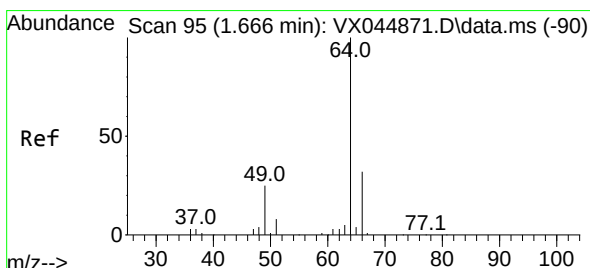
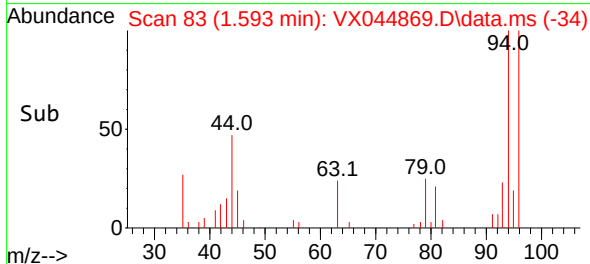
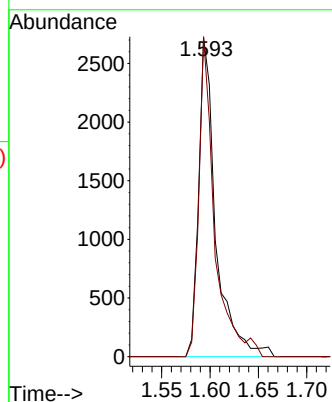
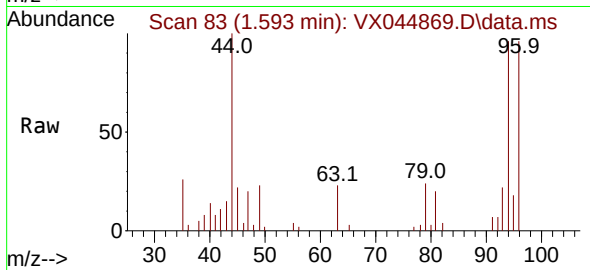




#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

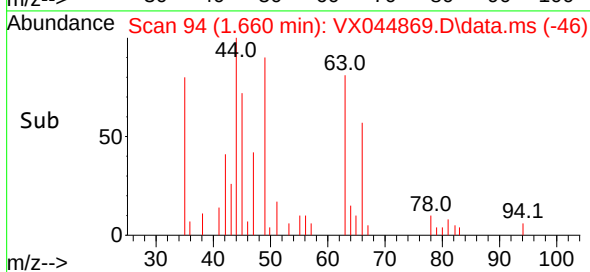
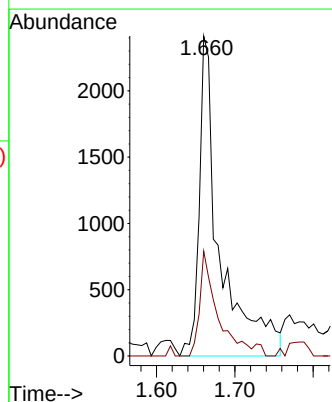
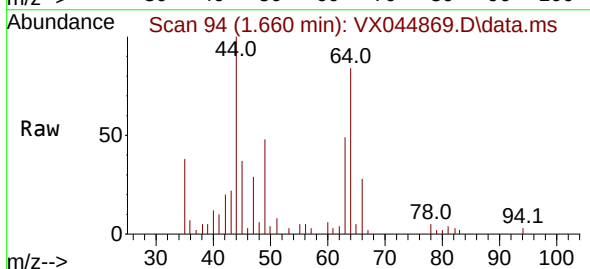
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

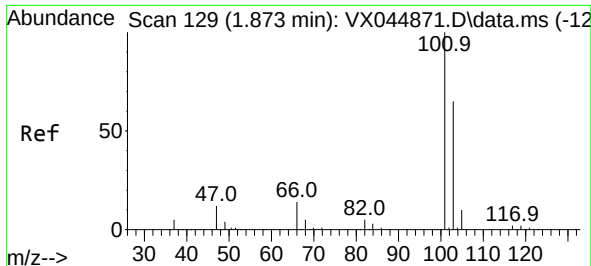
Tgt Ion: 94 Resp: 3371
Ion Ratio Lower Upper
94 100
96 100.2 71.6 107.4



#6
Chloroethane
Concen: 5.565 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 4436
Ion Ratio Lower Upper
64 100
66 32.8 25.9 38.9

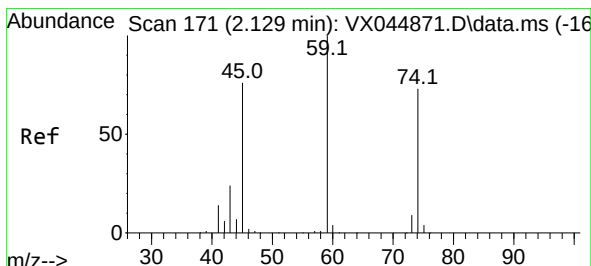
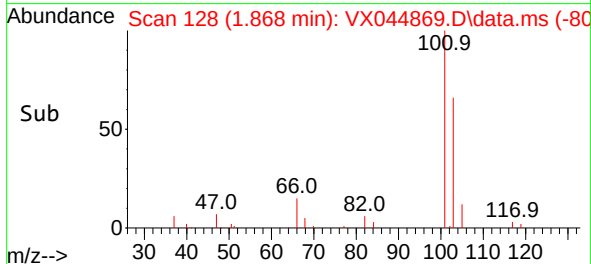
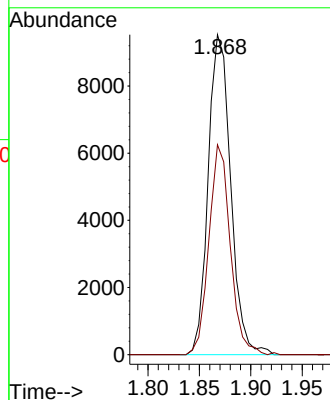
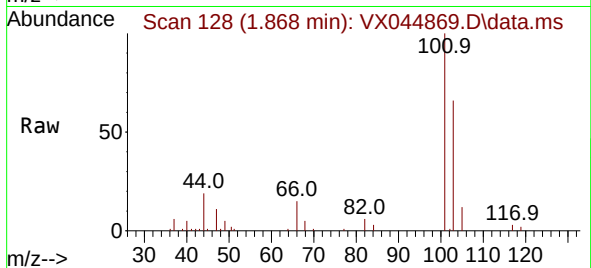




#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

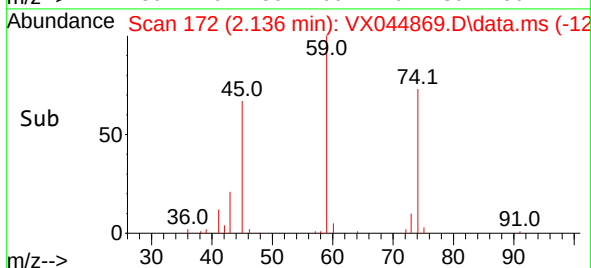
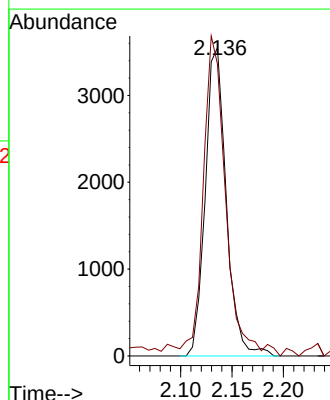
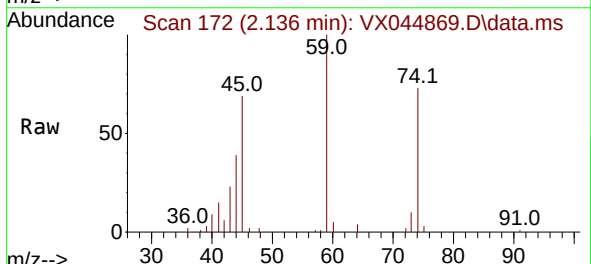
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

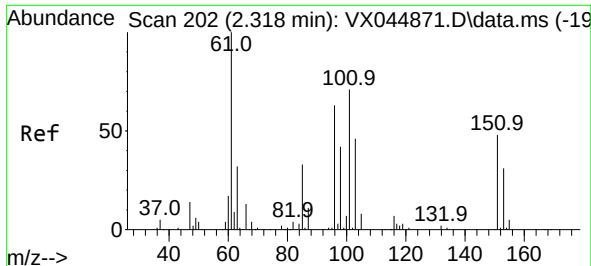
Tgt Ion:101 Resp: 14506
Ion Ratio Lower Upper
101 100
103 65.6 52.4 78.6



#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062
Ion Ratio Lower Upper
74 100
45 112.2 51.1 153.4

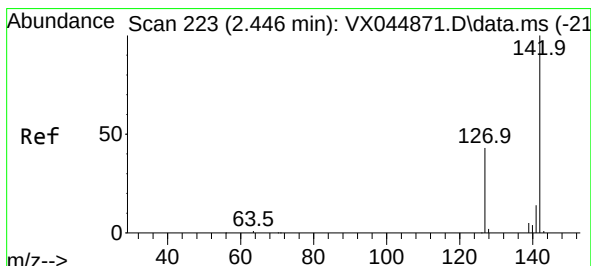
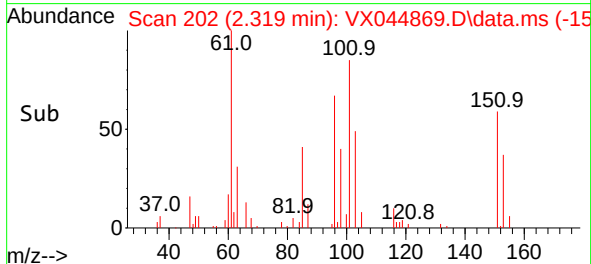
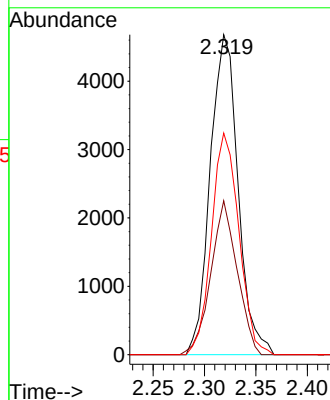
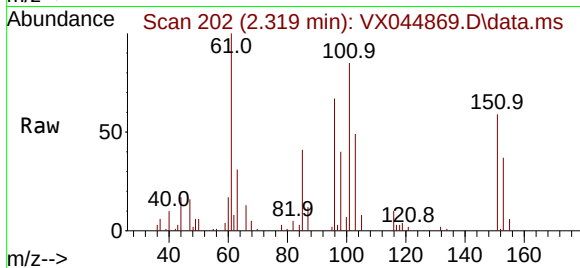




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.120 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

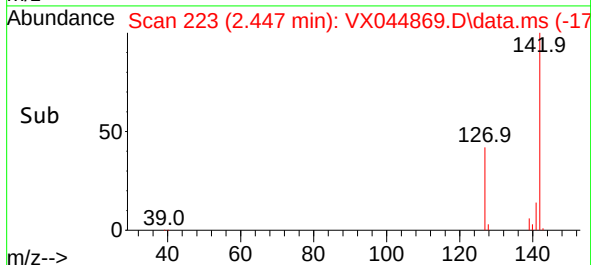
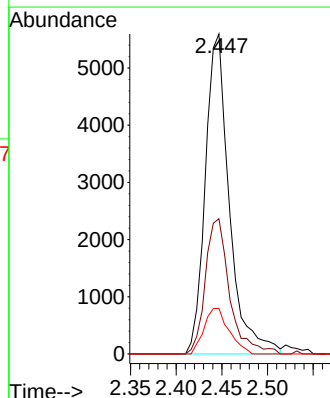
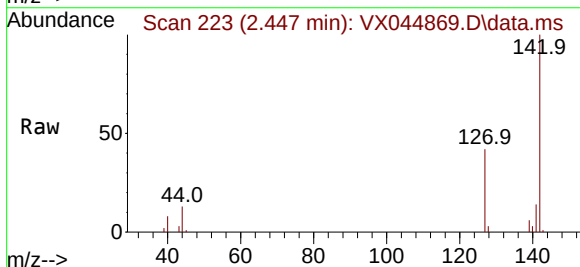
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

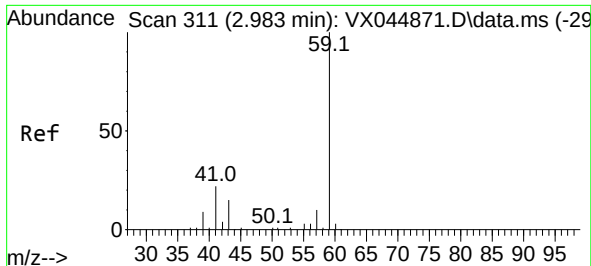
Tgt Ion:	101	Resp:	8805
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	68.3	56.0	84.0



#10
Methyl Iodide
Concen: 4.591 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	142	Resp:	10233
Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.3	51.5
141	14.8	11.4	17.2





#11

Tert butyl alcohol

Concen: 27.175 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

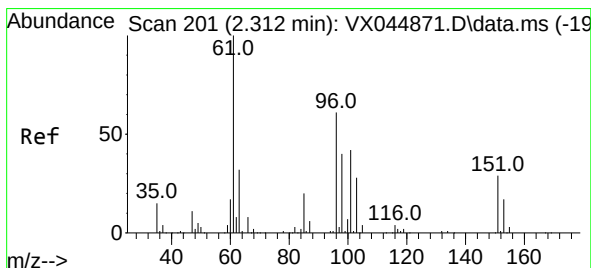
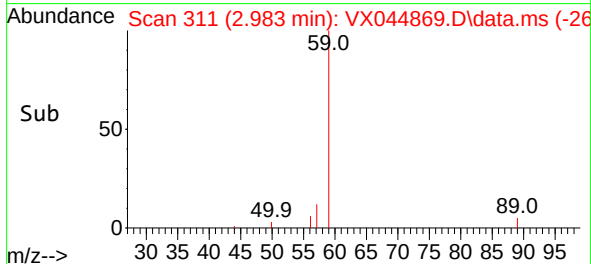
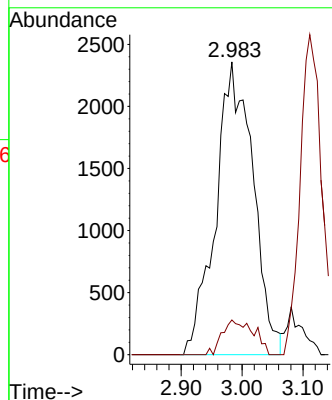
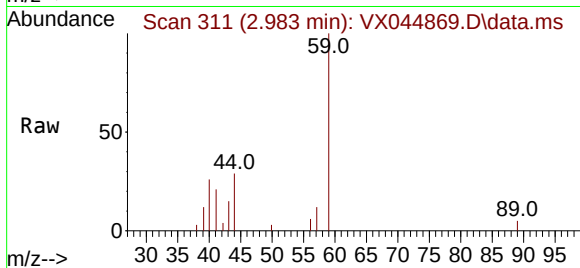
VSTDIC005

Tgt Ion: 59 Resp: 10044

Ion Ratio Lower Upper

59 100

57 9.9 8.1 12.1



#12

1,1-Dichloroethene

Concen: 4.955 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

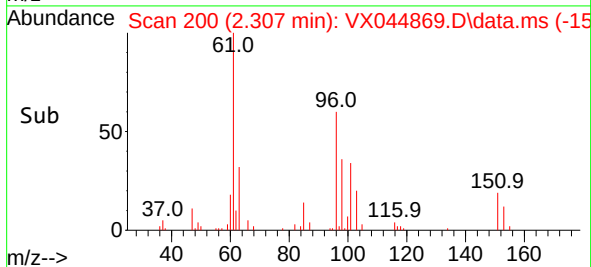
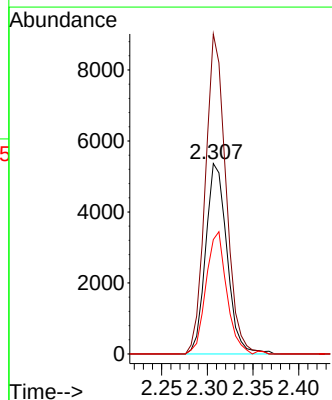
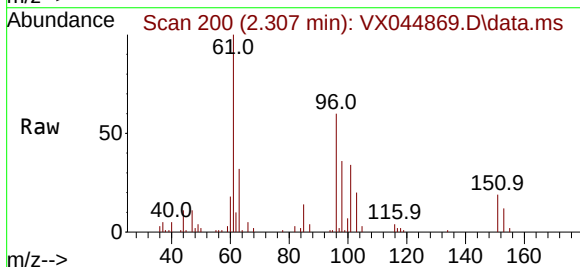
Tgt Ion: 96 Resp: 8692

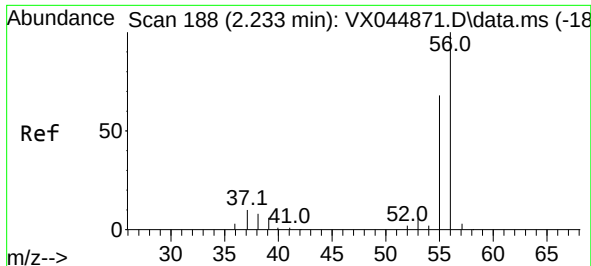
Ion Ratio Lower Upper

96 100

61 168.0 130.2 195.4

98 60.1 52.2 78.4

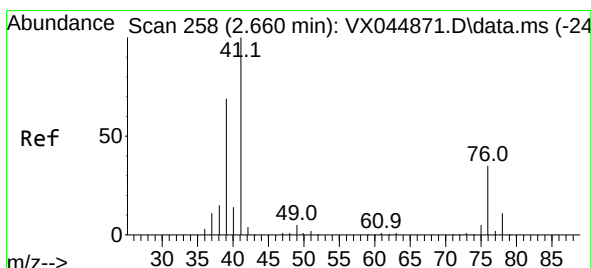
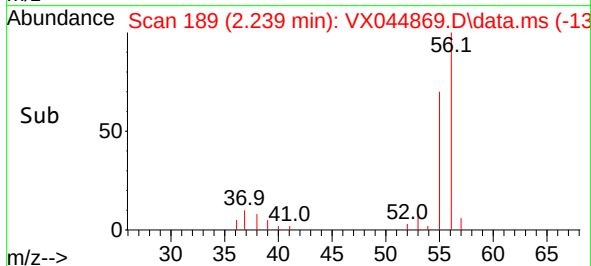
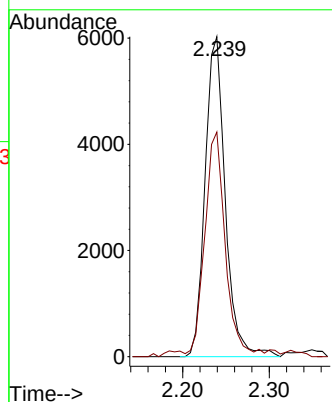
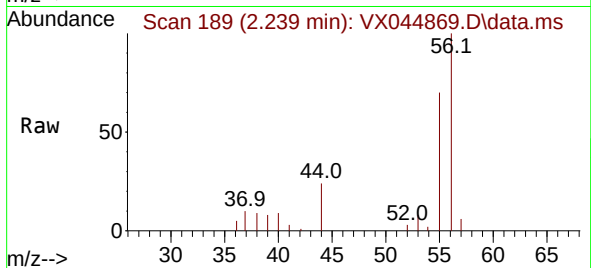




#13
Acrolein
Concen: 25.567 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

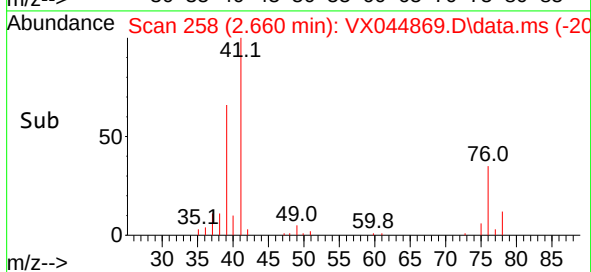
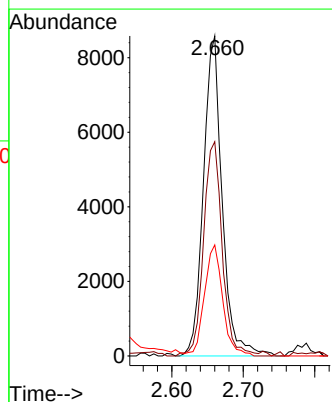
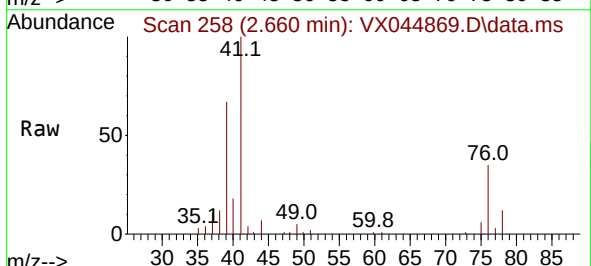
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

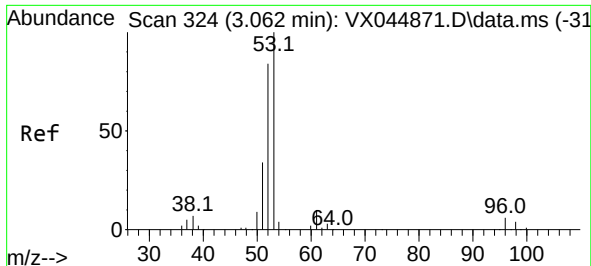
Tgt Ion: 56 Resp: 9750
Ion Ratio Lower Upper
56 100
55 71.6 55.7 83.5



#14
Allyl chloride
Concen: 4.936 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 15649
Ion Ratio Lower Upper
41 100
39 66.7 51.4 77.2
76 33.9 27.0 40.4

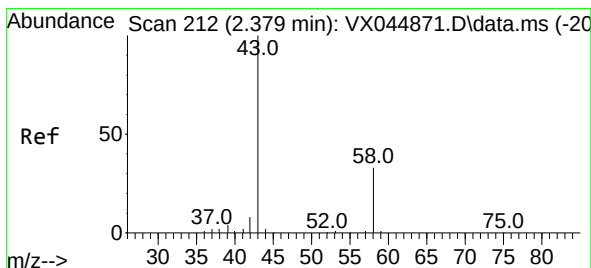
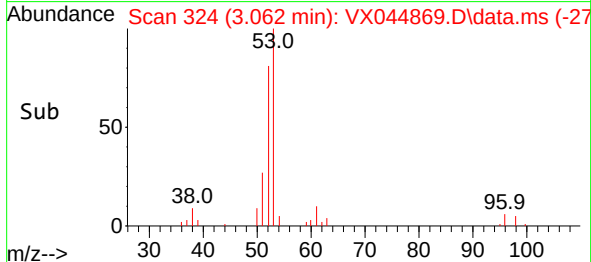
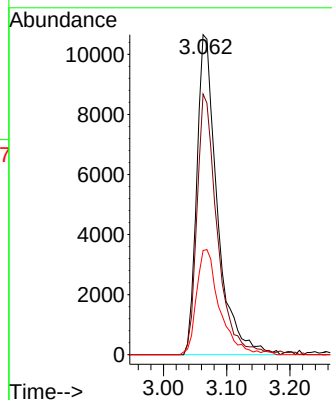
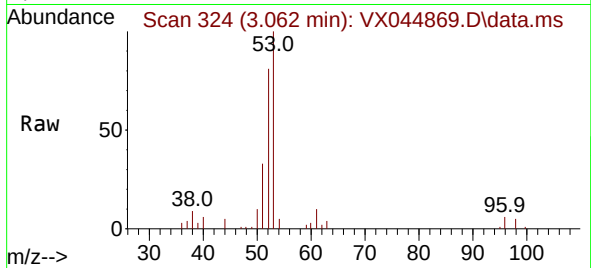




#15
Acrylonitrile
Concen: 24.422 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

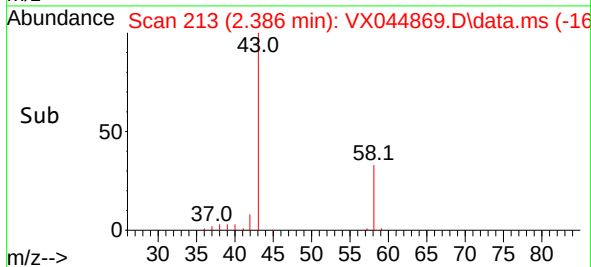
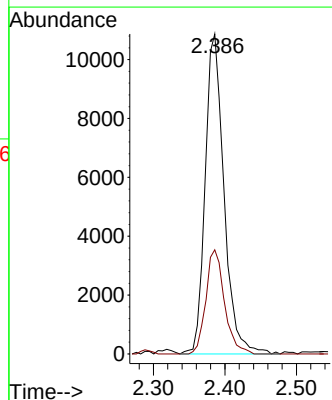
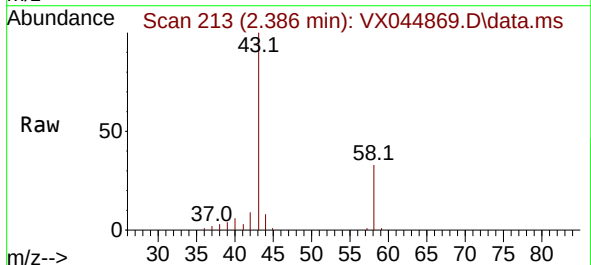
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

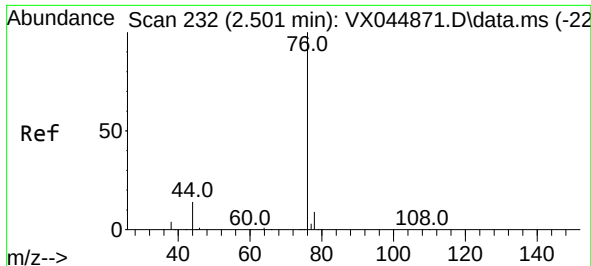
Tgt Ion:	53	Resp:	24101
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.6	28.0	42.0



#16
Acetone
Concen: 24.817 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	43	Resp:	19877
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7

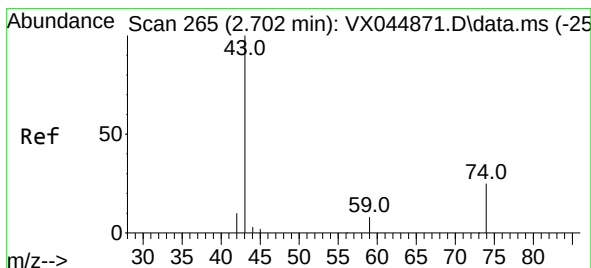
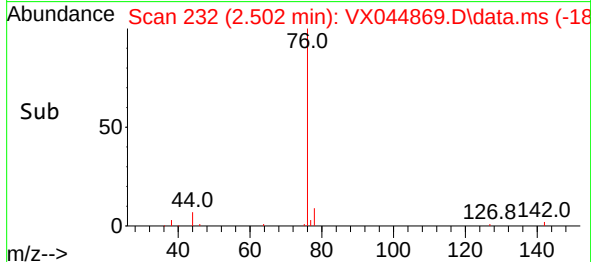
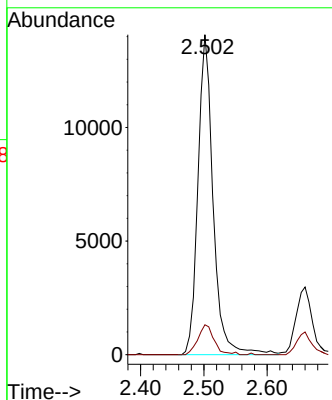
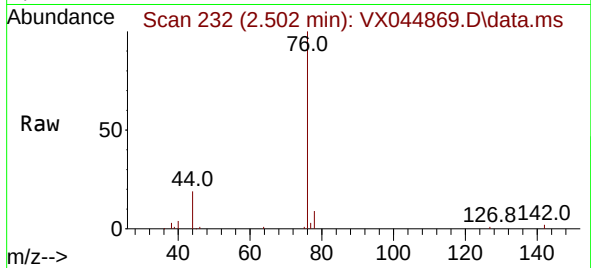




#17
Carbon Disulfide
Concen: 4.899 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

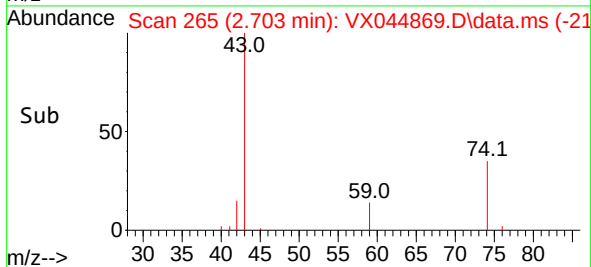
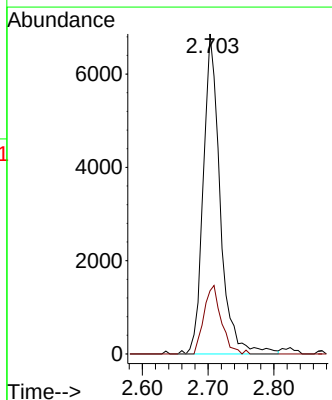
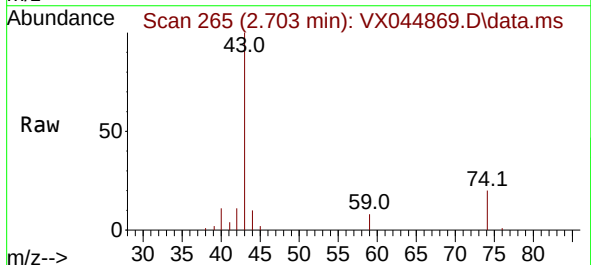
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

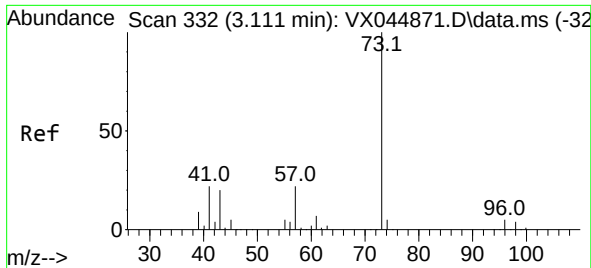
Tgt Ion: 76 Resp: 23568
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 12257
Ion Ratio Lower Upper
43 100
74 22.0 18.9 28.3

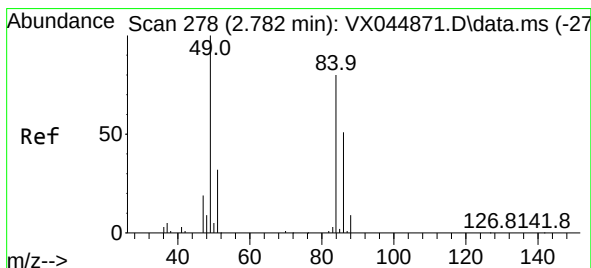
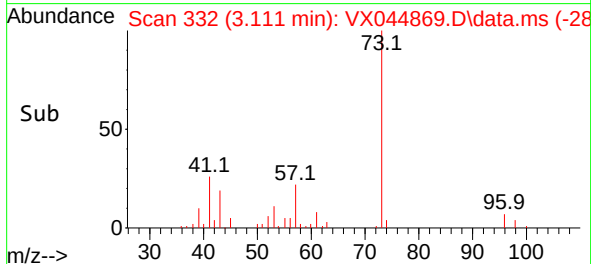
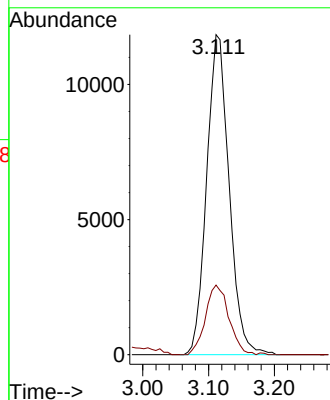
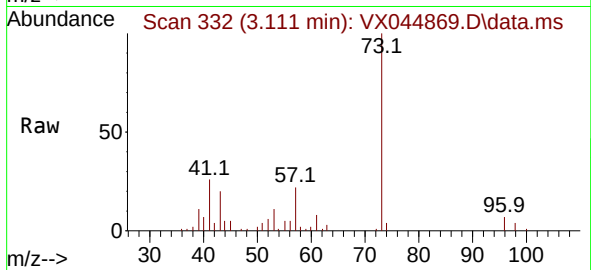




#19
Methyl tert-butyl Ether
Concen: 5.034 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

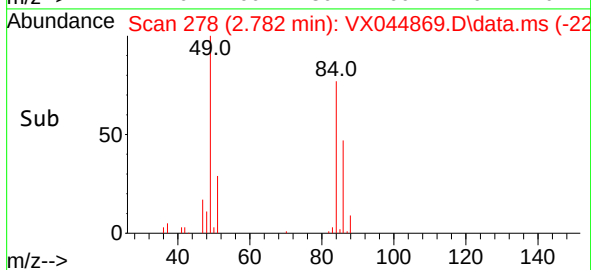
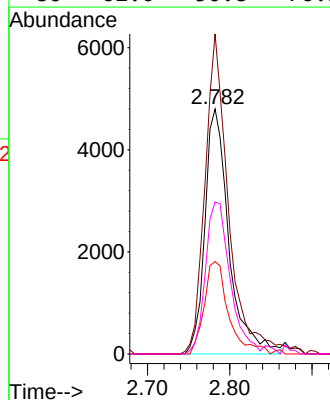
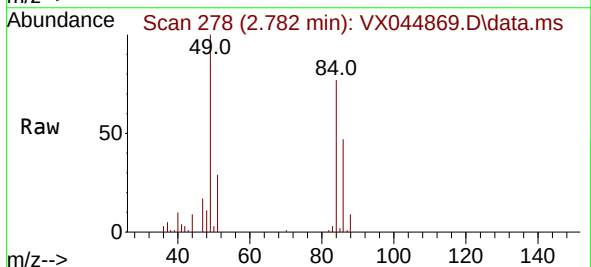
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

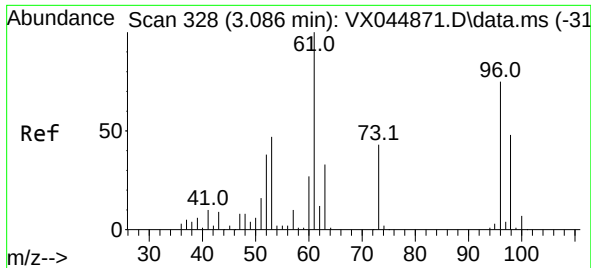
Tgt Ion: 73 Resp: 28100
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 4.973 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757
Ion Ratio Lower Upper
84 100
49 130.7 100.1 150.1
51 37.7 31.7 47.5
86 62.0 50.8 76.2

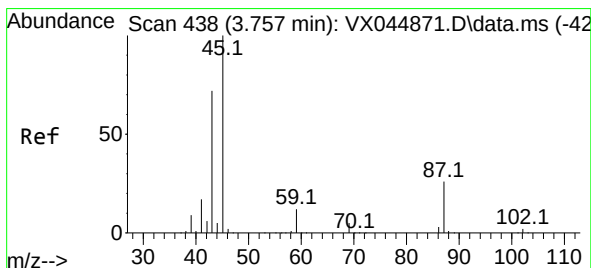
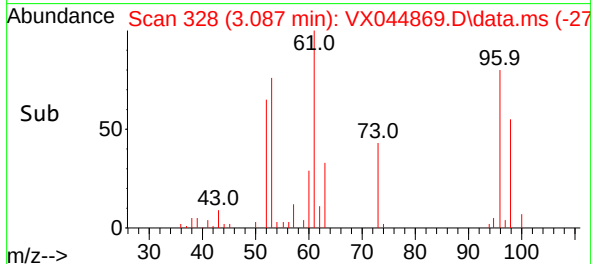
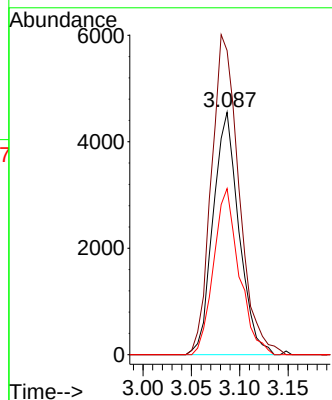
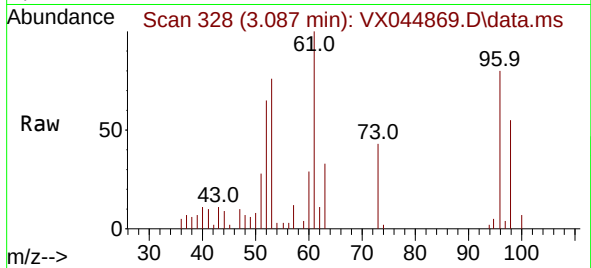




#21
trans-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

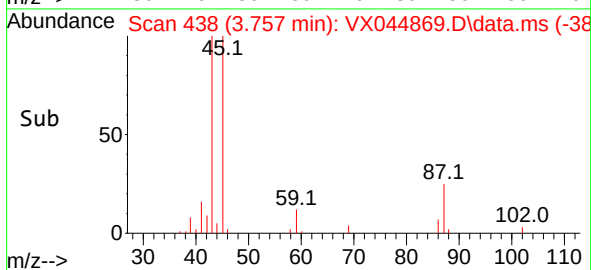
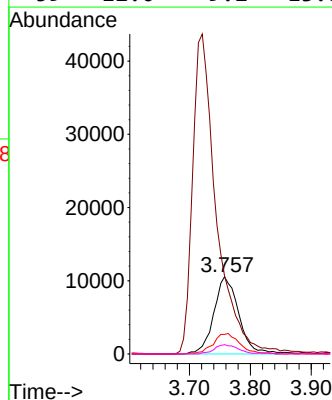
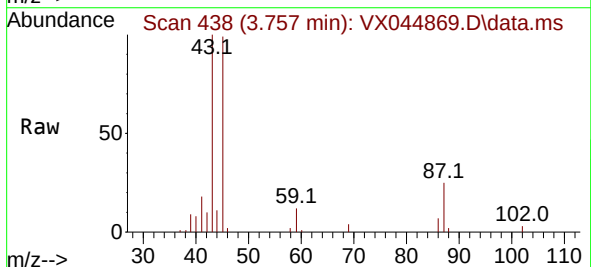
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

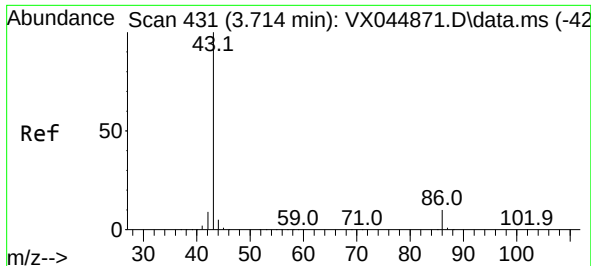
Tgt Ion: 96 Resp: 8470
Ion Ratio Lower Upper
96 100
61 125.5 106.0 159.0
98 68.5 50.6 76.0



#22
Diisopropyl ether
Concen: 4.963 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768
Ion Ratio Lower Upper
45 100
43 97.8 58.0 87.0#
87 25.2 20.7 31.1
59 12.0 9.2 13.8

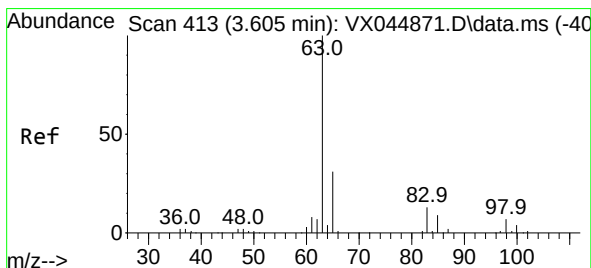
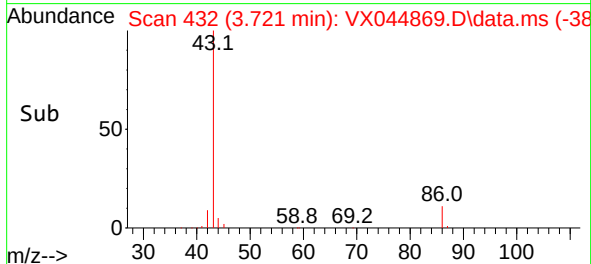
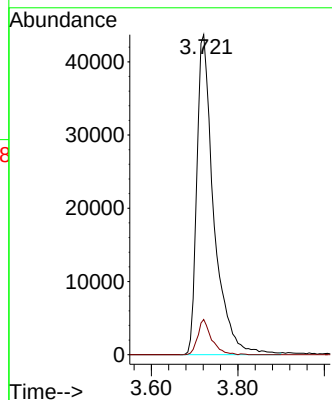
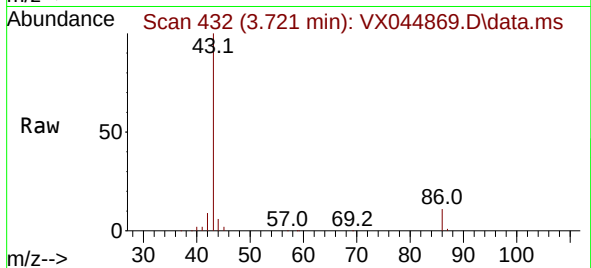




#23
Vinyl Acetate
Concen: 24.358 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

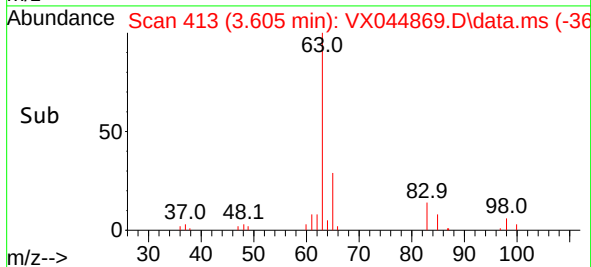
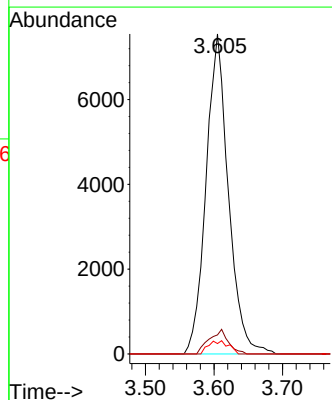
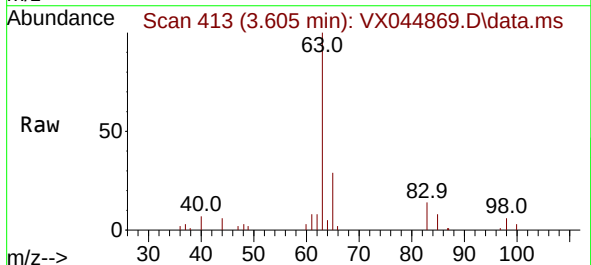
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

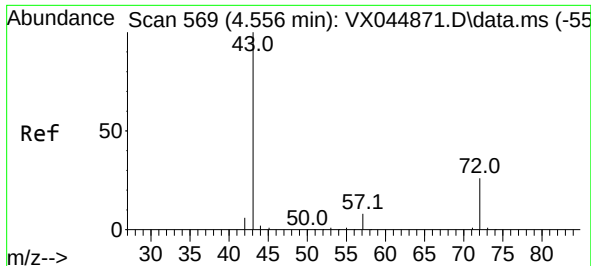
Tgt Ion: 43 Resp: 119108
Ion Ratio Lower Upper
43 100
86 11.0 8.3 12.5



#24
1,1-Dichloroethane
Concen: 5.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113
Ion Ratio Lower Upper
63 100
98 5.9 3.3 9.9
100 3.2 2.1 6.5

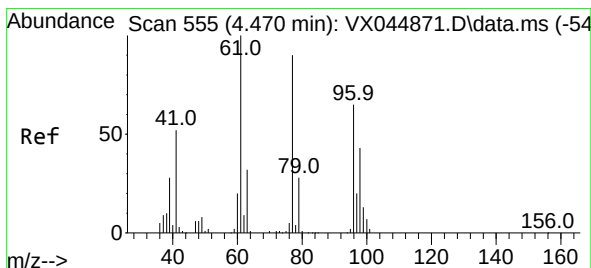
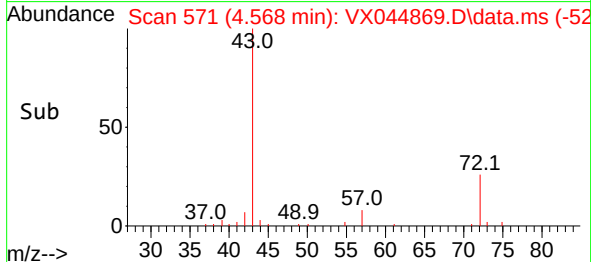
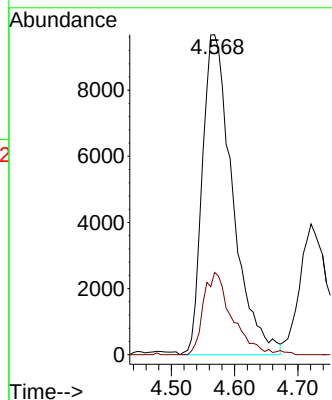
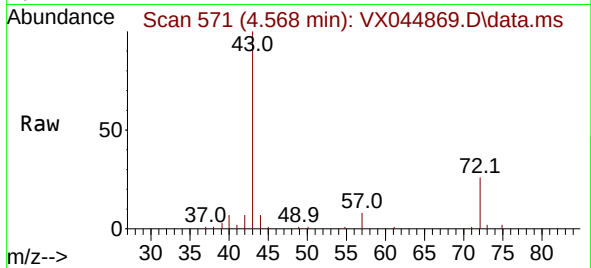




#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

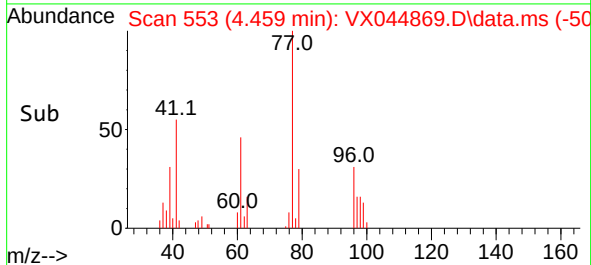
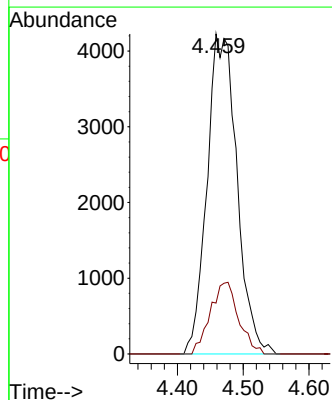
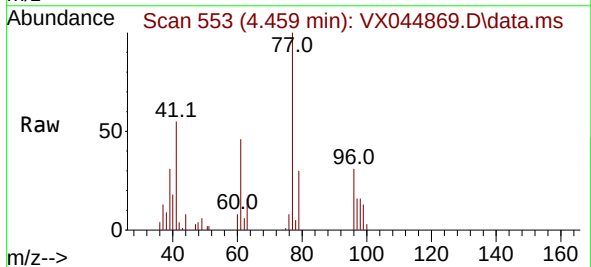
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

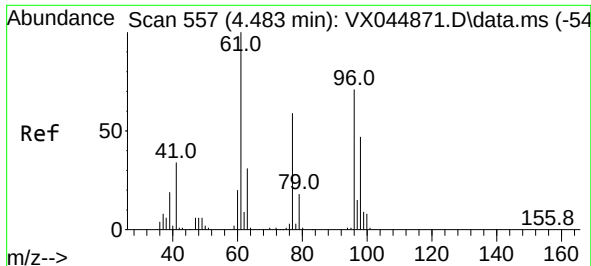
Tgt Ion: 43 Resp: 32121
Ion Ratio Lower Upper
43 100
72 25.7 21.2 31.8



#26
2,2-Dichloropropane
Concen: 5.022 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 77 Resp: 13365
Ion Ratio Lower Upper
77 100
97 21.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 5.141 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

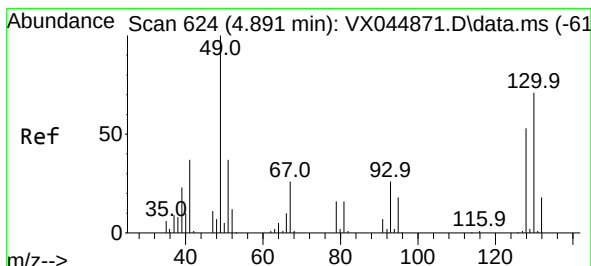
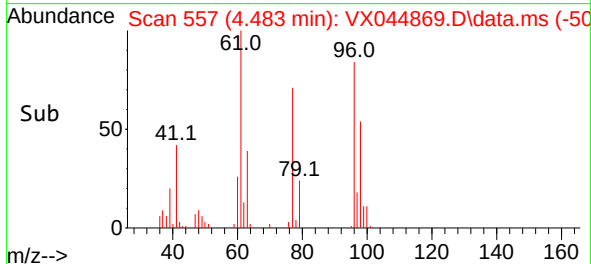
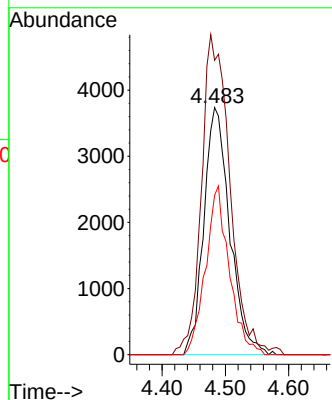
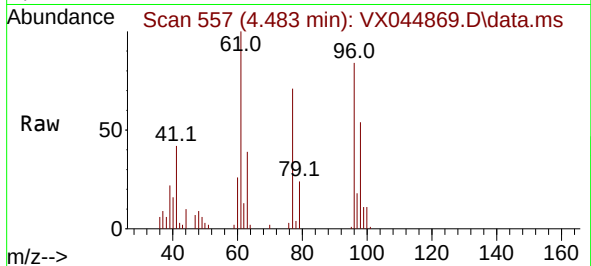
Tgt Ion: 96 Resp: 10662

Ion Ratio Lower Upper

96 100

61 140.8 0.0 294.0

98 62.4 0.0 131.2



#28

Bromochloromethane

Concen: 4.886 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

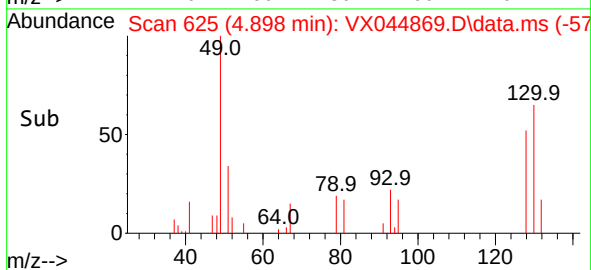
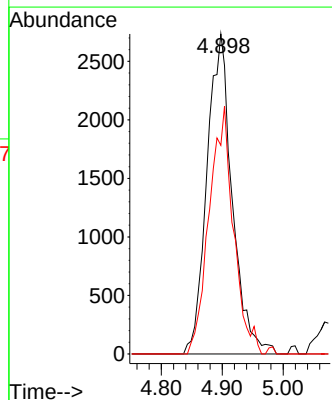
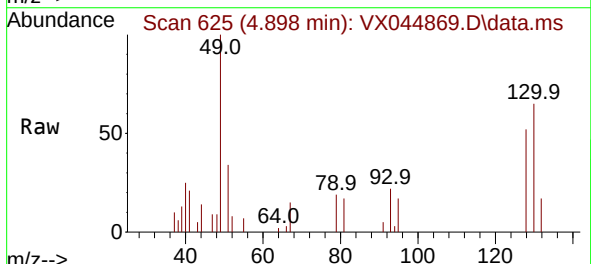
Tgt Ion: 49 Resp: 7881

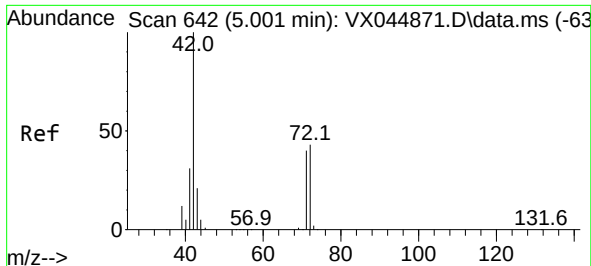
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 74.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 24.429 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

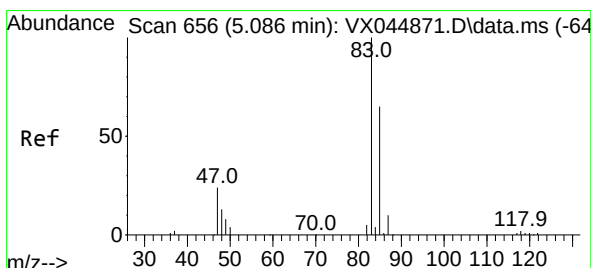
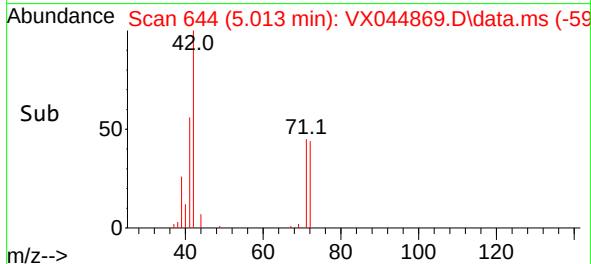
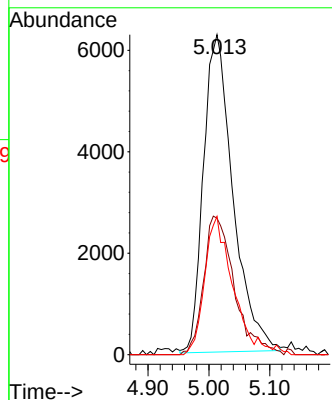
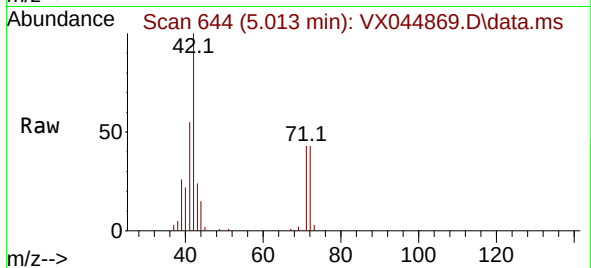
Tgt Ion: 42 Resp: 21097

Ion Ratio Lower Upper

42 100

72 45.3 35.0 52.4

71 41.6 32.6 48.8



#30

Chloroform

Concen: 5.054 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044869.D

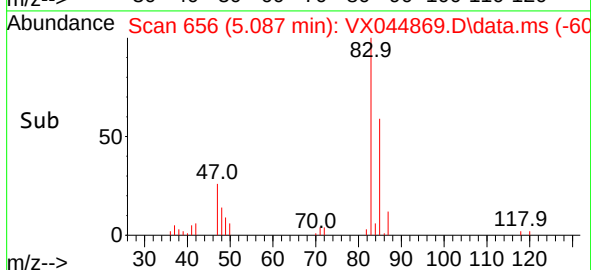
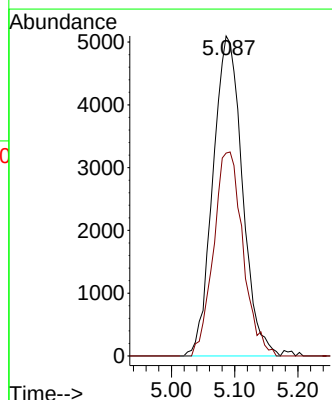
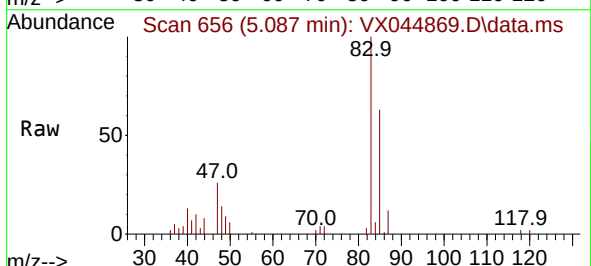
Acq: 10 Feb 2025 10:48

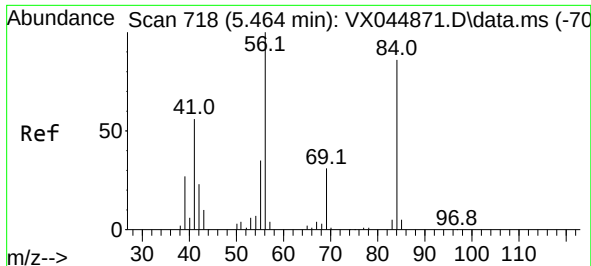
Tgt Ion: 83 Resp: 16449

Ion Ratio Lower Upper

83 100

85 63.4 52.1 78.1

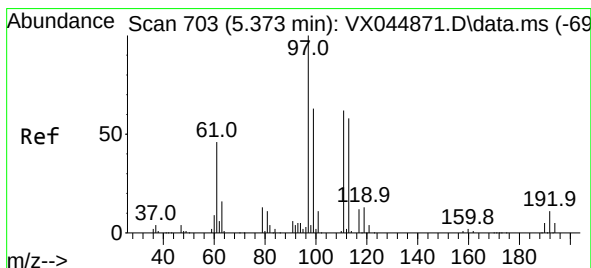
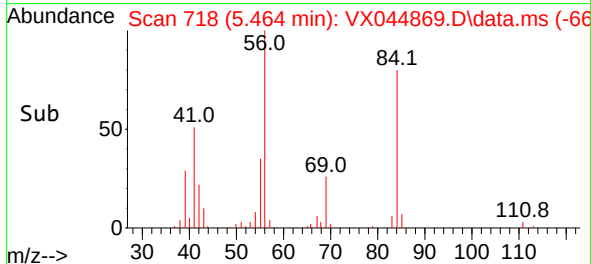
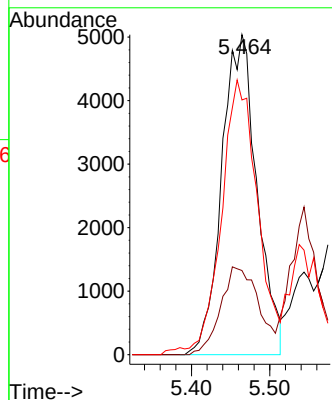
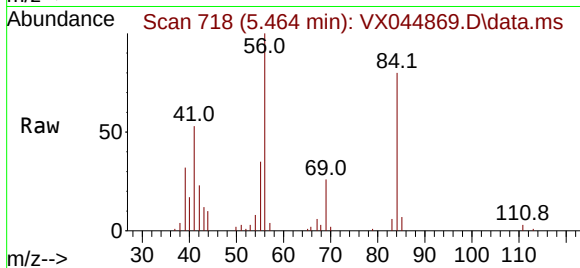




#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

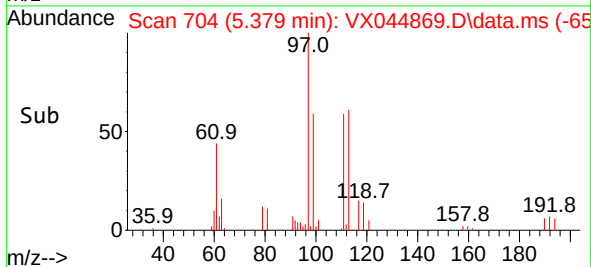
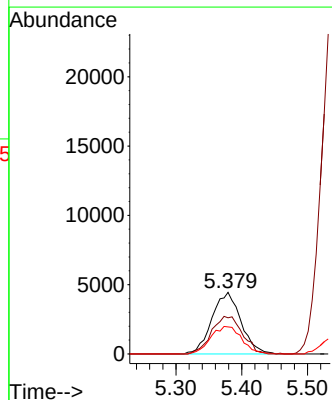
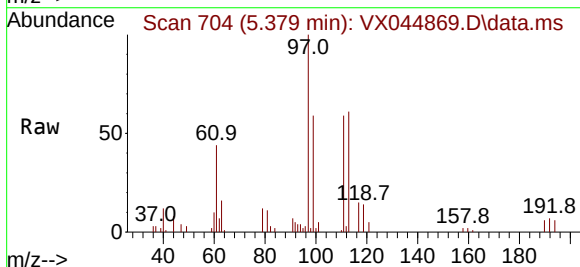
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

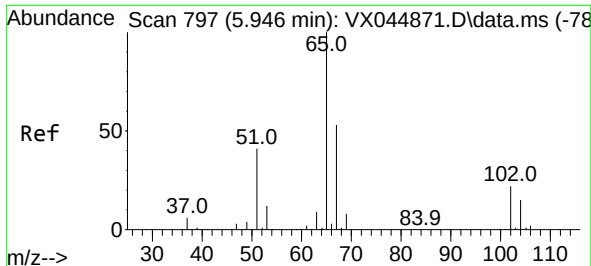
Tgt Ion:	56	Resp:	15705
Ion	Ratio	Lower	Upper
56	100		
69	26.3	24.4	36.6
84	77.4	69.0	103.6



#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	97	Resp:	13658
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	47.3	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 5.219 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

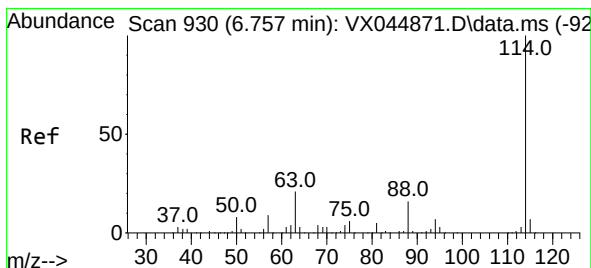
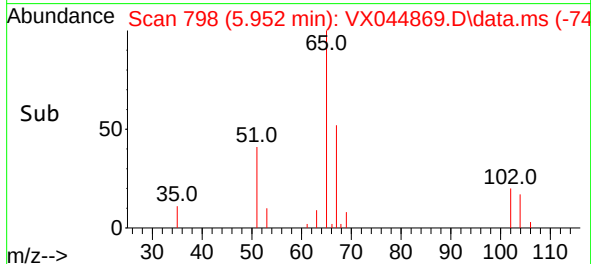
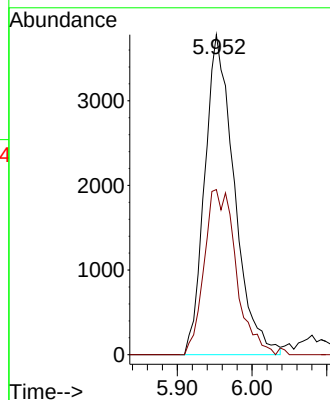
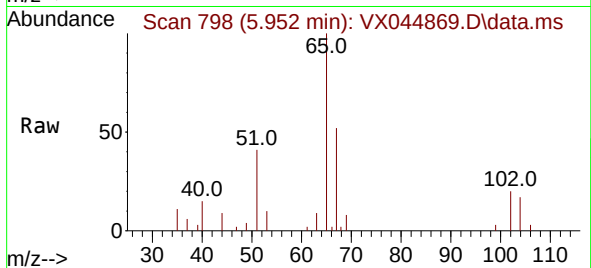
VSTDICC005

Tgt Ion: 65 Resp: 10397

Ion Ratio Lower Upper

65 100

67 55.6 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

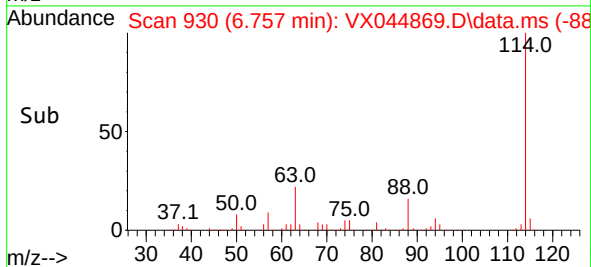
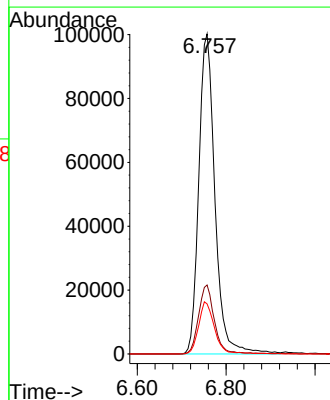
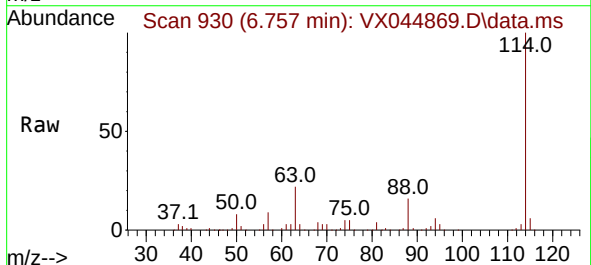
Tgt Ion: 114 Resp: 253314

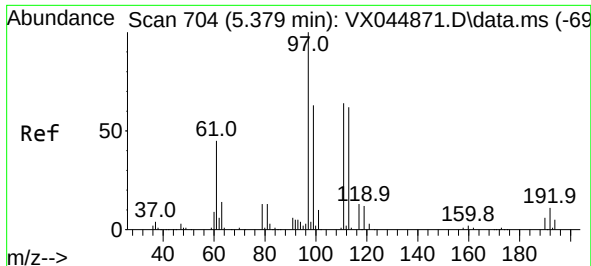
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 15.6 0.0 31.4

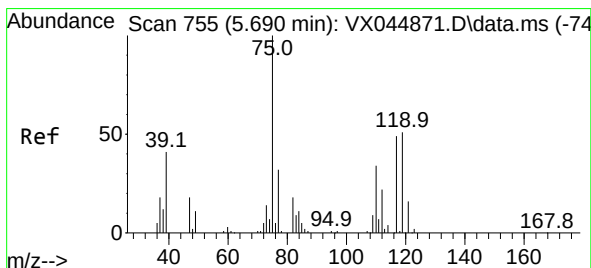
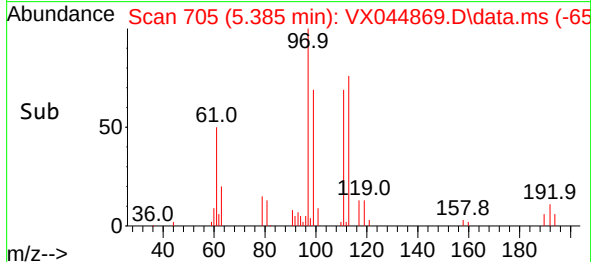
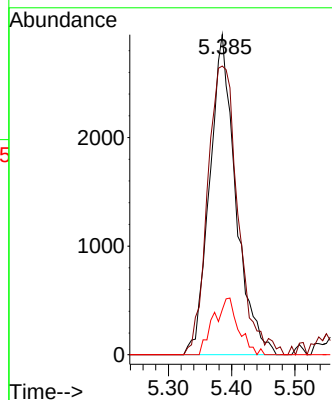
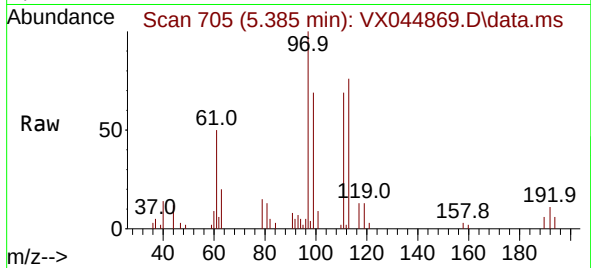




#35
Dibromofluoromethane
Concen: 5.150 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

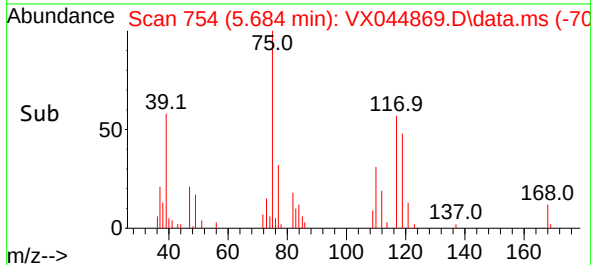
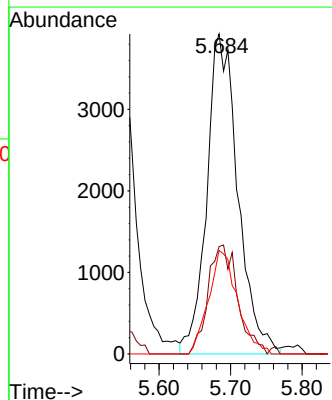
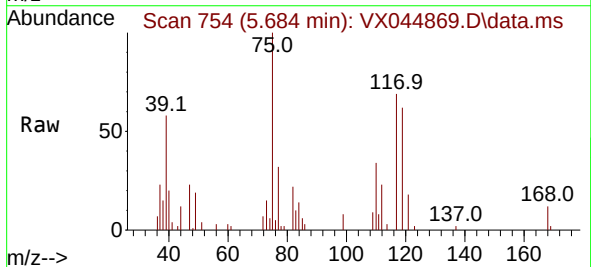
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

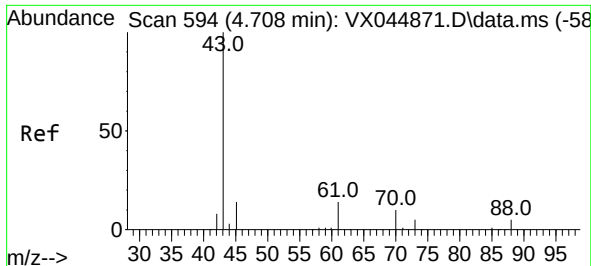
Tgt Ion:113 Resp: 8482
Ion Ratio Lower Upper
113 100
111 104.6 83.5 125.3
192 16.7 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11835
Ion Ratio Lower Upper
75 100
110 32.4 17.2 51.6
77 30.0 24.6 37.0





#37

Ethyl Acetate

Concen: 5.119 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

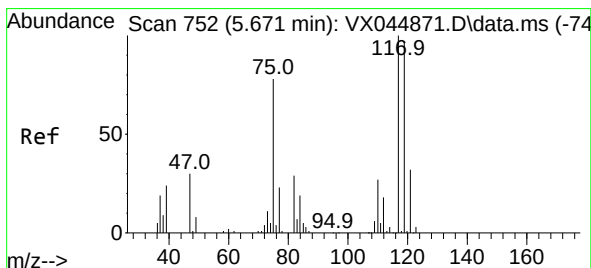
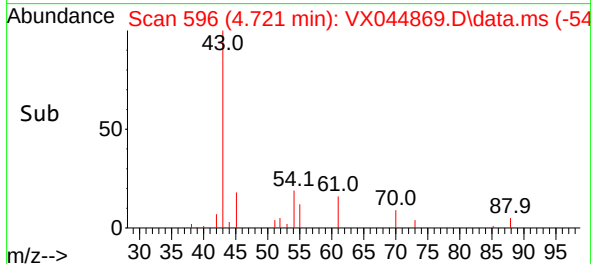
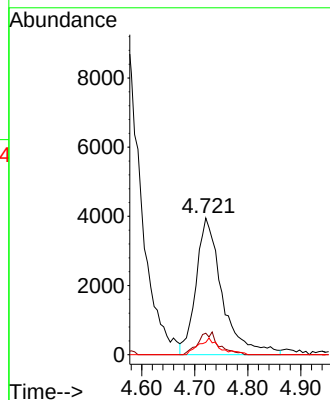
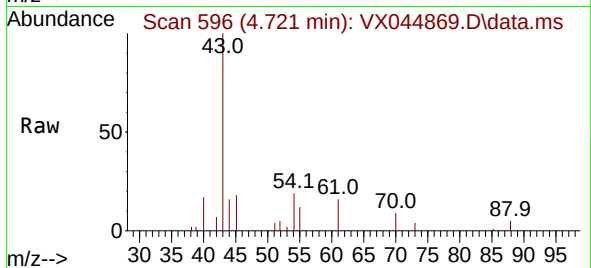
Tgt Ion: 43 Resp: 13530

Ion Ratio Lower Upper

43 100

61 13.0 11.0 16.4

70 9.8 8.2 12.2



#38

Carbon Tetrachloride

Concen: 5.066 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

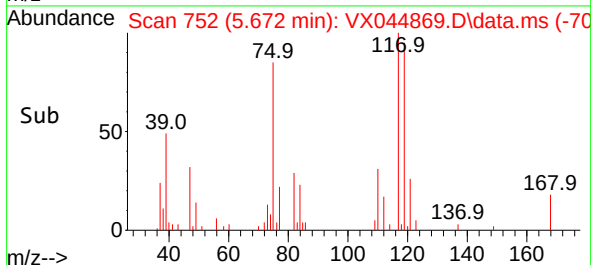
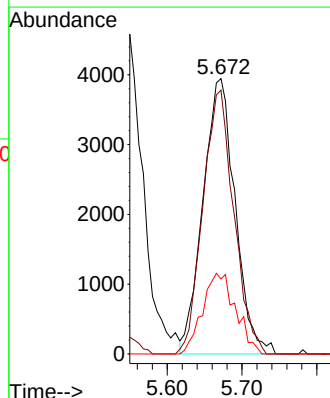
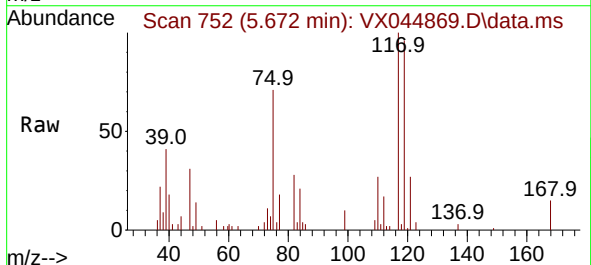
Tgt Ion: 117 Resp: 11797

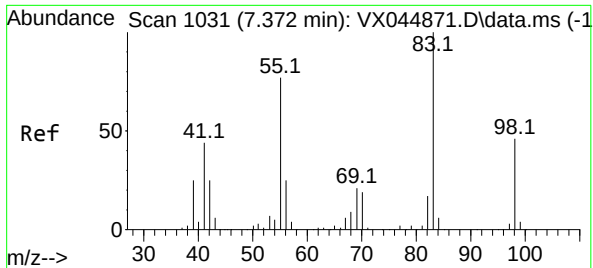
Ion Ratio Lower Upper

117 100

119 95.8 77.5 116.3

121 27.2 25.6 38.4

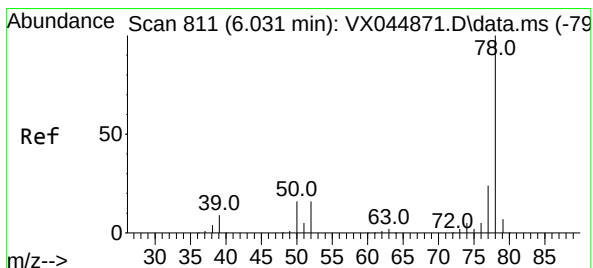
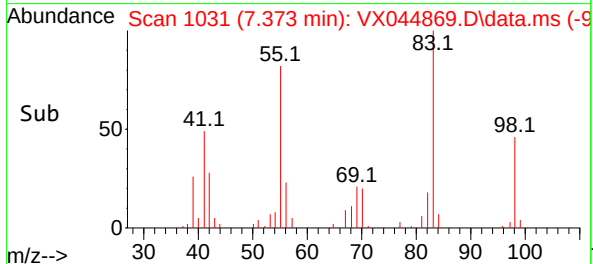
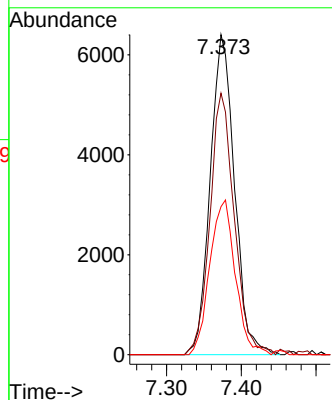
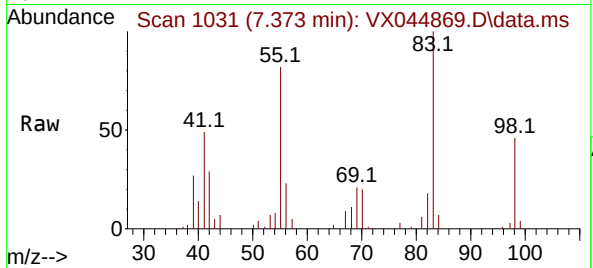




#39
Methylcyclohexane
Concen: 4.711 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

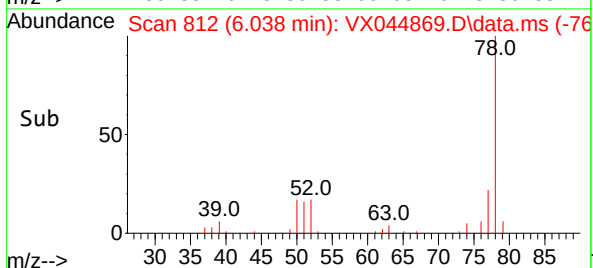
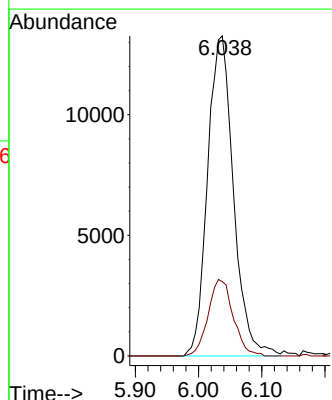
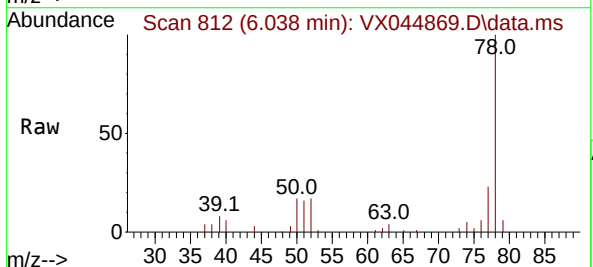
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

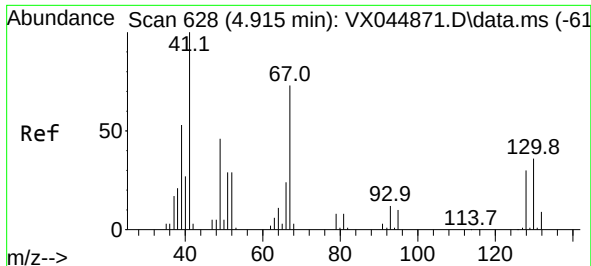
Tgt Ion: 83	Resp: 14472
Ion Ratio	Lower Upper
83 100	
55 81.7	61.3 91.9
98 46.3	37.0 55.6



#40
Benzene
Concen: 5.079 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 78	Resp: 37687
Ion Ratio	Lower Upper
78 100	
77 23.3	19.0 28.6

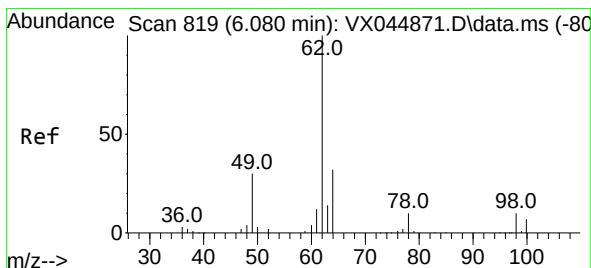
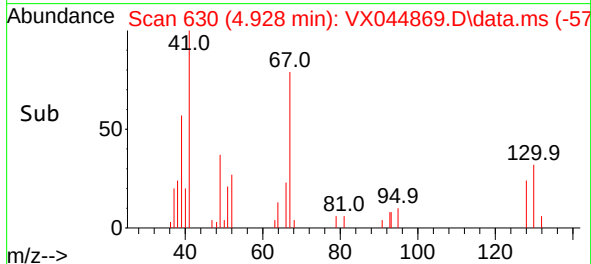
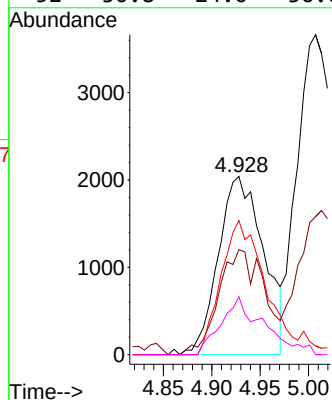
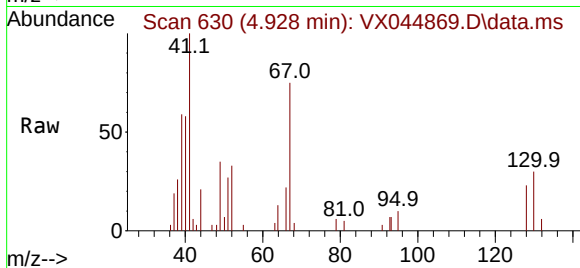




#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

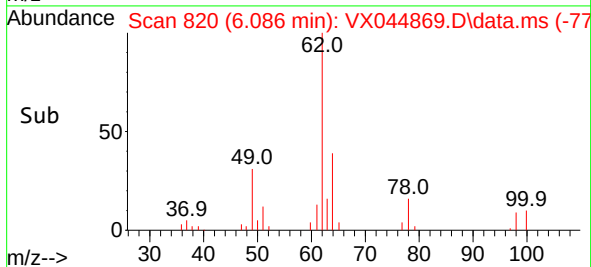
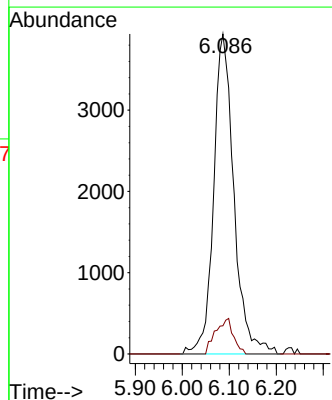
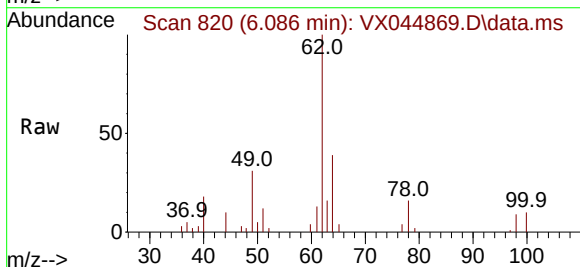
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

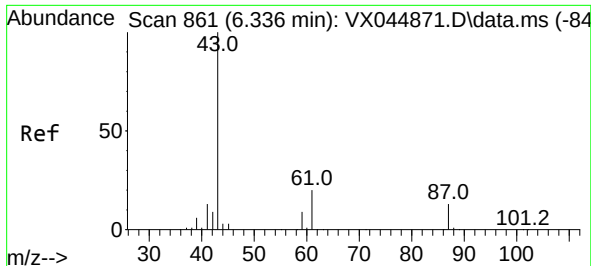
Tgt Ion:	41	Resp:	6648
Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.1	64.7
67	72.7	57.0	85.6
52	30.8	24.0	36.0



#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	62	Resp:	11789
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

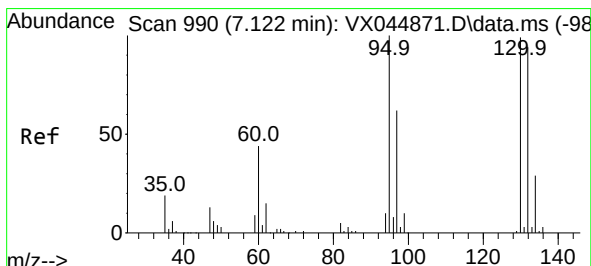
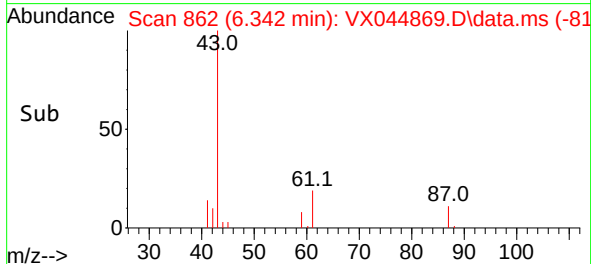
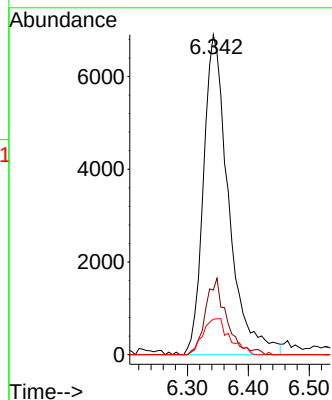
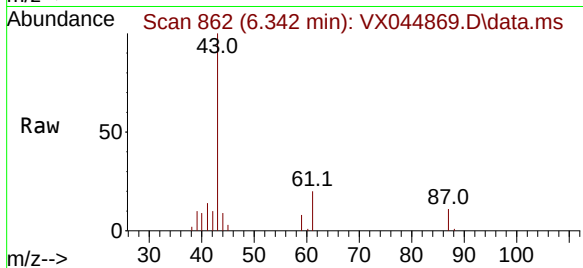




#43
Isopropyl Acetate
Concen: 4.640 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

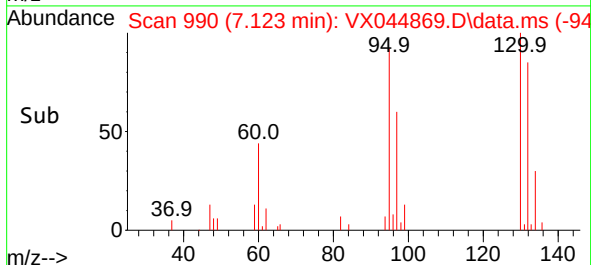
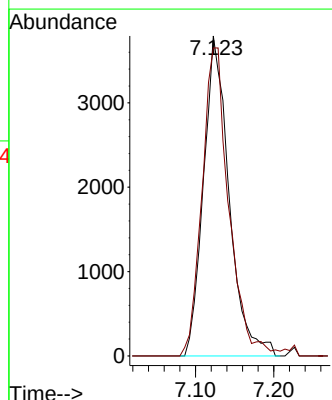
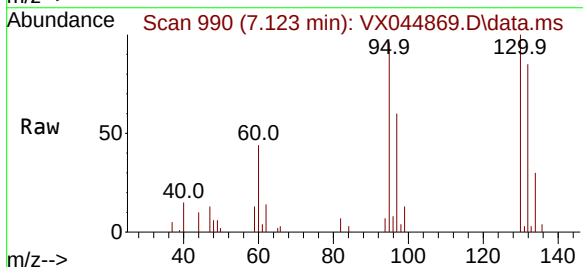
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

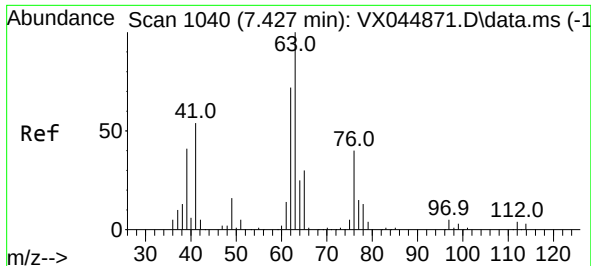
Tgt Ion: 43 Resp: 19803
Ion Ratio Lower Upper
43 100
61 20.2 15.8 23.8
87 11.9 10.0 15.0



#44
Trichloroethene
Concen: 5.079 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:130 Resp: 8614
Ion Ratio Lower Upper
130 100
95 96.2 0.0 202.4

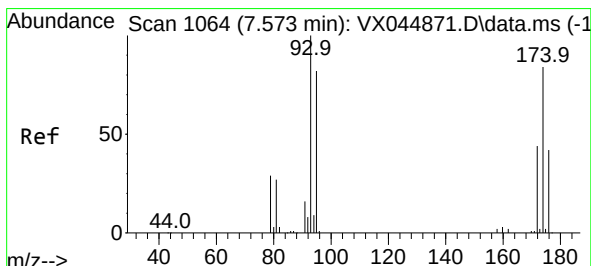
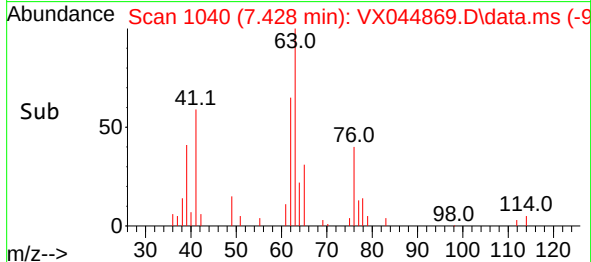
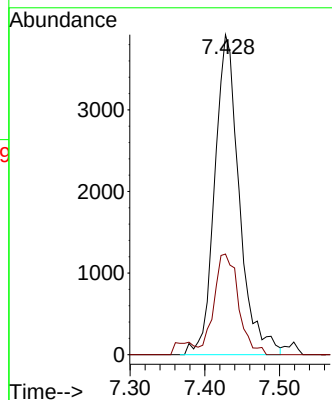
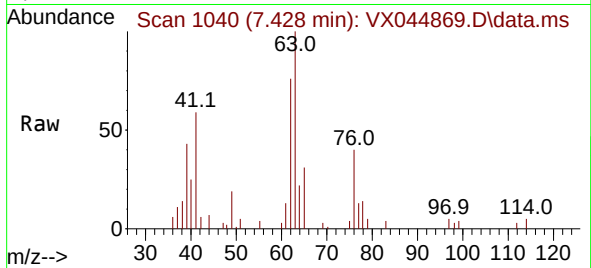




#45
1,2-Dichloropropane
Concen: 4.863 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

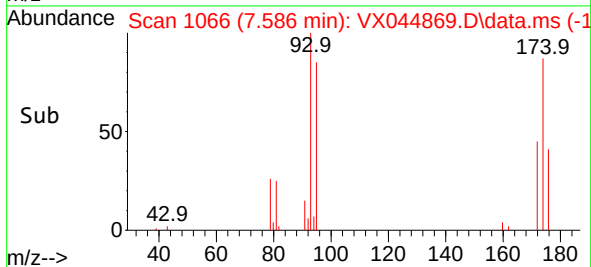
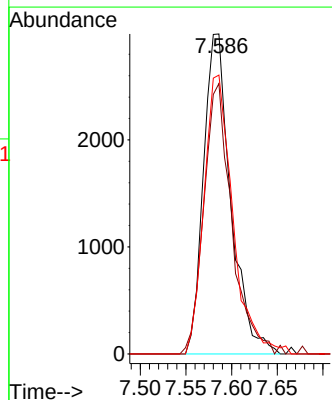
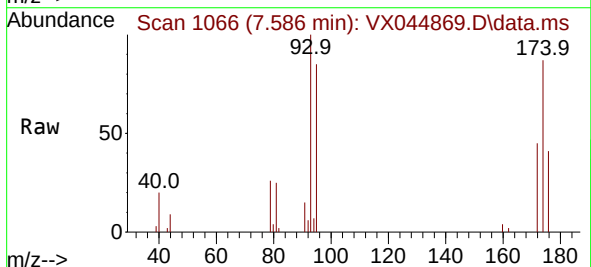
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

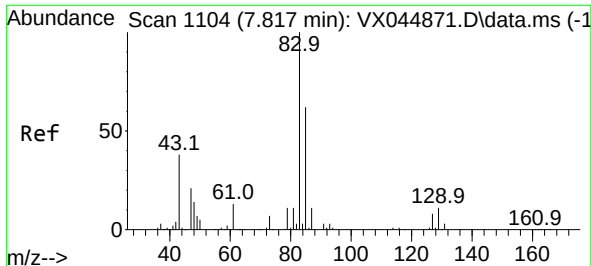
Tgt Ion: 63 Resp: 8976
Ion Ratio Lower Upper
63 100
65 31.4 24.2 36.4



#46
Dibromomethane
Concen: 4.851 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 93 Resp: 6210
Ion Ratio Lower Upper
93 100
95 86.4 66.2 99.4
174 92.2 69.9 104.9

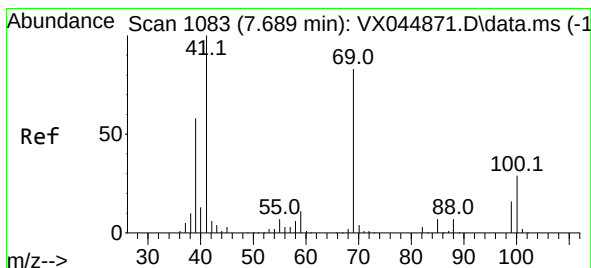
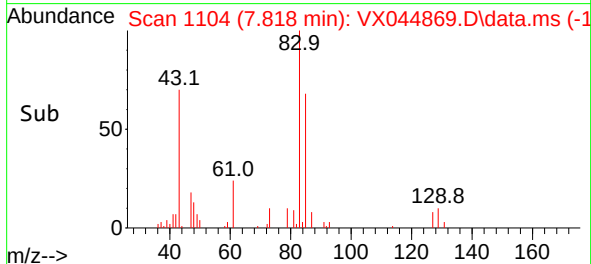
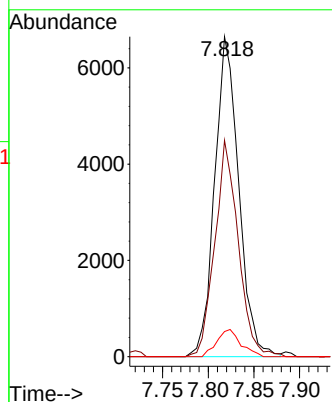
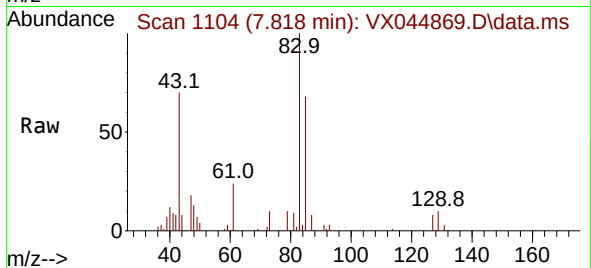




#47
Bromodichloromethane
Concen: 4.911 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

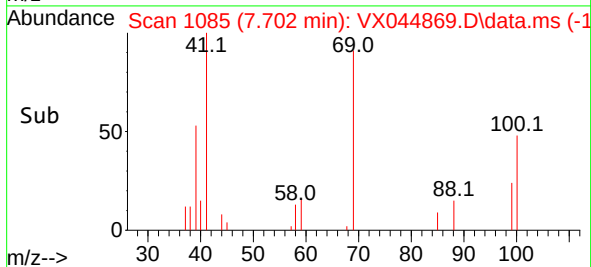
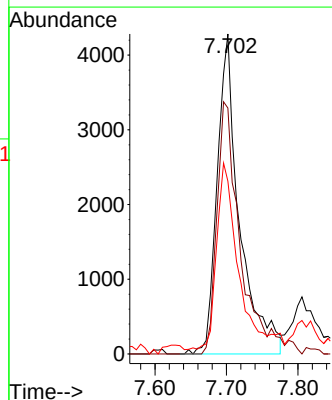
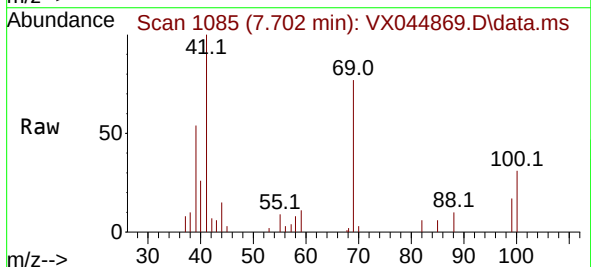
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

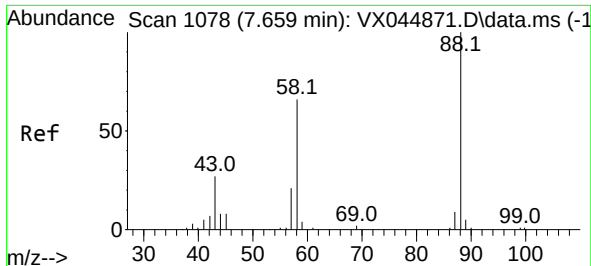
Tgt Ion: 83 Resp: 12173
Ion Ratio Lower Upper
83 100
85 67.6 50.0 75.0
127 7.8 6.4 9.6



#48
Methyl methacrylate
Concen: 4.620 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 9298
Ion Ratio Lower Upper
41 100
69 83.0 65.8 98.8
39 54.6 46.4 69.6





#49

1,4-Dioxane

Concen: 101.099 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.019 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

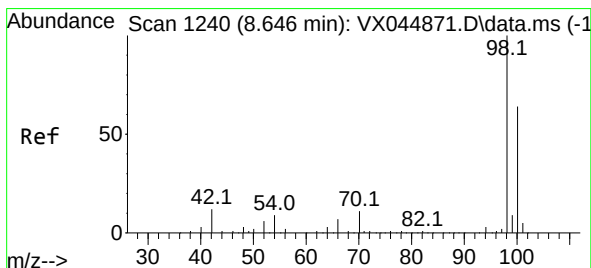
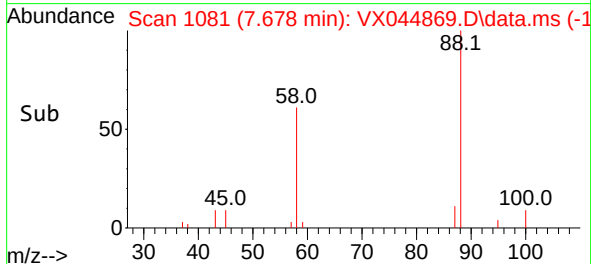
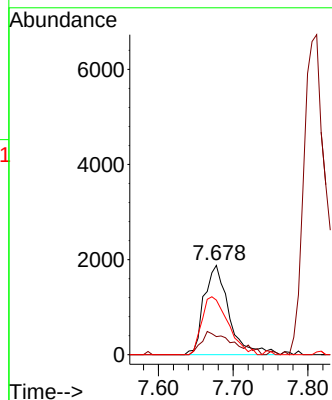
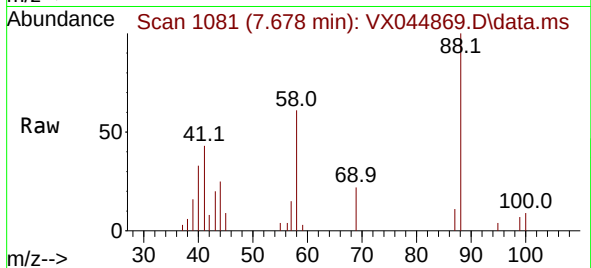
Tgt Ion: 88 Resp: 4365

Ion Ratio Lower Upper

88 100

43 32.3 26.6 39.8

58 67.9 55.9 83.9



#50

Toluene-d8

Concen: 5.039 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044869.D

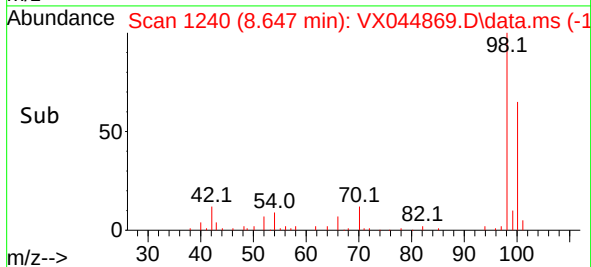
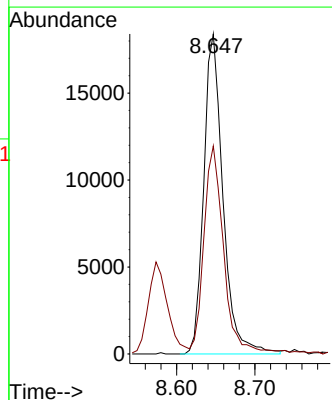
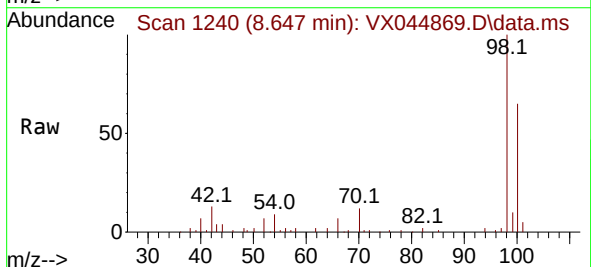
Acq: 10 Feb 2025 10:48

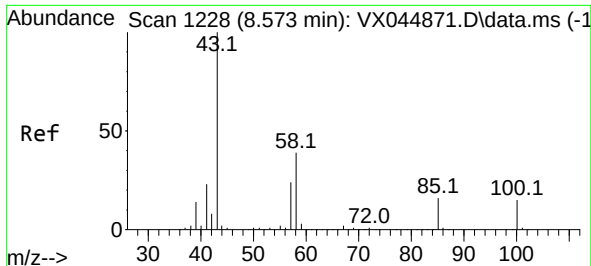
Tgt Ion: 98 Resp: 31381

Ion Ratio Lower Upper

98 100

100 67.8 52.7 79.1

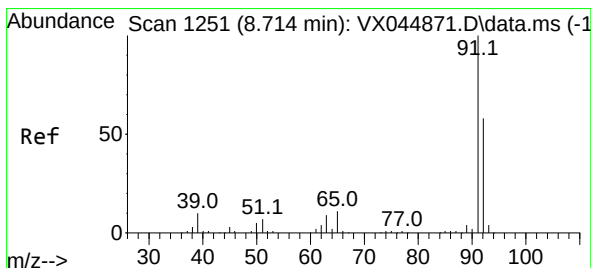
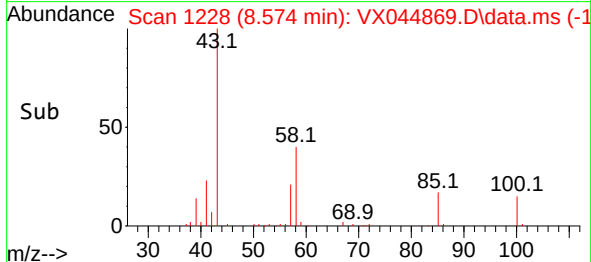
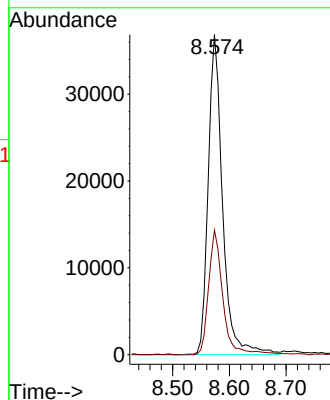
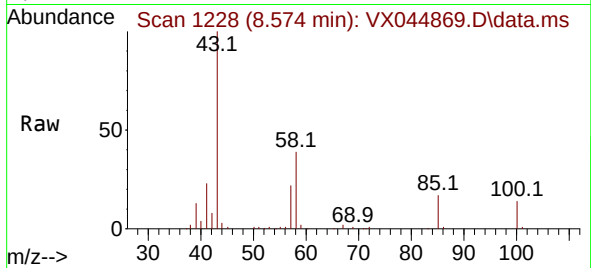




#51
4-Methyl-2-Pentanone
Concen: 25.076 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

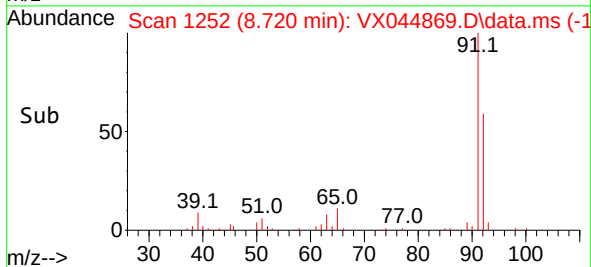
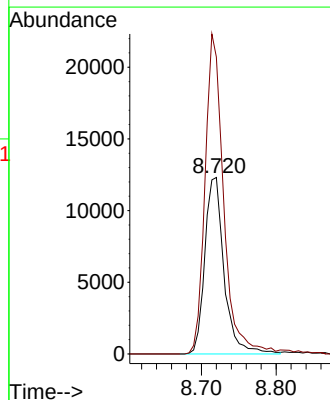
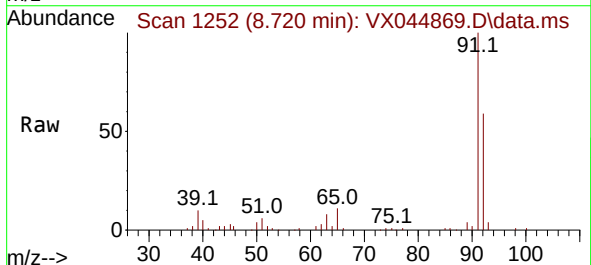
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

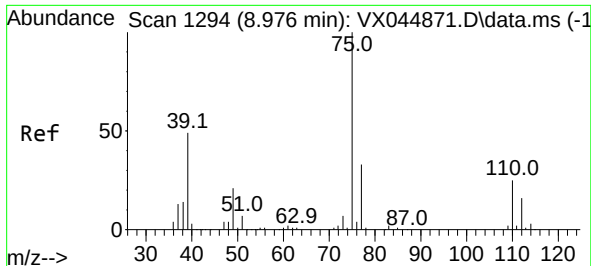
Tgt Ion: 43 Resp: 65064
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2



#52
Toluene
Concen: 4.999 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 92 Resp: 22090
Ion Ratio Lower Upper
92 100
91 177.1 137.4 206.2

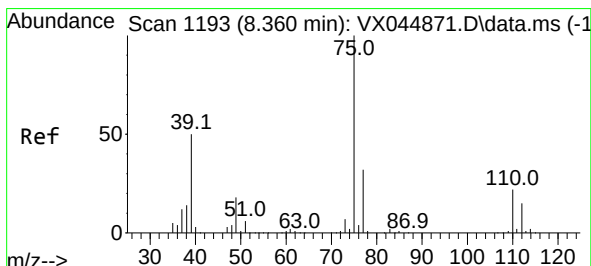
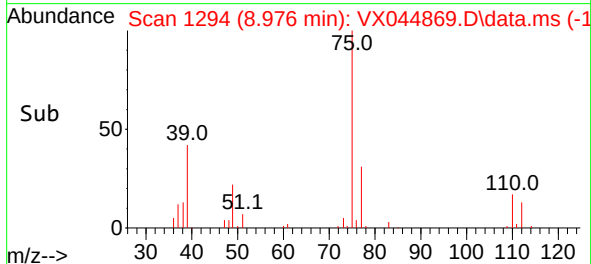
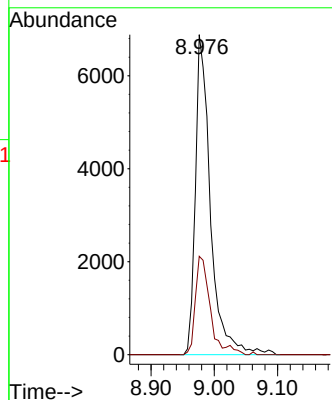
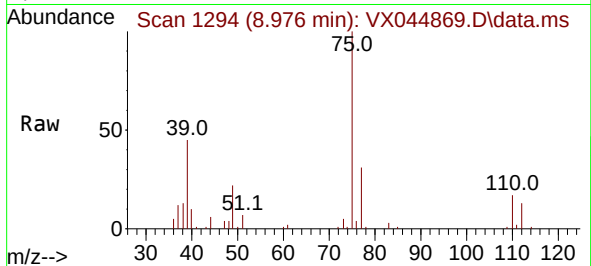




#53
 t-1,3-Dichloropropene
 Concen: 4.550 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

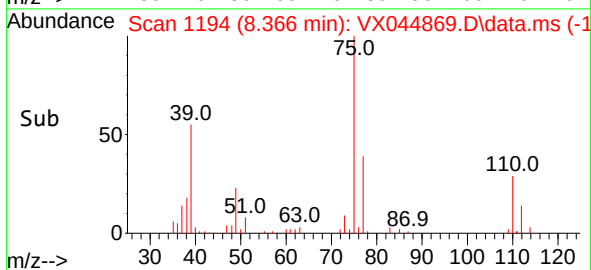
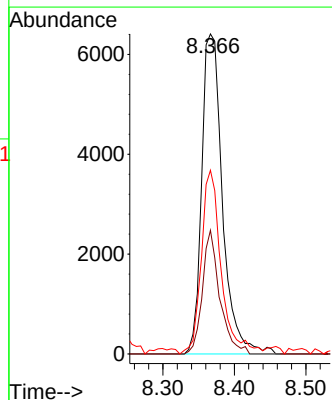
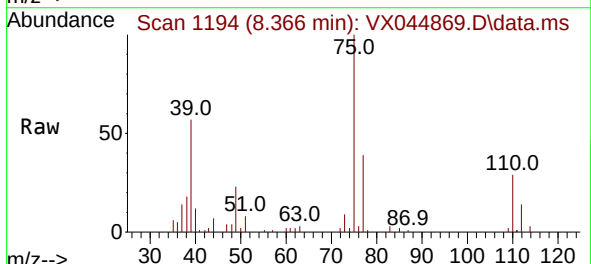
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

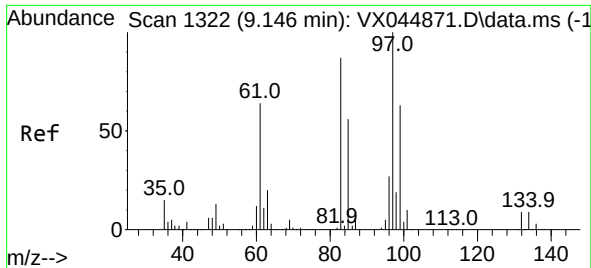
Tgt Ion: 75 Resp: 11413
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 4.628 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 12943
 Ion Ratio Lower Upper
 75 100
 77 38.7 25.3 37.9#
 39 57.4 40.0 60.0

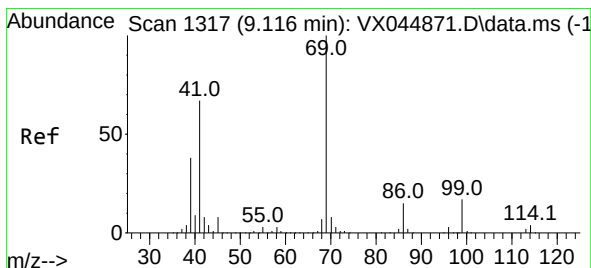
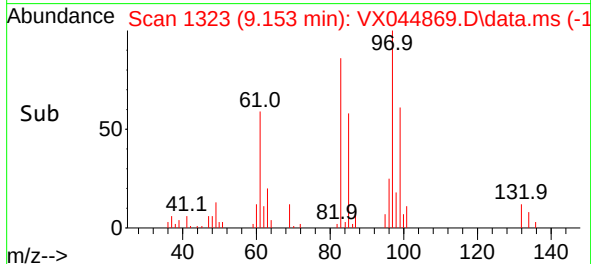
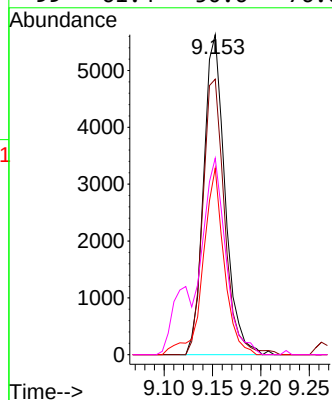
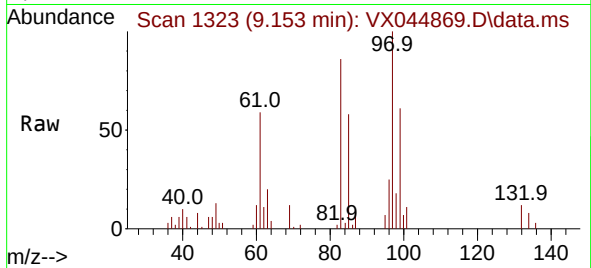




#55
 1,1,2-Trichloroethane
 Concen: 5.099 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

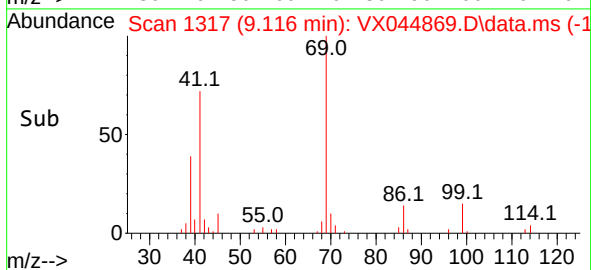
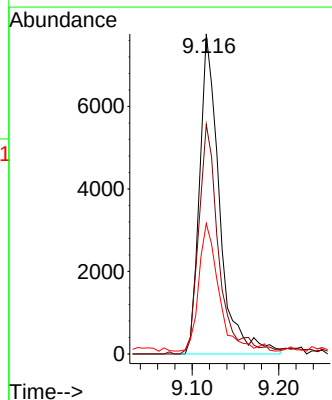
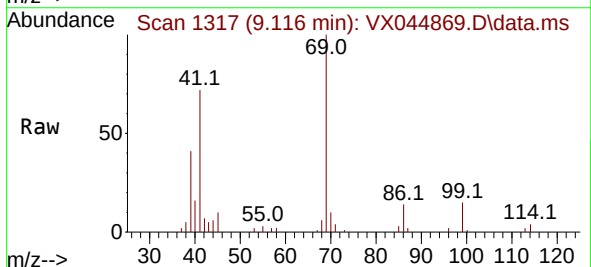
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

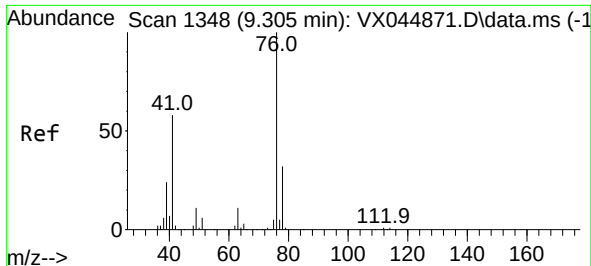
Tgt Ion: 97	Resp: 8662
Ion Ratio	Lower Upper
97 100	
83 86.1	69.8 104.6
85 58.3	44.8 67.2
99 61.4	50.6 76.0



#56
 Ethyl methacrylate
 Concen: 4.502 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion: 69	Resp: 12351
Ion Ratio	Lower Upper
69 100	
41 73.0	55.2 82.8
39 39.5	30.8 46.2





#57

1,3-Dichloropropane

Concen: 4.993 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

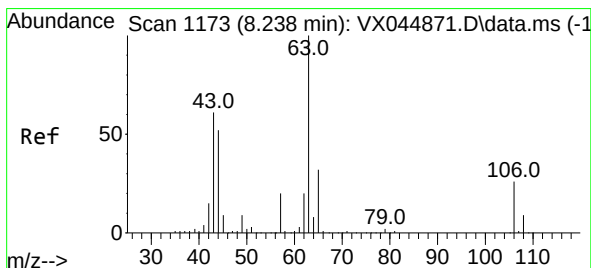
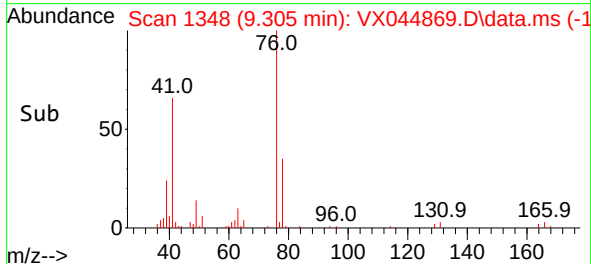
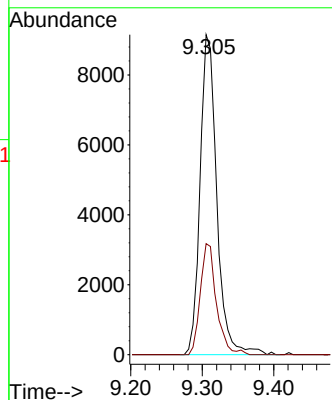
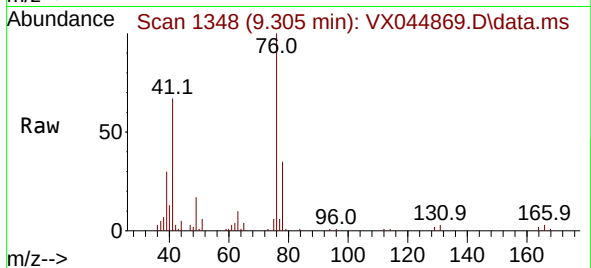
VSTDICC005

Tgt Ion: 76 Resp: 14839

Ion Ratio Lower Upper

76 100

78 33.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 23.382 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044869.D

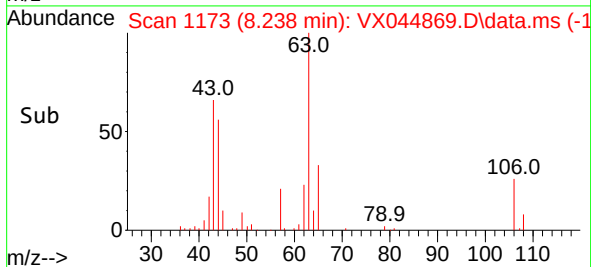
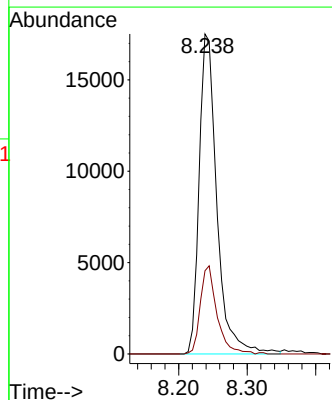
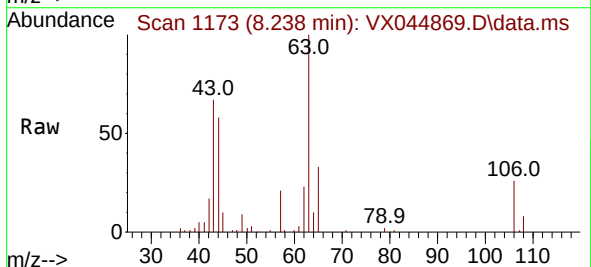
Acq: 10 Feb 2025 10:48

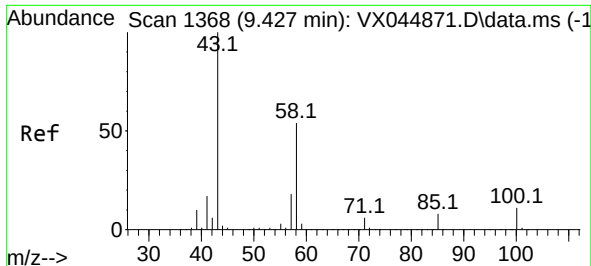
Tgt Ion: 63 Resp: 31498

Ion Ratio Lower Upper

63 100

106 25.8 21.3 31.9





#59

2-Hexanone

Concen: 24.359 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

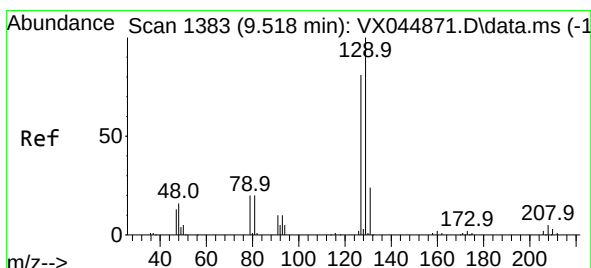
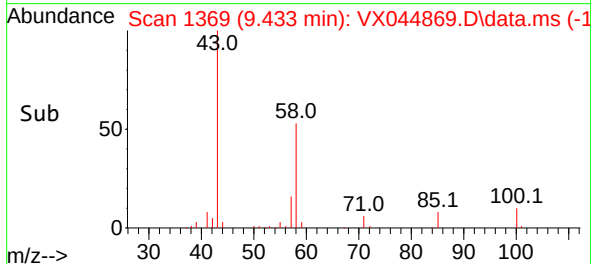
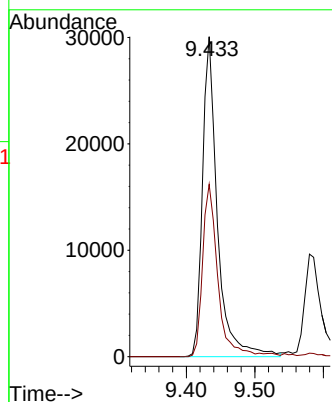
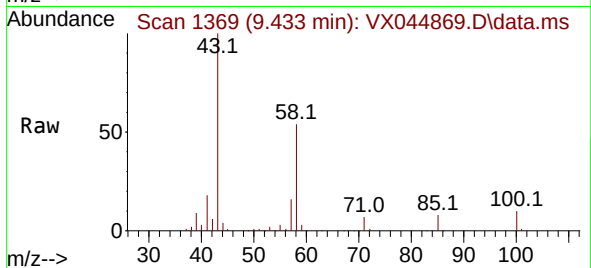
VSTDIC005

Tgt Ion: 43 Resp: 45538

Ion Ratio Lower Upper

43 100

58 55.5 27.5 82.4



#60

Dibromochloromethane

Concen: 4.771 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044869.D

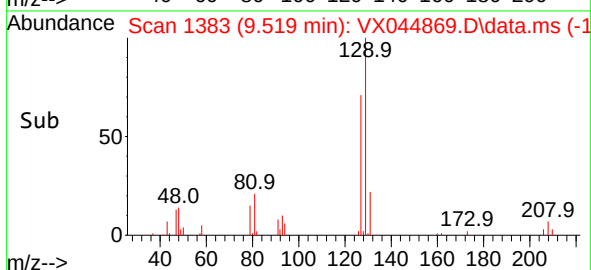
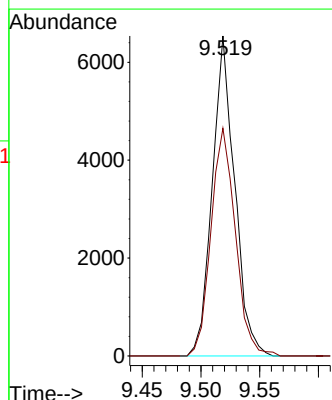
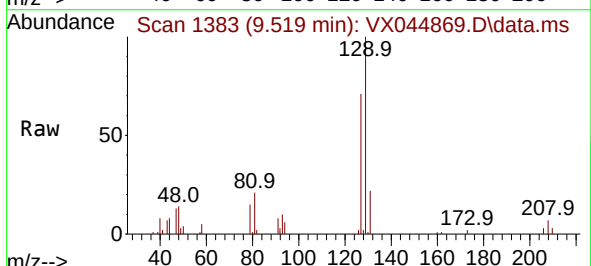
Acq: 10 Feb 2025 10:48

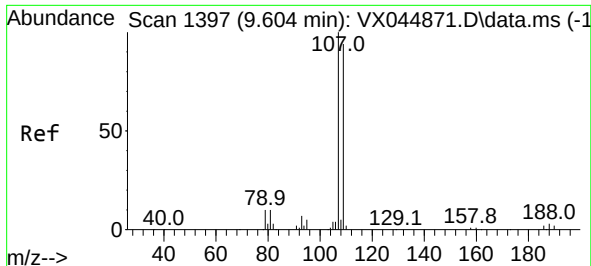
Tgt Ion: 129 Resp: 8668

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3

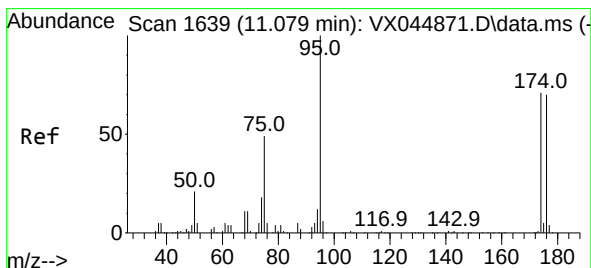
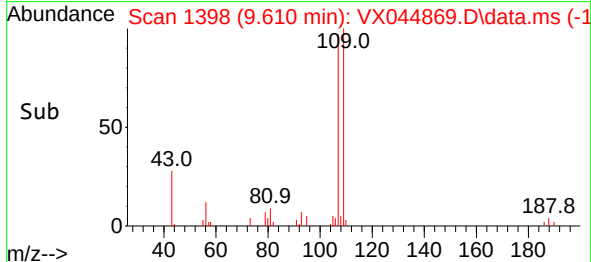
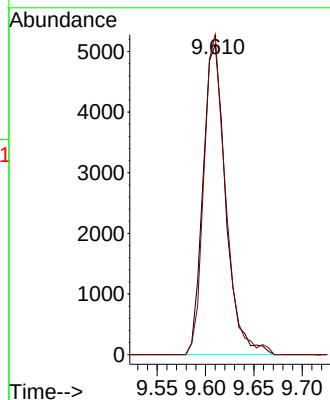
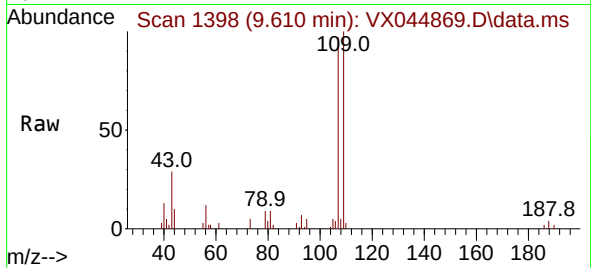




#61
 1,2-Dibromoethane
 Concen: 4.852 ug/l
 RT: 9.610 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

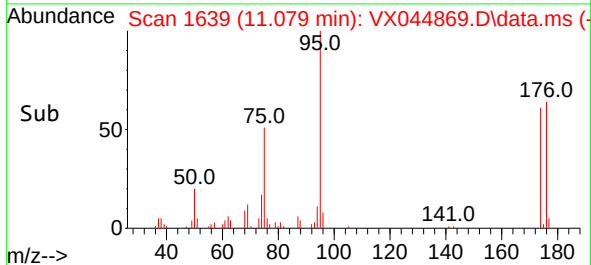
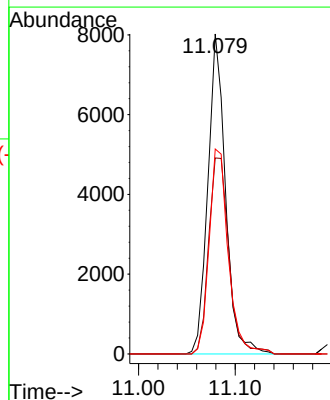
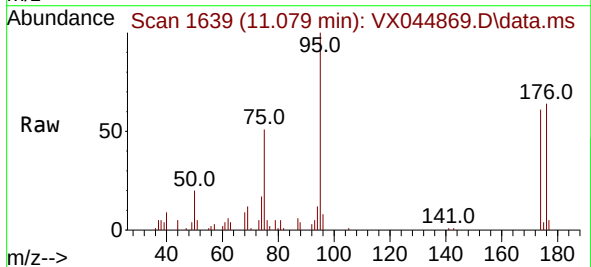
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

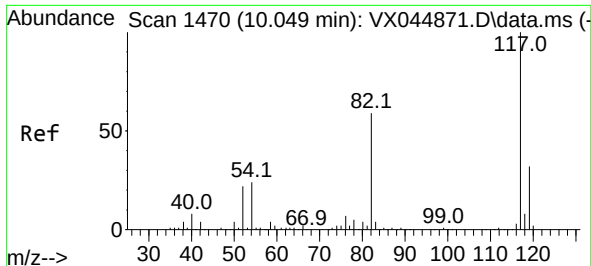
Tgt Ion:107 Resp: 8353
 Ion Ratio Lower Upper
 107 100
 109 98.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 4.872 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229
 Ion Ratio Lower Upper
 95 100
 174 70.3 0.0 142.6
 176 69.3 0.0 141.6

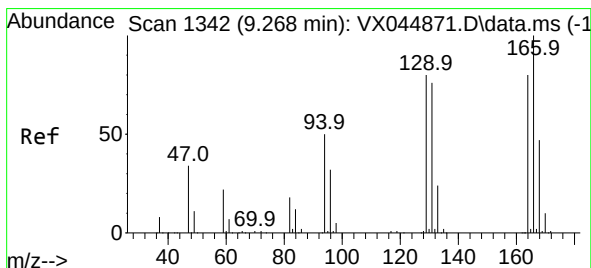
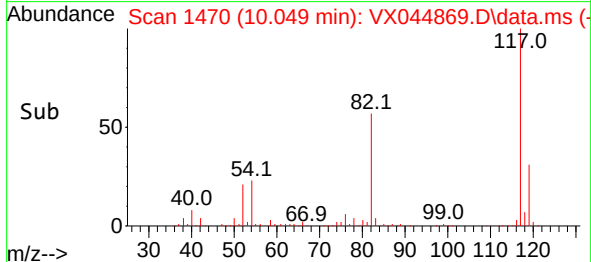
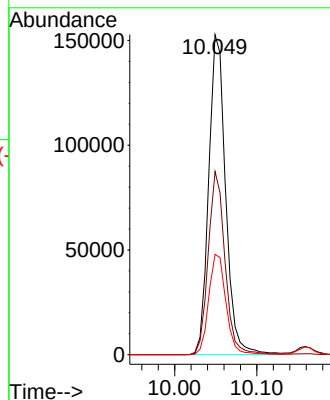
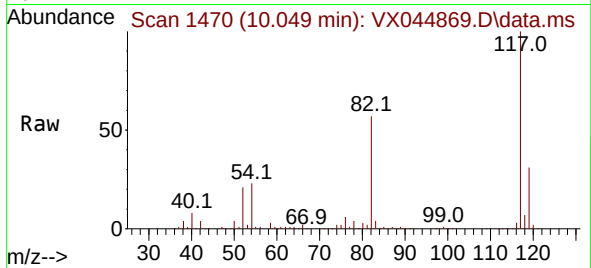




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

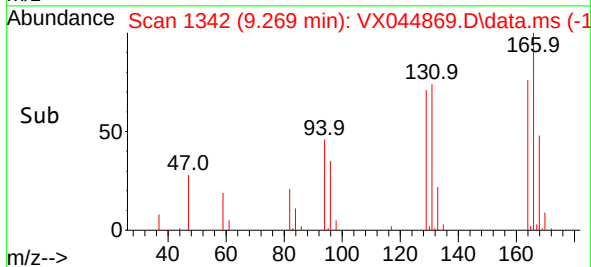
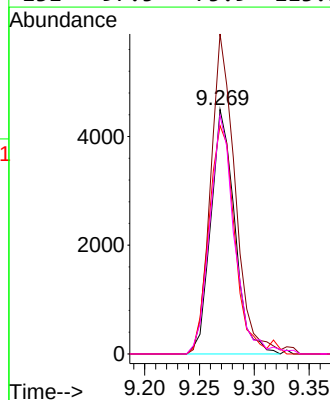
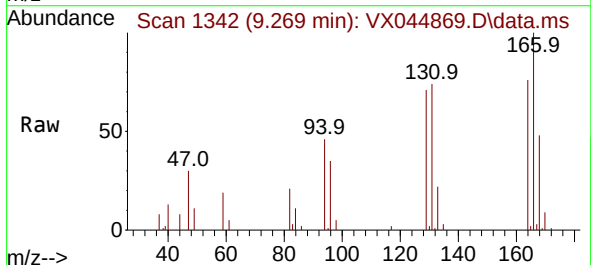
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

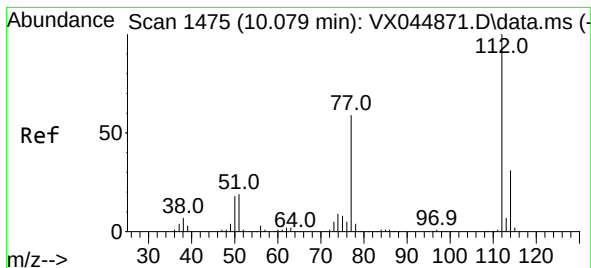
Tgt Ion:117 Resp: 218625
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 31.4 25.4 38.0



#64
Tetrachloroethene
Concen: 4.934 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:164 Resp: 6803
Ion Ratio Lower Upper
164 100
166 130.9 100.4 150.6
129 93.4 79.9 119.9
131 97.5 75.9 113.9

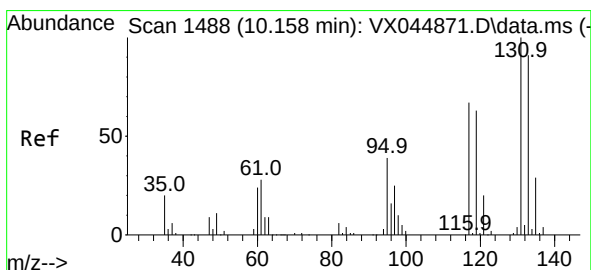
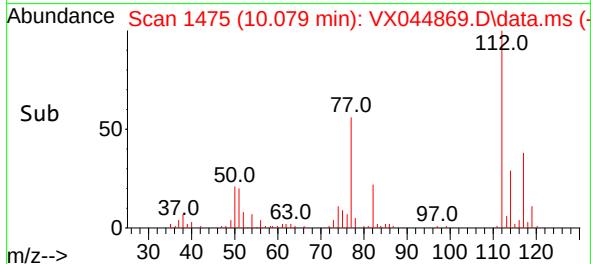
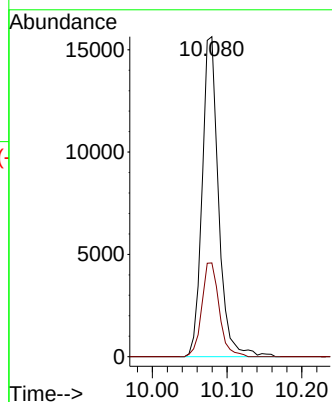
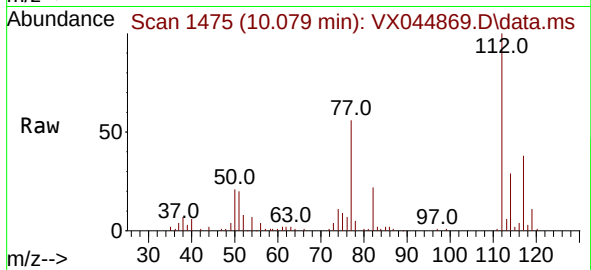




#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

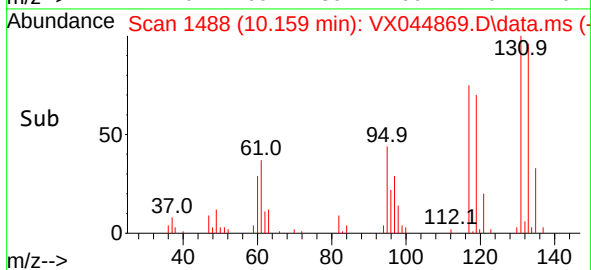
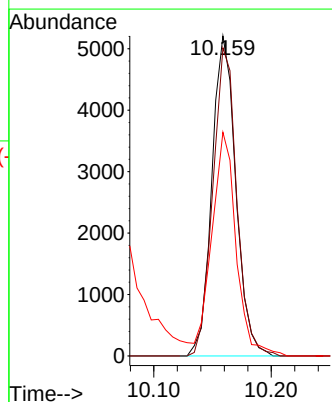
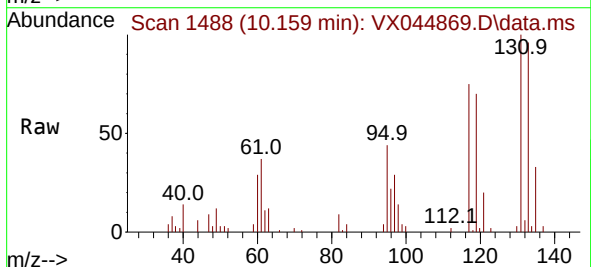
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

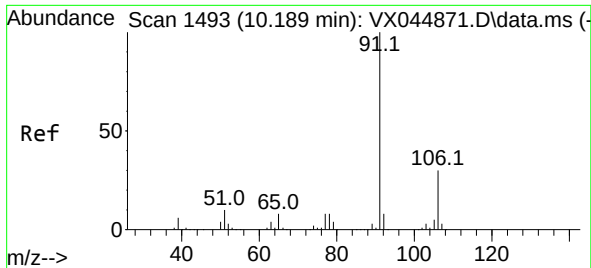
Tgt Ion:112 Resp: 23903
Ion Ratio Lower Upper
112 100
114 29.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:131 Resp: 7380
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.3
119 70.5 33.6 100.6

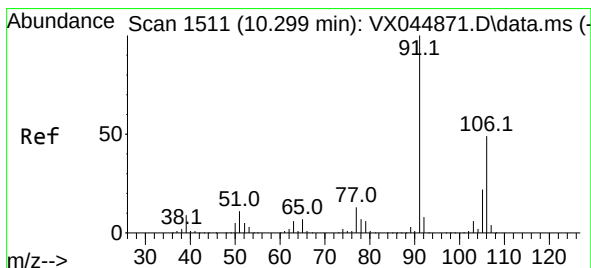
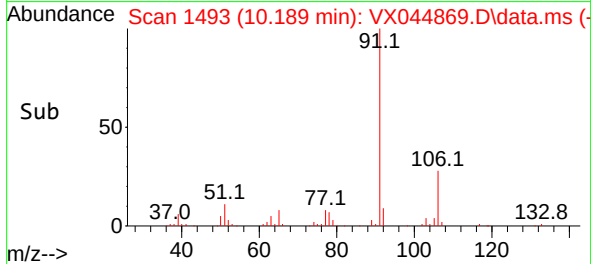
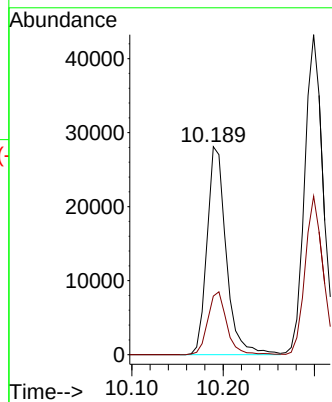
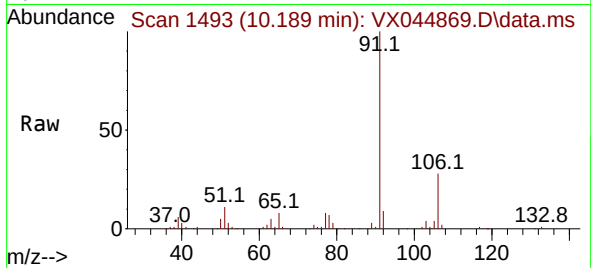




#67
Ethyl Benzene
Concen: 4.941 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

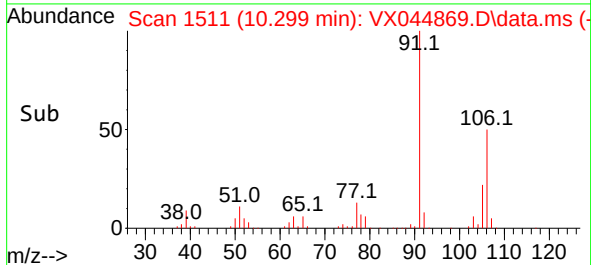
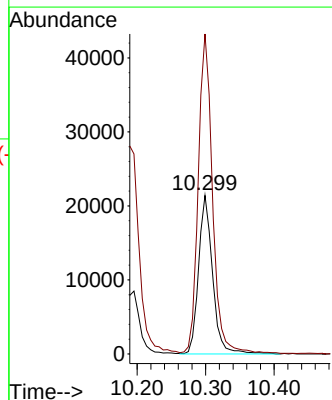
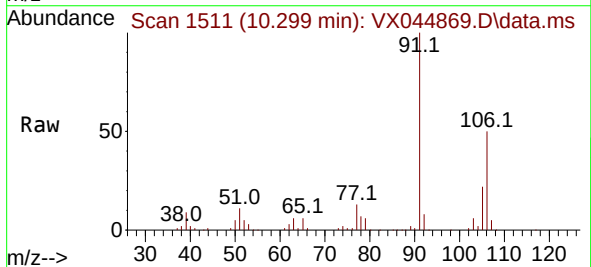
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

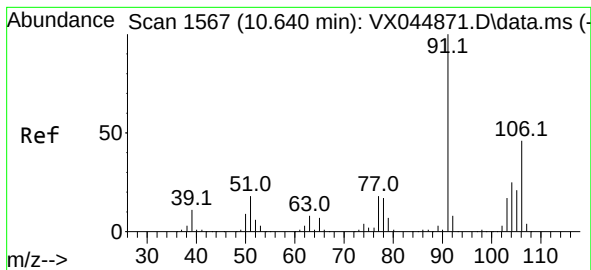
Tgt Ion: 91 Resp: 40945
Ion Ratio Lower Upper
91 100
106 28.1 23.9 35.9



#68
m/p-Xylenes
Concen: 10.019 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 106 Resp: 30627
Ion Ratio Lower Upper
106 100
91 204.6 164.3 246.5

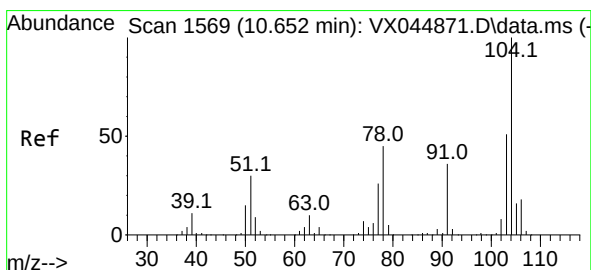
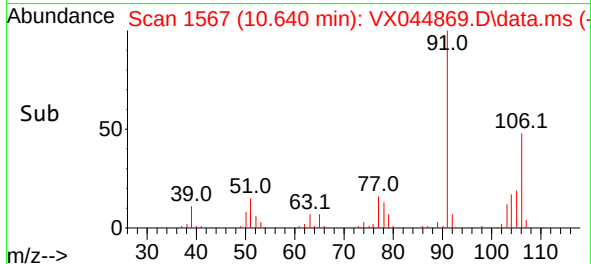
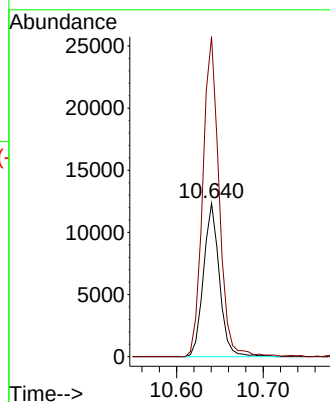
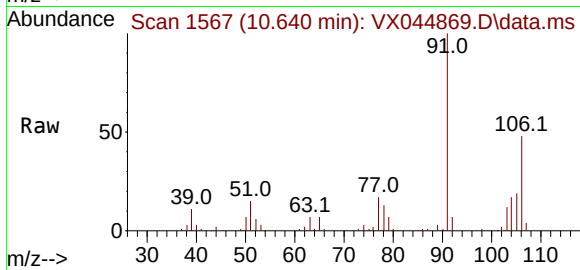




#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

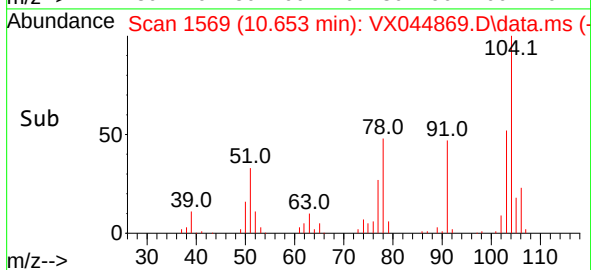
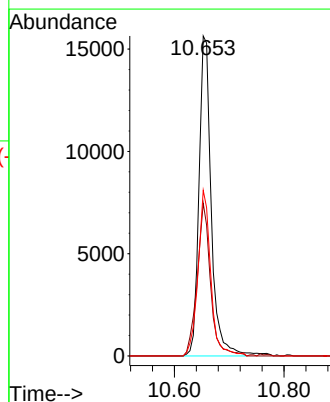
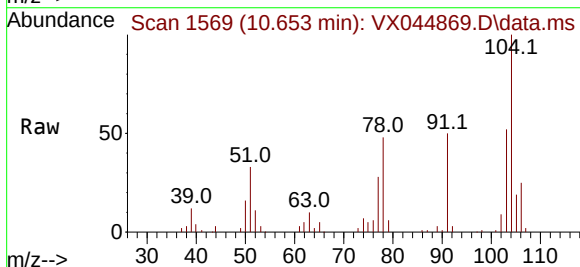
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

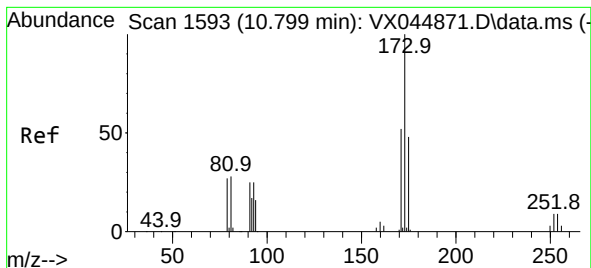
Tgt Ion:106 Resp: 15761
Ion Ratio Lower Upper
106 100
91 213.9 108.5 325.5



#70
Styrene
Concen: 4.973 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:104 Resp: 24576
Ion Ratio Lower Upper
104 100
78 51.3 40.5 60.7
103 53.4 43.6 65.4

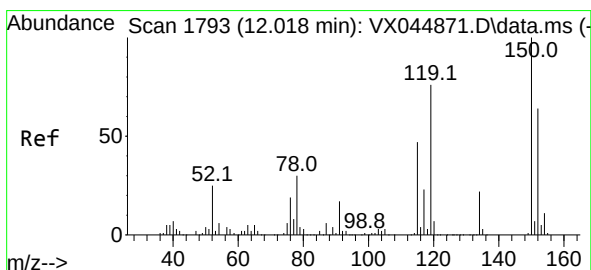
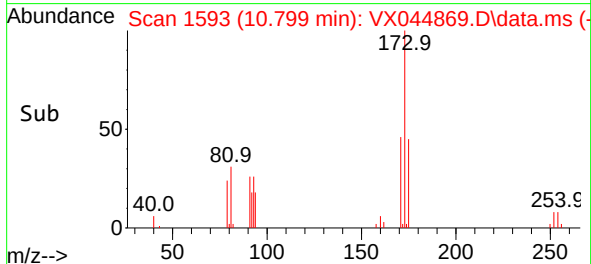
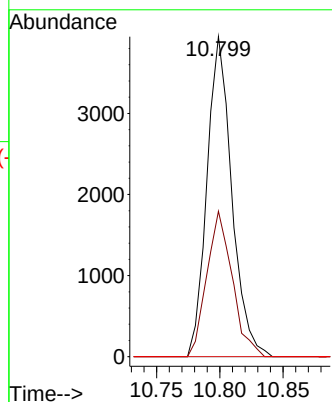
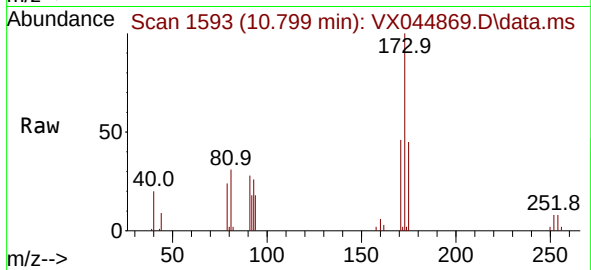




#71
Bromoform
Concen: 4.779 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

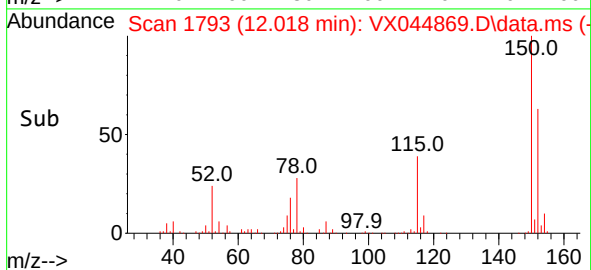
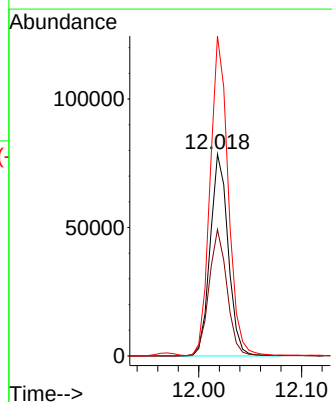
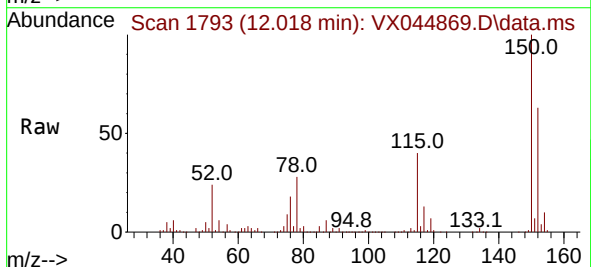
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

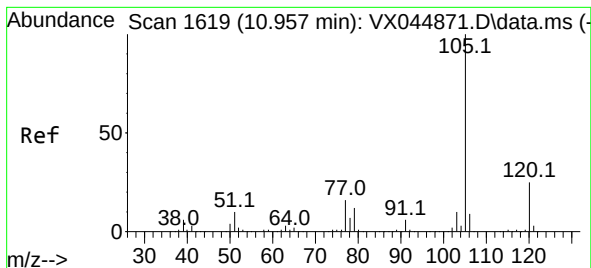
Tgt Ion:173 Resp: 5391
Ion Ratio Lower Upper
173 100
175 46.6 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:152 Resp: 95494
Ion Ratio Lower Upper
152 100
115 63.3 43.4 130.1
150 159.0 0.0 350.4





#73

Isopropylbenzene

Concen: 4.983 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

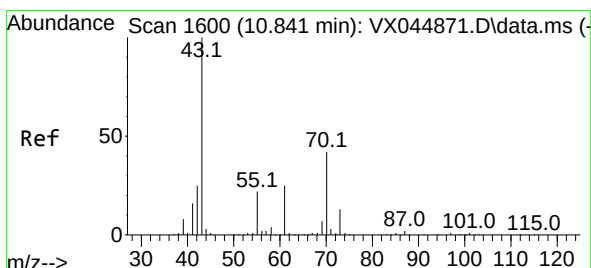
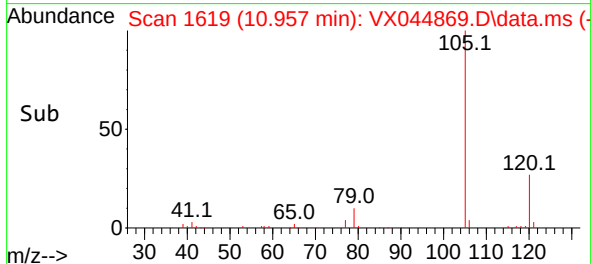
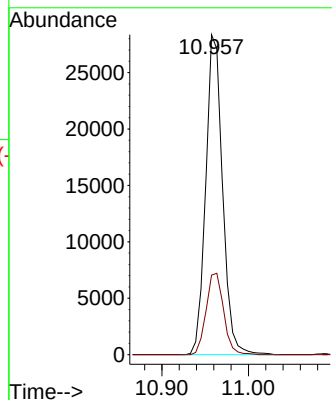
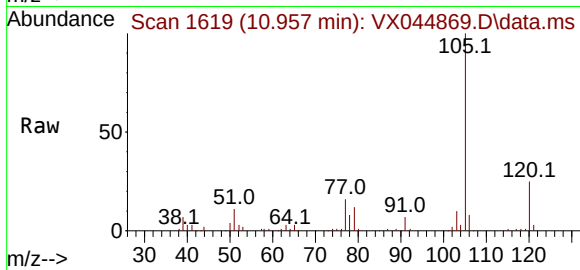
VSTDIC005

Tgt Ion:105 Resp: 38315

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 4.786 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 16653

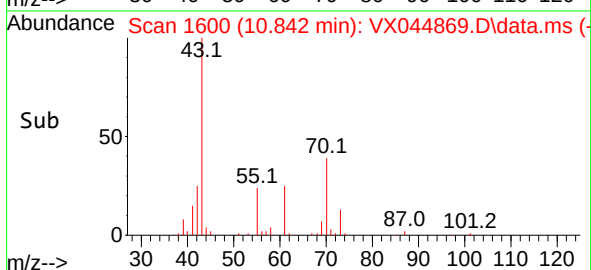
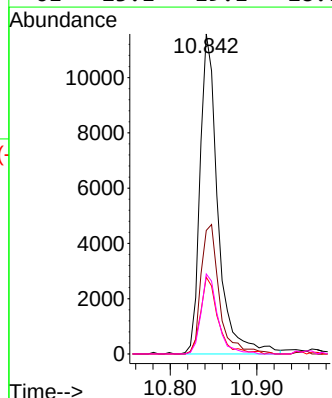
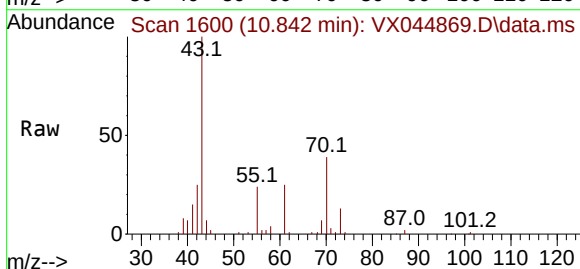
Ion Ratio Lower Upper

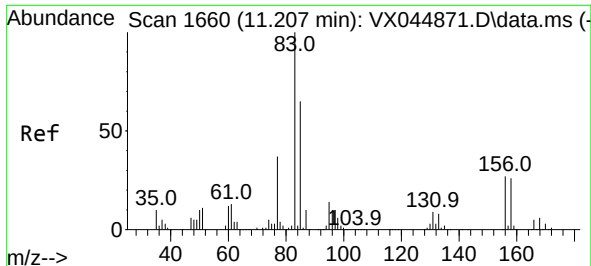
43 100

70 41.5 33.7 50.5

55 23.5 18.6 27.8

61 23.1 19.1 28.7

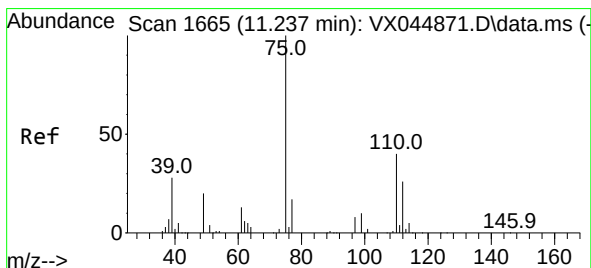
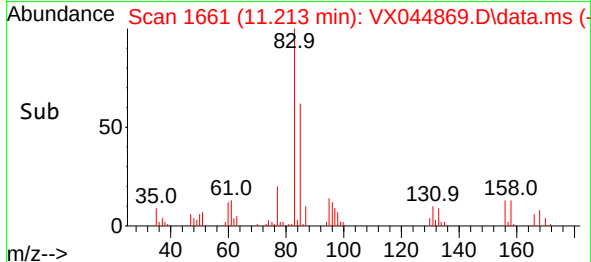
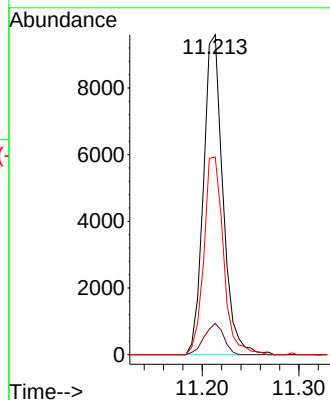
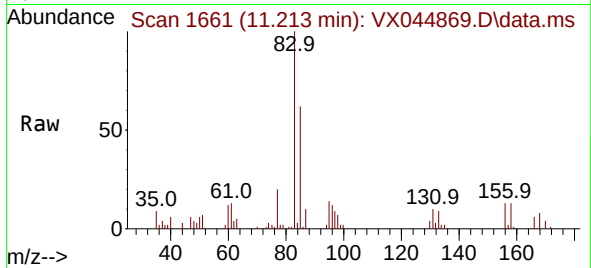




#75
1,1,2,2-Tetrachloroethane
Concen: 5.069 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

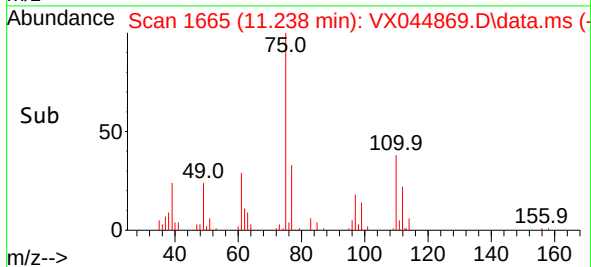
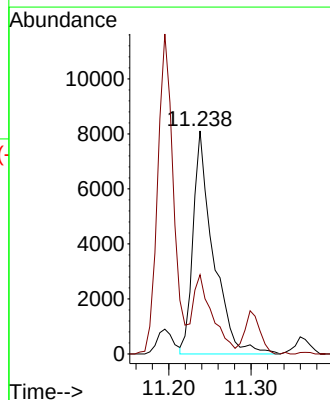
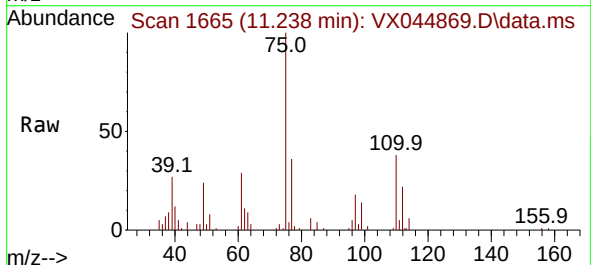
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

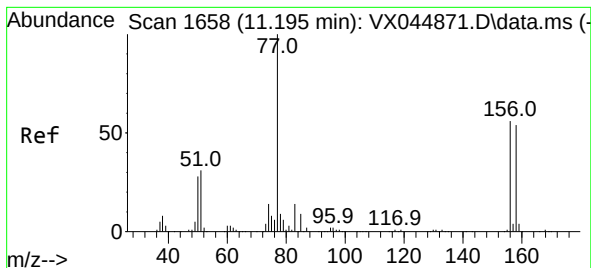
Tgt Ion: 83 Resp: 13394
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.5
85 62.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 6.498 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 13757
Ion Ratio Lower Upper
75 100
77 35.3 21.9 65.7





#77

Bromobenzene

Concen: 5.042 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

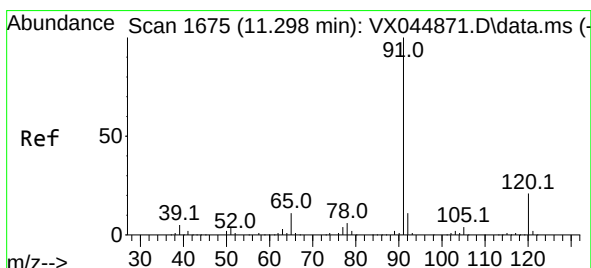
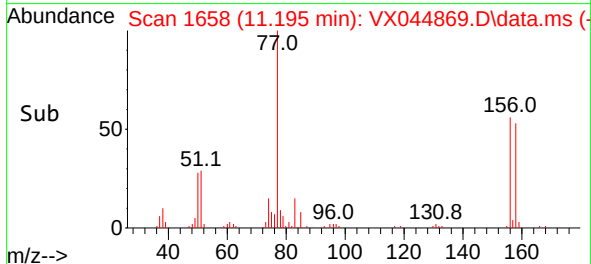
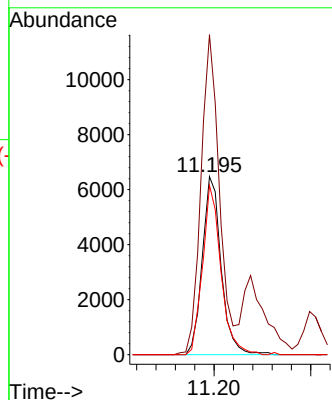
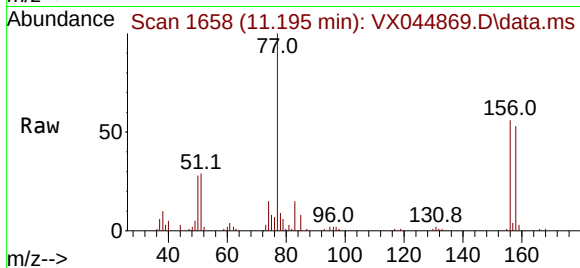
Tgt Ion:156 Resp: 8789

Ion Ratio Lower Upper

156 100

77 174.1 88.4 265.3

158 92.9 48.4 145.2



#78

n-propylbenzene

Concen: 4.949 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044869.D

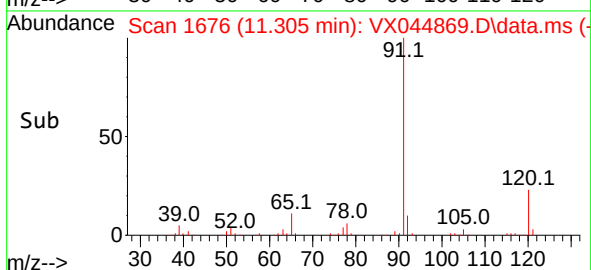
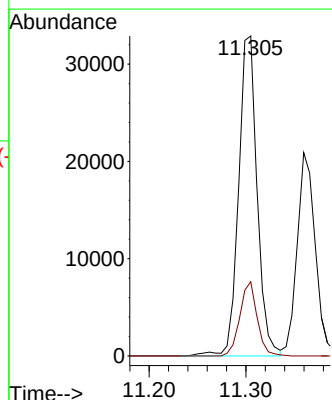
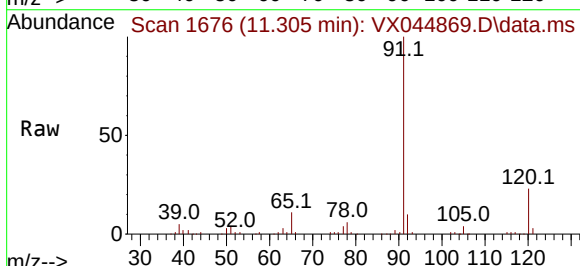
Acq: 10 Feb 2025 10:48

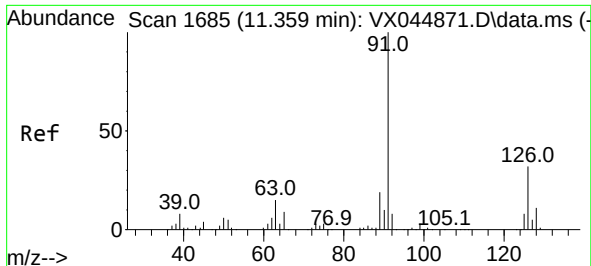
Tgt Ion: 91 Resp: 43923

Ion Ratio Lower Upper

91 100

120 21.6 11.1 33.3

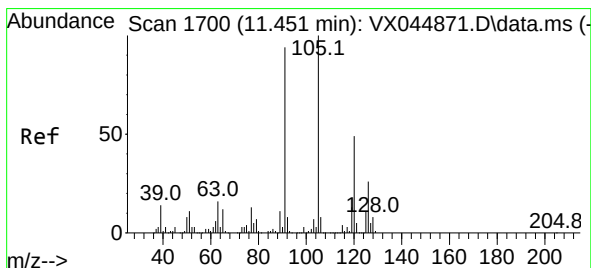
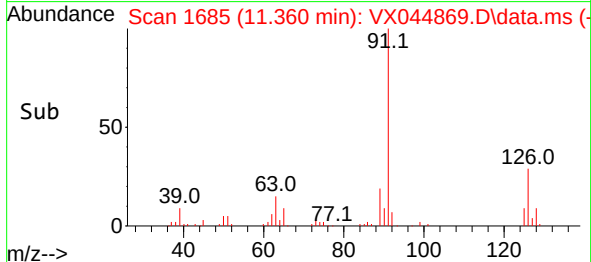
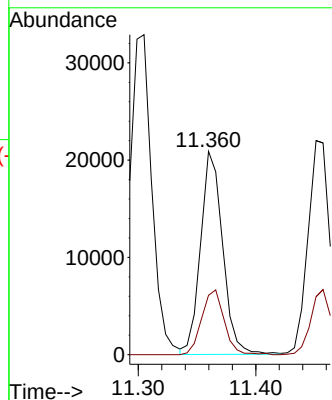
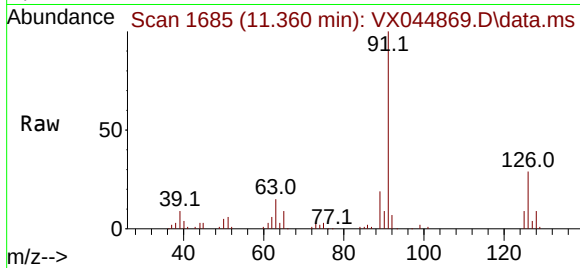




#79
2-Chlorotoluene
Concen: 5.007 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

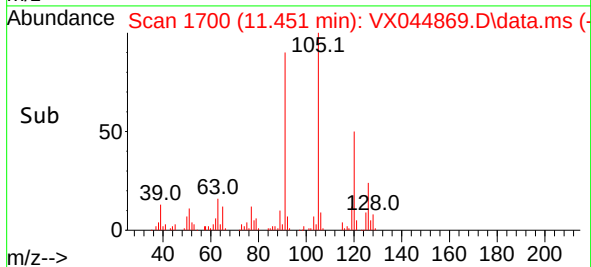
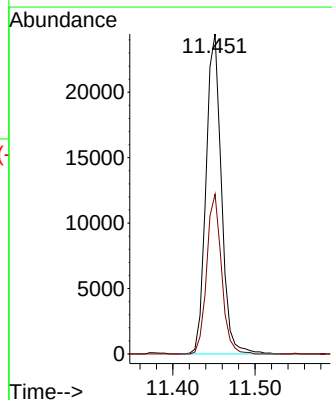
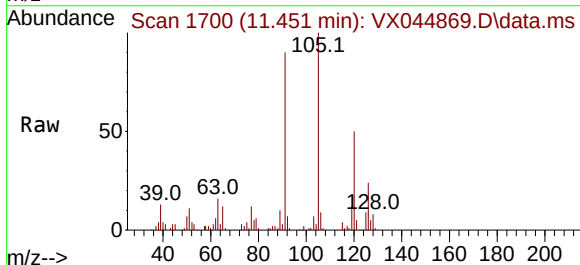
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

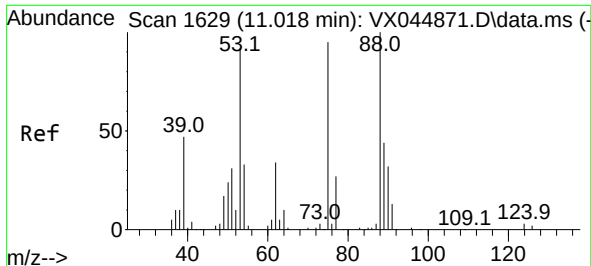
Tgt Ion: 91 Resp: 27311
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 5.090 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 105 Resp: 31761
Ion Ratio Lower Upper
105 100
120 48.1 24.0 72.0

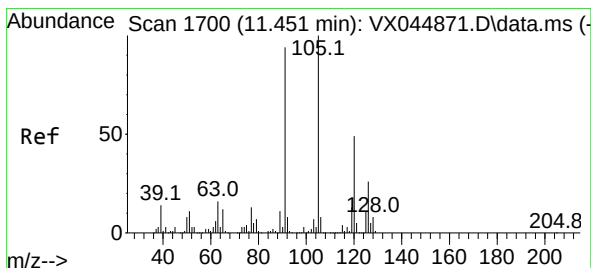
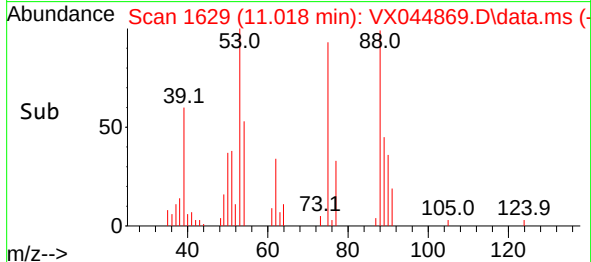
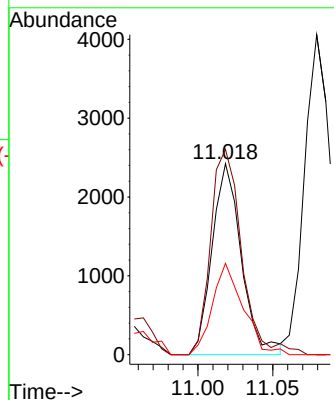
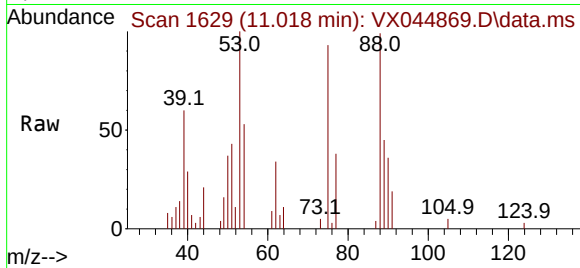




#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

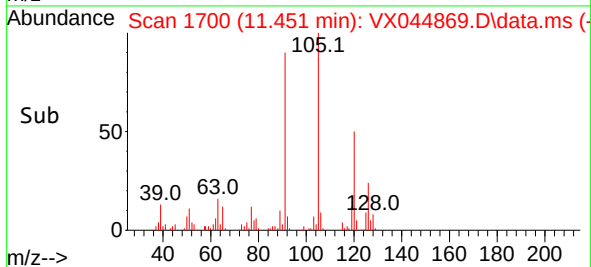
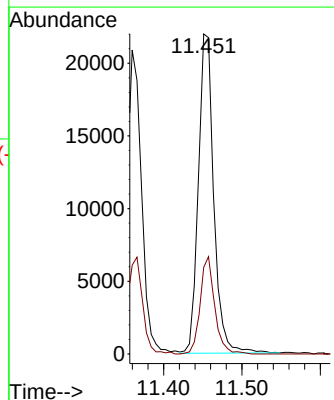
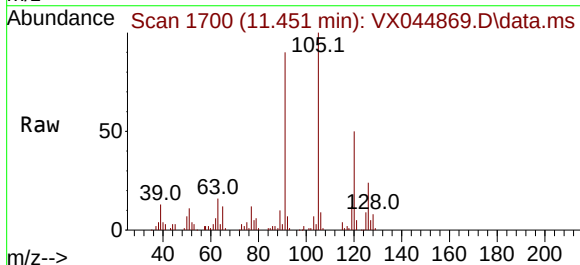
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

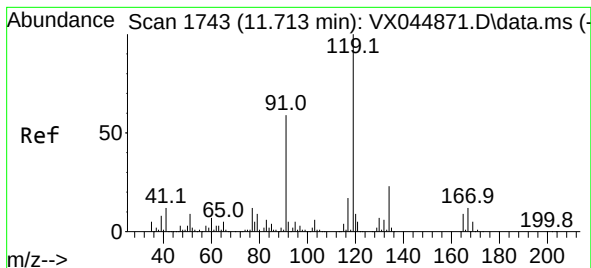
Tgt Ion: 75 Resp: 3303
Ion Ratio Lower Upper
75 100
53 113.7 78.0 117.0
89 50.2 36.6 54.8



#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 5.068 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

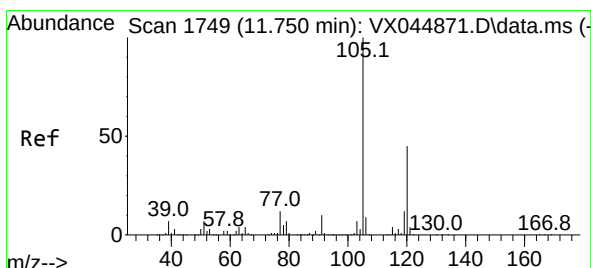
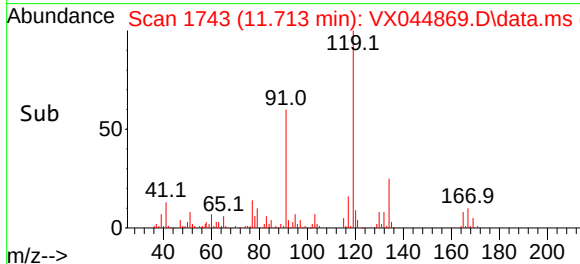
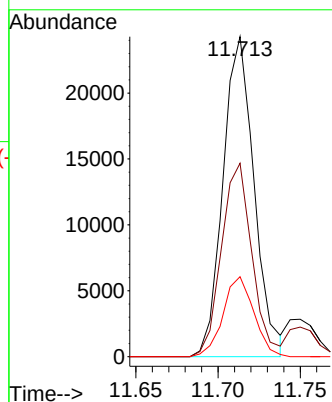
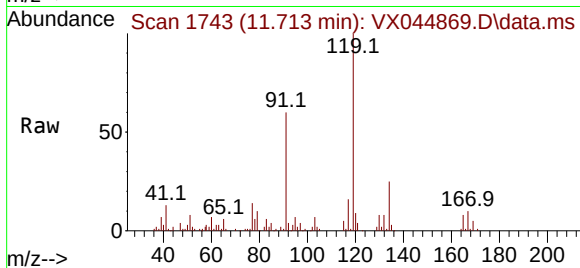
Tgt Ion:119 Resp: 31992

Ion Ratio Lower Upper

119 100

91 59.3 29.1 87.4

134 24.7 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 5.042 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044869.D

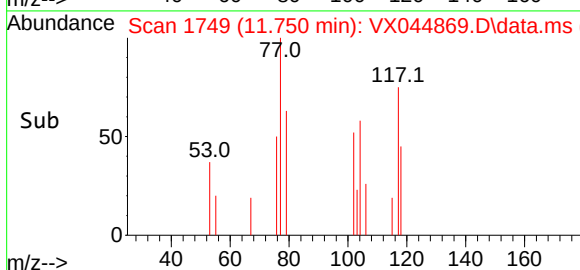
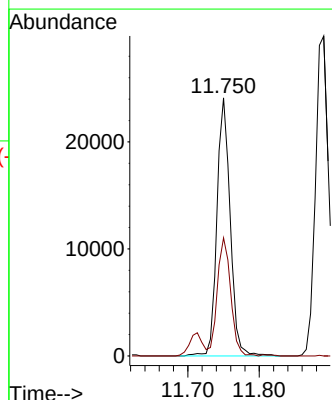
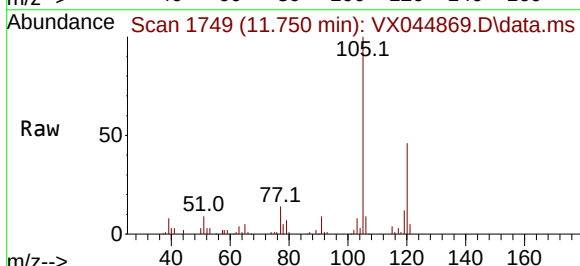
Acq: 10 Feb 2025 10:48

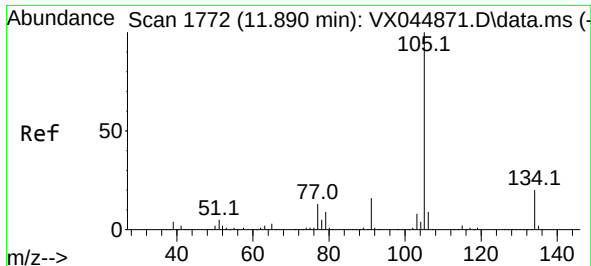
Tgt Ion:105 Resp: 31053

Ion Ratio Lower Upper

105 100

120 46.2 22.4 67.0

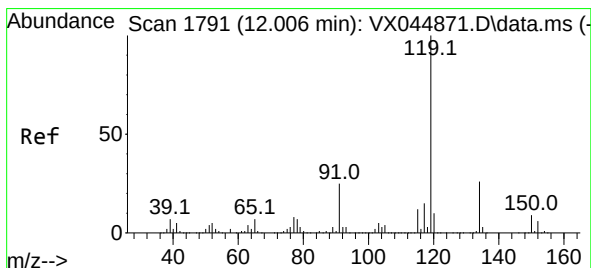
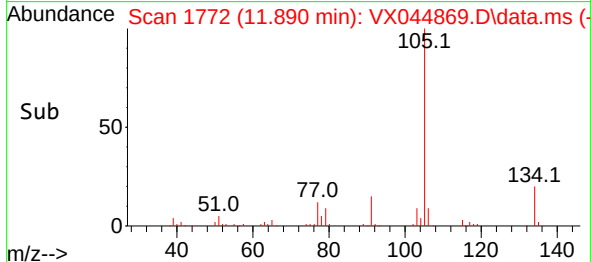
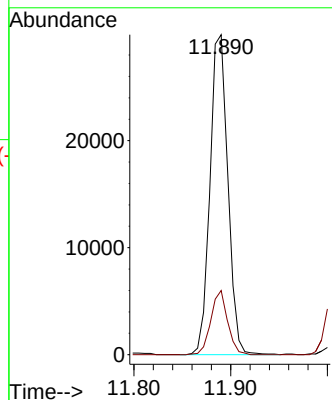
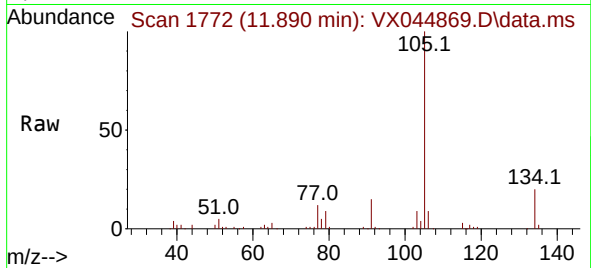




#85
 sec-Butylbenzene
 Concen: 4.917 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

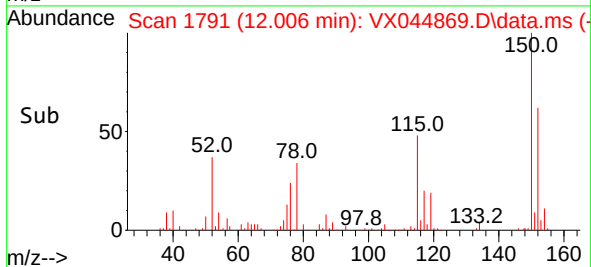
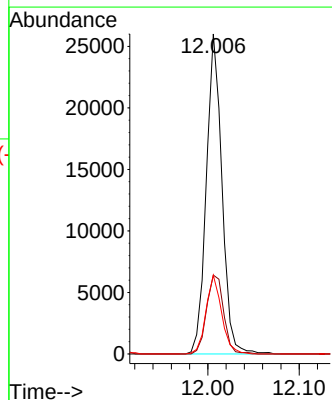
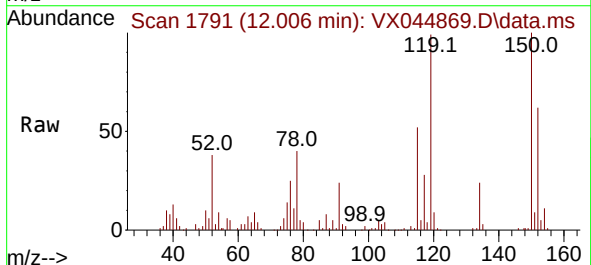
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

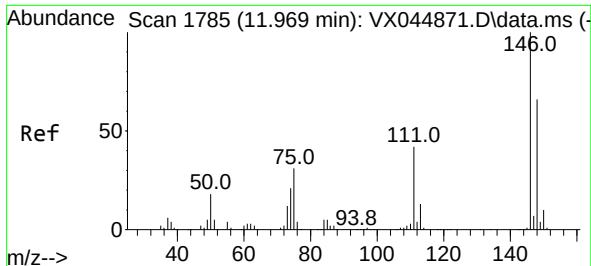
Tgt Ion:105 Resp: 38437
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 4.905 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 30835
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 38.9
 91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.971 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

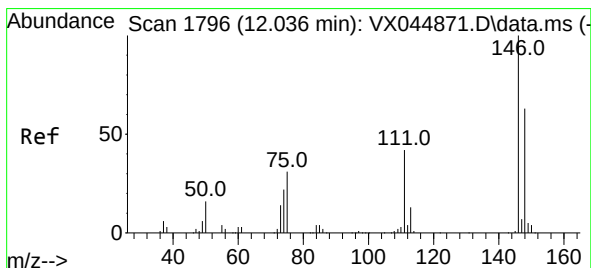
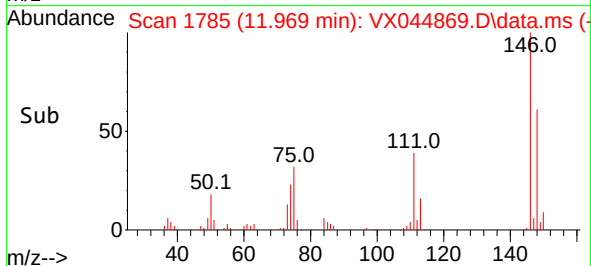
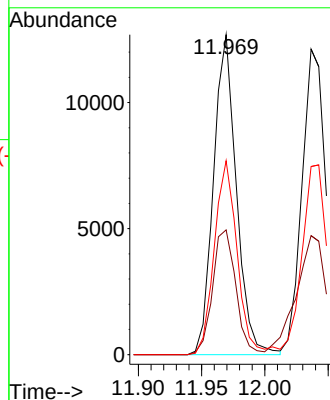
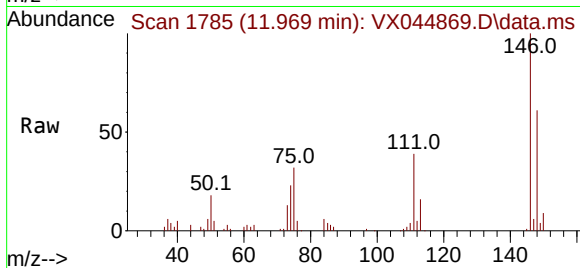
Tgt Ion:146 Resp: 15935

Ion Ratio Lower Upper

146 100

111 39.8 21.2 63.6

148 60.0 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 5.043 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

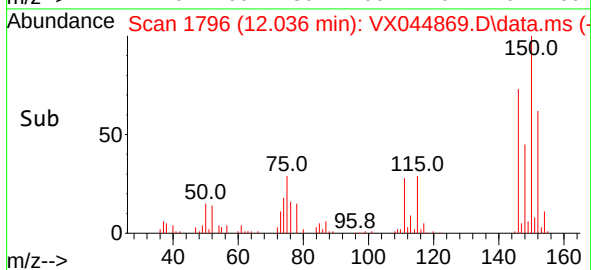
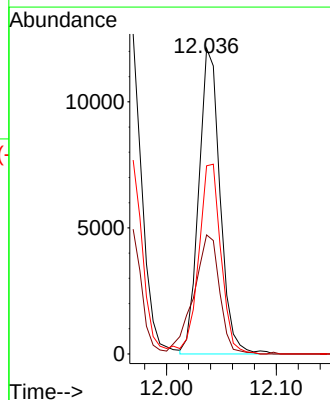
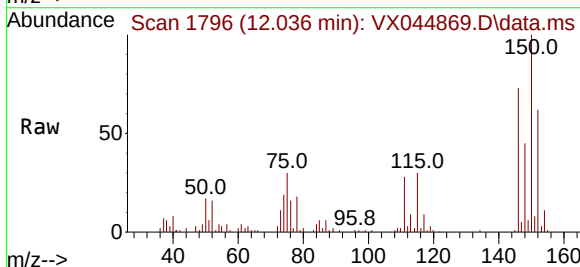
Tgt Ion:146 Resp: 16347

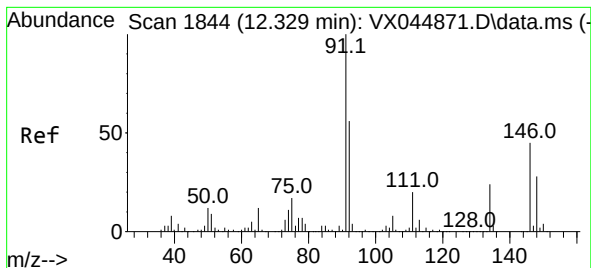
Ion Ratio Lower Upper

146 100

111 47.4 20.4 61.3

148 65.3 32.0 96.0

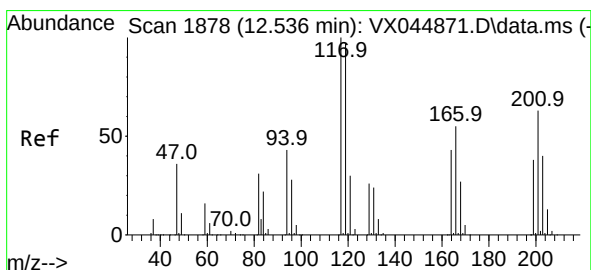
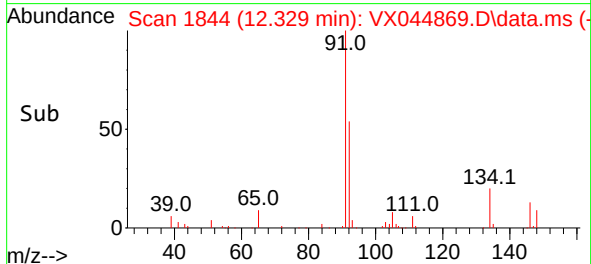
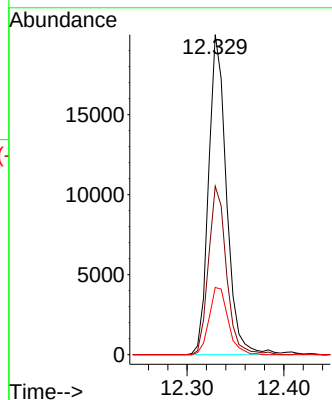
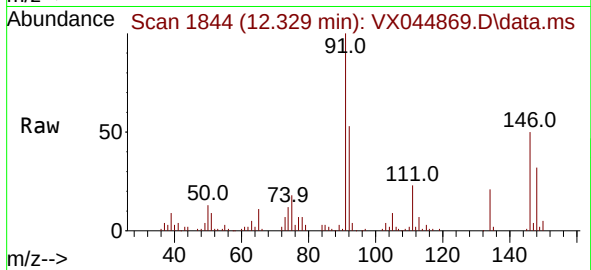




#89
n-Butylbenzene
Concen: 4.630 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

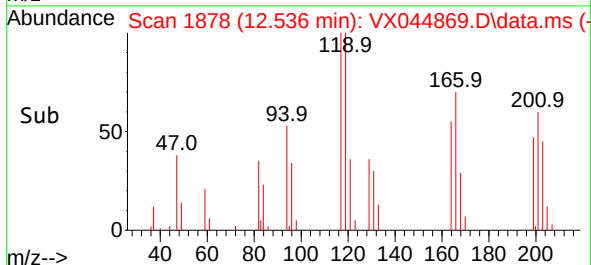
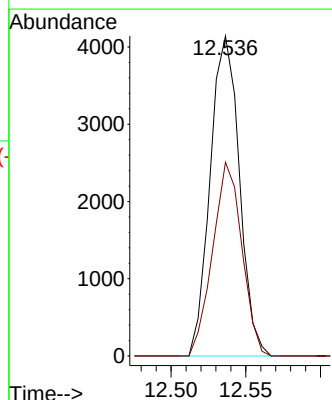
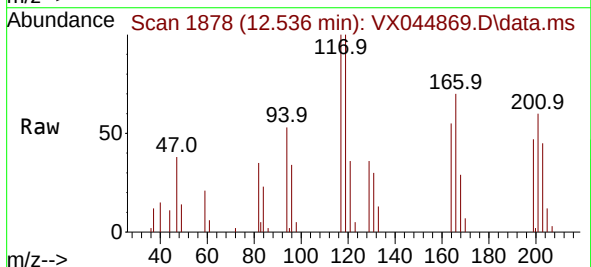
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

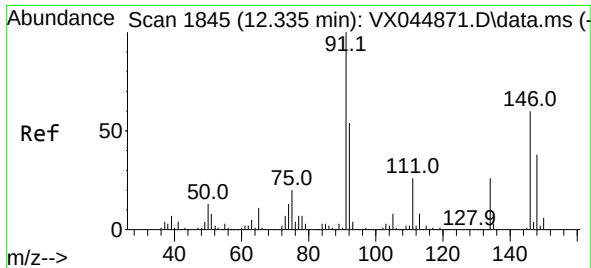
Tgt Ion:	91	Resp:	25747
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.6
134	22.3	12.1	36.3



#90
Hexachloroethane
Concen: 4.775 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	117	Resp:	5620
Ion	Ratio	Lower	Upper
117	100		
201	60.6	32.5	97.5

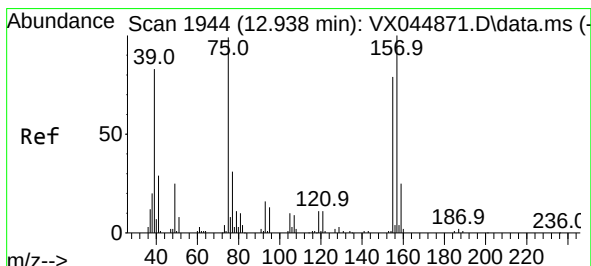
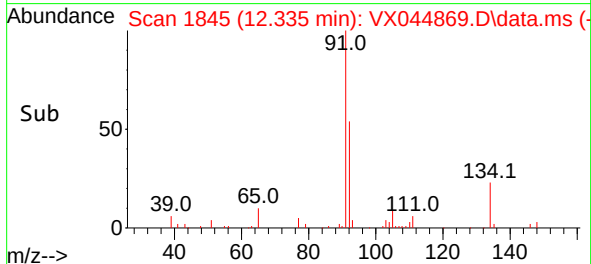
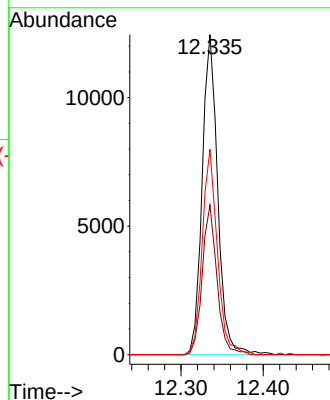
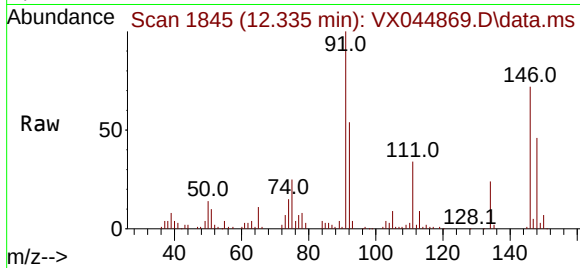




#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

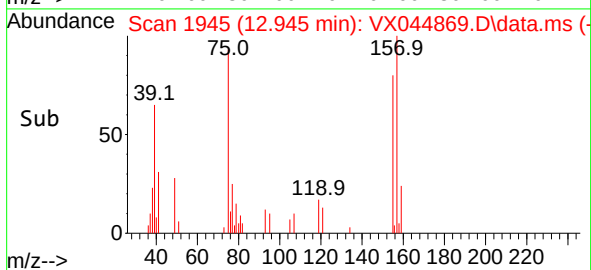
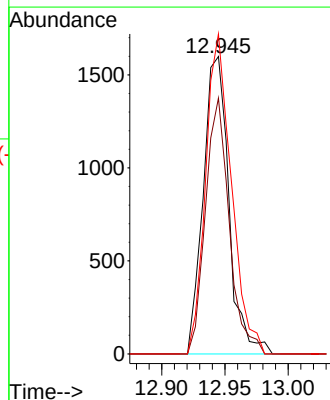
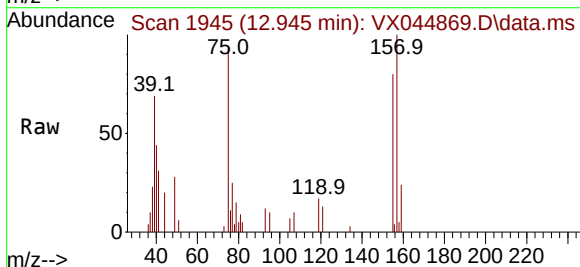
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

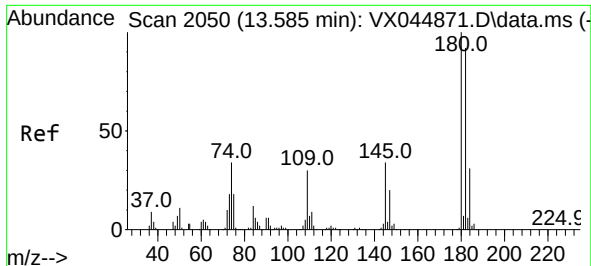
Tgt Ion:146 Resp: 16362
Ion Ratio Lower Upper
146 100
111 44.3 21.8 65.4
148 62.7 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 2254
Ion Ratio Lower Upper
75 100
155 80.0 40.5 121.4
157 108.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 4.680 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

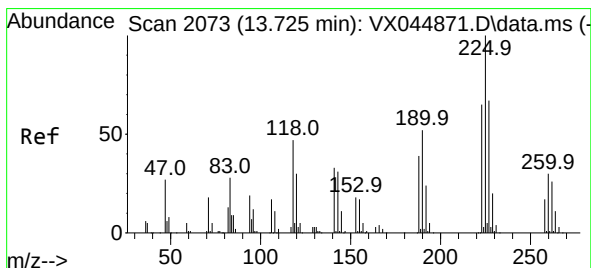
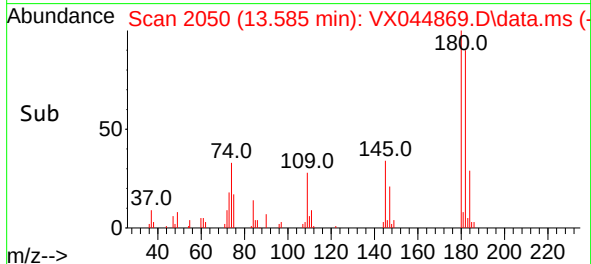
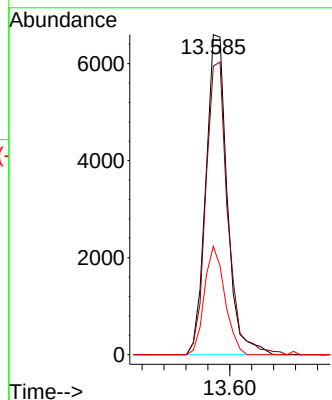
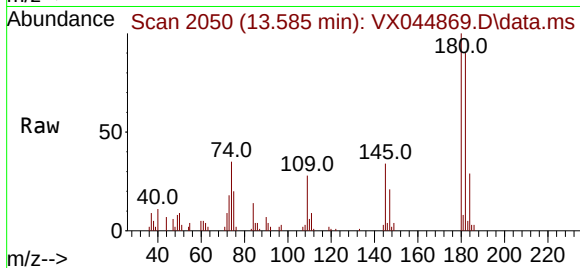
Tgt Ion:180 Resp: 8923

Ion Ratio Lower Upper

180 100

182 93.9 47.6 142.8

145 32.3 16.4 49.1



#94

Hexachlorobutadiene

Concen: 4.750 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

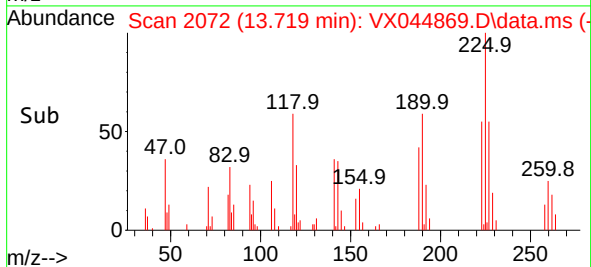
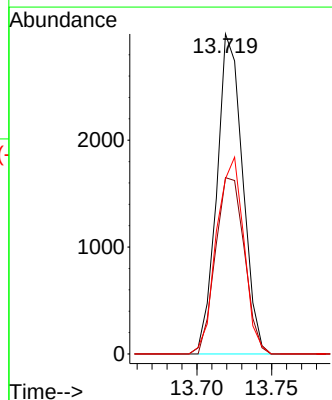
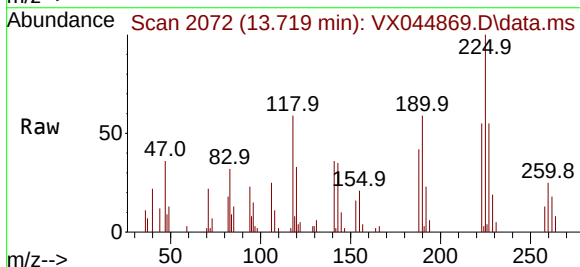
Tgt Ion:225 Resp: 3595

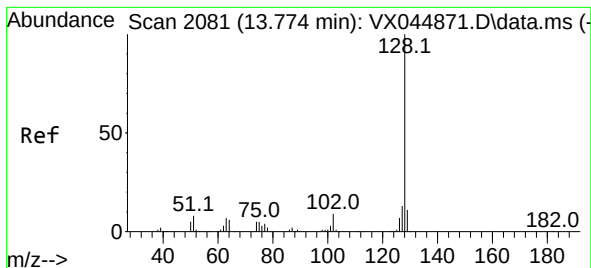
Ion Ratio Lower Upper

225 100

223 61.5 31.4 94.2

227 65.1 32.3 96.8





#95

Naphthalene

Concen: 4.756 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

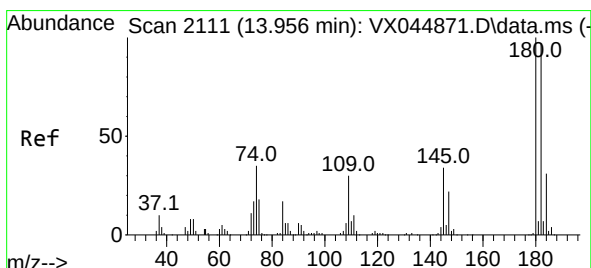
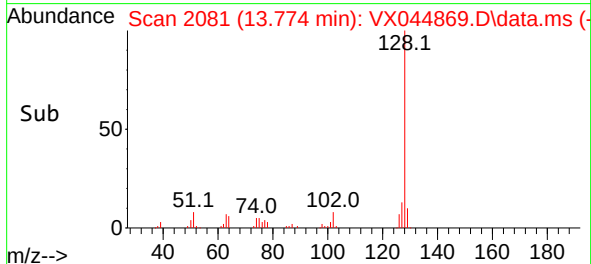
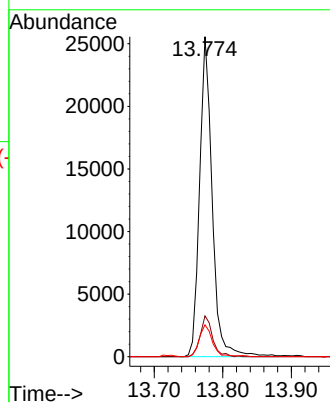
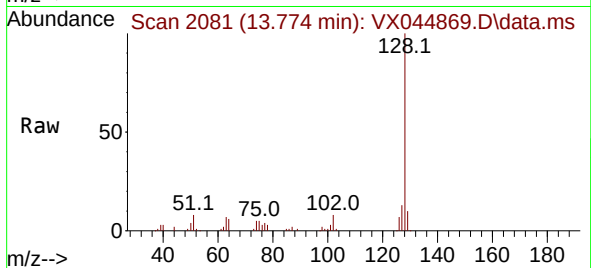
Tgt Ion:128 Resp: 32776

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 10.3 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 4.733 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

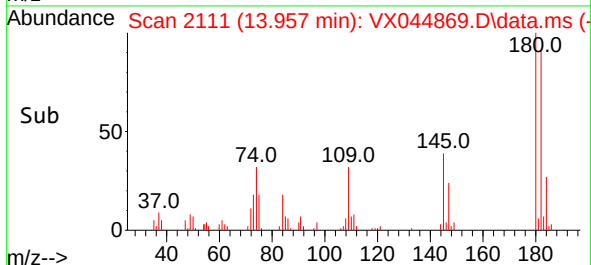
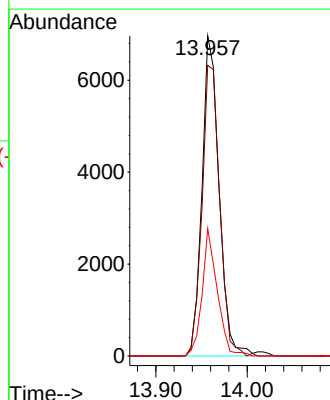
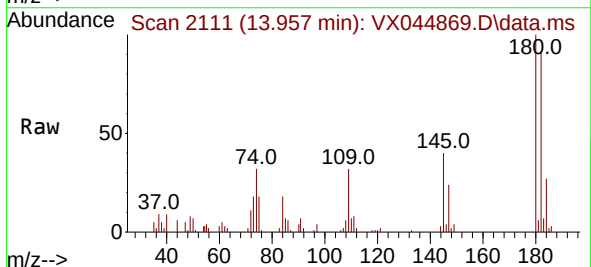
Tgt Ion:180 Resp: 9093

Ion Ratio Lower Upper

180 100

182 93.4 47.9 143.6

145 35.0 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	39.240%#
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	39.580%#
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	40.640%#
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	39.600%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l	94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l	100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l	99
44) Trichloroethene	7.123	130	34390	21.910	ug/l	96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l	99
46) Dibromomethane	7.574	93	25300	21.354	ug/l	99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l	97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l	100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l	99
52) Toluene	8.714	92	89726	21.940	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l	98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l	99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l	100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l	98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l	99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l	100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l	97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l	99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l	100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l	99
69) o-Xylene	10.640	106	62087	21.310	ug/l	97
70) Styrene	10.653	104	103740	22.101	ug/l	98
71) Bromoform	10.799	173	22592	21.086	ug/l #	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l	99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	55632	27.246	ug/l	83
77) Bromobenzene	11.195	156	36021	21.426	ug/l	97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l	99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l	96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l	100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l	100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l	100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l	98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l	100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l	99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l	96
95) Naphthalene	13.774	128	142902	21.502	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

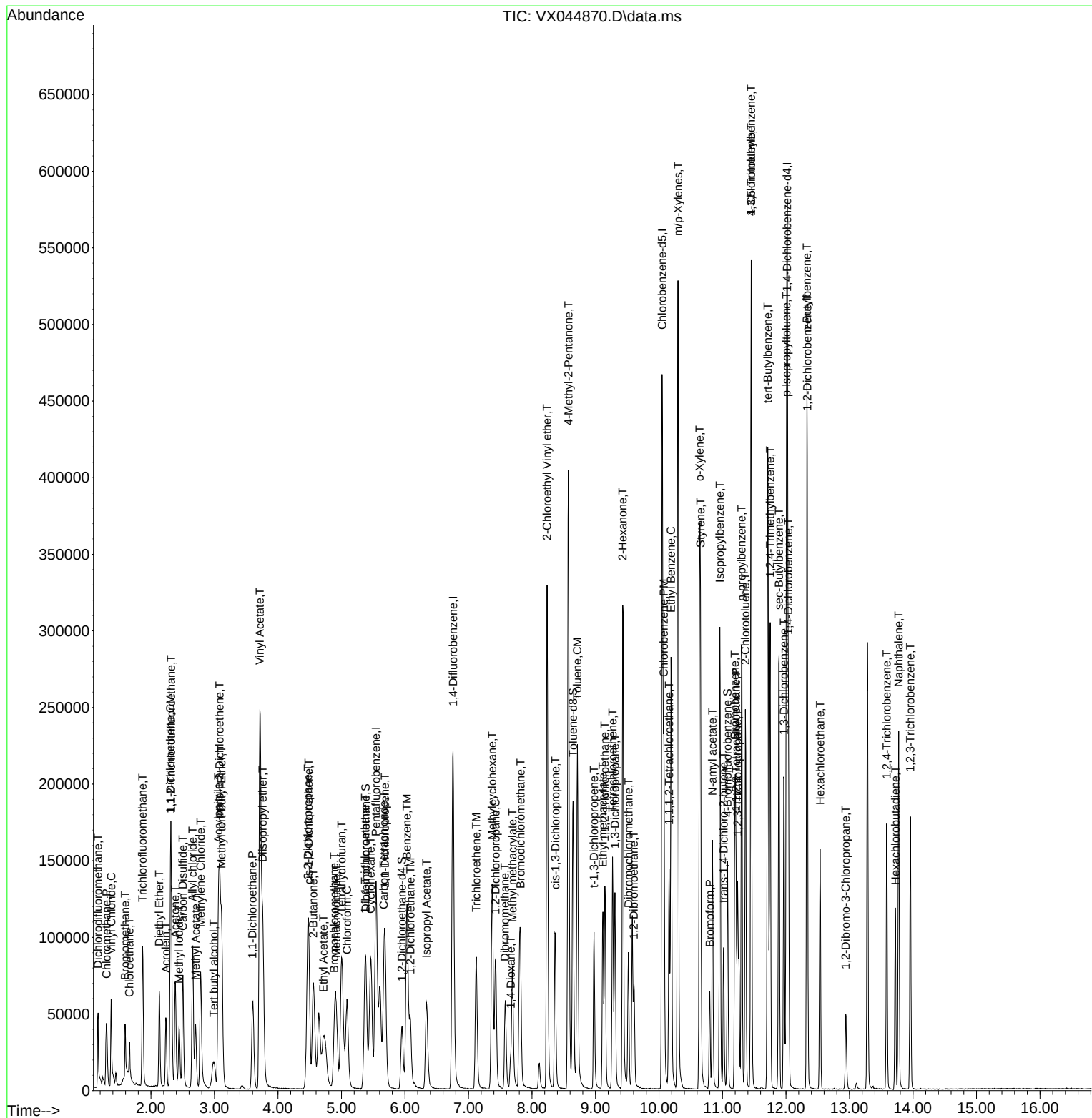
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

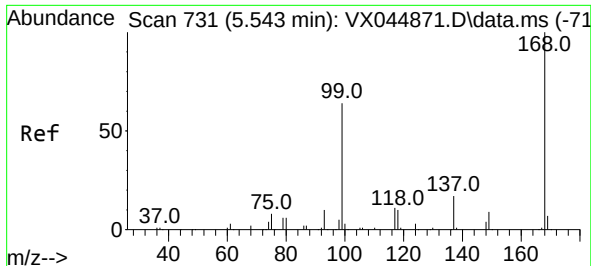
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On    : 10 Feb 2025  11:11
Operator  : JC/MD
Sample    : VSTDIC020
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

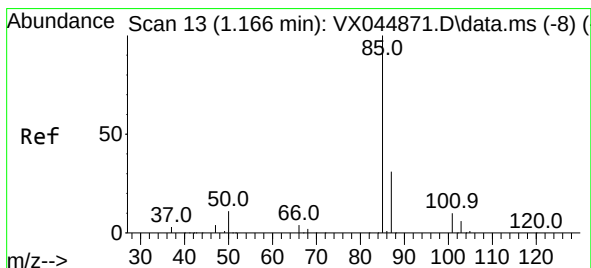
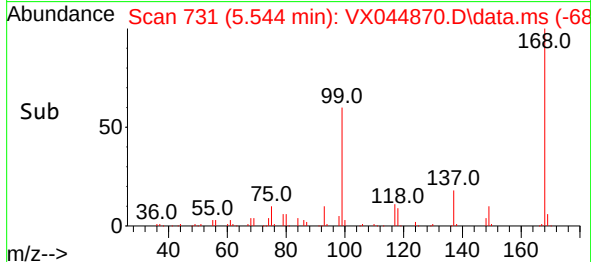
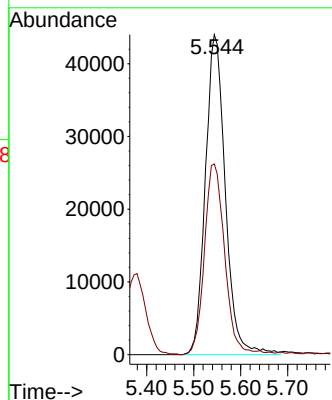
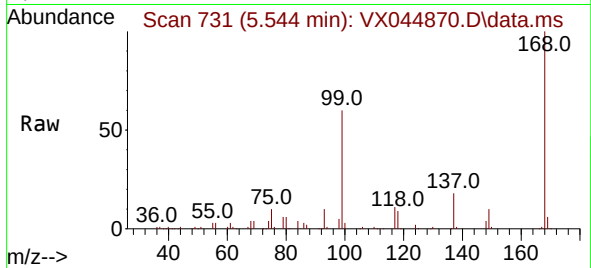




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

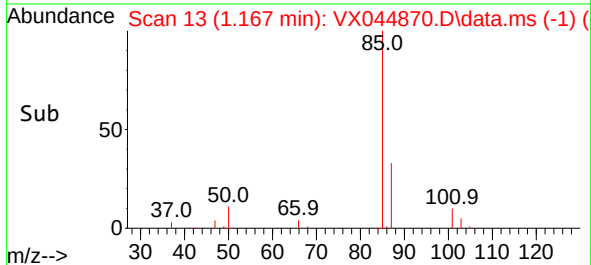
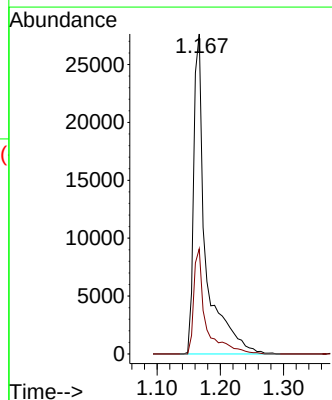
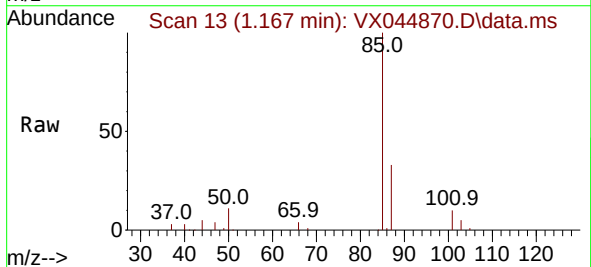
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

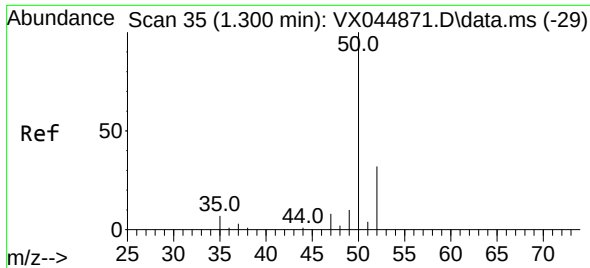
Tgt Ion:168 Resp: 129532
Ion Ratio Lower Upper
168 100
99 59.6 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123
Ion Ratio Lower Upper
85 100
87 32.9 15.8 47.3

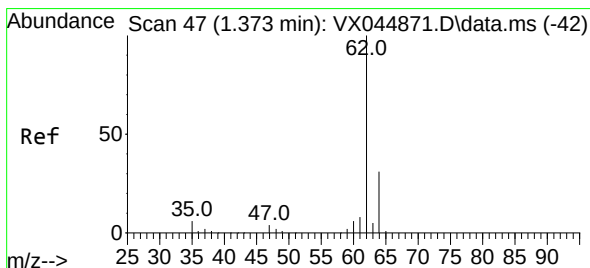
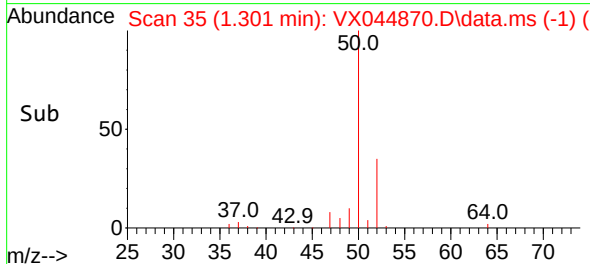
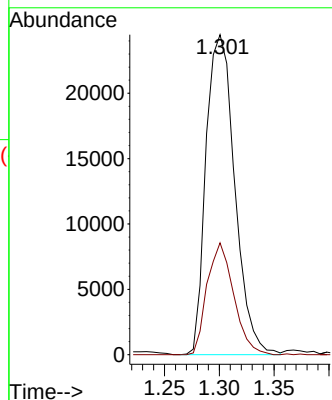
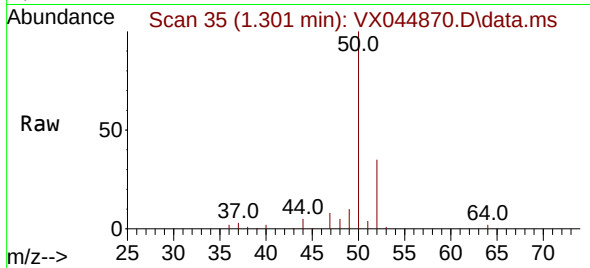




#3
Chloromethane
Concen: 20.200 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

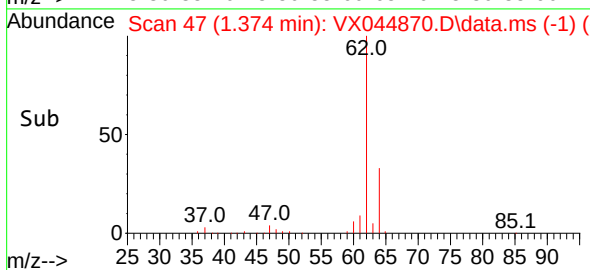
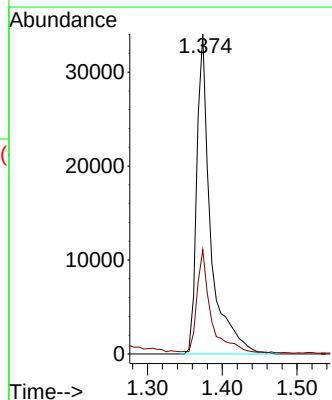
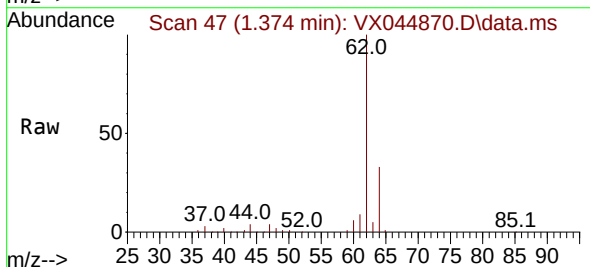
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

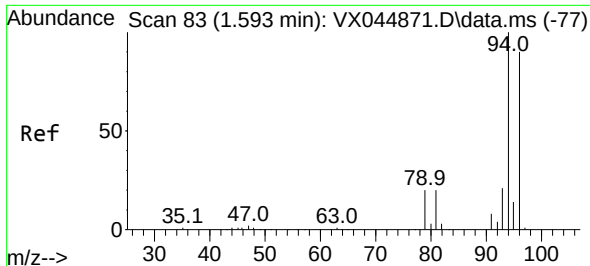
Tgt Ion: 50 Resp: 44666
Ion Ratio Lower Upper
50 100
52 35.0 25.9 38.9



#4
Vinyl Chloride
Concen: 20.494 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 43901
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0

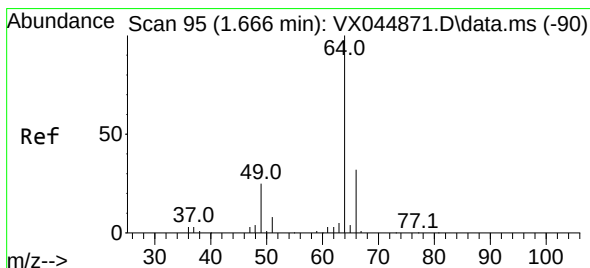
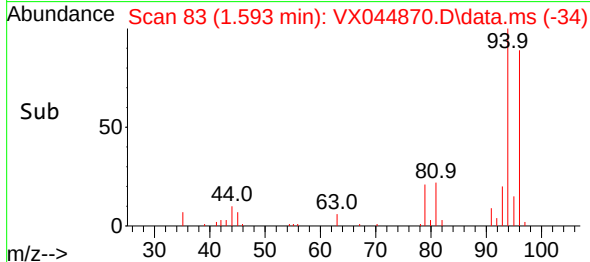
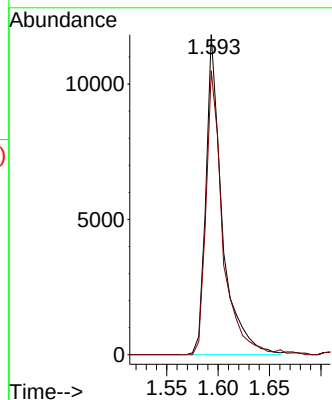
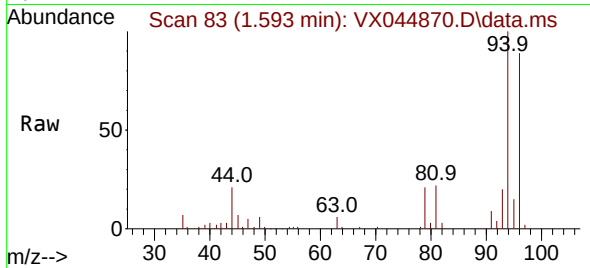




#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

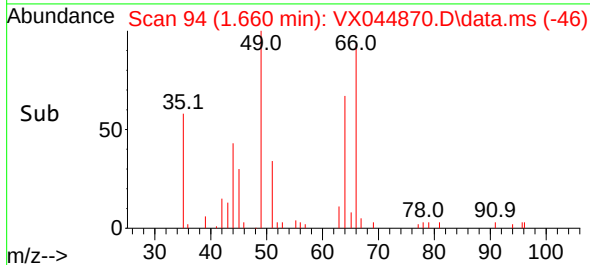
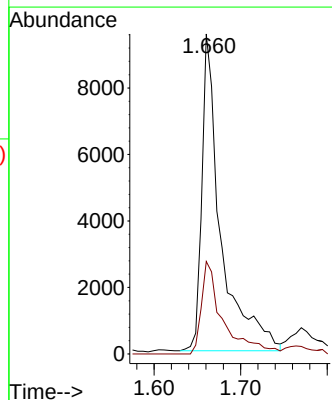
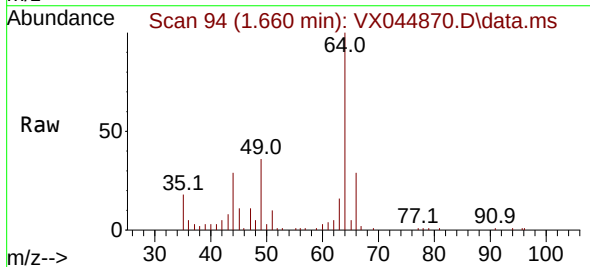
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

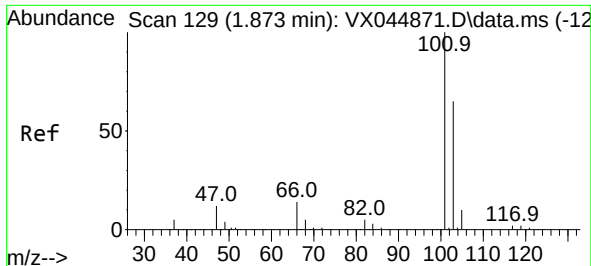
Tgt Ion: 94 Resp: 13057
Ion Ratio Lower Upper
94 100
96 88.8 71.6 107.4



#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523
Ion Ratio Lower Upper
64 100
66 29.2 25.9 38.9

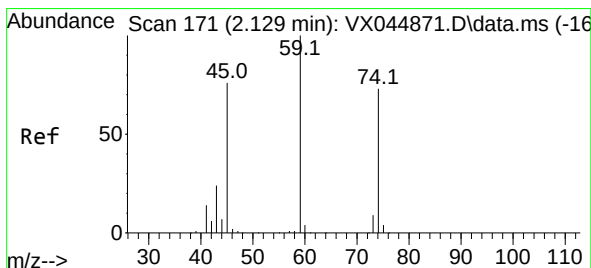
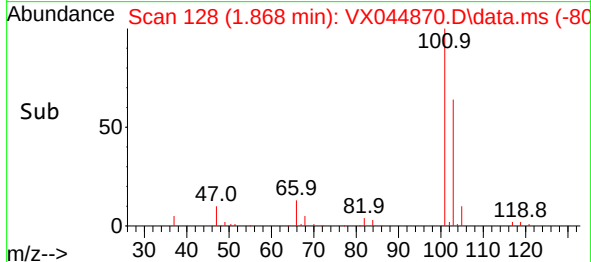
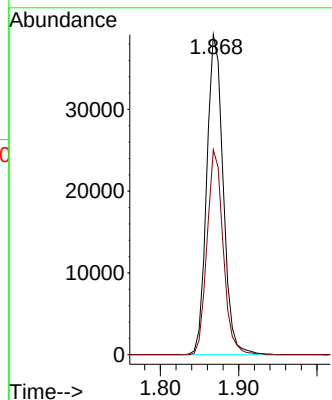
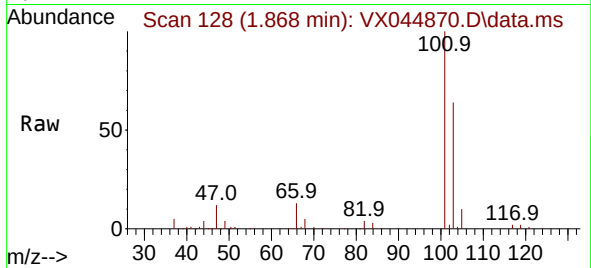




#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

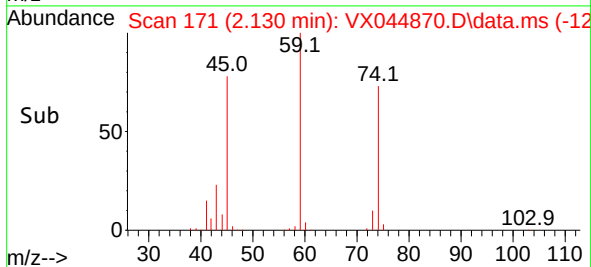
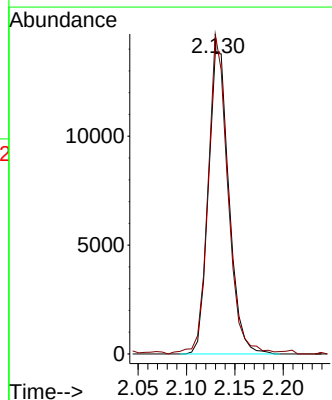
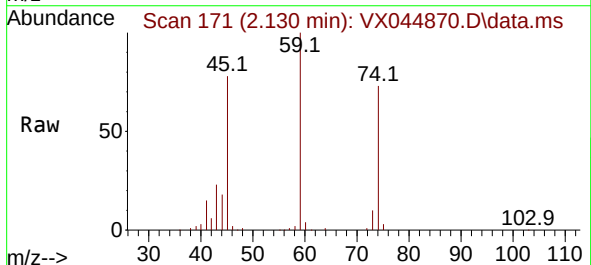
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

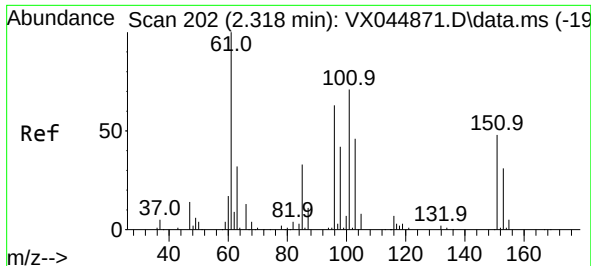
Tgt Ion:101 Resp: 56805
Ion Ratio Lower Upper
101 100
103 64.0 52.4 78.6



#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699
Ion Ratio Lower Upper
74 100
45 101.2 51.1 153.4

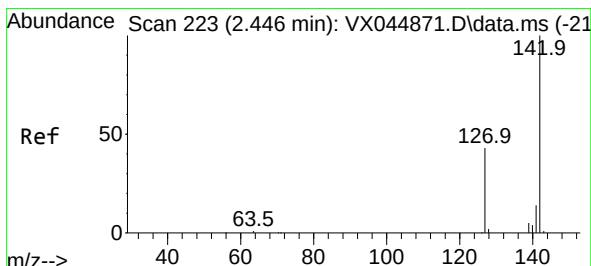
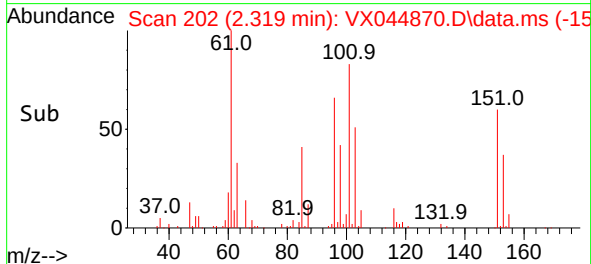
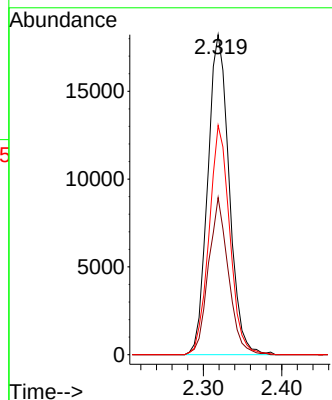
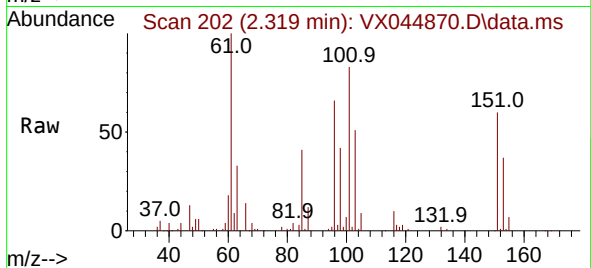




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.135 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

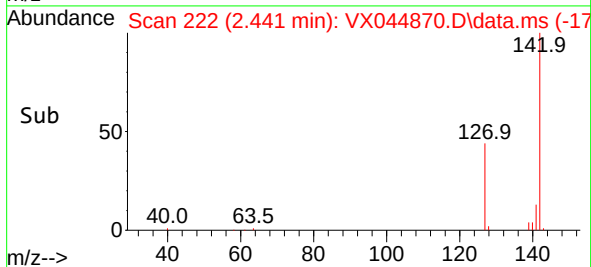
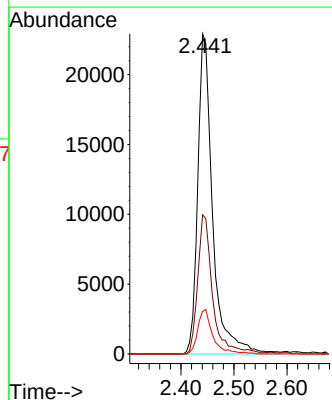
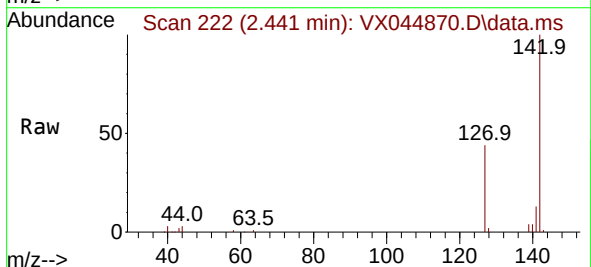
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

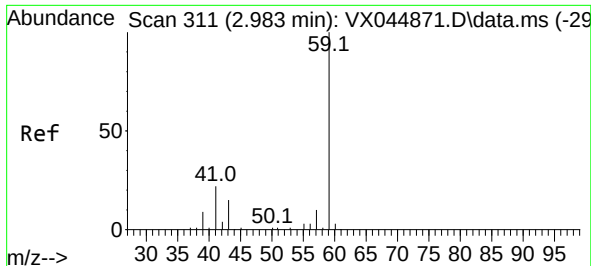
Tgt Ion:101 Resp: 34593
Ion Ratio Lower Upper
101 100
85 45.7 35.7 53.5
151 69.4 56.0 84.0



#10
Methyl Iodide
Concen: 21.096 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:142 Resp: 44749
Ion Ratio Lower Upper
142 100
127 43.4 34.3 51.5
141 14.0 11.4 17.2

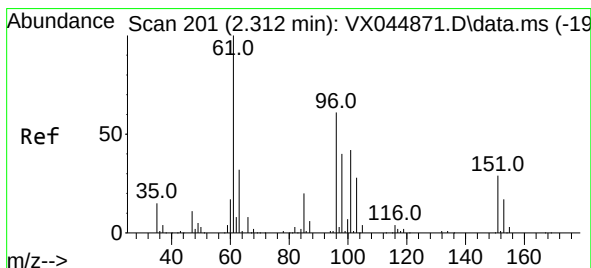
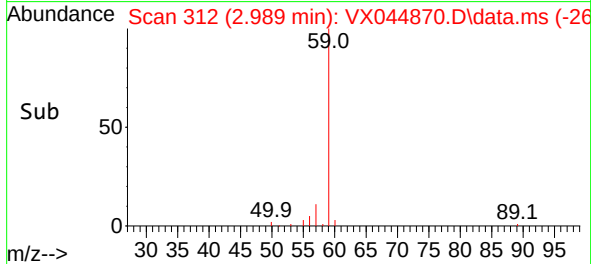
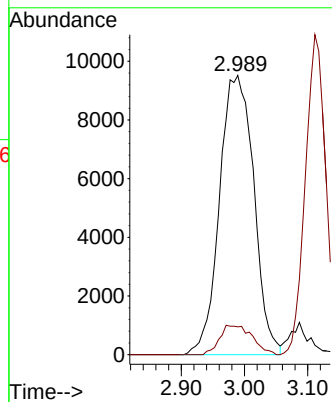
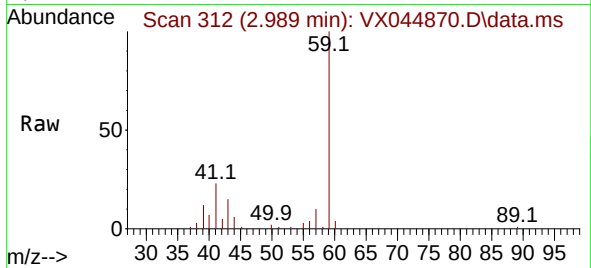




#11
Tert butyl alcohol
Concen: 101.870 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

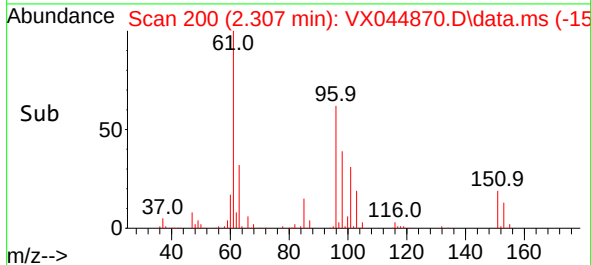
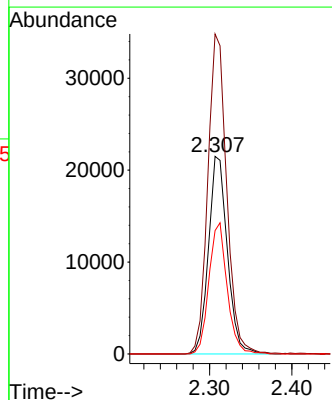
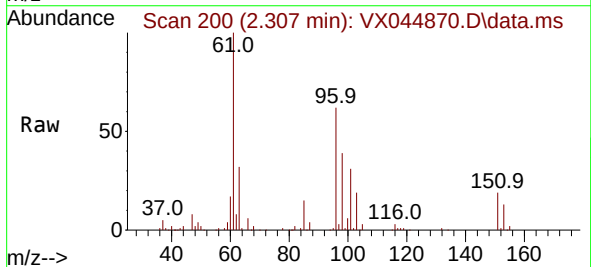
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

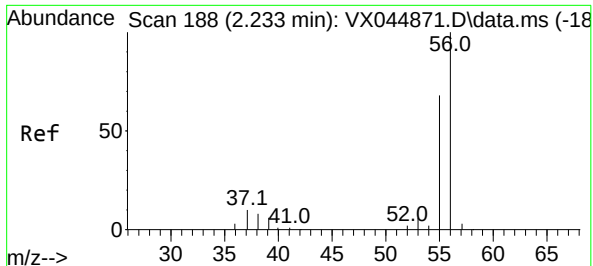
Tgt Ion: 59 Resp: 35834
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1



#12
1,1-Dichloroethene
Concen: 20.526 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 96 Resp: 34270
Ion Ratio Lower Upper
96 100
61 161.9 130.2 195.4
98 62.4 52.2 78.4

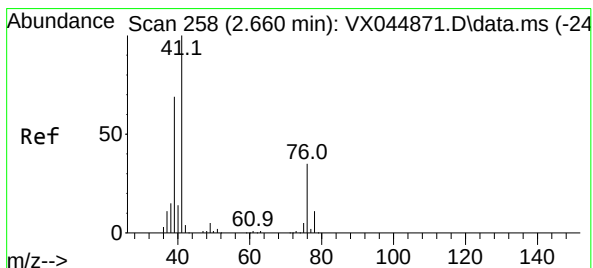
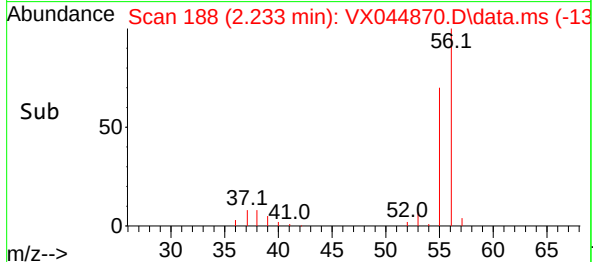
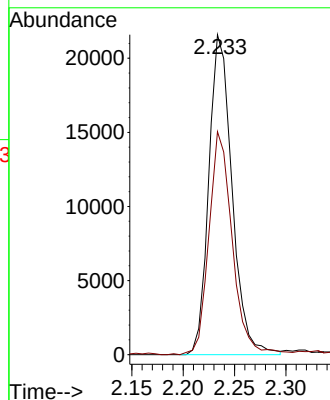
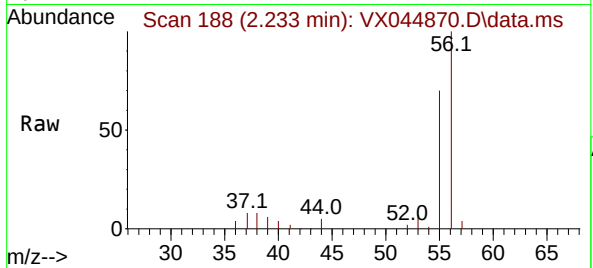




#13
Acrolein
Concen: 93.445 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

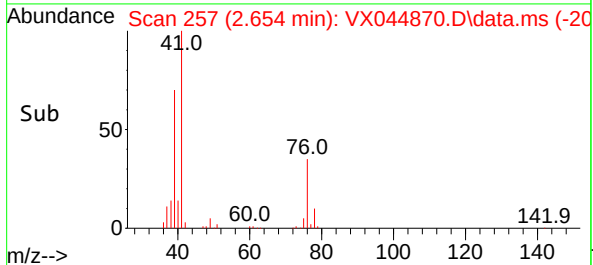
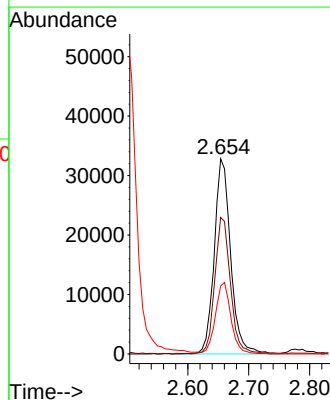
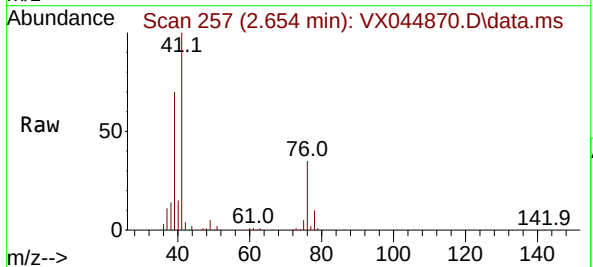
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

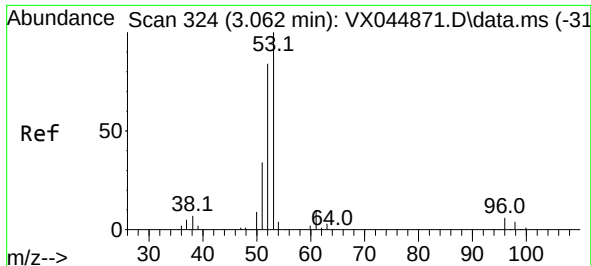
Tgt Ion: 56 Resp: 33914
Ion Ratio Lower Upper
56 100
55 70.1 55.7 83.5



#14
Allyl chloride
Concen: 20.377 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 61485
Ion Ratio Lower Upper
41 100
39 65.8 51.4 77.2
76 34.9 27.0 40.4

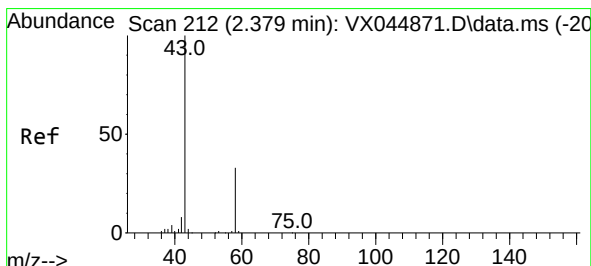
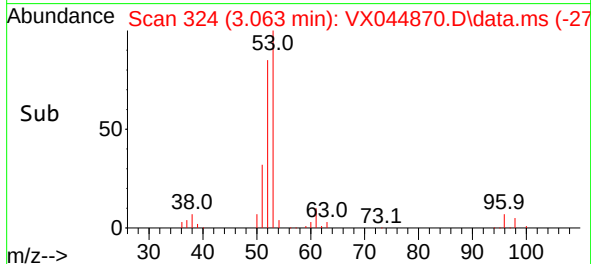
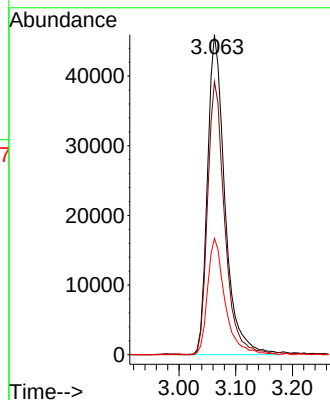
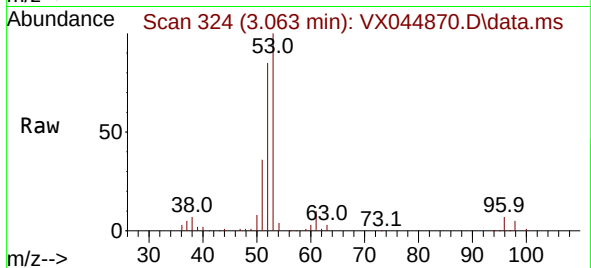




#15
Acrylonitrile
Concen: 104.896 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

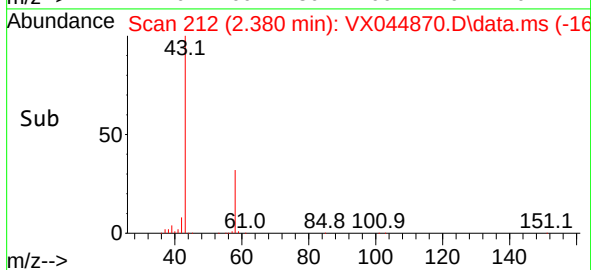
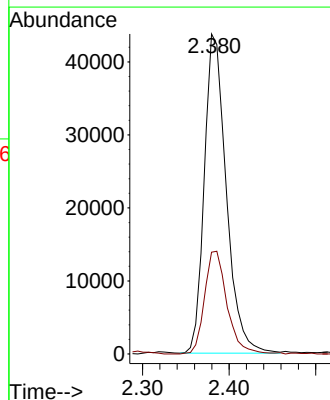
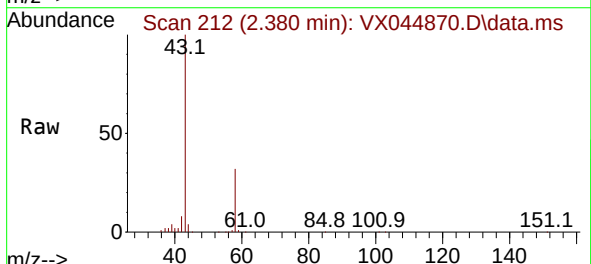
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

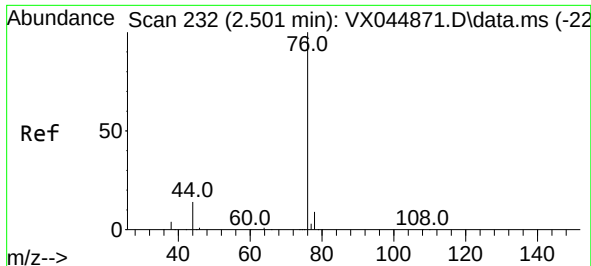
Tgt Ion:	53	Resp:	98518
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0



#16
Acetone
Concen: 101.119 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:	43	Resp:	77078
Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7

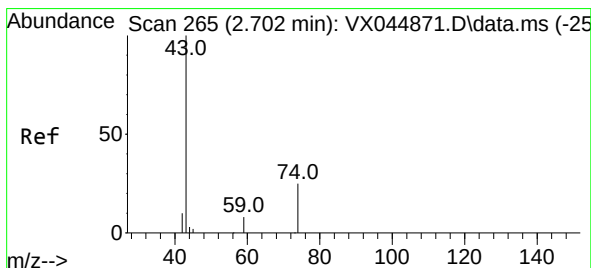
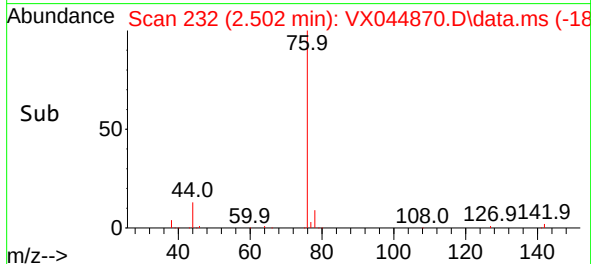
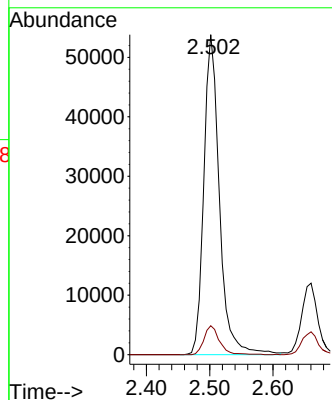
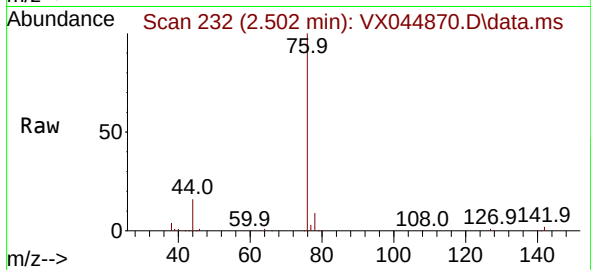




#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

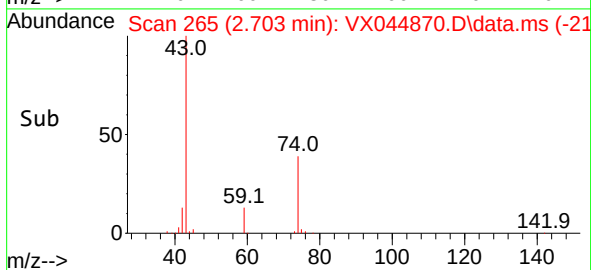
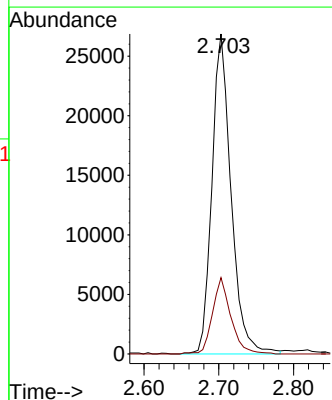
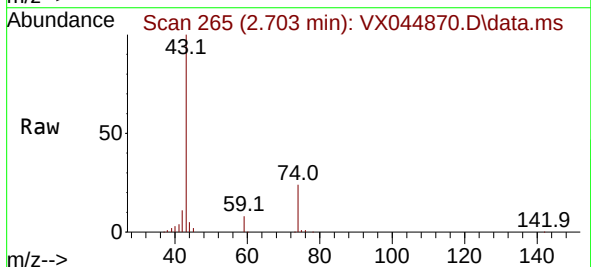
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

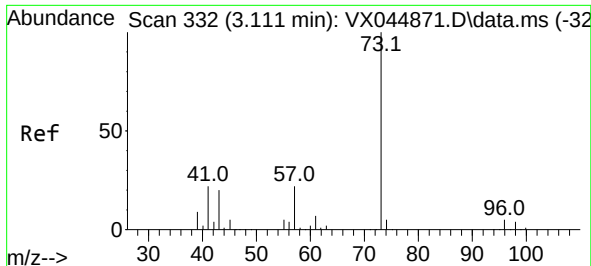
Tgt Ion: 76 Resp: 92552
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 19.943 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 47970
Ion Ratio Lower Upper
43 100
74 22.9 18.9 28.3

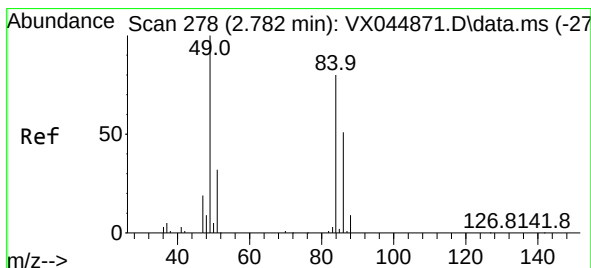
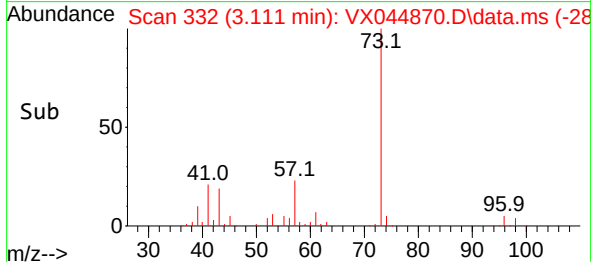
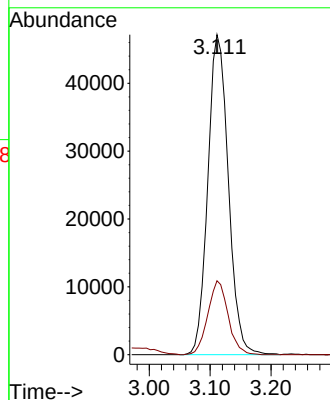
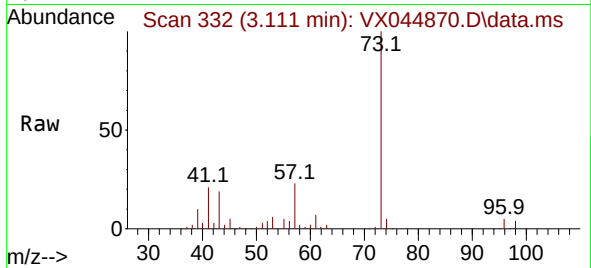




#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

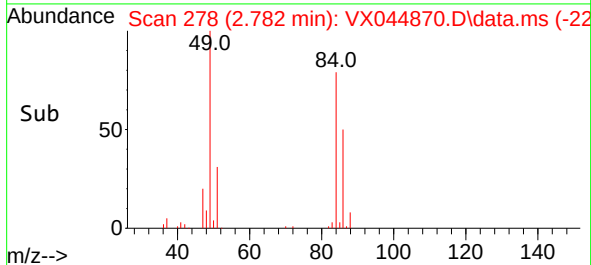
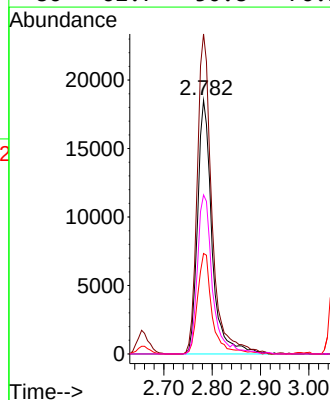
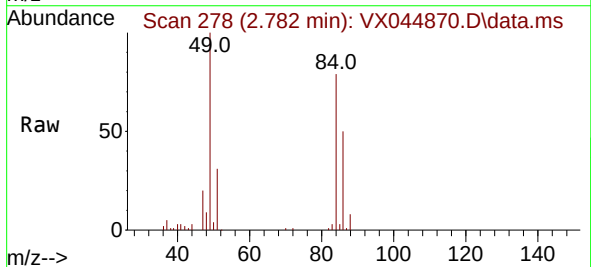
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

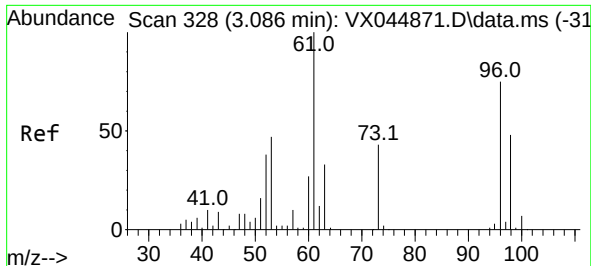
Tgt Ion: 73 Resp: 110377
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#20
Methylene Chloride
Concen: 20.562 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 84 Resp: 38390
Ion Ratio Lower Upper
84 100
49 126.2 100.1 150.1
51 39.6 31.7 47.5
86 62.7 50.8 76.2

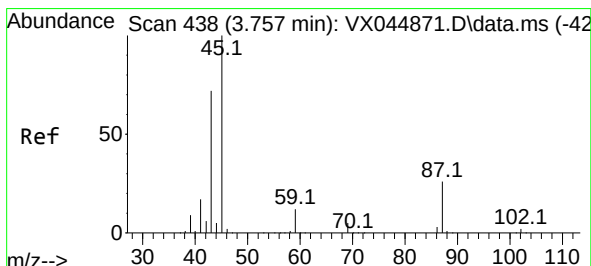
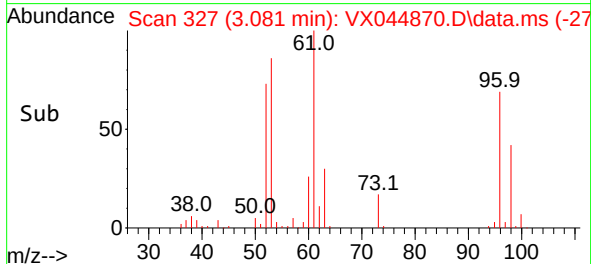
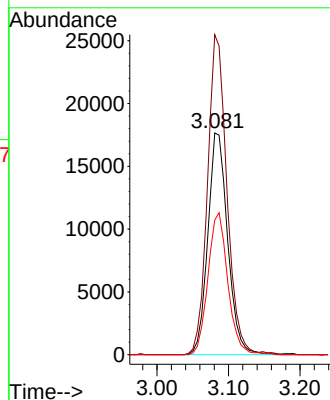
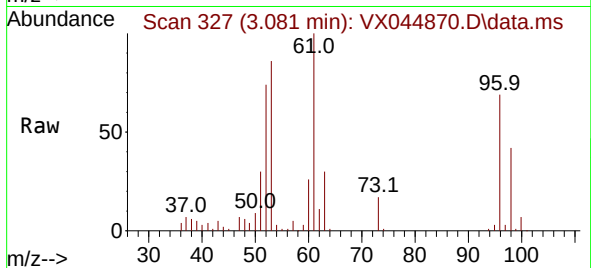




#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

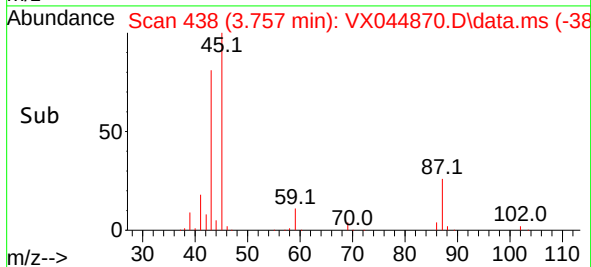
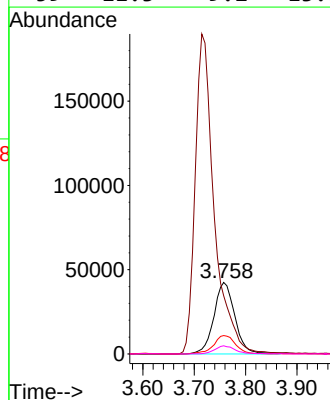
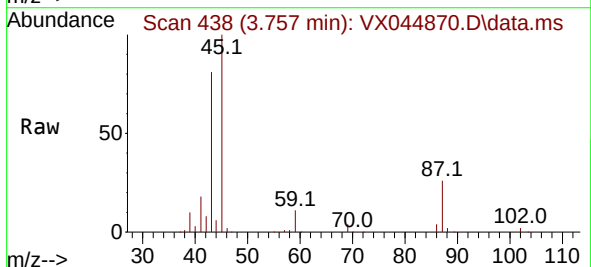
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

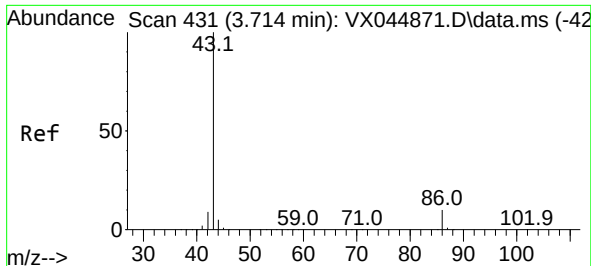
Tgt Ion: 96 Resp: 34064
Ion Ratio Lower Upper
96 100
61 144.3 106.0 159.0
98 60.8 50.6 76.0



#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300
Ion Ratio Lower Upper
45 100
43 80.8 58.0 87.0
87 25.8 20.7 31.1
59 11.3 9.2 13.8

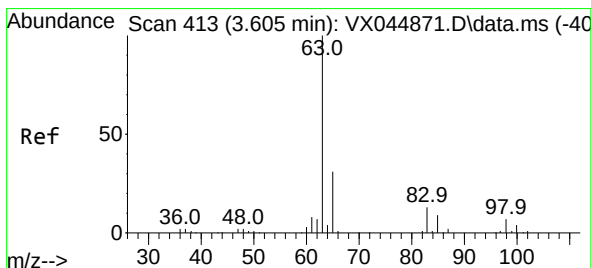
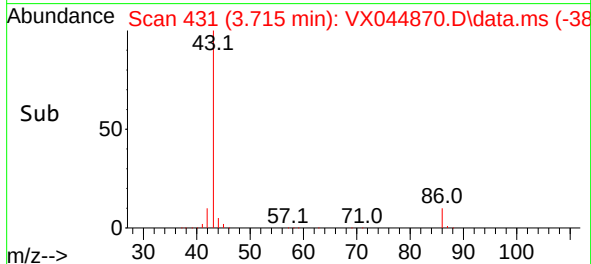
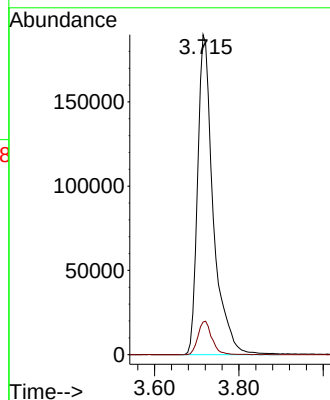
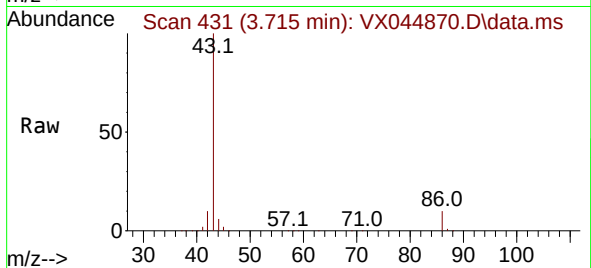




#23
 Vinyl Acetate
 Concen: 105.341 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

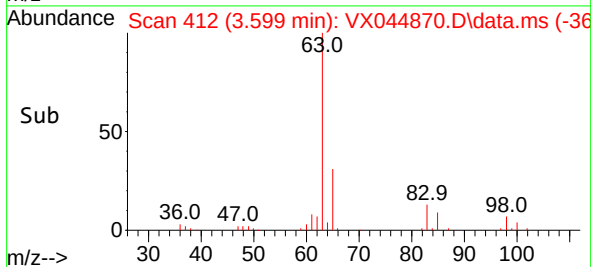
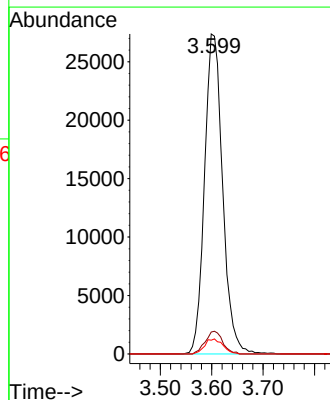
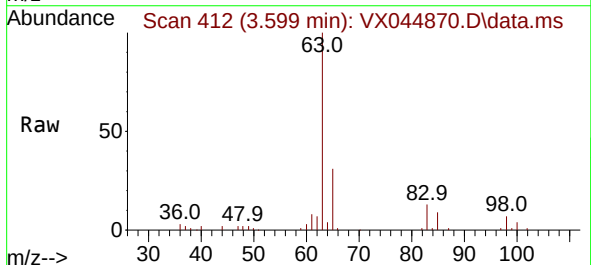
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

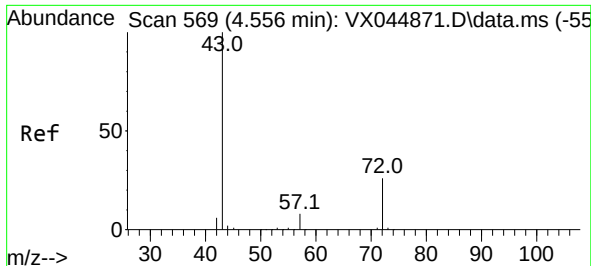
Tgt Ion: 43 Resp: 490239
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.958 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 66942
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.3 2.1 6.5

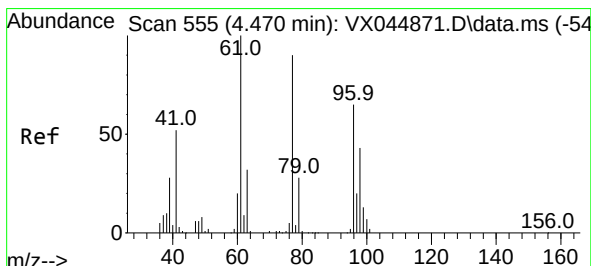
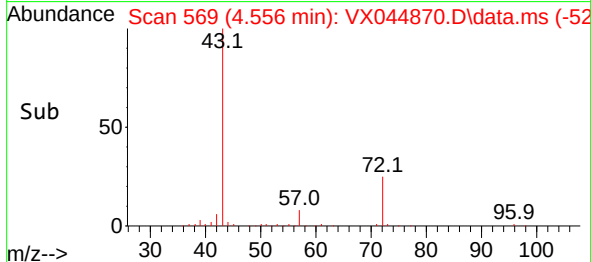
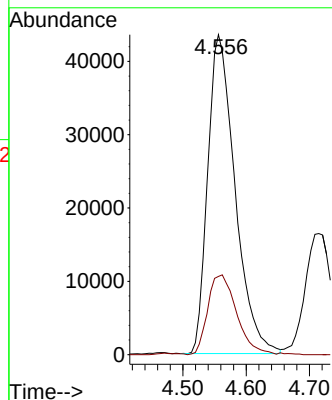
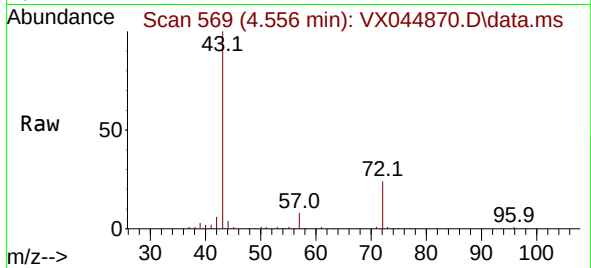




#25
2-Butanone
Concen: 105.417 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

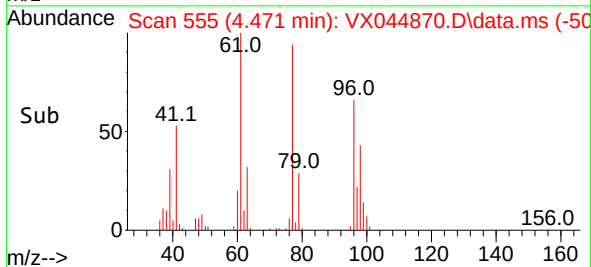
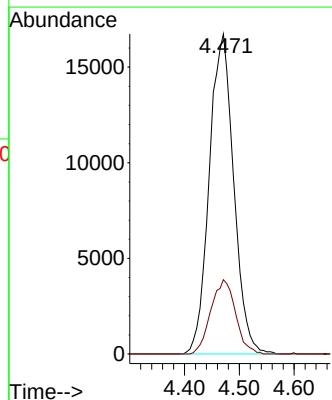
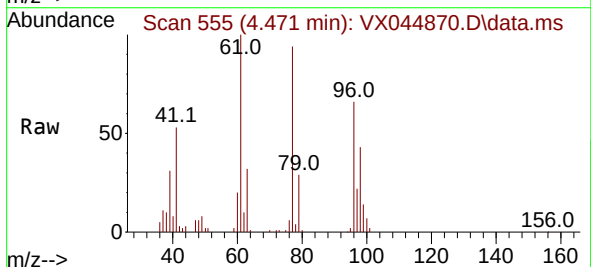
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

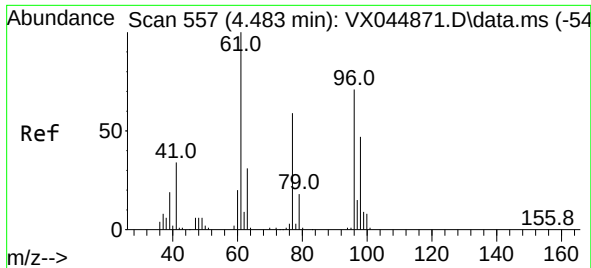
Tgt Ion: 43 Resp: 130481
Ion Ratio Lower Upper
43 100
72 24.2 21.2 31.8



#26
2,2-Dichloropropane
Concen: 20.451 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 77 Resp: 51803
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3

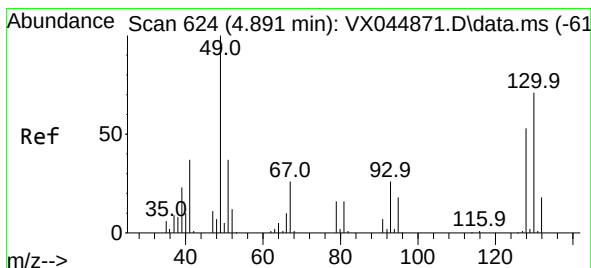
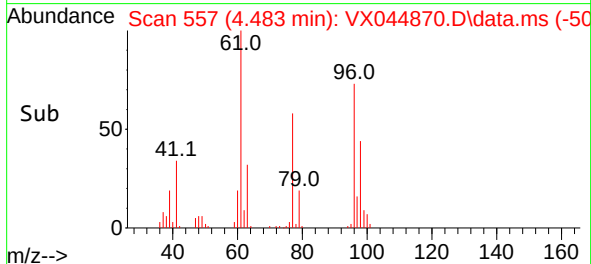
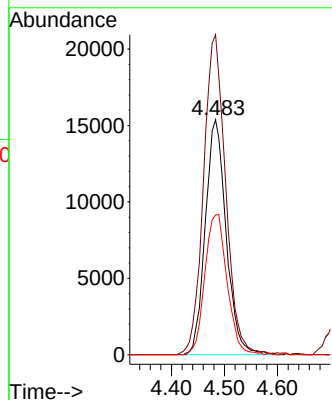
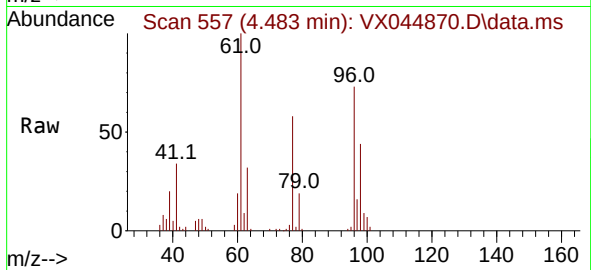




#27
 cis-1,2-Dichloroethene
 Concen: 21.328 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

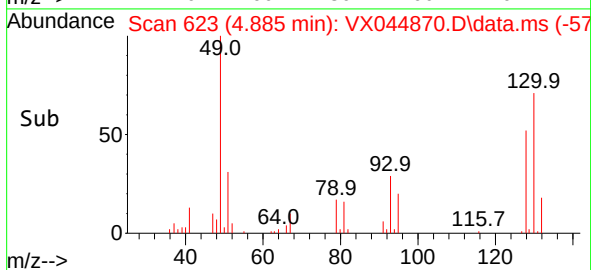
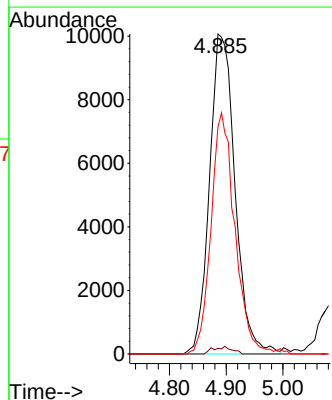
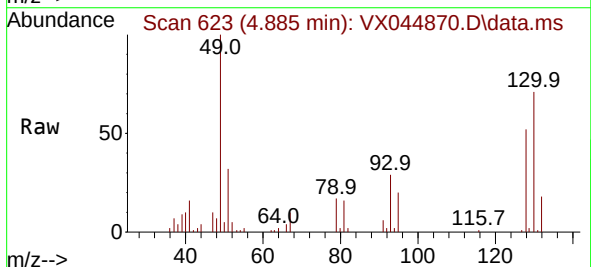
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

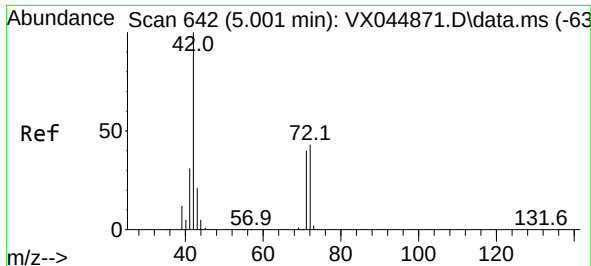
Tgt Ion: 96	Resp: 42096
Ion Ratio	Lower Upper
96 100	
61 143.8	0.0 294.0
98 63.4	0.0 131.2



#28
 Bromochloromethane
 Concen: 20.504 ug/l
 RT: 4.885 min Scan# 623
 Delta R.T. -0.006 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion: 49	Resp: 31474
Ion Ratio	Lower Upper
49 100	
129 1.7	0.0 3.6
130 70.3	56.7 85.1





#29

Tetrahydrofuran

Concen: 105.700 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

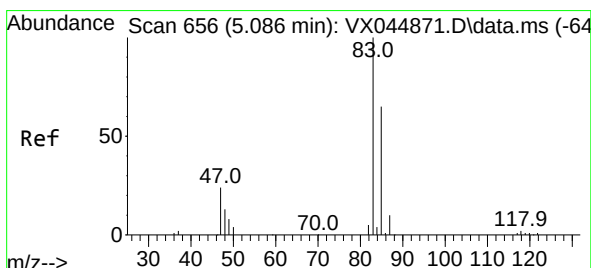
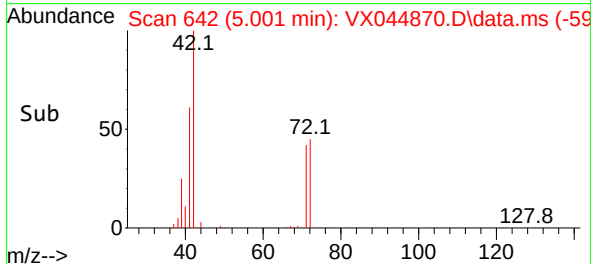
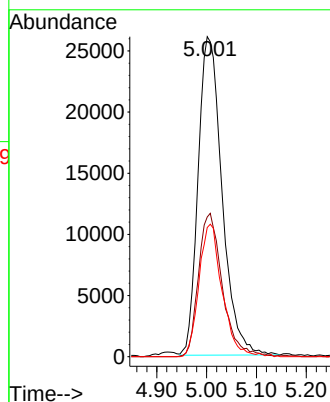
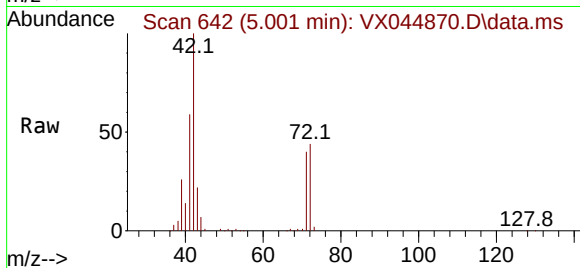
Tgt Ion: 42 Resp: 86875

Ion Ratio Lower Upper

42 100

72 44.9 35.0 52.4

71 40.4 32.6 48.8



#30

Chloroform

Concen: 21.217 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044870.D

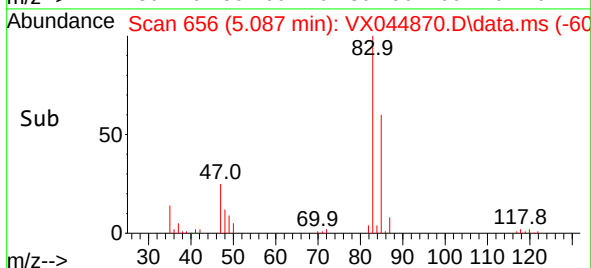
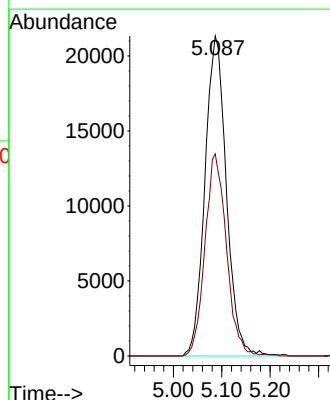
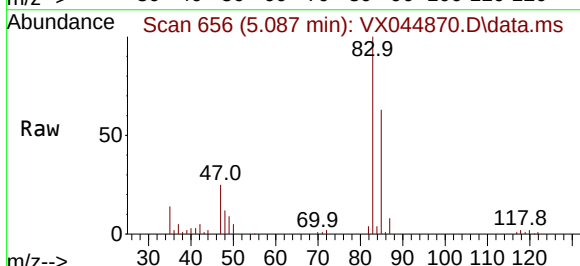
Acq: 10 Feb 2025 11:11

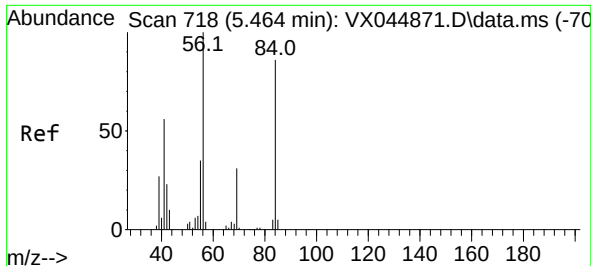
Tgt Ion: 83 Resp: 65721

Ion Ratio Lower Upper

83 100

85 63.2 52.1 78.1

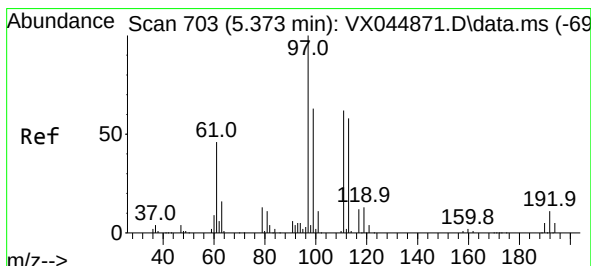
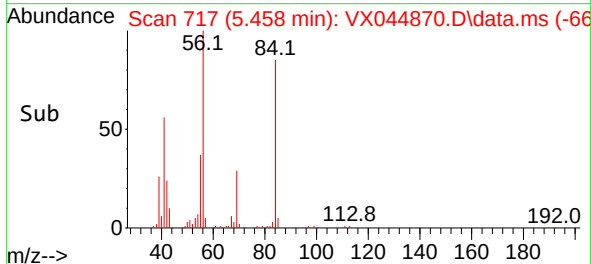
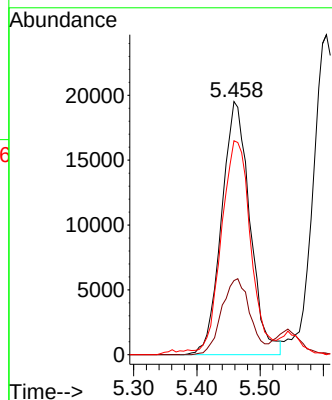
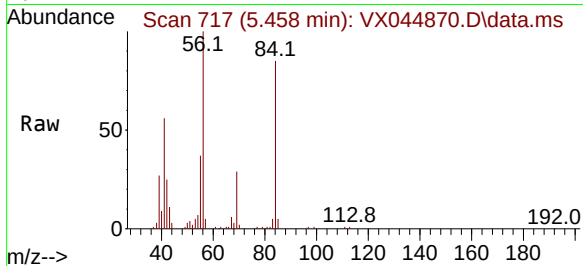




#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

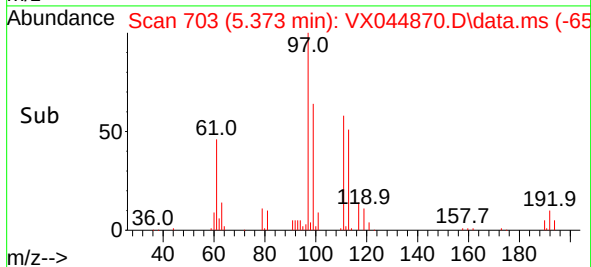
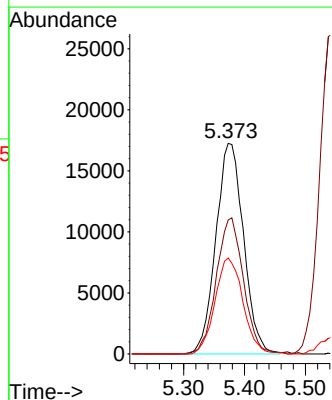
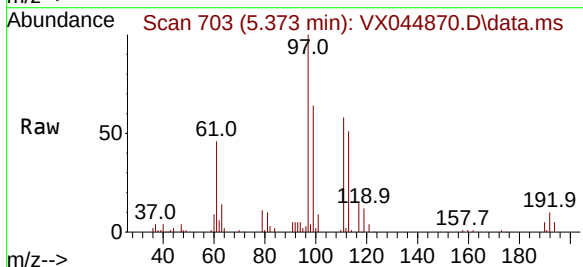
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

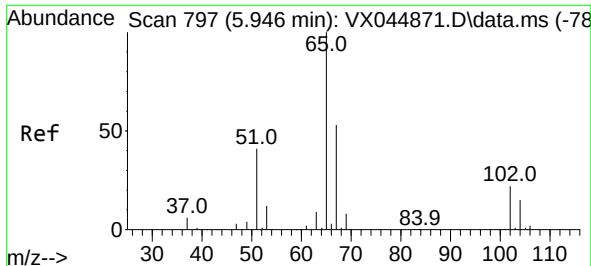
Tgt Ion: 56 Resp: 60814
Ion Ratio Lower Upper
56 100
69 29.2 24.4 36.6
84 83.1 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 45.9 36.6 55.0

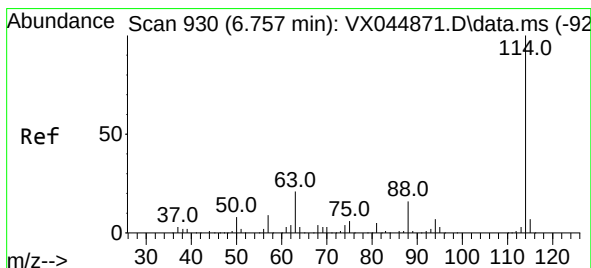
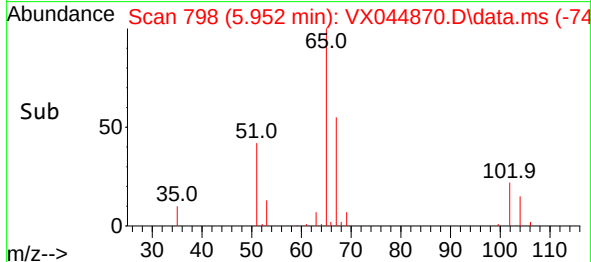
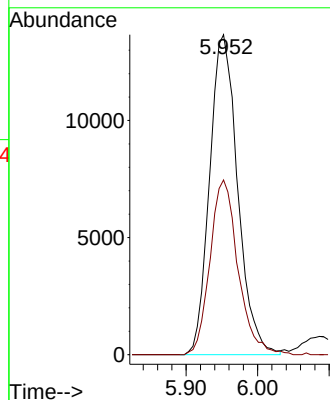
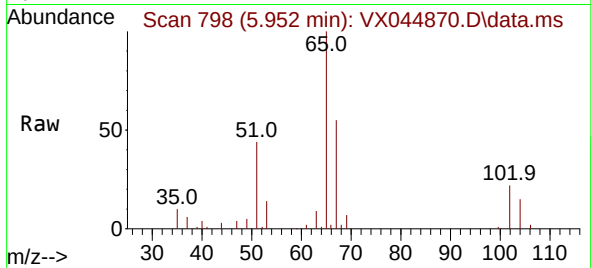




#33
1,2-Dichloroethane-d4
Concen: 19.616 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

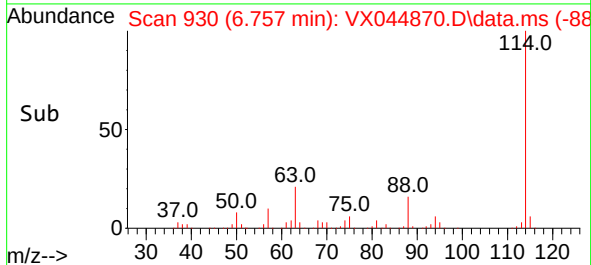
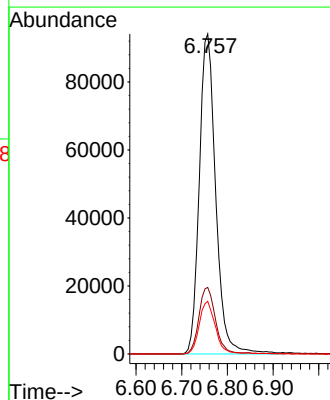
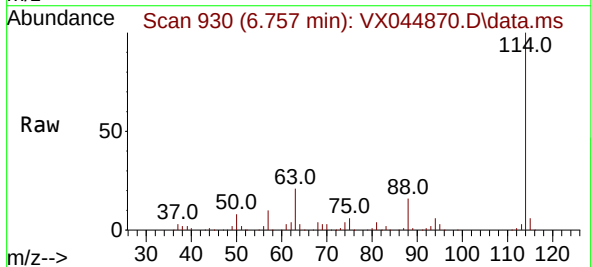
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

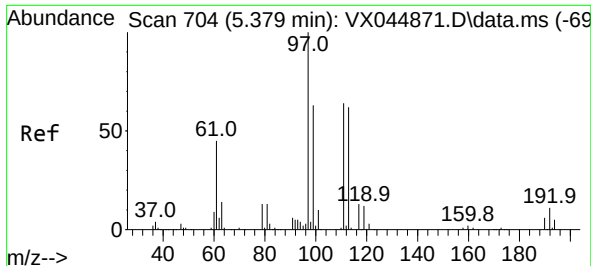
Tgt Ion: 65 Resp: 37195
Ion Ratio Lower Upper
65 100
67 54.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 114 Resp: 234445
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.4
88 16.4 0.0 31.4

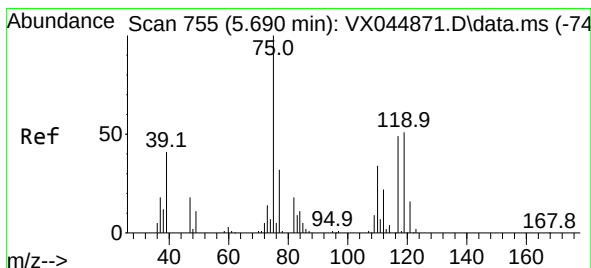
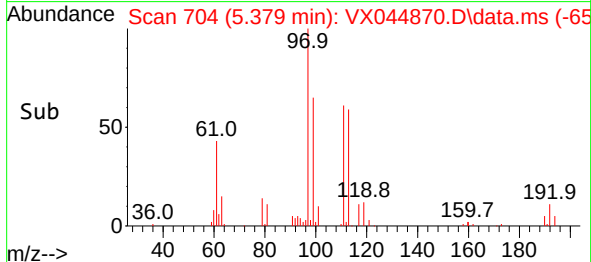
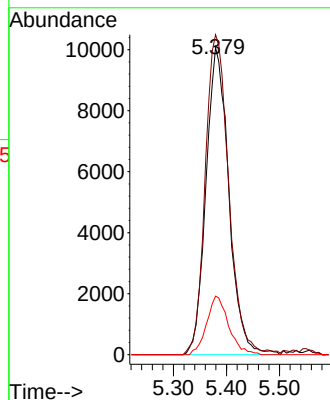
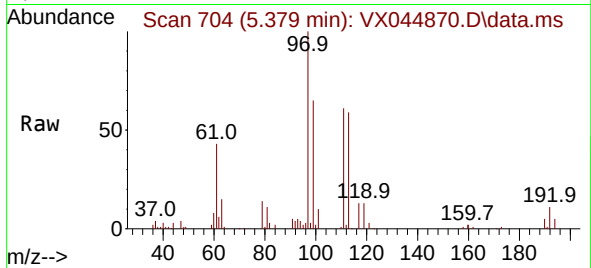




#35
Dibromofluoromethane
Concen: 19.793 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

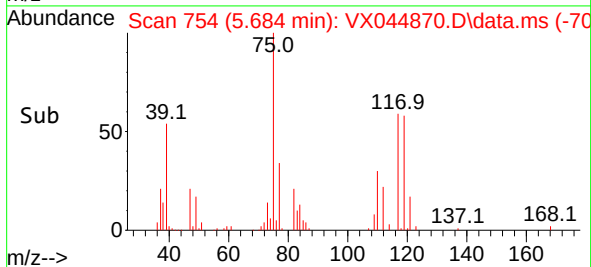
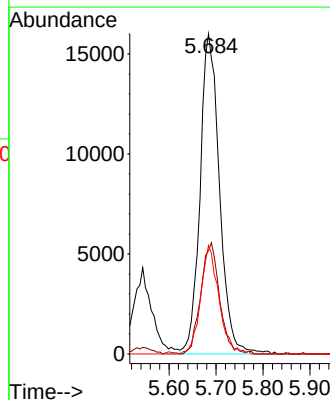
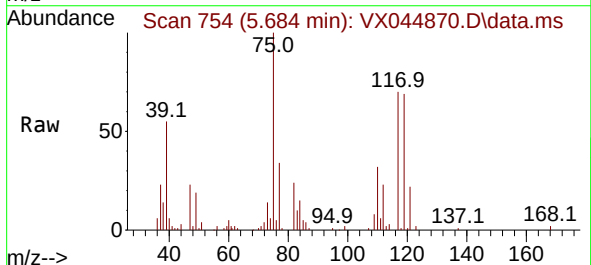
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

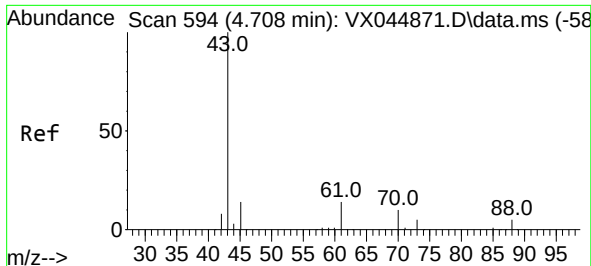
Tgt Ion:113 Resp: 30170
Ion Ratio Lower Upper
113 100
111 106.3 83.5 125.3
192 18.3 14.4 21.6



#36
1,1-Dichloropropene
Concen: 20.913 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 45991
Ion Ratio Lower Upper
75 100
110 33.8 17.2 51.6
77 31.7 24.6 37.0

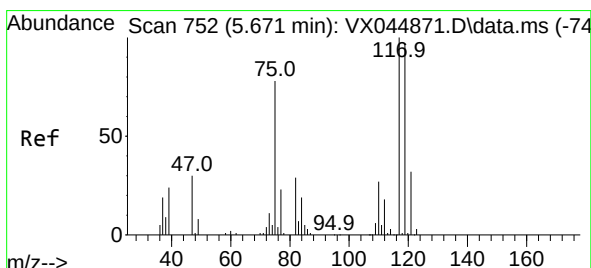
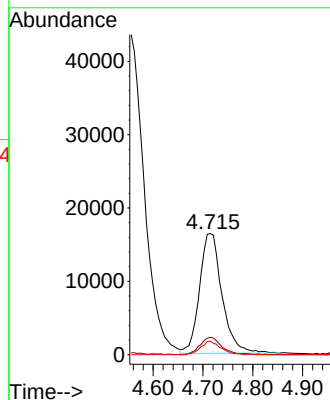
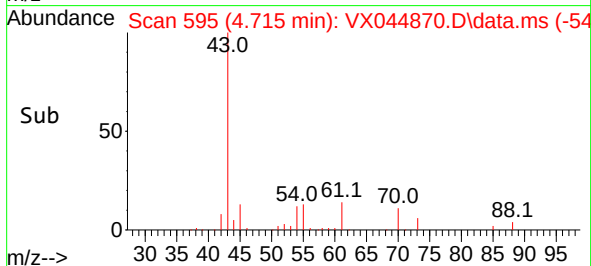
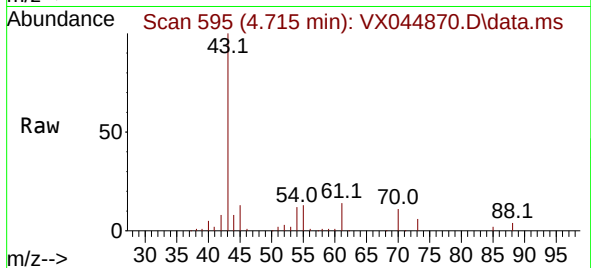




#37
Ethyl Acetate
Concen: 20.949 ug/l
RT: 4.715 min Scan# 51
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

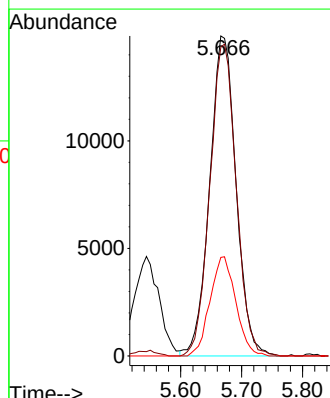
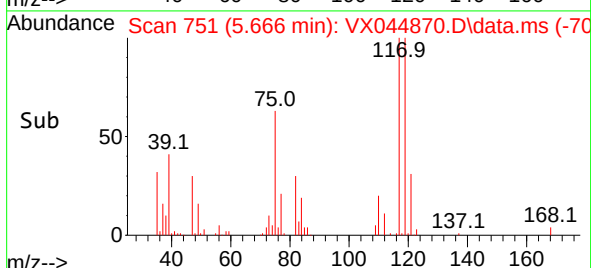
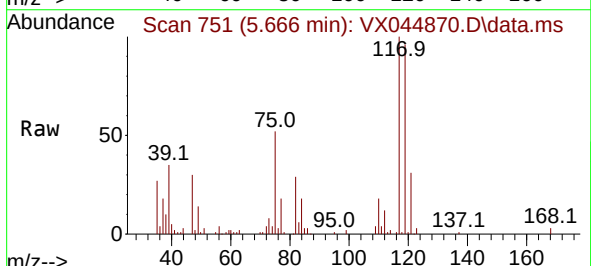
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

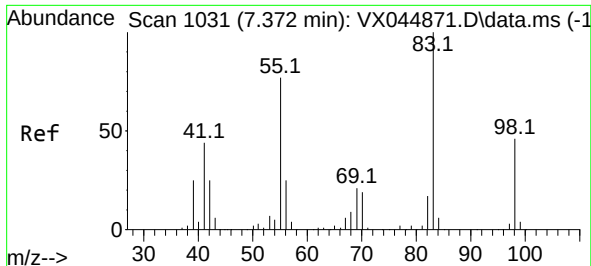
Tgt Ion:	43	Resp:	51242
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.9	8.2	12.2



#38
Carbon Tetrachloride
Concen: 20.790 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:	117	Resp:	44802
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
121	30.8	25.6	38.4





#39

Methylcyclohexane

Concen: 21.985 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

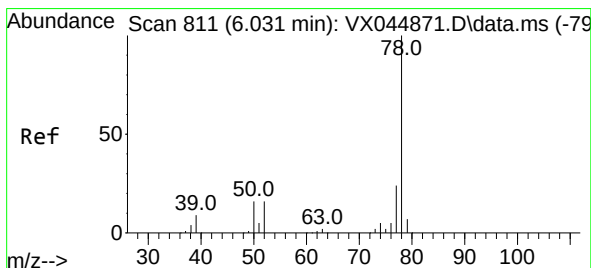
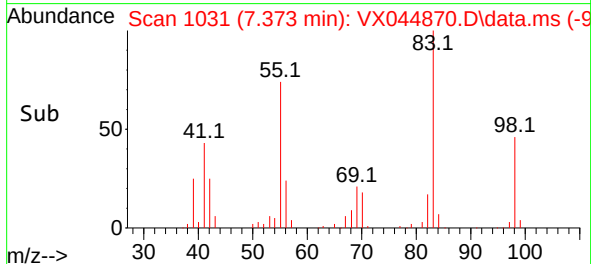
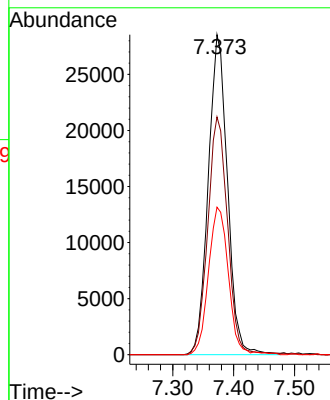
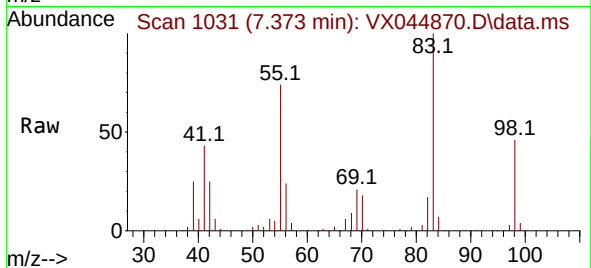
Tgt Ion: 83 Resp: 62505

Ion Ratio Lower Upper

83 100

55 74.3 61.3 91.9

98 46.1 37.0 55.6



#40

Benzene

Concen: 21.540 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044870.D

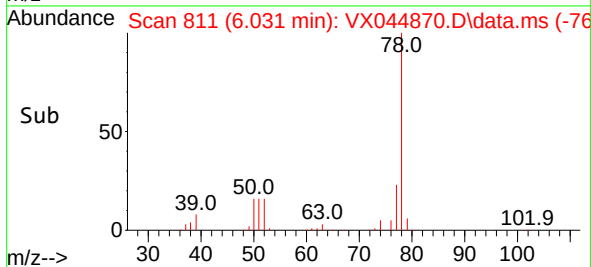
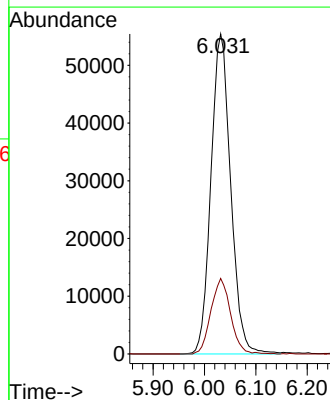
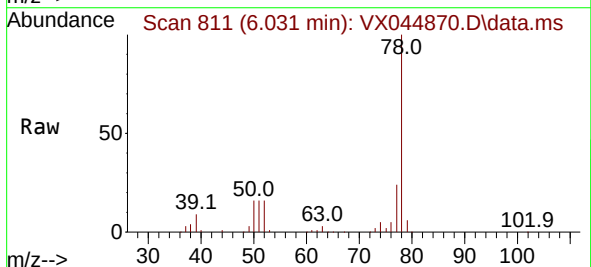
Acq: 10 Feb 2025 11:11

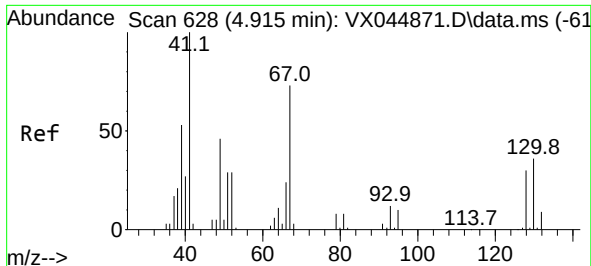
Tgt Ion: 78 Resp: 147912

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

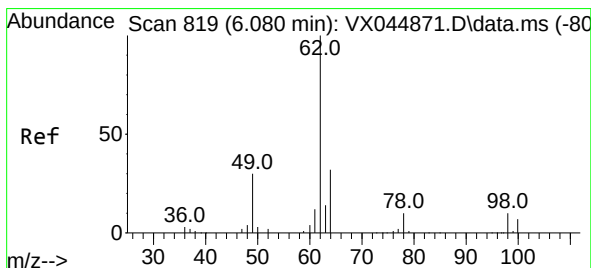
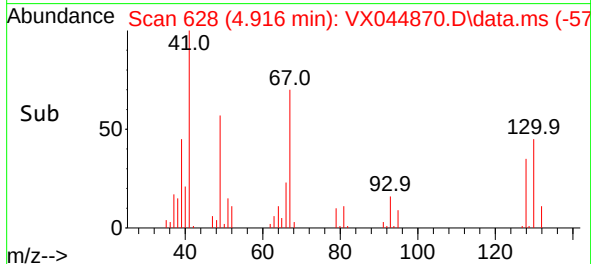
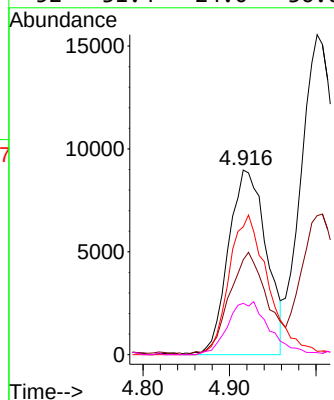
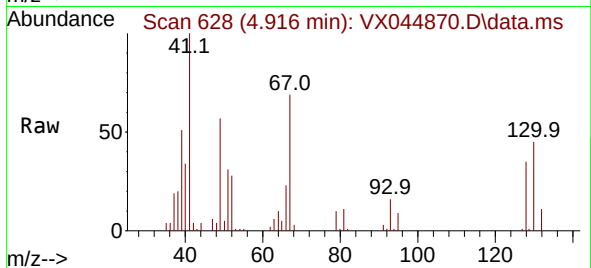




#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

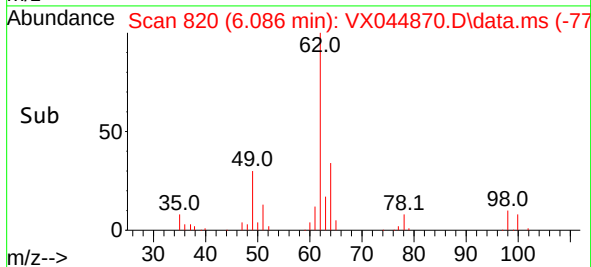
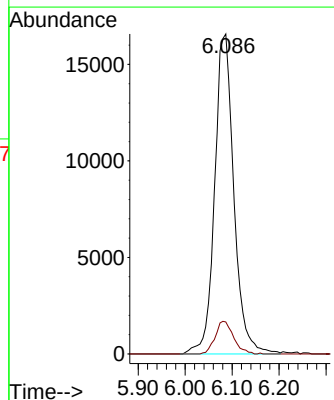
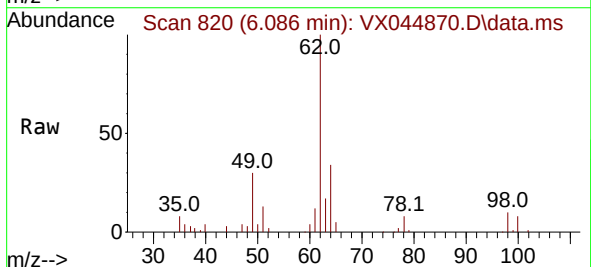
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

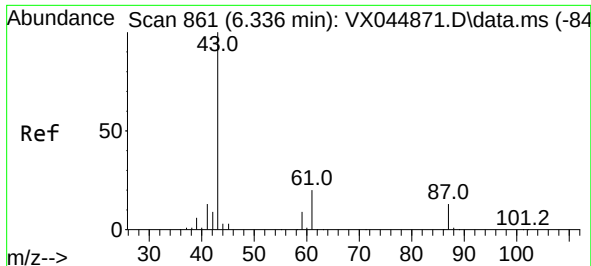
Tgt Ion:	41	Resp:	27347
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	78.6	57.0	85.6
52	31.4	24.0	36.0



#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:	62	Resp:	47095
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

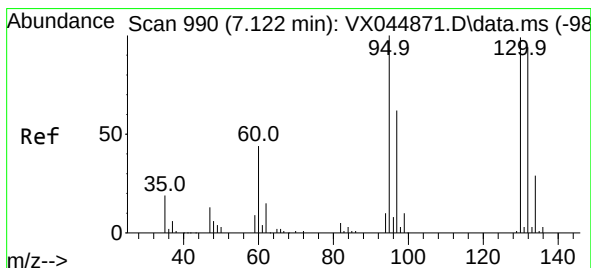
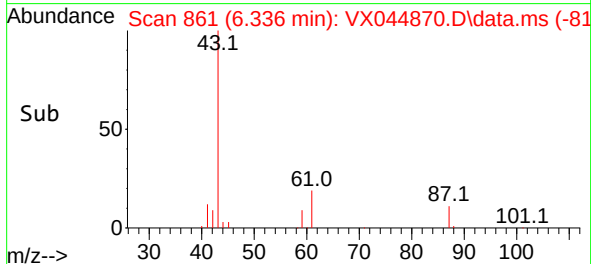
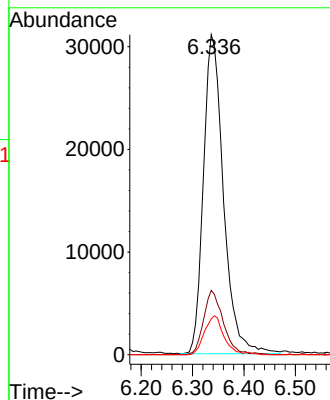
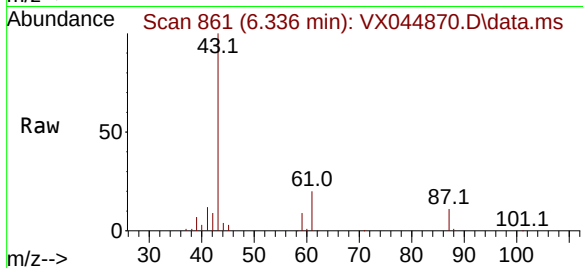




#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

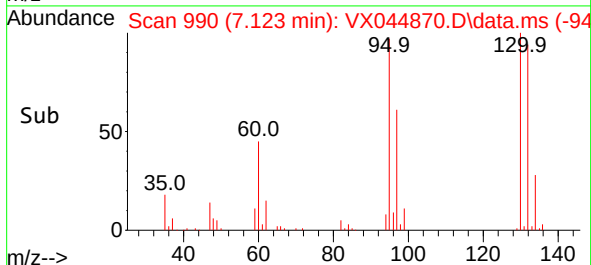
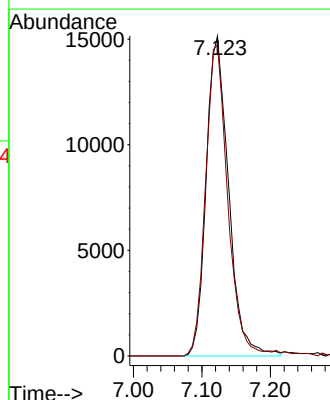
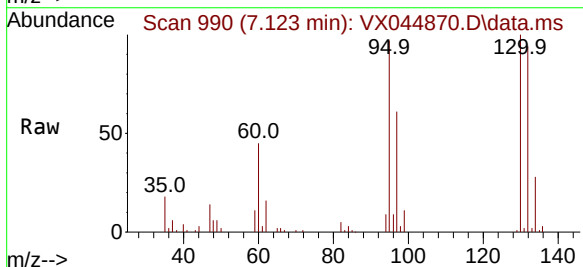
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

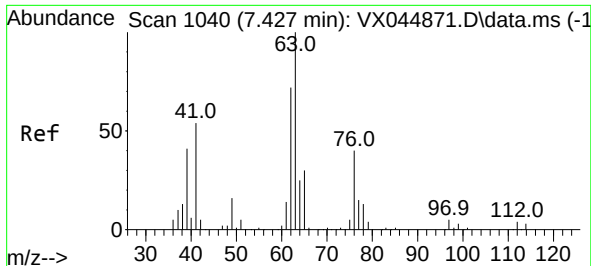
Tgt Ion: 43 Resp: 84306
Ion Ratio Lower Upper
43 100
61 19.5 15.8 23.8
87 11.6 10.0 15.0



#44
Trichloroethene
Concen: 21.910 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:130 Resp: 34390
Ion Ratio Lower Upper
130 100
95 97.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.371 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

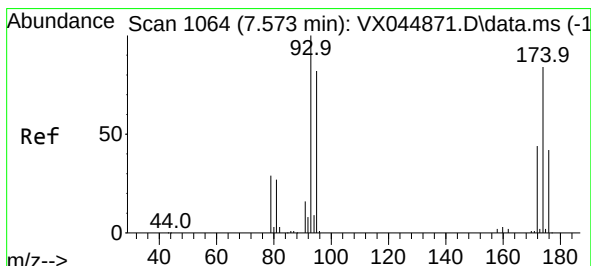
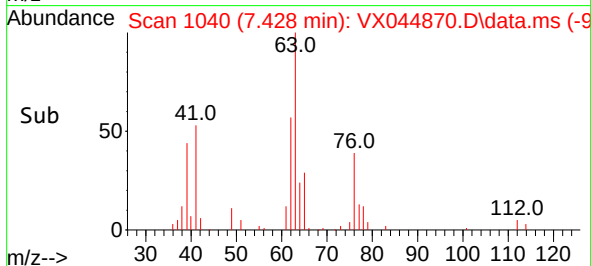
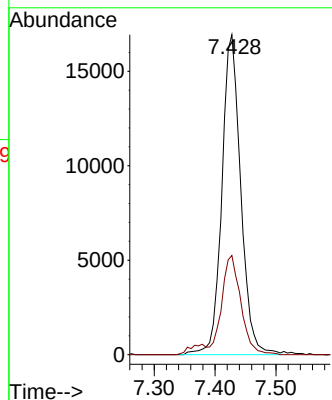
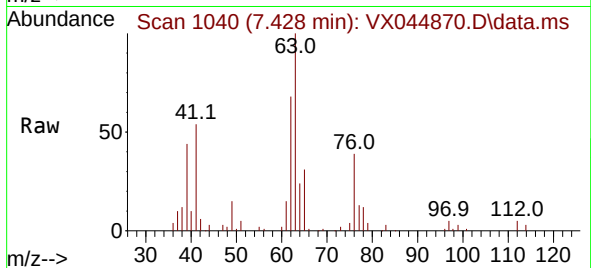
VSTDIC020

Tgt Ion: 63 Resp: 36510

Ion Ratio Lower Upper

63 100

65 31.0 24.2 36.4



#46

Dibromomethane

Concen: 21.354 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

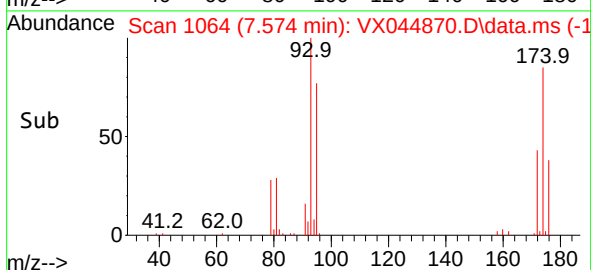
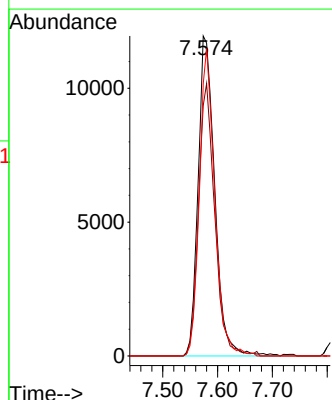
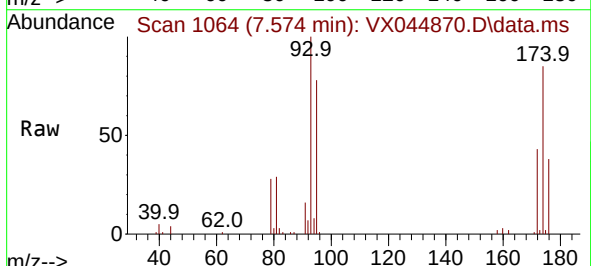
Tgt Ion: 93 Resp: 25300

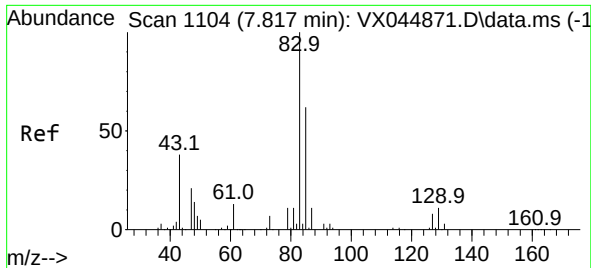
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.6 69.9 104.9

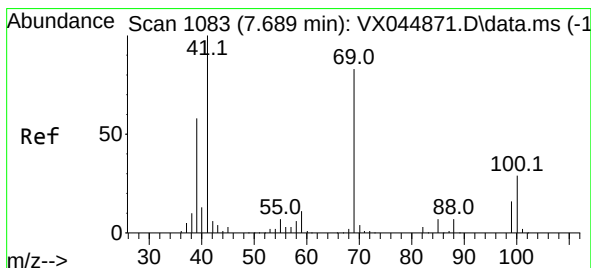
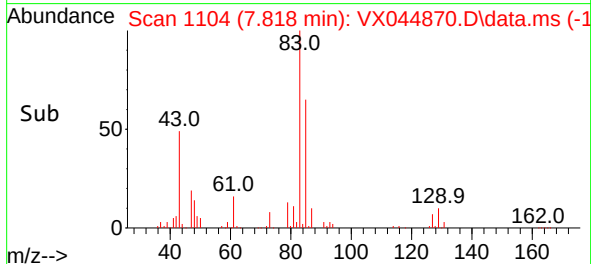
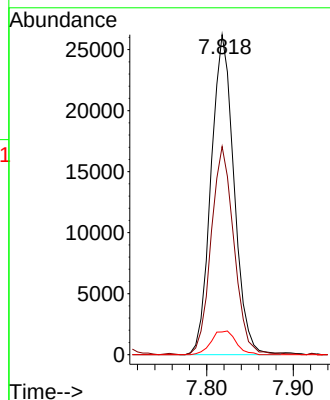
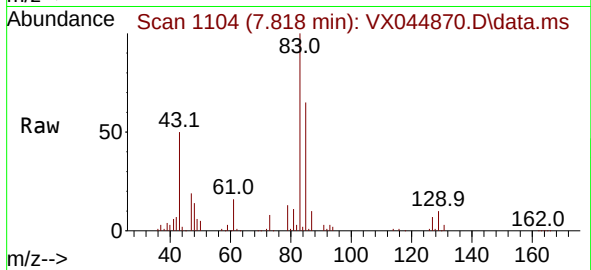




#47
Bromodichloromethane
Concen: 21.012 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

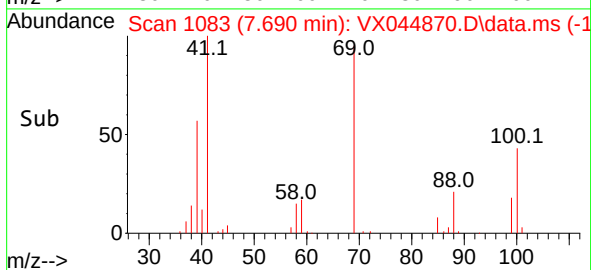
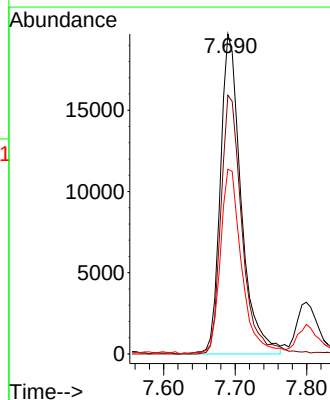
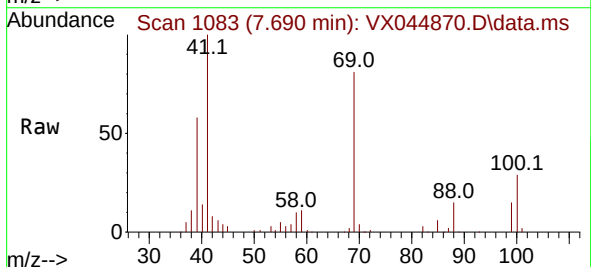
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

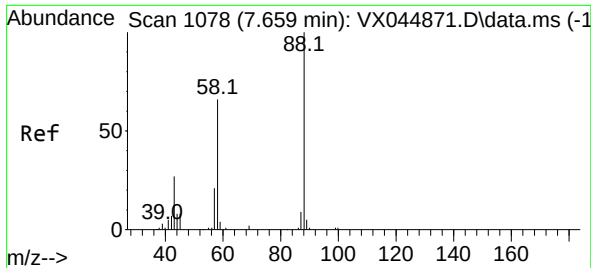
Tgt Ion: 83 Resp: 48202
Ion Ratio Lower Upper
83 100
85 65.1 50.0 75.0
127 7.1 6.4 9.6



#48
Methyl methacrylate
Concen: 21.341 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 39747
Ion Ratio Lower Upper
41 100
69 82.5 65.8 98.8
39 58.2 46.4 69.6

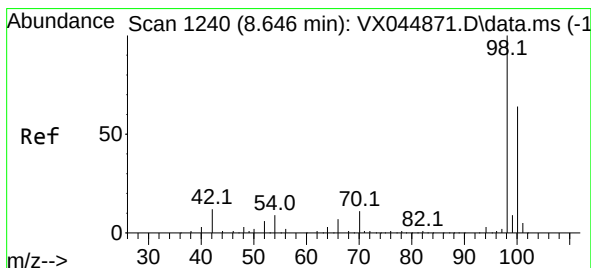
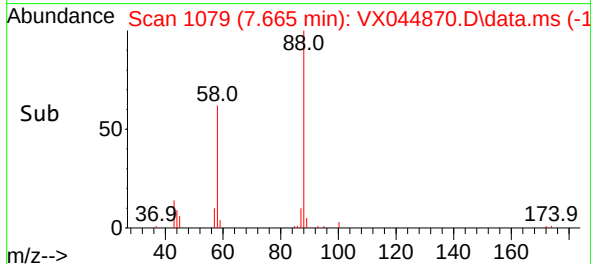
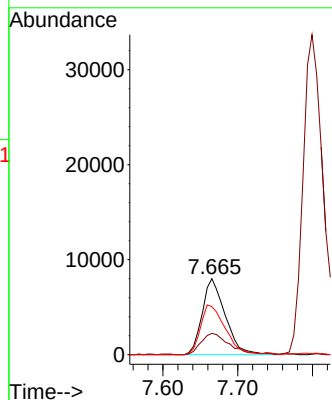
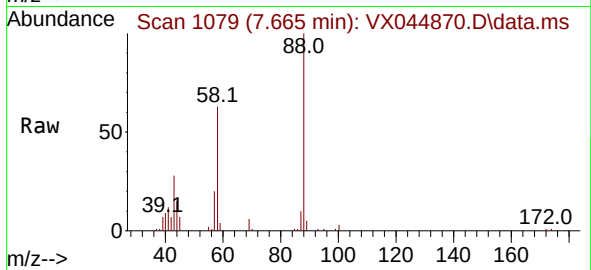




#49
1,4-Dioxane
Concen: 429.262 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

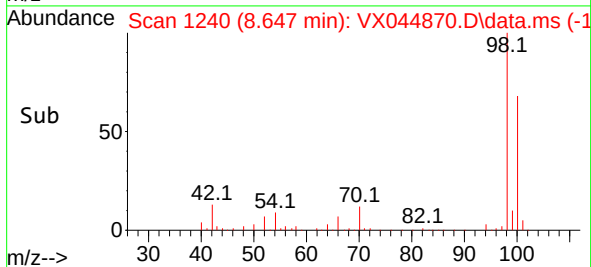
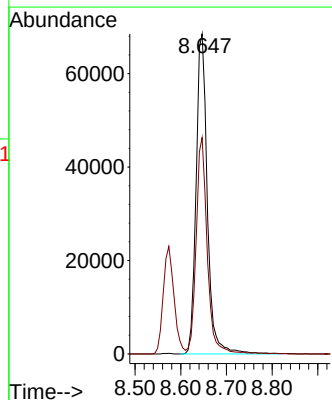
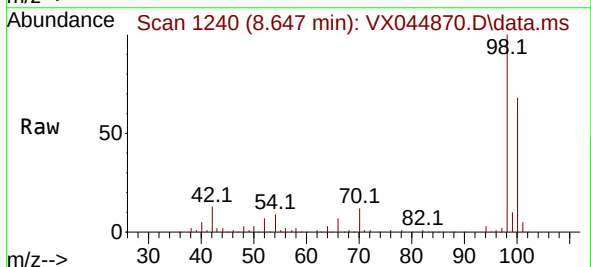
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

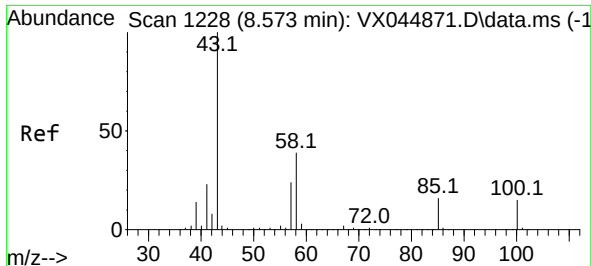
Tgt Ion:	88	Resp:	17153
Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9



#50
Toluene-d8
Concen: 20.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:	98	Resp:	117127
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1

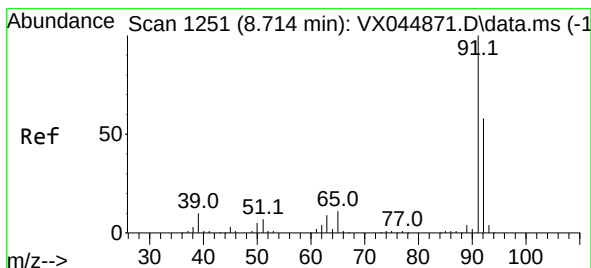
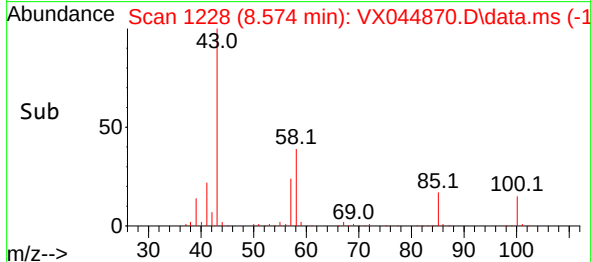
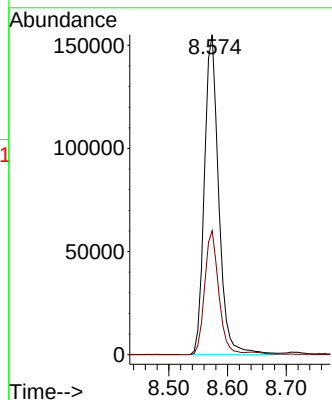
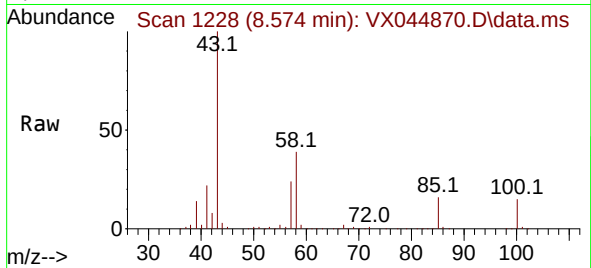




#51
4-Methyl-2-Pentanone
Concen: 109.684 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

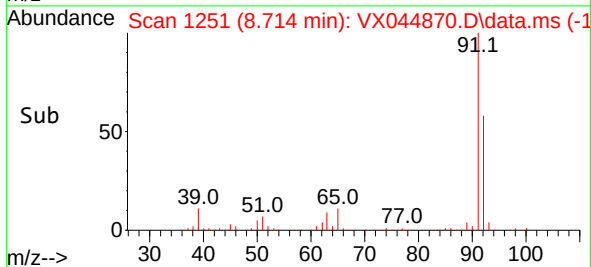
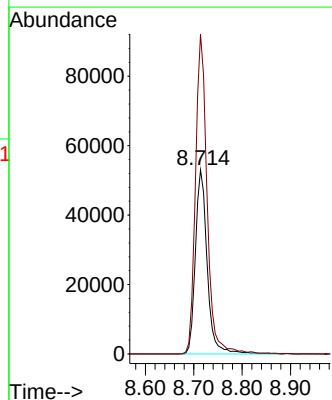
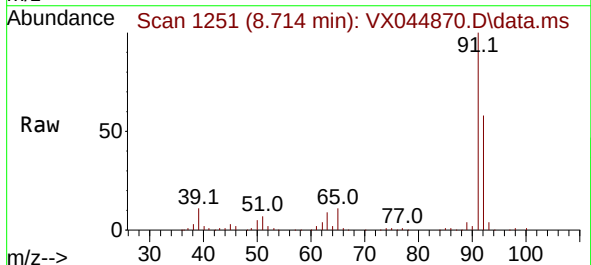
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

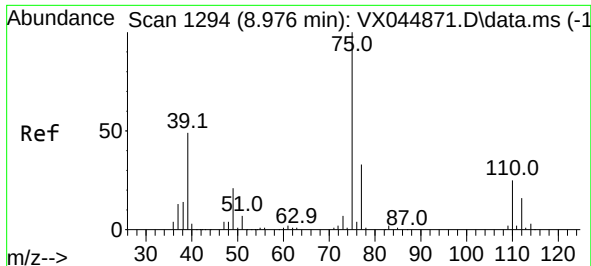
Tgt Ion: 43 Resp: 263394
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2



#52
Toluene
Concen: 21.940 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 92 Resp: 89726
Ion Ratio Lower Upper
92 100
91 171.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.940 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

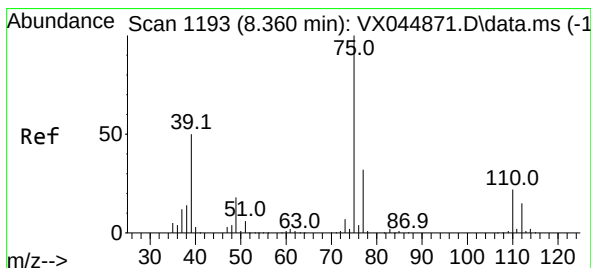
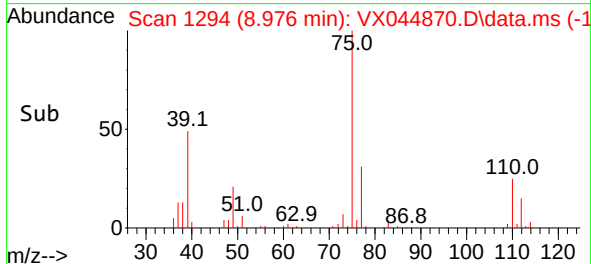
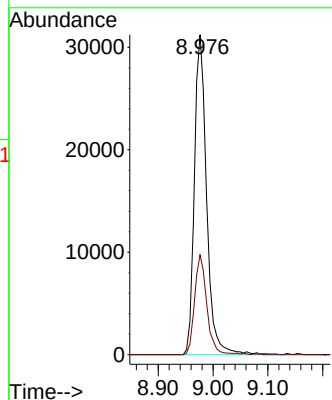
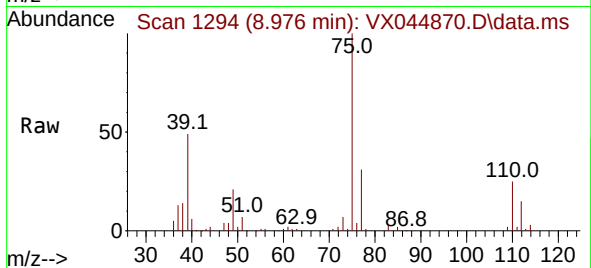
VSTDIC020

Tgt Ion: 75 Resp: 48613

Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 21.259 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

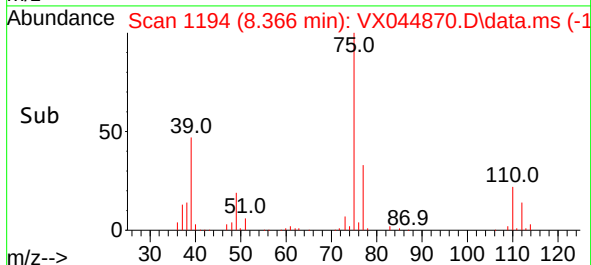
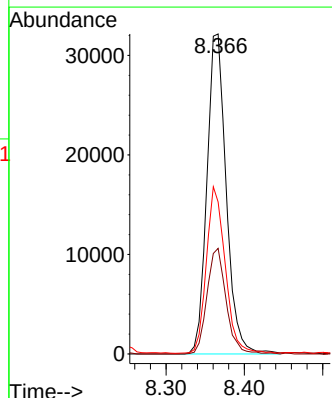
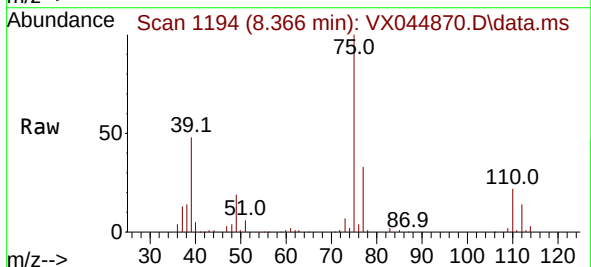
Tgt Ion: 75 Resp: 55026

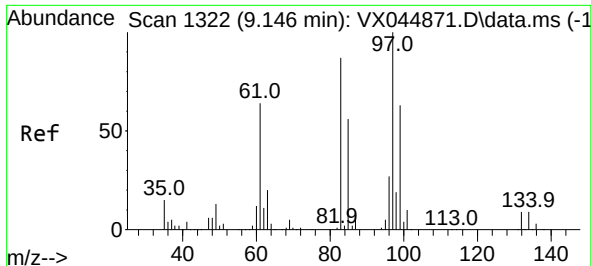
Ion Ratio Lower Upper

75 100

77 33.0 25.3 37.9

39 47.3 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.582 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 33930

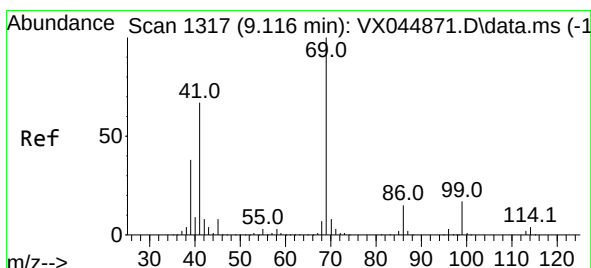
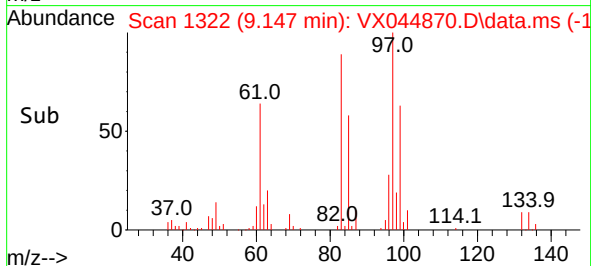
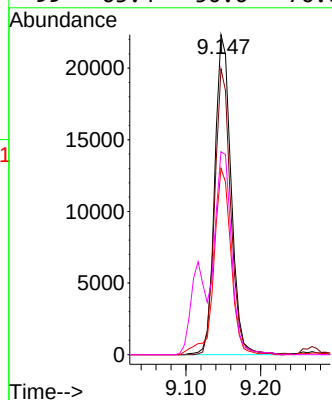
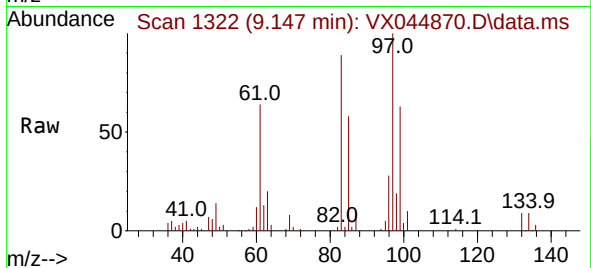
Ion Ratio Lower Upper

97 100

83 89.3 69.8 104.6

85 58.3 44.8 67.2

99 63.4 50.6 76.0



#56

Ethyl methacrylate

Concen: 21.533 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

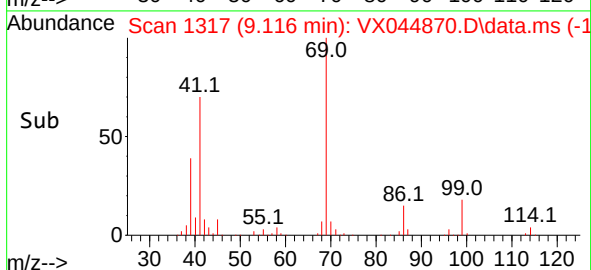
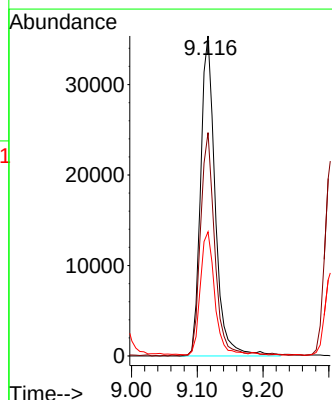
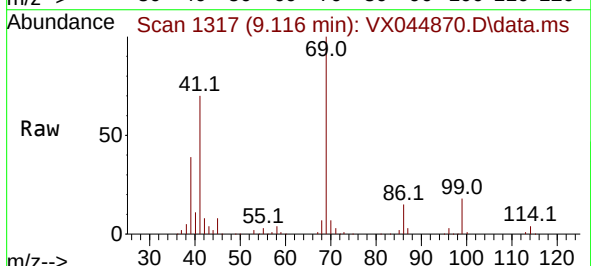
Tgt Ion: 69 Resp: 54674

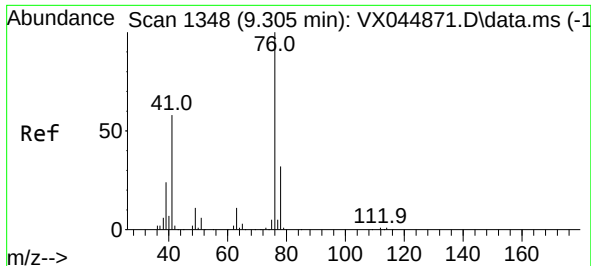
Ion Ratio Lower Upper

69 100

41 68.4 55.2 82.8

39 37.4 30.8 46.2





#57

1,3-Dichloropropane

Concen: 21.841 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

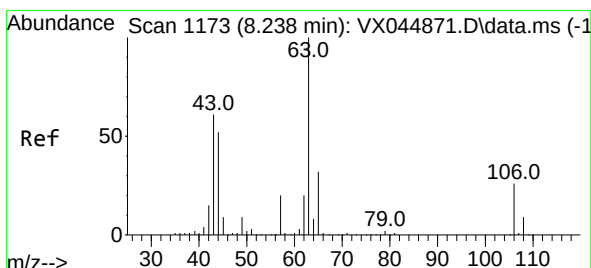
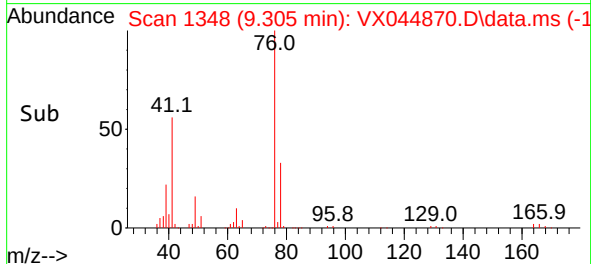
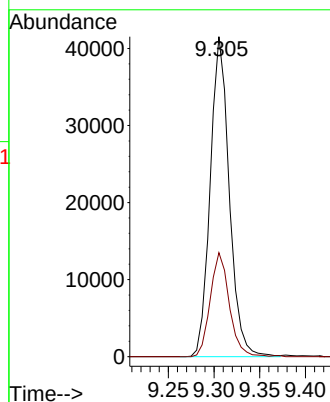
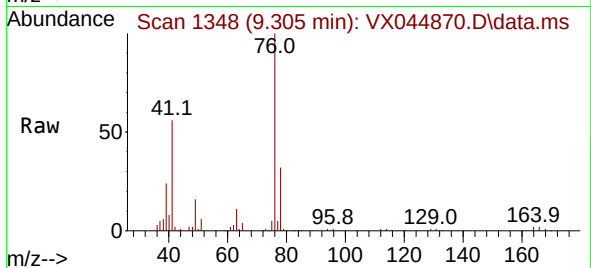
VSTDIC020

Tgt Ion: 76 Resp: 60079

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 106.736 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044870.D

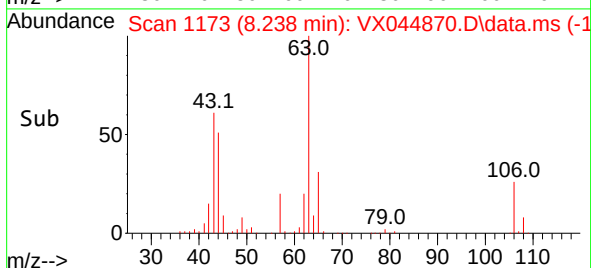
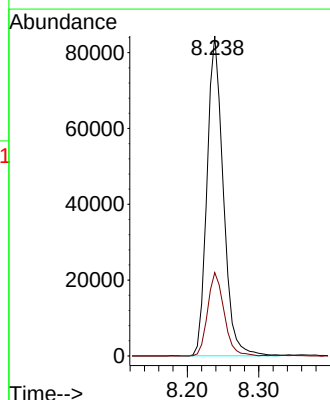
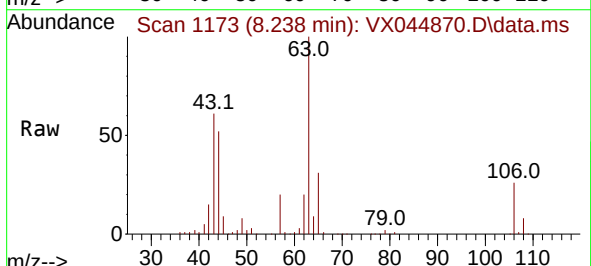
Acq: 10 Feb 2025 11:11

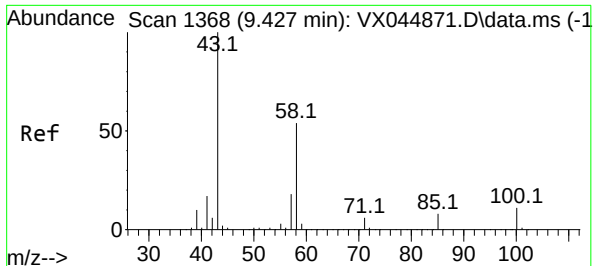
Tgt Ion: 63 Resp: 133072

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9

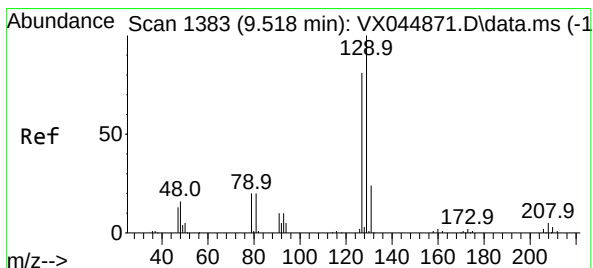
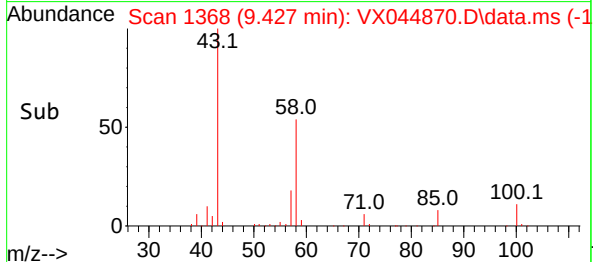
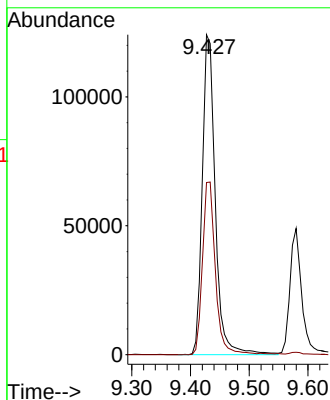
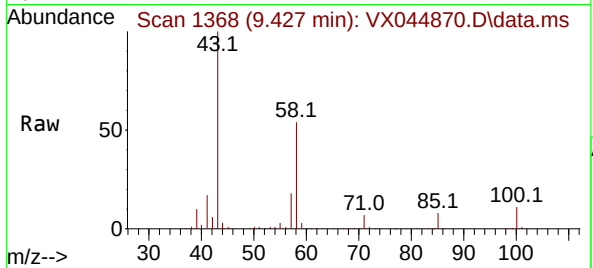




#59
2-Hexanone
Concen: 110.072 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

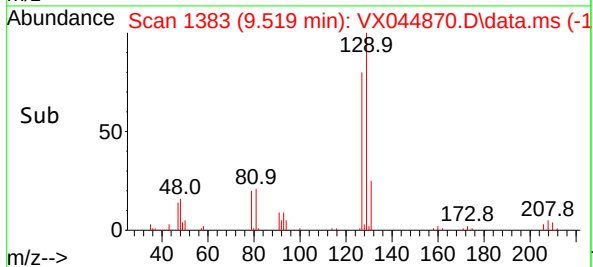
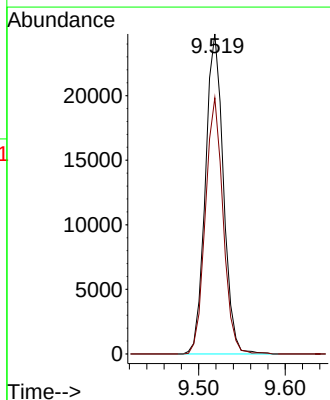
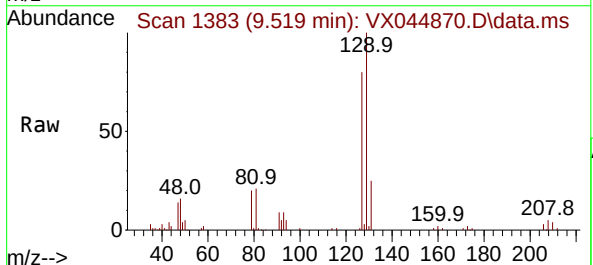
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

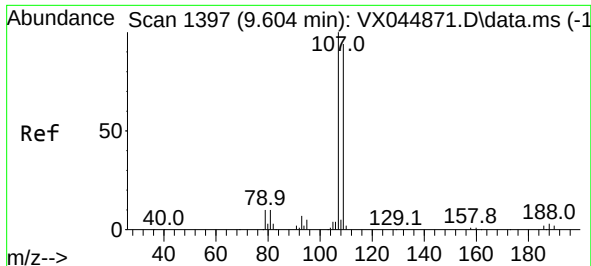
Tgt Ion: 43 Resp: 190449
Ion Ratio Lower Upper
43 100
58 53.5 27.5 82.4



#60
Dibromochloromethane
Concen: 21.237 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 129 Resp: 35706
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.3

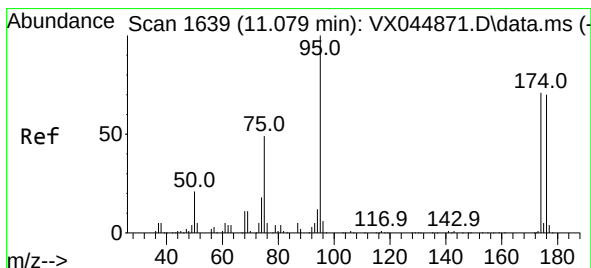
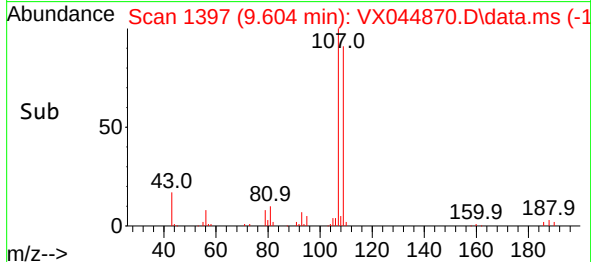
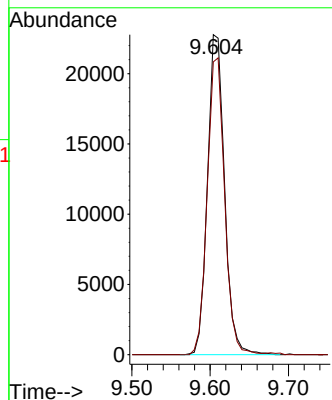
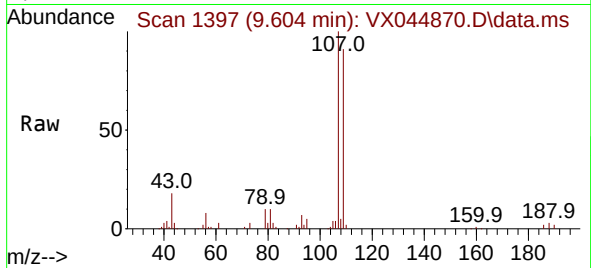




#61
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

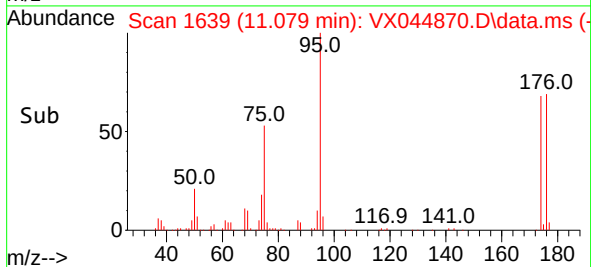
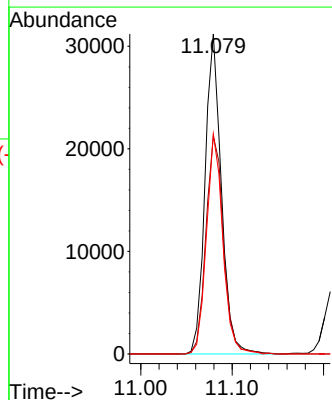
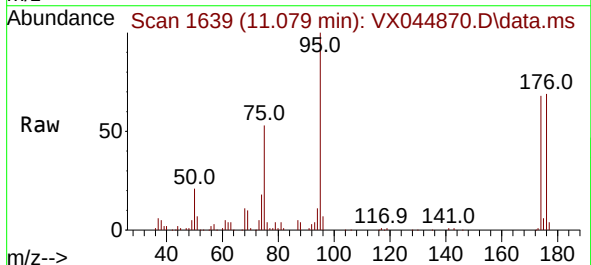
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

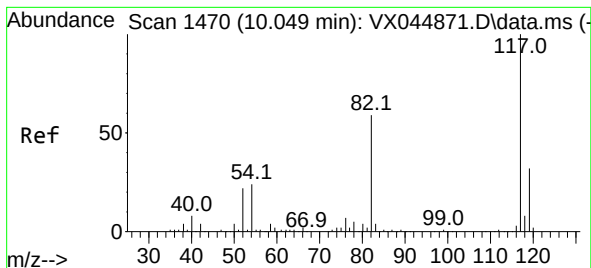
Tgt Ion:107 Resp: 34463
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 19.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 95 Resp: 38475
Ion Ratio Lower Upper
95 100
174 73.5 0.0 142.6
176 69.0 0.0 141.6

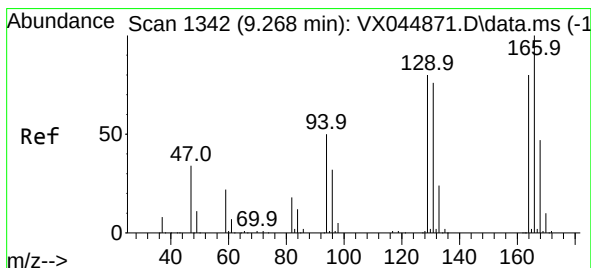
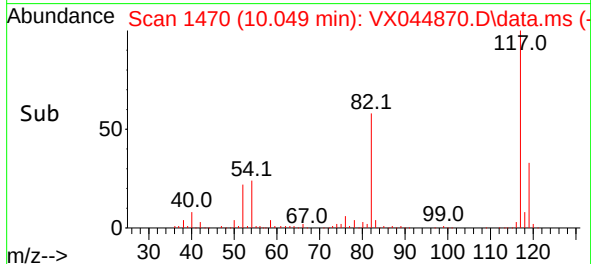
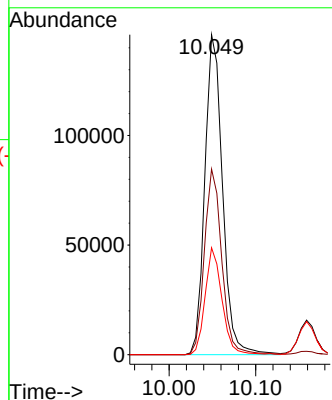
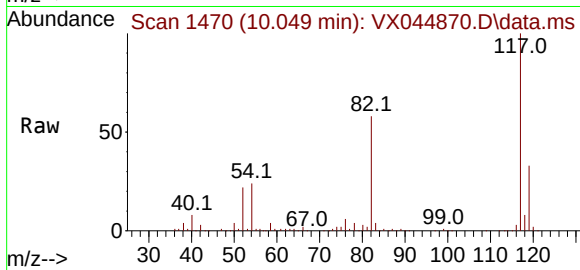




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

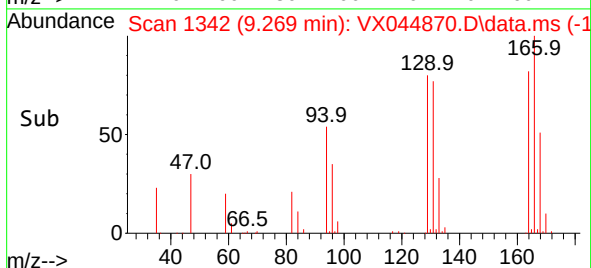
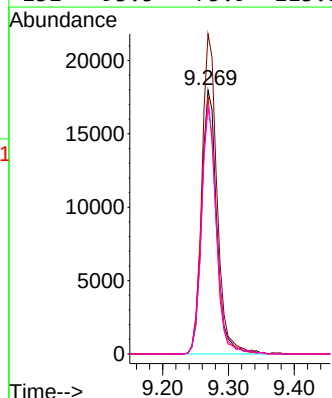
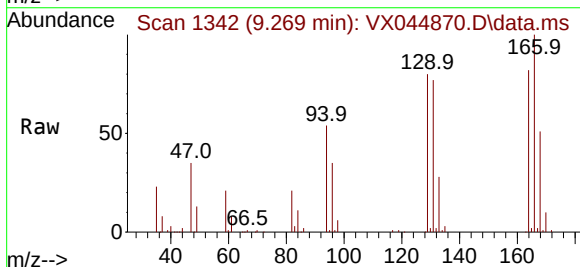
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

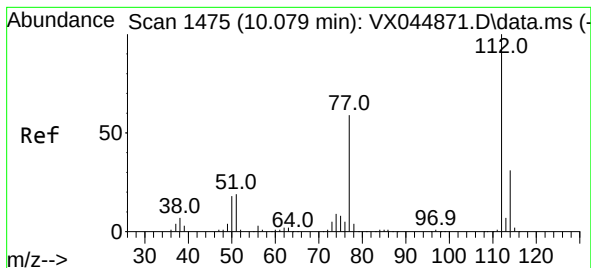
Tgt Ion:117 Resp: 207667
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 33.4 25.4 38.0



#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:164 Resp: 28519
Ion Ratio Lower Upper
164 100
166 121.4 100.4 150.6
129 97.6 79.9 119.9
131 93.5 75.9 113.9

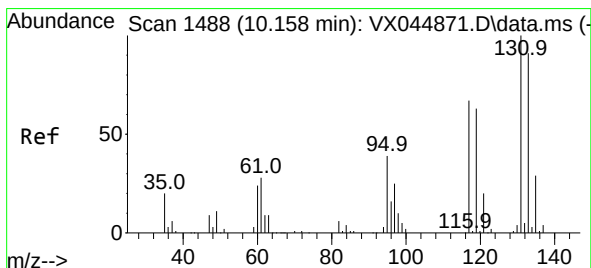
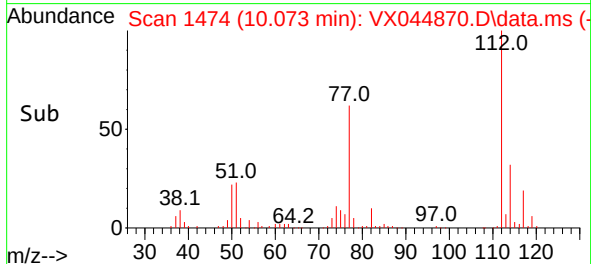
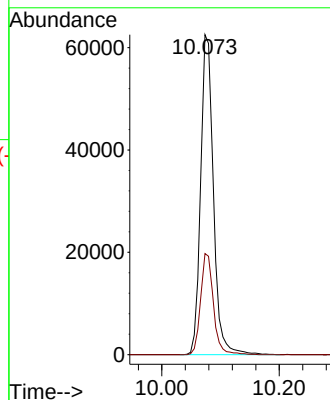
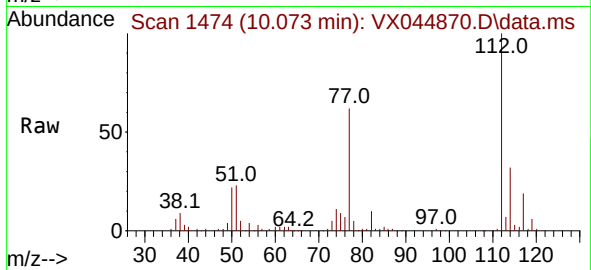




#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

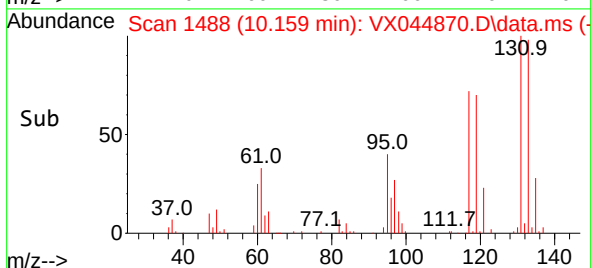
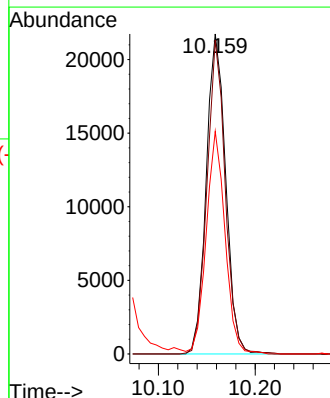
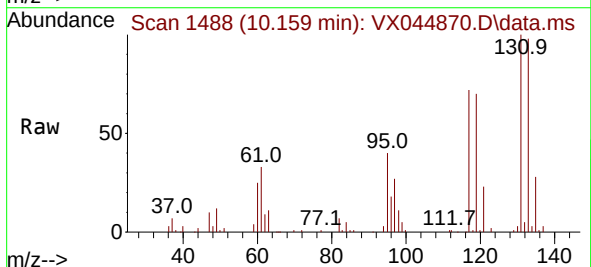
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

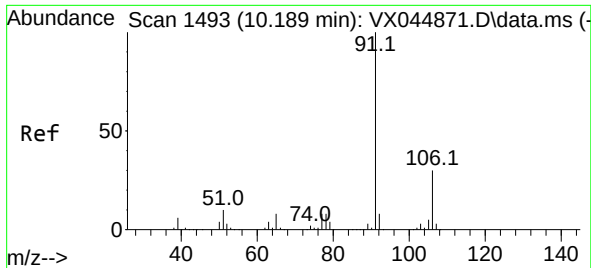
Tgt Ion:112 Resp: 94695
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:131 Resp: 30344
Ion Ratio Lower Upper
131 100
133 92.9 47.1 141.3
119 67.4 33.6 100.6

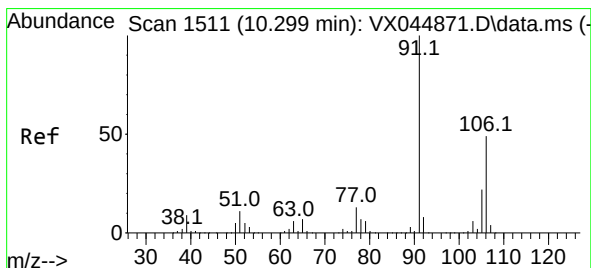
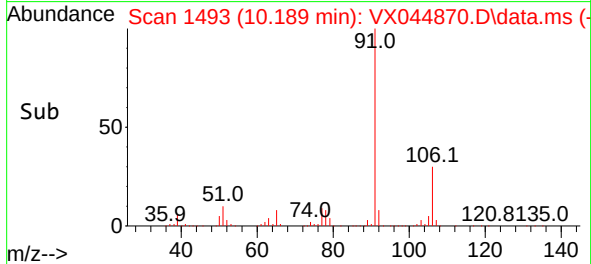
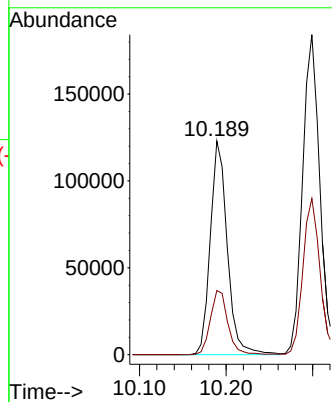
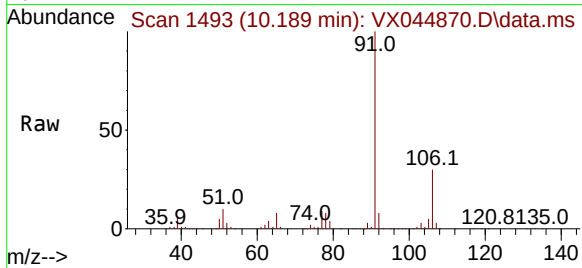




#67
Ethyl Benzene
Concen: 21.327 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

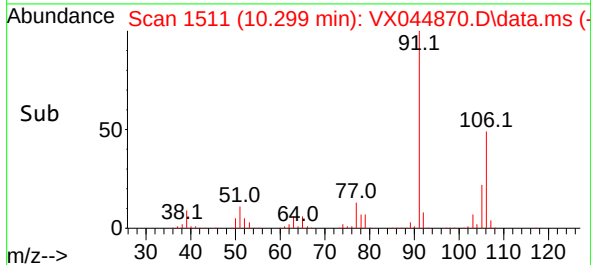
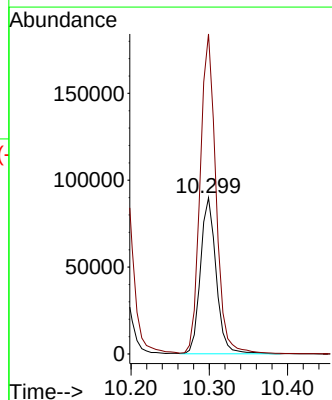
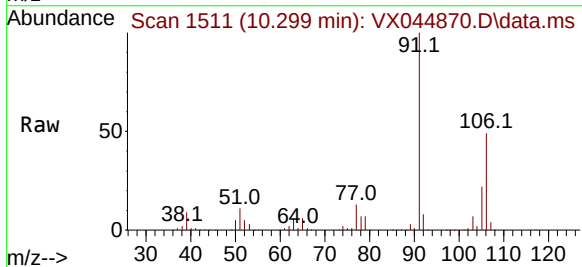
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

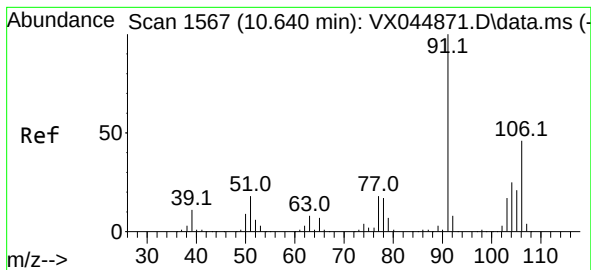
Tgt Ion: 91 Resp: 167865
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9



#68
m/p-Xylenes
Concen: 43.144 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 106 Resp: 125271
Ion Ratio Lower Upper
106 100
91 206.3 164.3 246.5

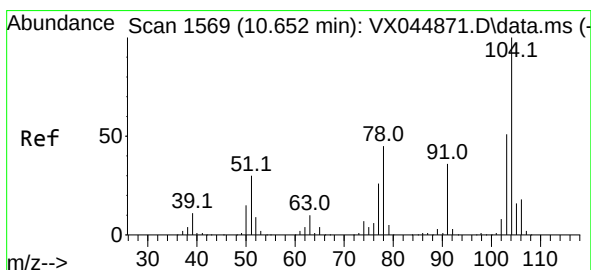
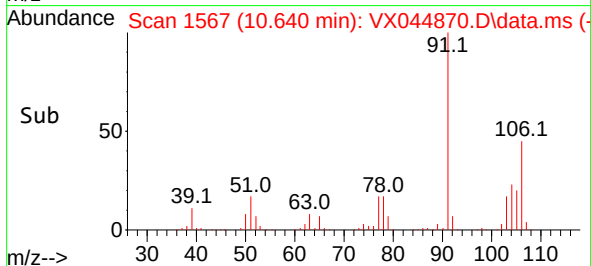
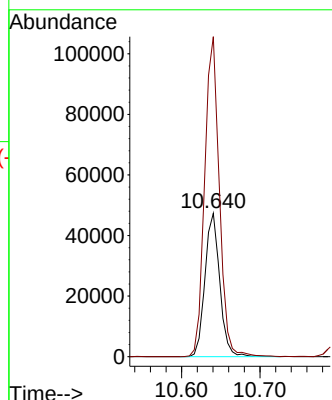
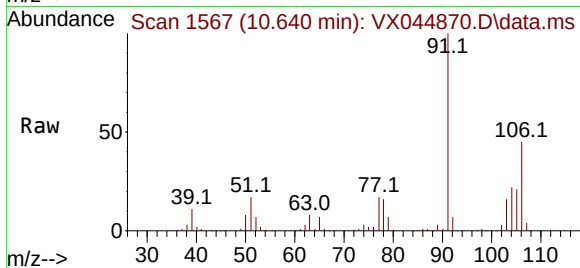




#69
o-Xylene
Concen: 21.310 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

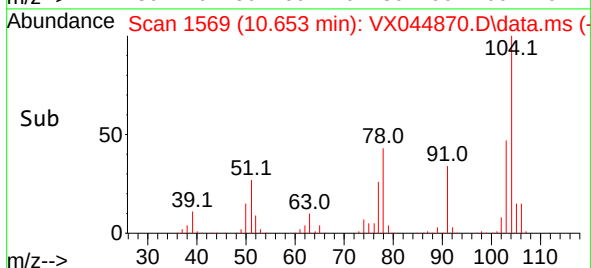
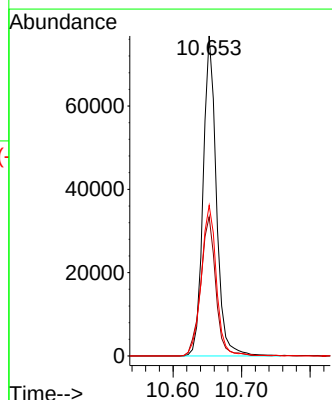
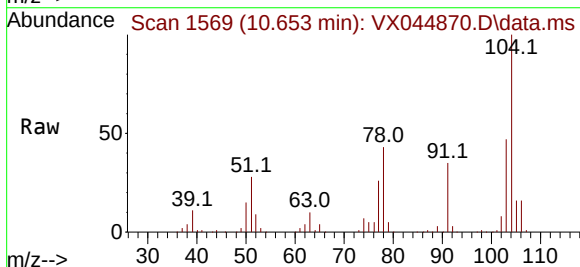
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

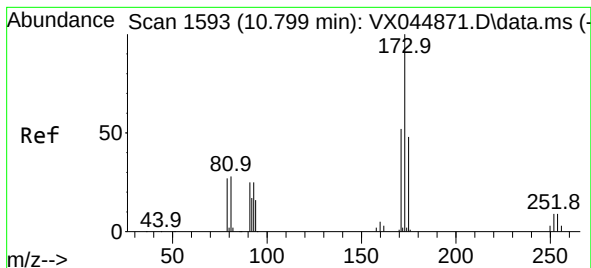
Tgt Ion:106 Resp: 62087
Ion Ratio Lower Upper
106 100
91 221.5 108.5 325.5



#70
Styrene
Concen: 22.101 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:104 Resp: 103740
Ion Ratio Lower Upper
104 100
78 49.2 40.5 60.7
103 53.5 43.6 65.4





#71

Bromoform

Concen: 21.086 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

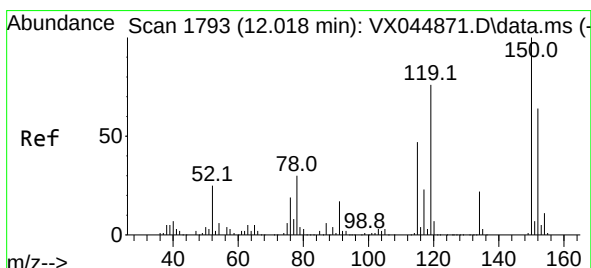
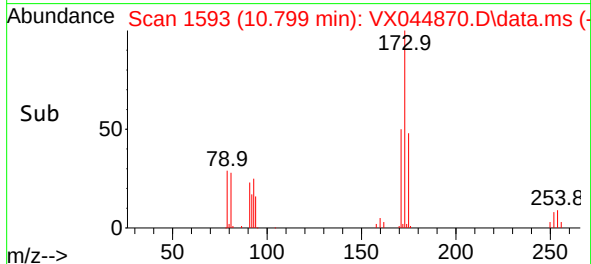
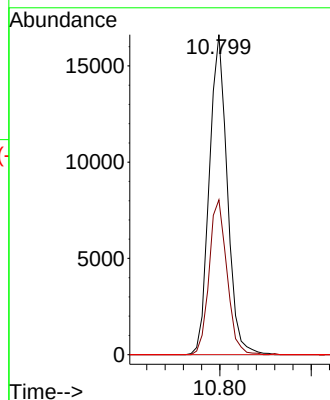
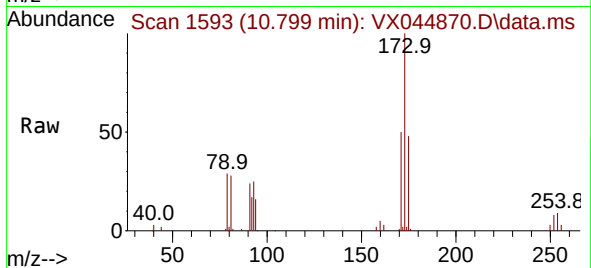
Tgt Ion:173 Resp: 22592

Ion Ratio Lower Upper

173 100

175 48.0 24.3 72.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

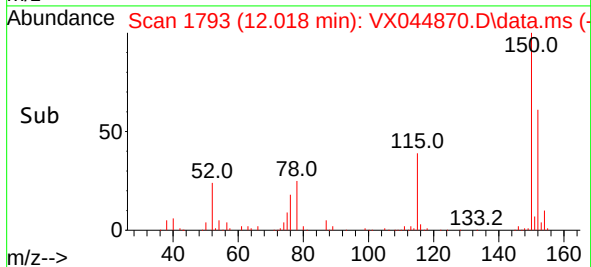
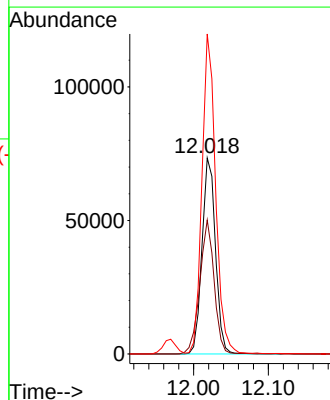
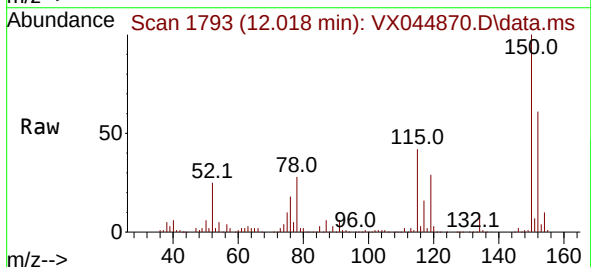
Tgt Ion:152 Resp: 92093

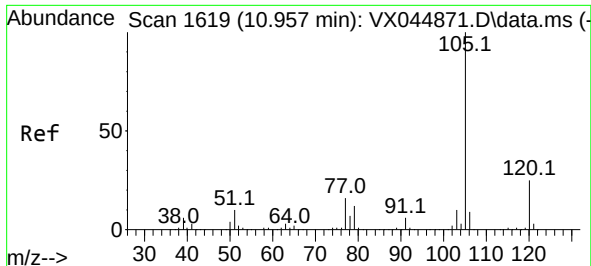
Ion Ratio Lower Upper

152 100

115 72.4 43.4 130.1

150 164.8 0.0 350.4

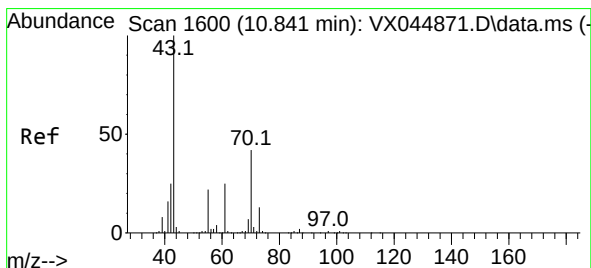
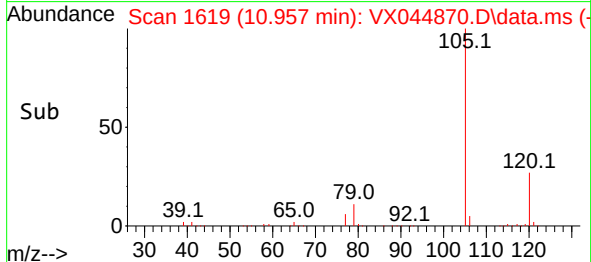
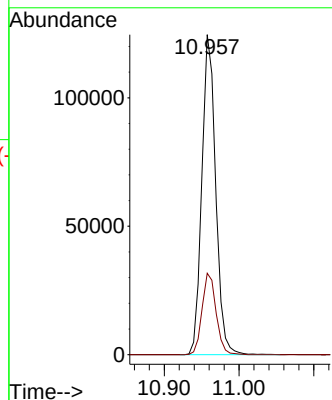
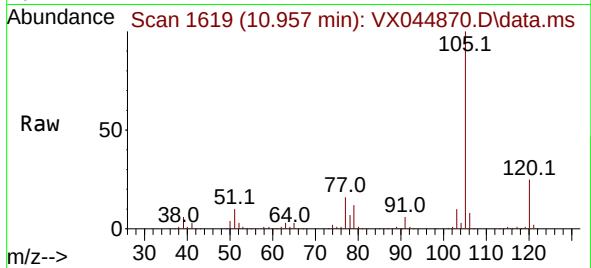




#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

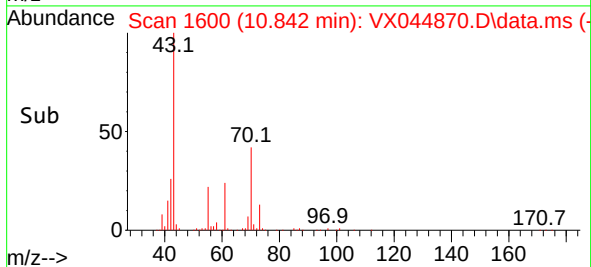
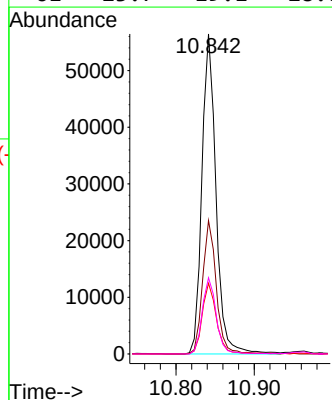
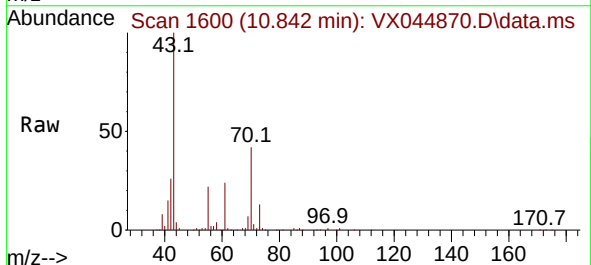
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

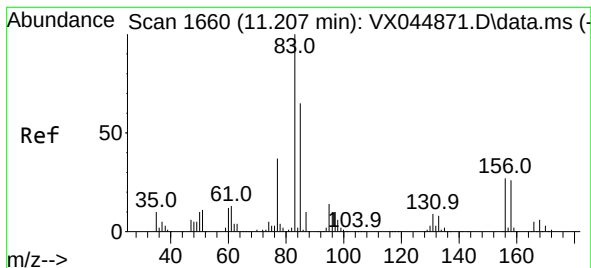
Tgt Ion:105 Resp: 160147
Ion Ratio Lower Upper
105 100
120 25.7 13.2 39.5



#74
N-ethyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542
Ion Ratio Lower Upper
43 100
70 40.7 33.7 50.5
55 22.4 18.6 27.8
61 23.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.787 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

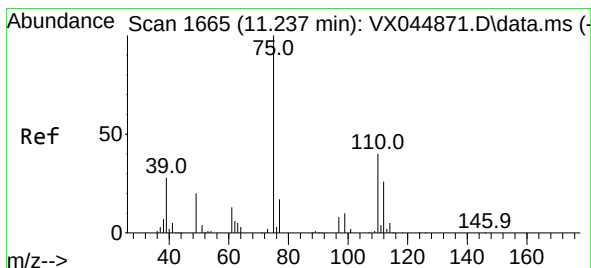
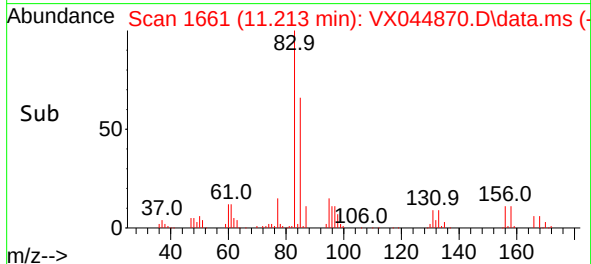
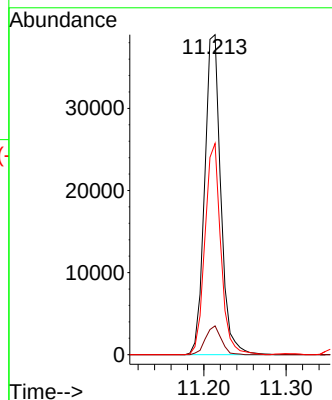
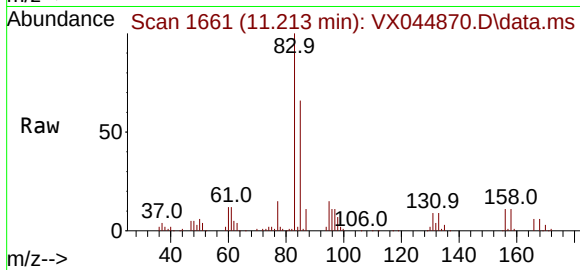
Tgt Ion: 83 Resp: 52967

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

85 65.1 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 27.246 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044870.D

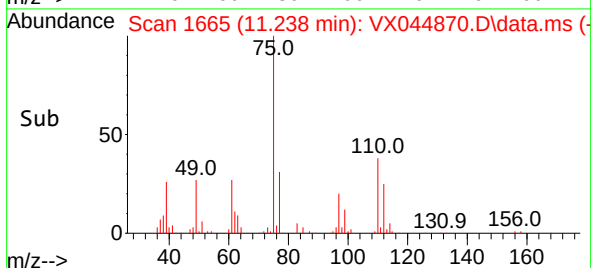
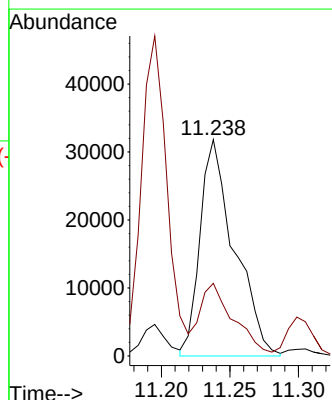
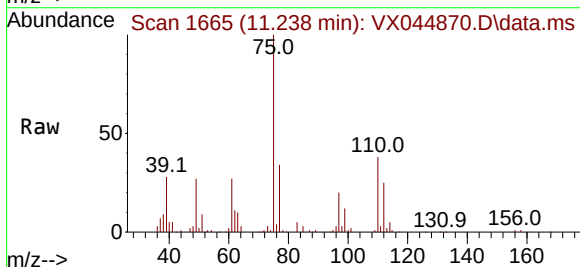
Acq: 10 Feb 2025 11:11

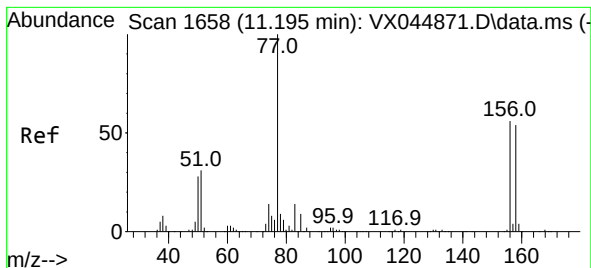
Tgt Ion: 75 Resp: 55632

Ion Ratio Lower Upper

75 100

77 33.0 21.9 65.7





#77

Bromobenzene

Concen: 21.426 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

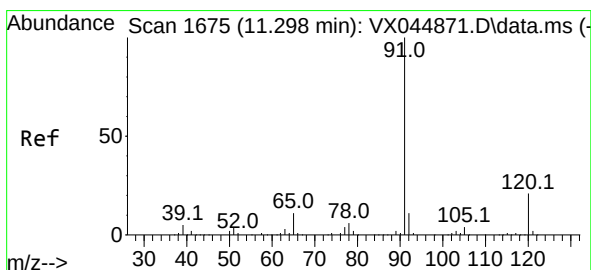
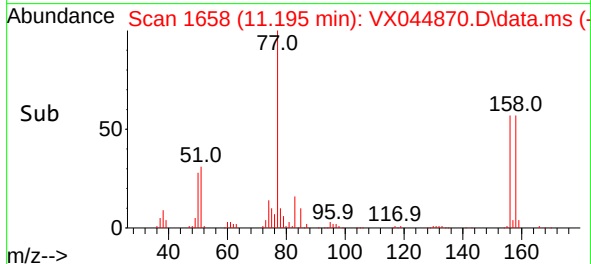
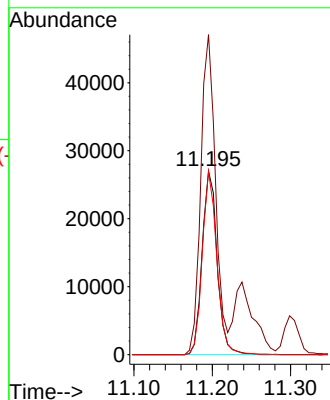
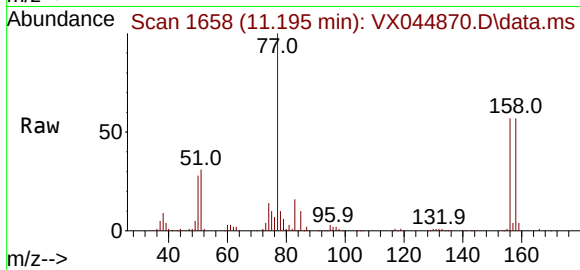
Tgt Ion:156 Resp: 36021

Ion Ratio Lower Upper

156 100

77 171.1 88.4 265.3

158 96.8 48.4 145.2



#78

n-propylbenzene

Concen: 21.406 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044870.D

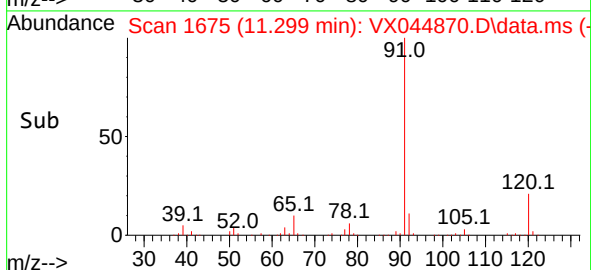
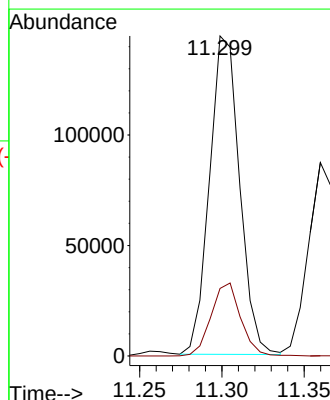
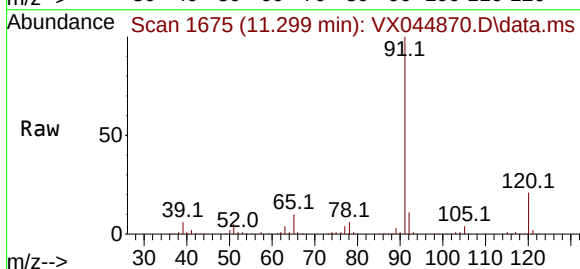
Acq: 10 Feb 2025 11:11

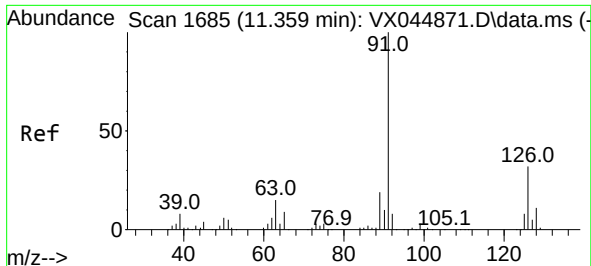
Tgt Ion: 91 Resp: 183212

Ion Ratio Lower Upper

91 100

120 22.6 11.1 33.3

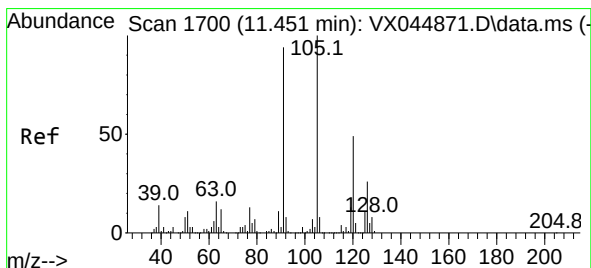
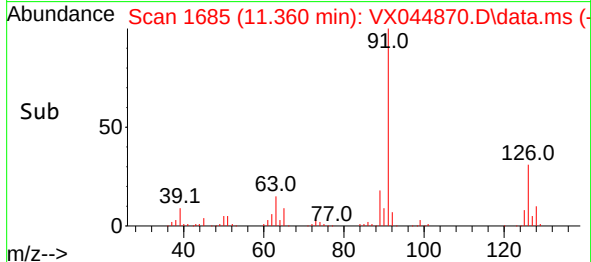
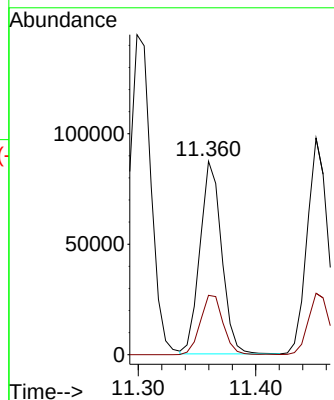
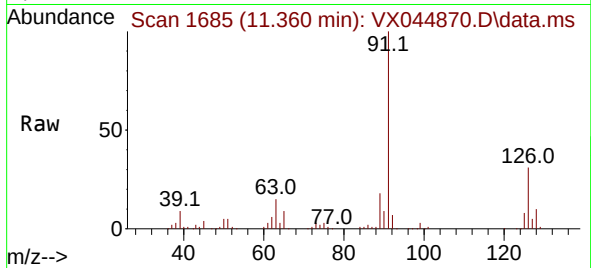




#79
2-Chlorotoluene
Concen: 21.250 ug/l
RT: 11.360 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

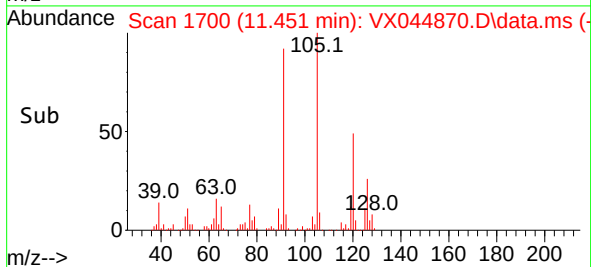
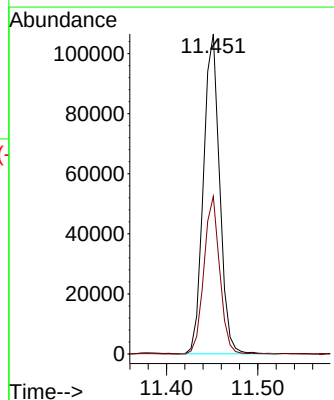
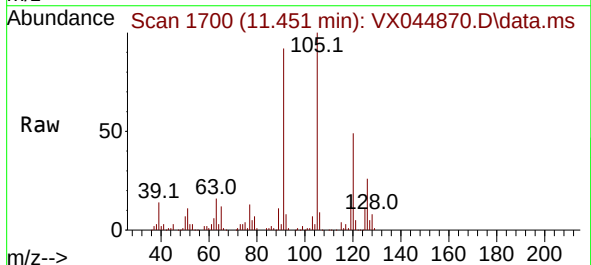
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

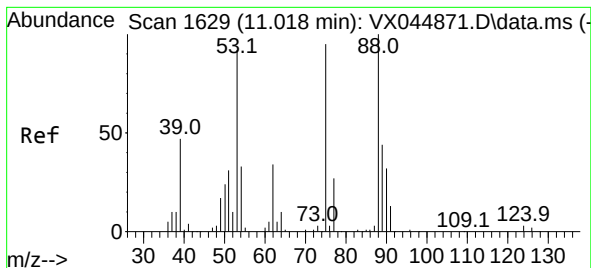
Tgt Ion: 91 Resp: 111782
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 21.691 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 105 Resp: 130526
Ion Ratio Lower Upper
105 100
120 48.1 24.0 72.0

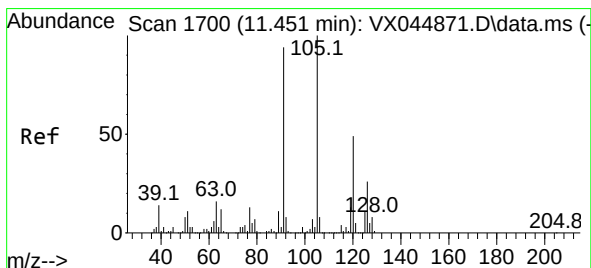
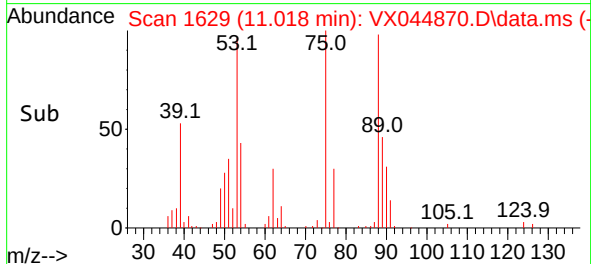
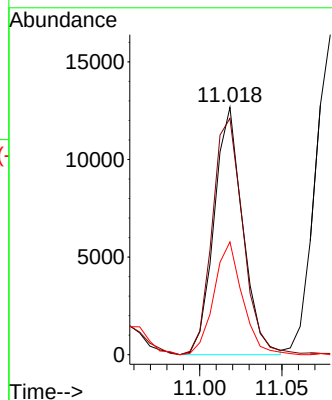
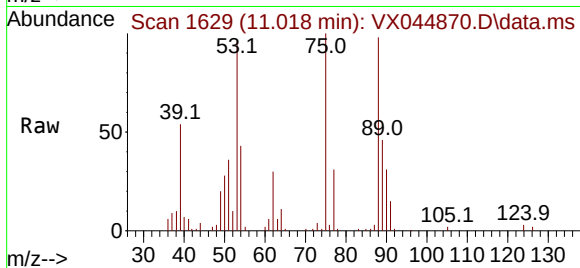




#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

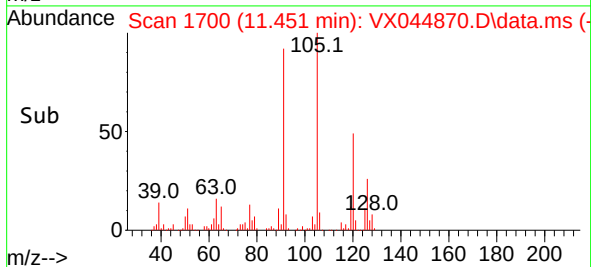
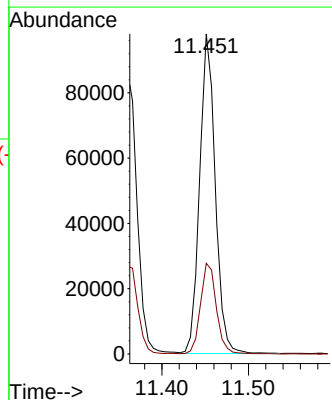
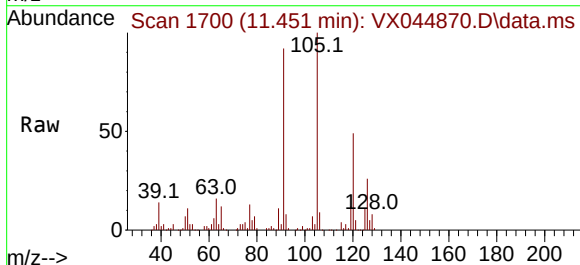
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

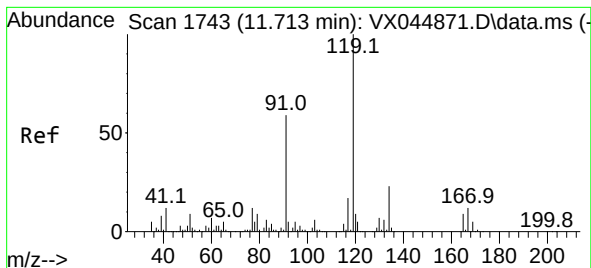
Tgt Ion: 75 Resp: 15375
Ion Ratio Lower Upper
75 100
53 103.3 78.0 117.0
89 45.3 36.6 54.8



#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6

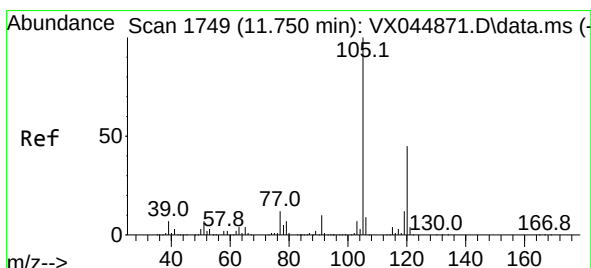
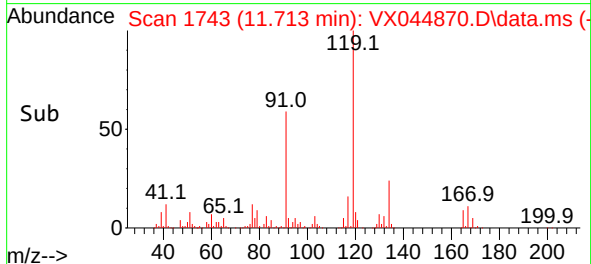
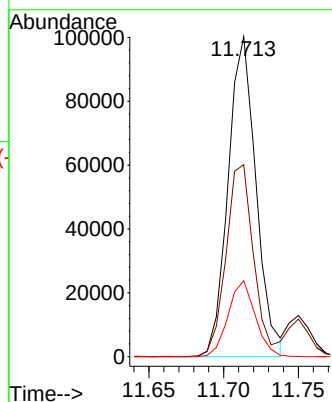
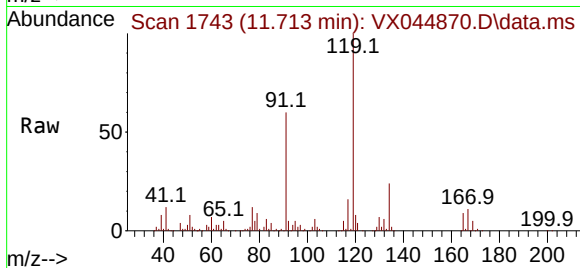




#83
 tert-Butylbenzene
 Concen: 21.414 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

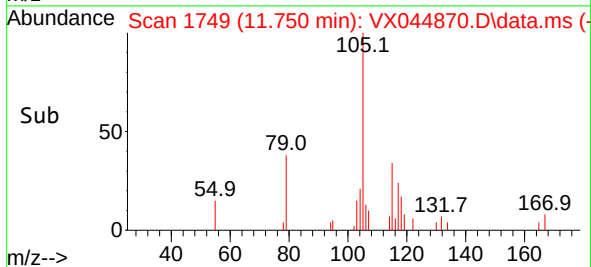
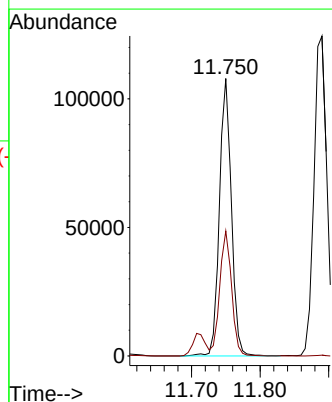
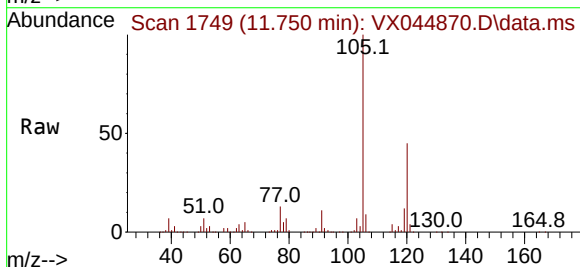
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

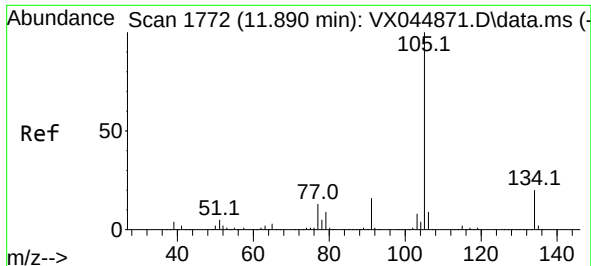
Tgt Ion:119 Resp: 130358
 Ion Ratio Lower Upper
 119 100
 91 58.6 29.1 87.4
 134 23.1 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.924 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion:105 Resp: 130211
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0

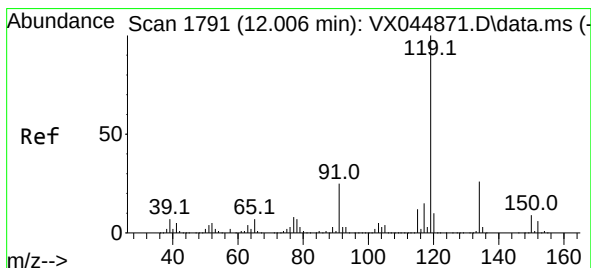
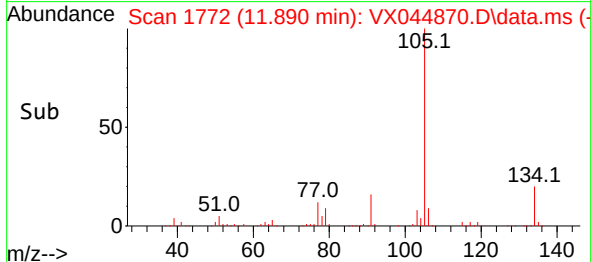
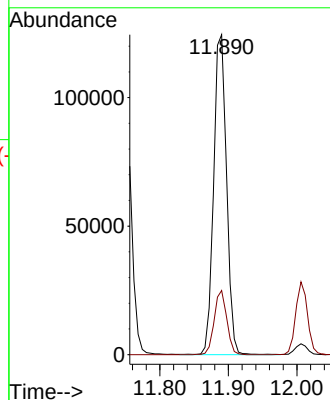
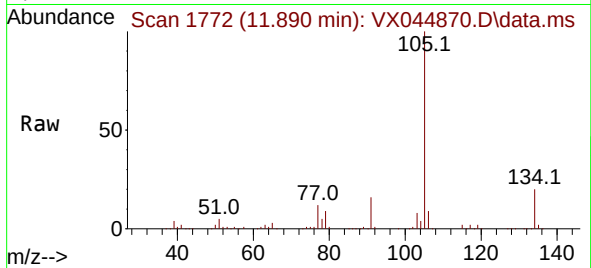




#85
 sec-Butylbenzene
 Concen: 21.607 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

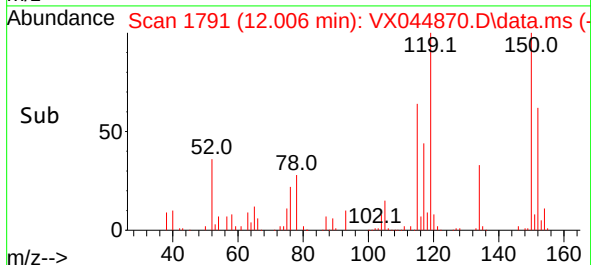
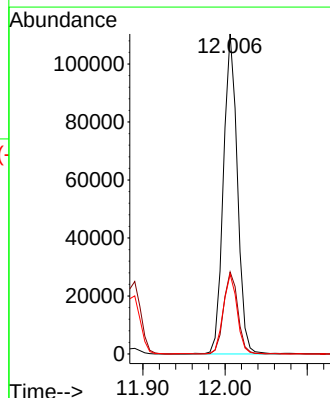
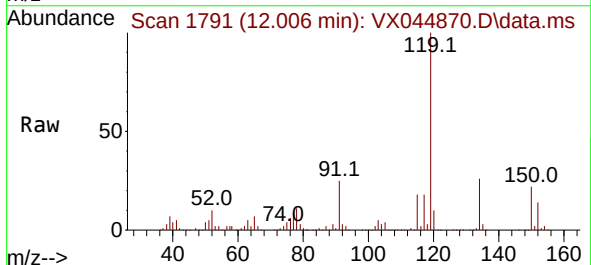
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

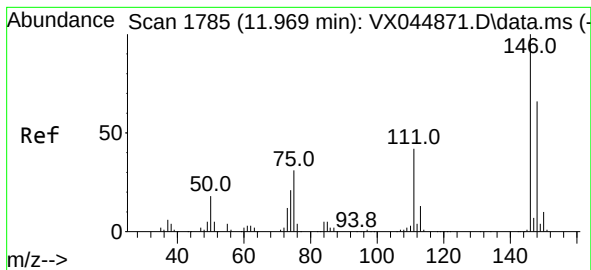
Tgt Ion:105 Resp: 162875
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 21.551 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion:119 Resp: 130643
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 24.7 12.1 36.3

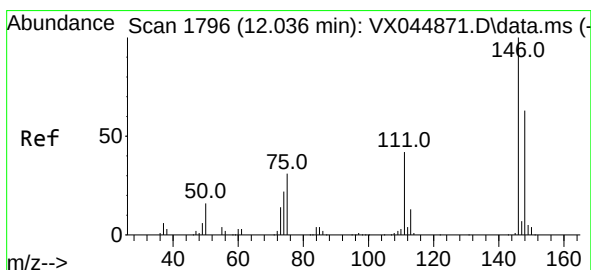
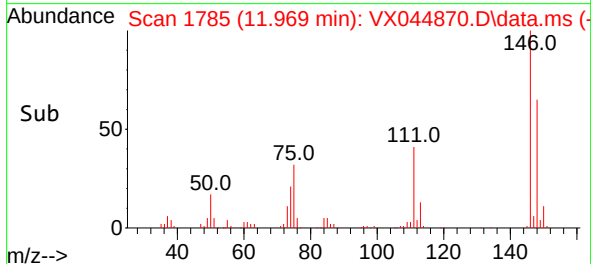
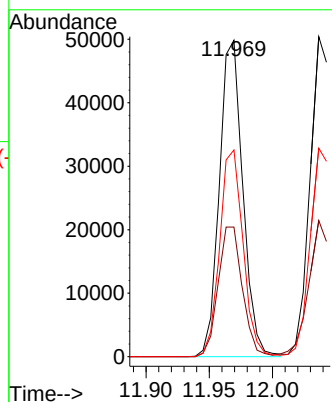
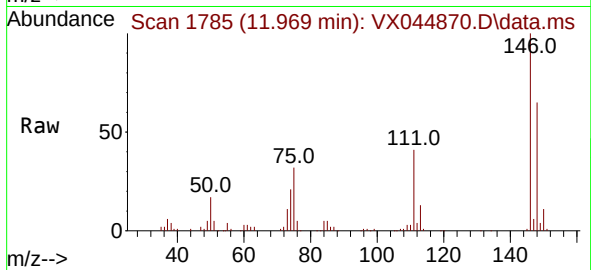




#87
1,3-Dichlorobenzene
Concen: 20.747 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

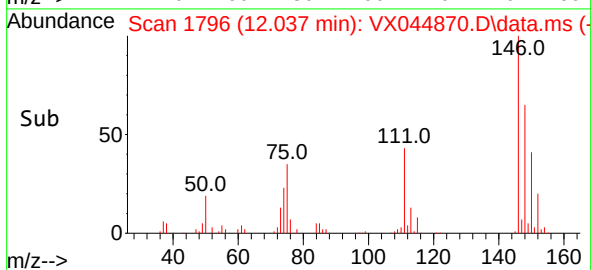
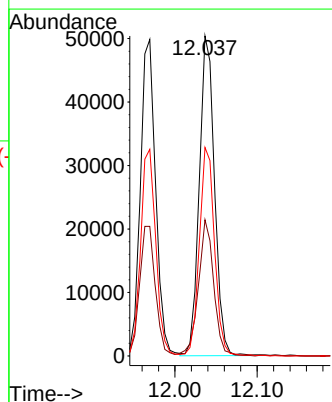
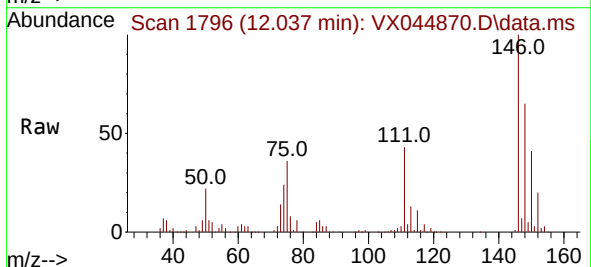
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

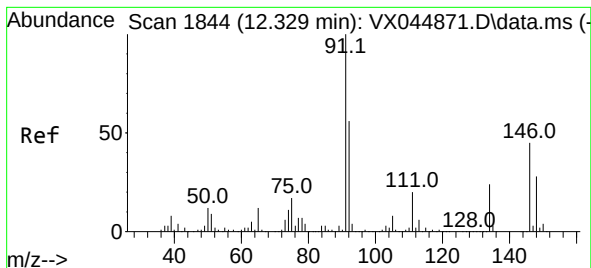
Tgt Ion:146 Resp: 64141
Ion Ratio Lower Upper
146 100
111 42.4 21.2 63.6
148 65.2 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 20.758 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 64889
Ion Ratio Lower Upper
146 100
111 42.9 20.4 61.3
148 65.3 32.0 96.0





#89

n-Butylbenzene

Concen: 21.202 ug/l

RT: 12.329 min Scan# 113705

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

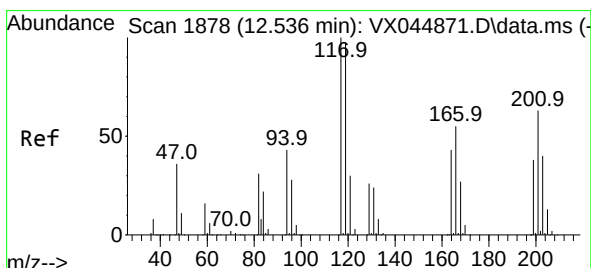
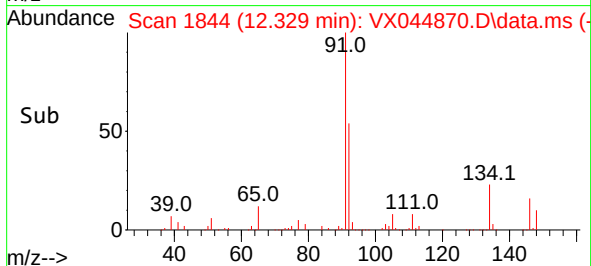
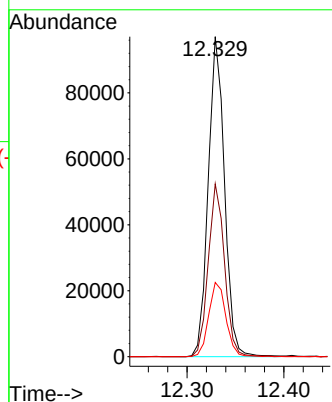
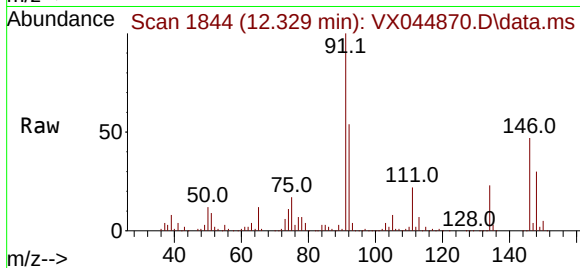
Tgt Ion: 91 Resp: 113705

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.6

134 24.7 12.1 36.3



#90

Hexachloroethane

Concen: 20.398 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044870.D

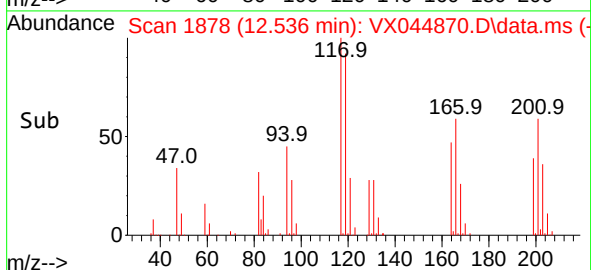
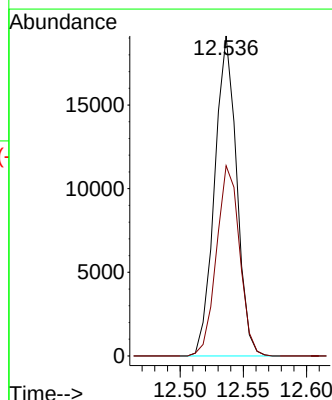
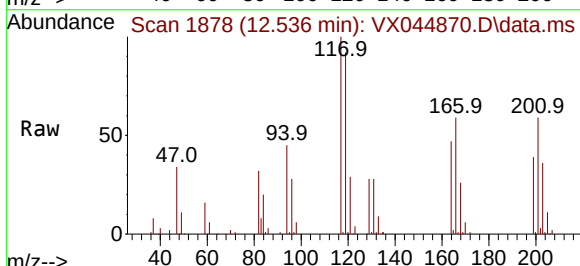
Acq: 10 Feb 2025 11:11

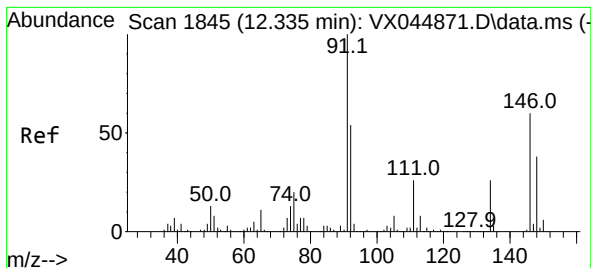
Tgt Ion: 117 Resp: 23153

Ion Ratio Lower Upper

117 100

201 62.4 32.5 97.5

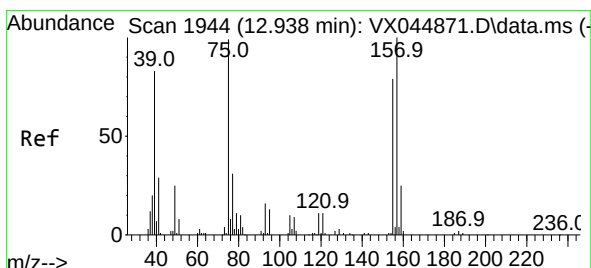
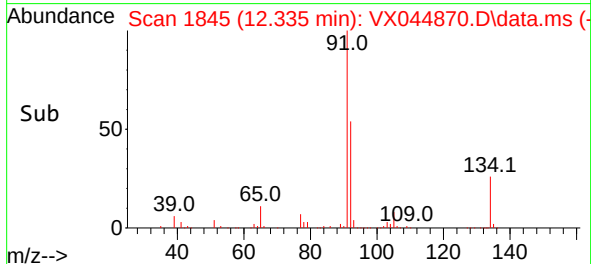
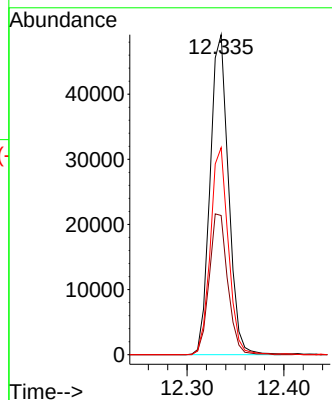
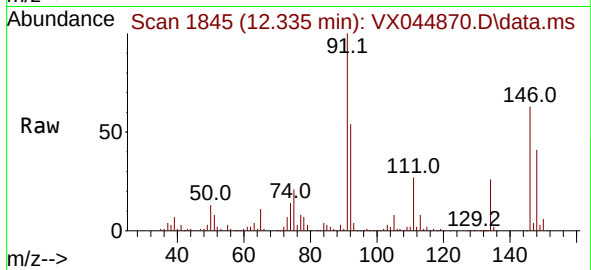




#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

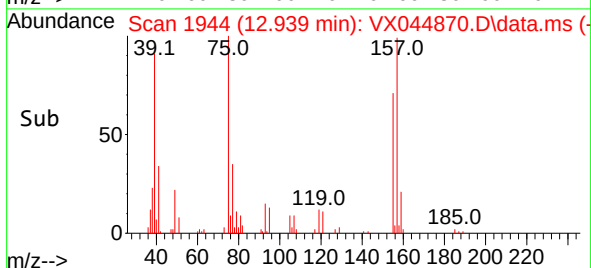
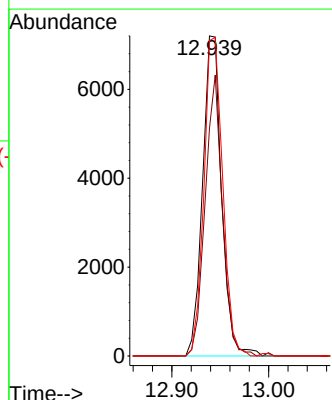
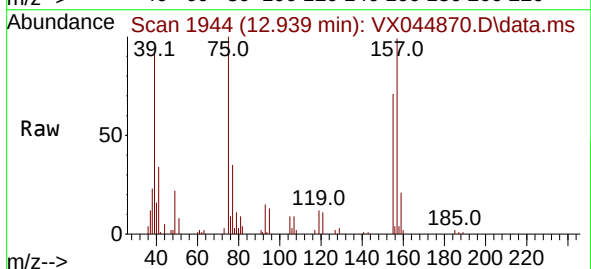
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

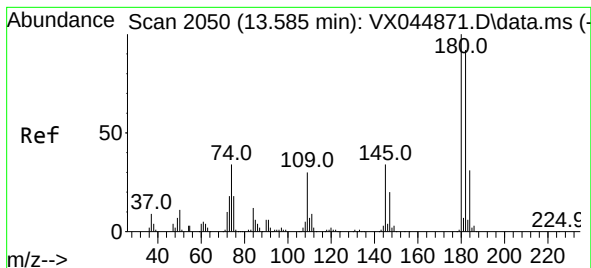
Tgt Ion:146 Resp: 64940
Ion Ratio Lower Upper
146 100
111 44.4 21.8 65.4
148 63.3 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 9873
Ion Ratio Lower Upper
75 100
155 79.8 40.5 121.4
157 98.3 51.4 154.3

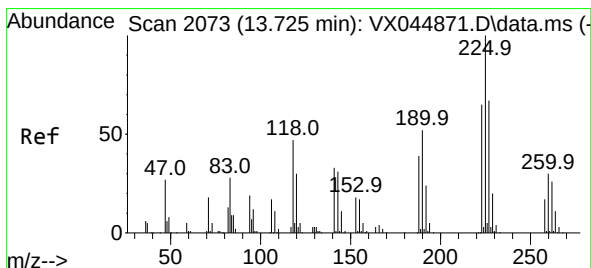
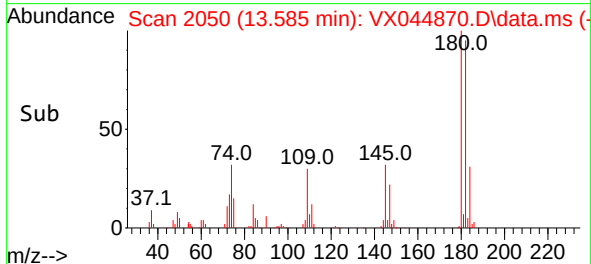
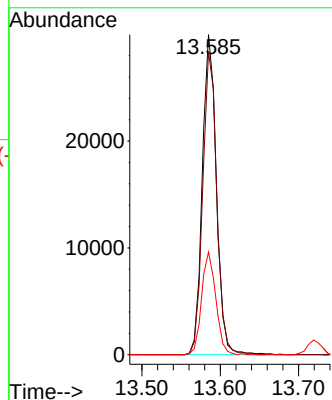
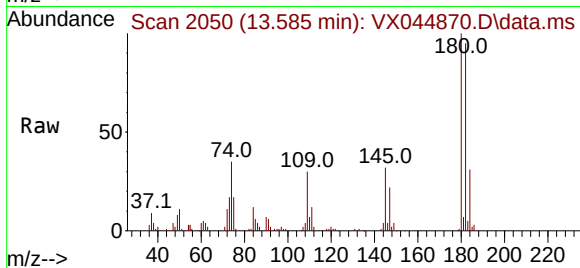




#93
1,2,4-Trichlorobenzene
Concen: 20.292 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

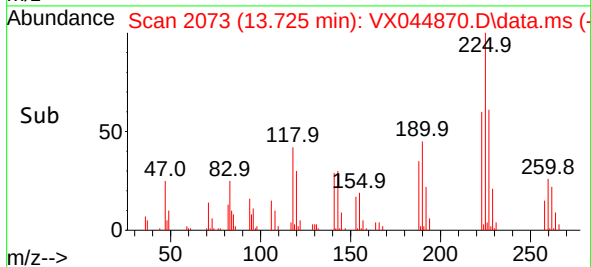
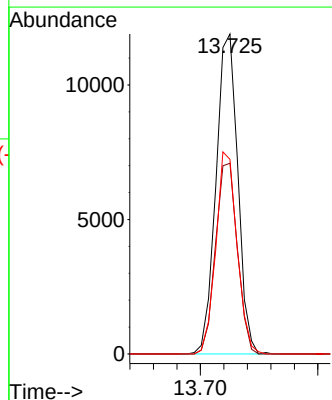
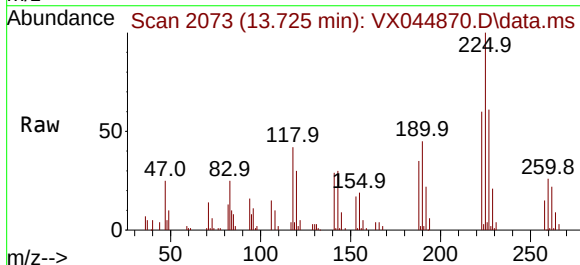
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

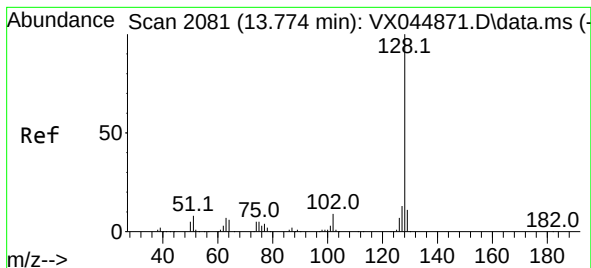
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.8
145	32.4	16.4	49.1



#94
Hexachlorobutadiene
Concen: 20.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.4	94.2
227	61.4	32.3	96.8





#95

Naphthalene

Concen: 21.502 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

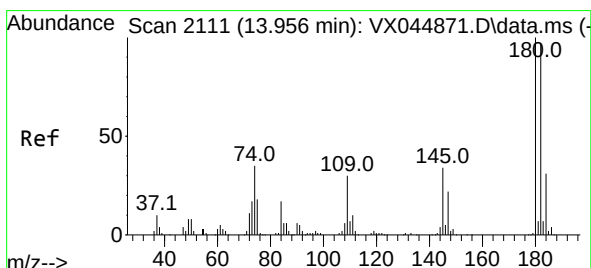
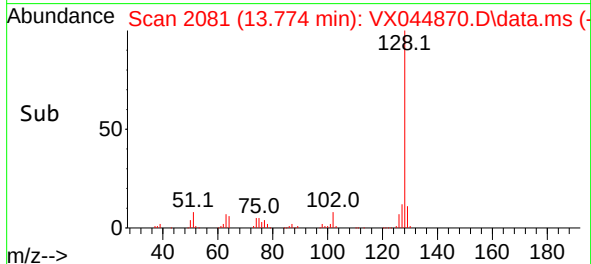
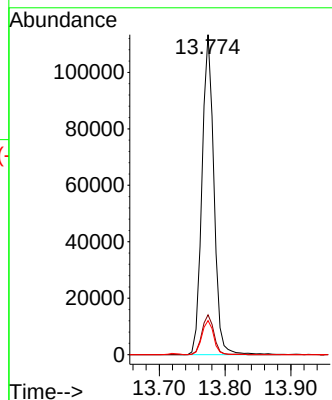
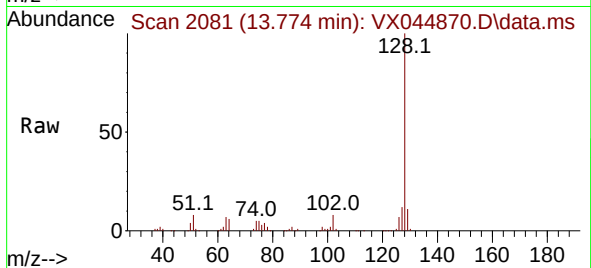
Tgt Ion:128 Resp: 142902

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.6 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 20.722 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

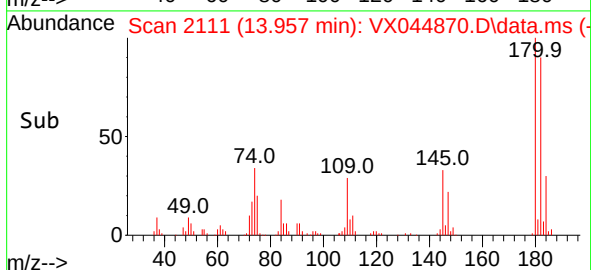
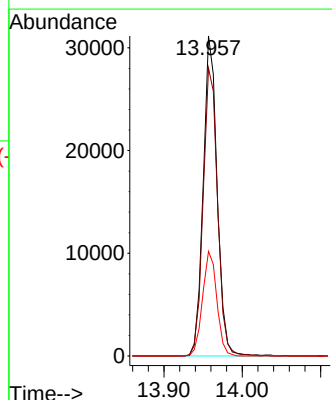
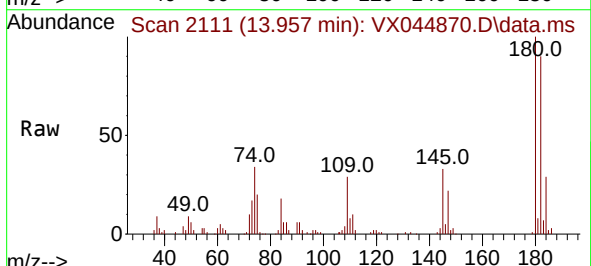
Tgt Ion:180 Resp: 38389

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.6

145 33.5 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.780%
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l	100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l	100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l	100
44) Trichloroethene	7.122	130	78274	50.020	ug/l	100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l	100
46) Dibromomethane	7.573	93	59625	50.479	ug/l	100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l	100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l	100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l	100
52) Toluene	8.714	92	210007	51.507	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l	100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l	100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l	100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l	100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l	100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l	100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l	100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l	100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l	100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l	100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l	100
69) o-Xylene	10.640	106	144802	50.409	ug/l	100
70) Styrene	10.652	104	245518	53.051	ug/l	100
71) Bromoform	10.799	173	57417	54.352	ug/l #	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l	100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	136881	66.637	ug/l	83
77) Bromobenzene	11.195	156	84448	49.931	ug/l	100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l	100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l	100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l	100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l	100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l	100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l	100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l	100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l	100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l	100
95) Naphthalene	13.774	128	347645	51.995	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

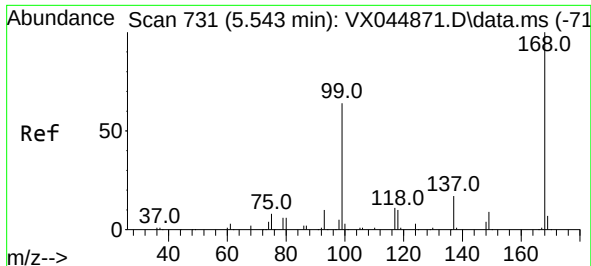
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

- 1
- 2
- 3
- 4
- 5
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- 1
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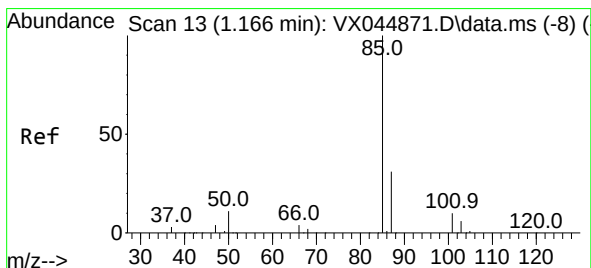
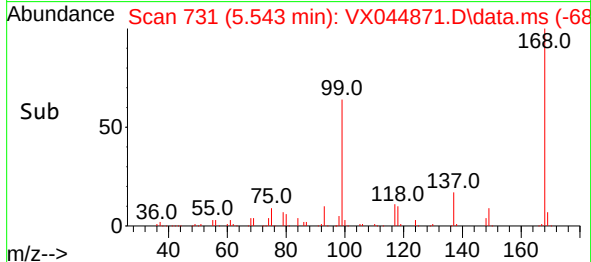
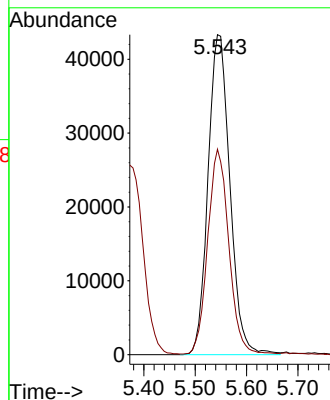
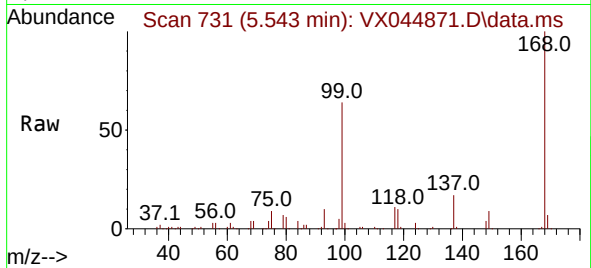




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

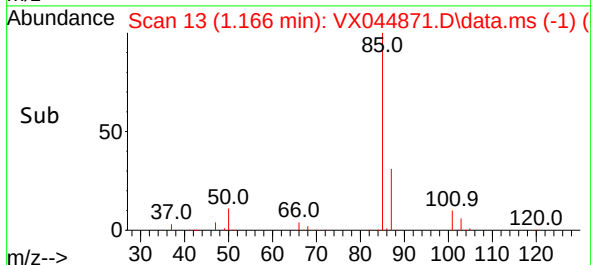
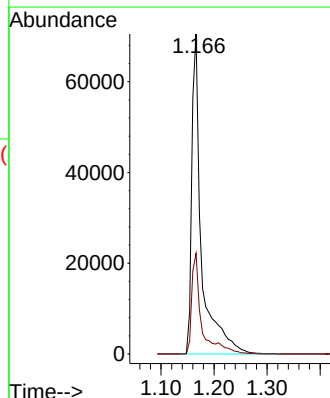
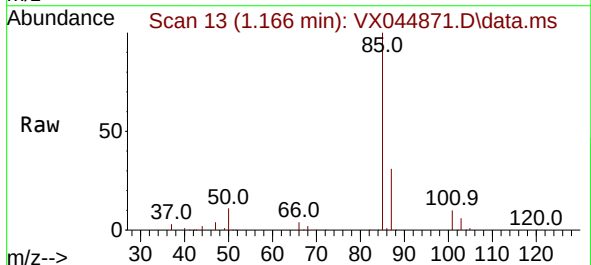
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

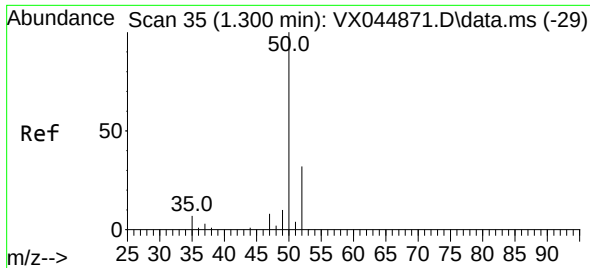
Tgt Ion:168 Resp: 127984
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3

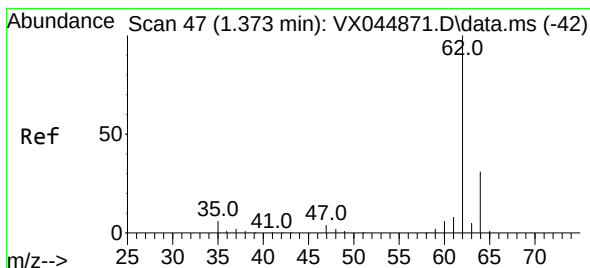
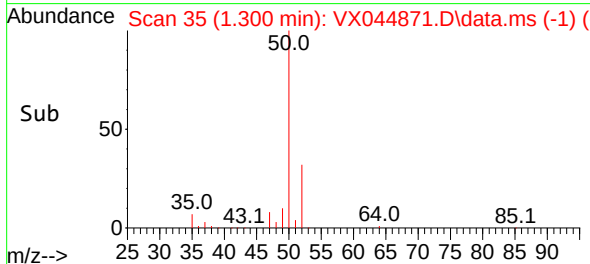
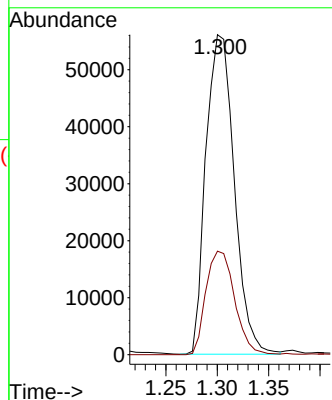
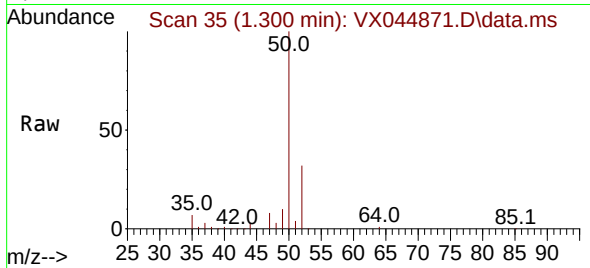




#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

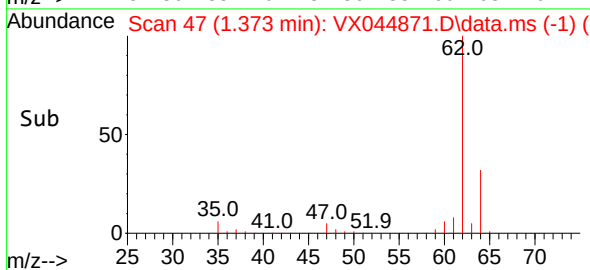
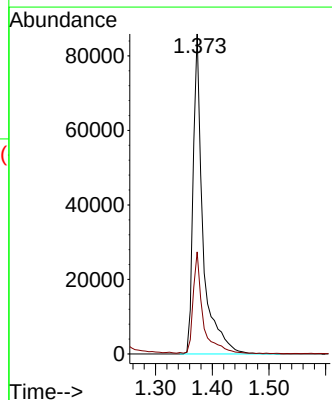
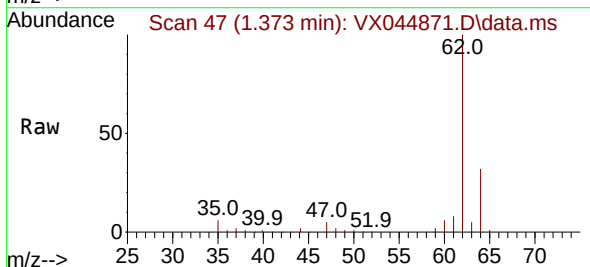
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

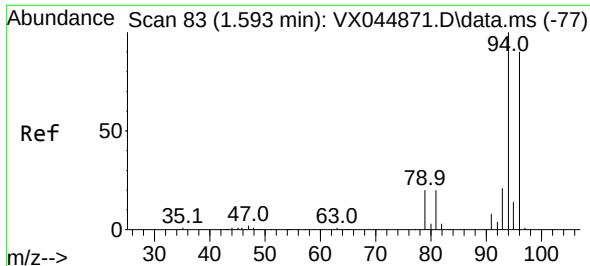
Tgt Ion: 50 Resp: 107836
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9



#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

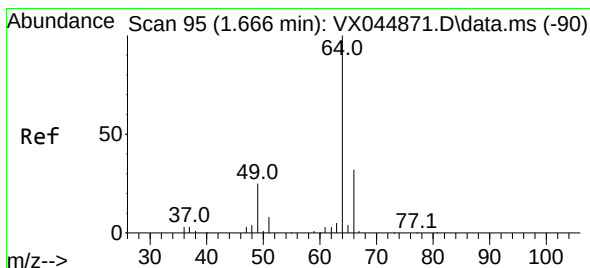
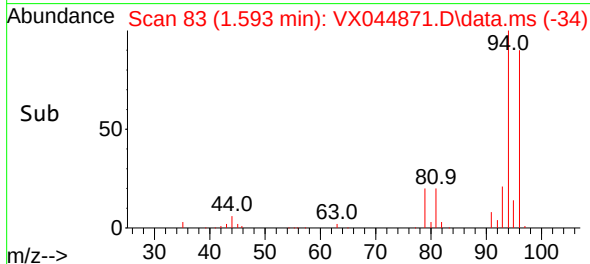
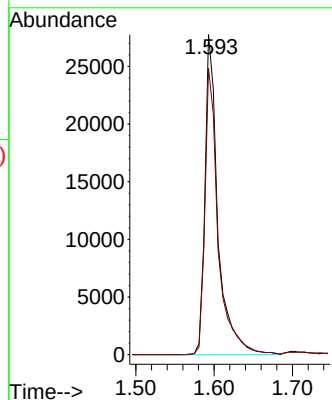
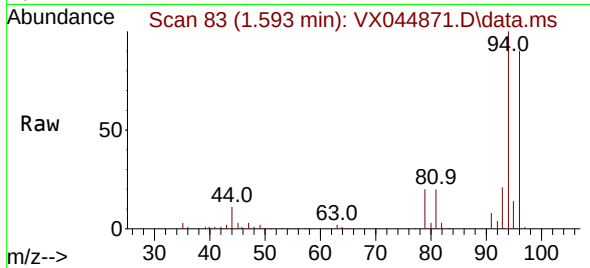




#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

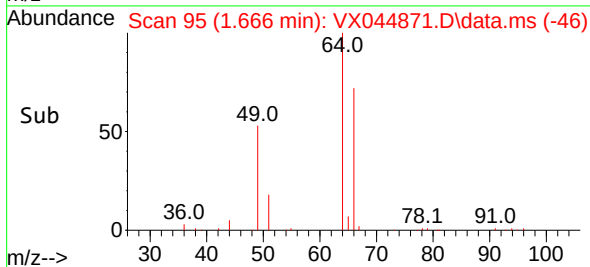
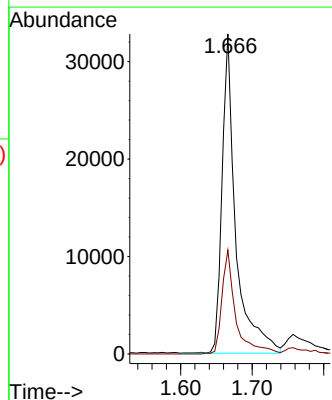
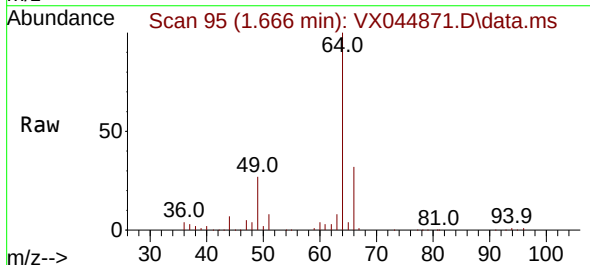
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

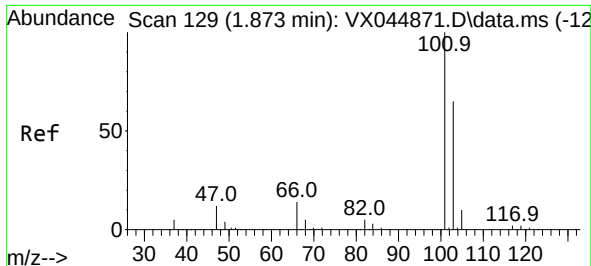
Tgt Ion: 94 Resp: 31886
Ion Ratio Lower Upper
94 100
96 89.5 71.6 107.4



#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 64 Resp: 43657
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9

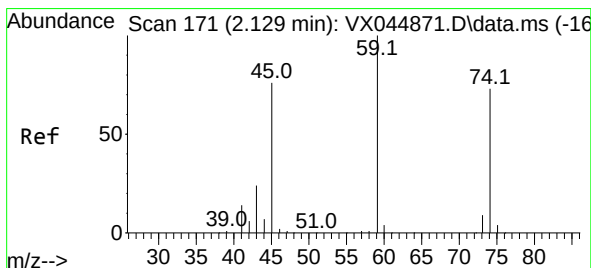
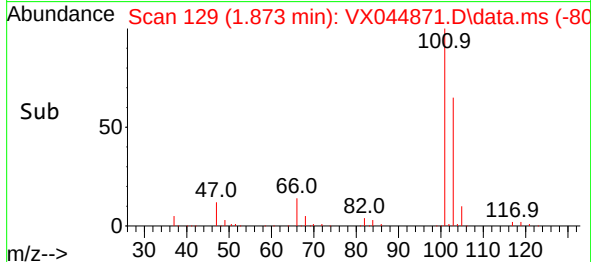
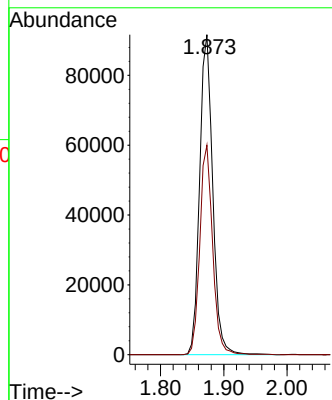
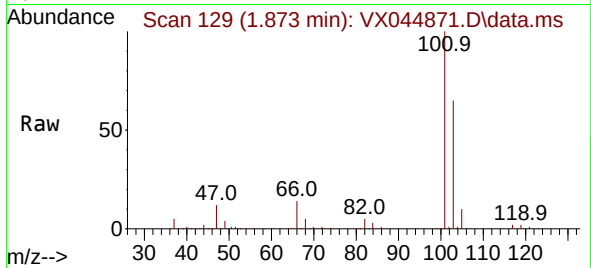




#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

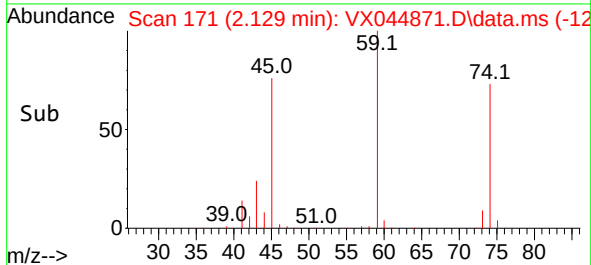
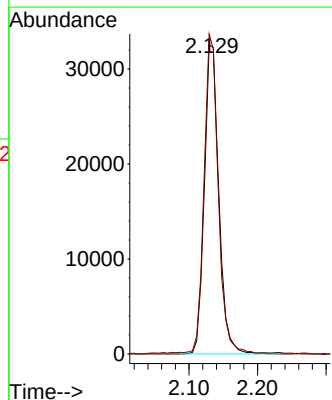
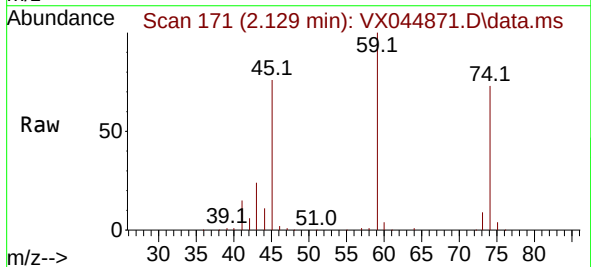
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

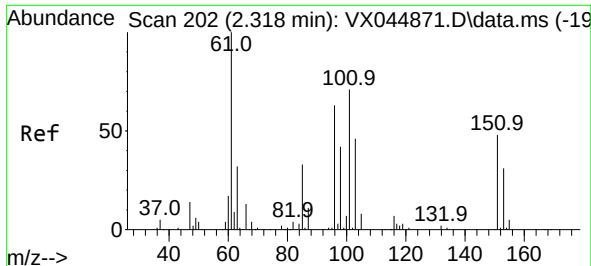
Tgt Ion:101 Resp: 131729
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6



#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 74 Resp: 48023
Ion Ratio Lower Upper
74 100
45 102.3 51.1 153.4

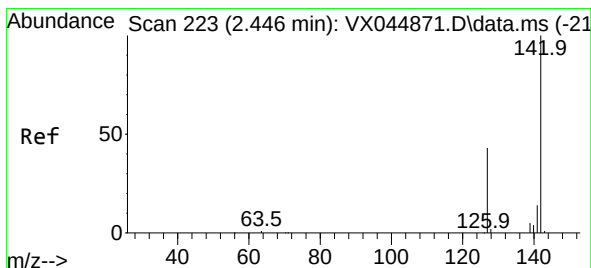
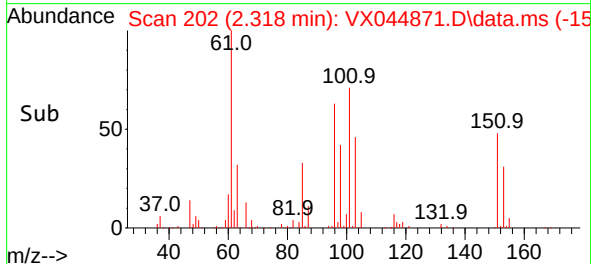
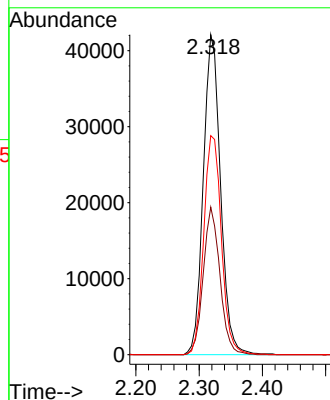
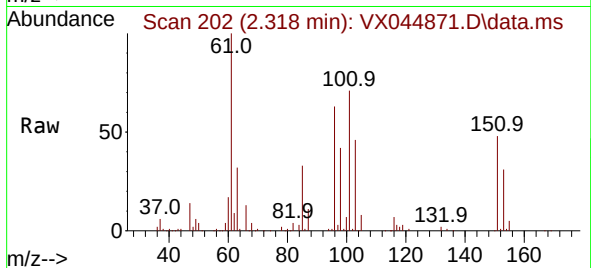




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.511 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

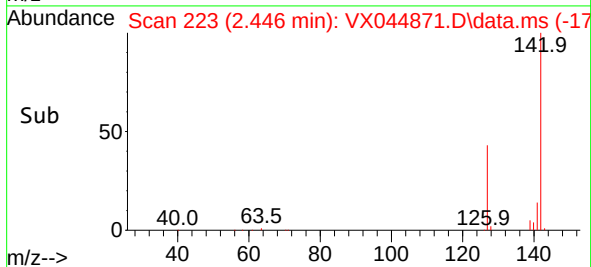
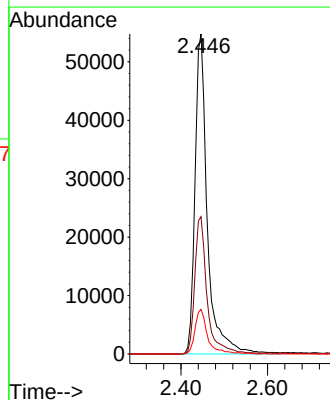
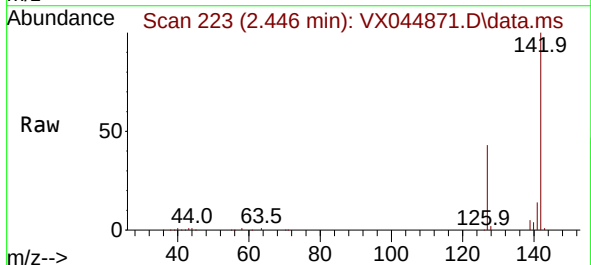
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

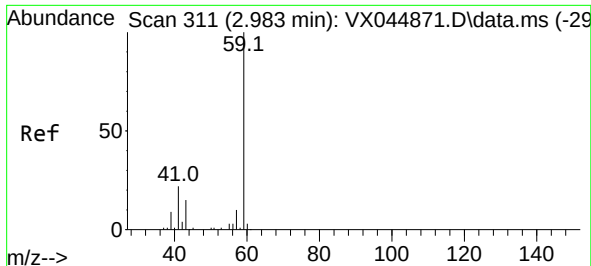
Tgt Ion:101 Resp: 80068
Ion Ratio Lower Upper
101 100
85 44.6 35.7 53.5
151 70.0 56.0 84.0



#10
Methyl Iodide
Concen: 51.712 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 108383
Ion Ratio Lower Upper
142 100
127 42.9 34.3 51.5
141 14.3 11.4 17.2

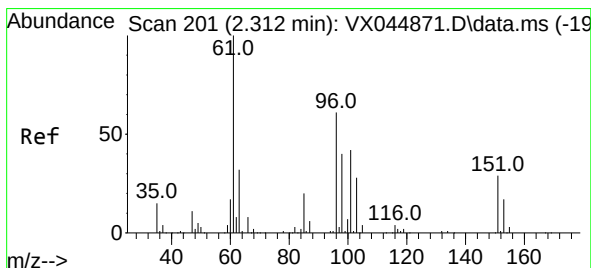
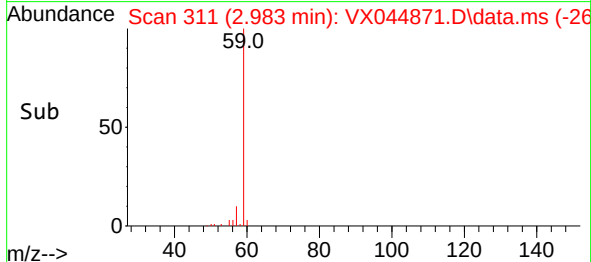
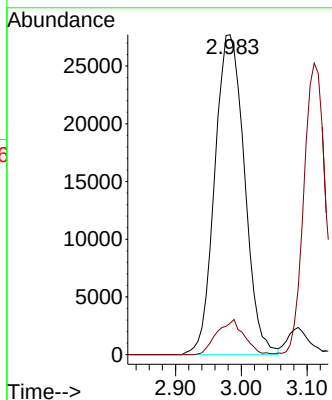
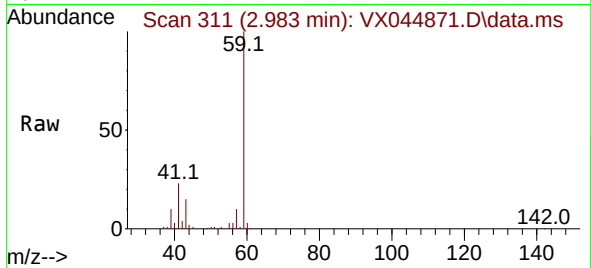




#11
Tert butyl alcohol
Concen: 251.049 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

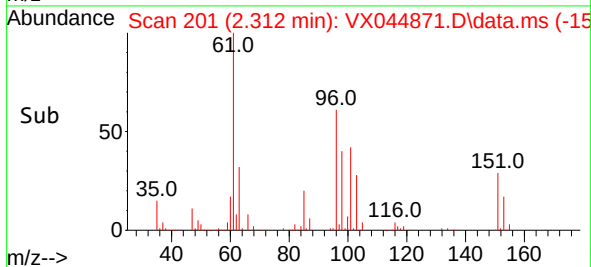
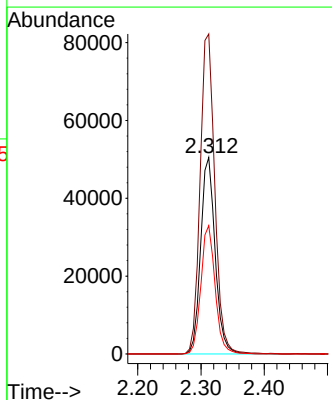
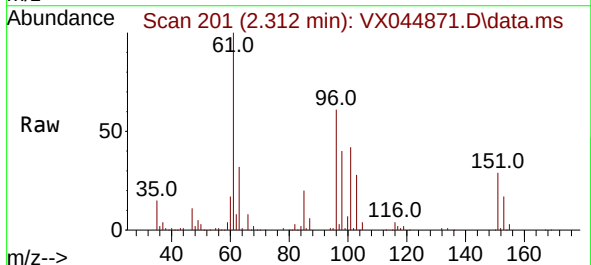
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

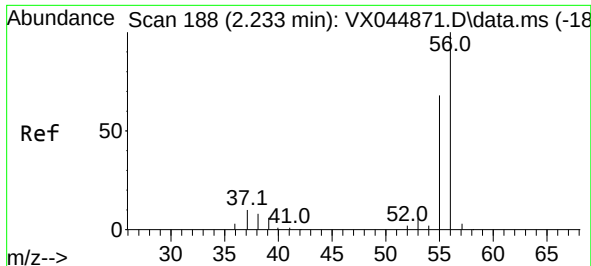
Tgt Ion: 59 Resp: 87254
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#12
1,1-Dichloroethene
Concen: 48.904 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 80672
Ion Ratio Lower Upper
96 100
61 162.8 130.2 195.4
98 65.3 52.2 78.4

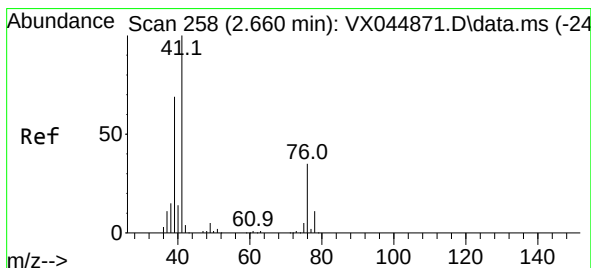
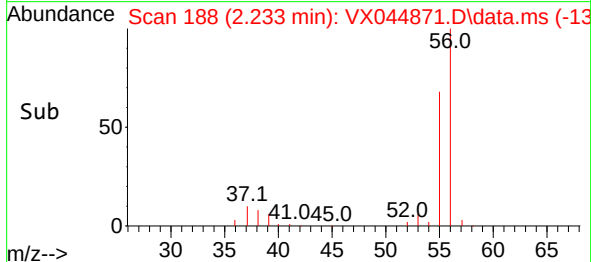
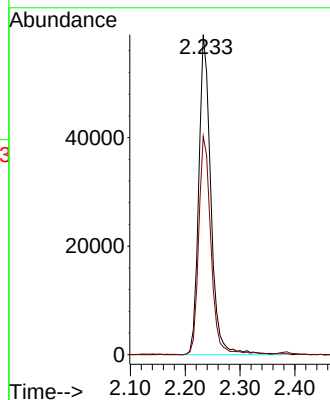
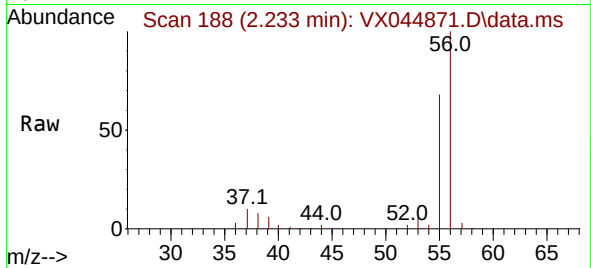




#13
Acrolein
Concen: 252.426 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

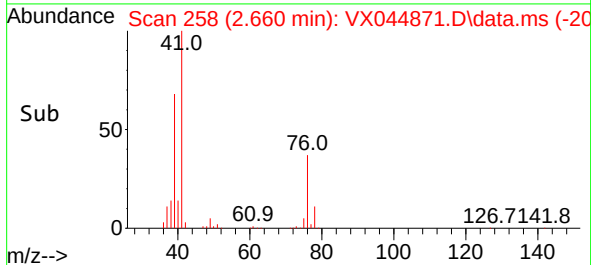
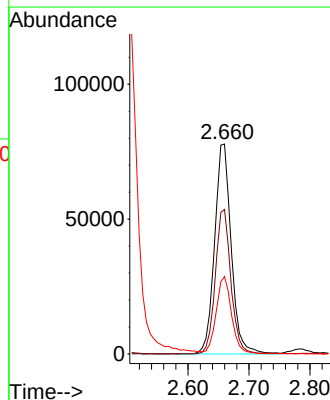
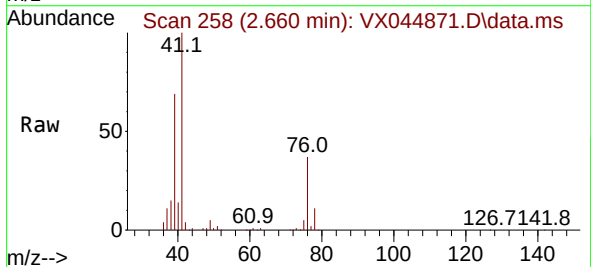
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

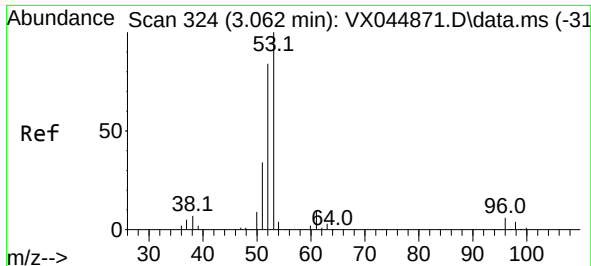
Tgt Ion: 56 Resp: 90518
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5



#14
Allyl chloride
Concen: 49.658 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 148044
Ion Ratio Lower Upper
41 100
39 64.3 51.4 77.2
76 33.7 27.0 40.4

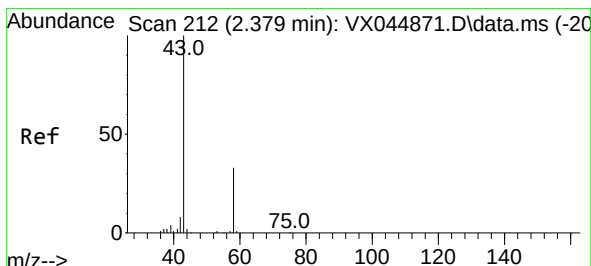
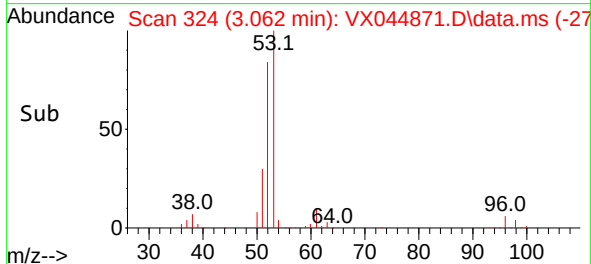
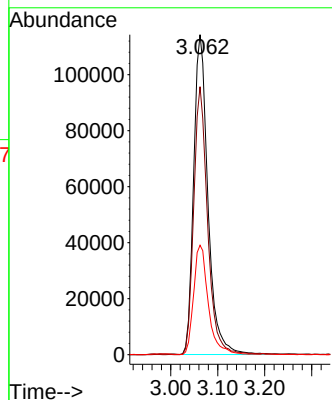
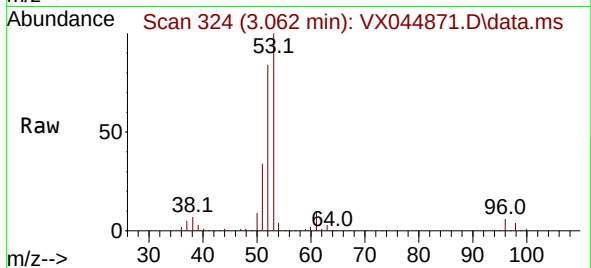




#15
Acrylonitrile
Concen: 261.074 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

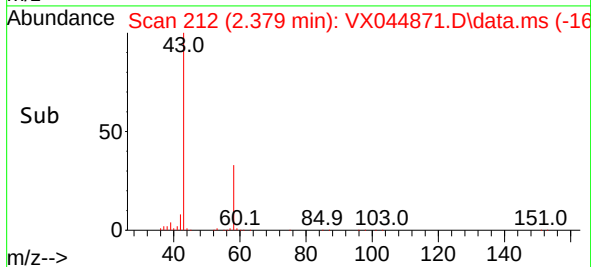
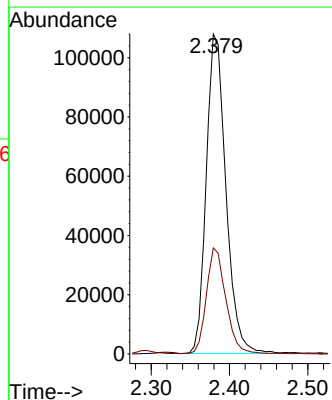
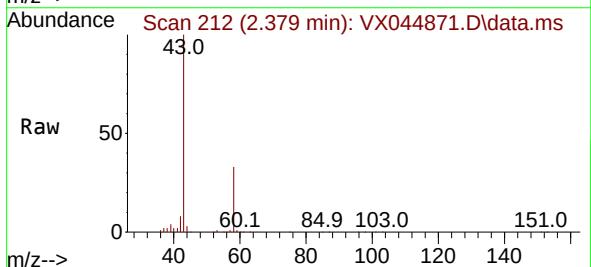
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

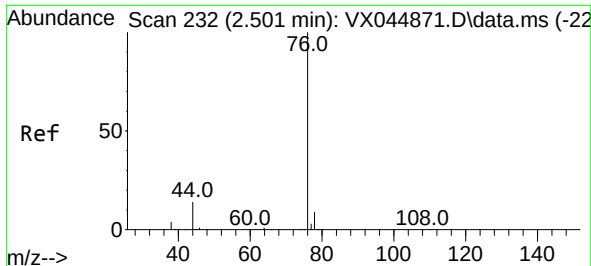
Tgt Ion:	53	Resp:	242268
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0



#16
Acetone
Concen: 249.274 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:	43	Resp:	187739
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7

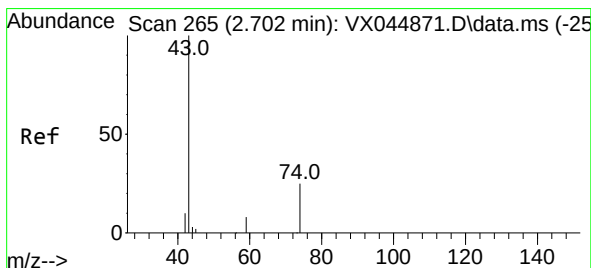
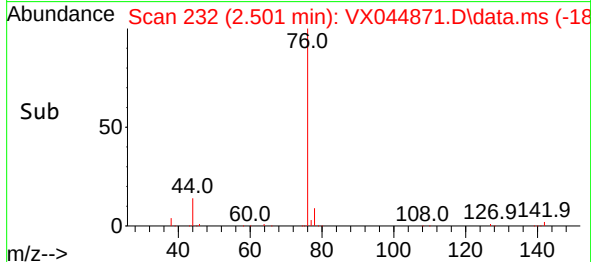
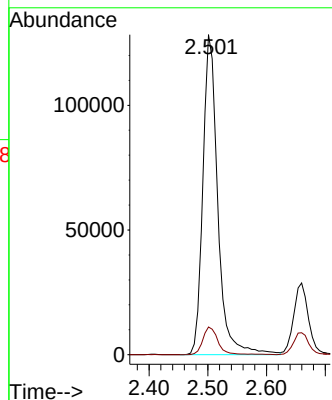
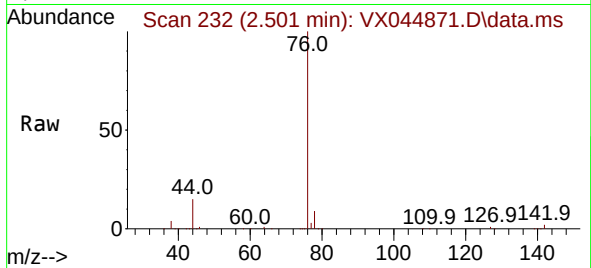




#17
Carbon Disulfide
Concen: 49.853 ug/l
RT: 2.501 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

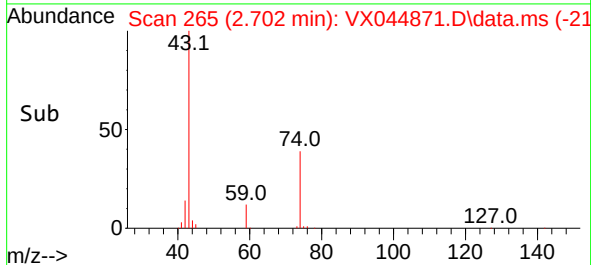
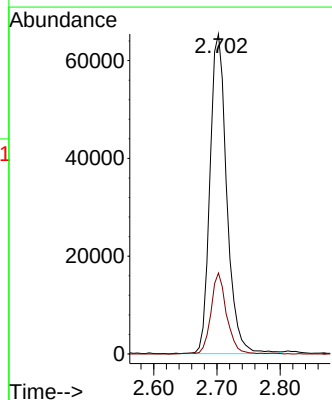
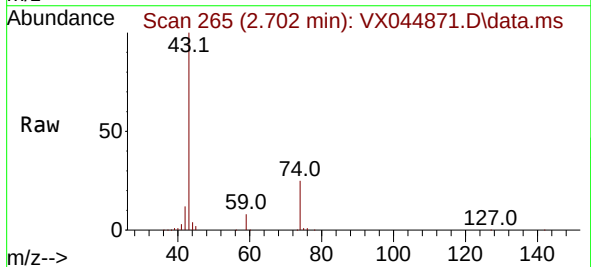
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

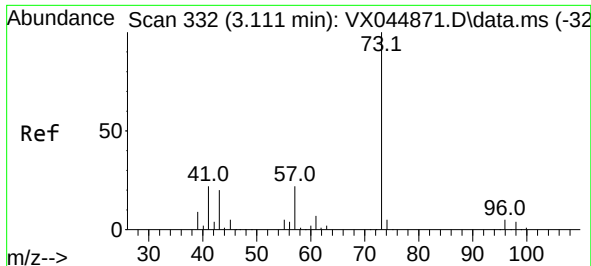
Tgt Ion: 76 Resp: 225511
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 50.928 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 121039
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3

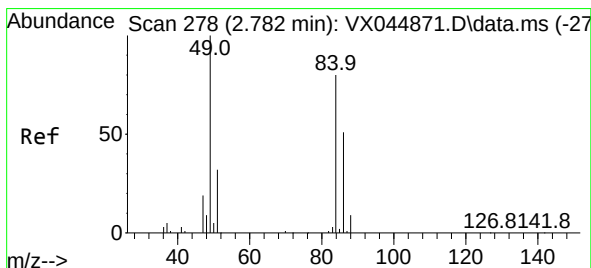
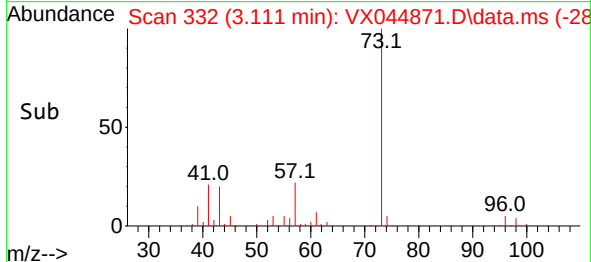
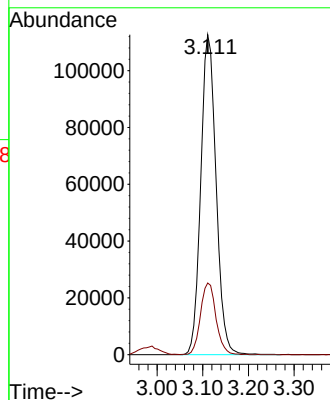
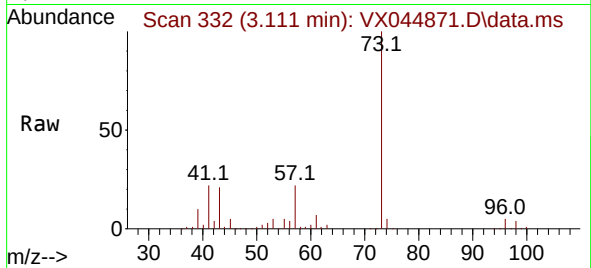




#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

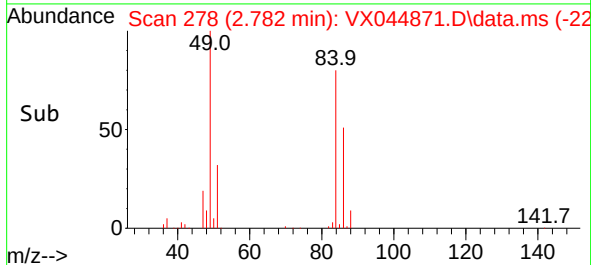
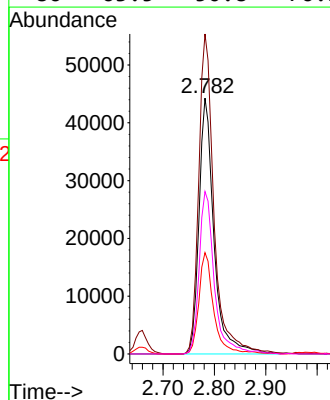
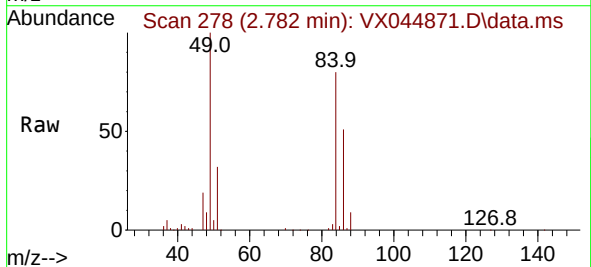
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

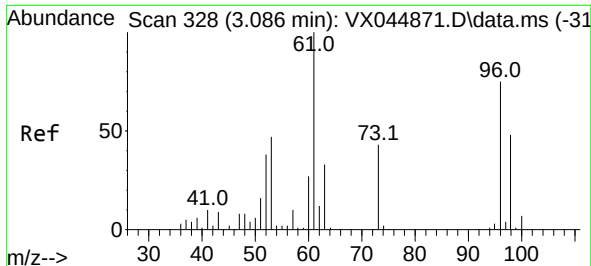
Tgt Ion: 73 Resp: 261852
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 48.808 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038
Ion Ratio Lower Upper
84 100
49 125.1 100.1 150.1
51 39.6 31.7 47.5
86 63.5 50.8 76.2

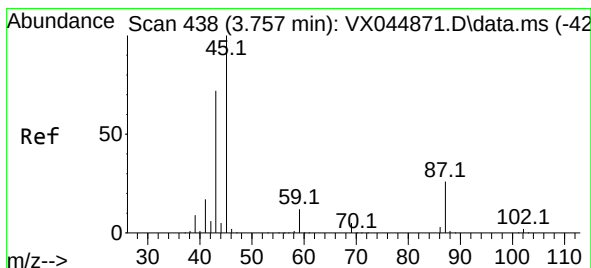
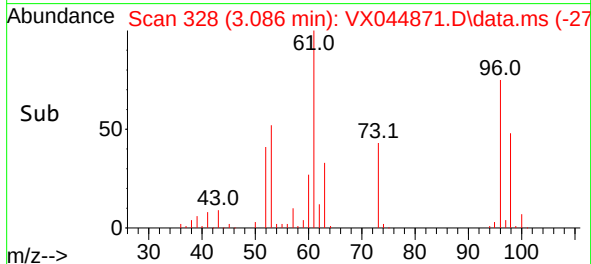
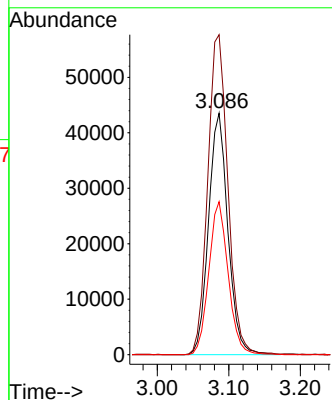
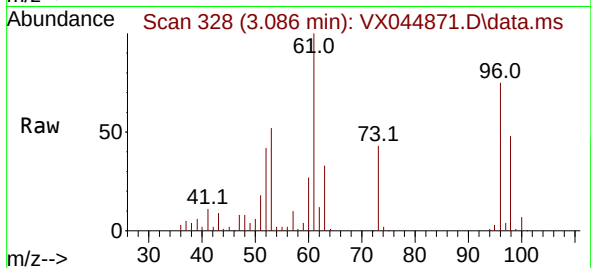




#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

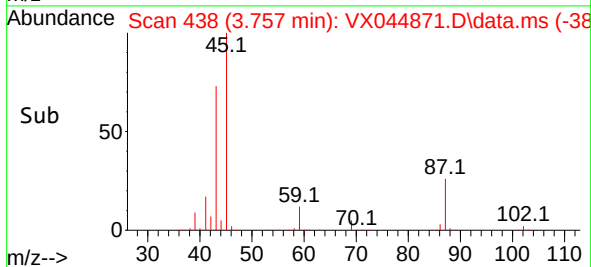
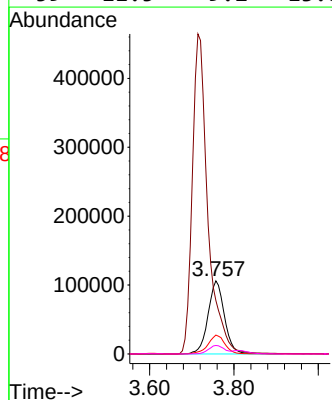
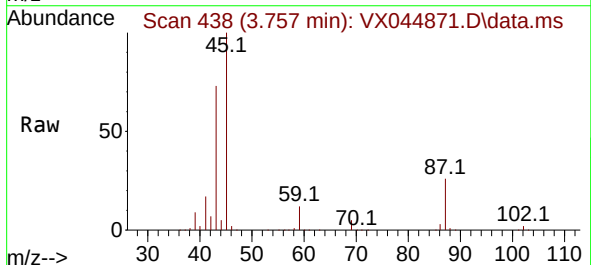
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

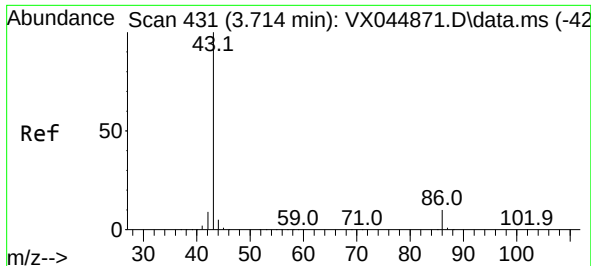
Tgt Ion: 96 Resp: 81950
Ion Ratio Lower Upper
96 100
61 132.5 106.0 159.0
98 63.3 50.6 76.0



#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347
Ion Ratio Lower Upper
45 100
43 72.5 58.0 87.0
87 25.9 20.7 31.1
59 11.5 9.2 13.8

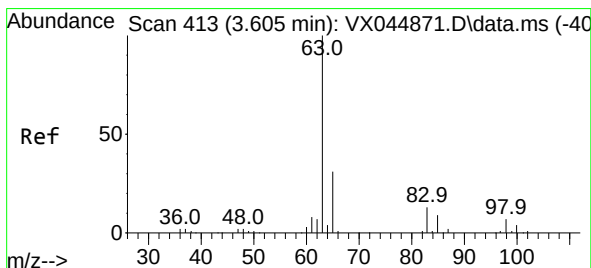
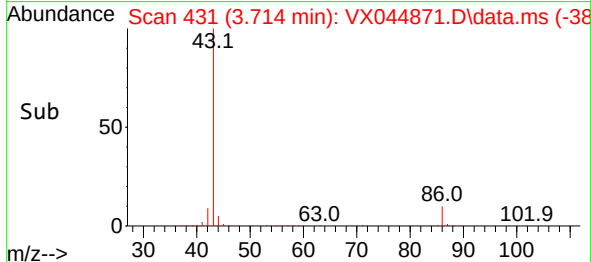
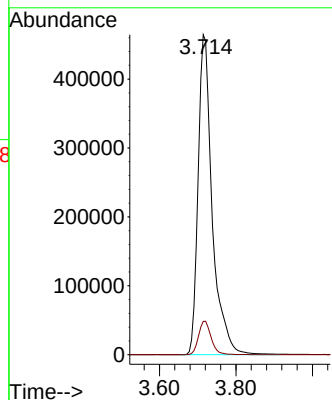
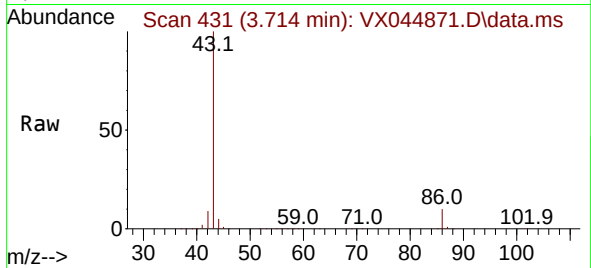




#23
 Vinyl Acetate
 Concen: 258.830 ug/l
 RT: 3.714 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

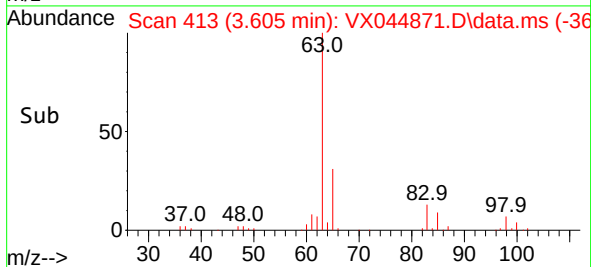
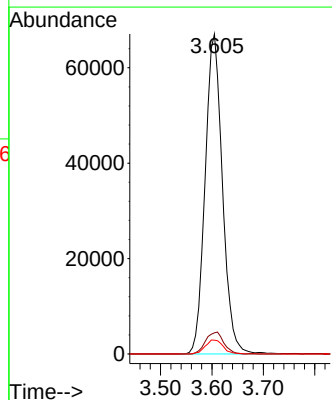
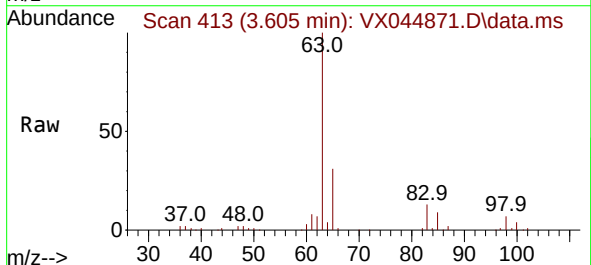
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

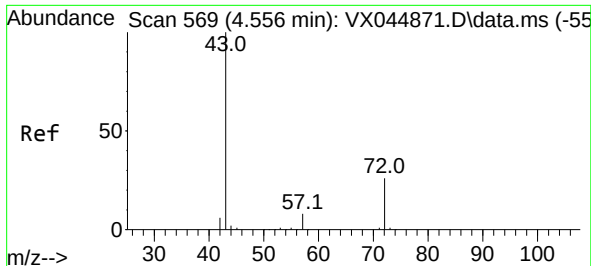
Tgt Ion: 43 Resp: 1190152
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 49.749 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 157003
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.3 2.1 6.5

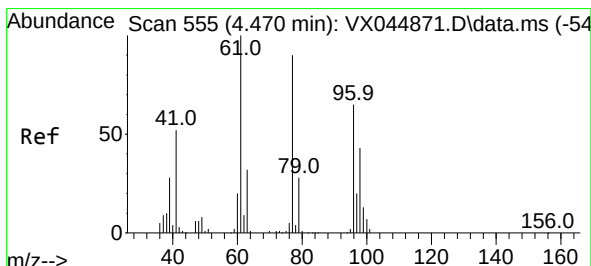
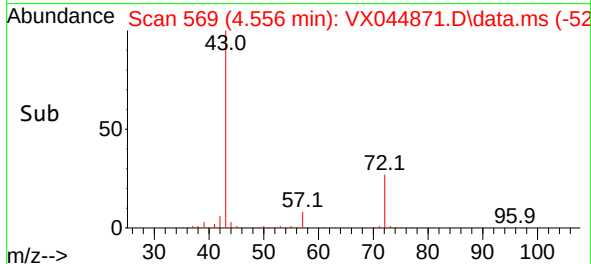
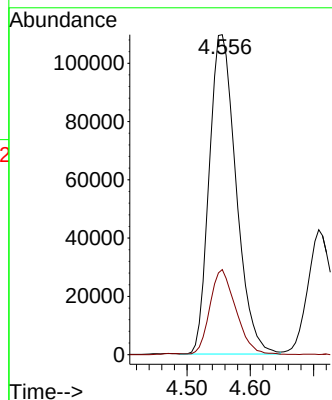
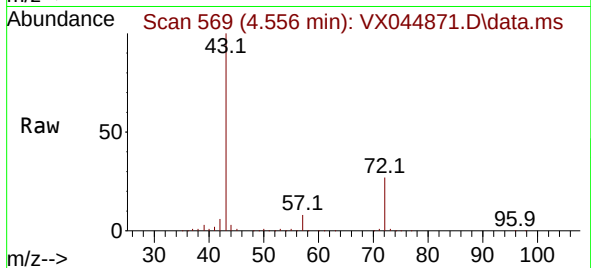




#25
2-Butanone
Concen: 264.528 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

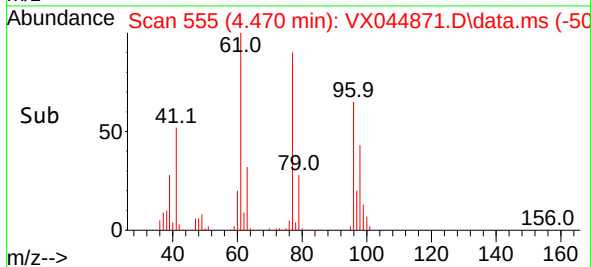
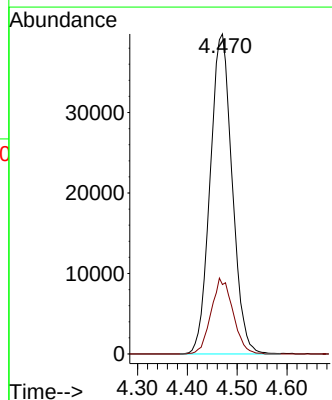
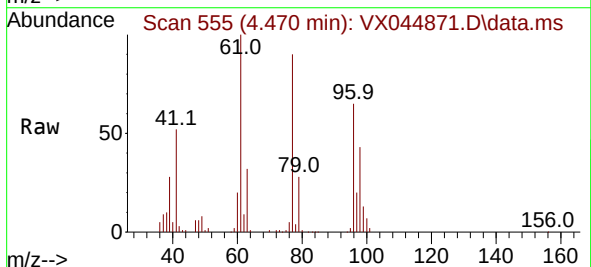
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

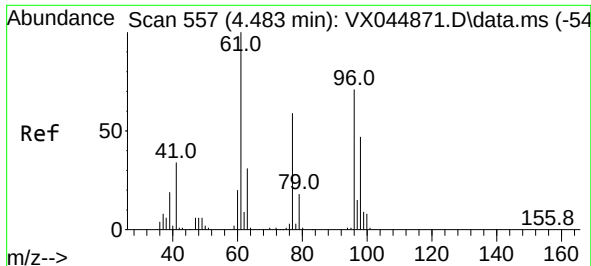
Tgt Ion: 43 Resp: 323510
Ion Ratio Lower Upper
43 100
72 26.5 21.2 31.8



#26
2,2-Dichloropropane
Concen: 48.707 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 121901
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3

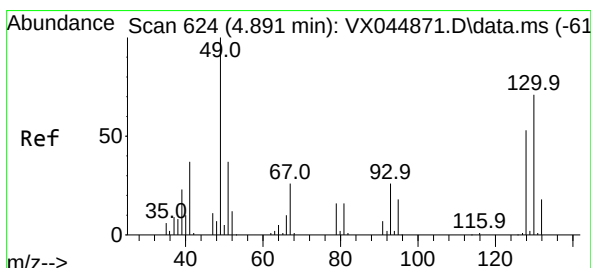
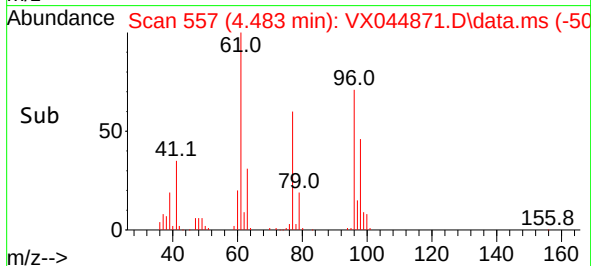
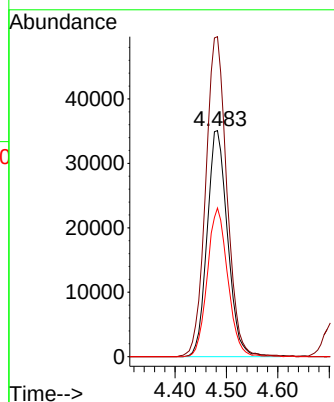
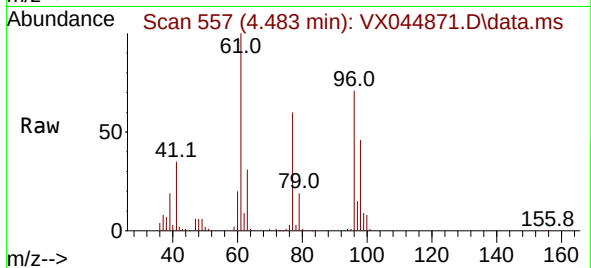




#27
 cis-1,2-Dichloroethene
 Concen: 49.721 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

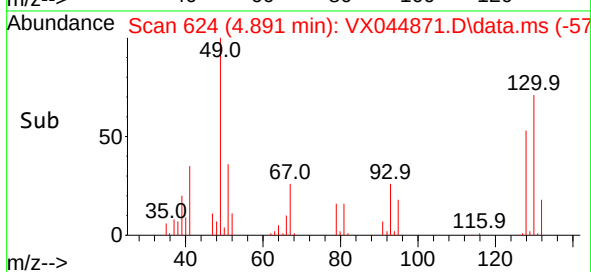
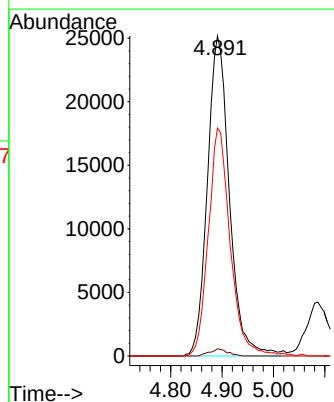
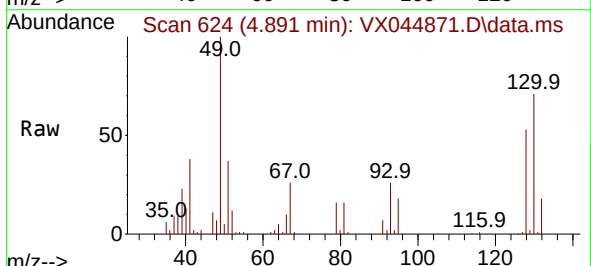
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

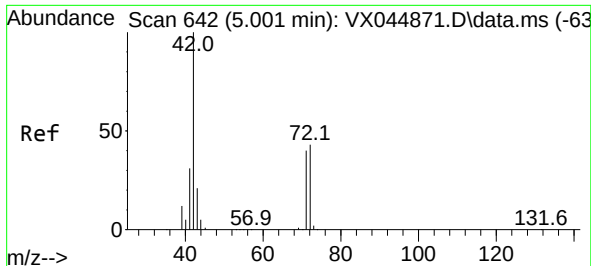
Tgt Ion: 96	Resp: 96965
Ion Ratio	Lower Upper
96 100	
61 147.0	0.0 294.0
98 65.6	0.0 131.2



#28
 Bromochloromethane
 Concen: 49.258 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 49	Resp: 74707
Ion Ratio	Lower Upper
49 100	
129 1.8	0.0 3.6
130 70.9	56.7 85.1





#29

Tetrahydrofuran

Concen: 259.105 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

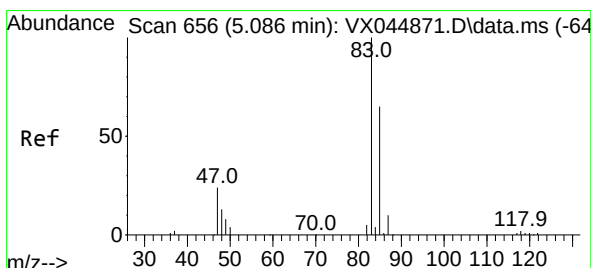
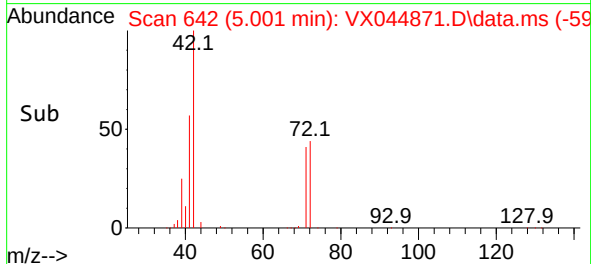
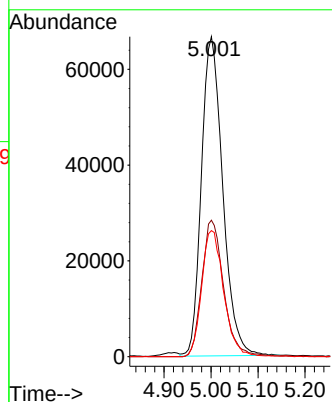
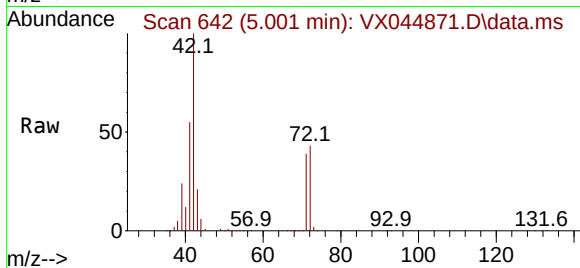
Tgt Ion: 42 Resp: 210414

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

71 40.7 32.6 48.8



#30

Chloroform

Concen: 48.874 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044871.D

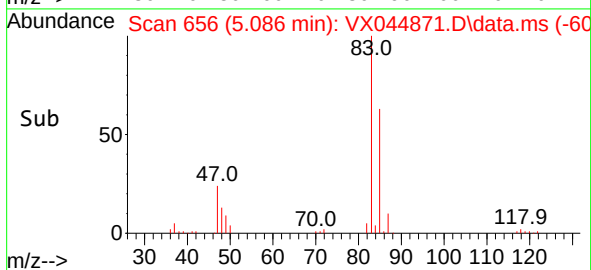
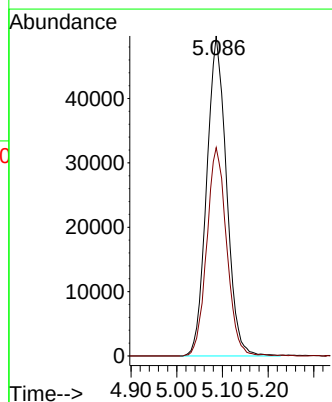
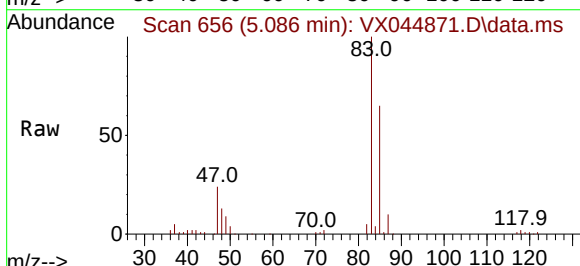
Acq: 10 Feb 2025 11:34

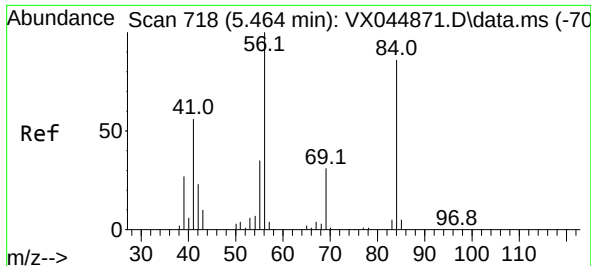
Tgt Ion: 83 Resp: 149581

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

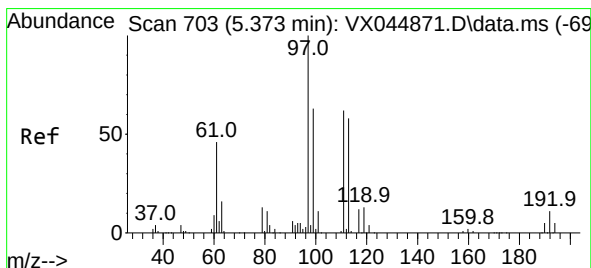
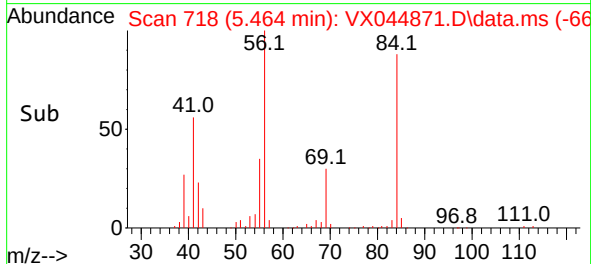
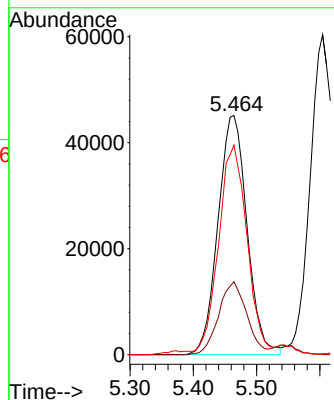
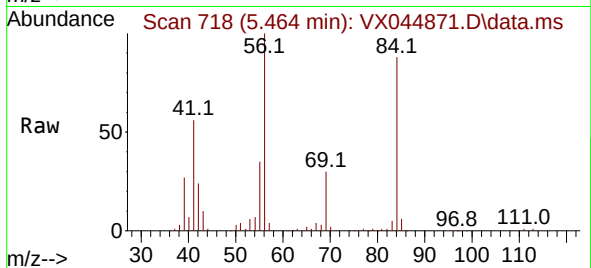




#31
Cyclohexane
Concen: 49.322 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

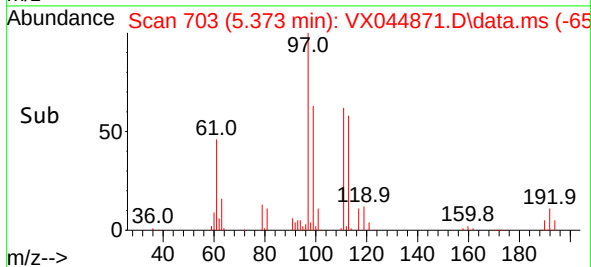
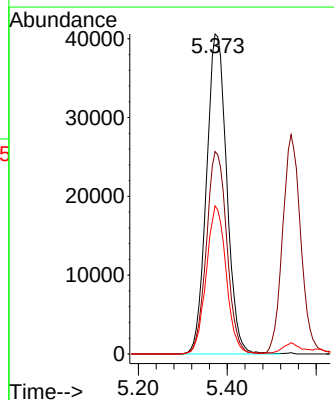
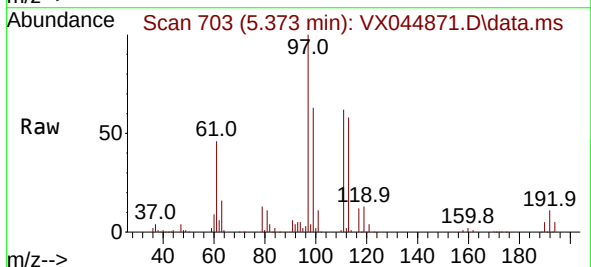
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

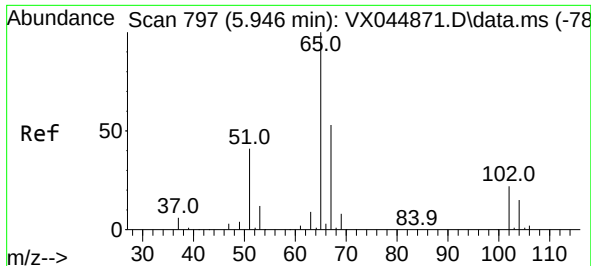
Tgt Ion: 56 Resp: 143500
Ion Ratio Lower Upper
56 100
69 30.5 24.4 36.6
84 86.3 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 49.523 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 128561
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.8 36.6 55.0

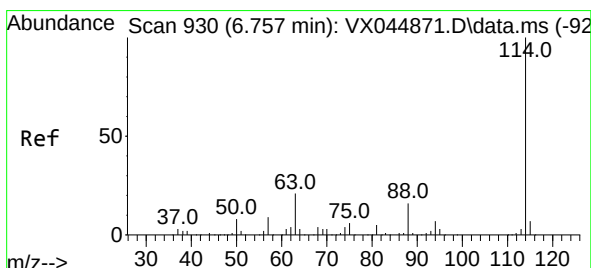
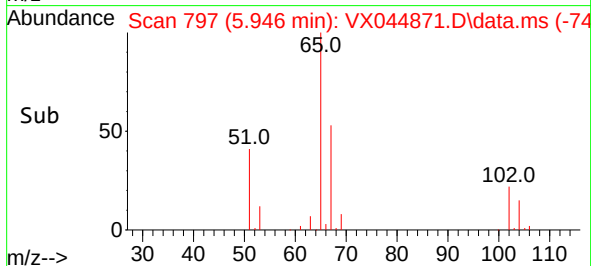
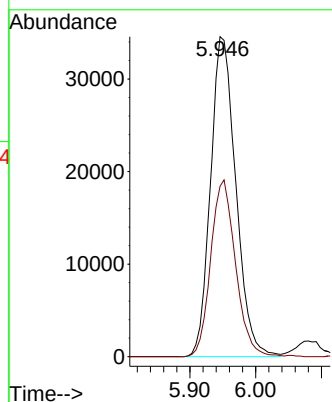
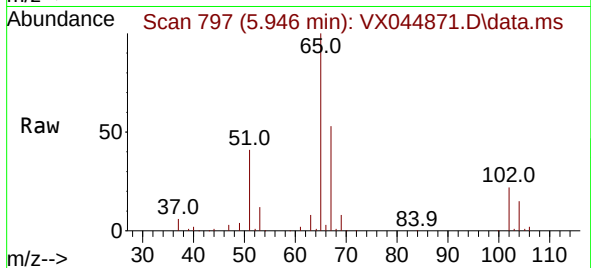




#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

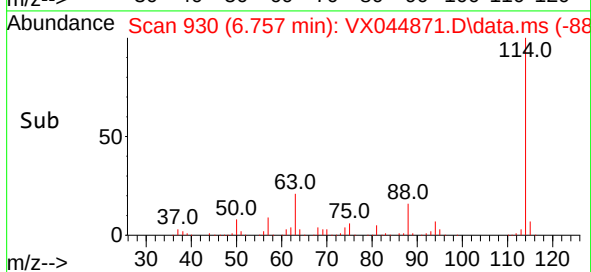
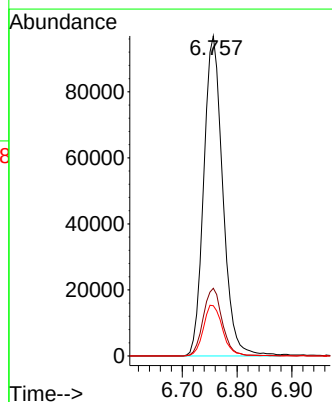
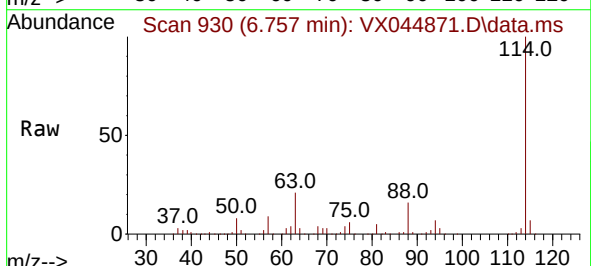
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

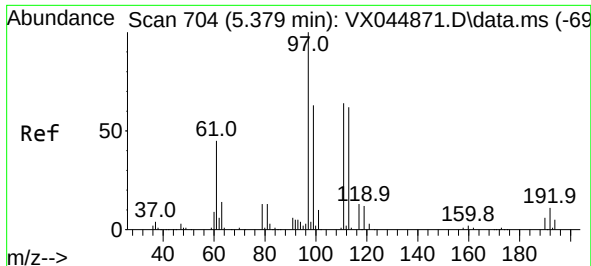
Tgt Ion: 65 Resp: 92593
Ion Ratio Lower Upper
65 100
67 54.1 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 114 Resp: 233736
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 15.7 0.0 31.4

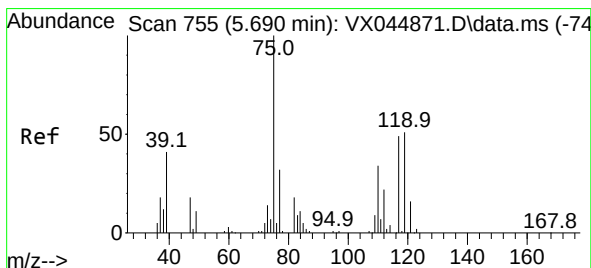
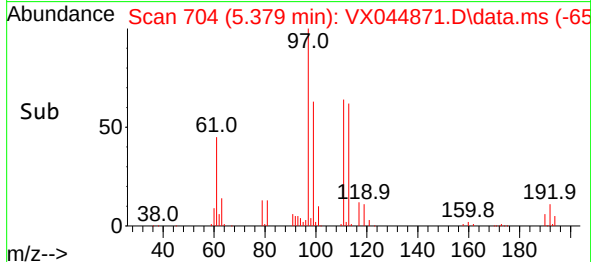
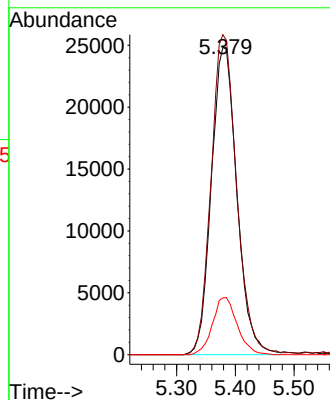
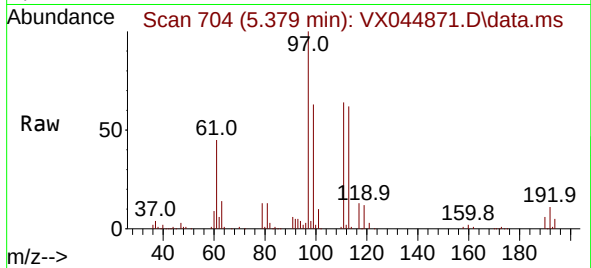




#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

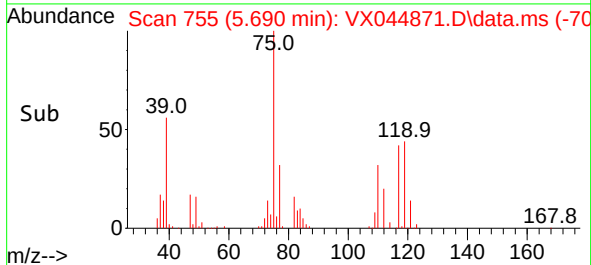
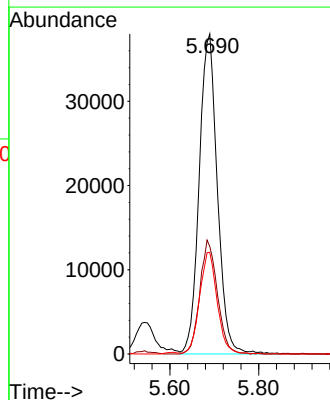
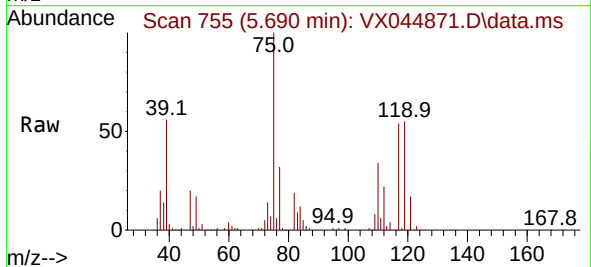
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

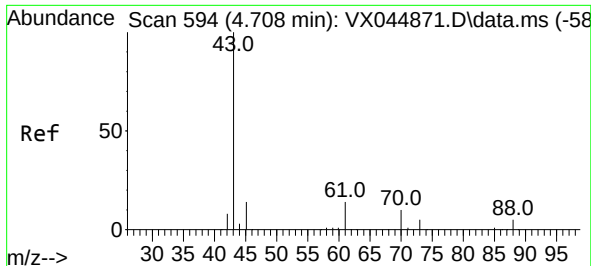
Tgt Ion:113 Resp: 74906
Ion Ratio Lower Upper
113 100
111 104.4 83.5 125.3
192 18.0 14.4 21.6



#36
1,1-Dichloropropene
Concen: 49.353 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 108206
Ion Ratio Lower Upper
75 100
110 34.4 17.2 51.6
77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 50.535 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

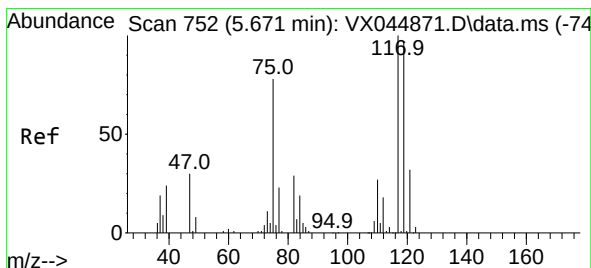
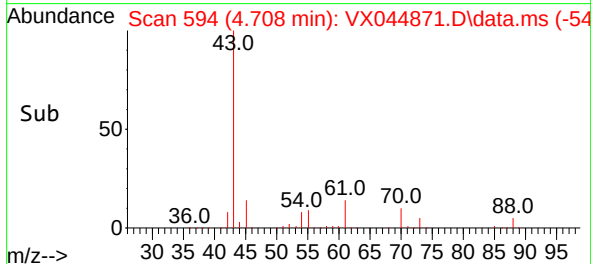
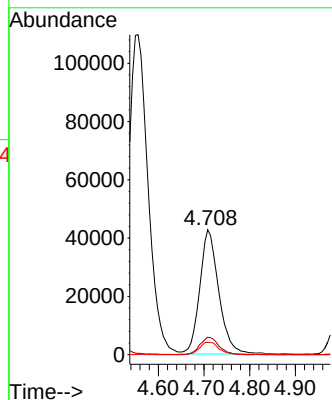
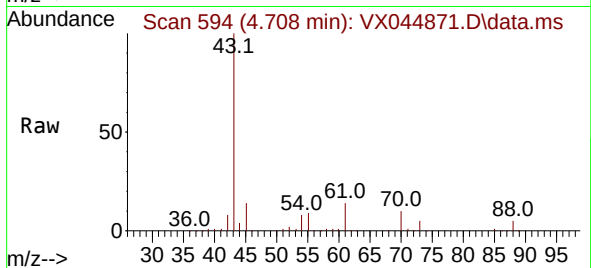
Tgt Ion: 43 Resp: 123238

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.4

70 10.2 8.2 12.2



#38

Carbon Tetrachloride

Concen: 49.277 ug/l

RT: 5.671 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

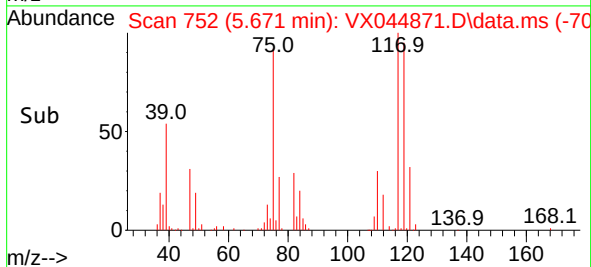
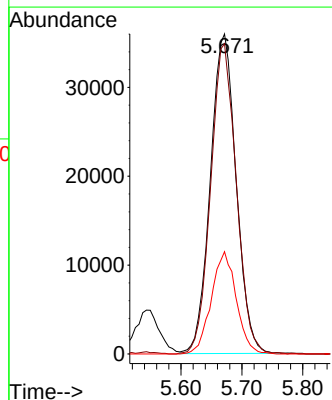
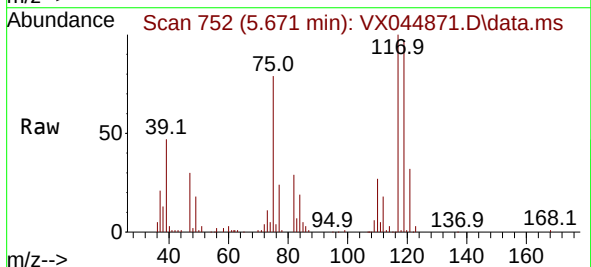
Tgt Ion: 117 Resp: 105873

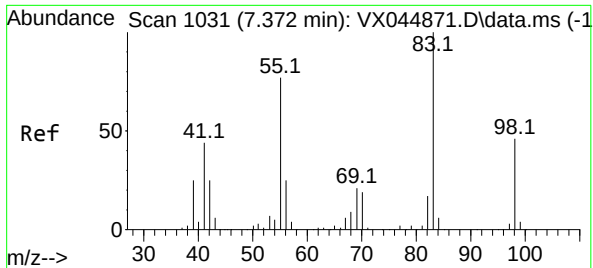
Ion Ratio Lower Upper

117 100

119 96.9 77.5 116.3

121 32.0 25.6 38.4

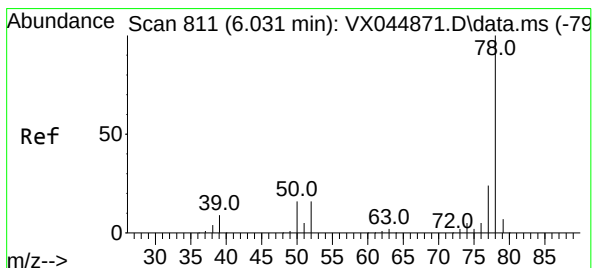
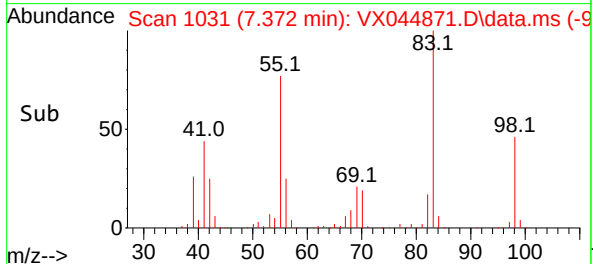
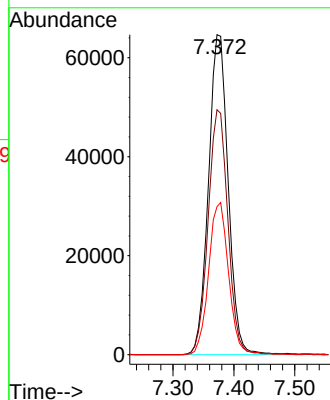
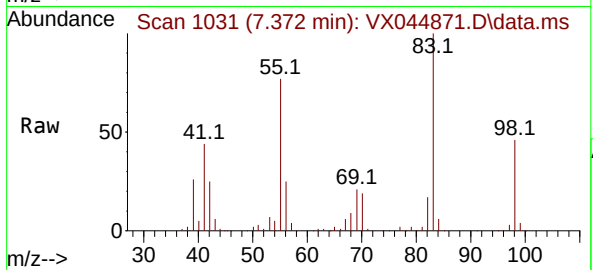




#39
Methylcyclohexane
Concen: 51.274 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

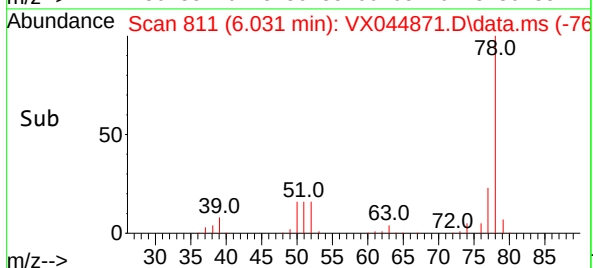
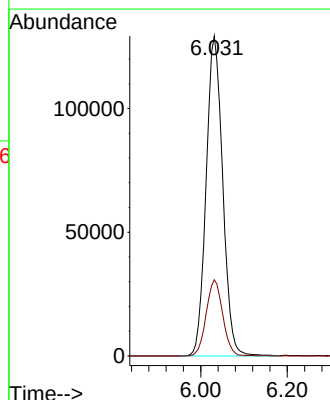
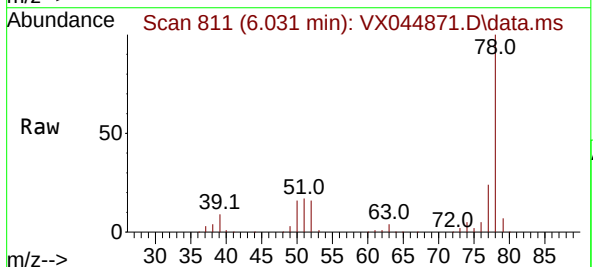
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

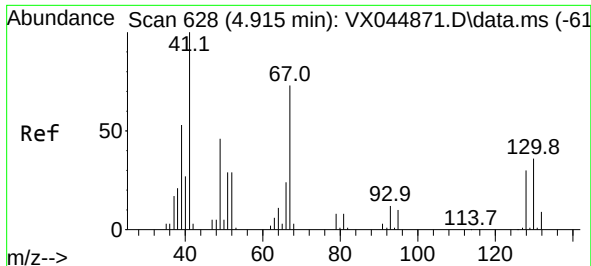
Tgt Ion: 83 Resp: 145338
Ion Ratio Lower Upper
83 100
55 76.6 61.3 91.9
98 46.3 37.0 55.6



#40
Benzene
Concen: 50.182 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 78 Resp: 343557
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

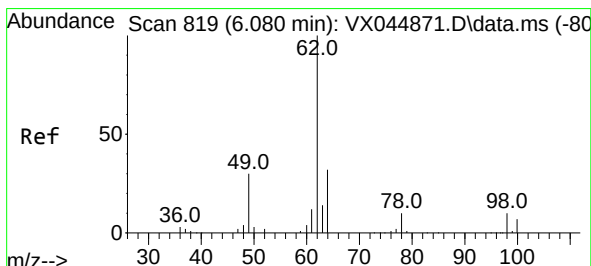
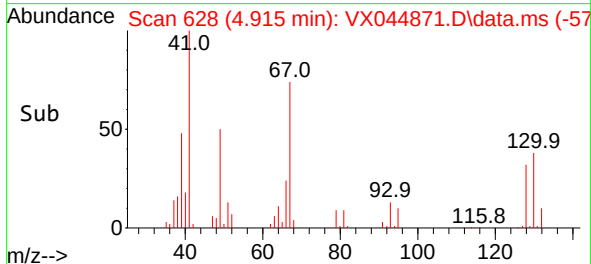
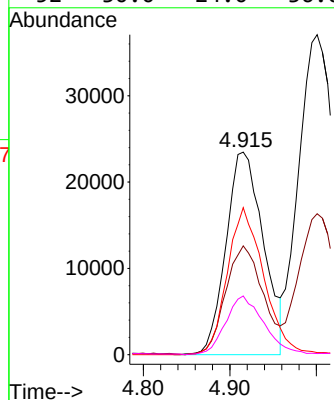
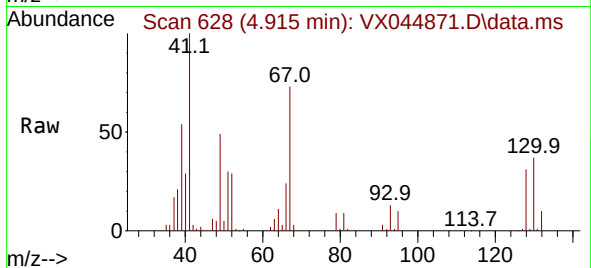




#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

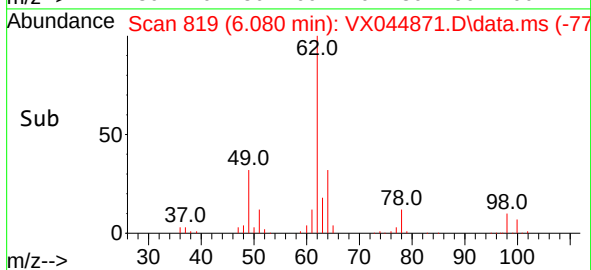
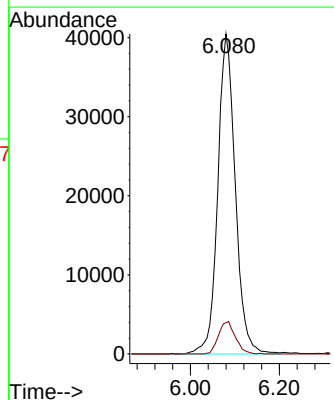
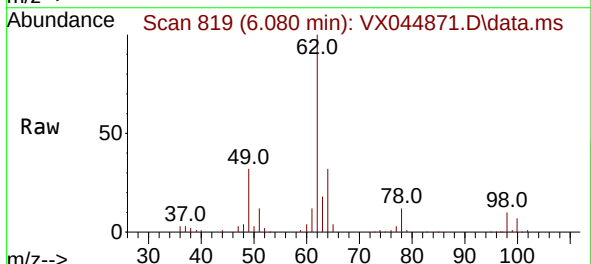
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

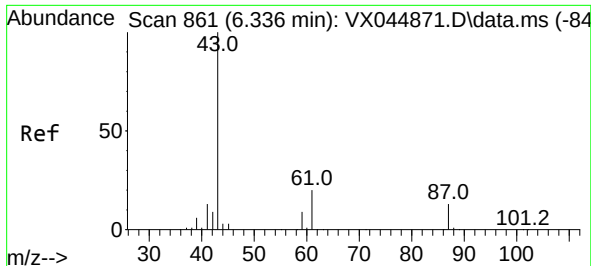
Tgt Ion: 41	Resp: 70572
Ion Ratio	Lower Upper
41 100	
39 53.9	43.1 64.7
67 71.3	57.0 85.6
52 30.0	24.0 36.0



#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62	Resp: 110347
Ion Ratio	Lower Upper
62 100	
98 9.7	0.0 19.4

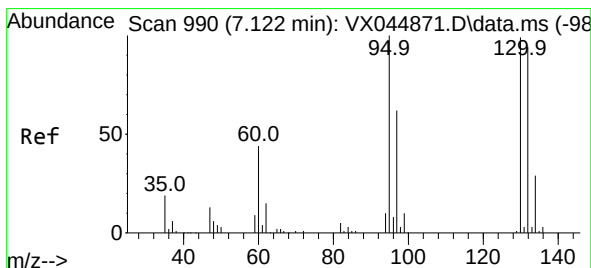
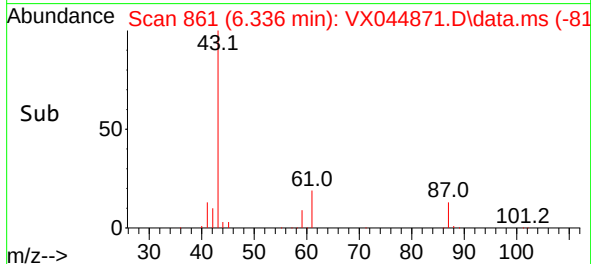
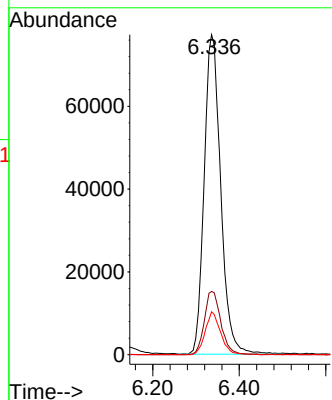
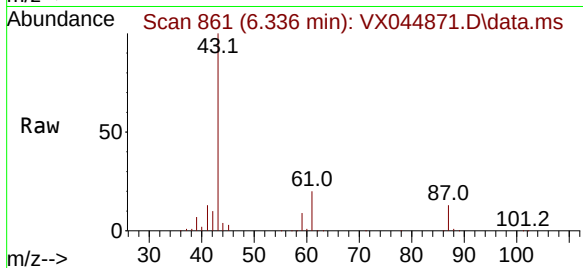




#43
Isopropyl Acetate
Concen: 51.981 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

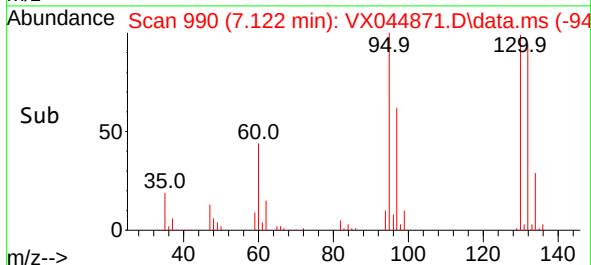
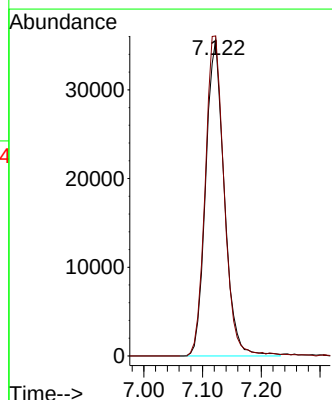
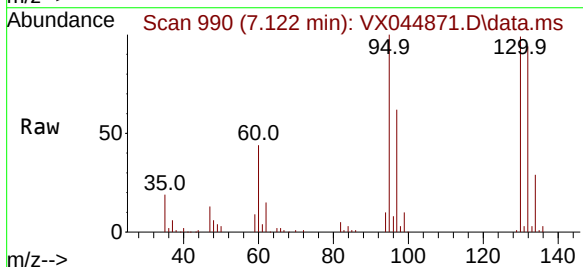
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

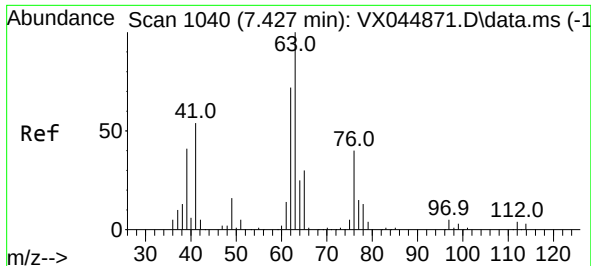
Tgt Ion: 43 Resp: 204703
Ion Ratio Lower Upper
43 100
61 19.8 15.8 23.8
87 12.5 10.0 15.0



#44
Trichloroethene
Concen: 50.020 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:130 Resp: 78274
Ion Ratio Lower Upper
130 100
95 101.2 0.0 202.4

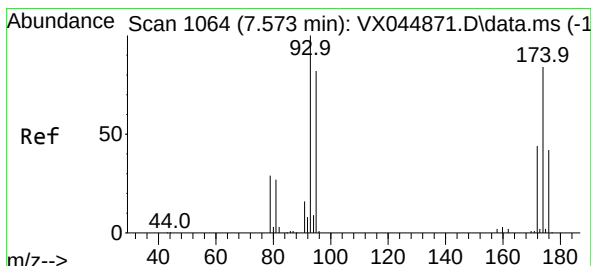
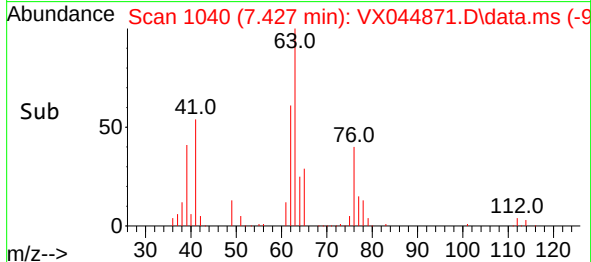
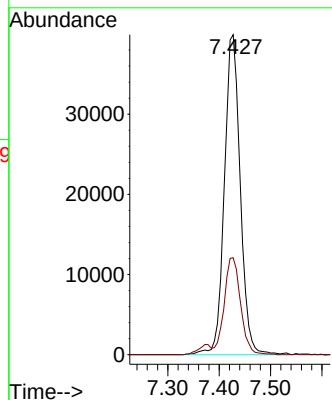
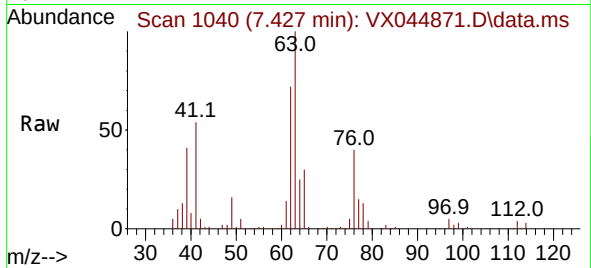




#45
1,2-Dichloropropane
Concen: 50.335 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

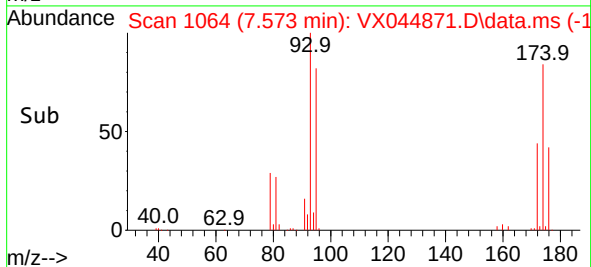
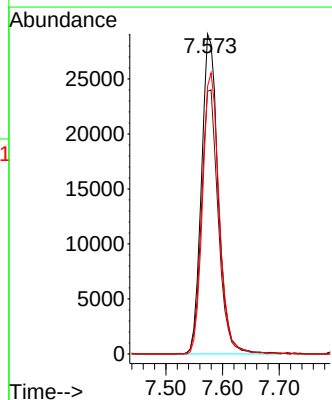
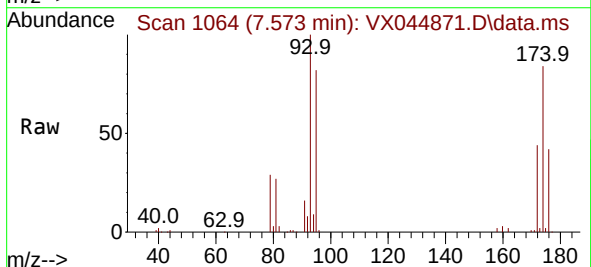
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

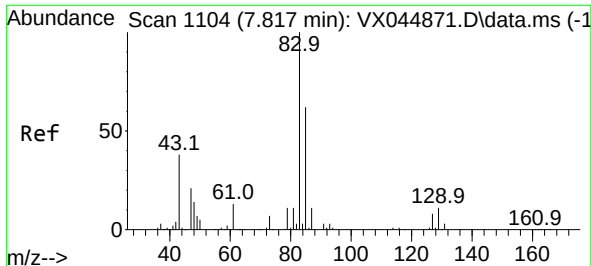
Tgt Ion: 63 Resp: 85733
Ion Ratio Lower Upper
63 100
65 30.3 24.2 36.4



#46
Dibromomethane
Concen: 50.479 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 59625
Ion Ratio Lower Upper
93 100
95 82.8 66.2 99.4
174 87.4 69.9 104.9

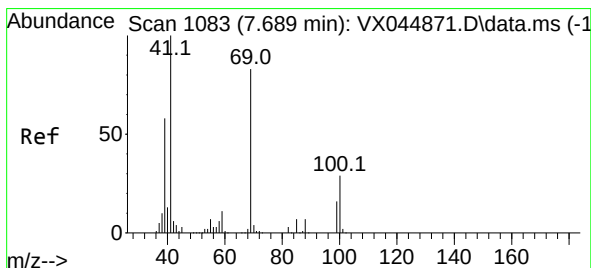
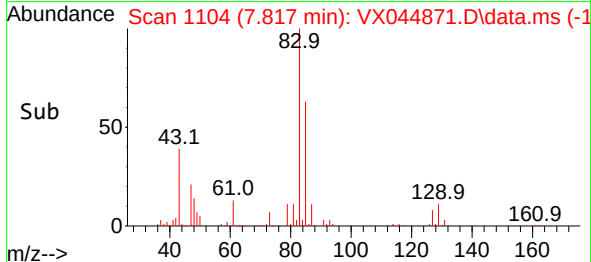
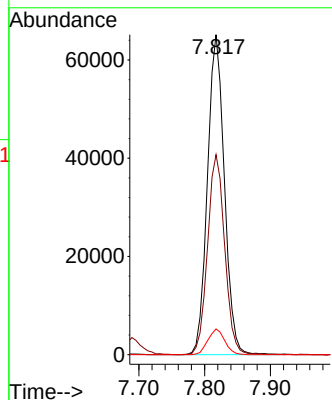
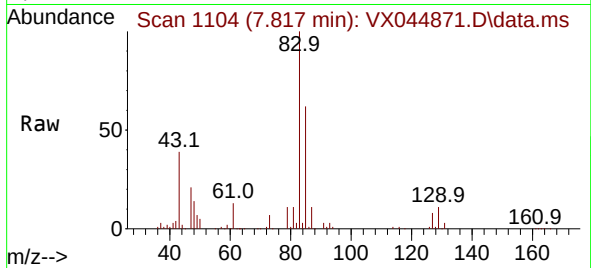




#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

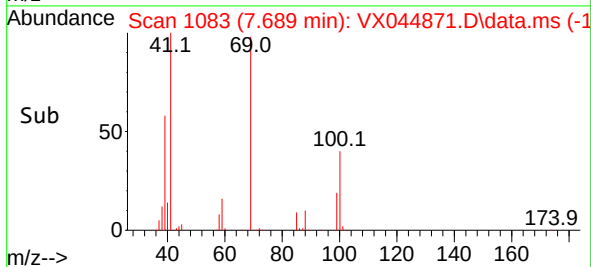
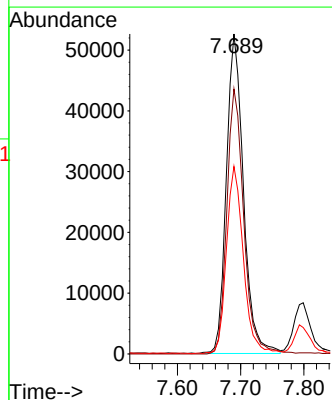
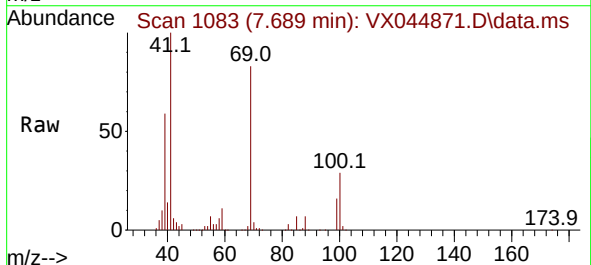
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

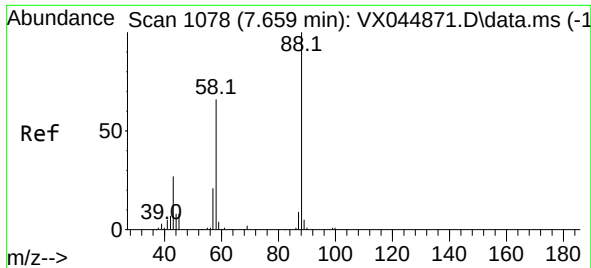
Tgt Ion: 83 Resp: 116892
Ion Ratio Lower Upper
83 100
85 62.5 50.0 75.0
127 8.0 6.4 9.6



#48
Methyl methacrylate
Concen: 53.057 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 98519
Ion Ratio Lower Upper
41 100
69 82.3 65.8 98.8
39 58.0 46.4 69.6

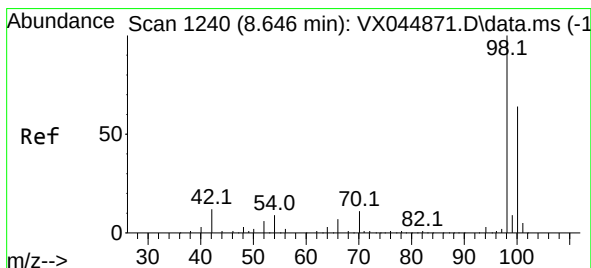
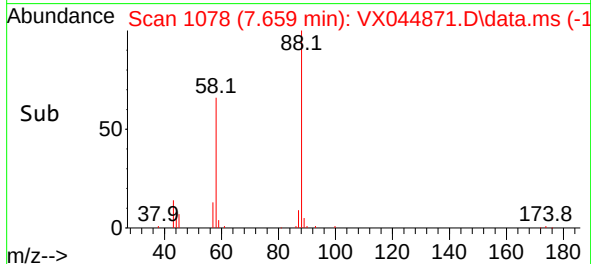
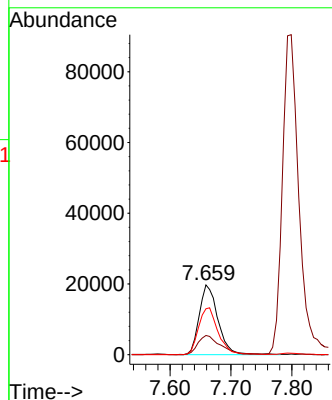
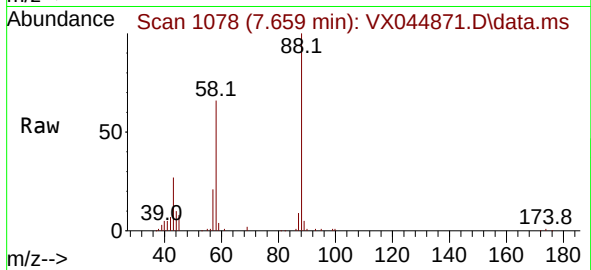




#49
1,4-Dioxane
Concen: 1056.618 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

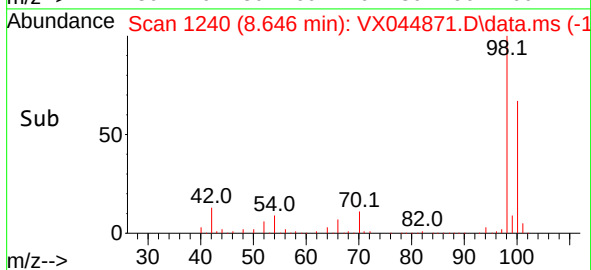
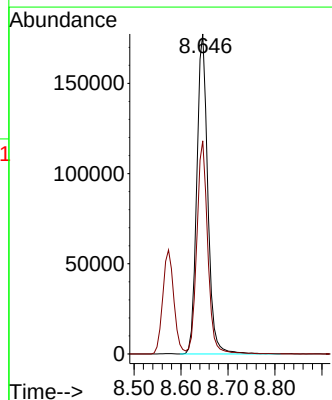
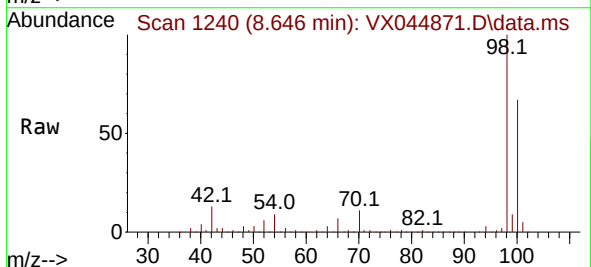
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

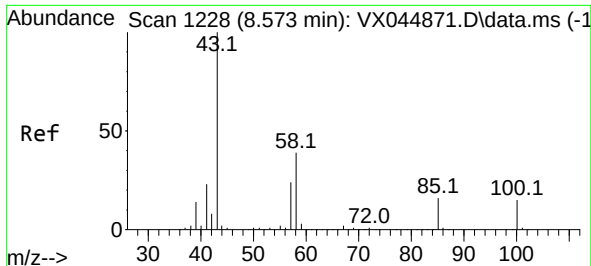
Tgt Ion: 88 Resp: 42094
Ion Ratio Lower Upper
88 100
43 33.2 26.6 39.8
58 69.9 55.9 83.9



#50
Toluene-d8
Concen: 50.392 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 98 Resp: 289575
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1

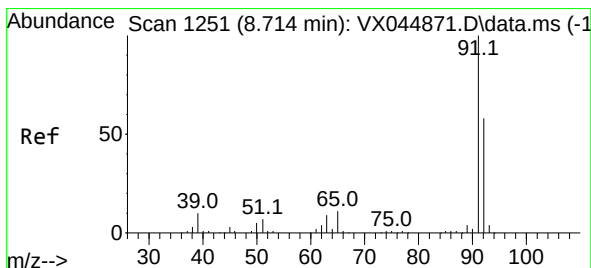
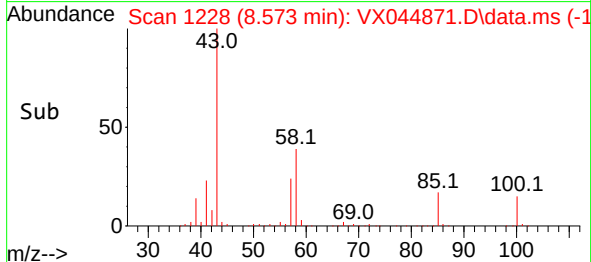
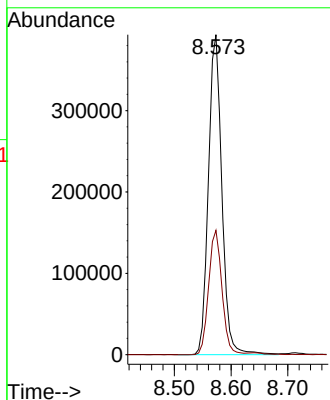
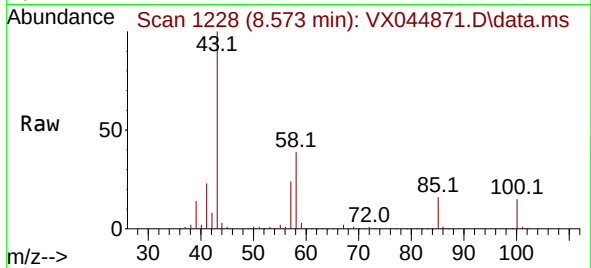




#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

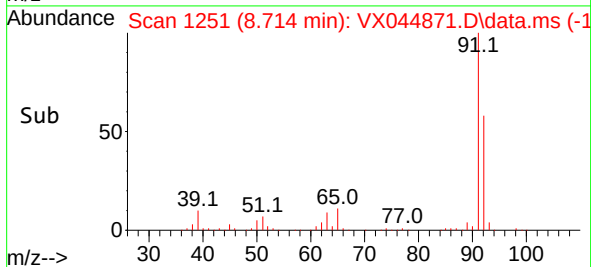
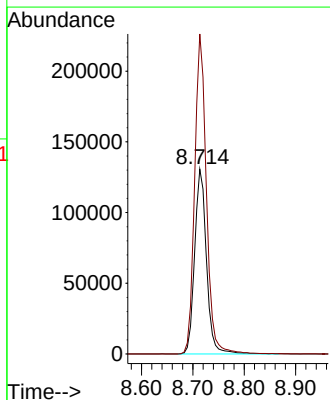
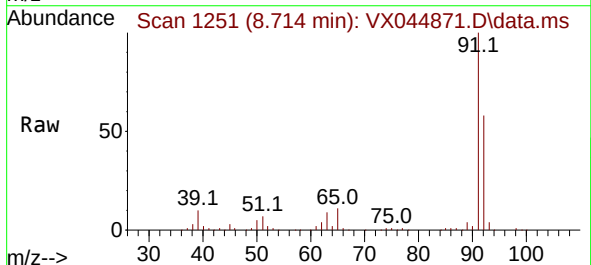
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

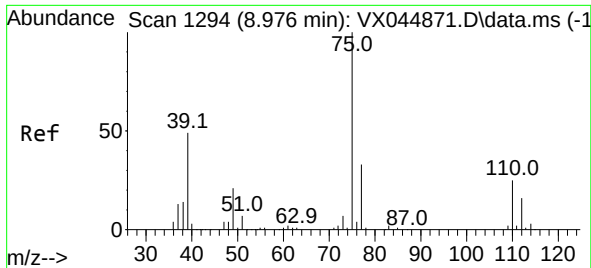
Tgt Ion: 43 Resp: 647283
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2



#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 92 Resp: 210007
Ion Ratio Lower Upper
92 100
91 171.8 137.4 206.2

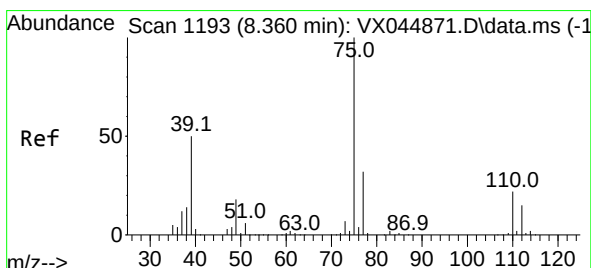
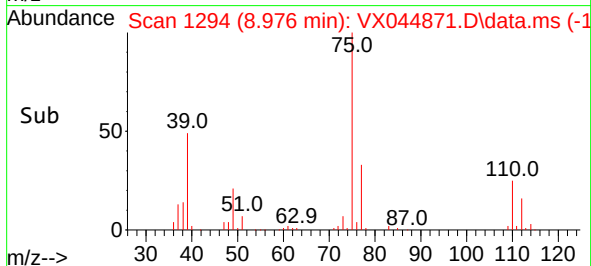
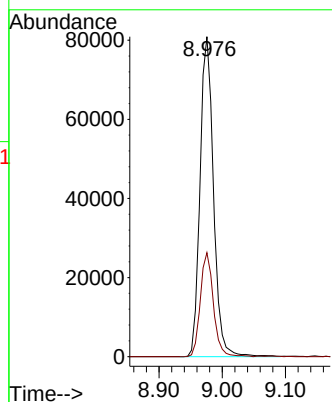
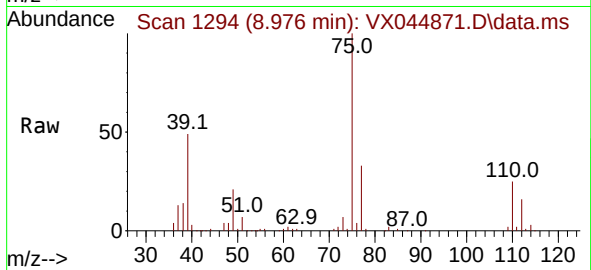




#53
t-1,3-Dichloropropene
Concen: 51.902 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

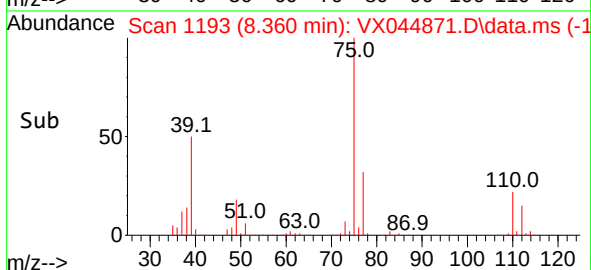
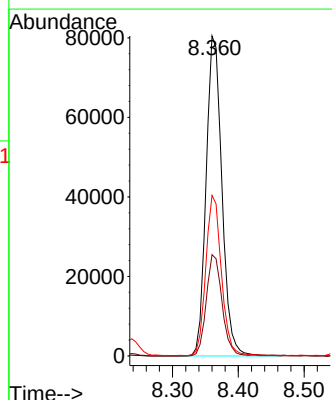
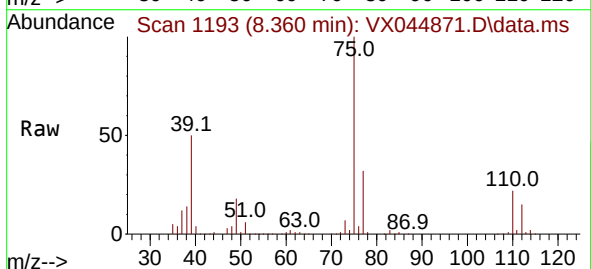
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

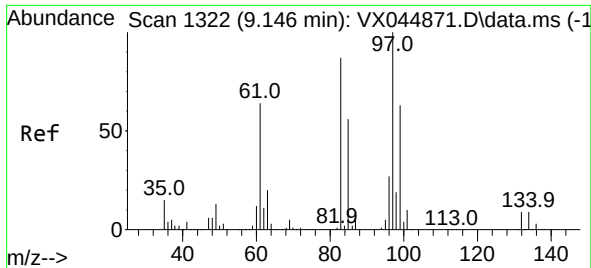
Tgt Ion: 75 Resp: 120125
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0



#54
cis-1,3-Dichloropropene
Concen: 52.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 134763
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 50.0 40.0 60.0

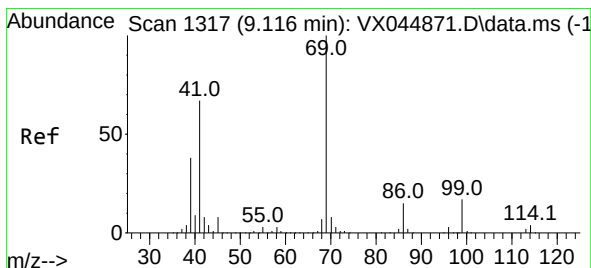
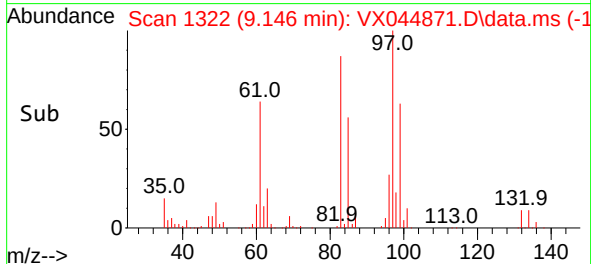
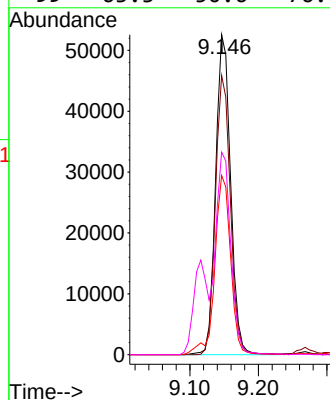
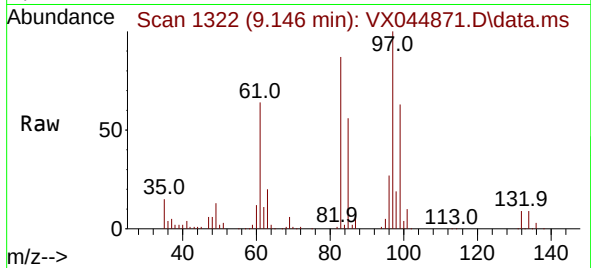




#55
 1,1,2-Trichloroethane
 Concen: 50.876 ug/l
 RT: 9.146 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

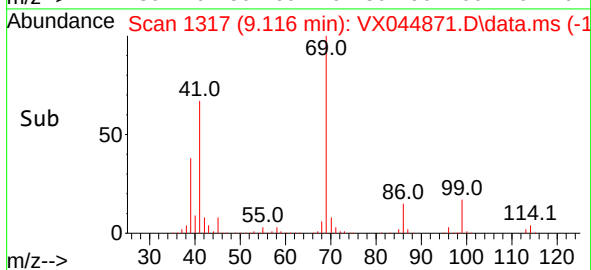
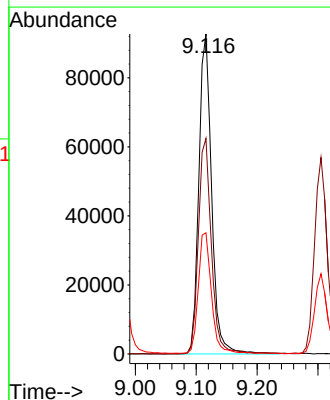
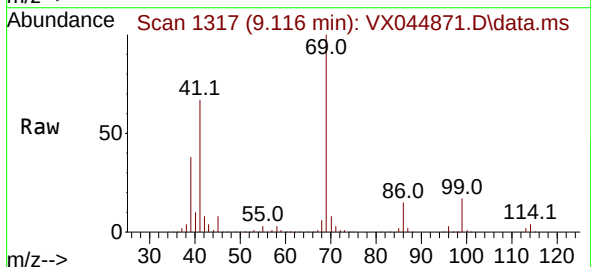
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

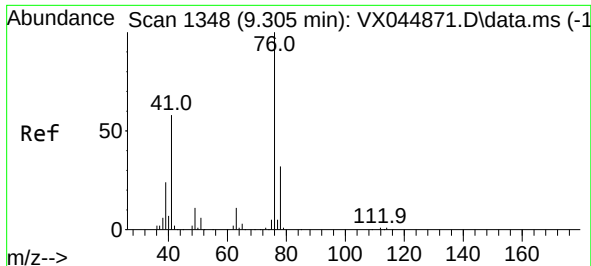
Tgt Ion: 97	Resp: 79741
Ion Ratio	Lower Upper
97 100	
83 87.2	69.8 104.6
85 56.0	44.8 67.2
99 63.3	50.6 76.0



#56
 Ethyl methacrylate
 Concen: 53.319 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 69	Resp: 134975
Ion Ratio	Lower Upper
69 100	
41 69.0	55.2 82.8
39 38.5	30.8 46.2

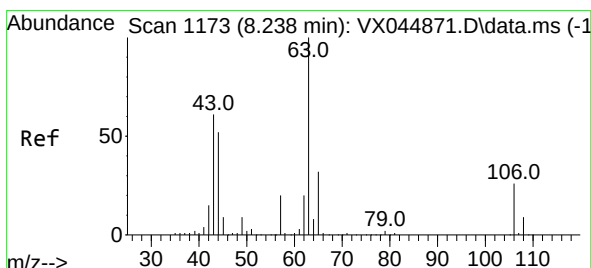
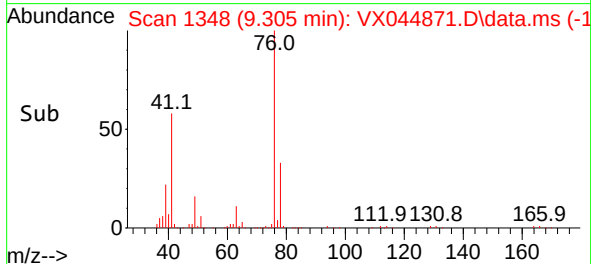
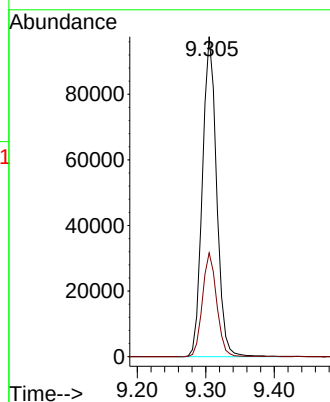
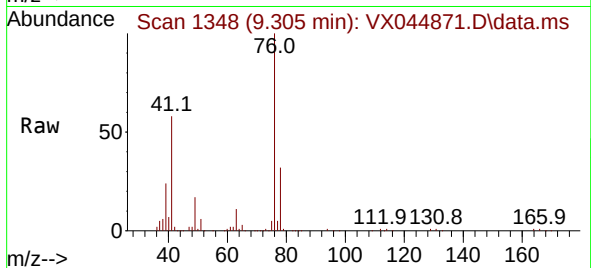




#57
1,3-Dichloropropane
Concen: 51.537 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

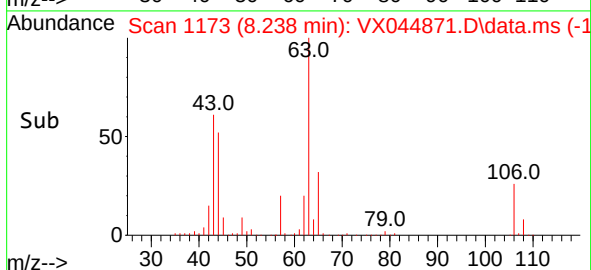
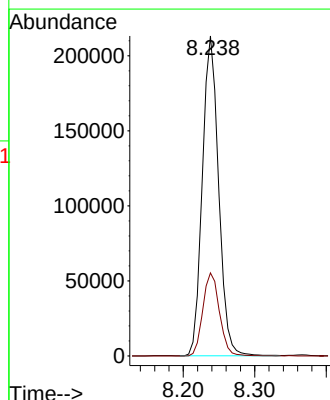
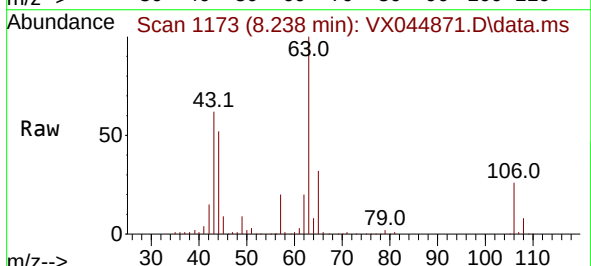
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

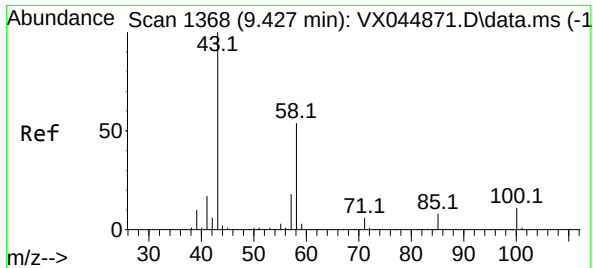
Tgt Ion: 76 Resp: 141335
Ion Ratio Lower Upper
76 100
78 32.3 25.8 38.8



#58
2-Chloroethyl Vinyl ether
Concen: 270.652 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 336412
Ion Ratio Lower Upper
63 100
106 26.6 21.3 31.9

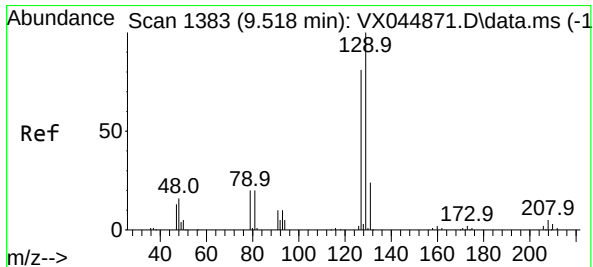
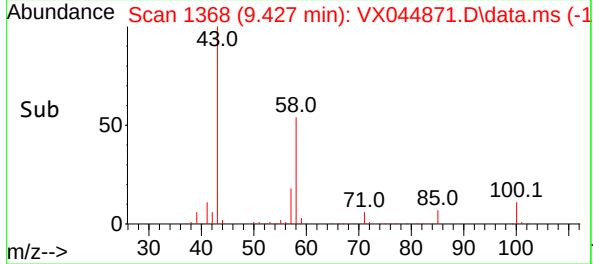
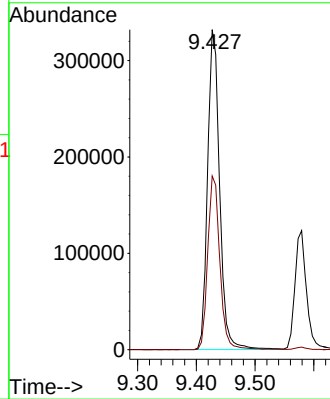
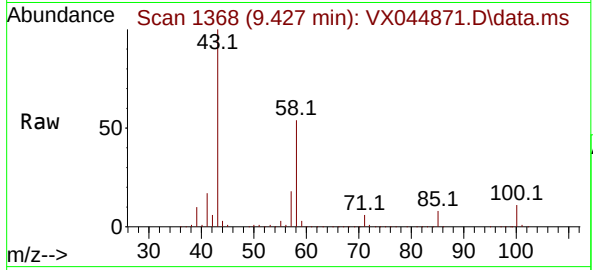




#59
2-Hexanone
Concen: 273.800 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

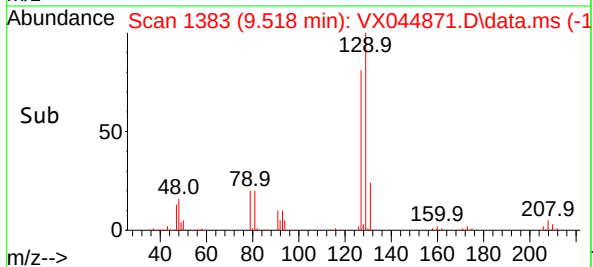
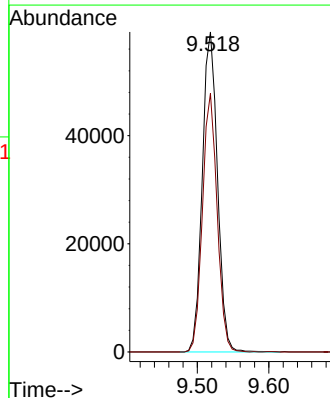
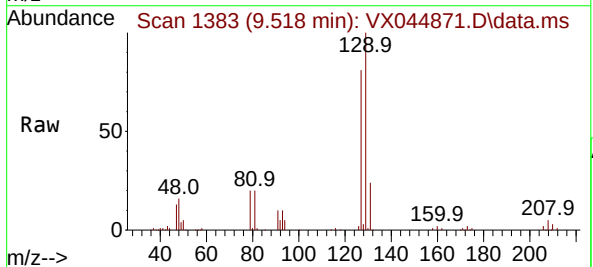
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

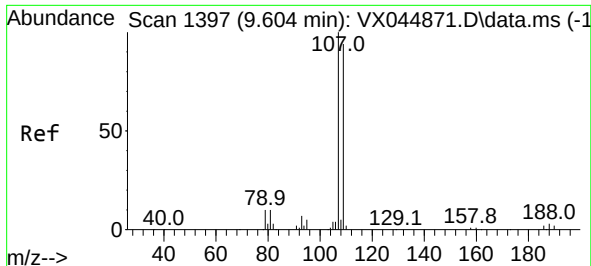
Tgt Ion: 43 Resp: 472301
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4



#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 129 Resp: 87240
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3

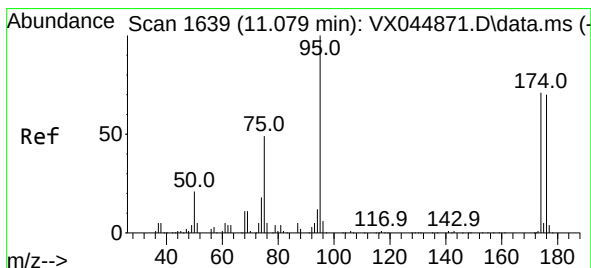
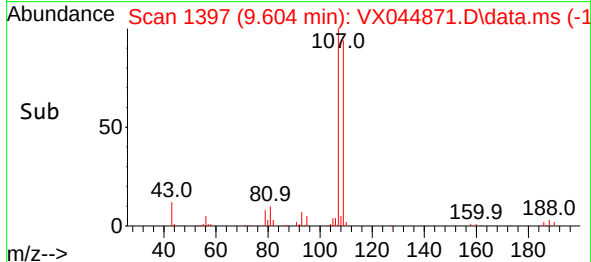
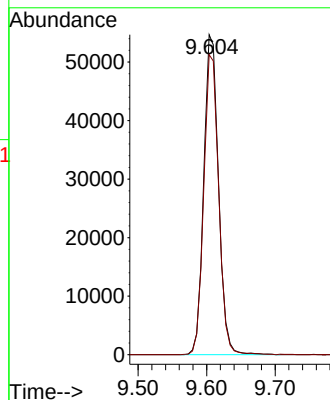
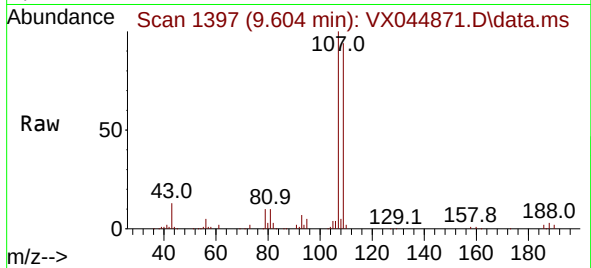




#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

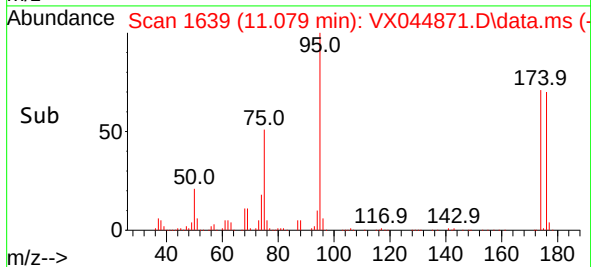
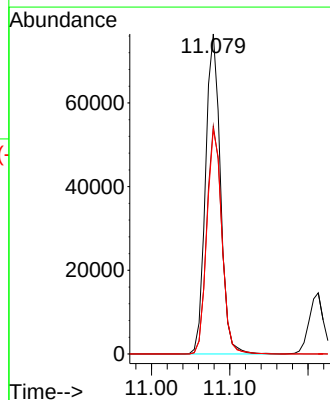
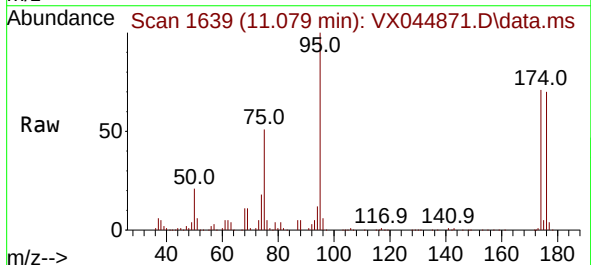
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

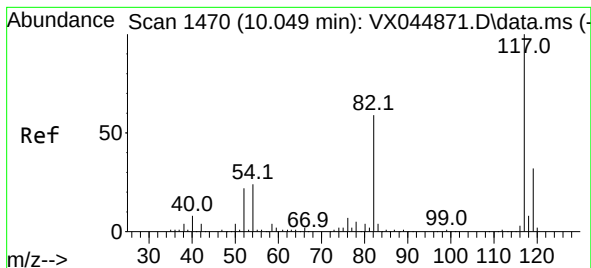
Tgt Ion:107 Resp: 81915
Ion Ratio Lower Upper
107 100
109 94.9 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 70.8 0.0 141.6

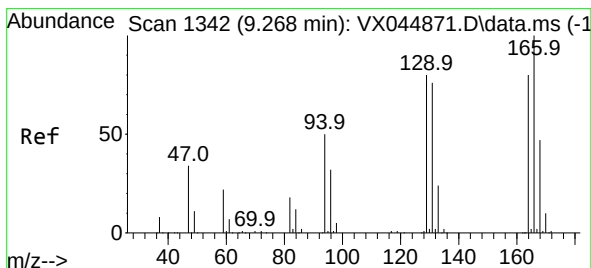
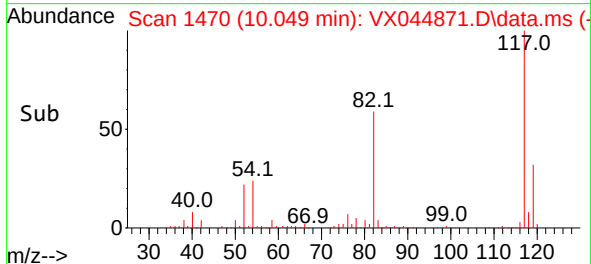
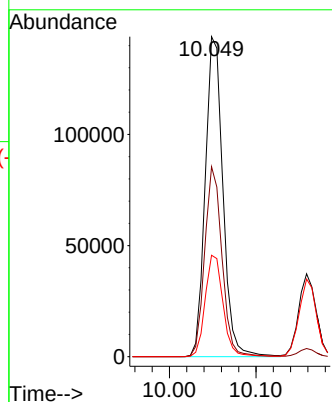
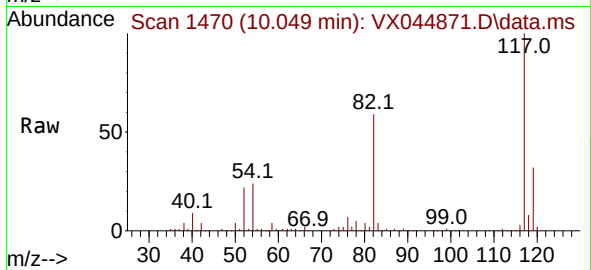




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

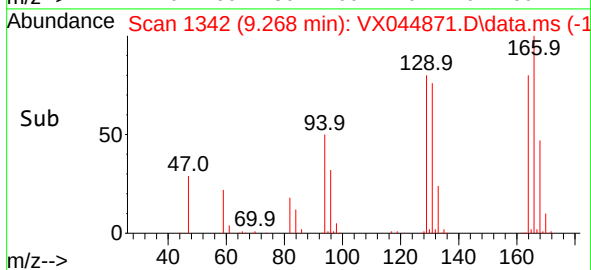
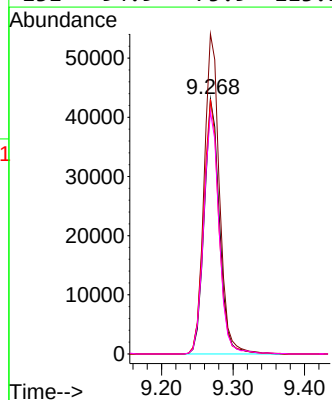
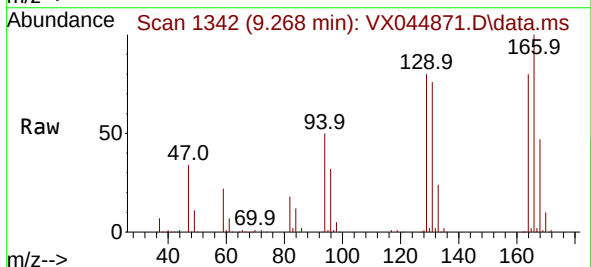
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

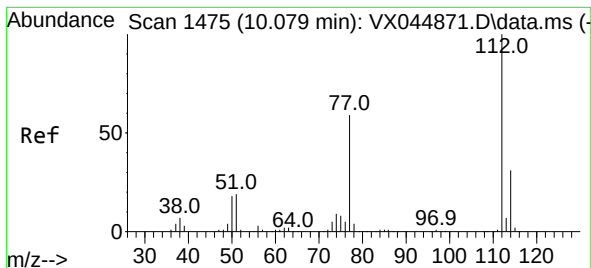
Tgt Ion:117 Resp: 204751
Ion Ratio Lower Upper
117 100
82 59.4 47.5 71.3
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 49.206 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:164 Resp: 63537
Ion Ratio Lower Upper
164 100
166 125.5 100.4 150.6
129 99.9 79.9 119.9
131 94.9 75.9 113.9

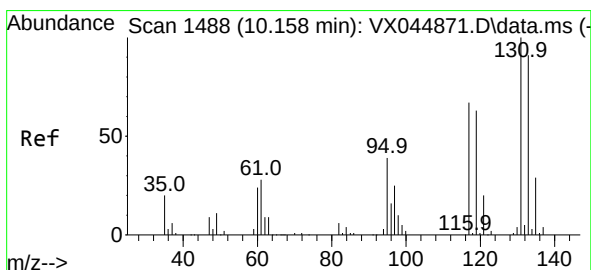
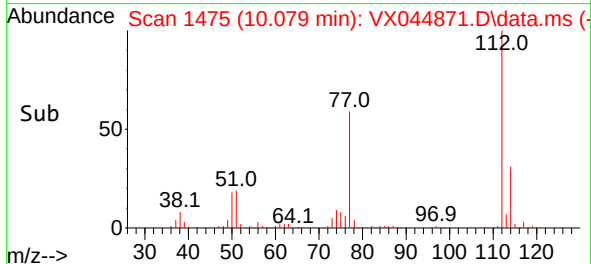
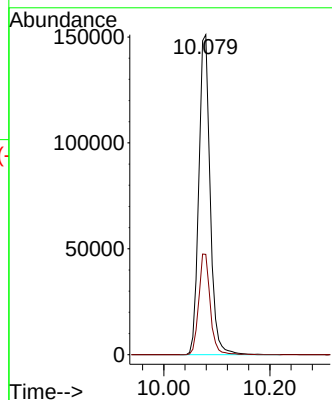
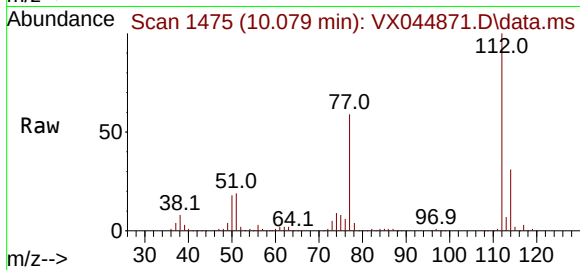




#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

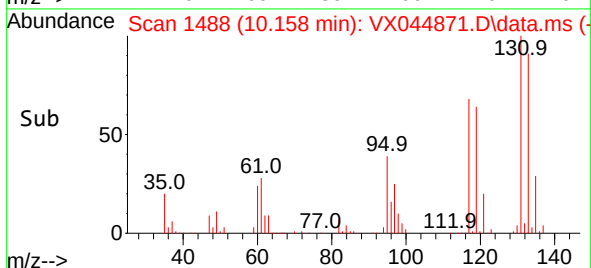
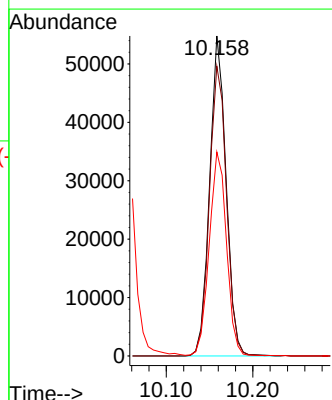
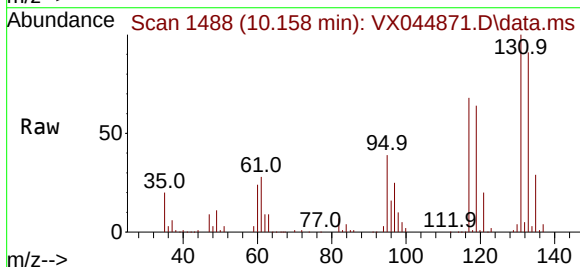
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

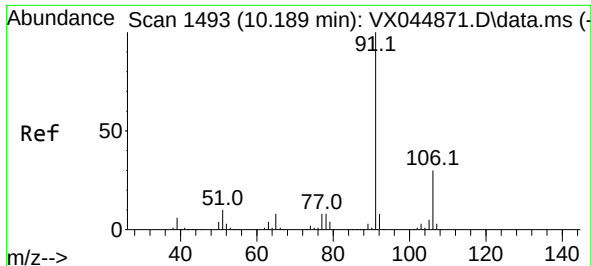
Tgt Ion:112 Resp: 224306
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.203 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:131 Resp: 72478
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 67.1 33.6 100.6

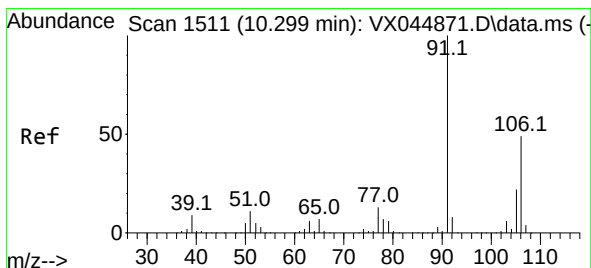
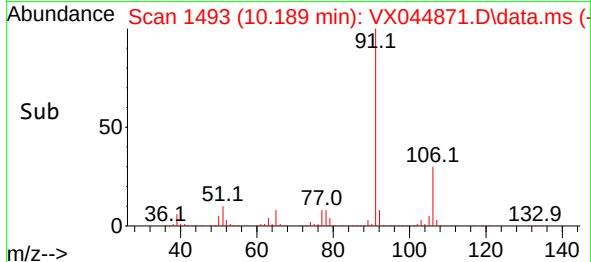
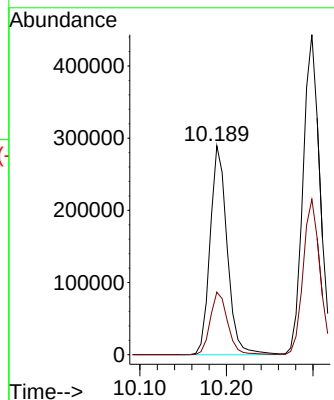
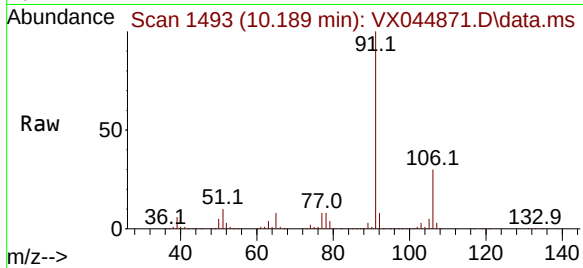




#67
Ethyl Benzene
Concen: 51.061 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

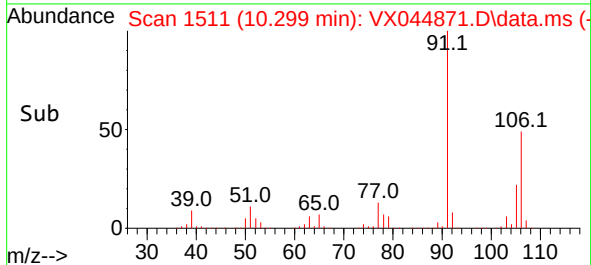
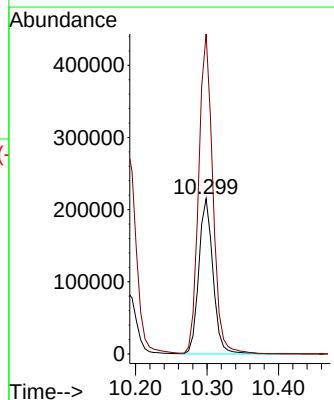
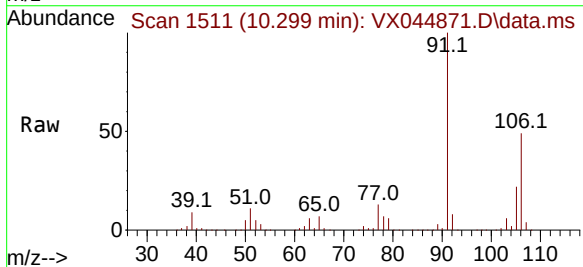
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

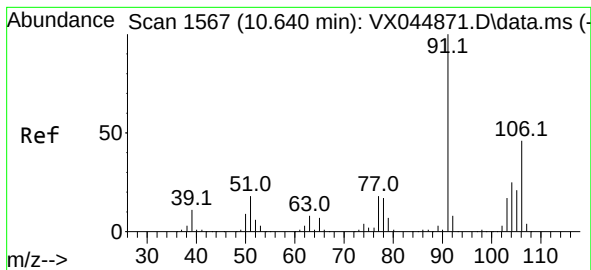
Tgt Ion: 91 Resp: 396269
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9



#68
m/p-Xylenes
Concen: 103.573 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 106 Resp: 296507
Ion Ratio Lower Upper
106 100
91 205.4 164.3 246.5

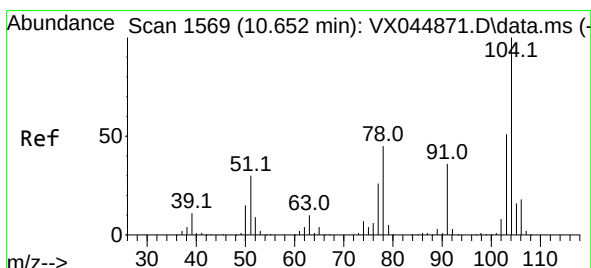
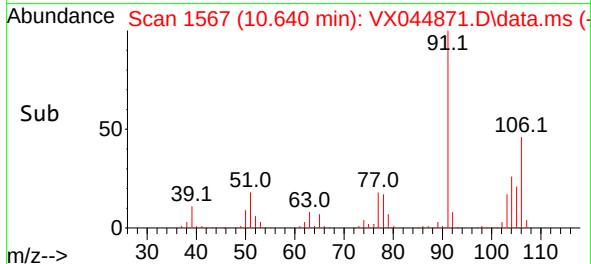
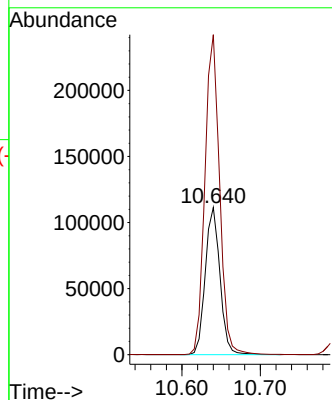
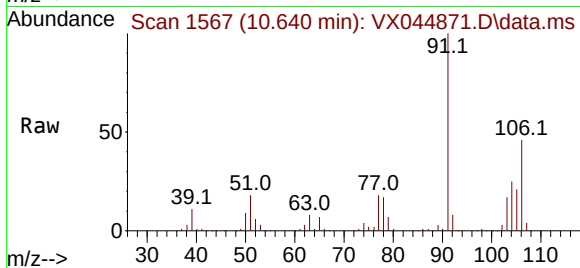




#69
o-Xylene
Concen: 50.409 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

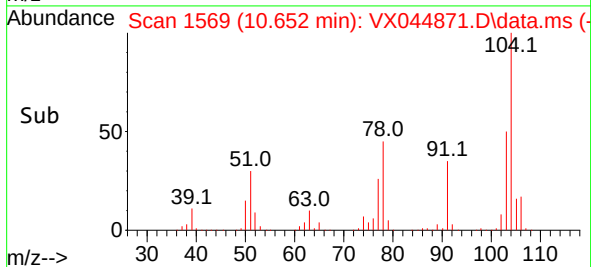
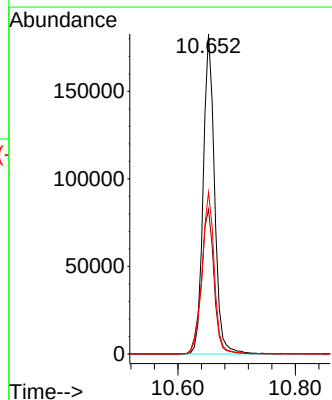
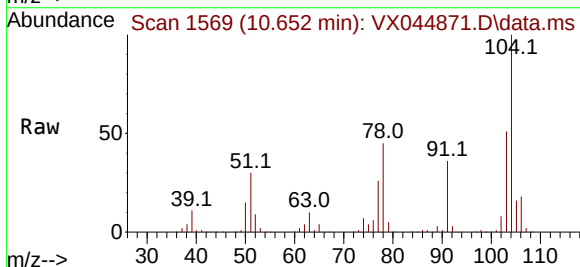
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

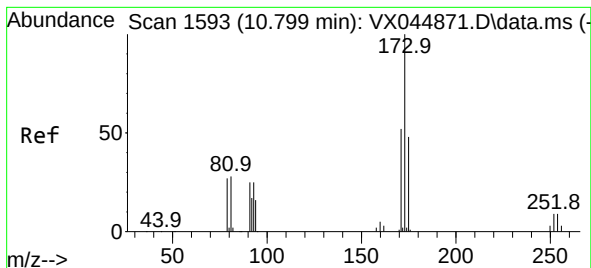
Tgt Ion:106 Resp: 144802
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5



#70
Styrene
Concen: 53.051 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:104 Resp: 245518
Ion Ratio Lower Upper
104 100
78 50.6 40.5 60.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 54.352 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

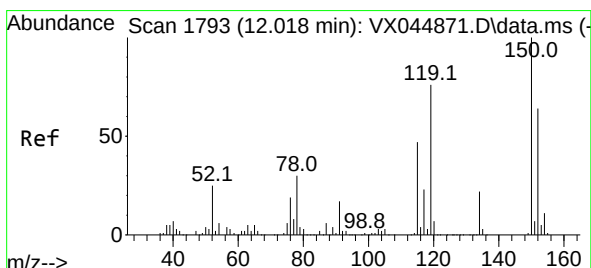
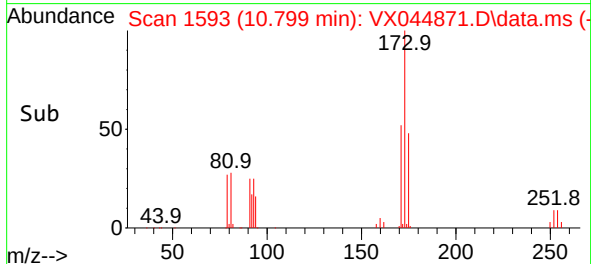
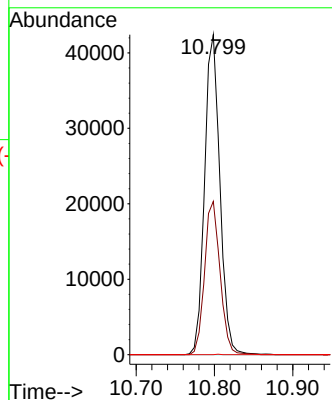
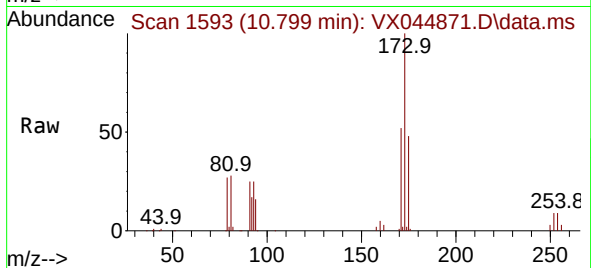
Tgt Ion:173 Resp: 57417

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

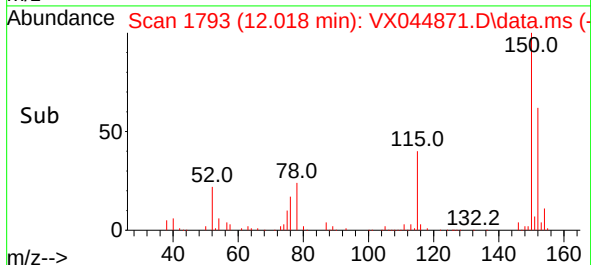
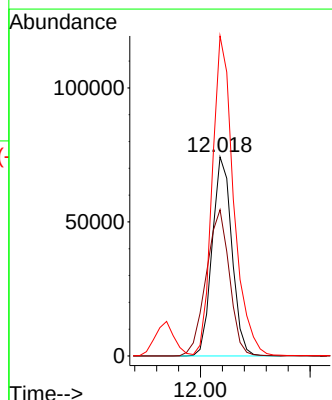
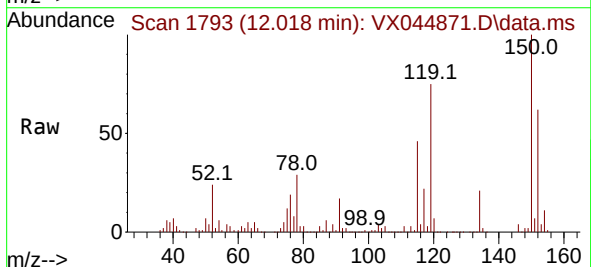
Tgt Ion:152 Resp: 92648

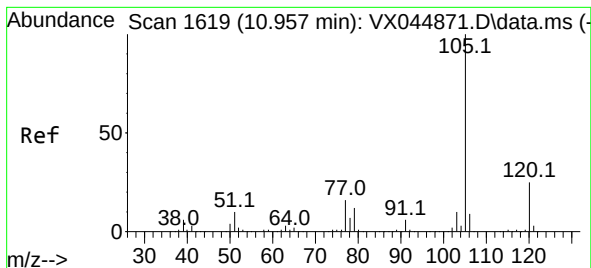
Ion Ratio Lower Upper

152 100

115 86.7 43.4 130.1

150 175.2 0.0 350.4





#73

Isopropylbenzene

Concen: 50.239 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

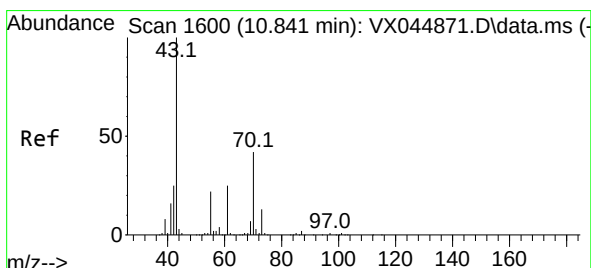
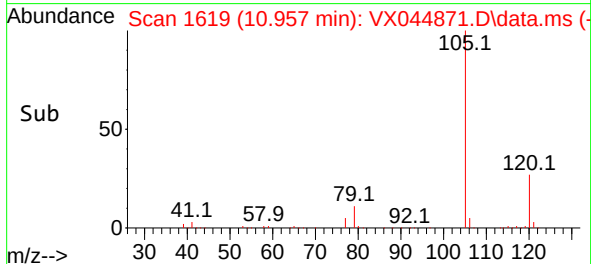
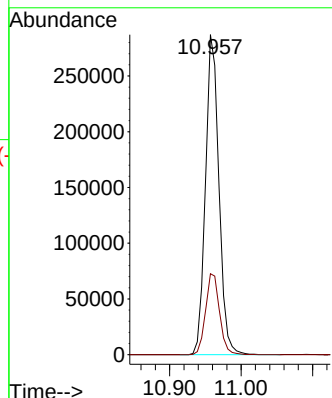
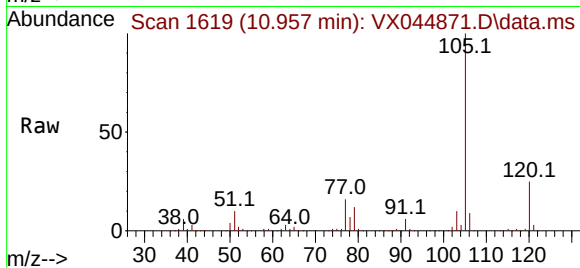
VSTDICCC050

Tgt Ion:105 Resp: 374776

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 52.189 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174

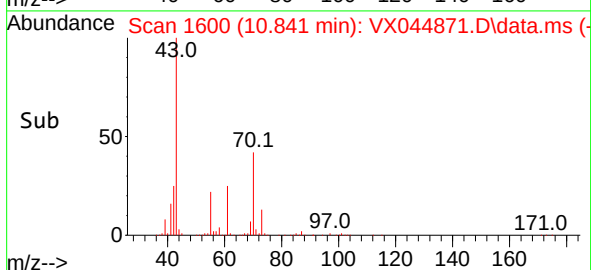
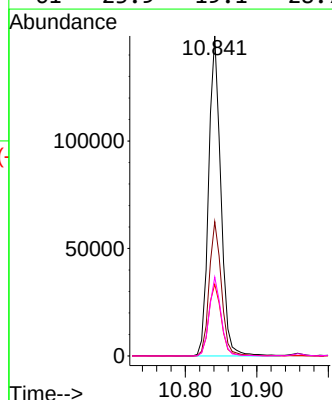
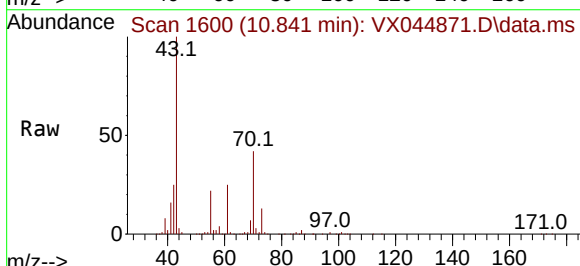
Ion Ratio Lower Upper

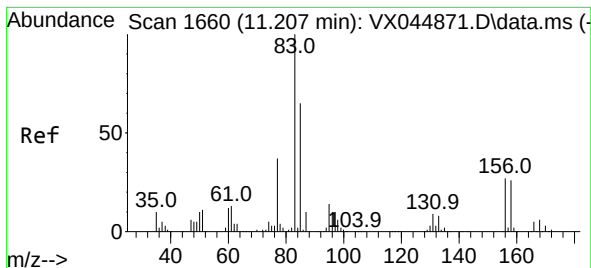
43 100

70 42.1 33.7 50.5

55 23.2 18.6 27.8

61 23.9 19.1 28.7

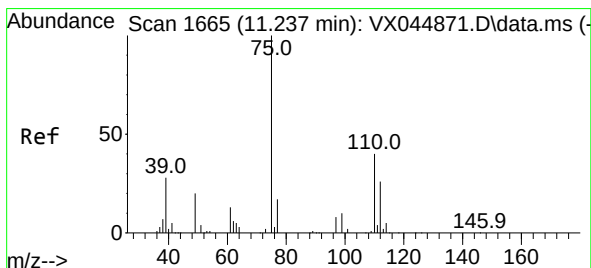
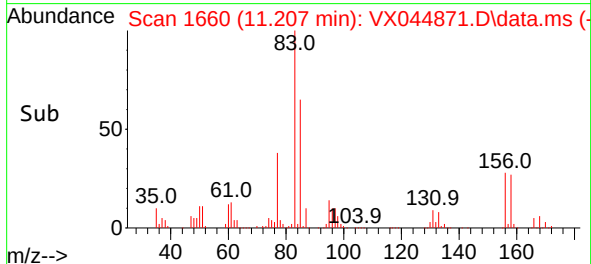
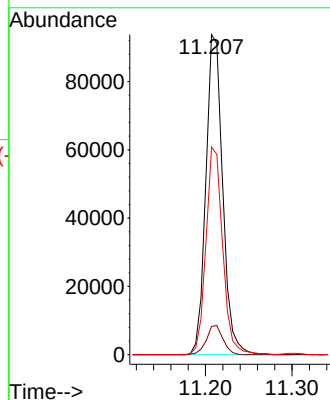
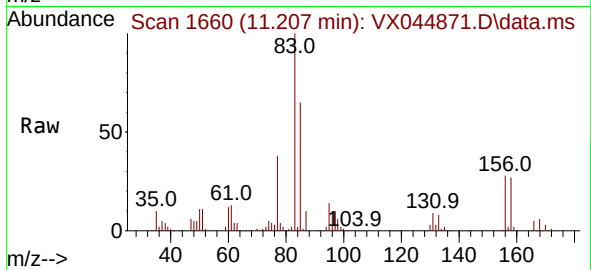




#75
1,1,2,2-Tetrachloroethane
Concen: 49.364 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

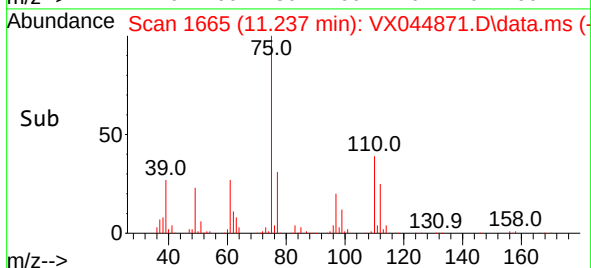
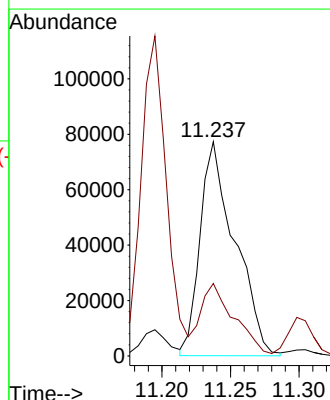
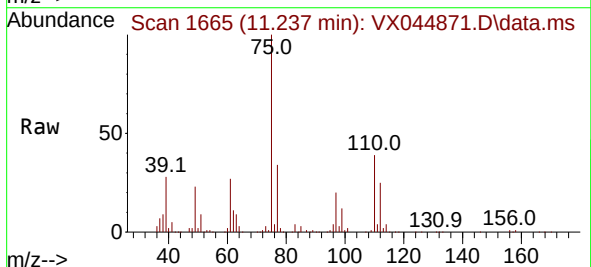
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

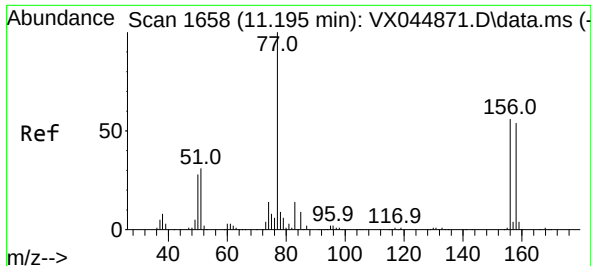
Tgt Ion: 83 Resp: 126542
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 64.5 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 66.637 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 136881
Ion Ratio Lower Upper
75 100
77 32.8 21.9 65.7

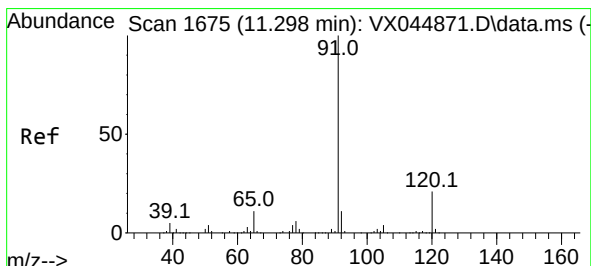
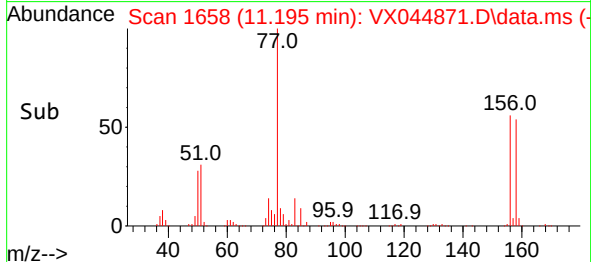
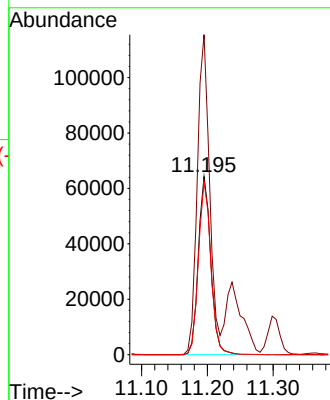
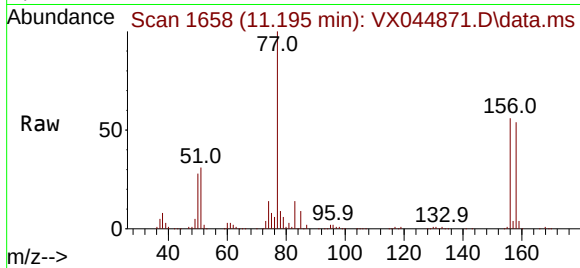




#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

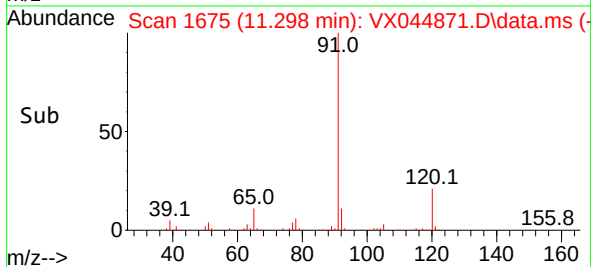
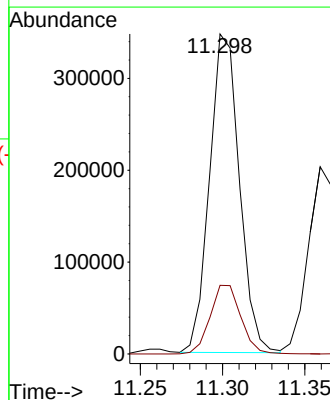
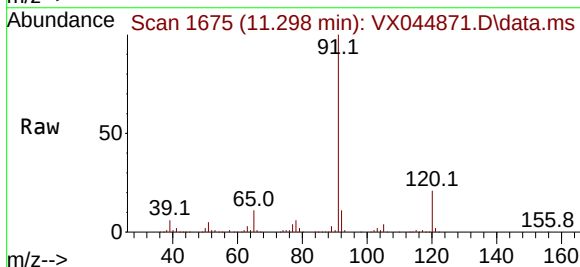
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

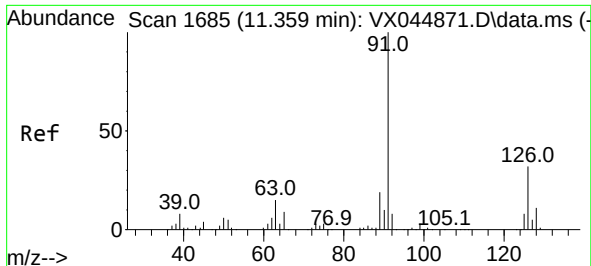
Tgt Ion:156 Resp: 84448
Ion Ratio Lower Upper
156 100
77 176.9 88.4 265.3
158 96.8 48.4 145.2



#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 437572
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3

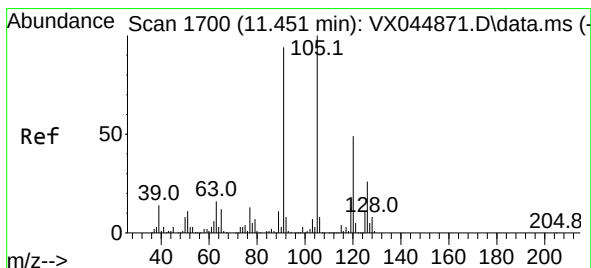
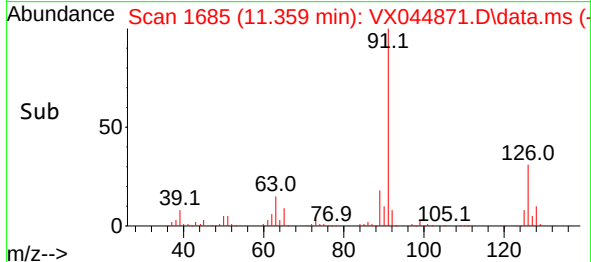
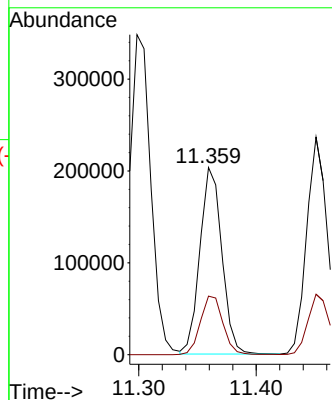
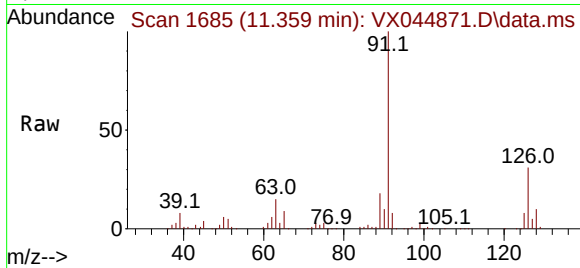




#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

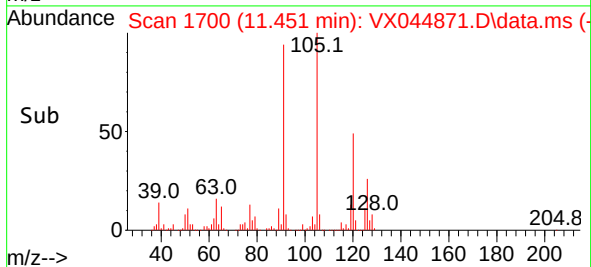
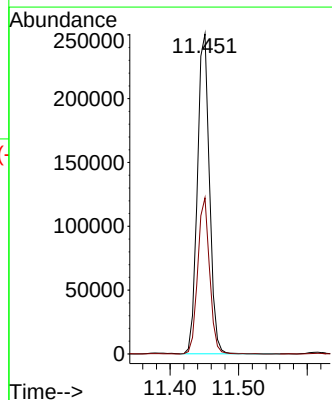
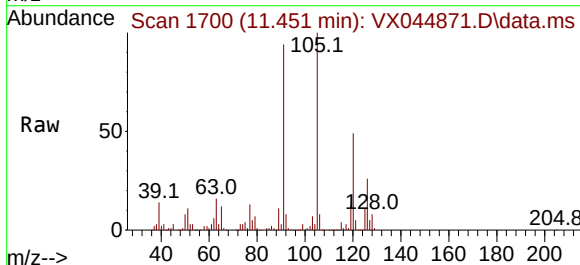
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

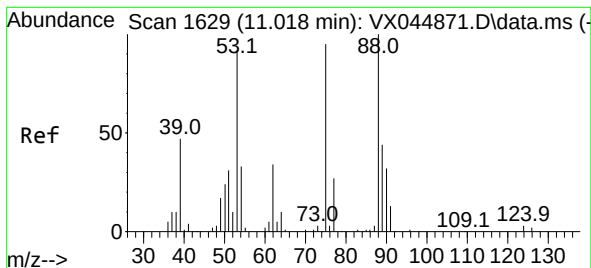
Tgt Ion: 91 Resp: 263269
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 50.789 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 105 Resp: 307465
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0

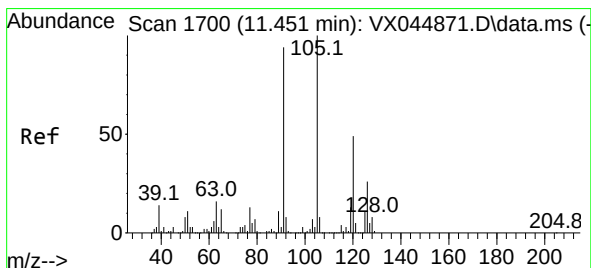
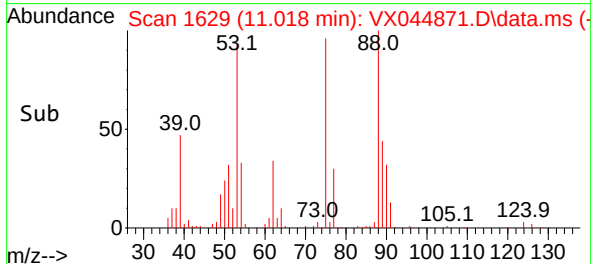
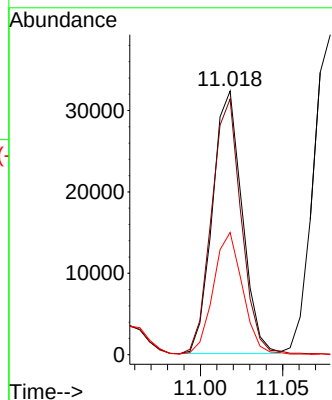
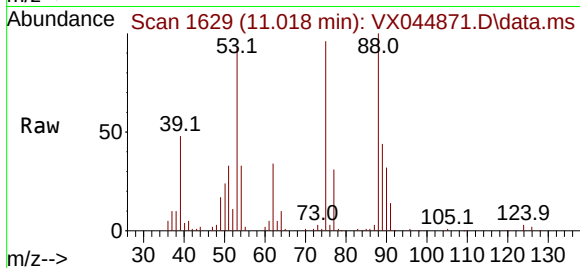




#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

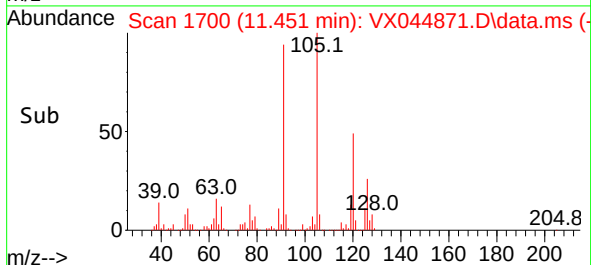
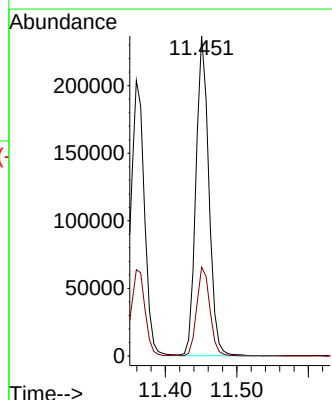
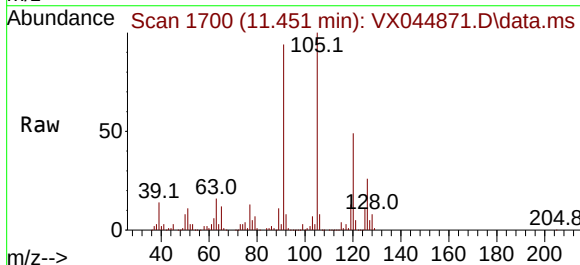
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

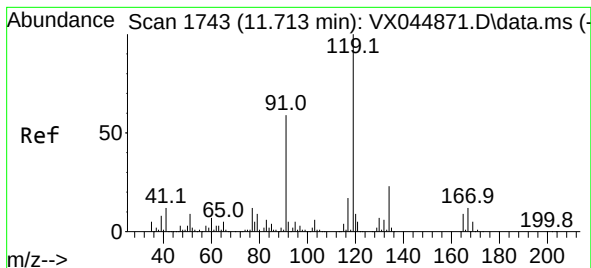
Tgt Ion: 75 Resp: 40487
Ion Ratio Lower Upper
75 100
53 97.5 78.0 117.0
89 45.7 36.6 54.8



#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6

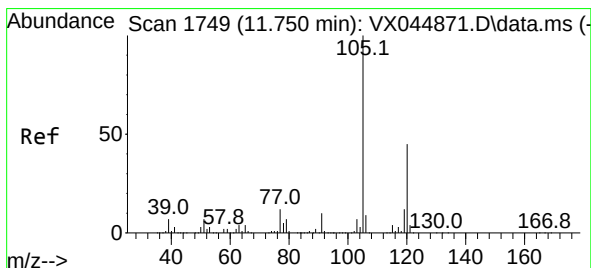
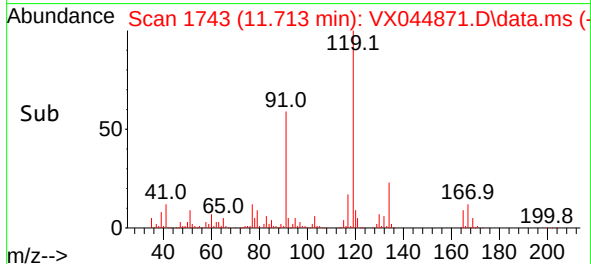
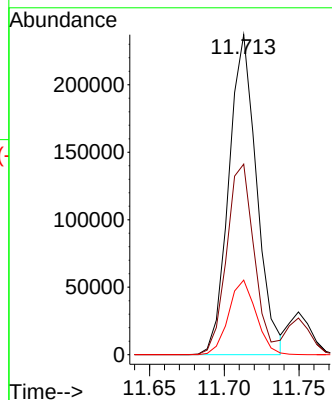
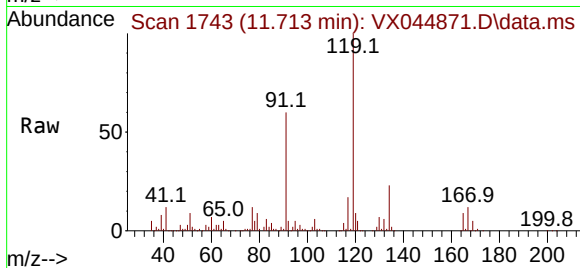




#83
tert-Butylbenzene
Concen: 50.102 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

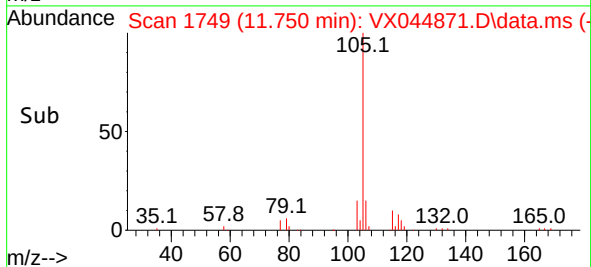
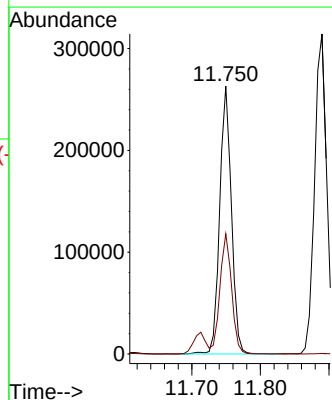
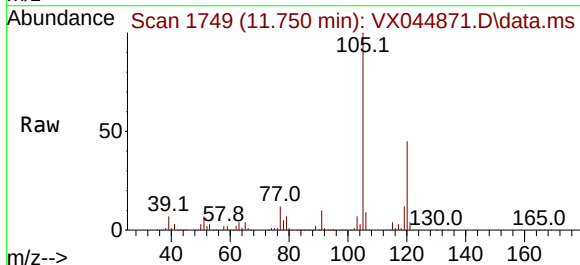
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

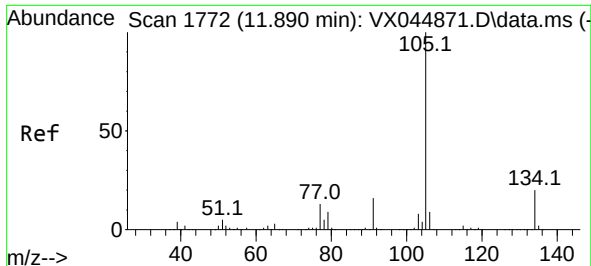
Tgt Ion:119 Resp: 306830
Ion Ratio Lower Upper
119 100
91 58.3 29.1 87.4
134 23.0 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 52.085 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 311205
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.0

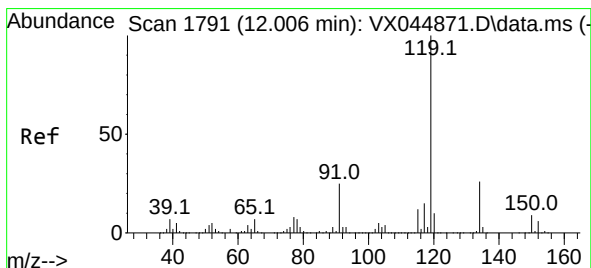
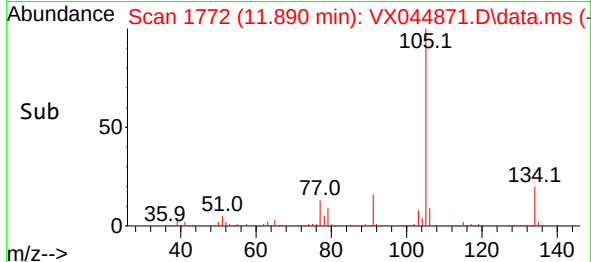
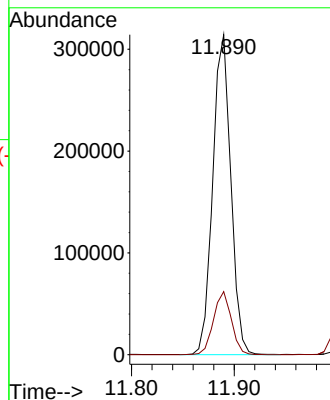
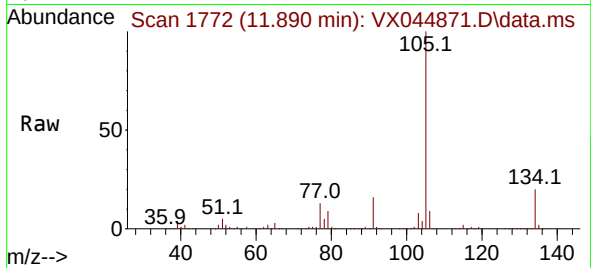




#85
sec-Butylbenzene
Concen: 50.657 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

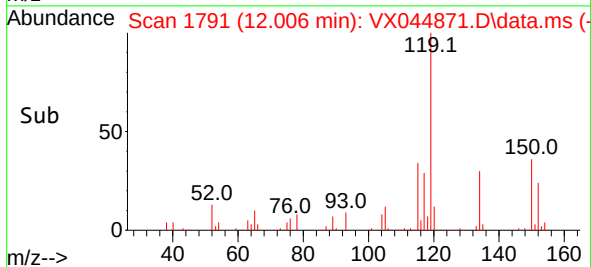
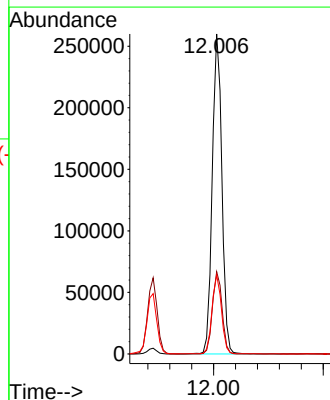
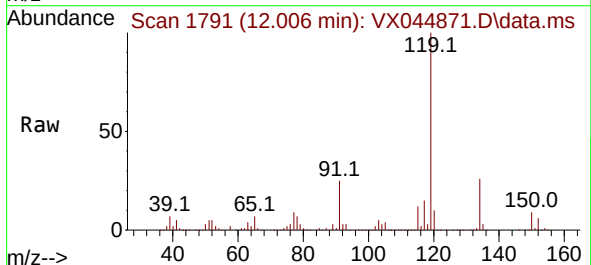
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

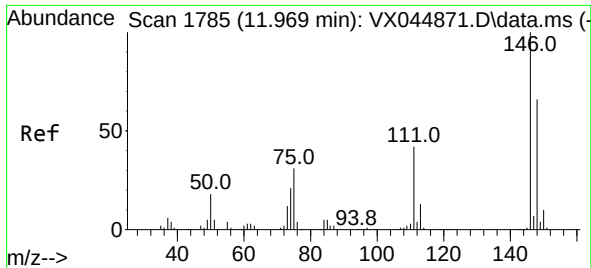
Tgt Ion:105 Resp: 384155
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3



#86
p-Isopropyltoluene
Concen: 51.689 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:119 Resp: 315226
Ion Ratio Lower Upper
119 100
134 25.9 13.0 38.9
91 24.2 12.1 36.3

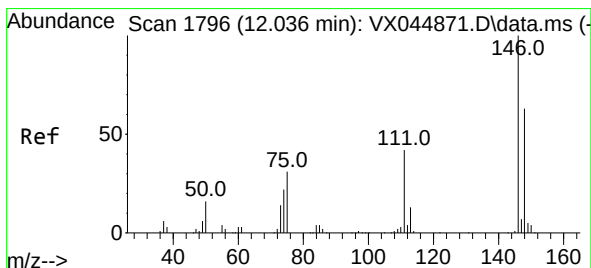
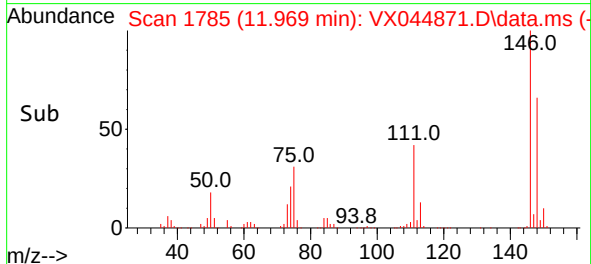
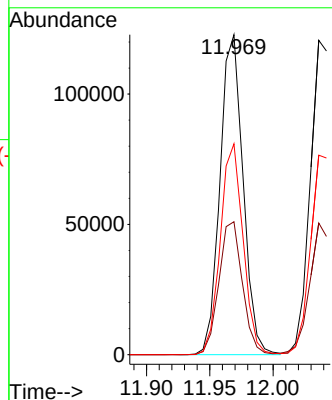
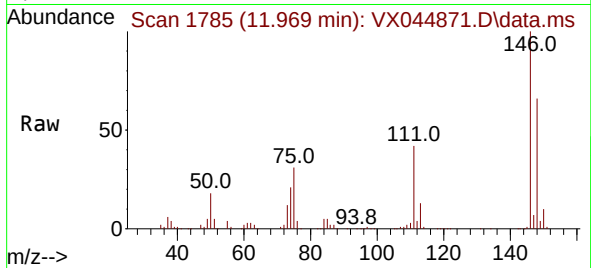




#87
1,3-Dichlorobenzene
Concen: 50.021 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

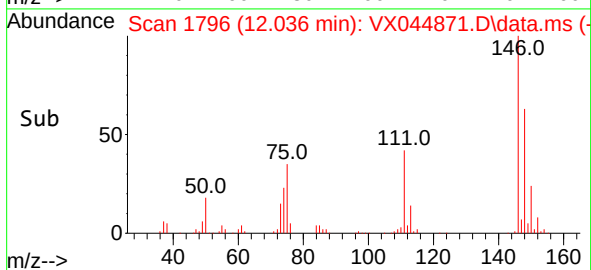
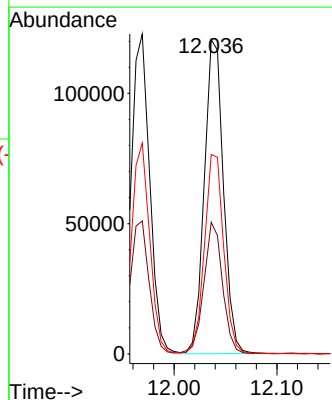
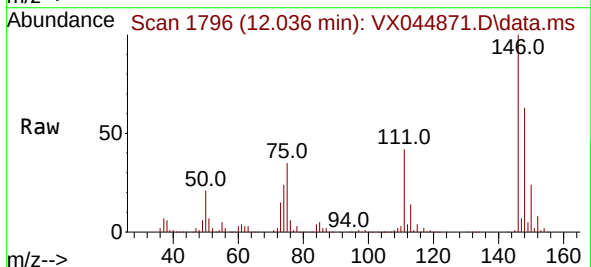
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

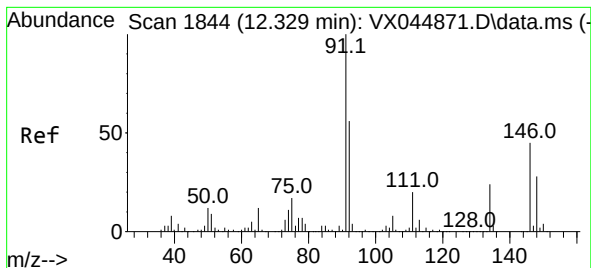
Tgt Ion:146 Resp: 155575
Ion Ratio Lower Upper
146 100
111 42.4 21.2 63.6
148 65.0 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 49.657 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 156162
Ion Ratio Lower Upper
146 100
111 40.9 20.4 61.3
148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 53.315 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

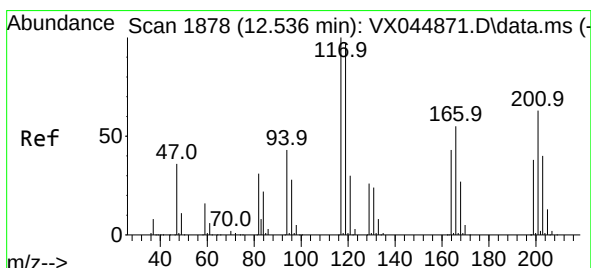
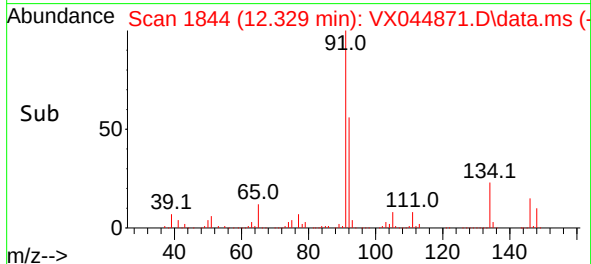
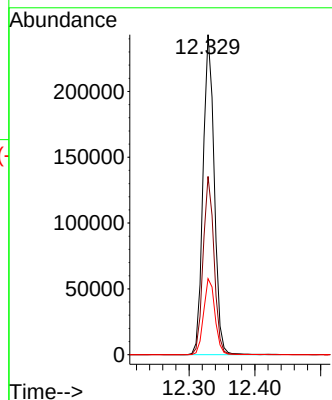
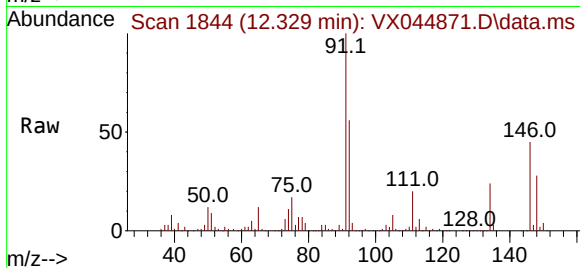
Tgt Ion: 91 Resp: 287649

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

134 24.2 12.1 36.3



#90

Hexachloroethane

Concen: 49.874 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044871.D

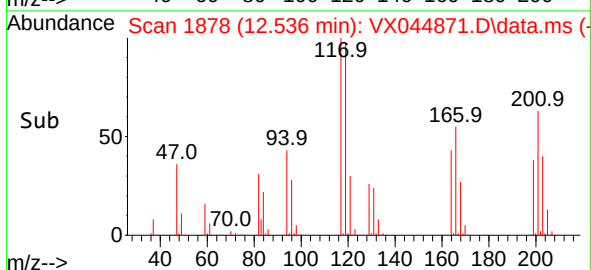
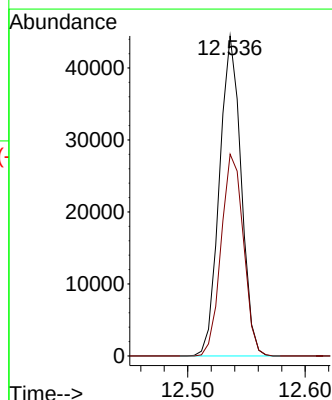
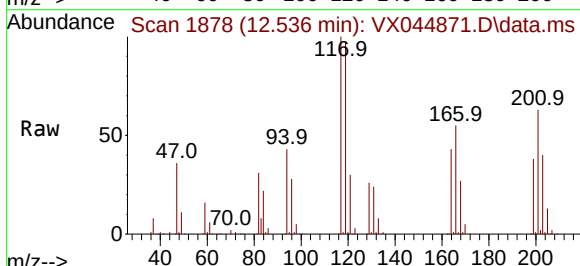
Acq: 10 Feb 2025 11:34

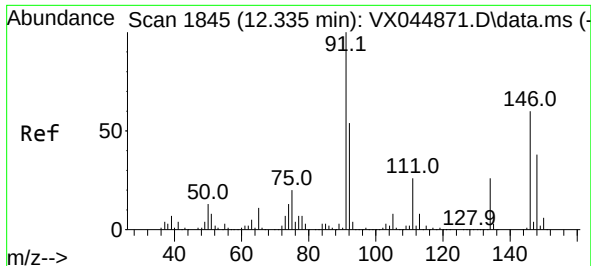
Tgt Ion: 117 Resp: 56951

Ion Ratio Lower Upper

117 100

201 65.0 32.5 97.5

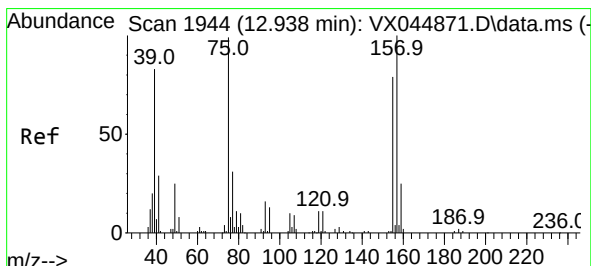
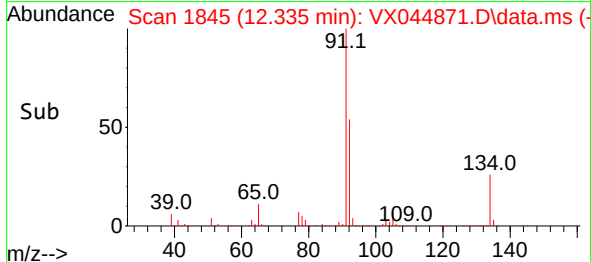
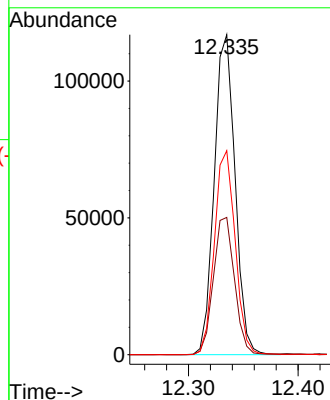
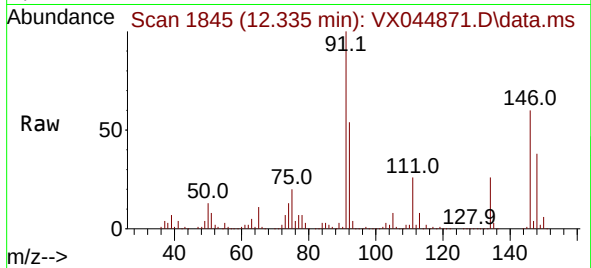




#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

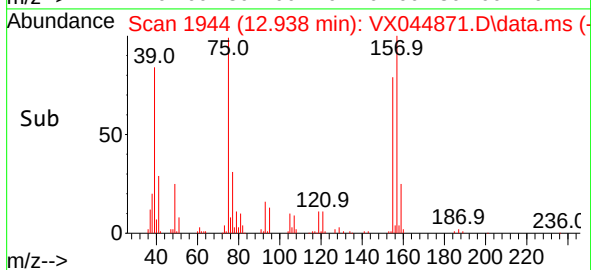
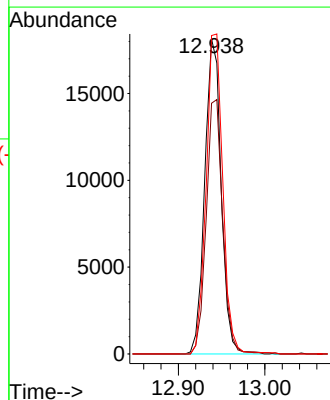
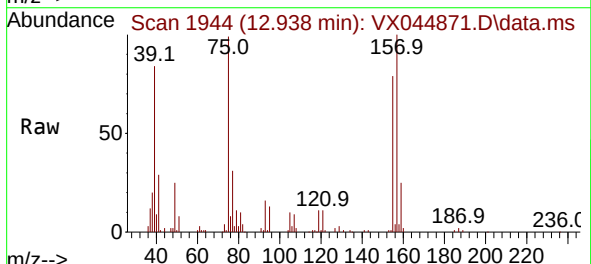
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

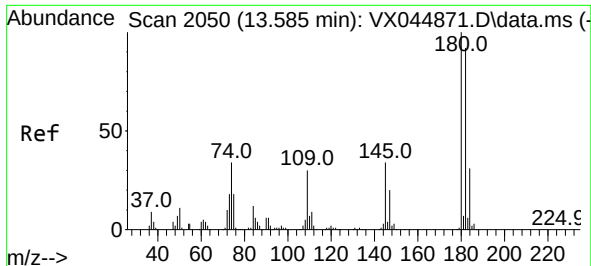
Tgt Ion:146 Resp: 154364
Ion Ratio Lower Upper
146 100
111 43.6 21.8 65.4
148 63.9 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924
Ion Ratio Lower Upper
75 100
155 80.9 40.5 121.4
157 102.9 51.4 154.3

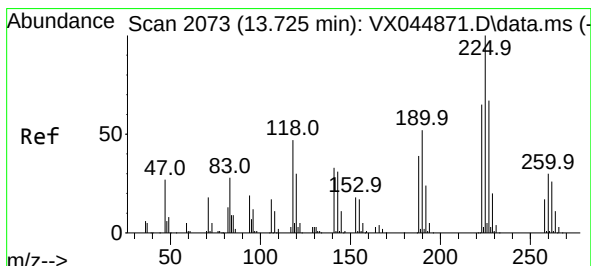
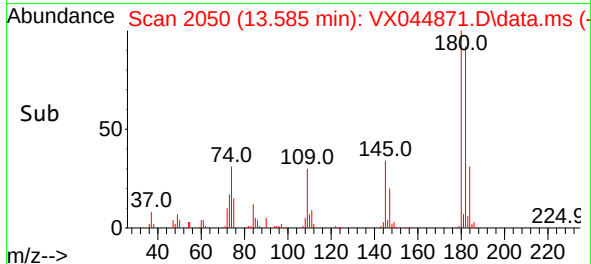
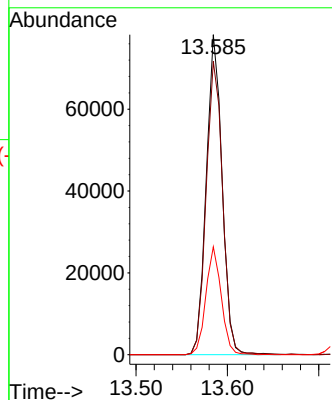
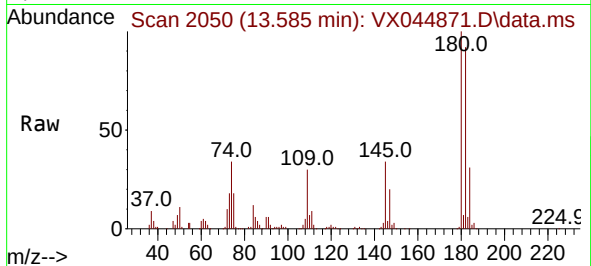




#93
1,2,4-Trichlorobenzene
Concen: 50.747 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

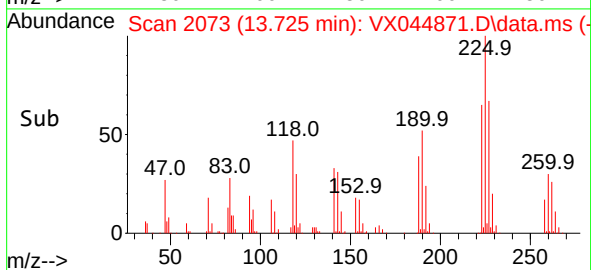
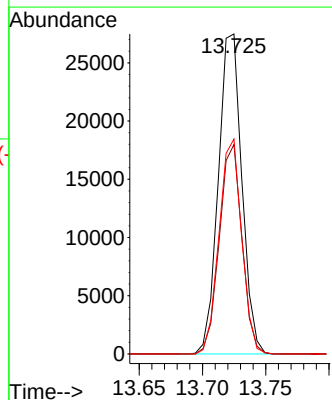
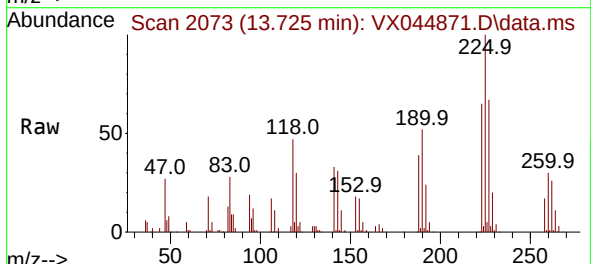
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

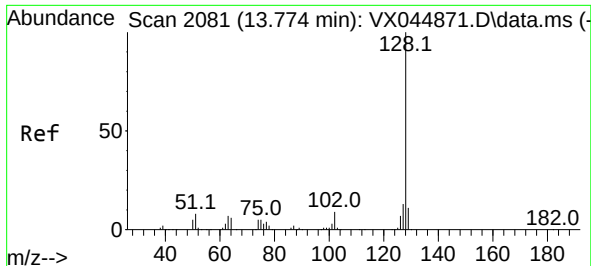
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	32.7	16.4	49.1



#94
Hexachlorobutadiene
Concen: 48.321 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.3	96.8

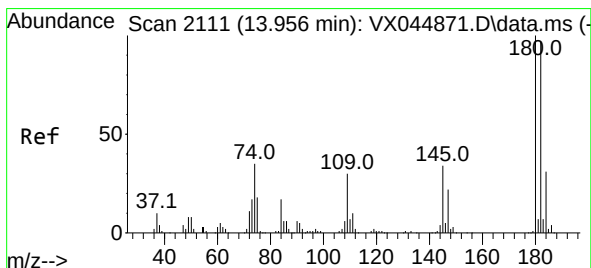
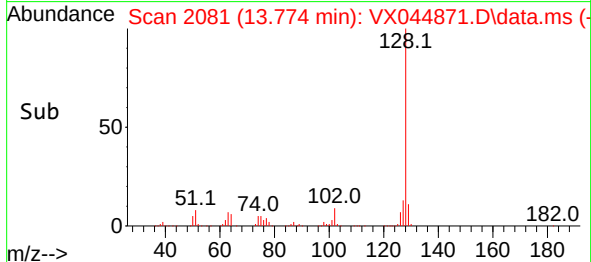
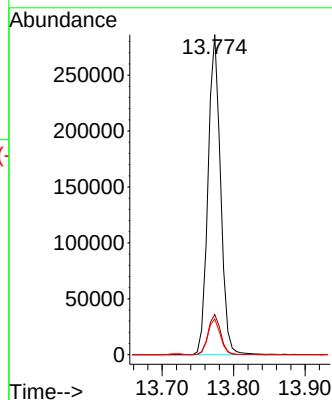
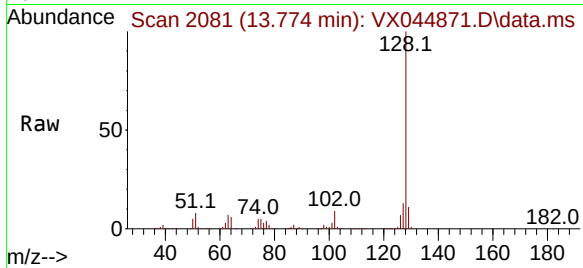




#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

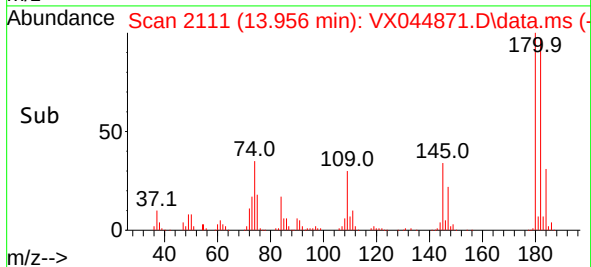
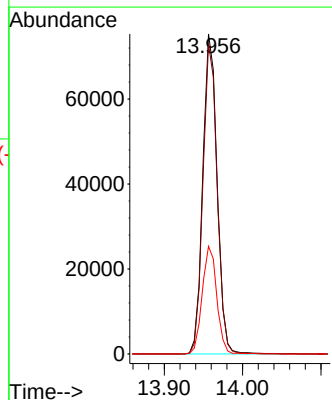
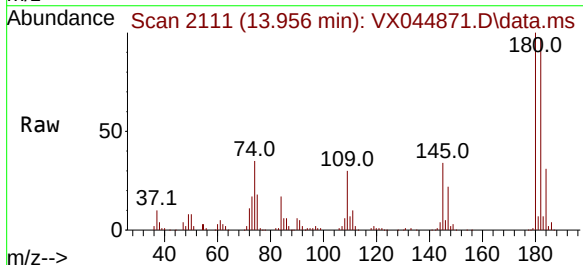
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 347645
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.245 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 95510
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 34.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 193.160%#	
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 196.800%#	
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 196.500%#	
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 200.160%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745	ug/l	99
42) 1,2-Dichloroethane	6.080	62	218174	98.875	ug/l	100
43) Isopropyl Acetate	6.336	43	405489	101.818	ug/l	100
44) Trichloroethene	7.117	130	156832	99.103	ug/l	96
45) 1,2-Dichloropropane	7.422	63	170337	98.893	ug/l	97
46) Dibromomethane	7.574	93	119149	99.747	ug/l	100
47) Bromodichloromethane	7.818	83	236506	102.254	ug/l	97
48) Methyl methacrylate	7.690	41	195892	104.321	ug/l	100
49) 1,4-Dioxane	7.659	88	77816	1931.508	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353	ug/l	100
52) Toluene	8.714	92	409318	99.270	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817	ug/l	100
56) Ethyl methacrylate	9.116	69	268693	104.958	ug/l	99
57) 1,3-Dichloropropane	9.305	76	273845	98.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405	ug/l	100
59) 2-Hexanone	9.427	43	871904	499.819	ug/l	99
60) Dibromochloromethane	9.519	129	173848	102.557	ug/l	100
61) 1,2-Dibromoethane	9.604	107	162982	101.451	ug/l	98
64) Tetrachloroethene	9.269	164	125294	97.447	ug/l	100
65) Chlorobenzene	10.073	112	436565	99.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728	ug/l	100
67) Ethyl Benzene	10.189	91	784184	101.477	ug/l	100
68) m/p-Xylenes	10.299	106	575559	201.907	ug/l	99
69) o-Xylene	10.640	106	281830	98.530	ug/l	100
70) Styrene	10.653	104	473403	102.728	ug/l	99
71) Bromoform	10.799	173	112371	106.827	ug/l #	99
73) Isopropylbenzene	10.957	105	719923	97.854	ug/l	99
74) N-amyl acetate	10.842	43	345193	103.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	265118	130.869	ug/l	82
77) Bromobenzene	11.195	156	163845	98.230	ug/l	100
78) n-propylbenzene	11.299	91	858793	101.132	ug/l	100
79) 2-Chlorotoluene	11.360	91	497149	95.257	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006	ug/l	98
82) 4-Chlorotoluene	11.451	91	569510	98.634	ug/l	100
83) tert-Butylbenzene	11.713	119	591396	97.917	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851	ug/l	99
85) sec-Butylbenzene	11.890	105	749534	100.219	ug/l	99
86) p-Isopropyltoluene	12.006	119	607577	101.019	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830	ug/l	99
89) n-Butylbenzene	12.329	91	583634	109.686	ug/l	100
90) Hexachloroethane	12.536	117	117533	104.365	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921	ug/l	99
94) Hexachlorobutadiene	13.725	225	74605	103.024	ug/l	99
95) Naphthalene	13.774	128	689104	104.505	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

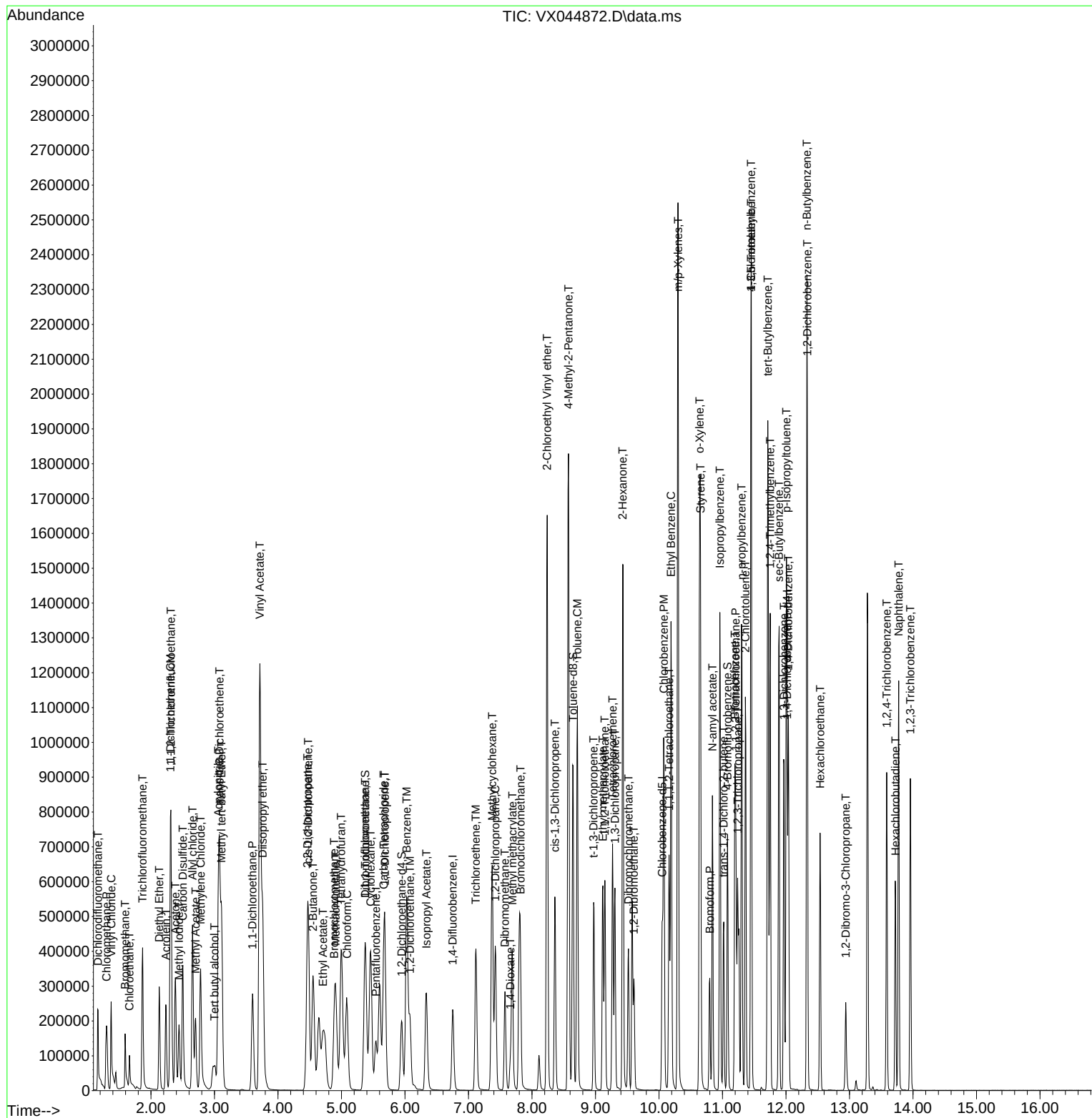
Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

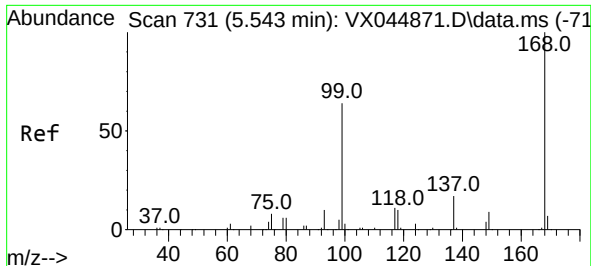
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

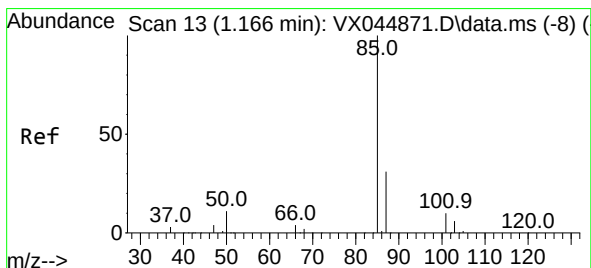
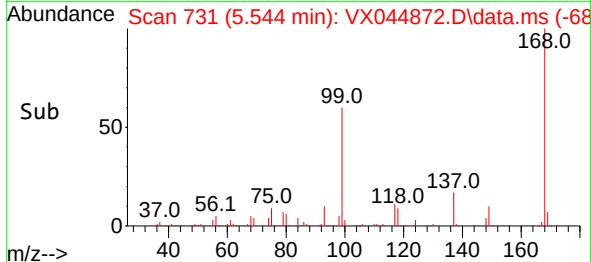
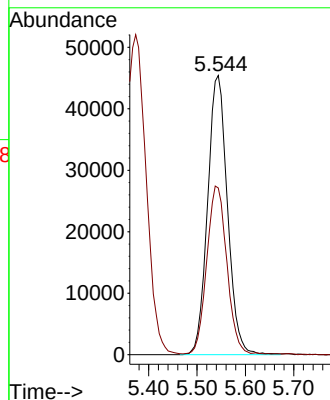
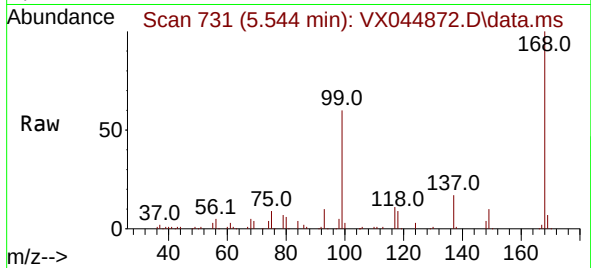




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

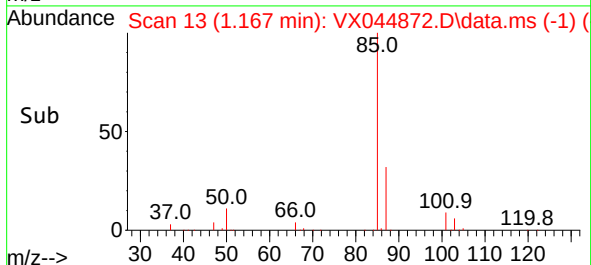
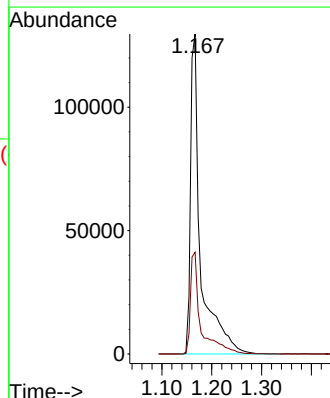
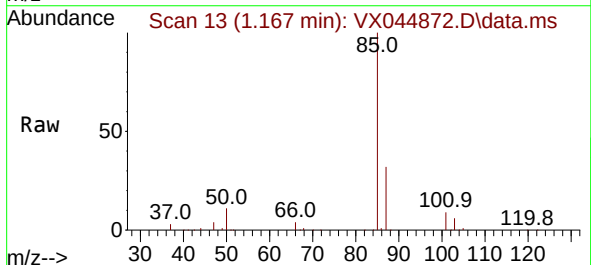
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

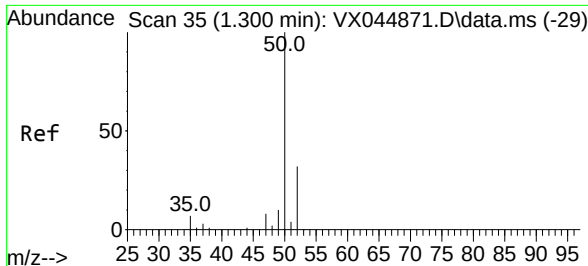
Tgt Ion:168 Resp: 129508
Ion Ratio Lower Upper
168 100
99 59.4 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.3

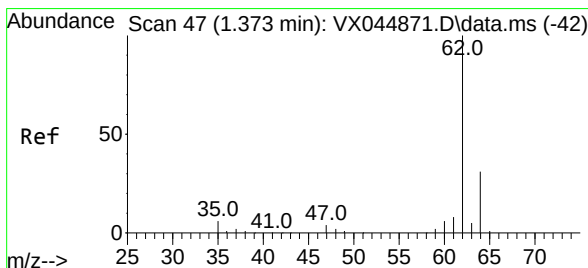
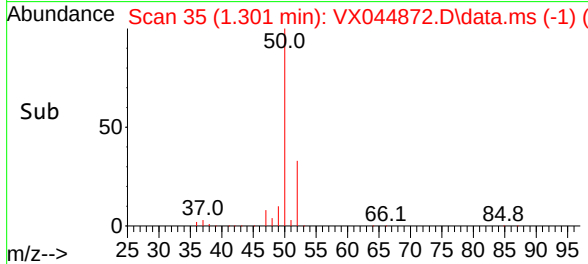
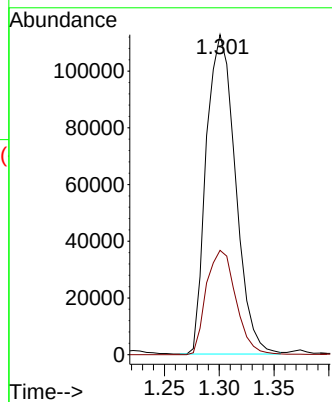
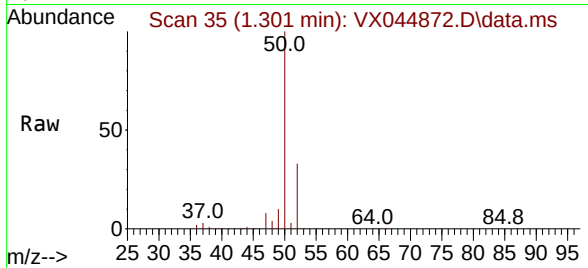




#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

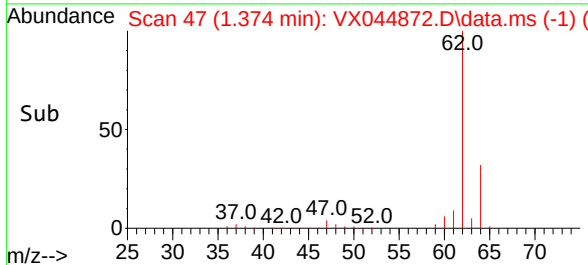
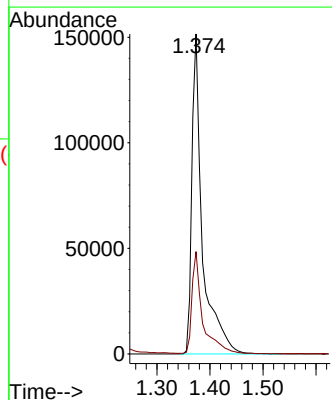
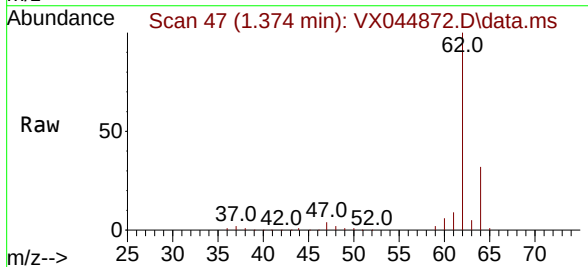
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

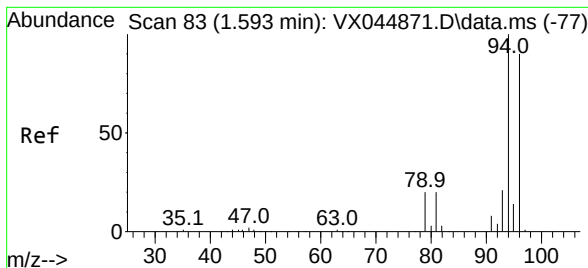
Tgt Ion: 50 Resp: 208416
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9



#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017
Ion Ratio Lower Upper
62 100
64 31.9 25.4 38.0

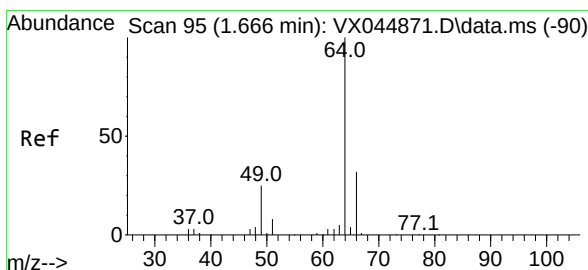
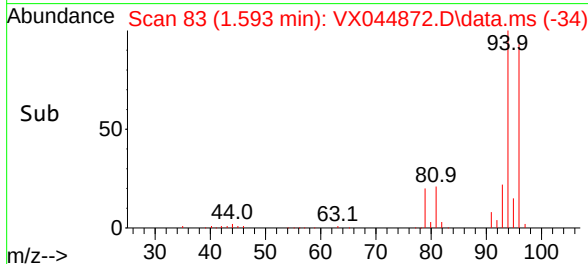
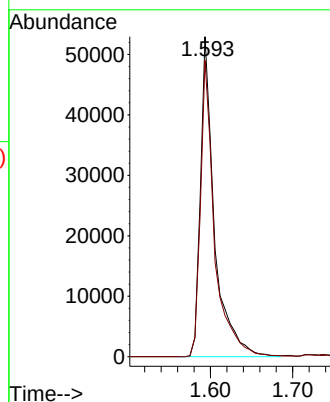
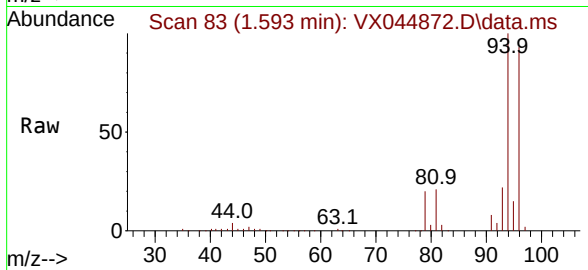




#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

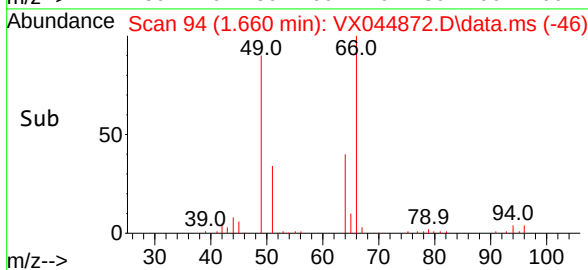
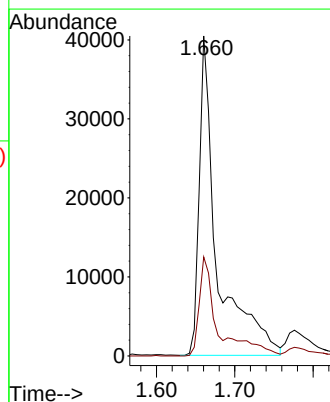
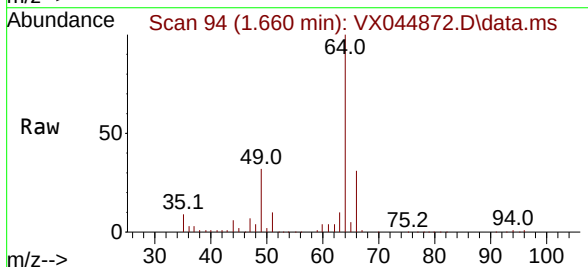
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

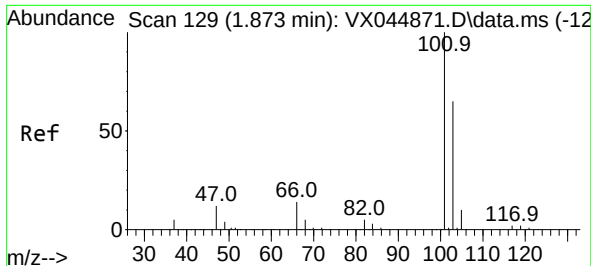
Tgt Ion: 94 Resp: 62797
Ion Ratio Lower Upper
94 100
96 92.6 71.6 107.4



#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581
Ion Ratio Lower Upper
64 100
66 31.0 25.9 38.9

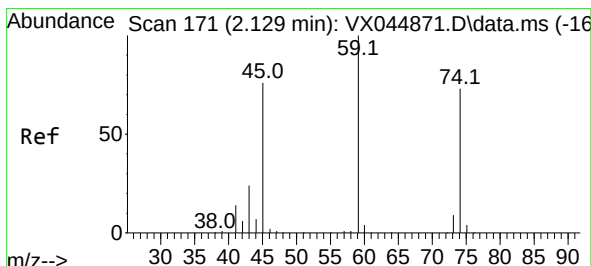
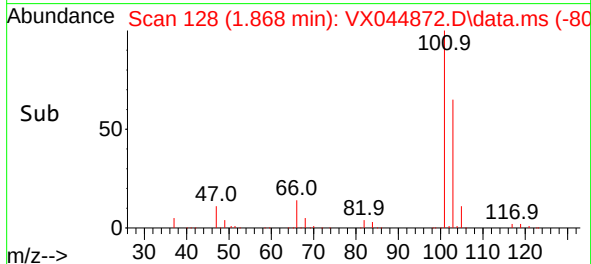
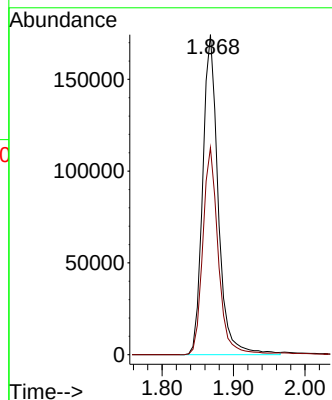
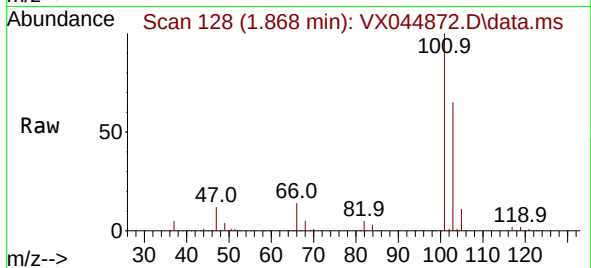




#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

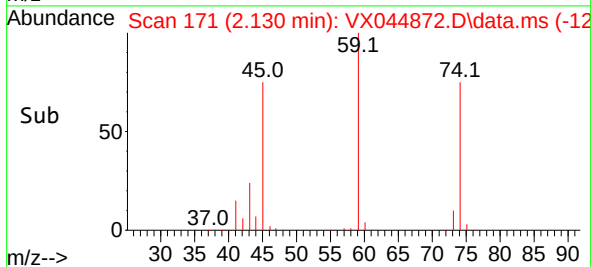
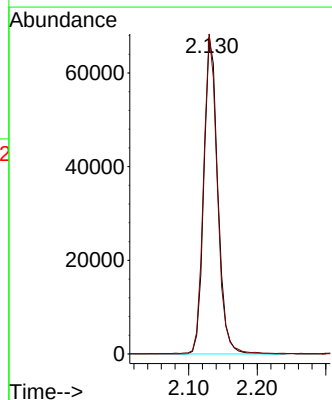
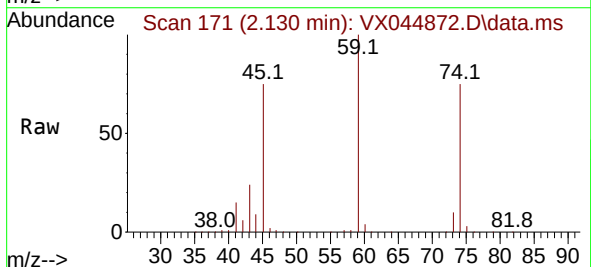
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

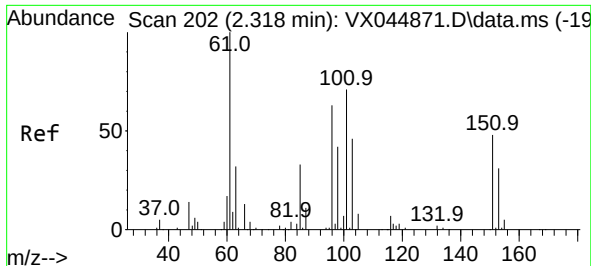
Tgt Ion:101 Resp: 262354
Ion Ratio Lower Upper
101 100
103 64.7 52.4 78.6



#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914
Ion Ratio Lower Upper
74 100
45 99.5 51.1 153.4

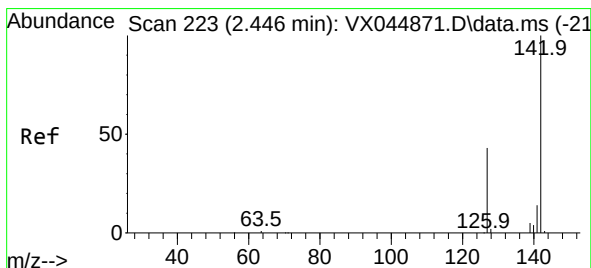
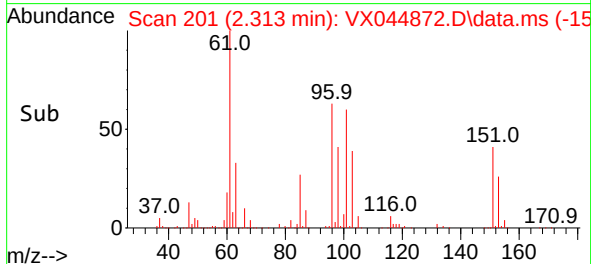
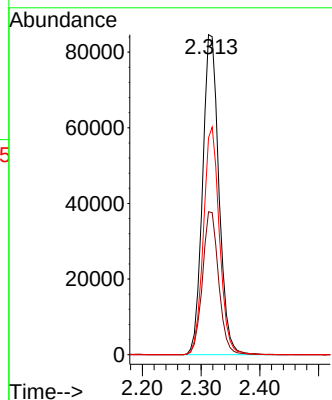
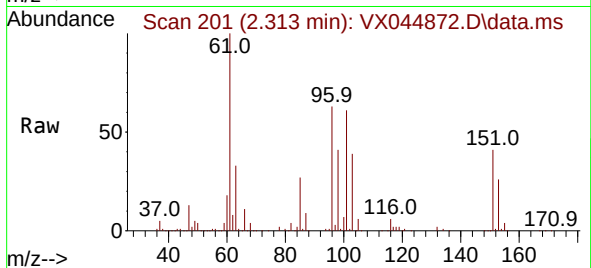




#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

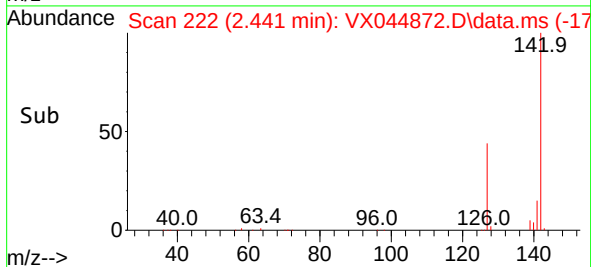
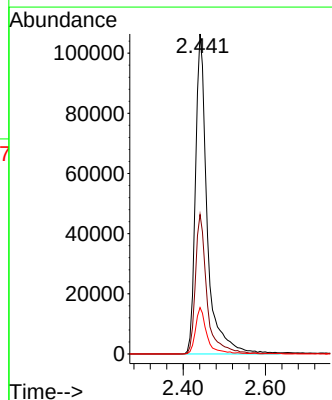
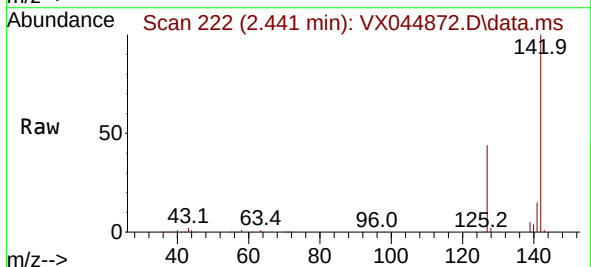
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

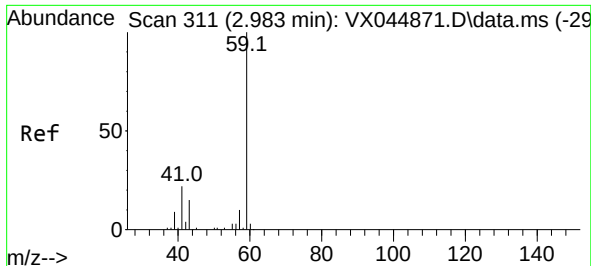
Tgt Ion:101 Resp: 163414
Ion Ratio Lower Upper
101 100
85 44.3 35.7 53.5
151 69.8 56.0 84.0



#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118
Ion Ratio Lower Upper
142 100
127 42.5 34.3 51.5
141 14.1 11.4 17.2

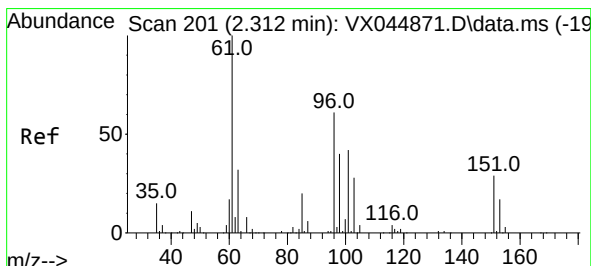
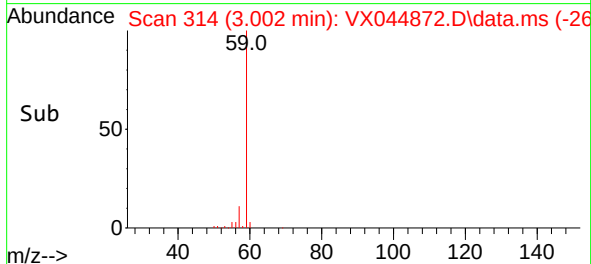
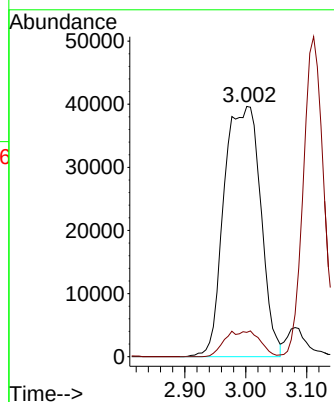
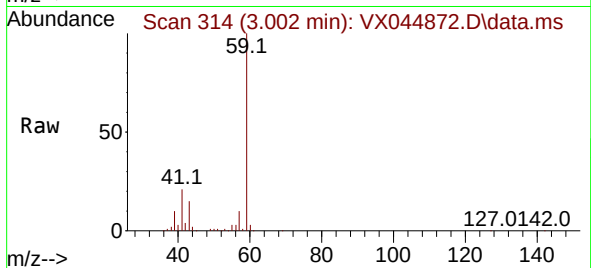




#11
Tert butyl alcohol
Concen: 469.903 ug/l
RT: 3.002 min Scan# 311
Delta R.T. 0.019 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

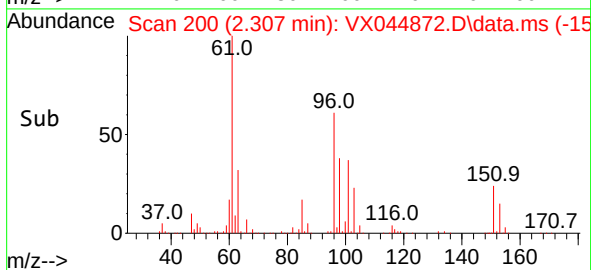
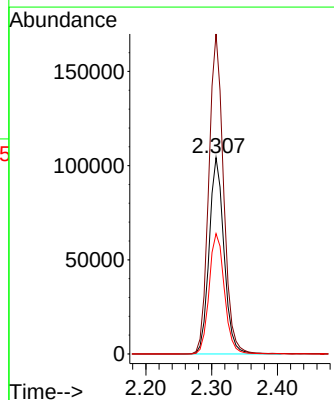
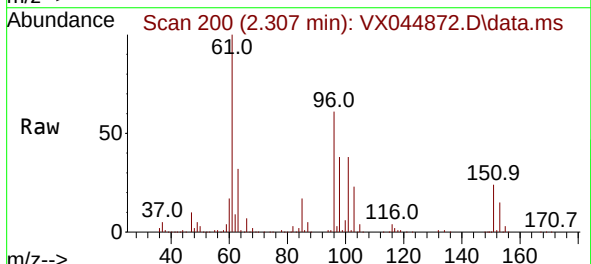
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

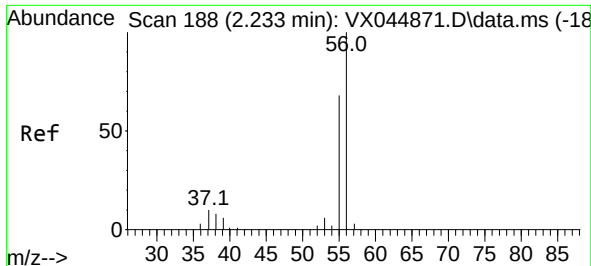
Tgt Ion: 59 Resp: 165263
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 98.004 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 163593
Ion Ratio Lower Upper
96 100
61 162.9 130.2 195.4
98 61.3 52.2 78.4

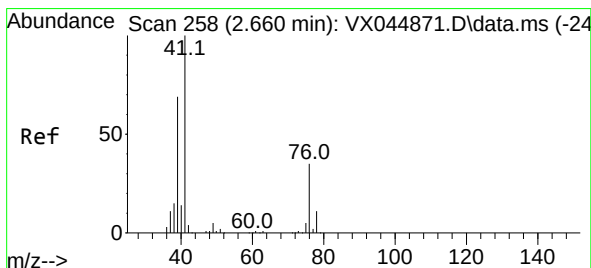
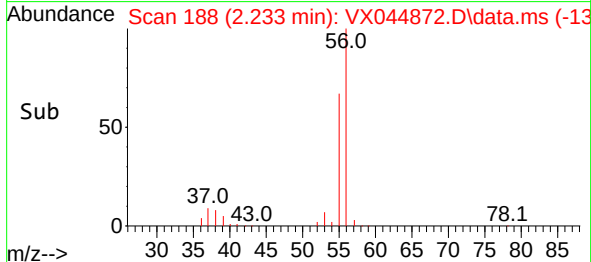
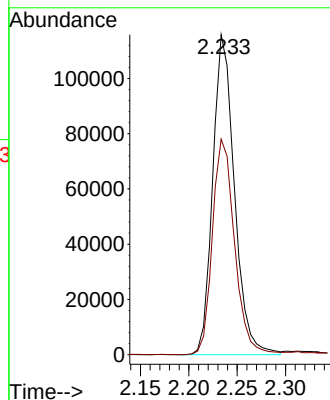
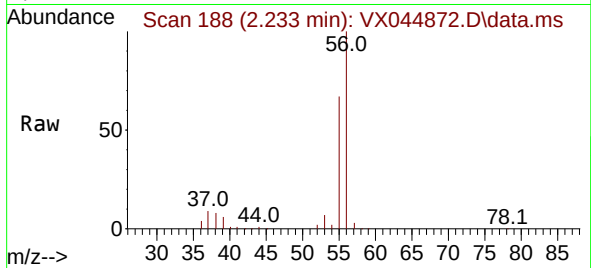




#13
Acrolein
Concen: 497.628 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

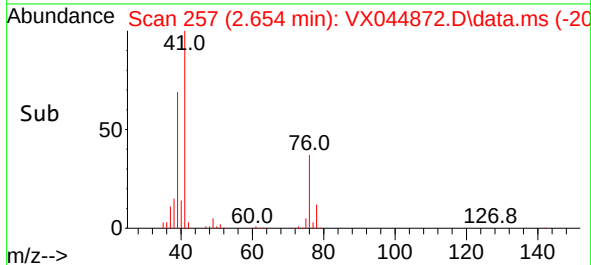
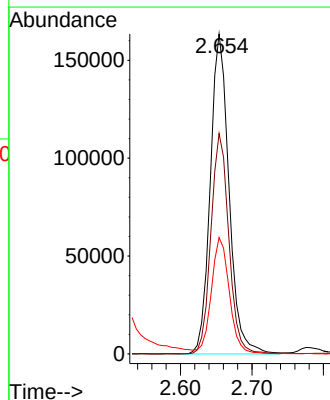
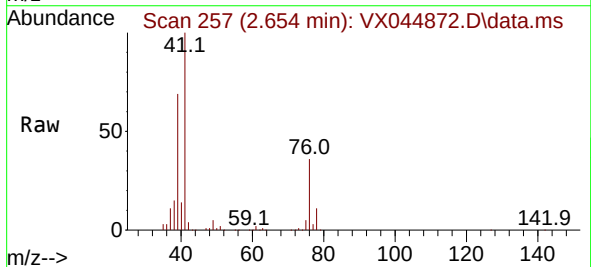
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

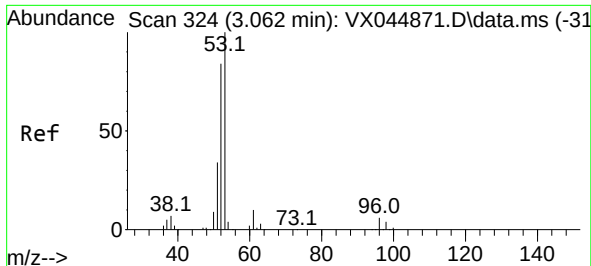
Tgt Ion: 56 Resp: 180570
Ion Ratio Lower Upper
56 100
55 68.9 55.7 83.5



#14
Allyl chloride
Concen: 98.624 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 297526
Ion Ratio Lower Upper
41 100
39 65.6 51.4 77.2
76 34.9 27.0 40.4

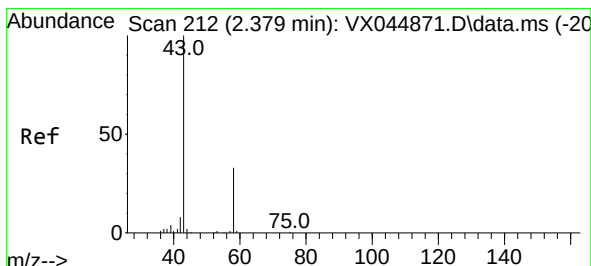
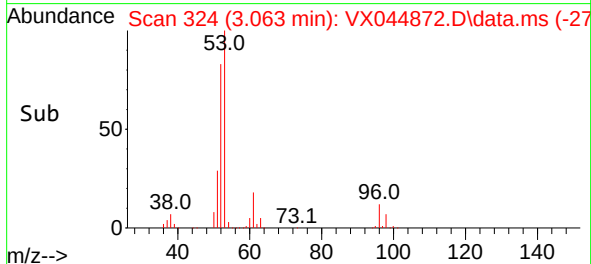
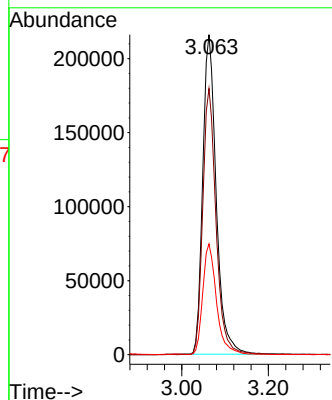
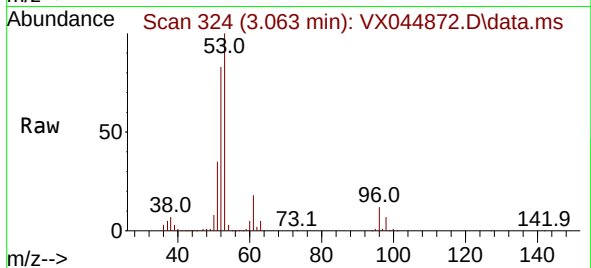




#15
Acrylonitrile
Concen: 497.173 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

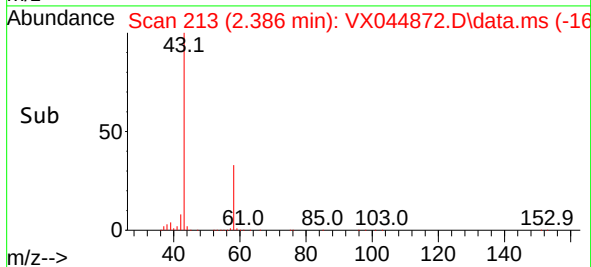
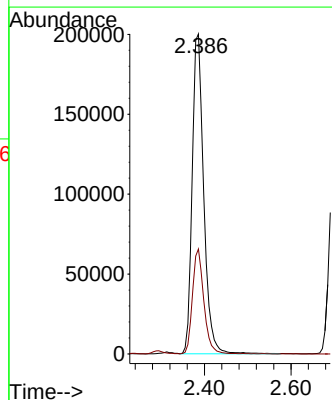
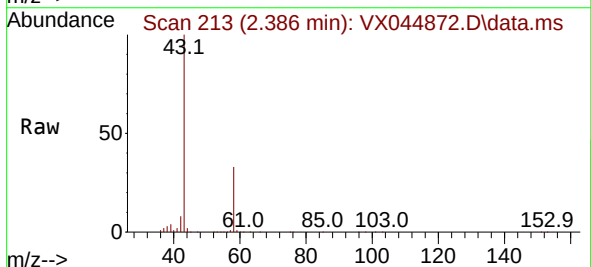
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

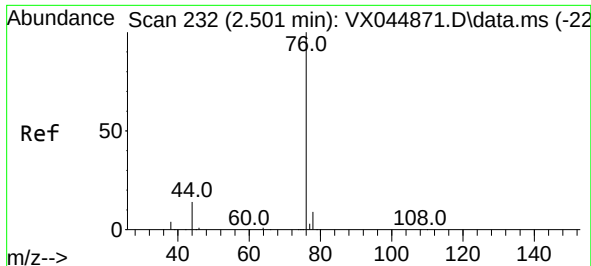
Tgt Ion: 53 Resp: 466855
Ion Ratio Lower Upper
53 100
52 82.4 65.0 97.6
51 34.9 28.0 42.0



#16
Acetone
Concen: 485.125 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 369720
Ion Ratio Lower Upper
43 100
58 32.8 26.5 39.7

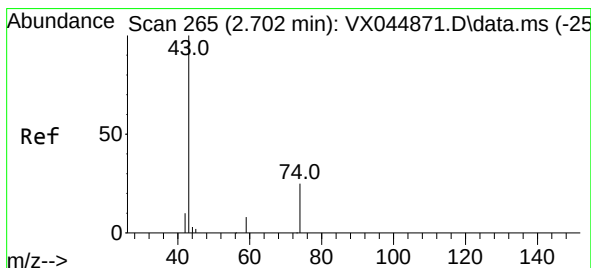
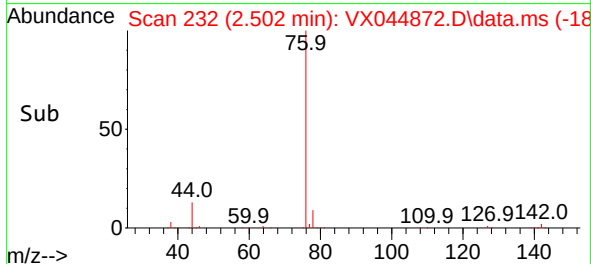
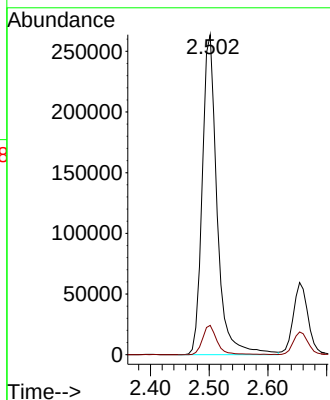
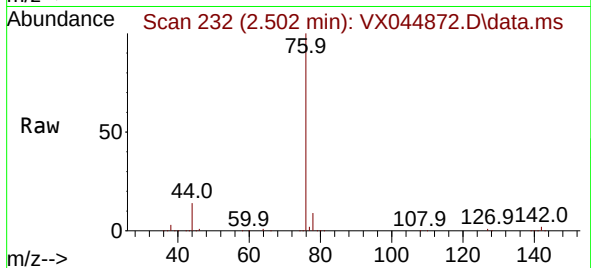




#17
Carbon Disulfide
Concen: 101.216 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

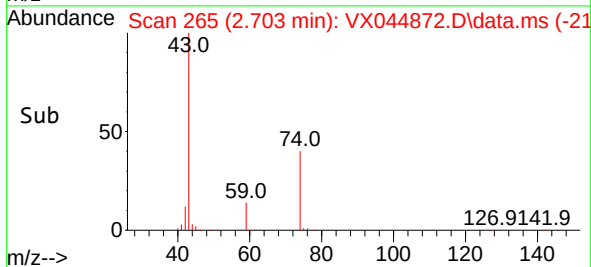
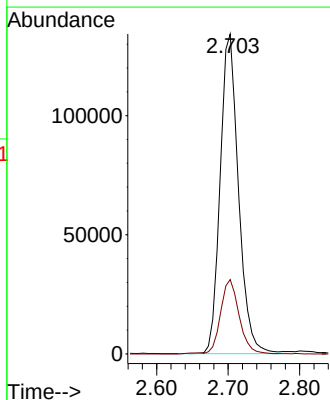
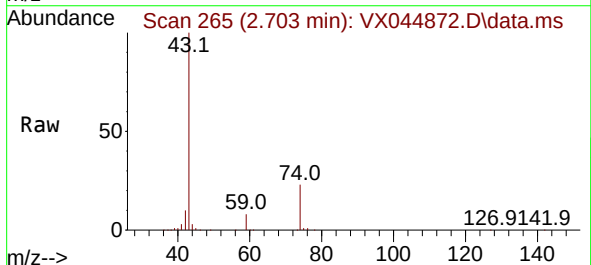
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

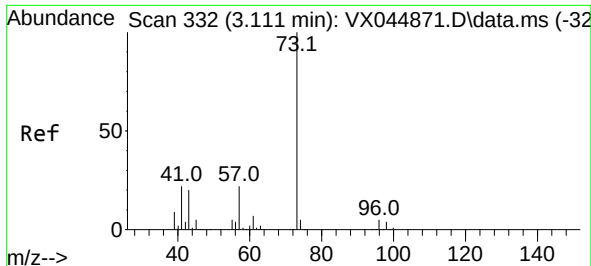
Tgt Ion: 76 Resp: 463308
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#18
Methyl Acetate
Concen: 99.249 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238689
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3

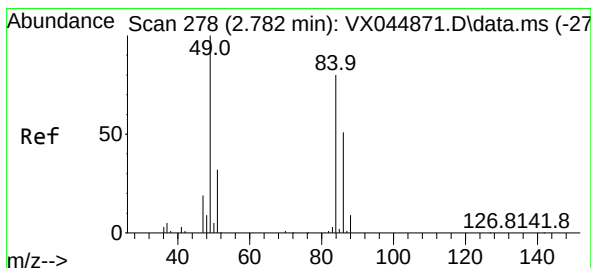
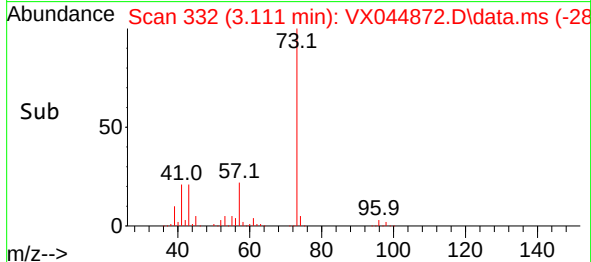
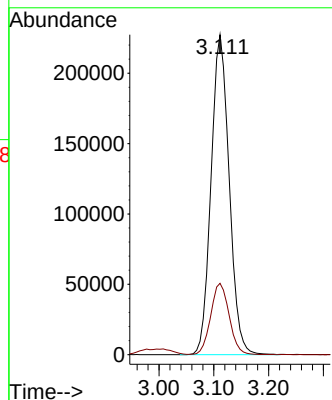
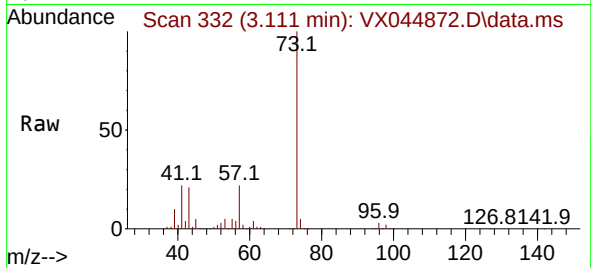




#19
Methyl tert-butyl Ether
Concen: 98.098 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

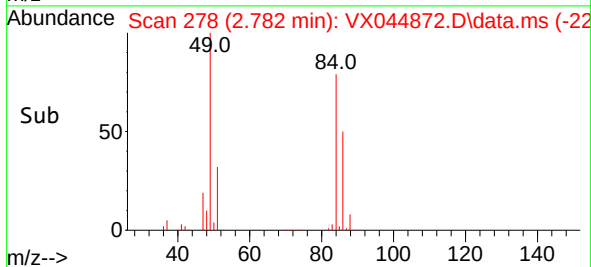
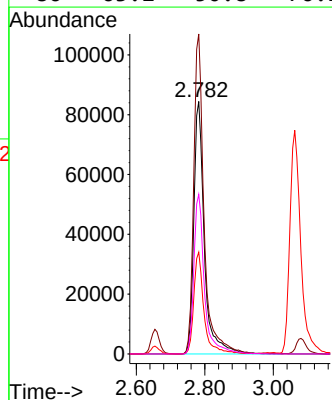
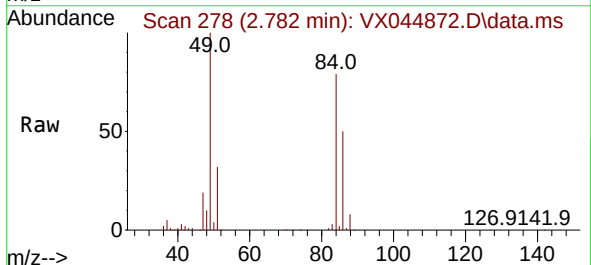
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

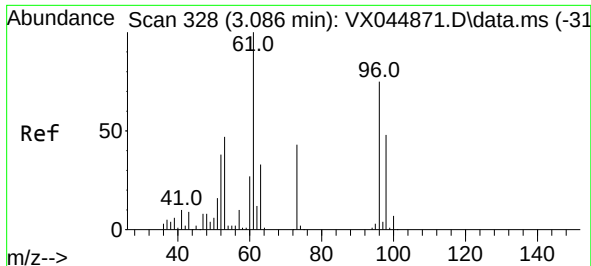
Tgt Ion: 73 Resp: 521003
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 96.490 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120
Ion Ratio Lower Upper
84 100
49 126.7 100.1 150.1
51 40.3 31.7 47.5
86 63.2 50.8 76.2

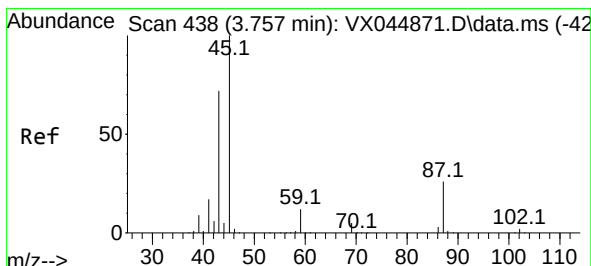
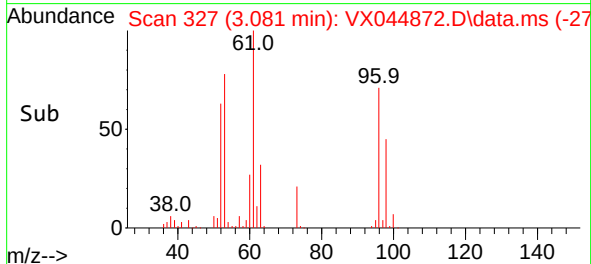
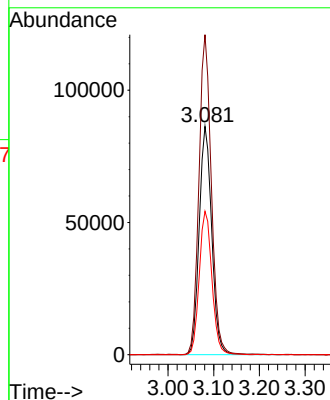
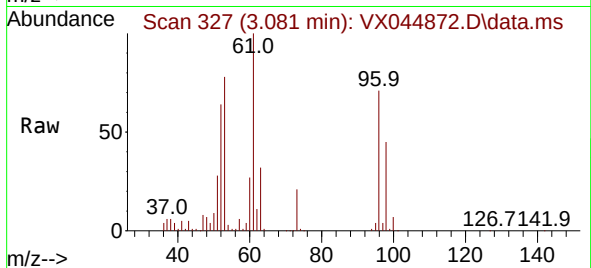




#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

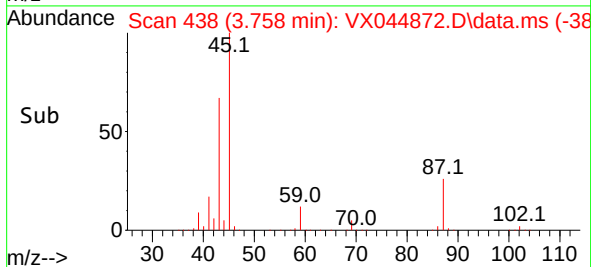
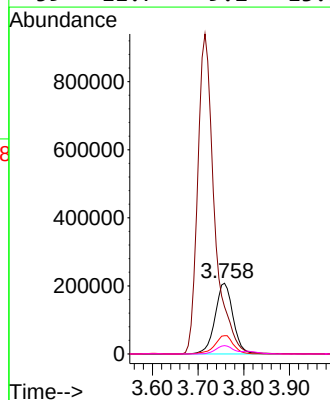
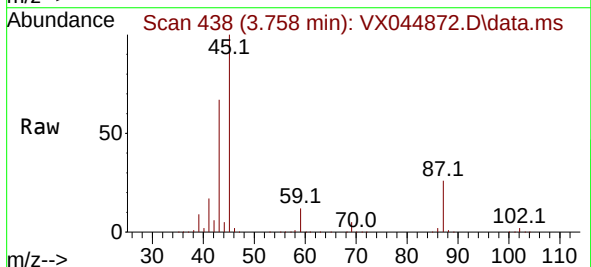
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

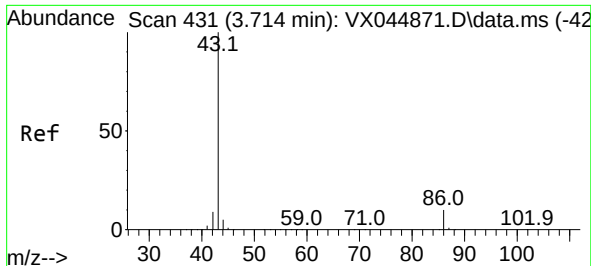
Tgt Ion: 96 Resp: 164067
Ion Ratio Lower Upper
96 100
61 140.2 106.0 159.0
98 62.8 50.6 76.0



#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927
Ion Ratio Lower Upper
45 100
43 66.7 58.0 87.0
87 25.7 20.7 31.1
59 11.7 9.2 13.8

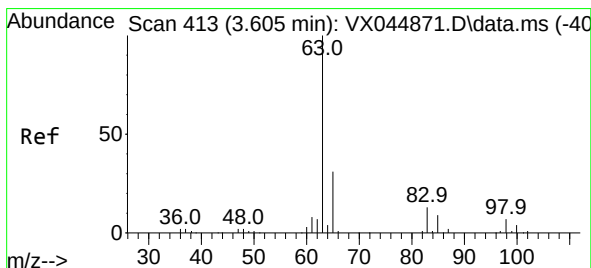
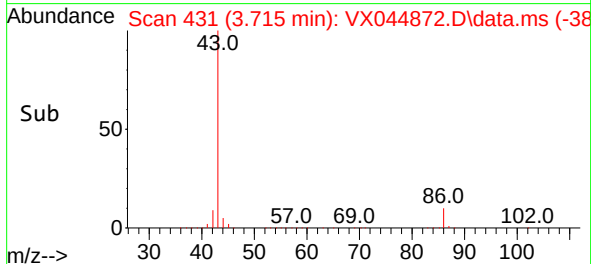
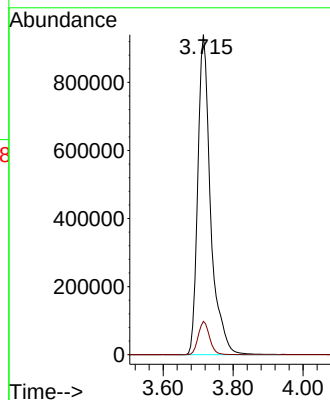
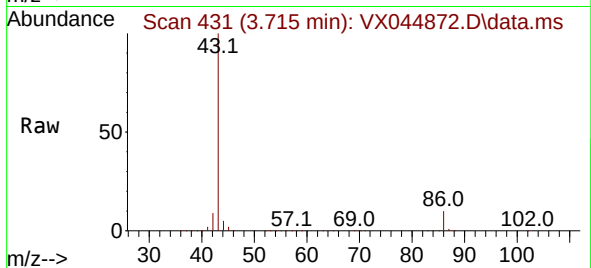




#23
 Vinyl Acetate
 Concen: 513.051 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

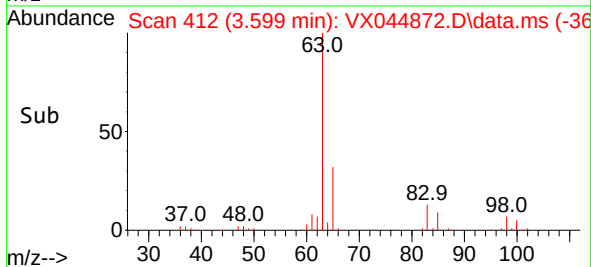
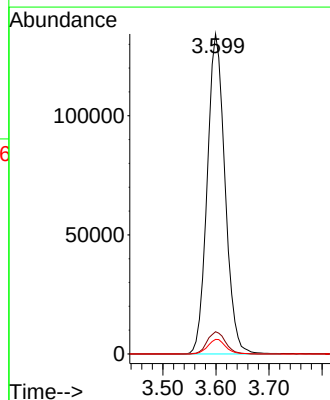
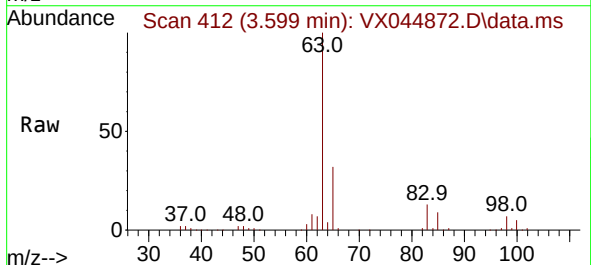
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

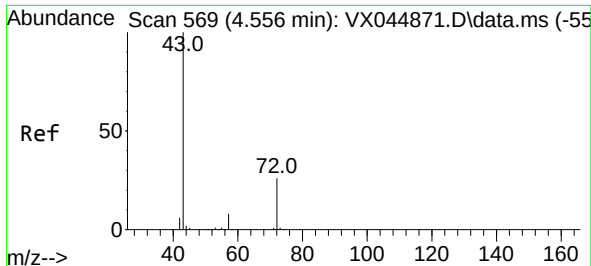
Tgt Ion: 43 Resp: 2387200
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 98.064 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 313164
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 4.5 2.1 6.5

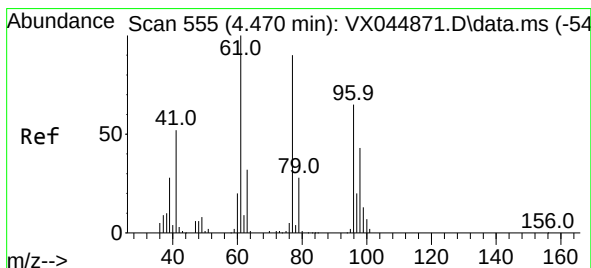
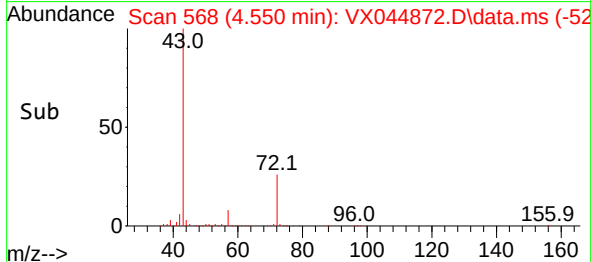
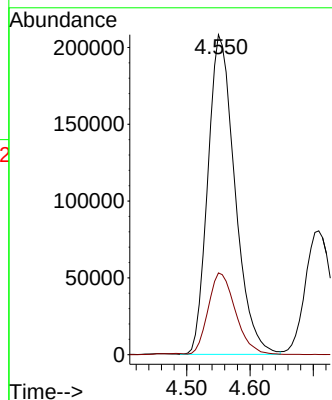
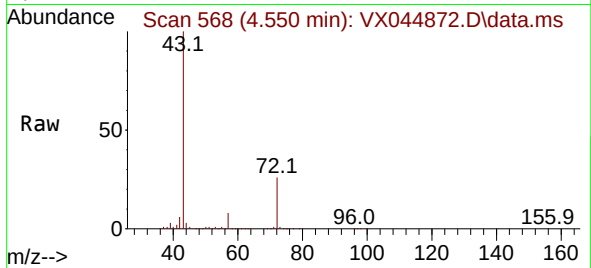




#25
2-Butanone
Concen: 498.801 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

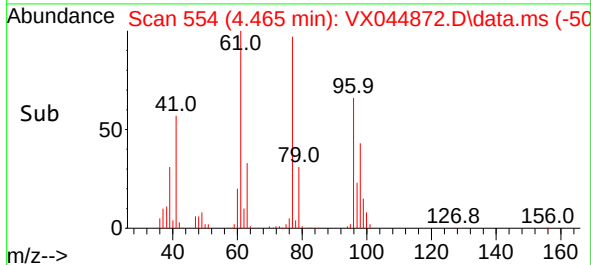
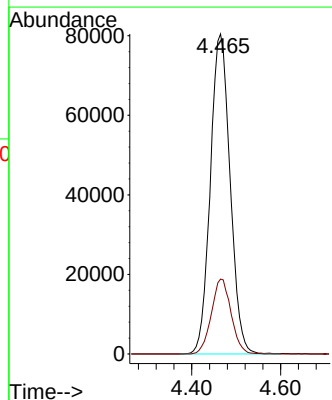
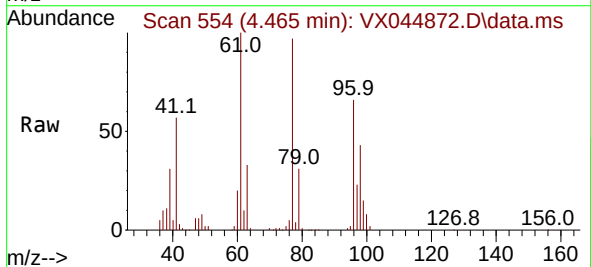
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

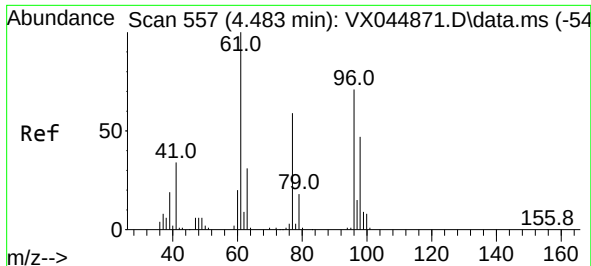
Tgt Ion: 43 Resp: 617283
Ion Ratio Lower Upper
43 100
72 25.4 21.2 31.8



#26
2,2-Dichloropropane
Concen: 98.053 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 77 Resp: 248324
Ion Ratio Lower Upper
77 100
97 23.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 99.513 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

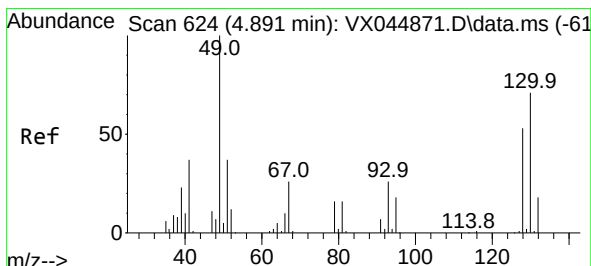
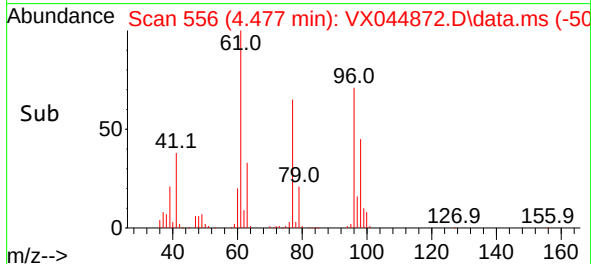
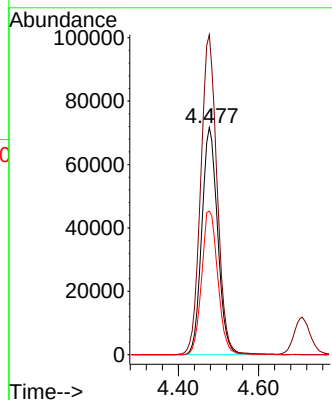
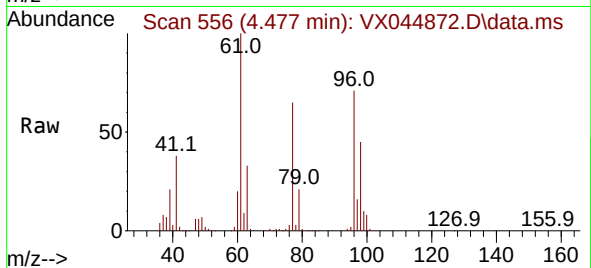
Tgt Ion: 96 Resp: 196381

Ion Ratio Lower Upper

96 100

61 145.1 0.0 294.0

98 64.6 0.0 131.2



#28

Bromochloromethane

Concen: 96.524 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

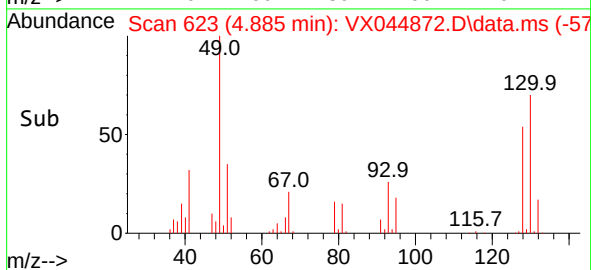
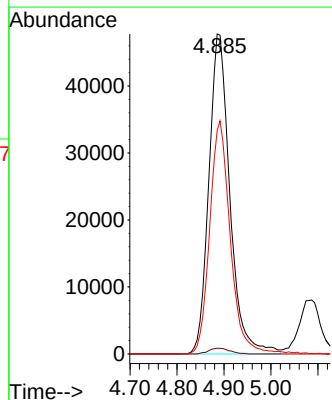
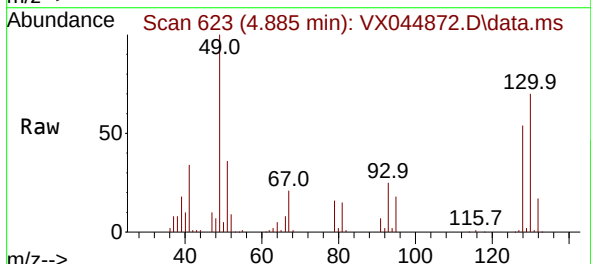
Tgt Ion: 49 Resp: 148137

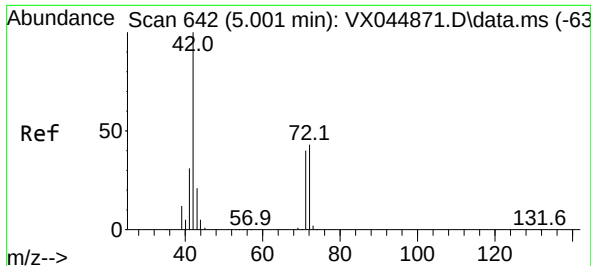
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 71.1 56.7 85.1





#29

Tetrahydrofuran

Concen: 493.104 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

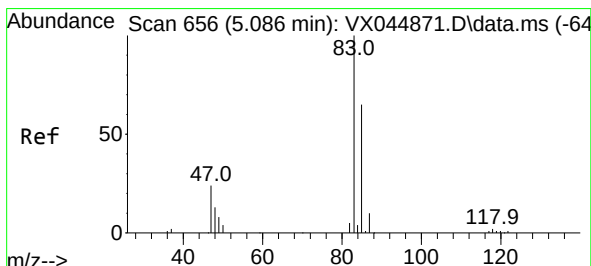
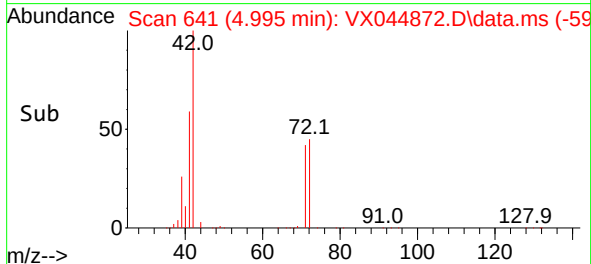
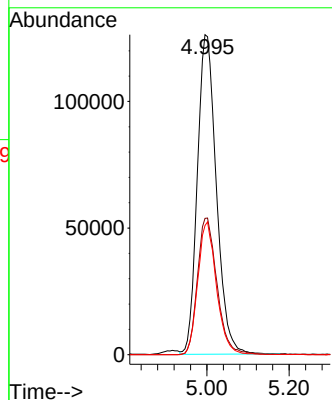
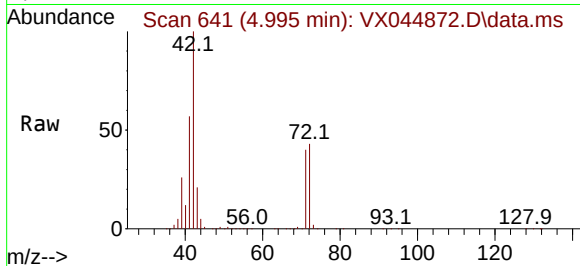
Tgt Ion: 42 Resp: 405208

Ion Ratio Lower Upper

42 100

72 43.9 35.0 52.4

71 40.8 32.6 48.8



#30

Chloroform

Concen: 96.445 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044872.D

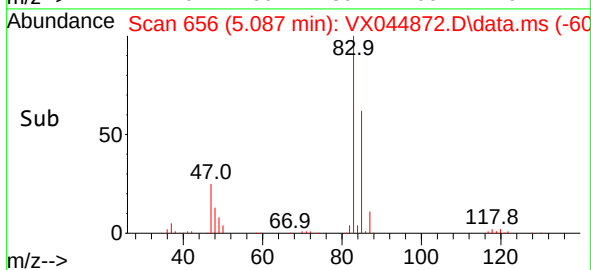
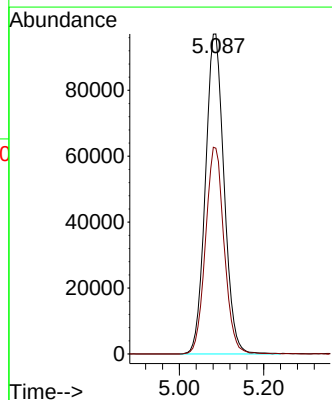
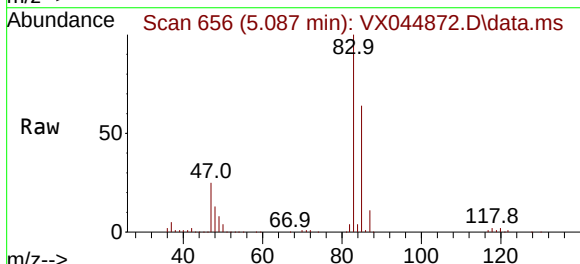
Acq: 10 Feb 2025 12:05

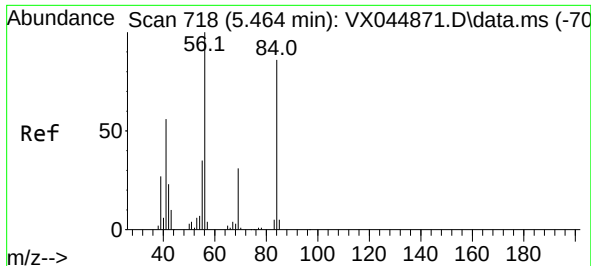
Tgt Ion: 83 Resp: 298690

Ion Ratio Lower Upper

83 100

85 64.3 52.1 78.1

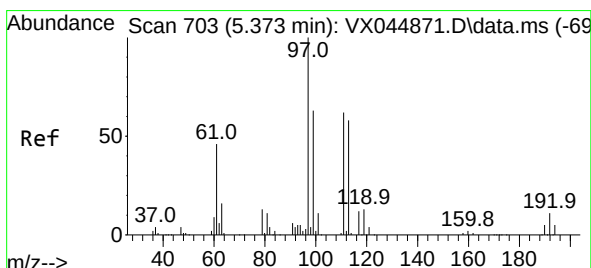
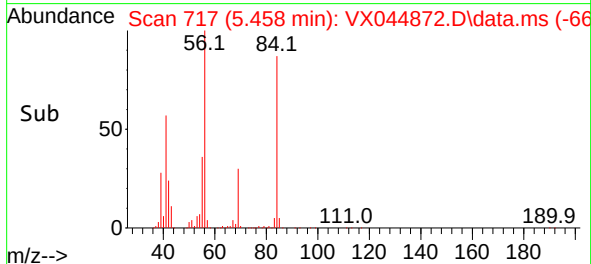
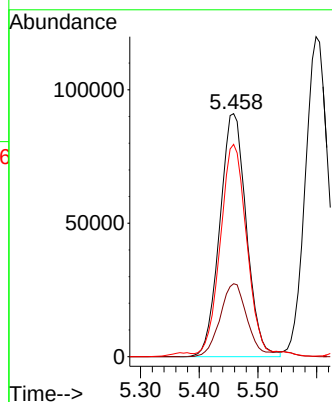
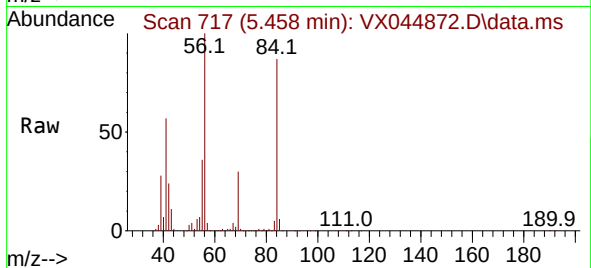




#31
Cyclohexane
Concen: 97.426 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

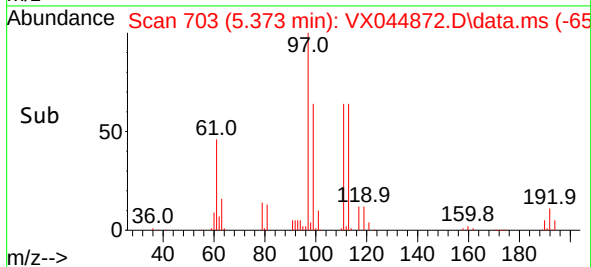
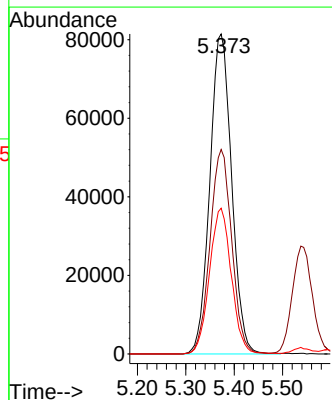
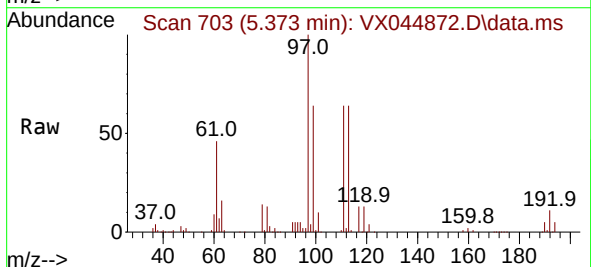
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

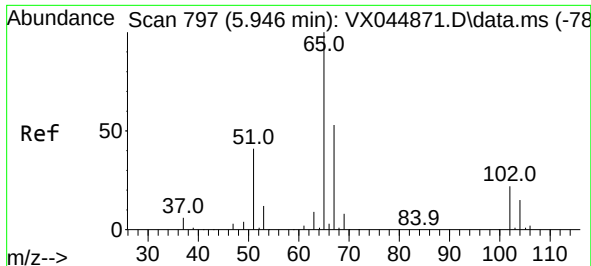
Tgt Ion: 56 Resp: 286830
Ion Ratio Lower Upper
56 100
69 30.0 24.4 36.6
84 85.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 97.050 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 254941
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 96.580 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

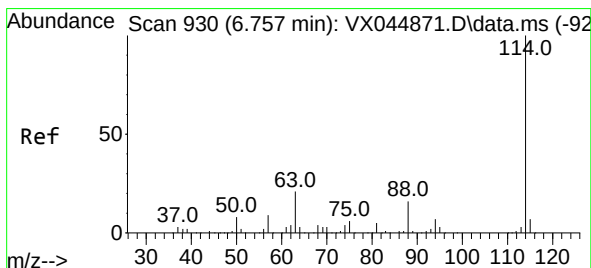
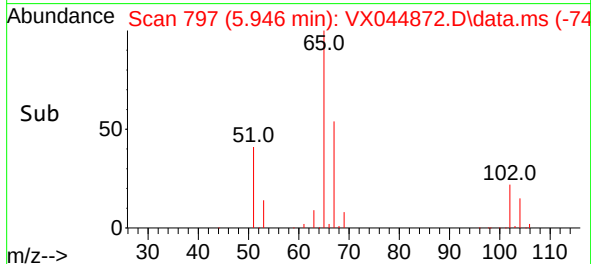
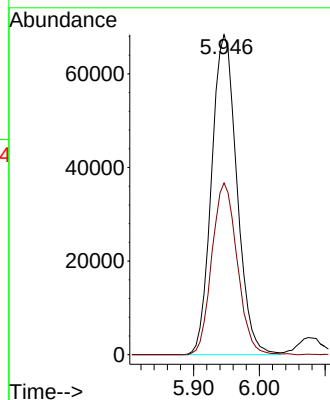
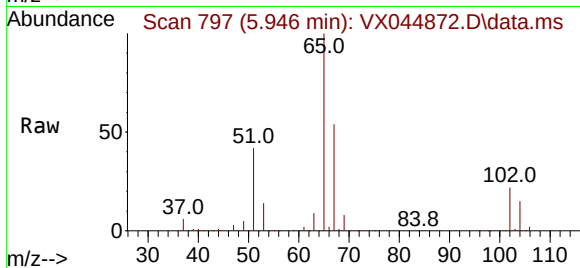
VSTDICC100

Tgt Ion: 65 Resp: 183093

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

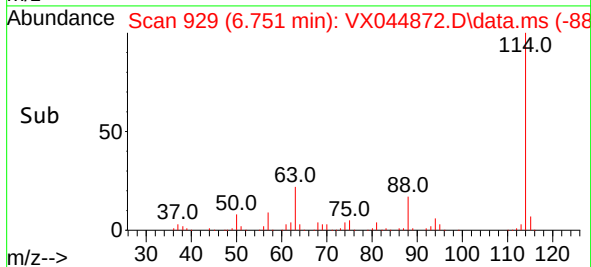
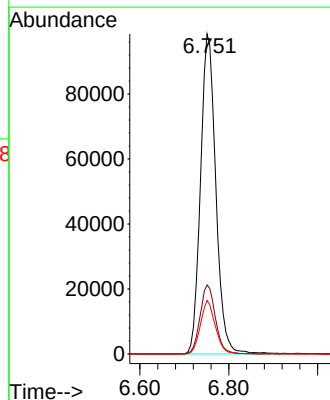
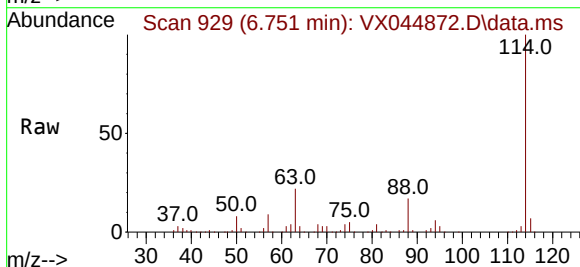
Tgt Ion: 114 Resp: 236372

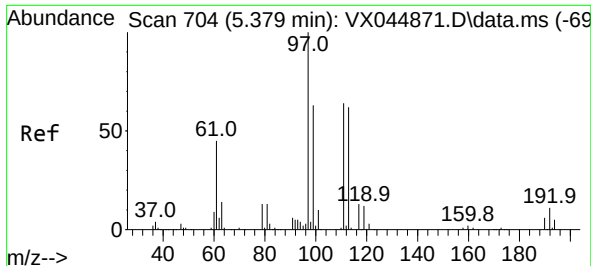
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 16.7 0.0 31.4

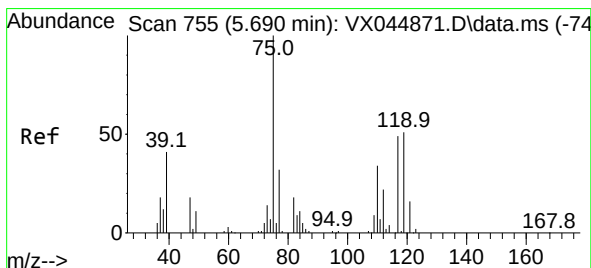
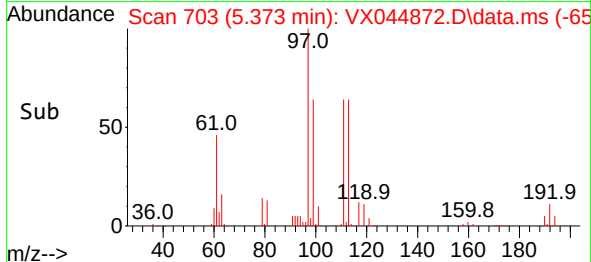
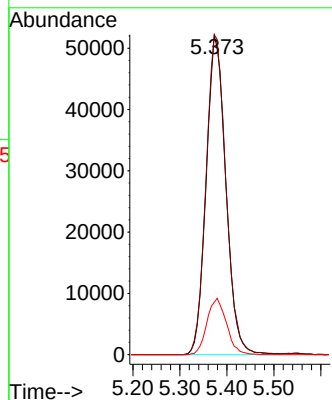
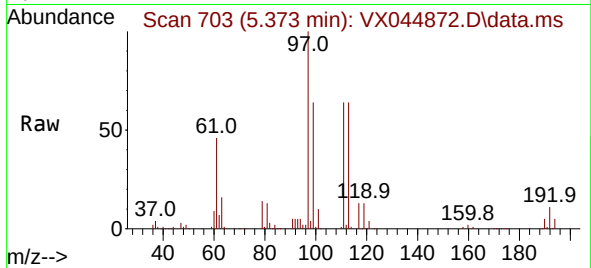




#35
Dibromofluoromethane
Concen: 98.404 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

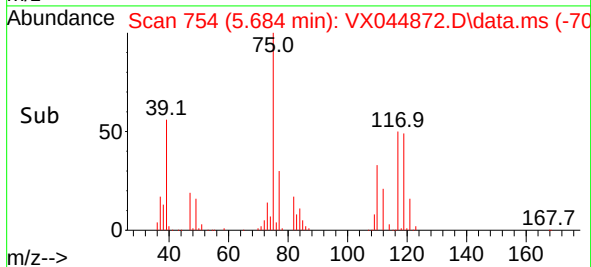
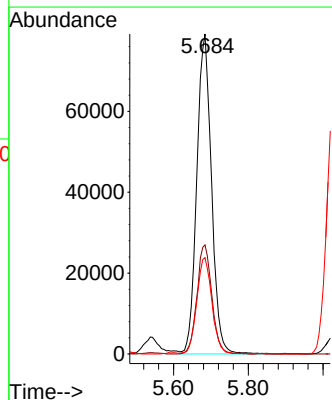
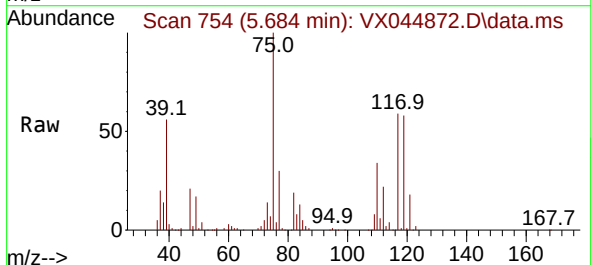
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

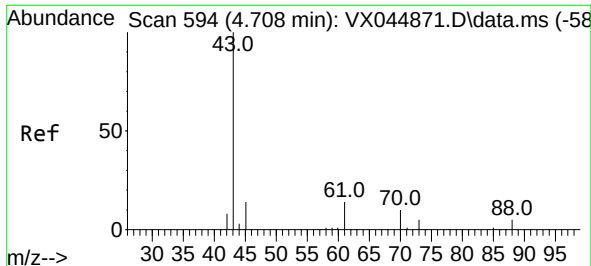
Tgt Ion:113 Resp: 151228
Ion Ratio Lower Upper
113 100
111 101.6 83.5 125.3
192 17.6 14.4 21.6



#36
1,1-Dichloropropene
Concen: 97.422 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 216005
Ion Ratio Lower Upper
75 100
110 34.4 17.2 51.6
77 30.9 24.6 37.0

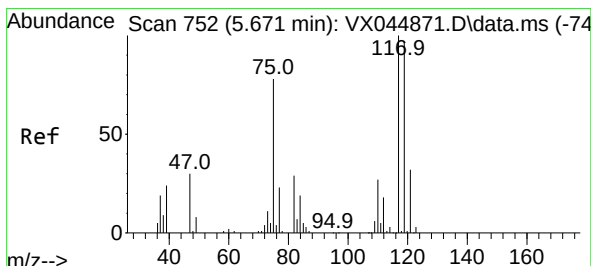
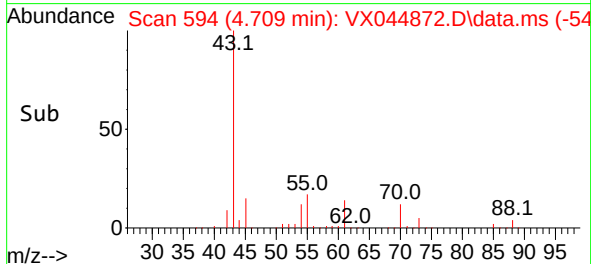
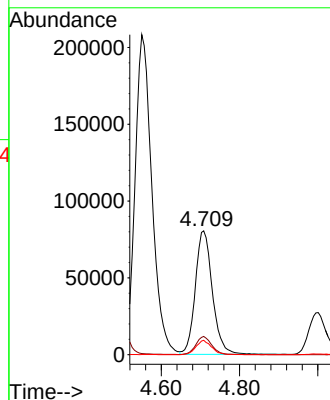
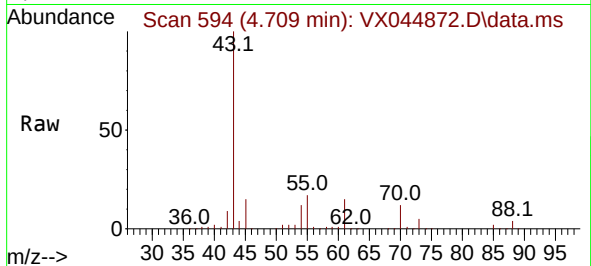




#37
Ethyl Acetate
Concen: 99.005 ug/l
RT: 4.709 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

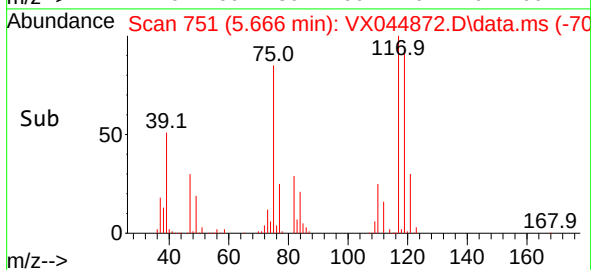
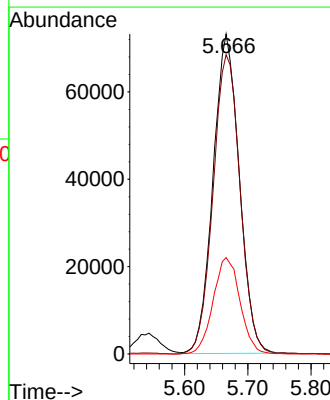
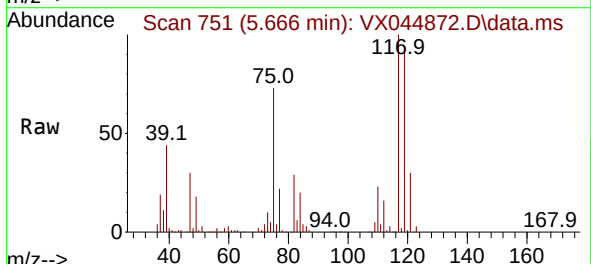
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

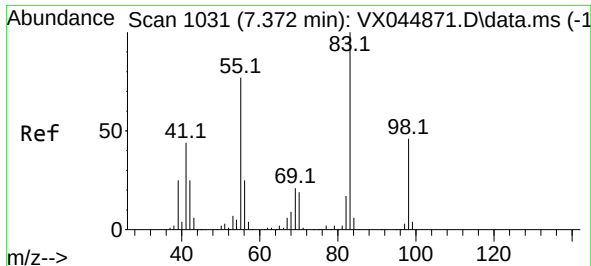
Tgt Ion: 43 Resp: 244164
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 10.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 96.828 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 117 Resp: 210381
Ion Ratio Lower Upper
117 100
119 93.6 77.5 116.3
121 30.2 25.6 38.4





#39

Methylcyclohexane

Concen: 104.554 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

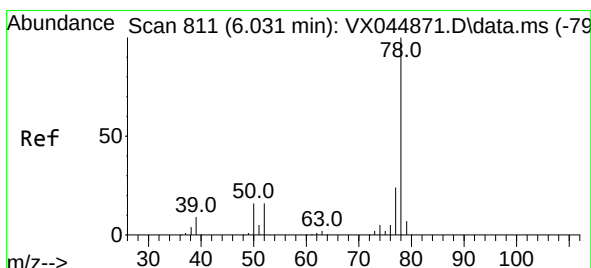
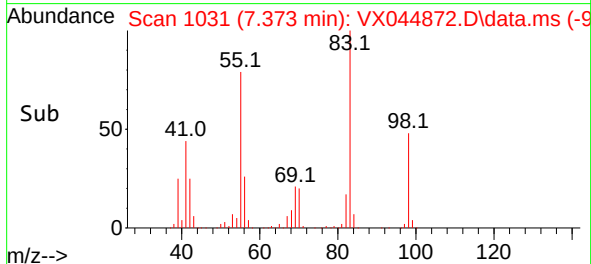
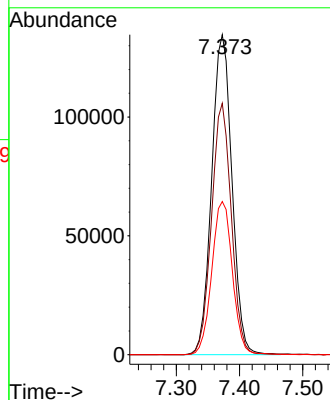
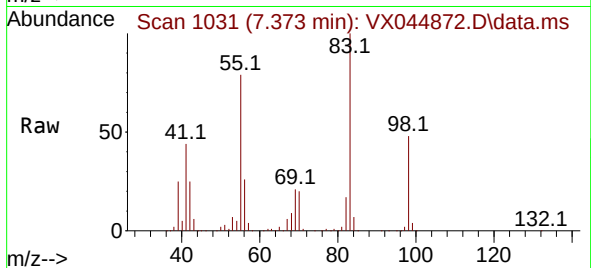
Tgt Ion: 83 Resp: 299703

Ion Ratio Lower Upper

83 100

55 78.5 61.3 91.9

98 47.8 37.0 55.6



#40

Benzene

Concen: 97.576 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044872.D

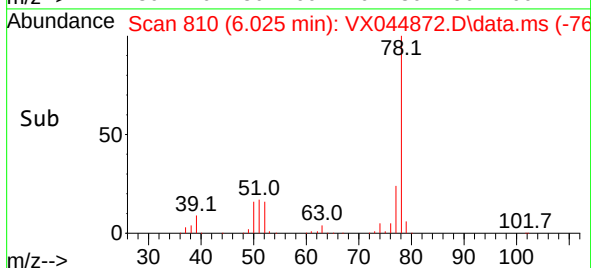
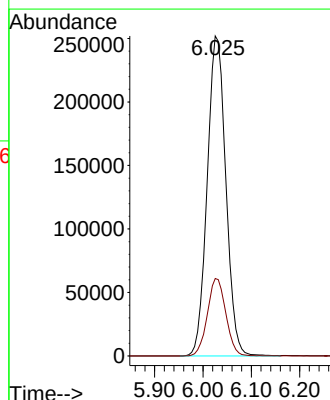
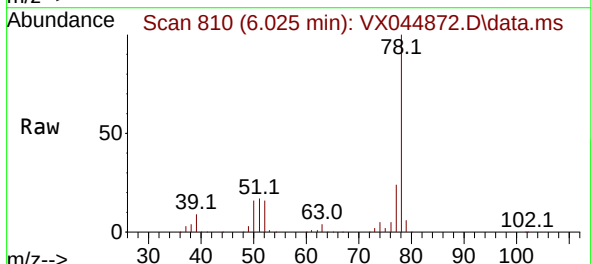
Acq: 10 Feb 2025 12:05

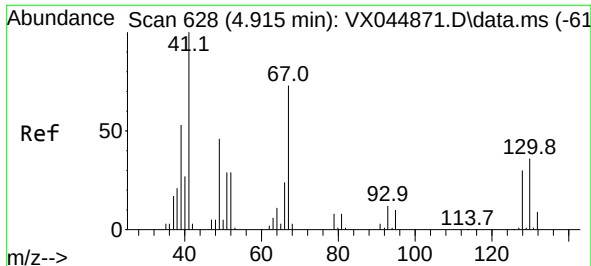
Tgt Ion: 78 Resp: 675556

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6



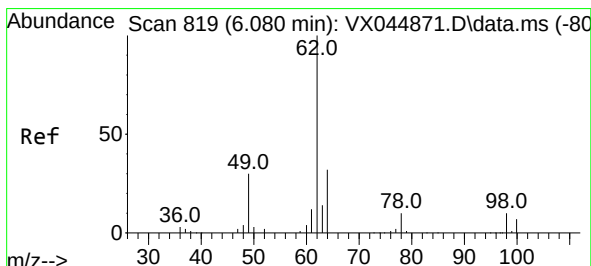
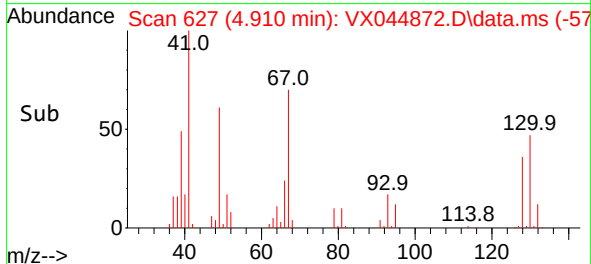
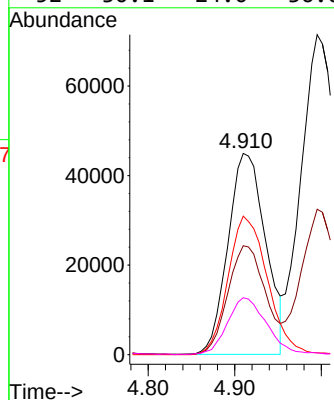
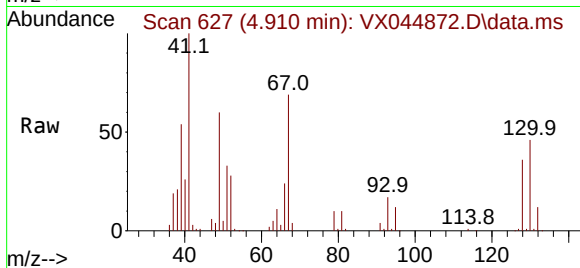


#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 135629

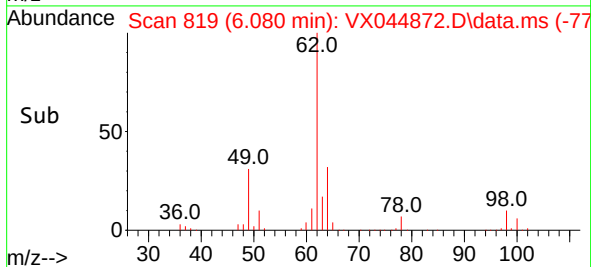
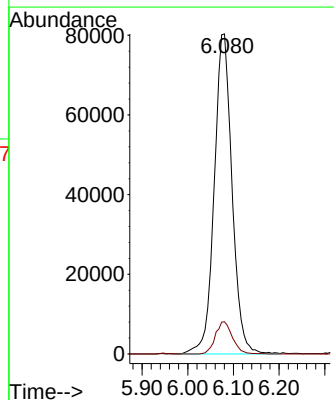
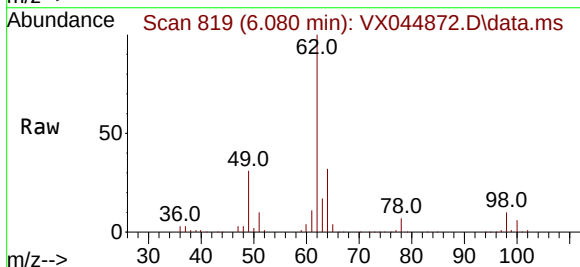
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	72.4	57.0	85.6
52	30.1	24.0	36.0

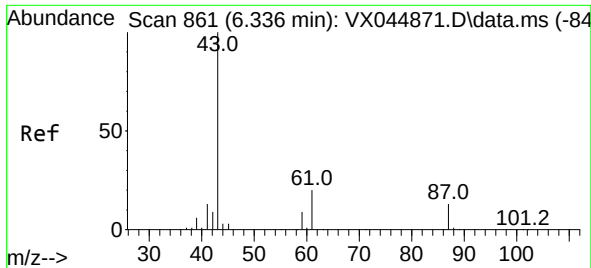


#42
1,2-Dichloroethane
Concen: 98.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 218174

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

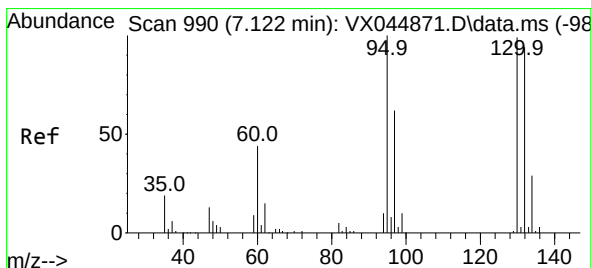
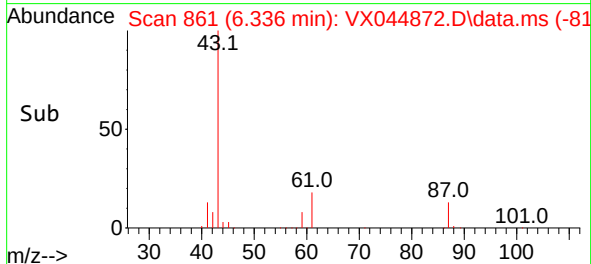
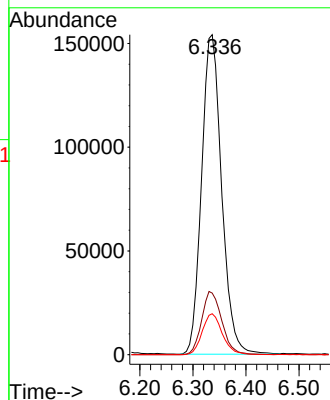
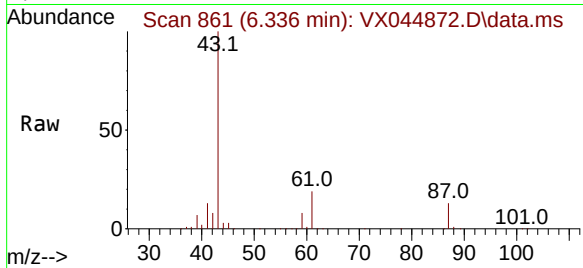




#43
Isopropyl Acetate
Concen: 101.818 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

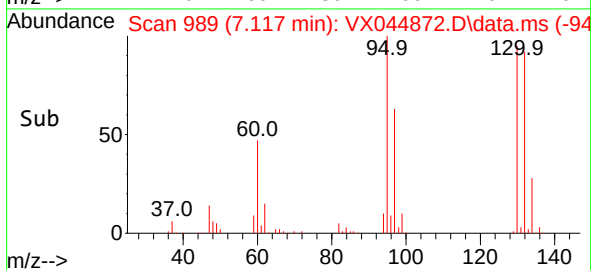
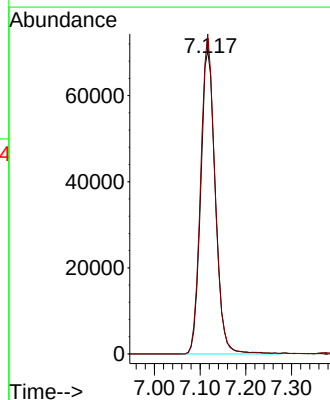
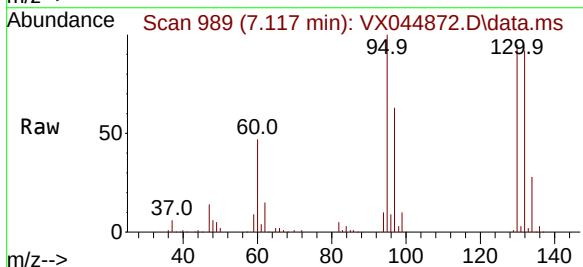
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

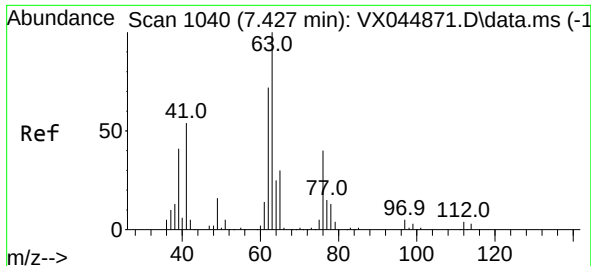
Tgt Ion: 43 Resp: 405489
Ion Ratio Lower Upper
43 100
61 19.9 15.8 23.8
87 12.8 10.0 15.0



#44
Trichloroethene
Concen: 99.103 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:130 Resp: 156832
Ion Ratio Lower Upper
130 100
95 105.4 0.0 202.4





#45

1,2-Dichloropropane

Concen: 98.893 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

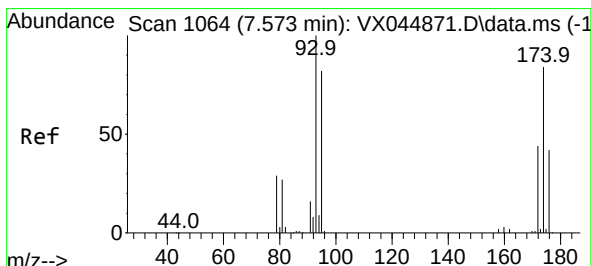
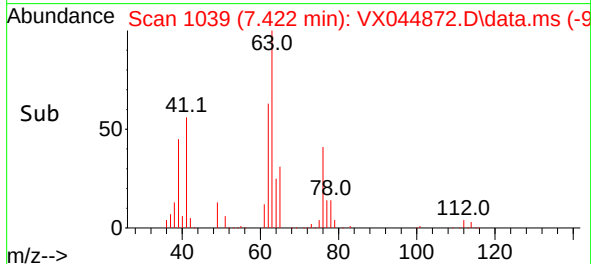
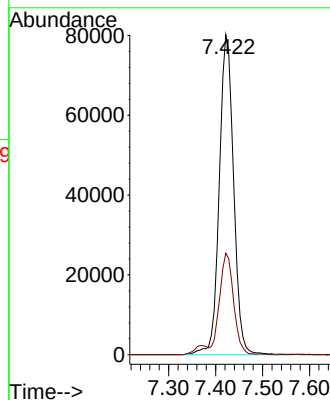
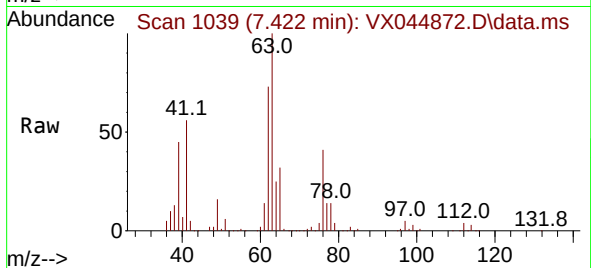
VSTDIC100

Tgt Ion: 63 Resp: 170337

Ion Ratio Lower Upper

63 100

65 31.7 24.2 36.4



#46

Dibromomethane

Concen: 99.747 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

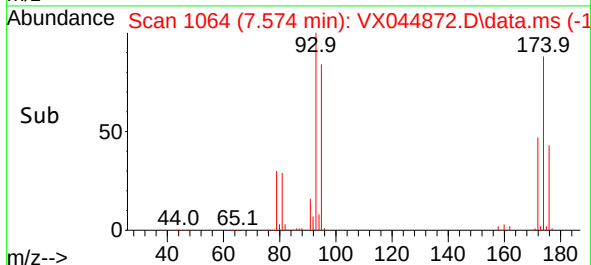
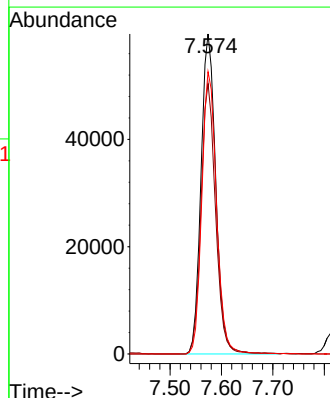
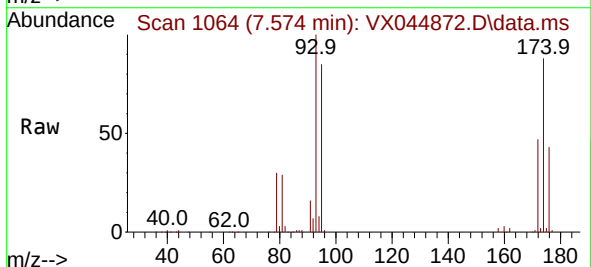
Tgt Ion: 93 Resp: 119149

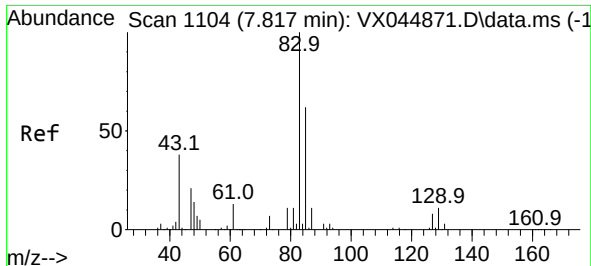
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 88.1 69.9 104.9

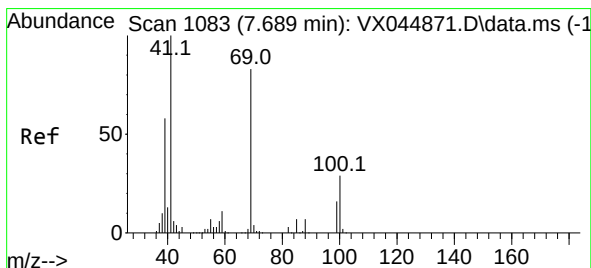
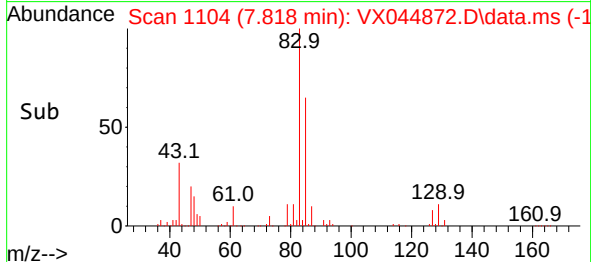
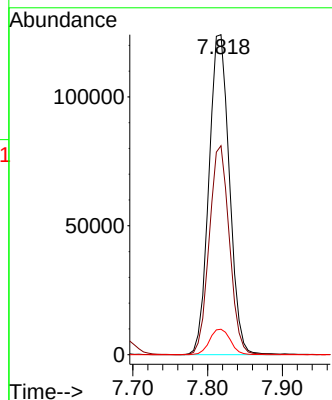
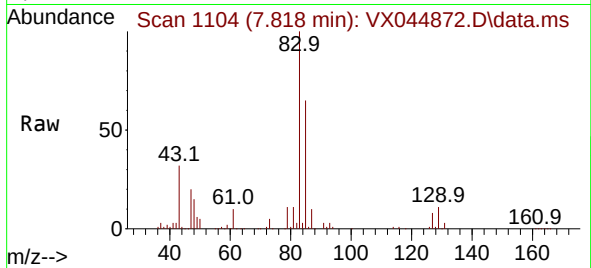




#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

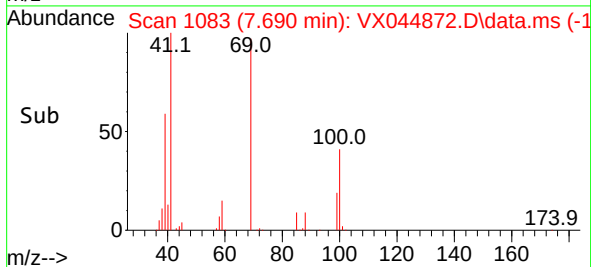
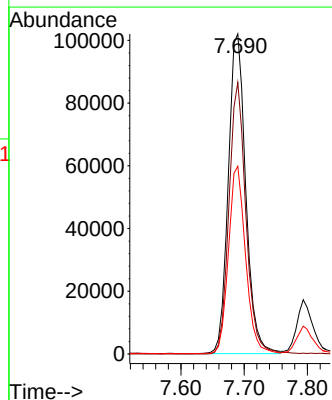
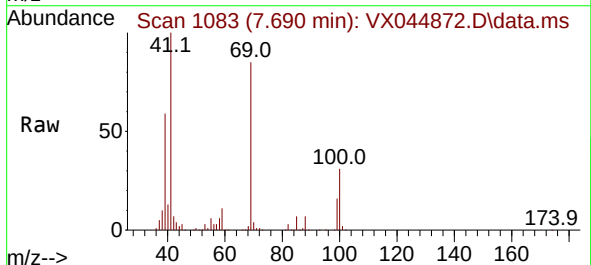
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

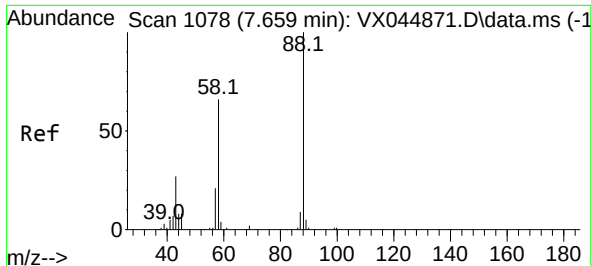
Tgt Ion: 83 Resp: 236506
Ion Ratio Lower Upper
83 100
85 65.3 50.0 75.0
127 8.0 6.4 9.6



#48
Methyl methacrylate
Concen: 104.321 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 195892
Ion Ratio Lower Upper
41 100
69 82.1 65.8 98.8
39 57.3 46.4 69.6





#49

1,4-Dioxane

Concen: 1931.508 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

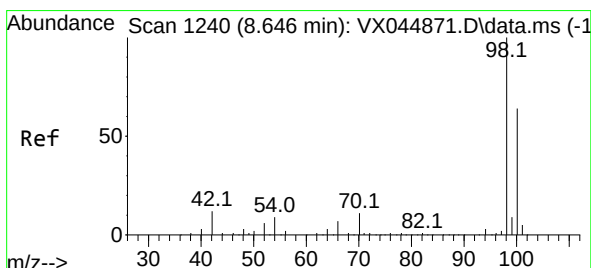
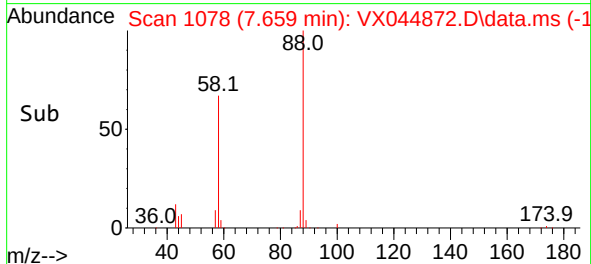
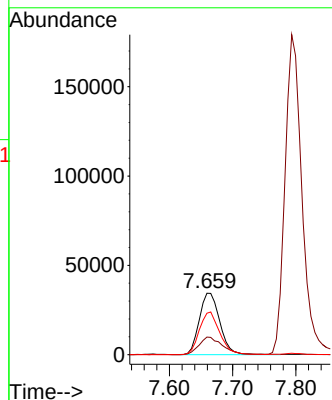
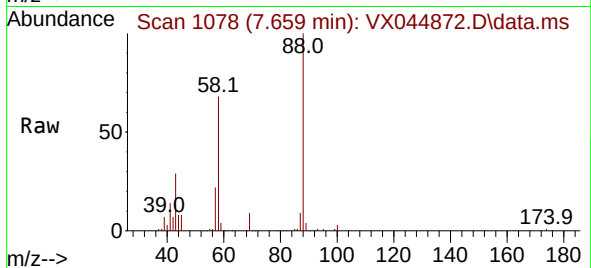
Tgt Ion: 88 Resp: 77816

Ion Ratio Lower Upper

88 100

43 31.8 26.6 39.8

58 68.9 55.9 83.9



#50

Toluene-d8

Concen: 98.253 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044872.D

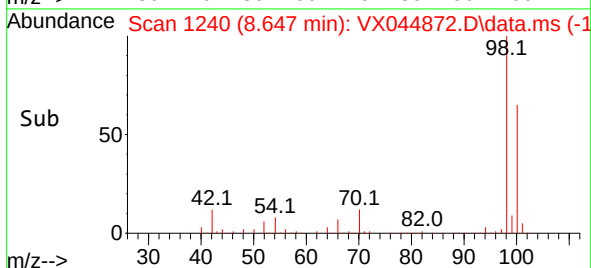
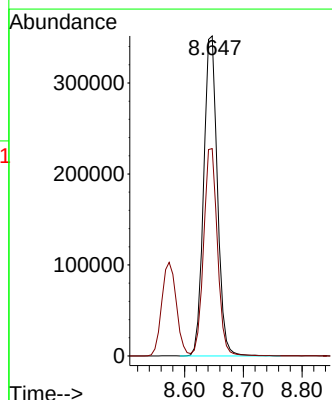
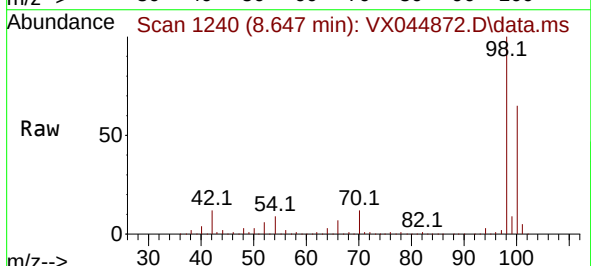
Acq: 10 Feb 2025 12:05

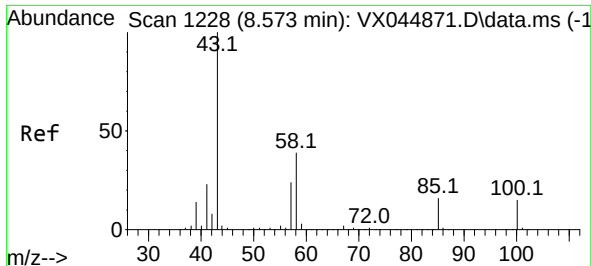
Tgt Ion: 98 Resp: 570976

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 494.353 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

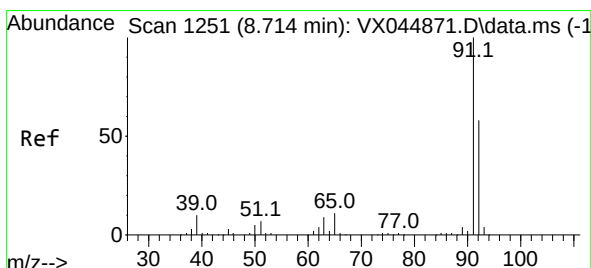
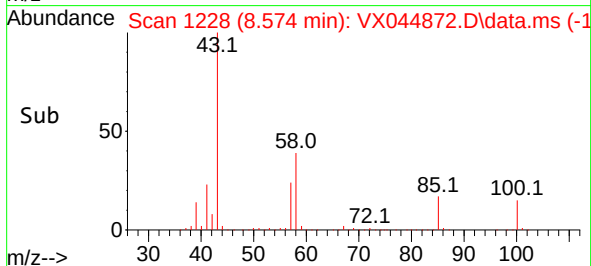
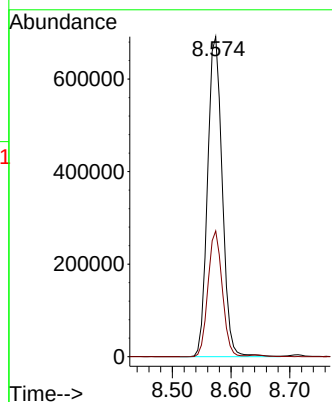
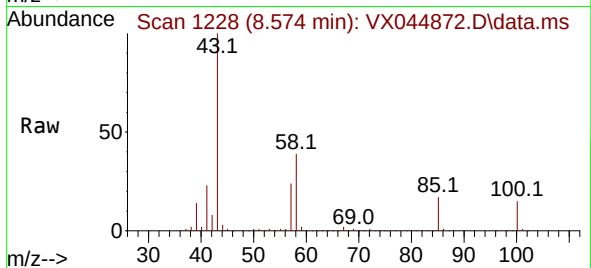
VSTDICC100

Tgt Ion: 43 Resp: 1196887

Ion Ratio Lower Upper

43 100

58 38.4 30.8 46.2



#52

Toluene

Concen: 99.270 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044872.D

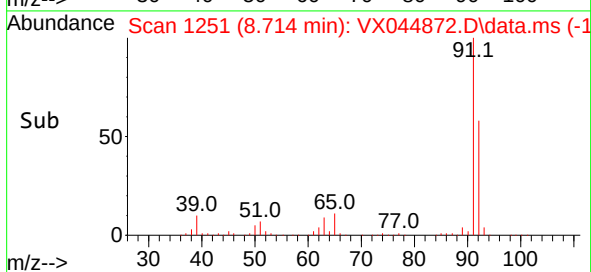
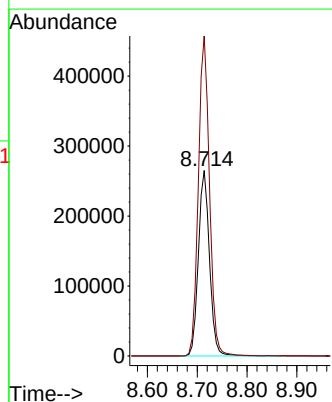
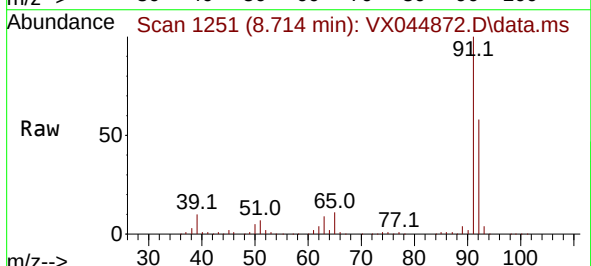
Acq: 10 Feb 2025 12:05

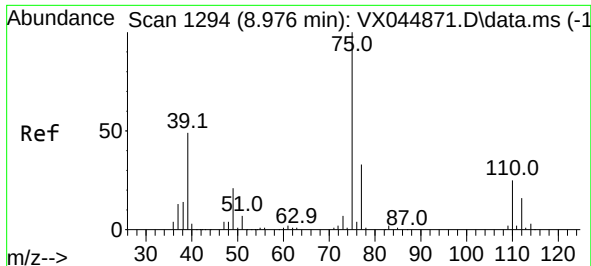
Tgt Ion: 92 Resp: 409318

Ion Ratio Lower Upper

92 100

91 173.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 106.694 ug/l

RT: 8.970 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

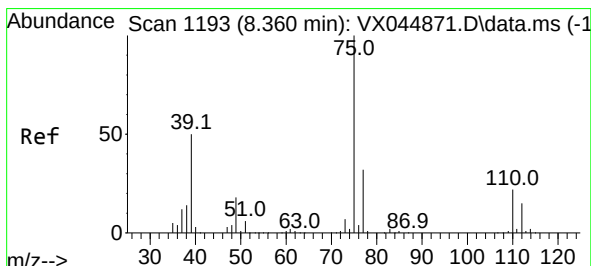
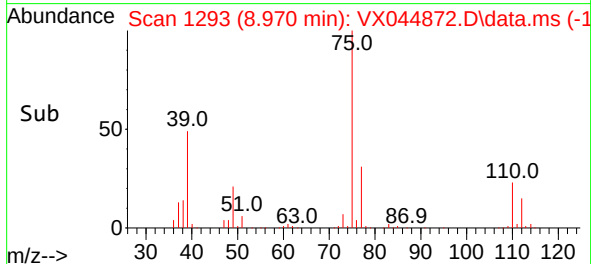
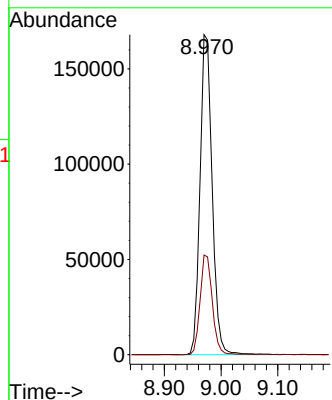
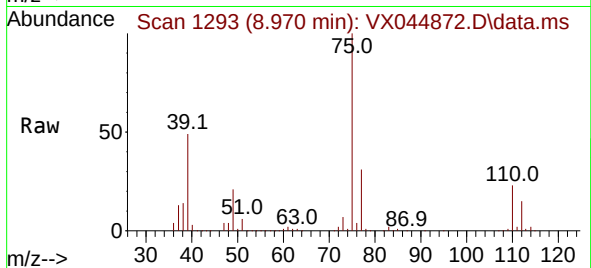
VSTDICC100

Tgt Ion: 75 Resp: 249725

Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 106.287 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

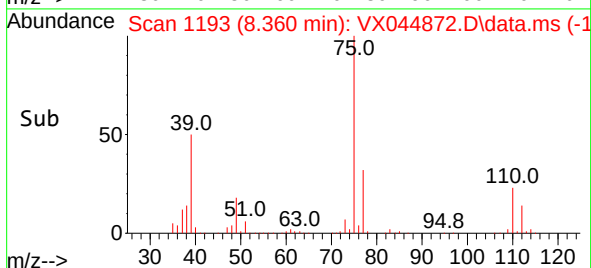
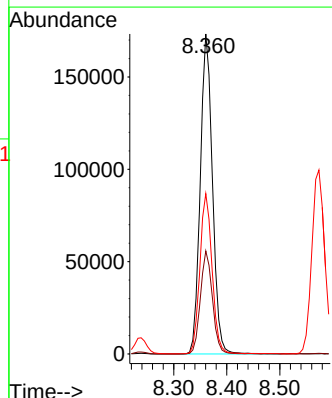
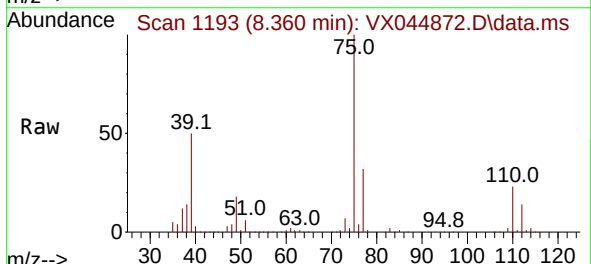
Tgt Ion: 75 Resp: 277371

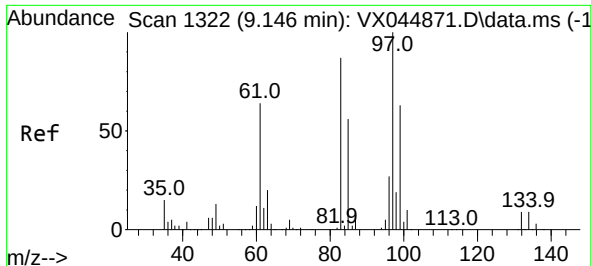
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 50.1 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 98.817 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 156629

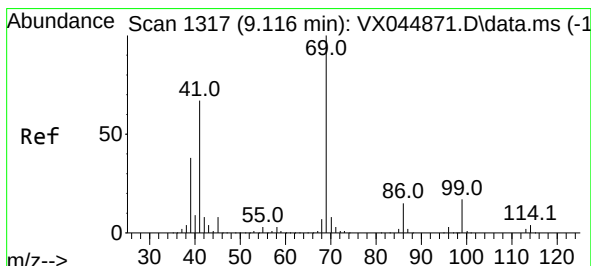
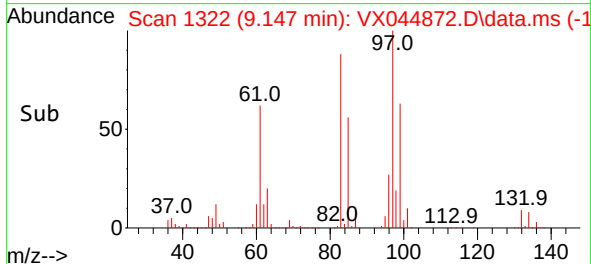
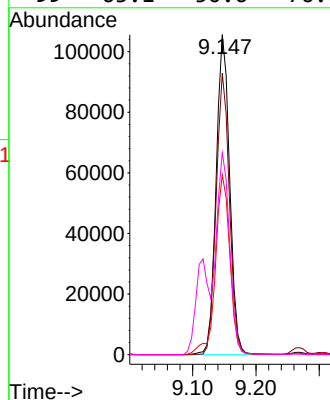
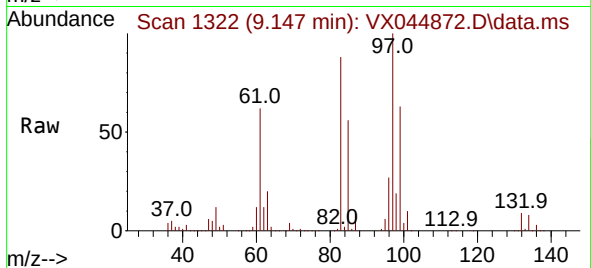
Ion Ratio Lower Upper

97 100

83 88.0 69.8 104.6

85 56.2 44.8 67.2

99 63.1 50.6 76.0



#56

Ethyl methacrylate

Concen: 104.958 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

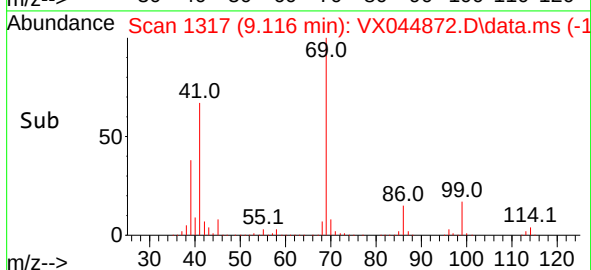
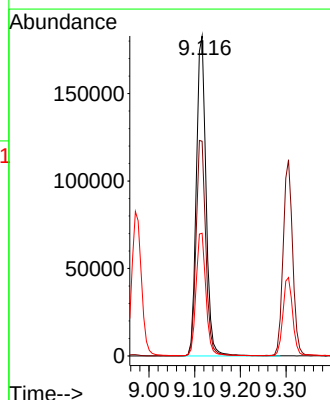
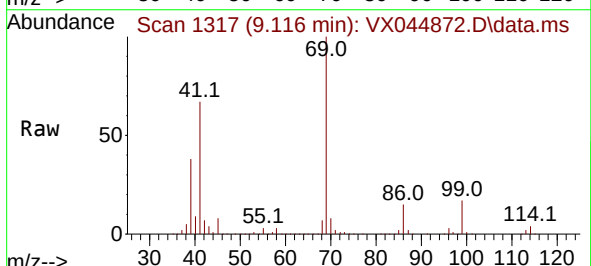
Tgt Ion: 69 Resp: 268693

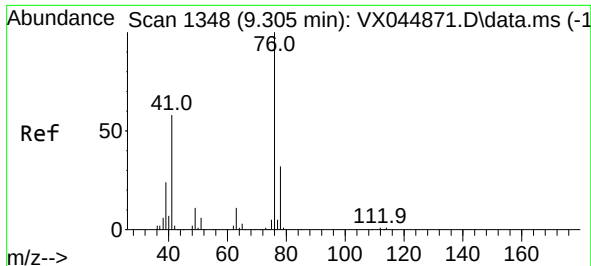
Ion Ratio Lower Upper

69 100

41 68.0 55.2 82.8

39 39.2 30.8 46.2

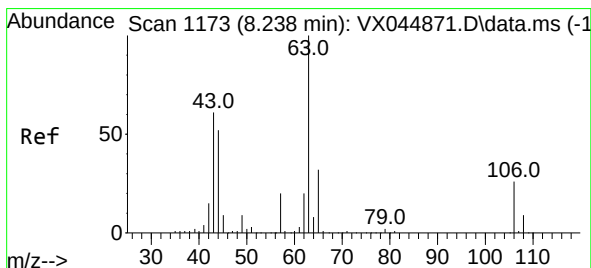
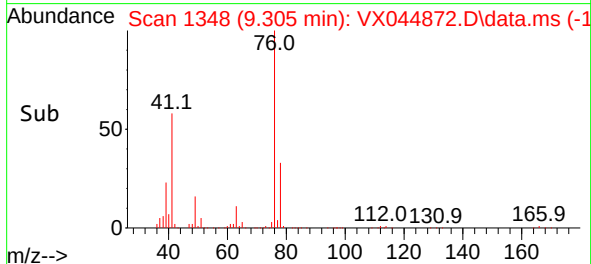
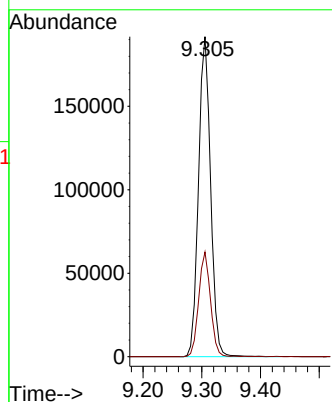
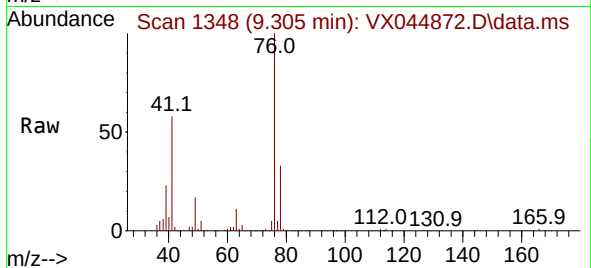




#57
1,3-Dichloropropane
Concen: 98.742 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

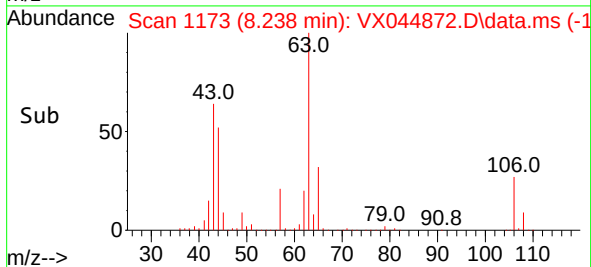
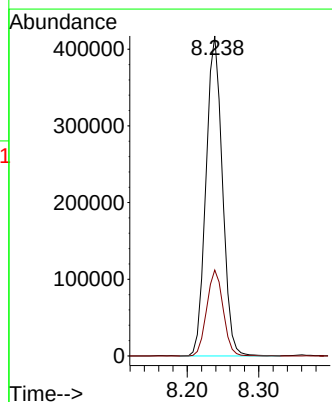
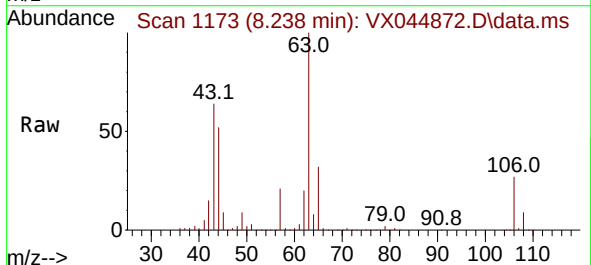
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

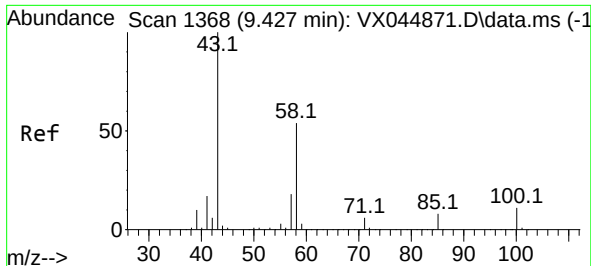
Tgt Ion: 76 Resp: 273845
Ion Ratio Lower Upper
76 100
78 32.0 25.8 38.8



#58
2-Chloroethyl Vinyl ether
Concen: 528.405 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 664198
Ion Ratio Lower Upper
63 100
106 26.8 21.3 31.9





#59

2-Hexanone

Concen: 499.819 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

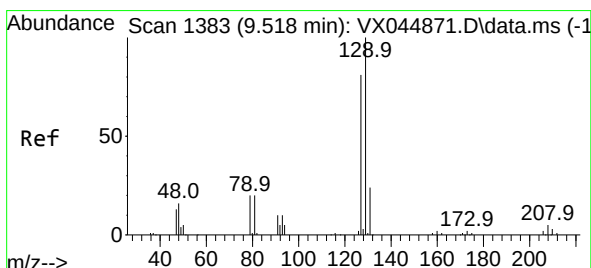
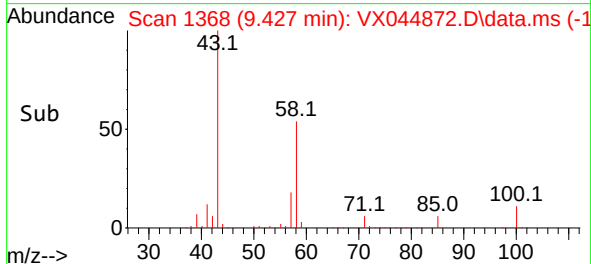
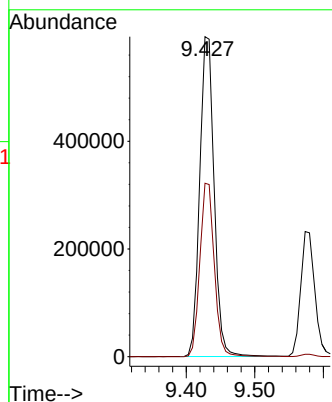
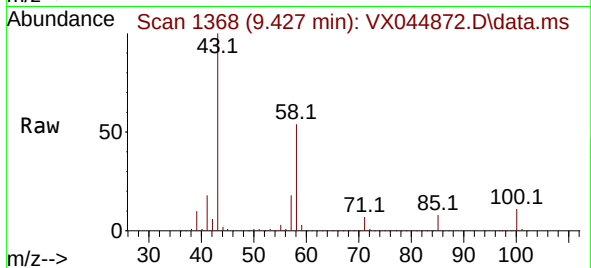
VSTDIC100

Tgt Ion: 43 Resp: 871904

Ion Ratio Lower Upper

43 100

58 54.4 27.5 82.4



#60

Dibromochloromethane

Concen: 102.557 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044872.D

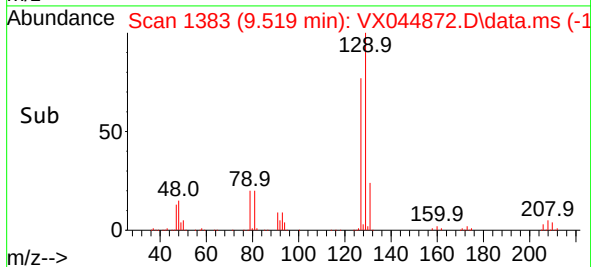
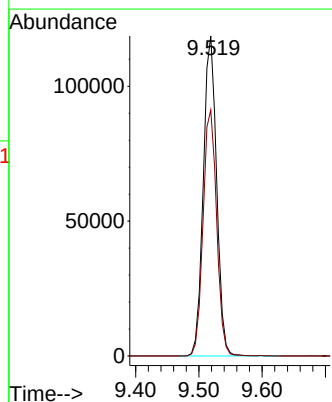
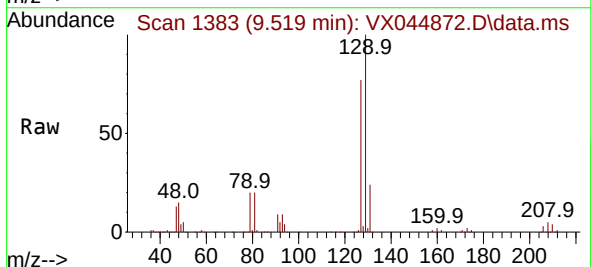
Acq: 10 Feb 2025 12:05

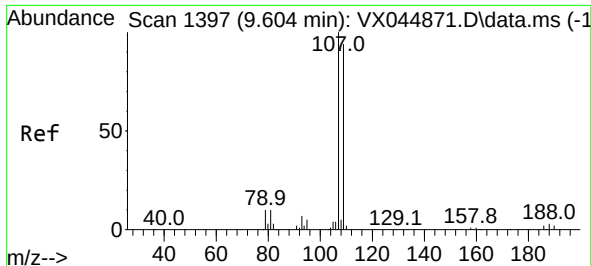
Tgt Ion: 129 Resp: 173848

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3

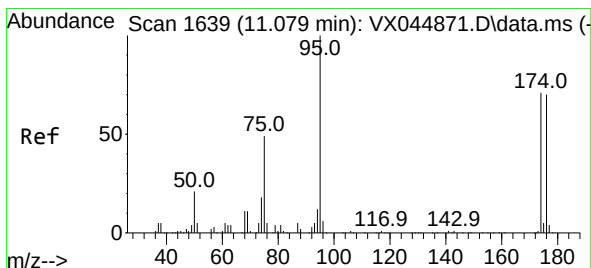
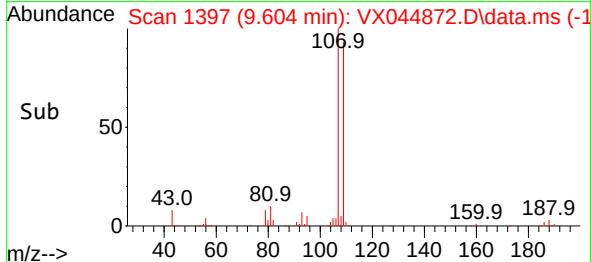
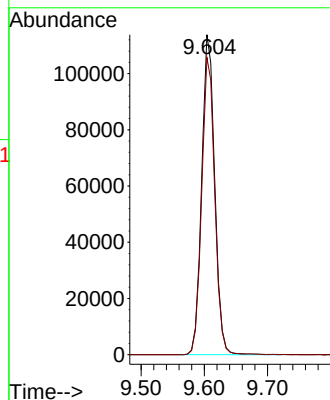
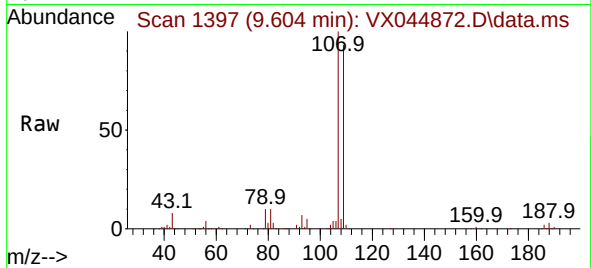




#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

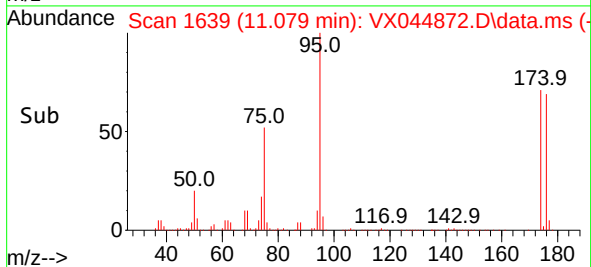
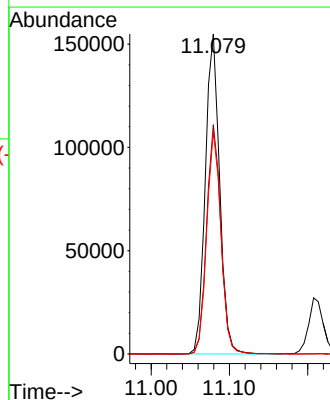
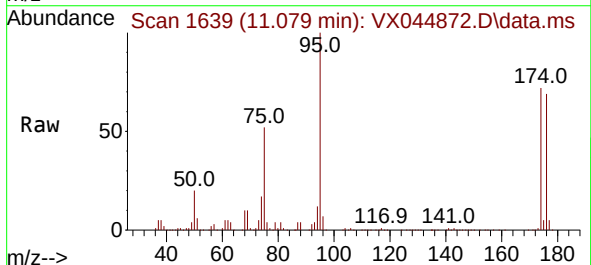
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

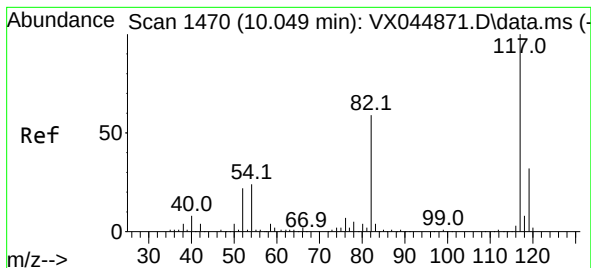
Tgt Ion:107 Resp: 162982
Ion Ratio Lower Upper
107 100
109 93.1 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 100.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066
Ion Ratio Lower Upper
95 100
174 71.6 0.0 142.6
176 68.8 0.0 141.6

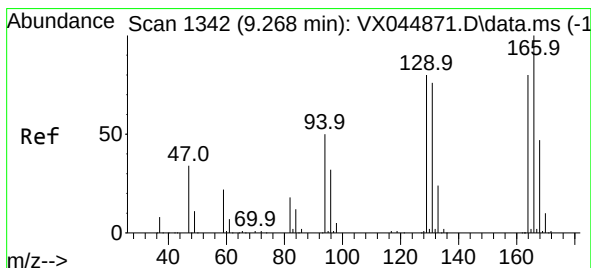
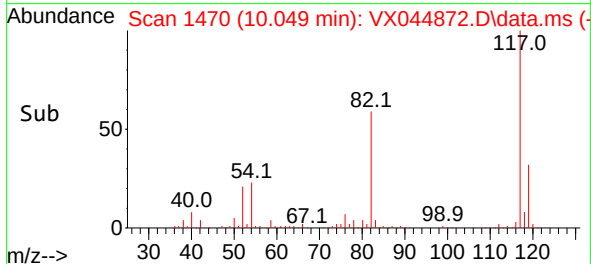
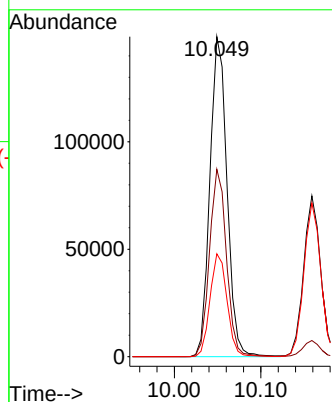
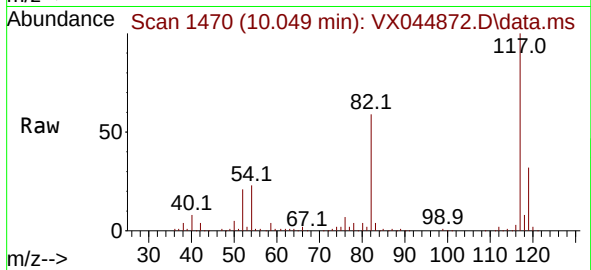




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

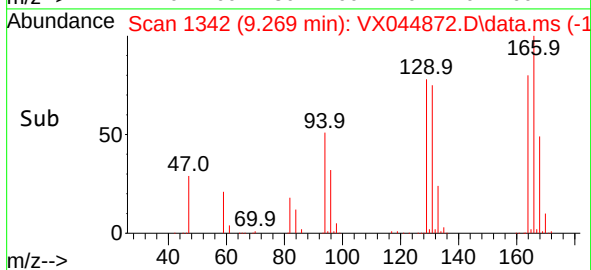
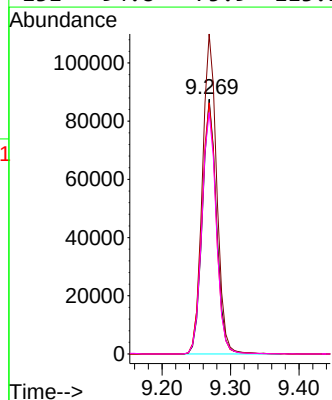
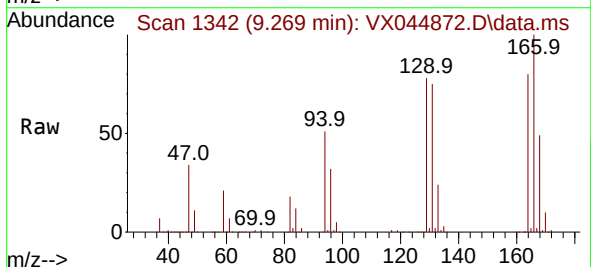
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

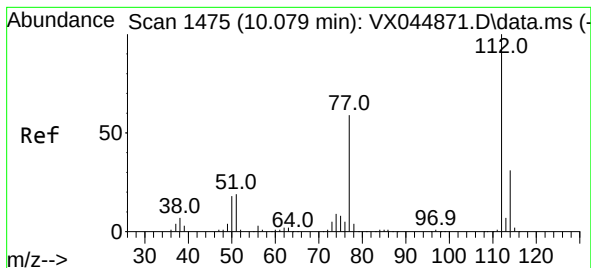
Tgt Ion:117 Resp: 203881
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 97.447 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294
Ion Ratio Lower Upper
164 100
166 125.6 100.4 150.6
129 98.6 79.9 119.9
131 94.8 75.9 113.9

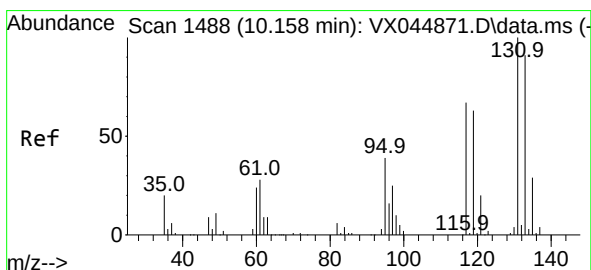
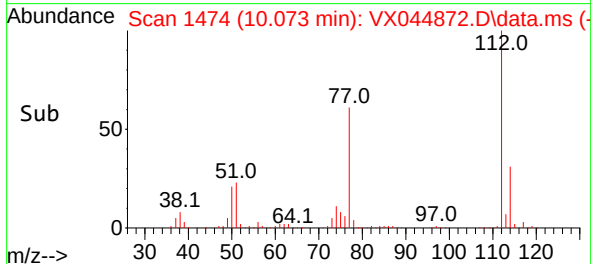
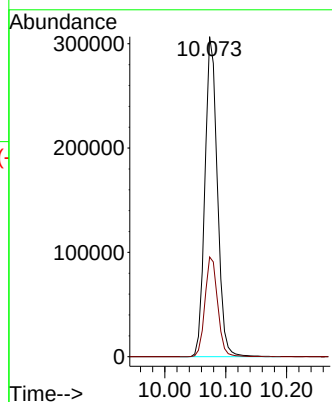
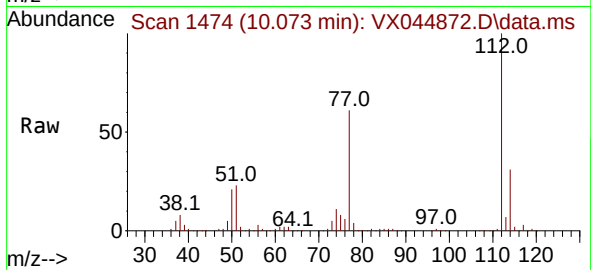




#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

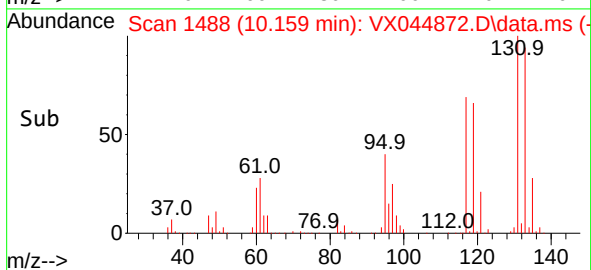
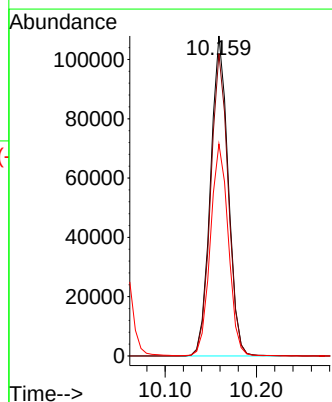
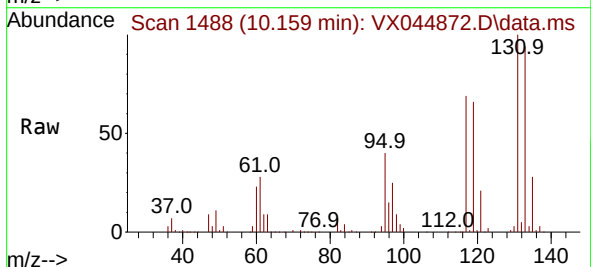
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

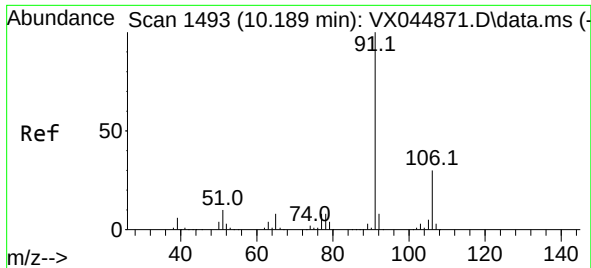
Tgt Ion:112 Resp: 436565
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 102.728 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:131 Resp: 144793
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 67.2 33.6 100.6





#67

Ethyl Benzene

Concen: 101.477 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

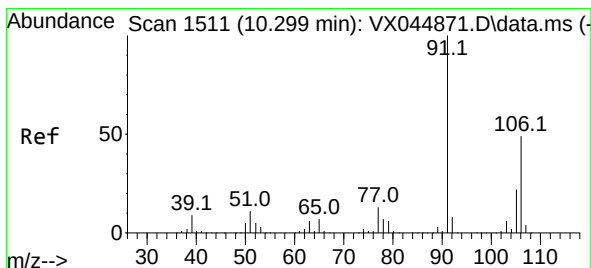
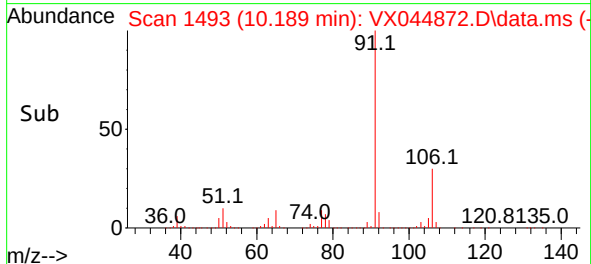
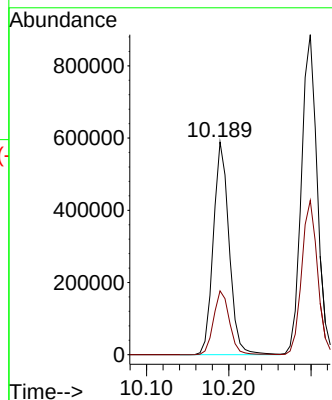
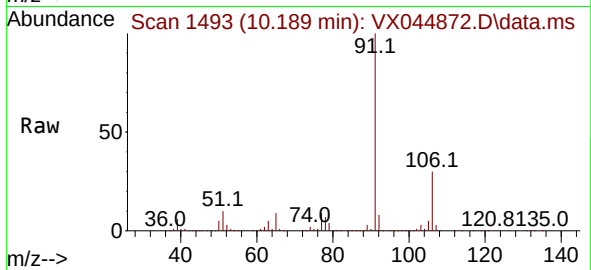
VSTDIC100

Tgt Ion: 91 Resp: 784184

Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9



#68

m/p-Xylenes

Concen: 201.907 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044872.D

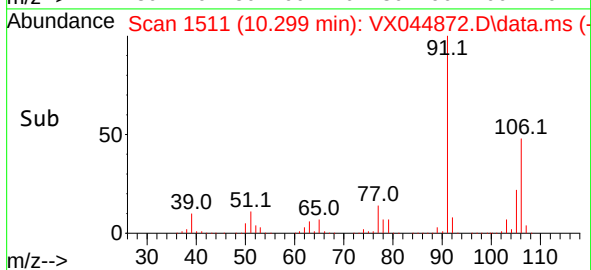
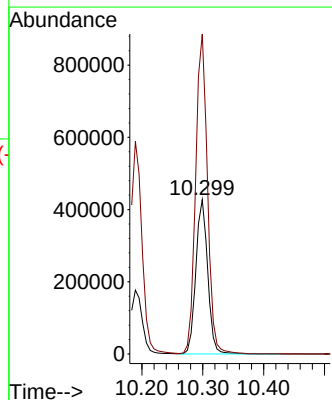
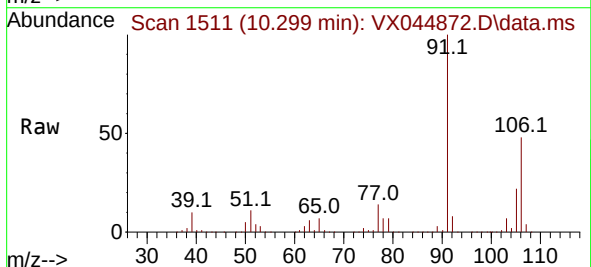
Acq: 10 Feb 2025 12:05

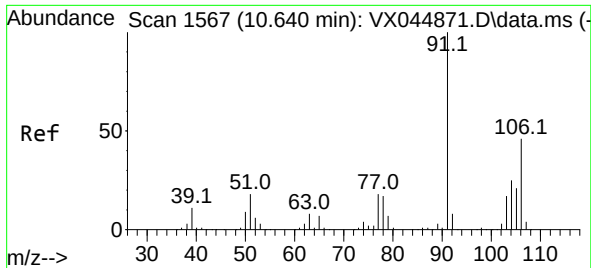
Tgt Ion:106 Resp: 575559

Ion Ratio Lower Upper

106 100

91 207.1 164.3 246.5

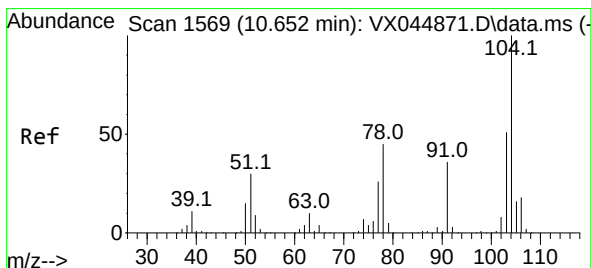
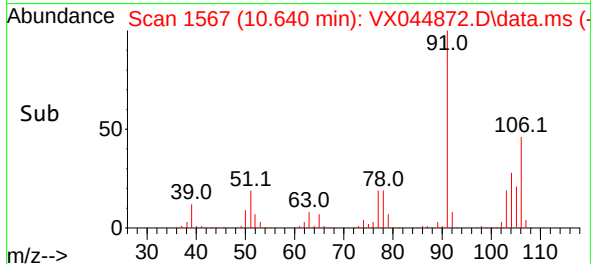
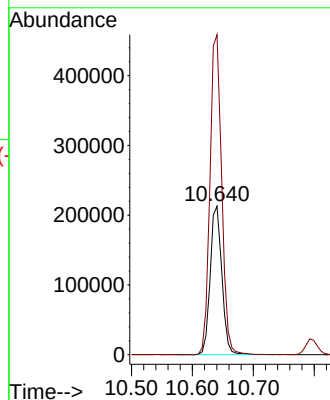
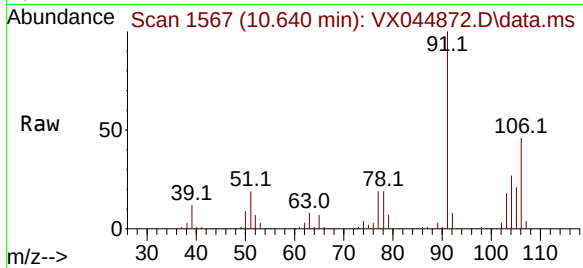




#69
o-Xylene
Concen: 98.530 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

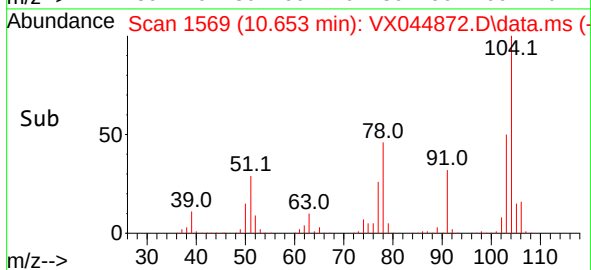
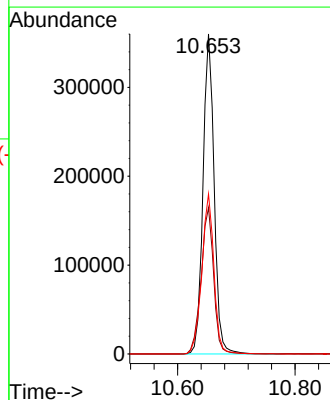
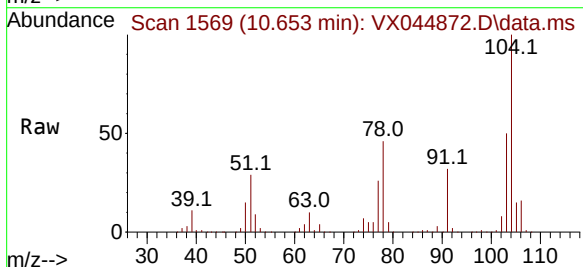
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

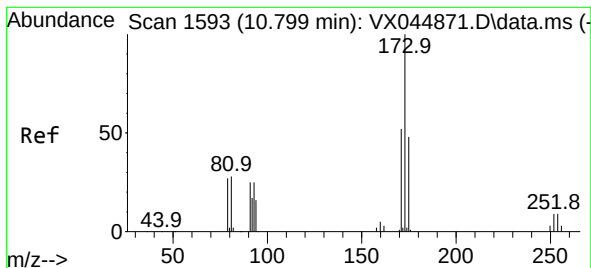
Tgt Ion:106 Resp: 281830
Ion Ratio Lower Upper
106 100
91 217.3 108.5 325.5



#70
Styrene
Concen: 102.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:104 Resp: 473403
Ion Ratio Lower Upper
104 100
78 51.5 40.5 60.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 106.827 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

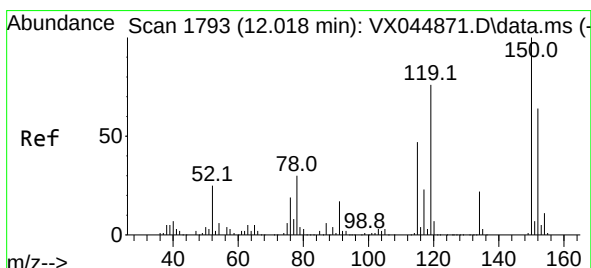
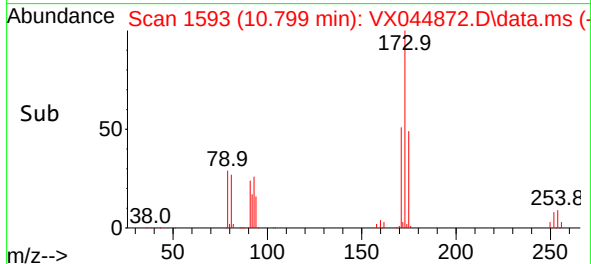
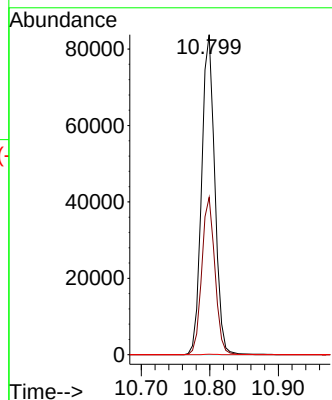
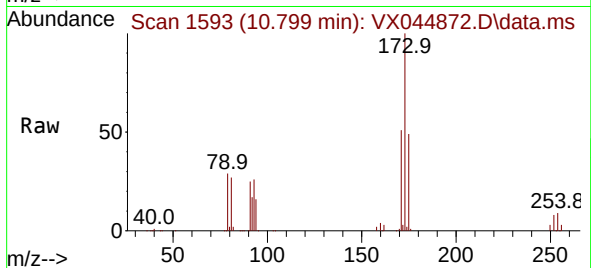
Tgt Ion:173 Resp: 112371

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

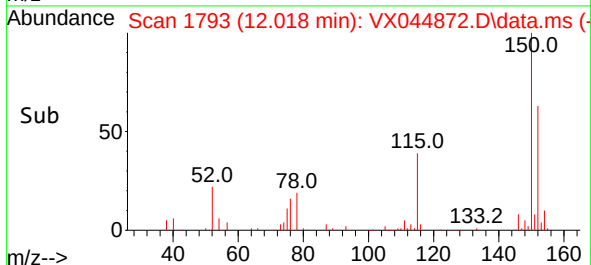
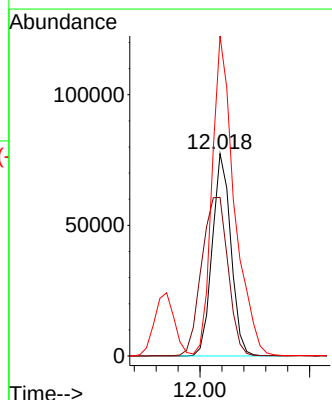
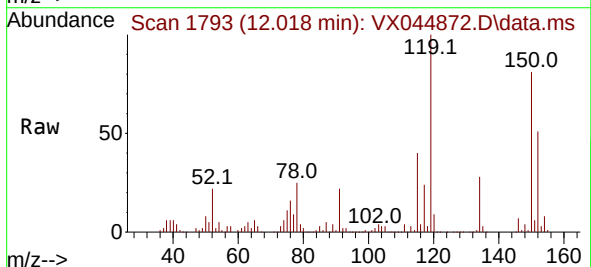
Tgt Ion:152 Resp: 91371

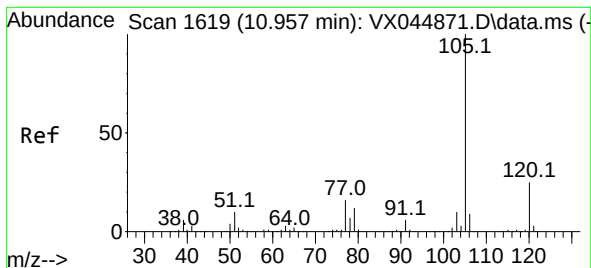
Ion Ratio Lower Upper

152 100

115 111.2 43.4 130.1

150 189.1 0.0 350.4





#73

Isopropylbenzene

Concen: 97.854 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

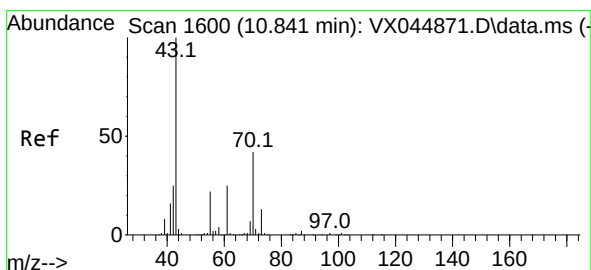
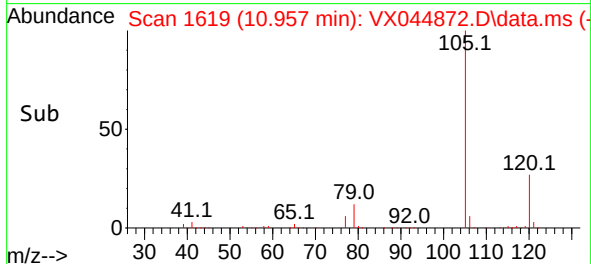
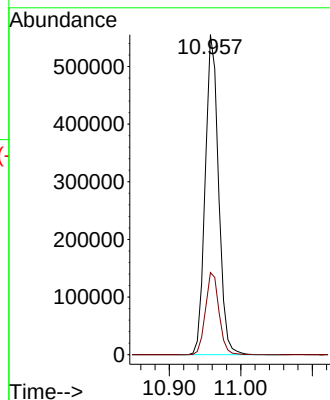
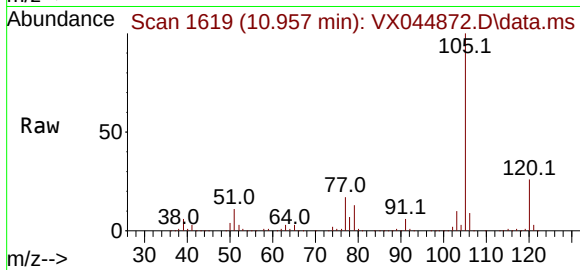
VSTDICC100

Tgt Ion:105 Resp: 719923

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 103.687 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193

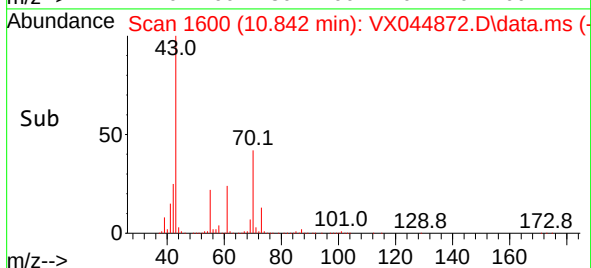
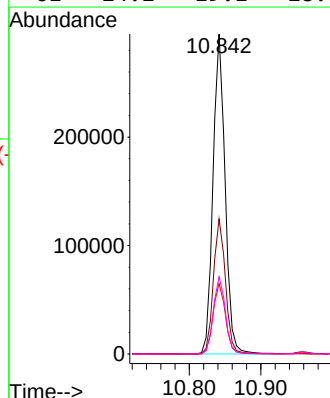
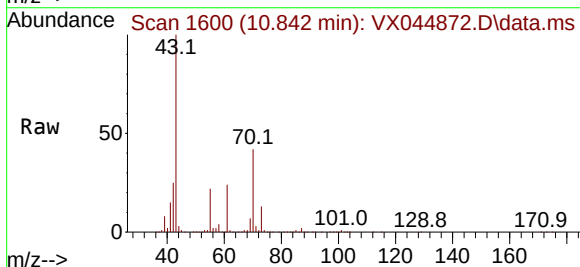
Ion Ratio Lower Upper

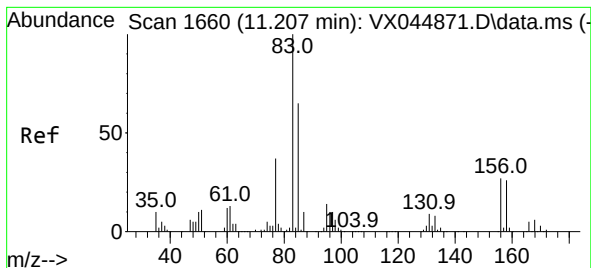
43 100

70 42.4 33.7 50.5

55 22.6 18.6 27.8

61 24.2 19.1 28.7

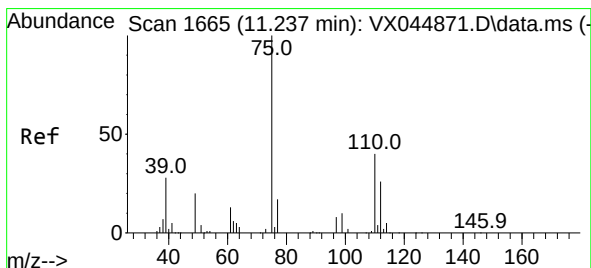
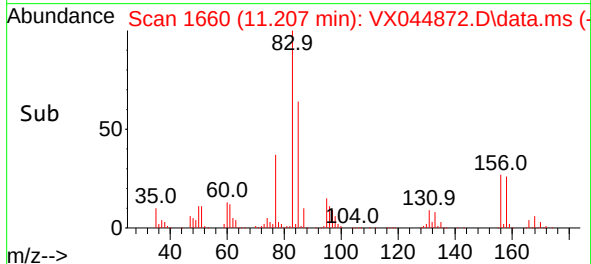
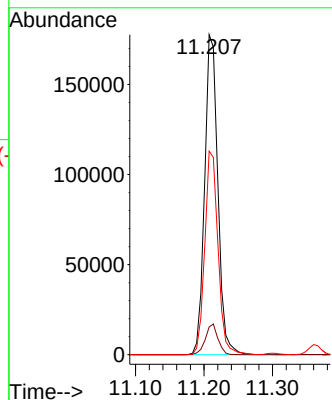
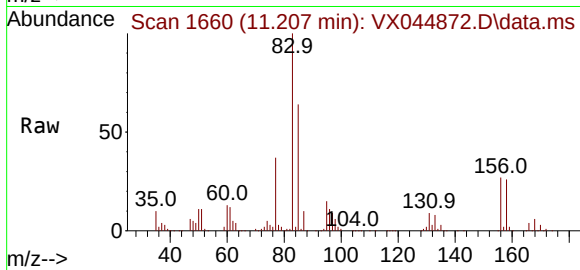




#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

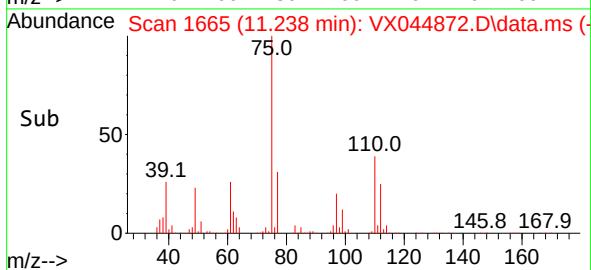
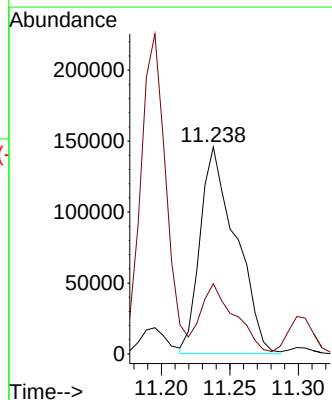
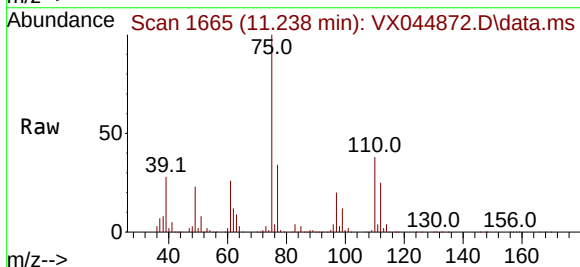
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

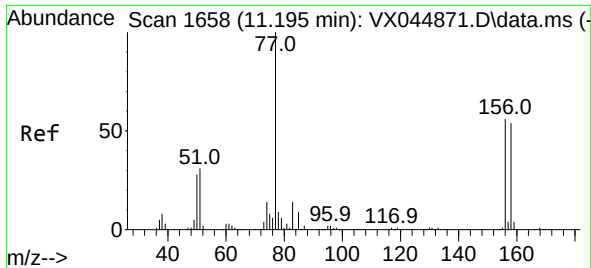
Tgt Ion: 83 Resp: 238529
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 63.9 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 130.869 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 265118
Ion Ratio Lower Upper
75 100
77 32.5 21.9 65.7

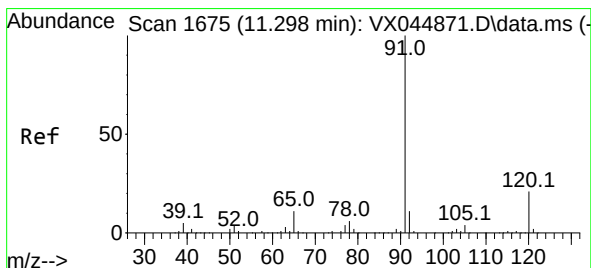
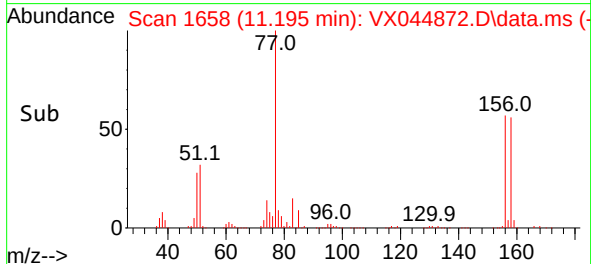
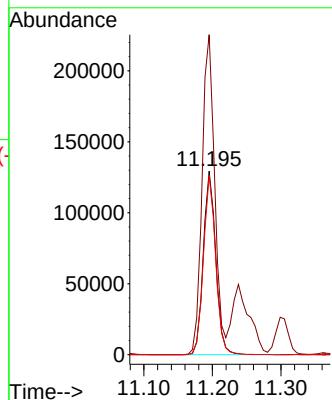
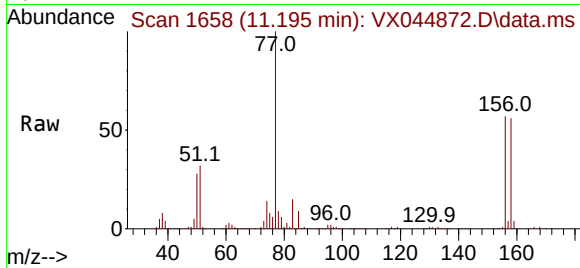




#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

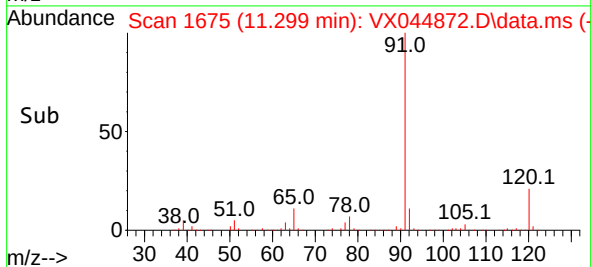
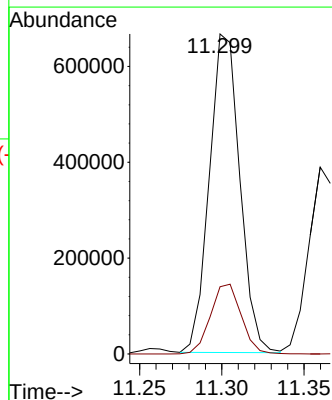
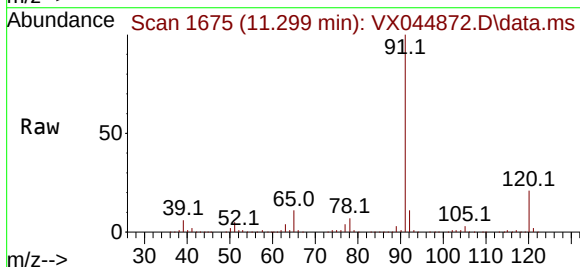
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

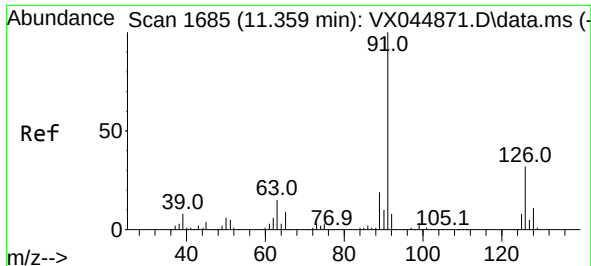
Tgt Ion:156 Resp: 163845
Ion Ratio Lower Upper
156 100
77 176.7 88.4 265.3
158 95.7 48.4 145.2



#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 858793
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 95.257 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

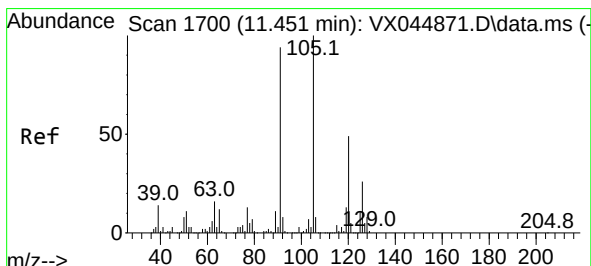
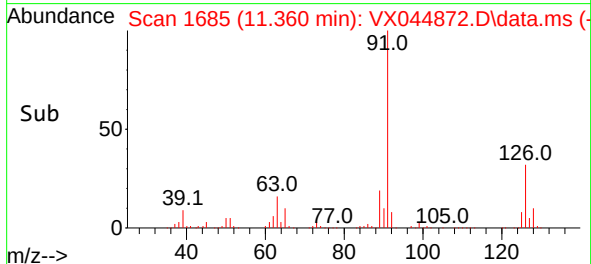
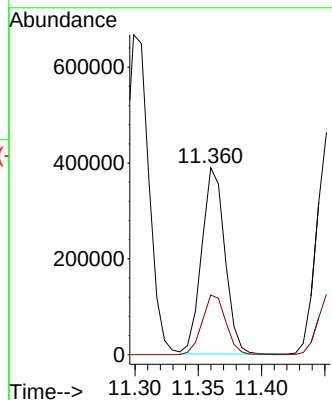
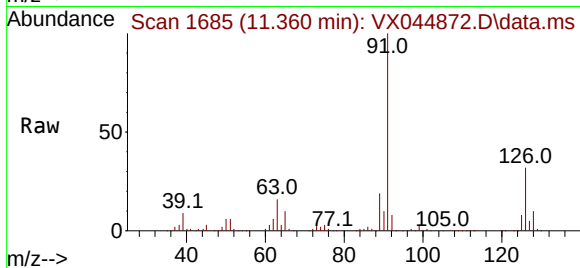
VSTDICC100

Tgt Ion: 91 Resp: 497149

Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 97.966 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044872.D

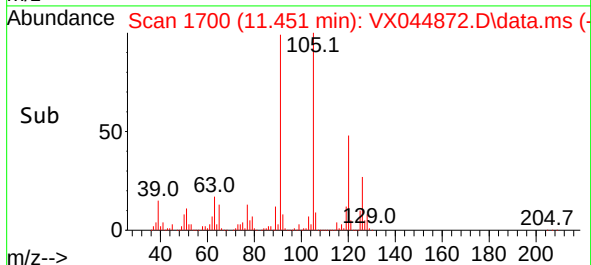
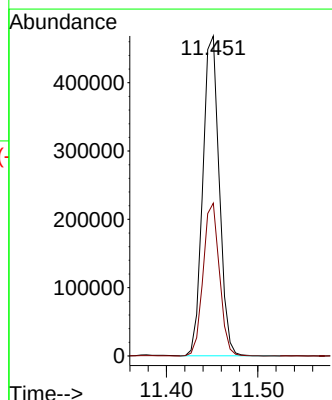
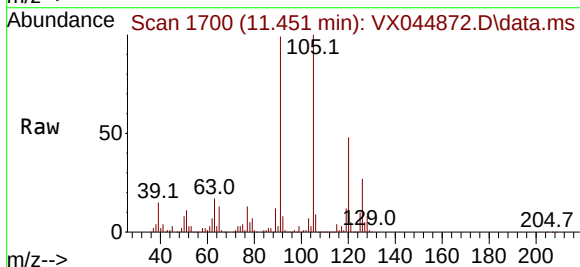
Acq: 10 Feb 2025 12:05

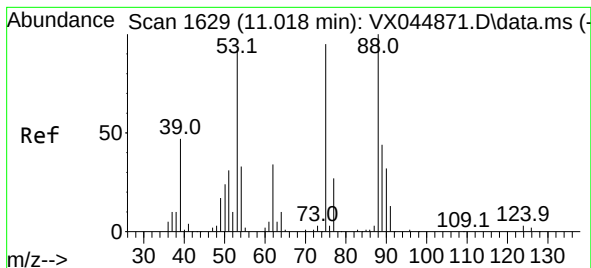
Tgt Ion: 105 Resp: 584885

Ion Ratio Lower Upper

105 100

120 47.4 24.0 72.0

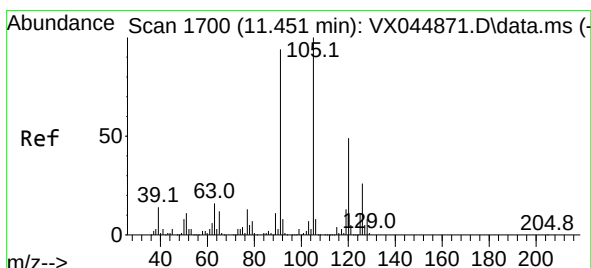
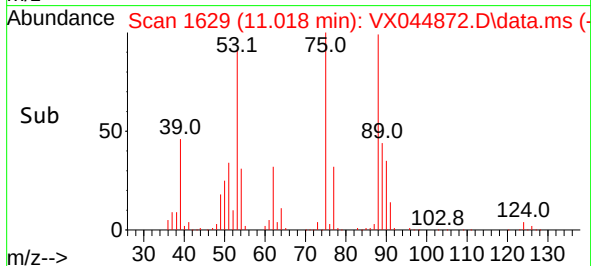
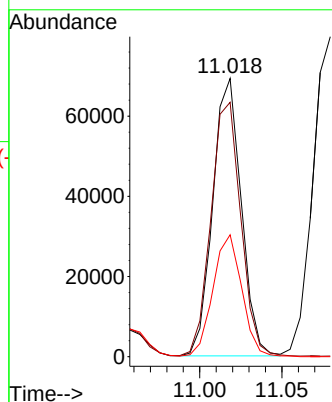
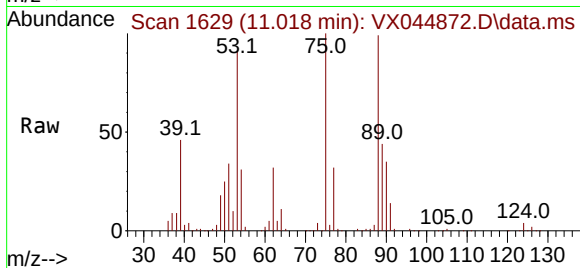




#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

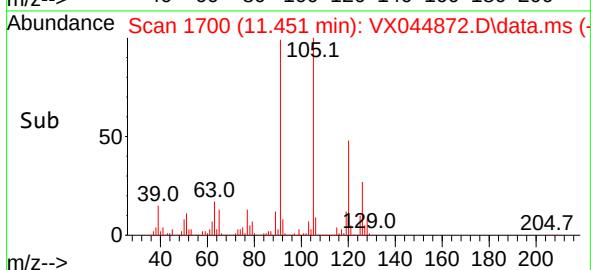
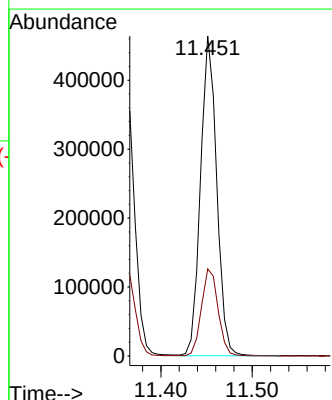
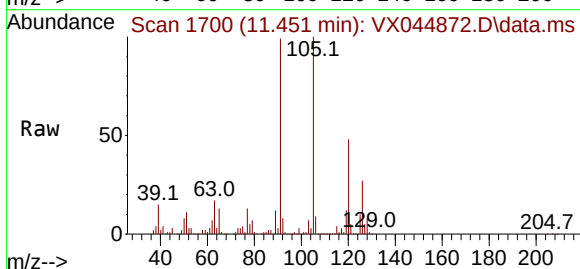
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

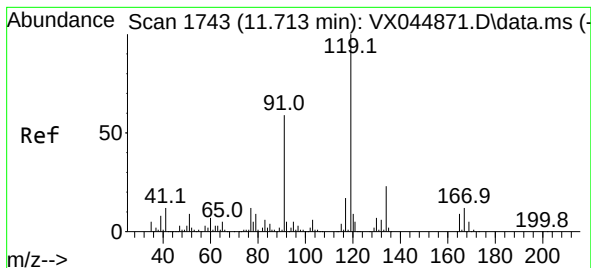
Tgt Ion: 75 Resp: 83483
Ion Ratio Lower Upper
75 100
53 95.9 78.0 117.0
89 44.6 36.6 54.8



#82
4-Chlorotoluene
Concen: 98.634 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6

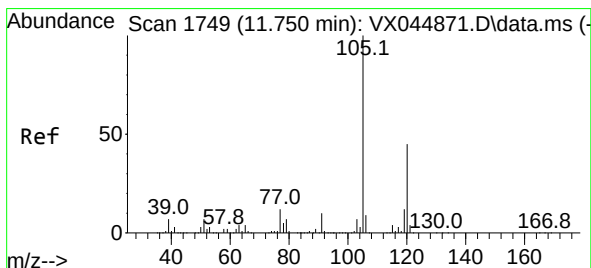
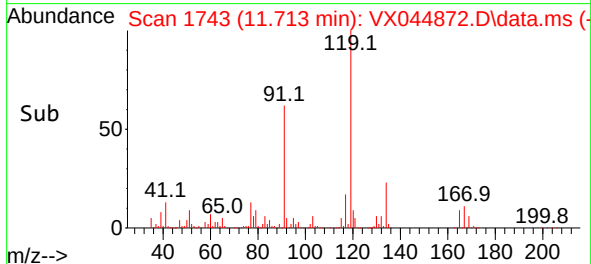
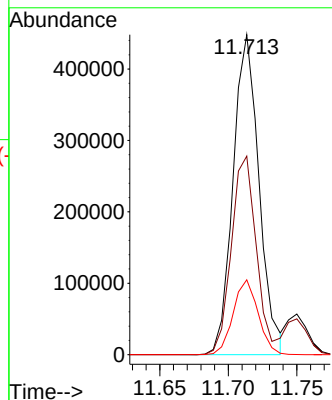
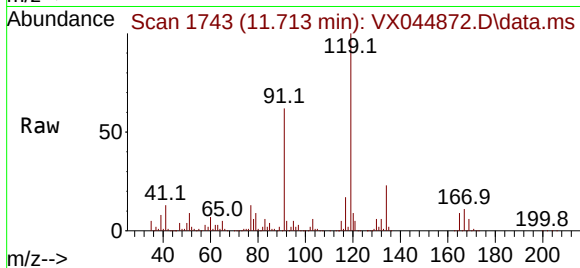




#83
 tert-Butylbenzene
 Concen: 97.917 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

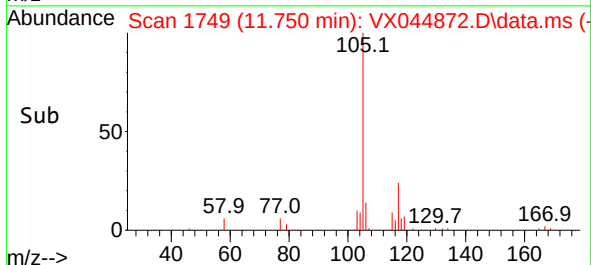
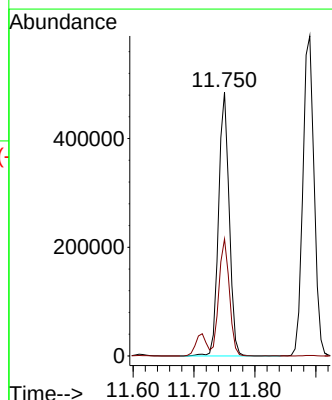
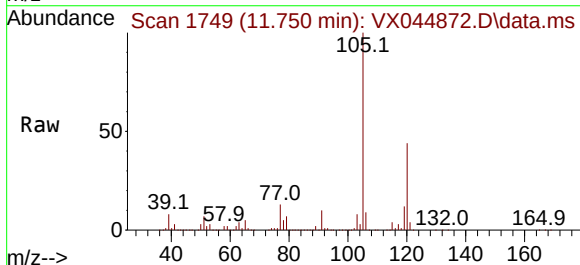
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

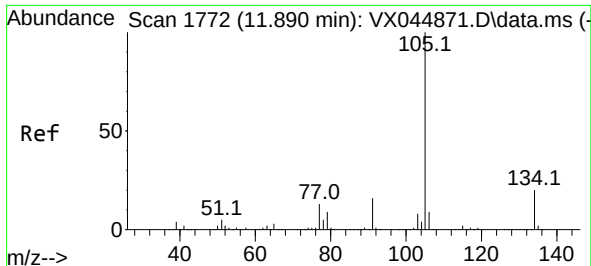
Tgt Ion:119 Resp: 591396
 Ion Ratio Lower Upper
 119 100
 91 59.2 29.1 87.4
 134 22.6 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 99.851 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 588385
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.0

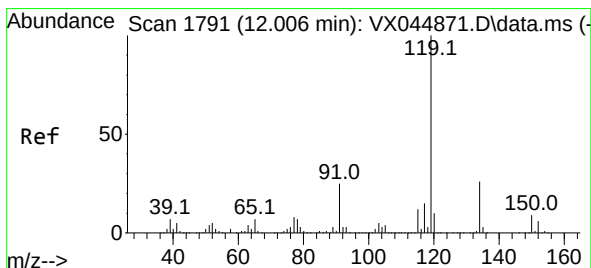
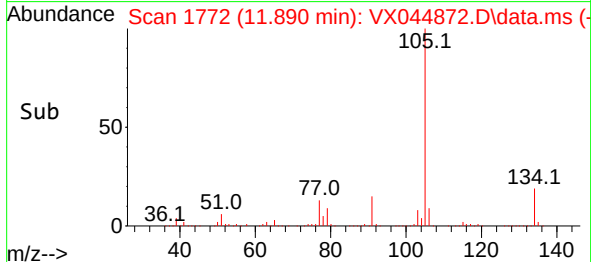
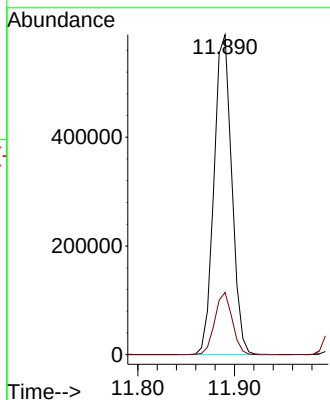
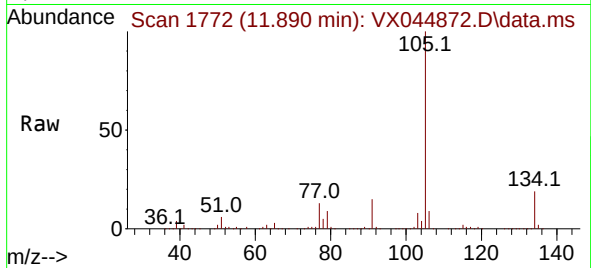




#85
sec-Butylbenzene
Concen: 100.219 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

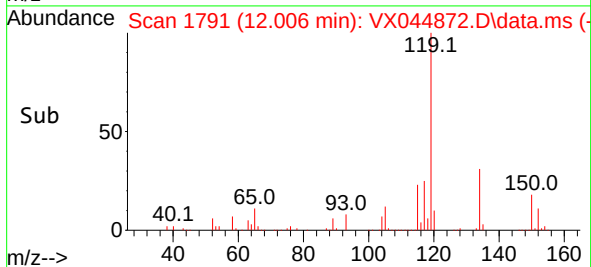
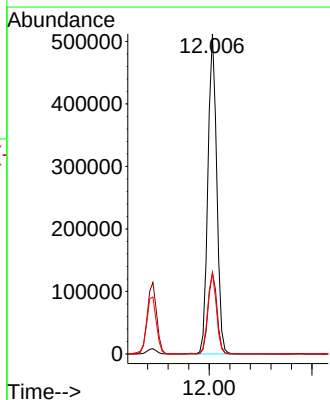
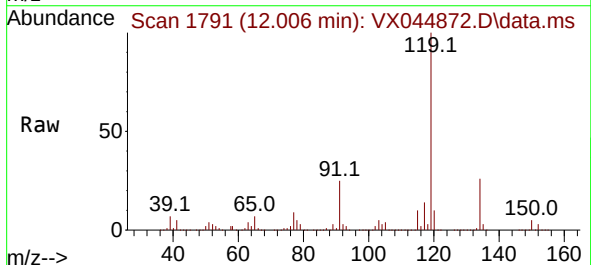
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

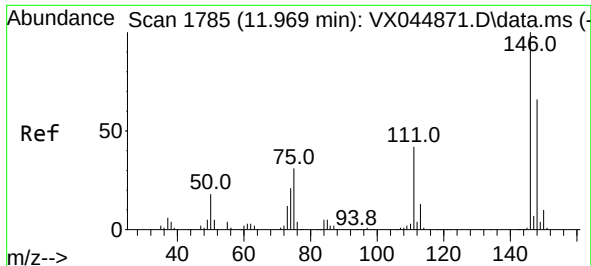
Tgt Ion:105 Resp: 749534
Ion Ratio Lower Upper
105 100
134 19.2 9.8 29.3



#86
p-Isopropyltoluene
Concen: 101.019 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 607577
Ion Ratio Lower Upper
119 100
134 25.8 13.0 38.9
91 25.0 12.1 36.3

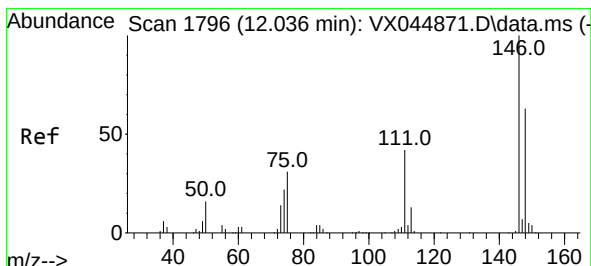
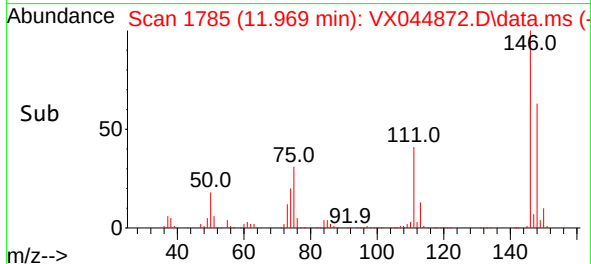
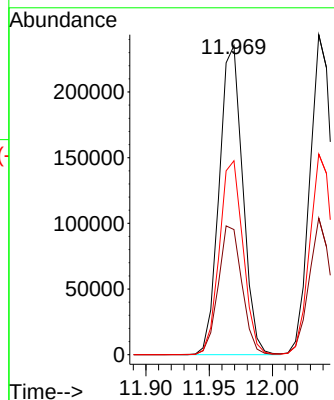
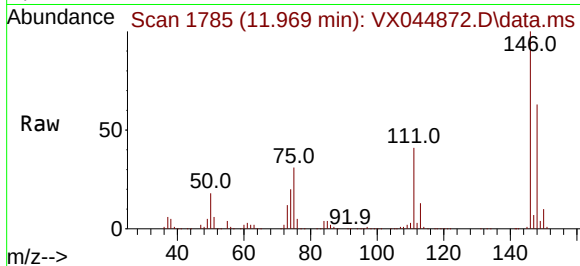




#87
1,3-Dichlorobenzene
Concen: 99.061 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

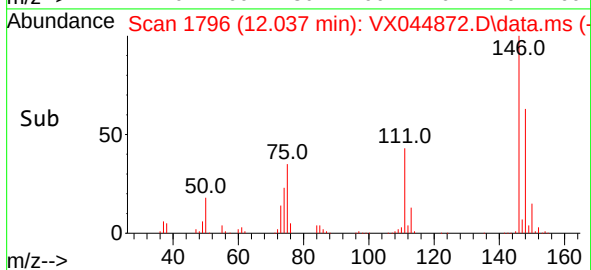
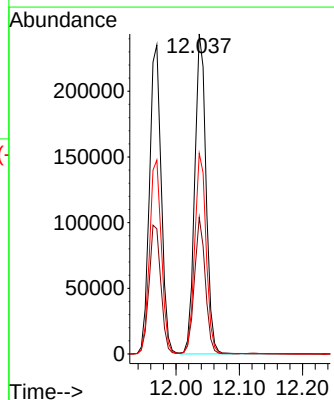
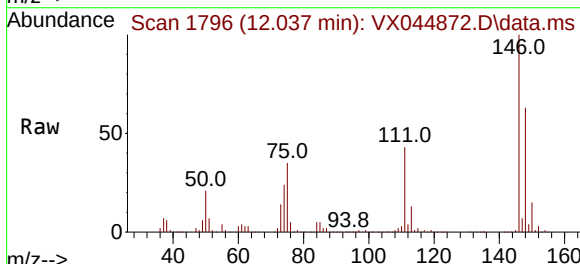
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

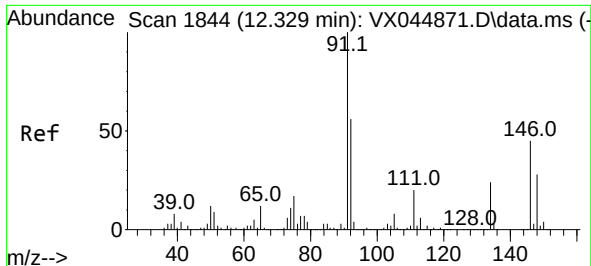
Tgt Ion:146 Resp: 303851
Ion Ratio Lower Upper
146 100
111 42.0 21.2 63.6
148 63.1 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 97.830 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:146 Resp: 303417
Ion Ratio Lower Upper
146 100
111 41.1 20.4 61.3
148 63.0 32.0 96.0





#89

n-Butylbenzene

Concen: 109.686 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

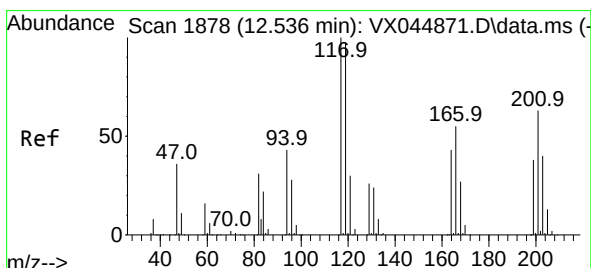
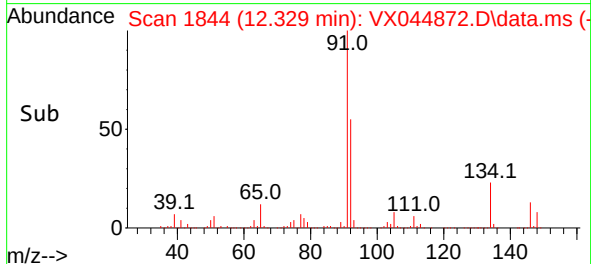
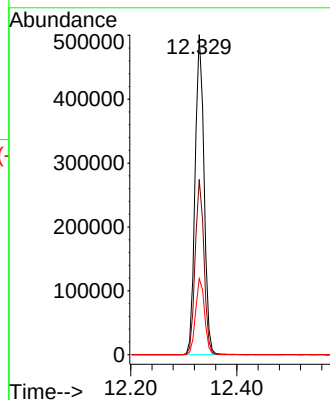
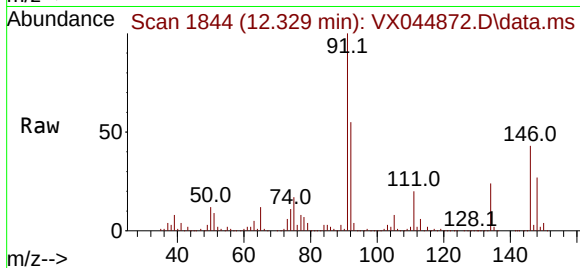
Tgt Ion: 91 Resp: 583634

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

134 24.0 12.1 36.3



#90

Hexachloroethane

Concen: 104.365 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044872.D

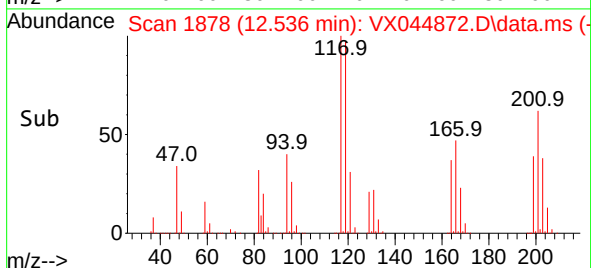
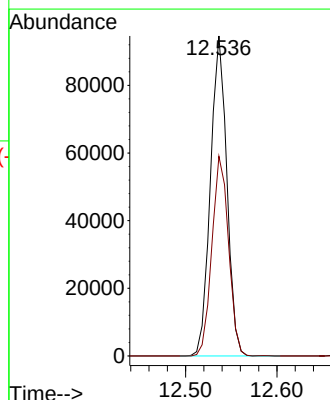
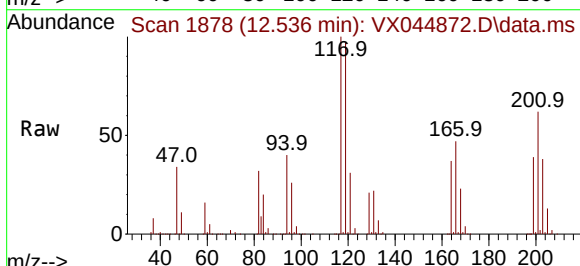
Acq: 10 Feb 2025 12:05

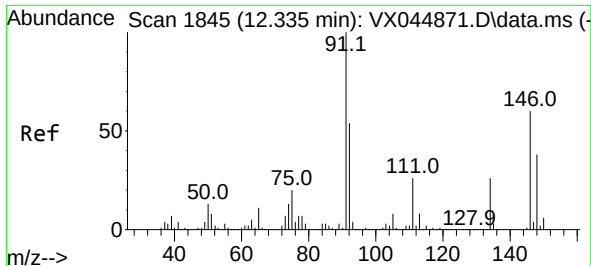
Tgt Ion: 117 Resp: 117533

Ion Ratio Lower Upper

117 100

201 63.4 32.5 97.5

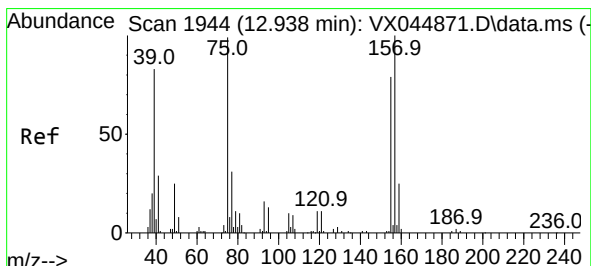
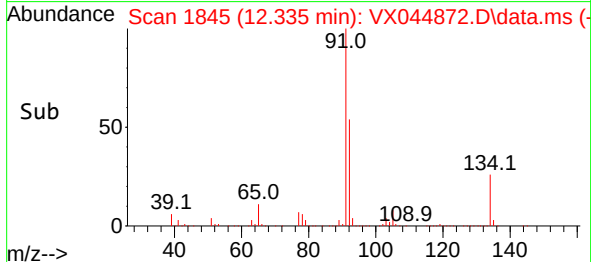
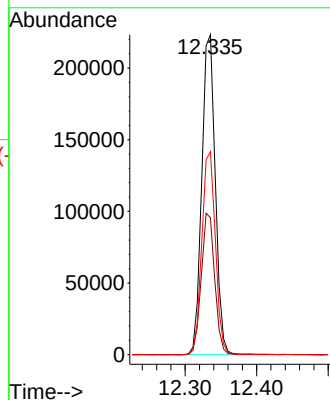
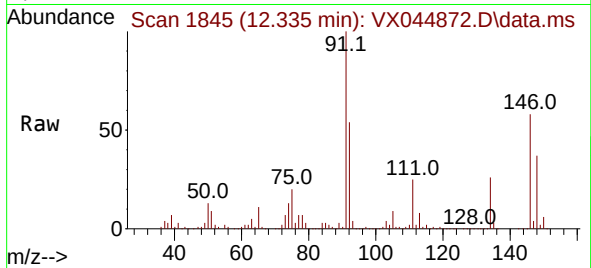




#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

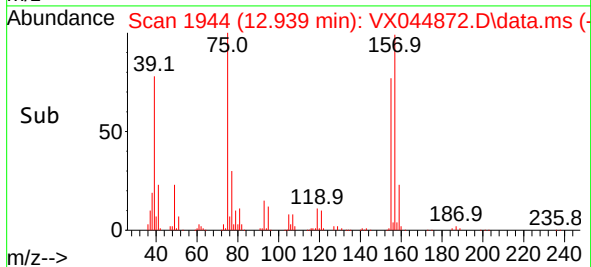
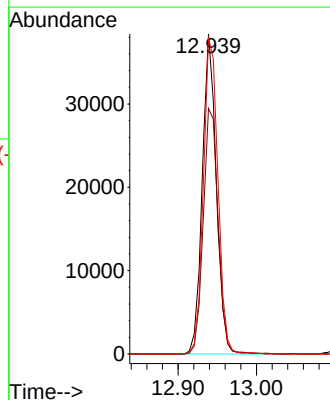
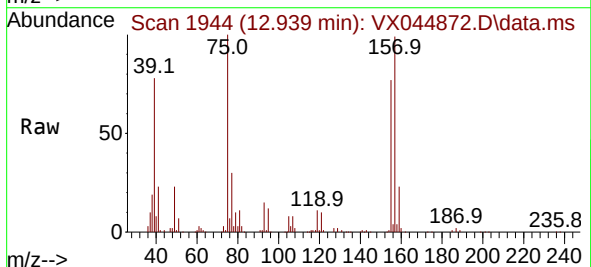
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

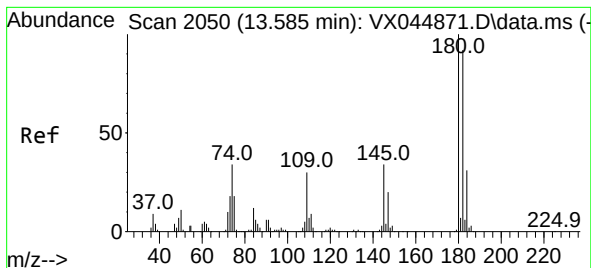
Tgt Ion:146 Resp: 293151
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.9 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745
Ion Ratio Lower Upper
75 100
155 81.0 40.5 121.4
157 102.3 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 105.921 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

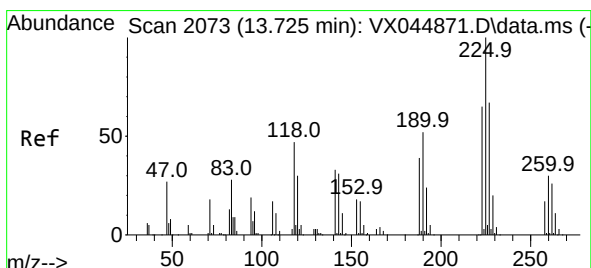
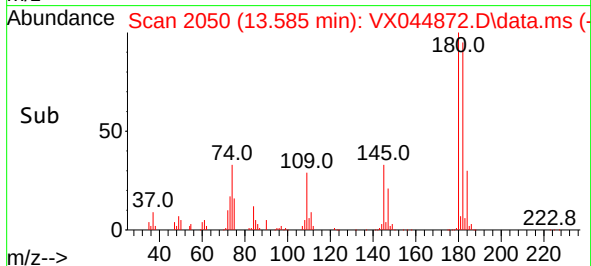
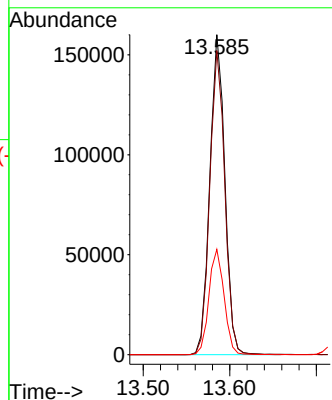
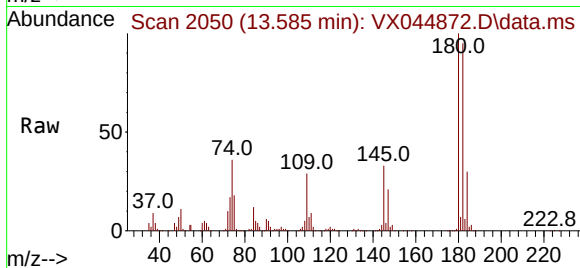
Tgt Ion:180 Resp: 193214

Ion Ratio Lower Upper

180 100

182 94.8 47.6 142.8

145 33.2 16.4 49.1



#94

Hexachlorobutadiene

Concen: 103.024 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

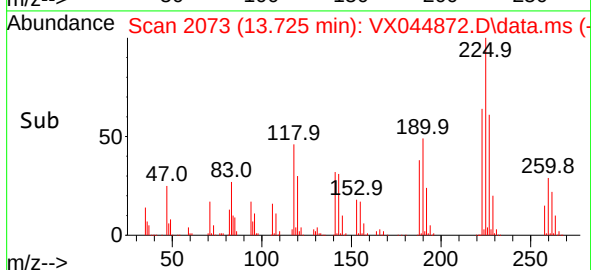
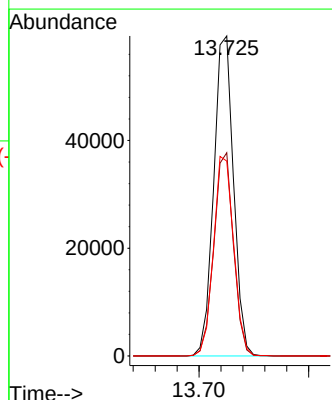
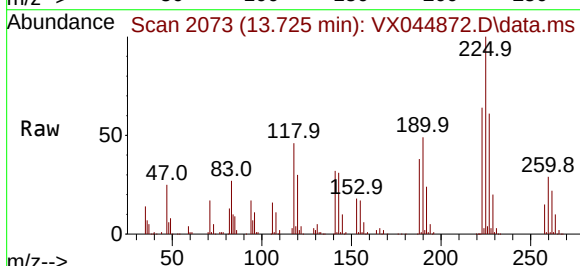
Tgt Ion:225 Resp: 74605

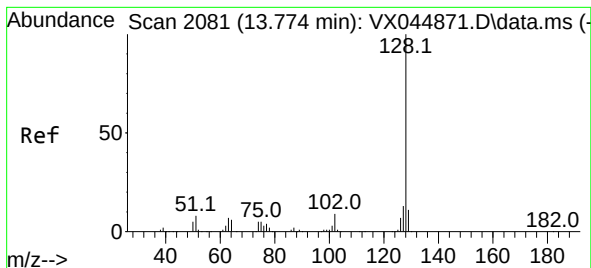
Ion Ratio Lower Upper

225 100

223 62.9 31.4 94.2

227 63.5 32.3 96.8

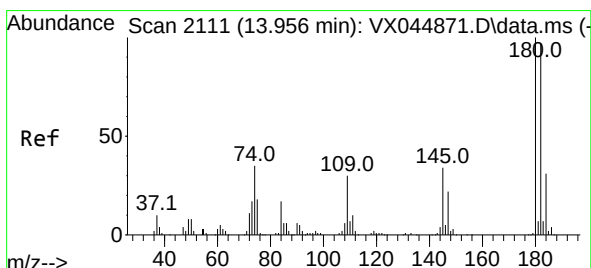
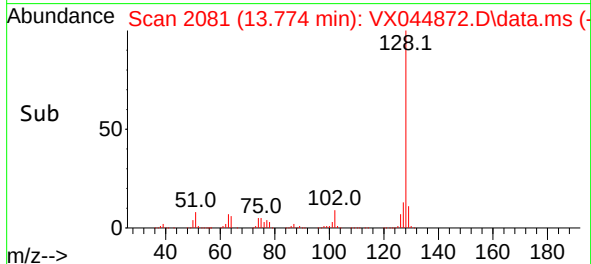
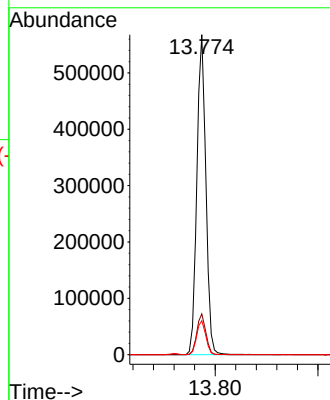
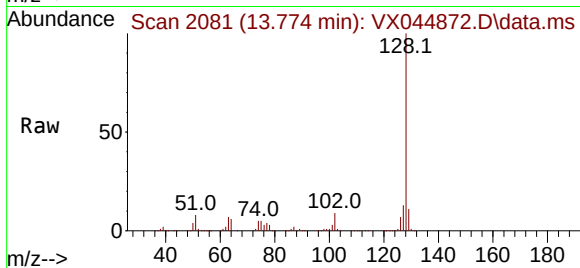




#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

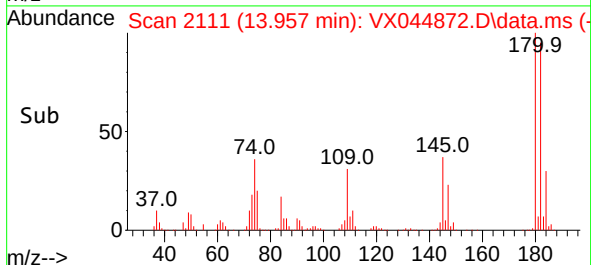
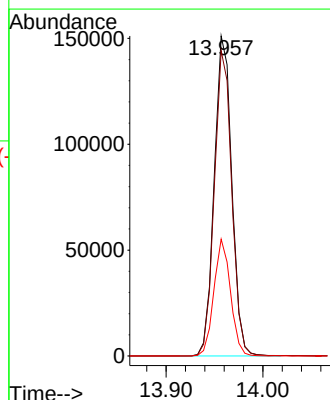
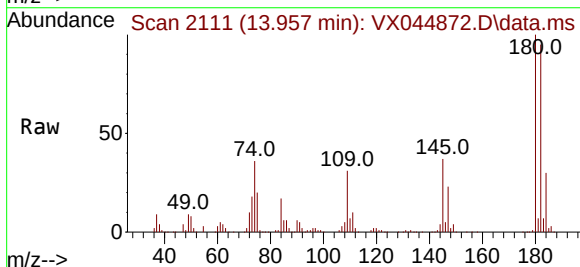
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 689104
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 190534
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.6
145 34.6 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 11 02:02:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	125253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 306.360%#	
35) Dibromofluoromethane	5.379	113	229218	151.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 303.140%#	
50) Toluene-d8	8.647	98	845632	147.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 295.760%#	
62) 4-Bromofluorobenzene	11.079	95	287486	149.124	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 298.240%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330	ug/l	96
3) Chloromethane	1.307	50	297968	139.361	ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723	ug/l	99
5) Bromomethane	1.593	94	92399	149.071	ug/l	96
6) Chloroethane	1.660	64	67889	130.289	ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558	ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147	ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887	ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734	ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989	ug/l	99
13) Acrolein	2.239	56	273178	778.418	ug/l	100
14) Allyl chloride	2.654	41	438493	150.289	ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423	ug/l	99
16) Acetone	2.386	43	547939	743.398	ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665	ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347	ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356	ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020	ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993	ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959	ug/l	99
25) 2-Butanone	4.556	43	914741	764.276	ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446	ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458	ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977	ug/l	99
30) Chloroform	5.086	83	453809	151.509	ug/l	99
31) Cyclohexane	5.458	56	423464	148.722	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996	ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585	ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956	ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921	ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130	ug/l	99
40) Benzene	6.031	78	1014129	148.856	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 11 02:02:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l	100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l	99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l	99
44) Trichloroethene	7.117	130	239030	153.496	ug/l	99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l	100
46) Dibromomethane	7.574	93	179689	152.870	ug/l	99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l	98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l	99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l	100
52) Toluene	8.714	92	603113	148.645	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l	98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l	99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l	100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l	99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l	99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l	99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l	96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l	99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l	100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l	98
69) o-Xylene	10.640	106	401928	145.674	ug/l	99
70) Styrene	10.653	104	671843	151.140	ug/l	98
71) Bromoform	10.799	173	169481	167.033	ug/l #	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l	99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	392008	208.411	ug/l	82
77) Bromobenzene	11.195	156	234957	151.715	ug/l	99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l	99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l	98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l	99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l	99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l	100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l	100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l	100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l	98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l	97
95) Naphthalene	13.774	128	1015801	165.916	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

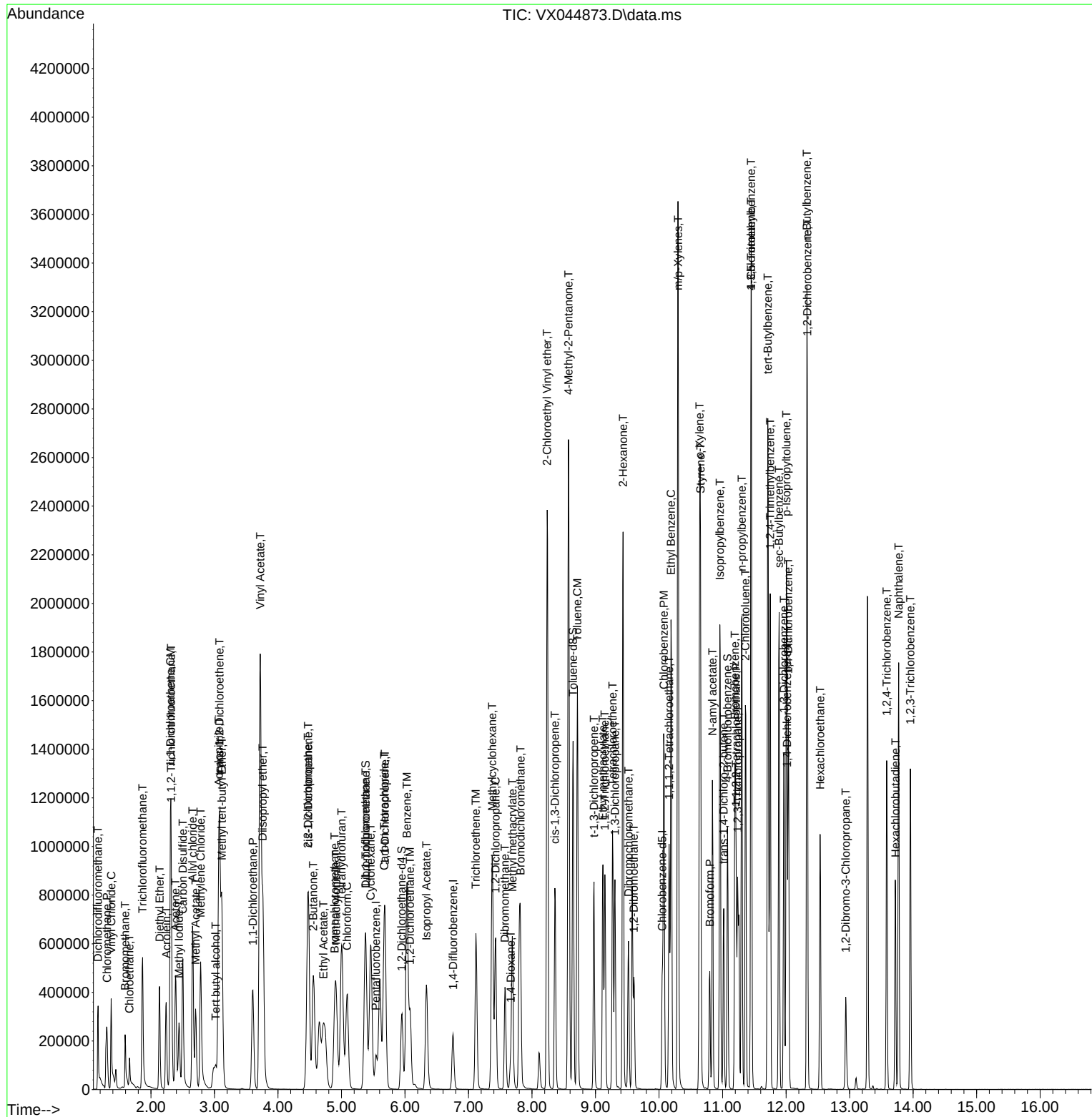
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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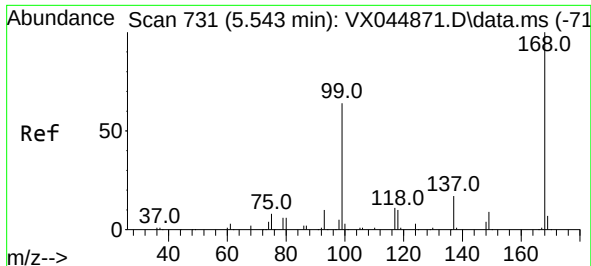
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

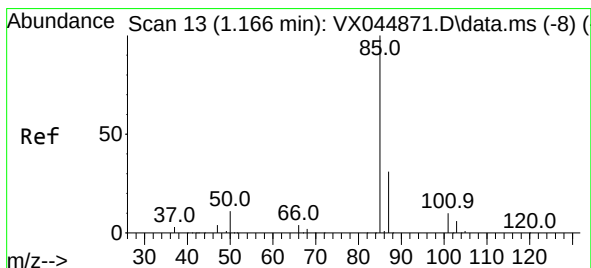
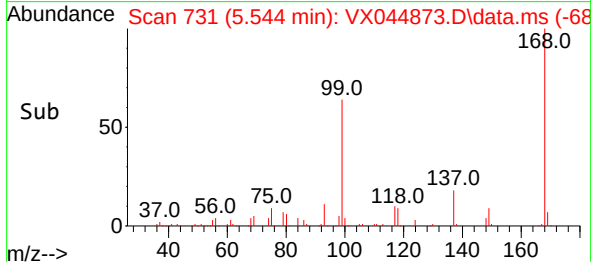
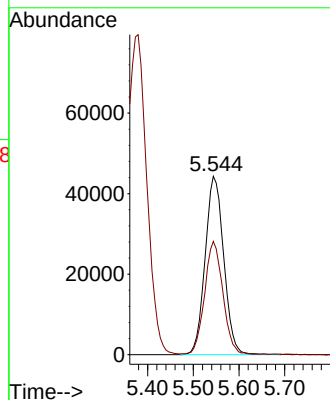
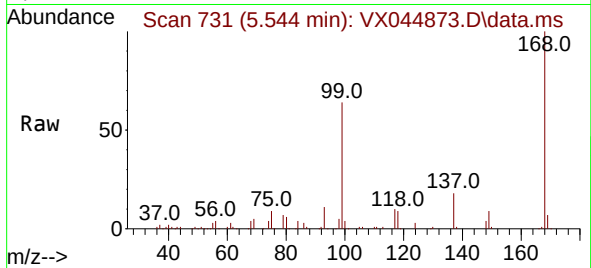




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

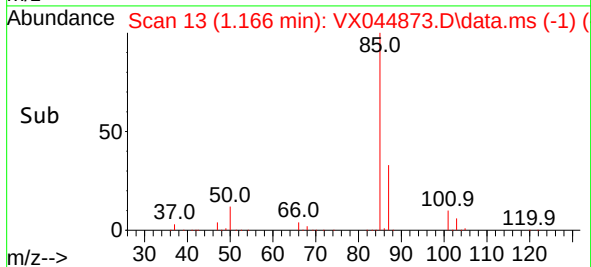
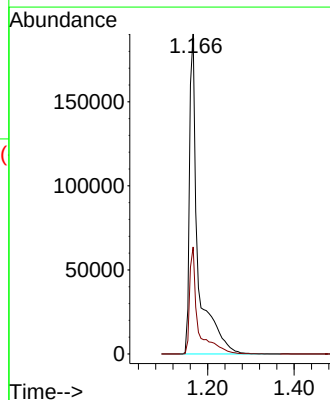
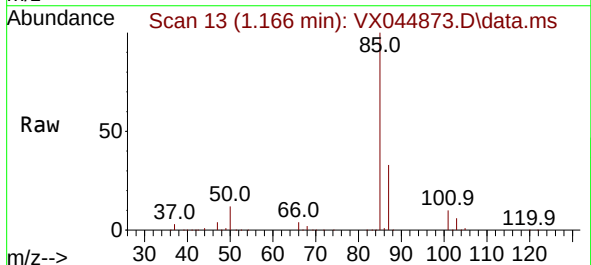
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

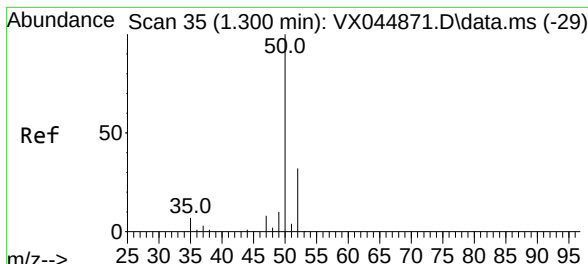
Tgt Ion:168 Resp: 125253
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 148.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 85 Resp: 260576
Ion Ratio Lower Upper
85 100
87 33.4 15.8 47.3

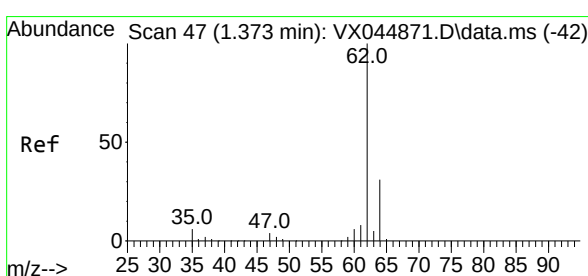
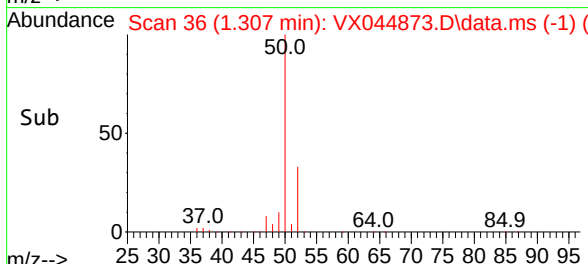
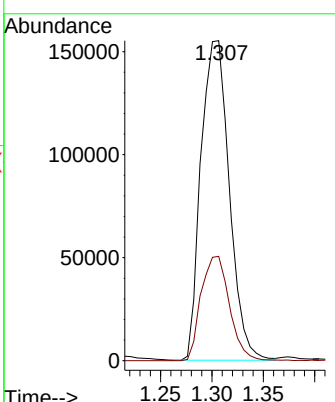
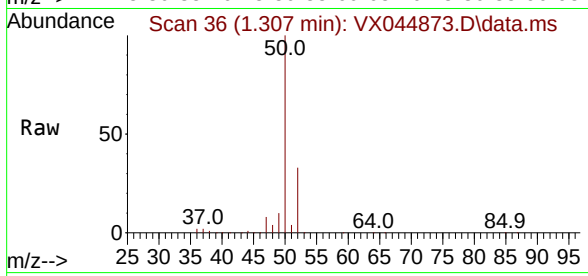




#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

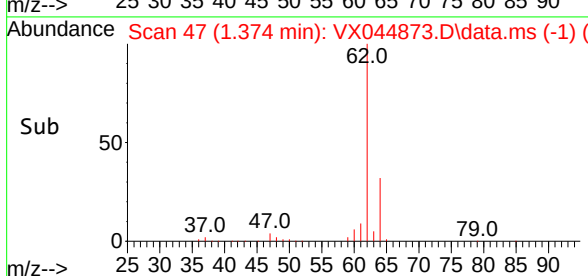
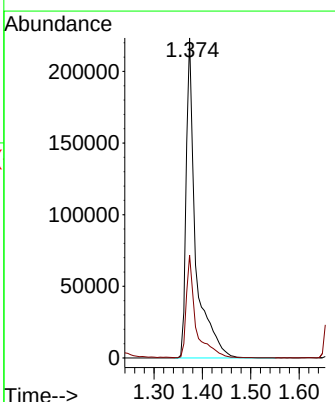
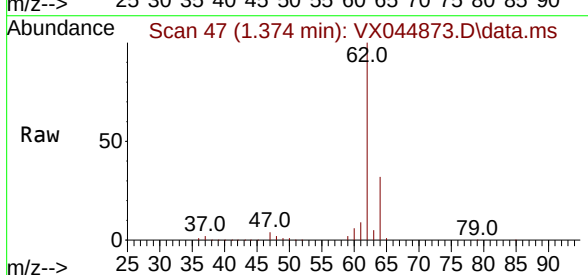
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

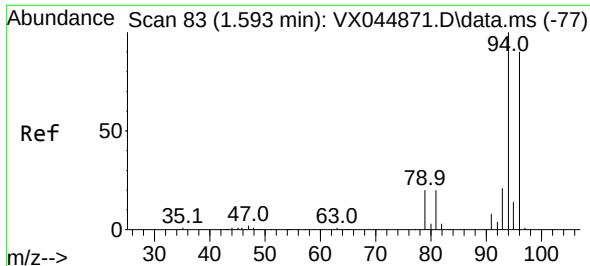
Tgt Ion:	50	Resp:	297968
Ion Ratio	Lower	Upper	
50	100		
52	32.7	25.9	38.9



#4
Vinyl Chloride
Concen: 147.723 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:	62	Resp:	305986
Ion Ratio	Lower	Upper	
62	100		
64	32.1	25.4	38.0

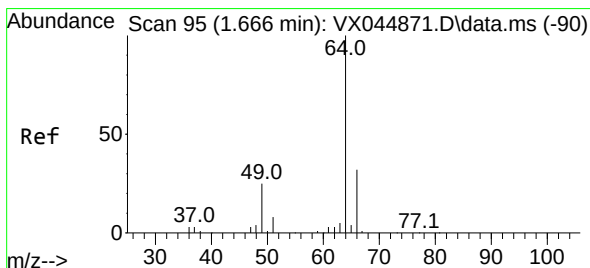
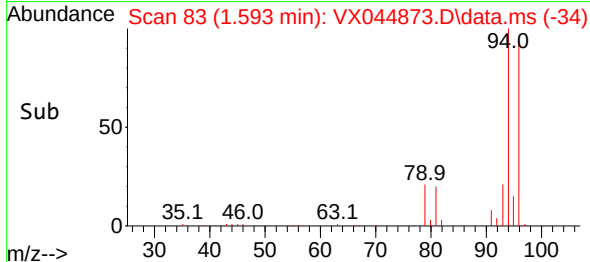
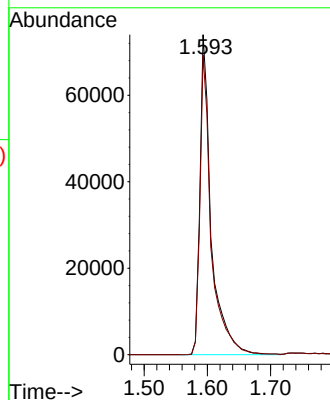
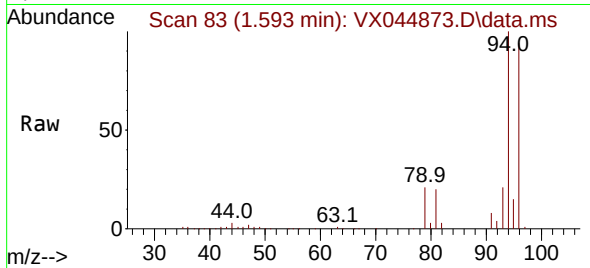




#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

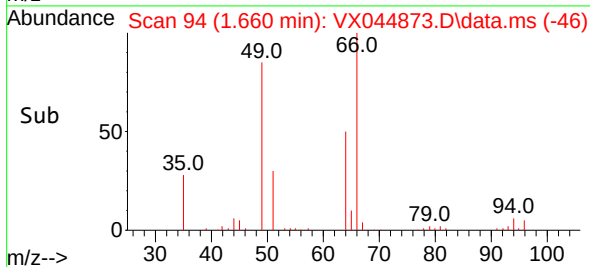
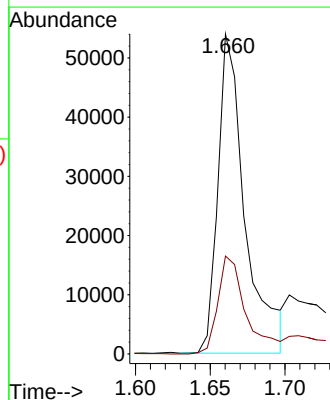
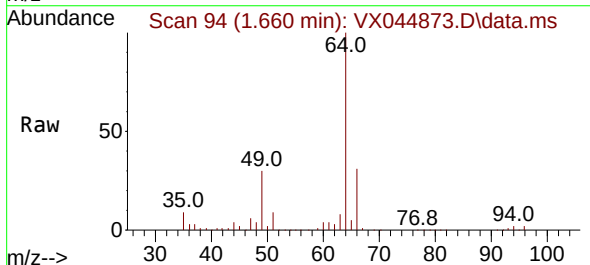
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

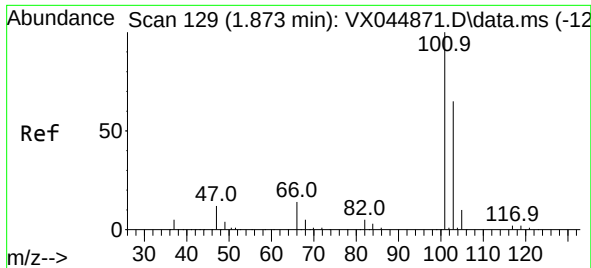
Tgt Ion: 94 Resp: 92399
Ion Ratio Lower Upper
94 100
96 93.6 71.6 107.4



#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889
Ion Ratio Lower Upper
64 100
66 30.7 25.9 38.9

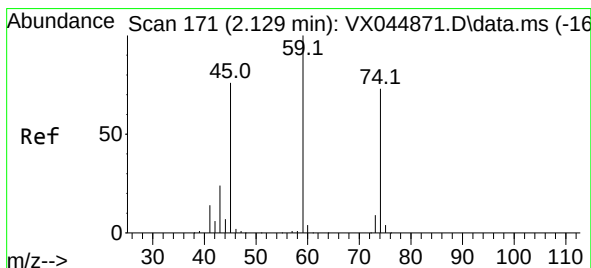
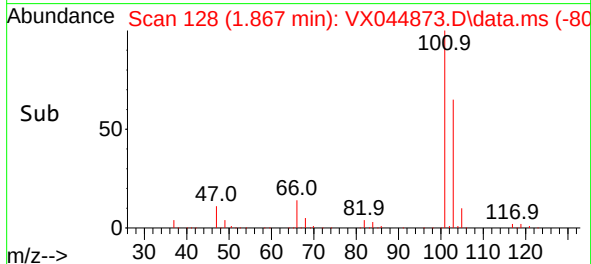
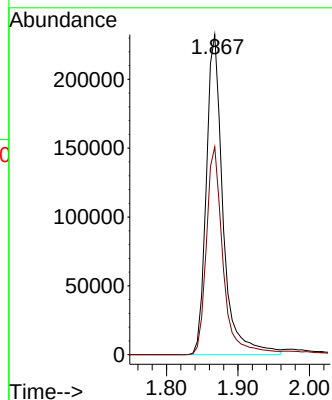
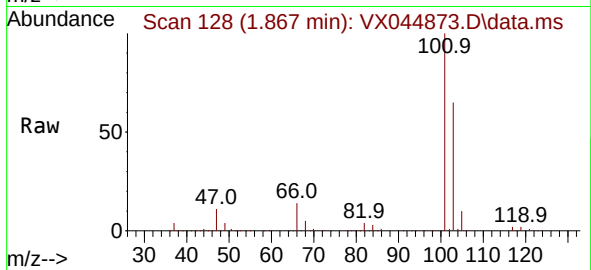




#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

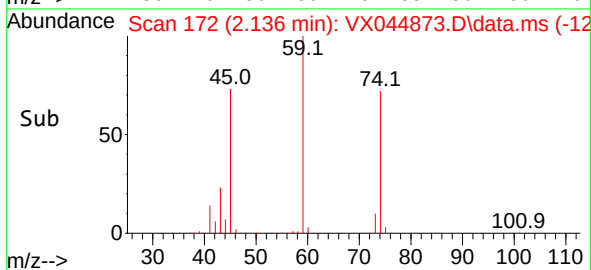
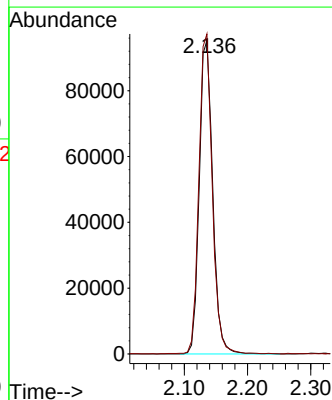
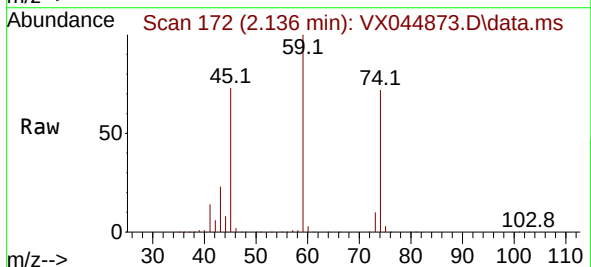
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

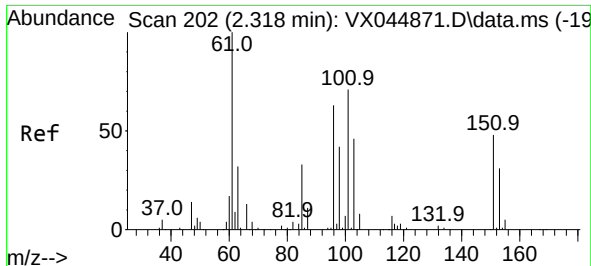
Tgt Ion:101 Resp: 378664
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6



#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428
Ion Ratio Lower Upper
74 100
45 102.1 51.1 153.4

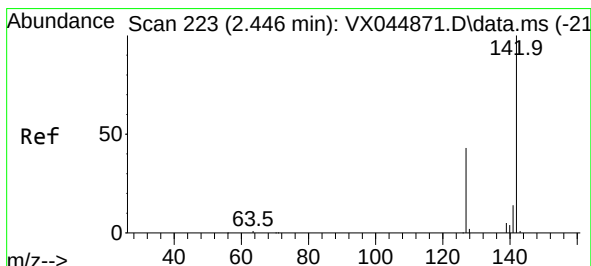
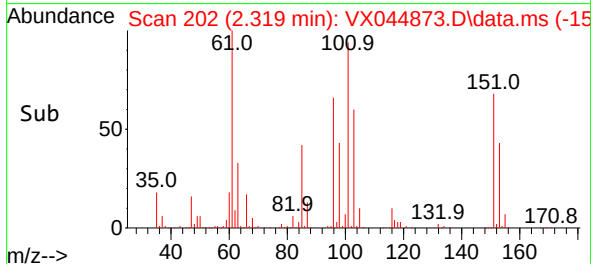
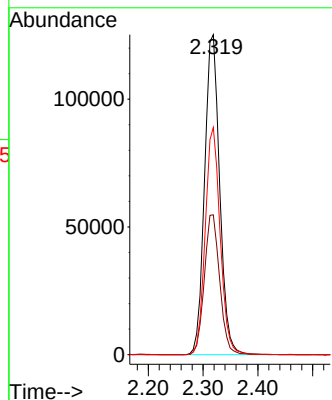
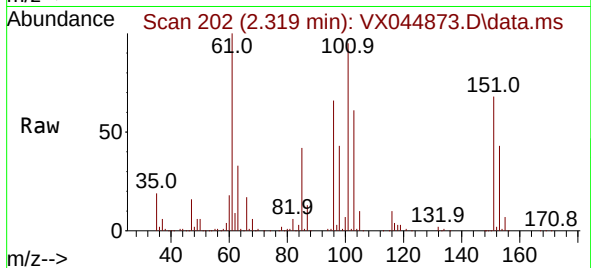




#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.147 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

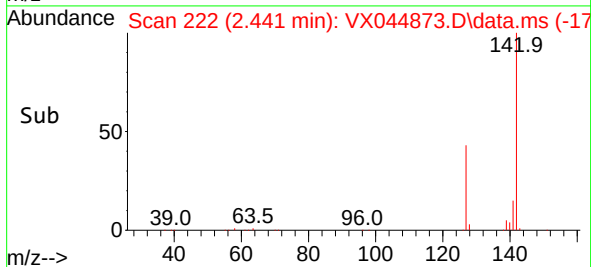
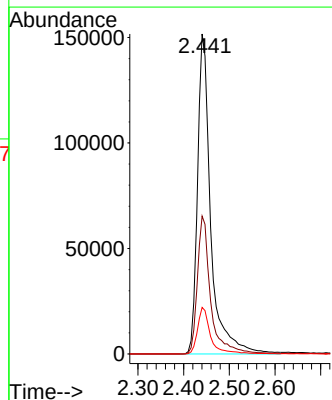
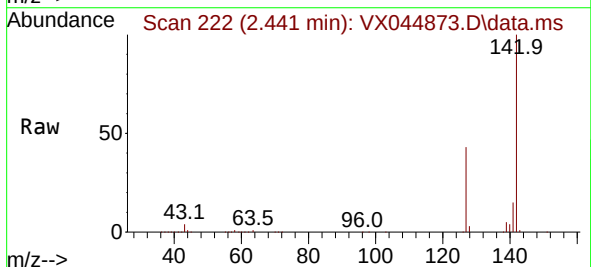
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

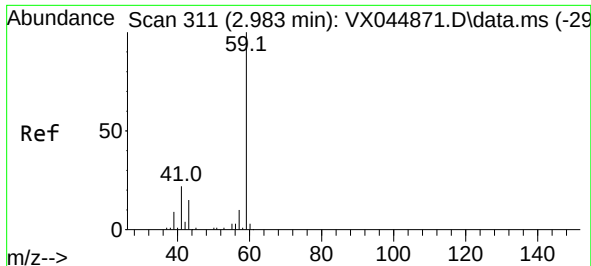
Tgt Ion:101 Resp: 239215
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 70.2 56.0 84.0



#10
Methyl Iodide
Concen: 148.887 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390
Ion Ratio Lower Upper
142 100
127 43.1 34.3 51.5
141 14.4 11.4 17.2

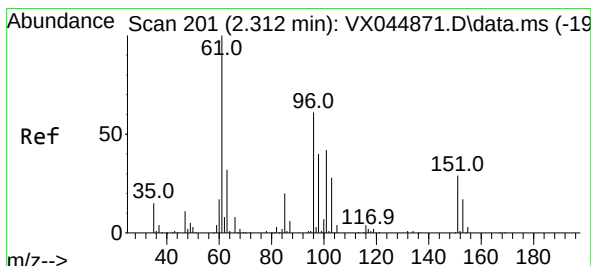
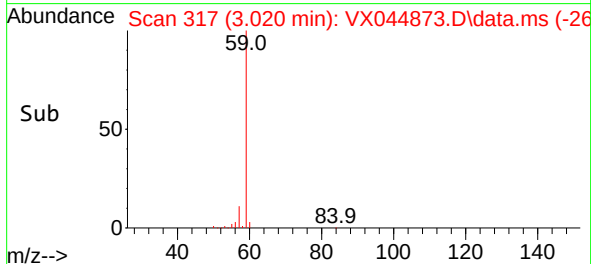
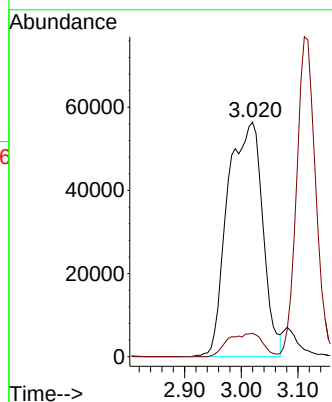
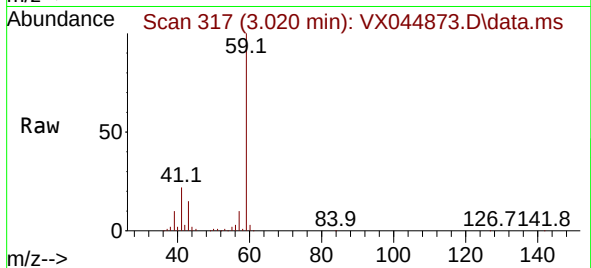




#11
Tert butyl alcohol
Concen: 712.734 ug/l
RT: 3.020 min Scan# 311
Delta R.T. 0.037 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

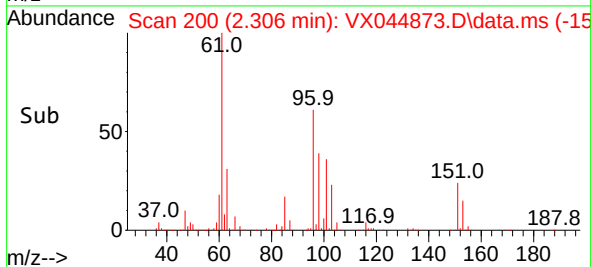
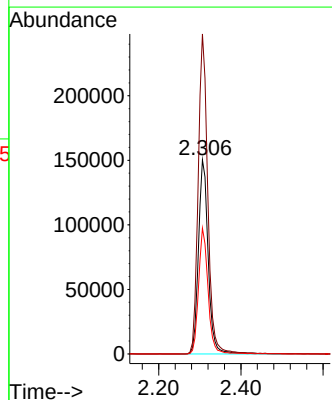
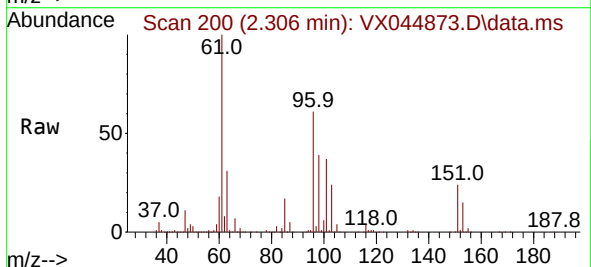
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

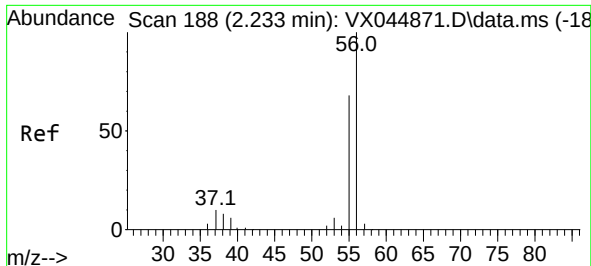
Tgt Ion: 59 Resp: 242430
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#12
1,1-Dichloroethene
Concen: 152.989 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 246987
Ion Ratio Lower Upper
96 100
61 164.9 130.2 195.4
98 64.8 52.2 78.4

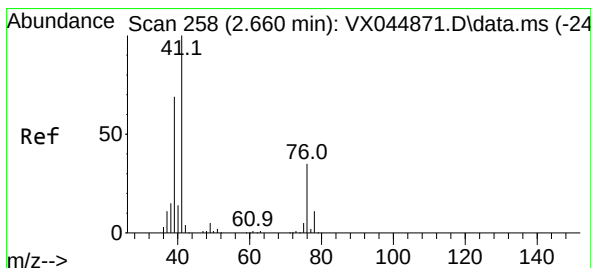
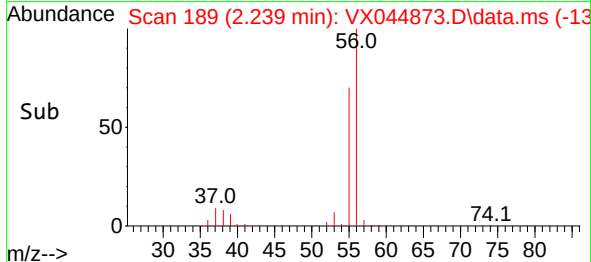
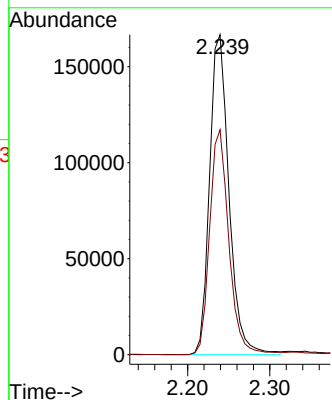
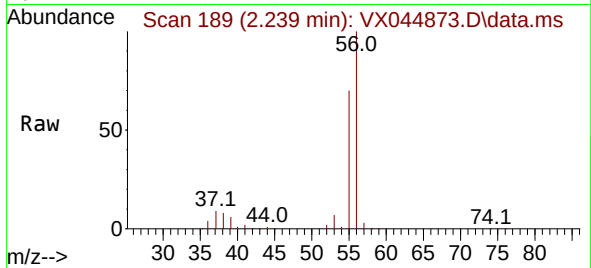




#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

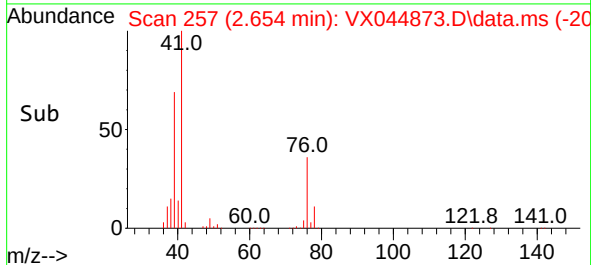
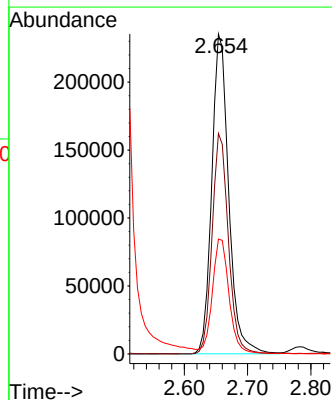
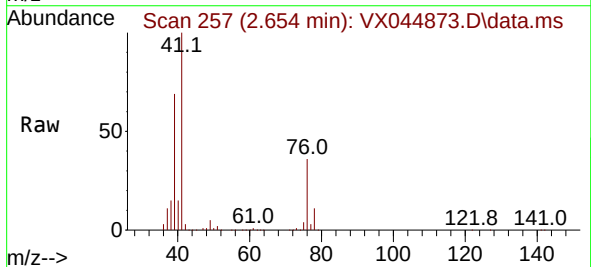
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

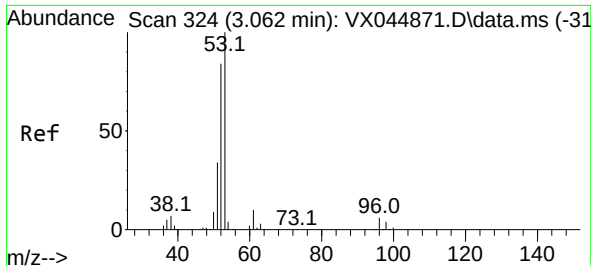
Tgt Ion: 56 Resp: 273178
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5



#14
Allyl chloride
Concen: 150.289 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 438493
Ion Ratio Lower Upper
41 100
39 66.1 51.4 77.2
76 35.7 27.0 40.4

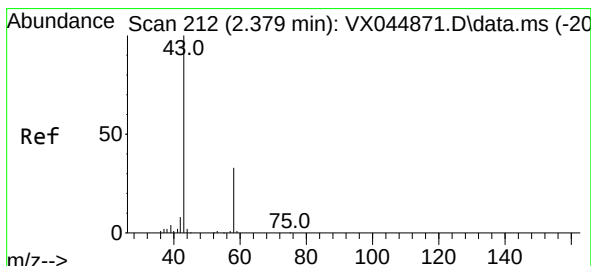
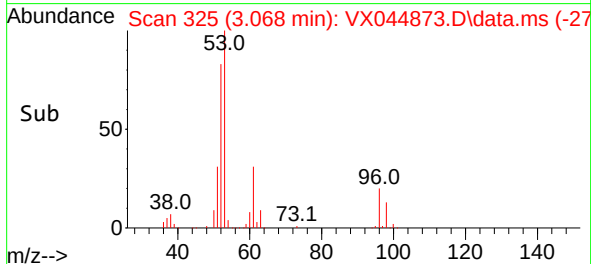
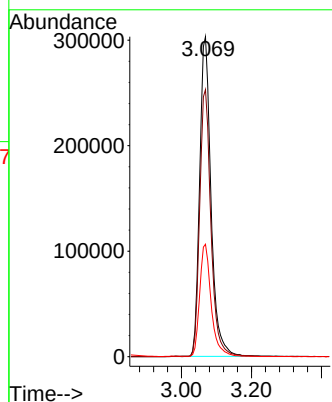
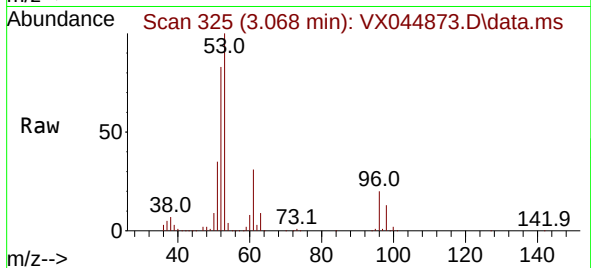




#15
Acrylonitrile
Concen: 753.423 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

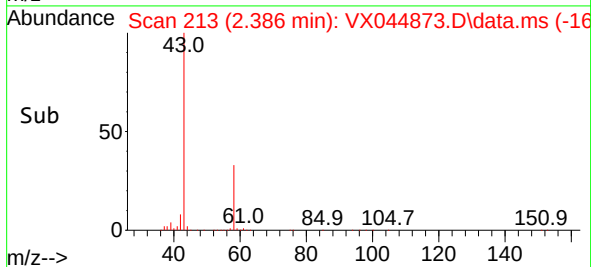
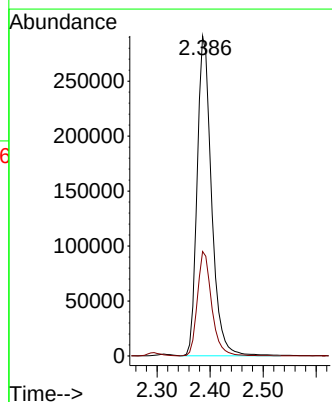
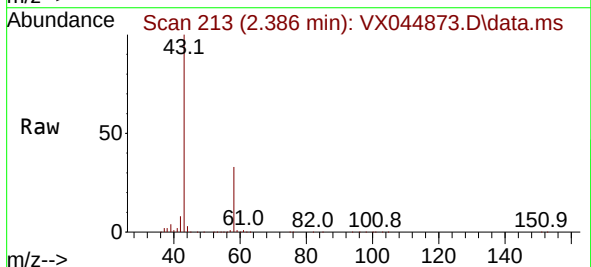
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

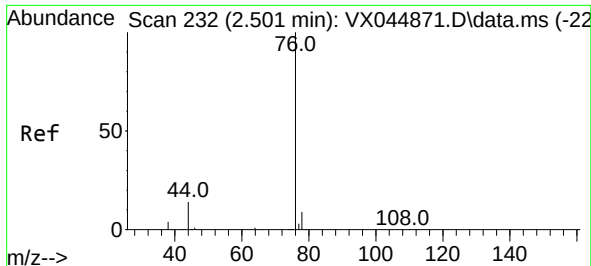
Tgt Ion: 53 Resp: 684234
Ion Ratio Lower Upper
53 100
52 82.9 65.0 97.6
51 35.2 28.0 42.0



#16
Acetone
Concen: 743.398 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 547939
Ion Ratio Lower Upper
43 100
58 32.6 26.5 39.7

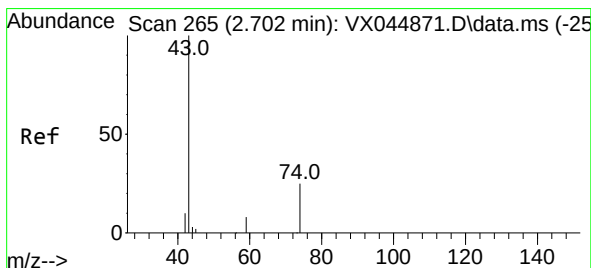
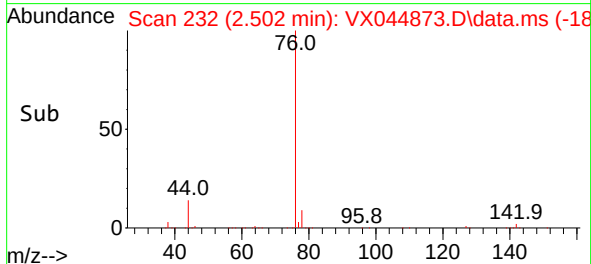
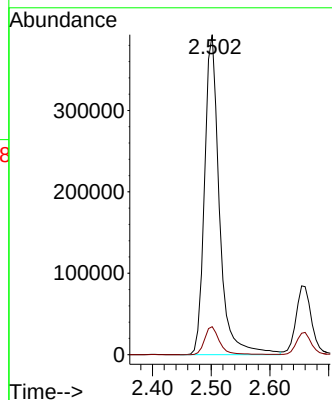
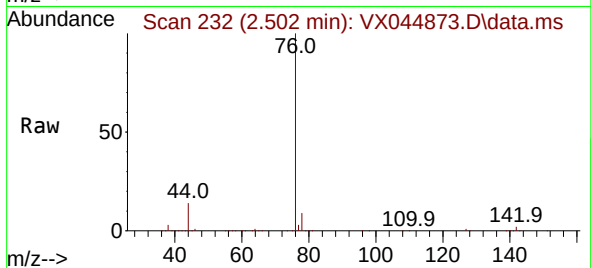




#17
Carbon Disulfide
Concen: 156.665 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

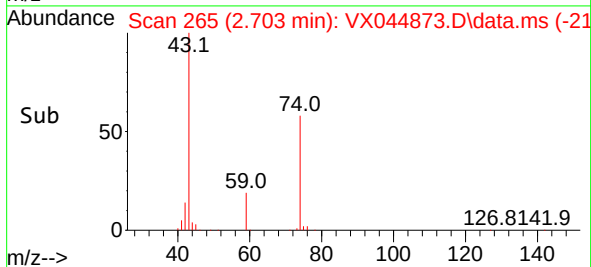
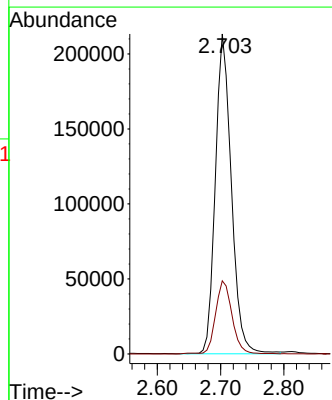
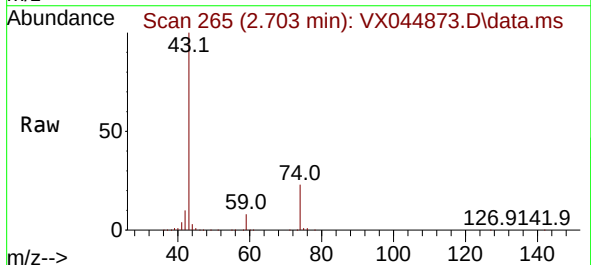
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

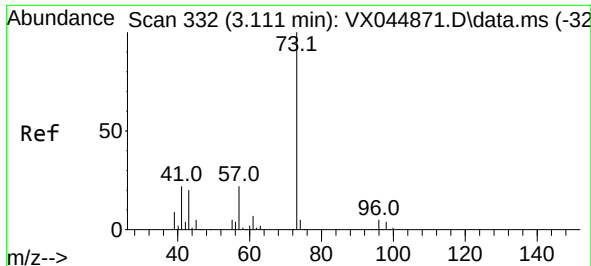
Tgt Ion: 76 Resp: 693558
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 160.743 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 373877
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3

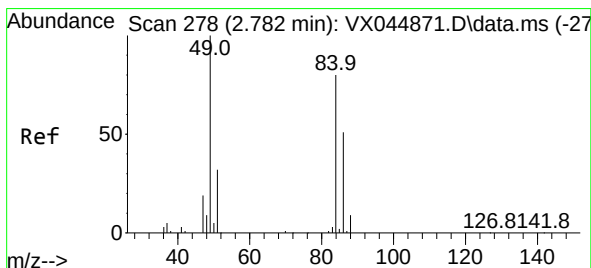
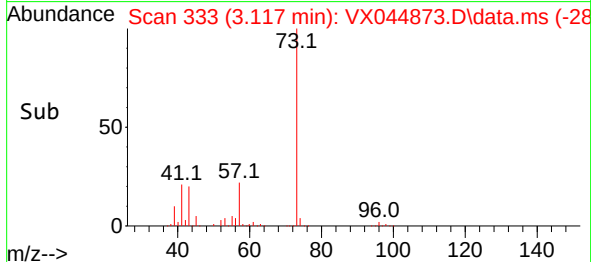
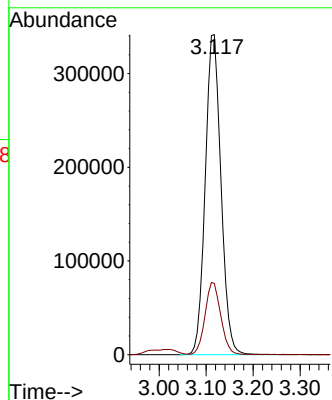
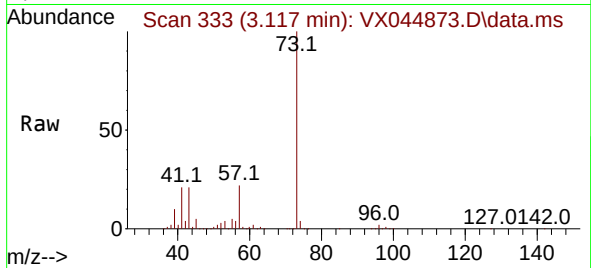




#19
Methyl tert-butyl Ether
Concen: 154.347 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

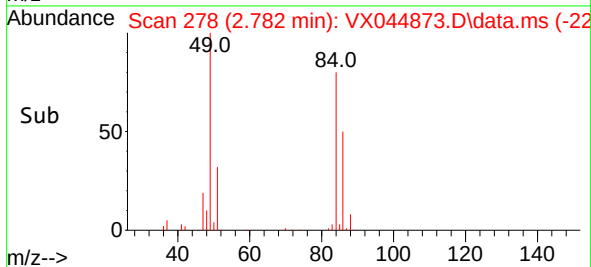
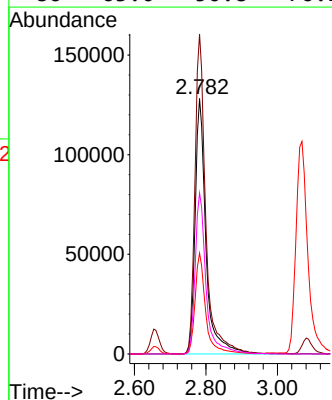
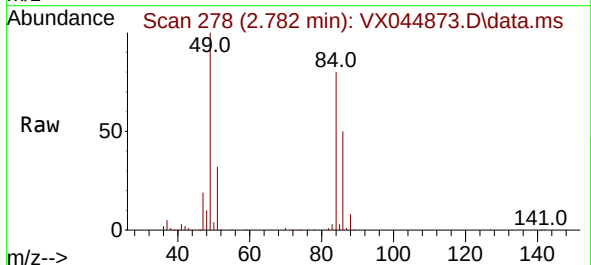
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

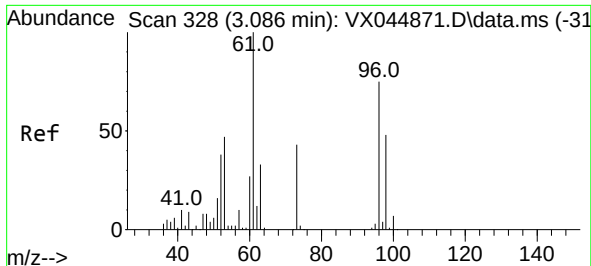
Tgt Ion: 73 Resp: 792810
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 149.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575
Ion Ratio Lower Upper
84 100
49 125.2 100.1 150.1
51 39.5 31.7 47.5
86 63.0 50.8 76.2

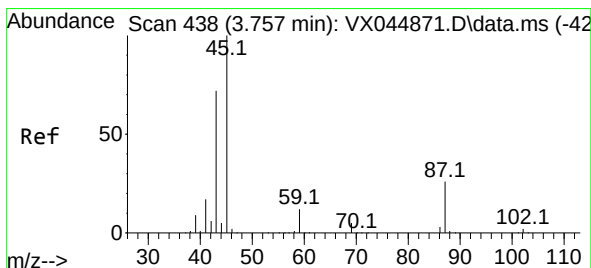
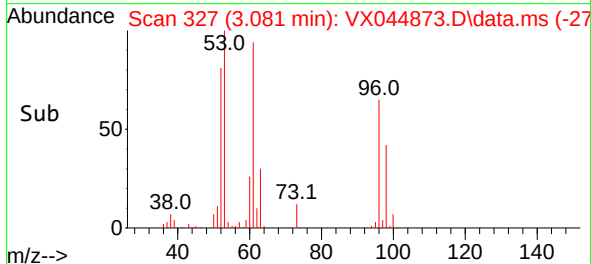
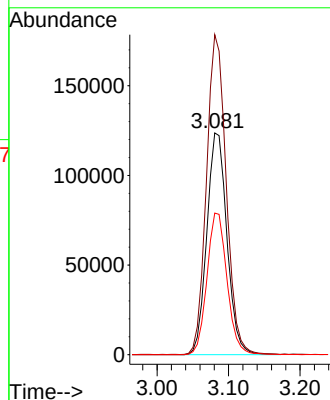
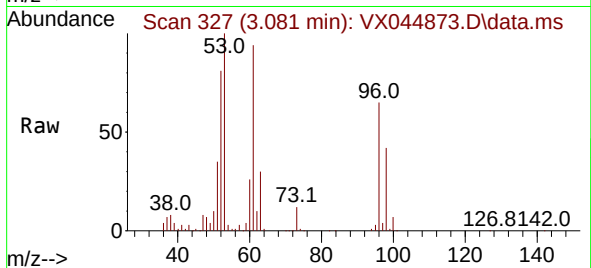




#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

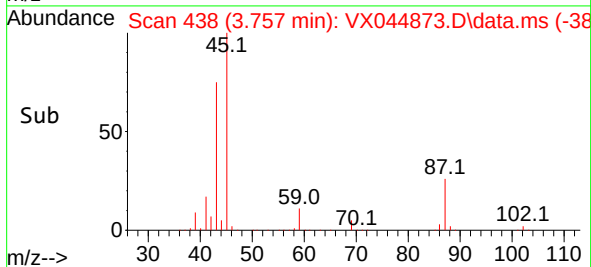
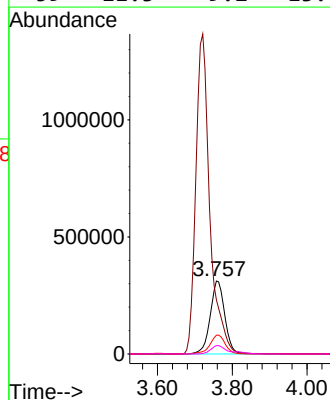
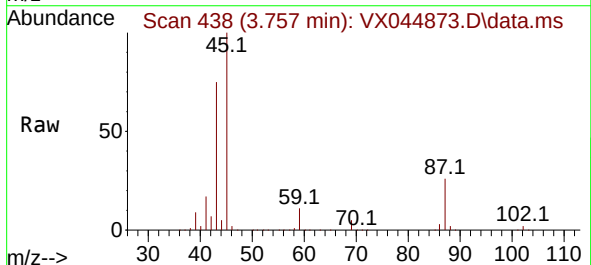
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

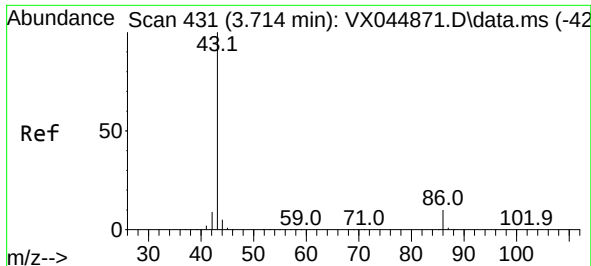
Tgt Ion: 96 Resp: 242082
Ion Ratio Lower Upper
96 100
61 144.2 106.0 159.0
98 63.9 50.6 76.0



#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126
Ion Ratio Lower Upper
45 100
43 74.6 58.0 87.0
87 25.8 20.7 31.1
59 11.3 9.2 13.8

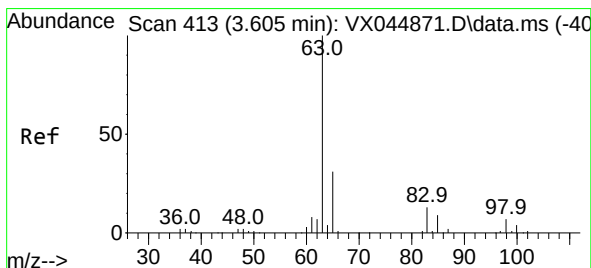
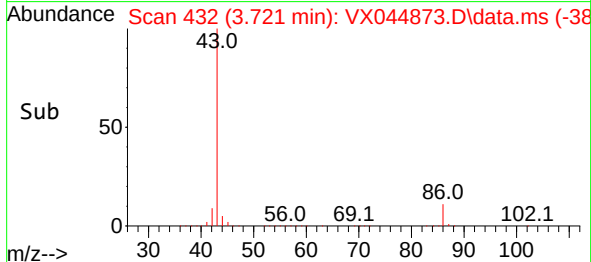
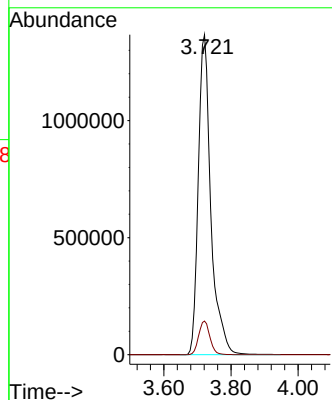
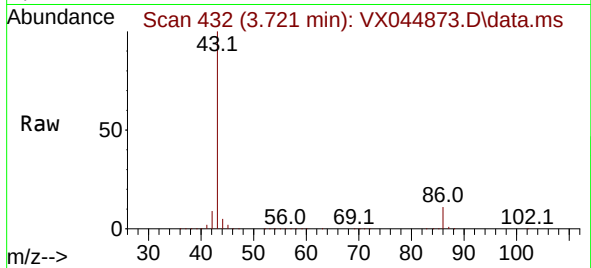




#23
 Vinyl Acetate
 Concen: 789.993 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

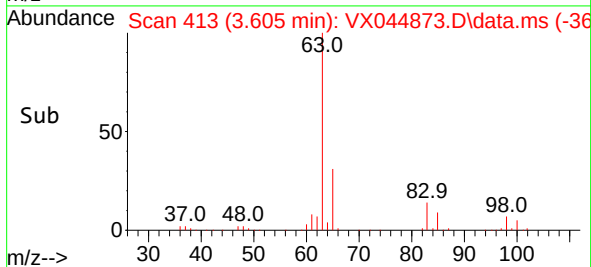
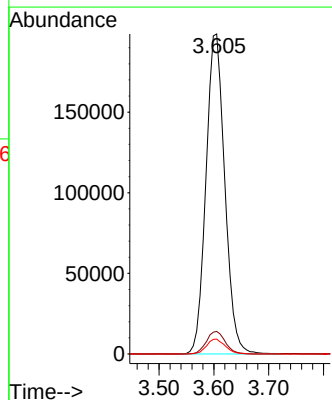
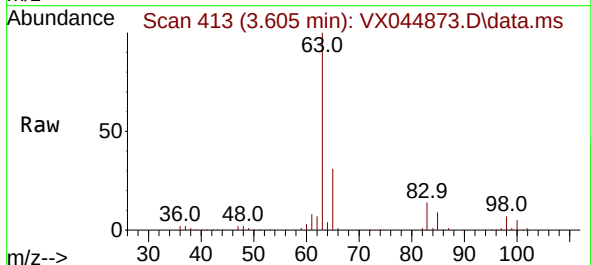
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

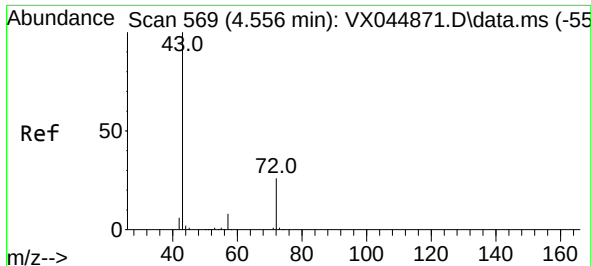
Tgt Ion: 43 Resp: 3555031
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 152.959 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.6 2.1 6.5

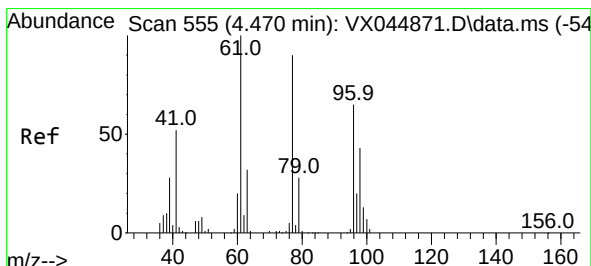
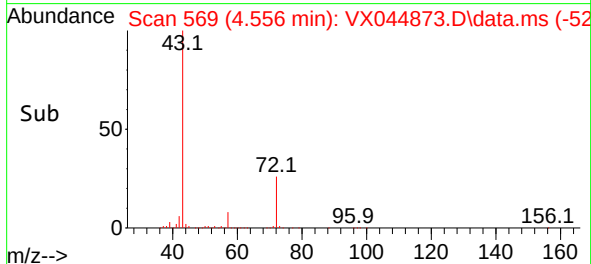
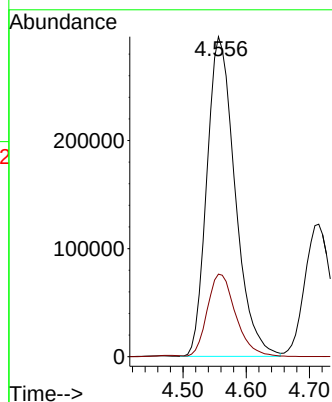
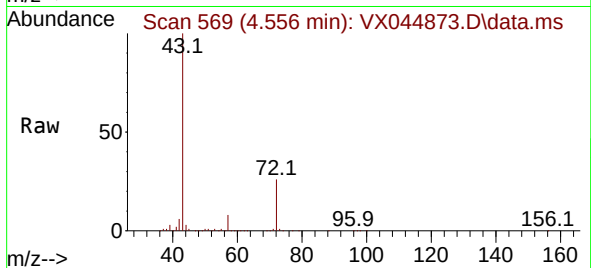




#25
2-Butanone
Concen: 764.276 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

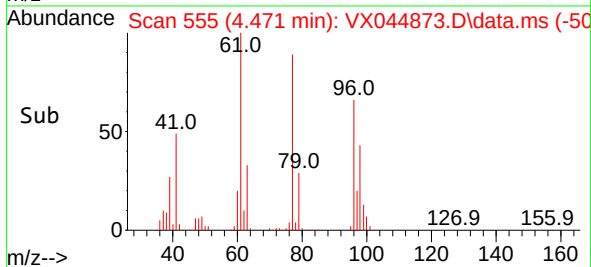
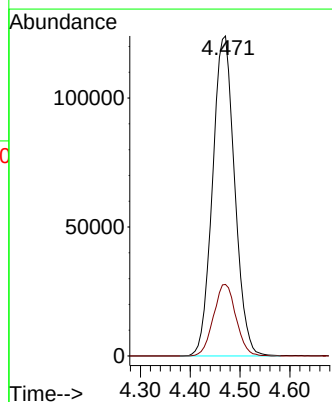
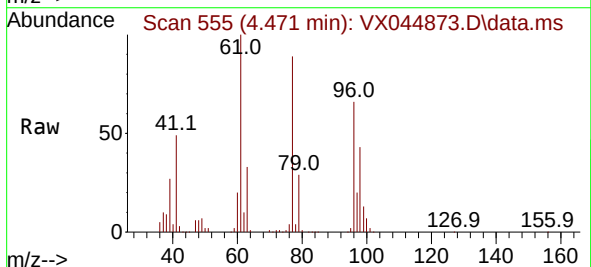
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

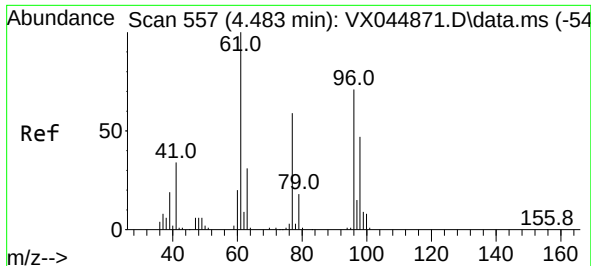
Tgt Ion: 43 Resp: 914741
Ion Ratio Lower Upper
43 100
72 25.6 21.2 31.8



#26
2,2-Dichloropropane
Concen: 156.029 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 77 Resp: 382167
Ion Ratio Lower Upper
77 100
97 22.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 153.446 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

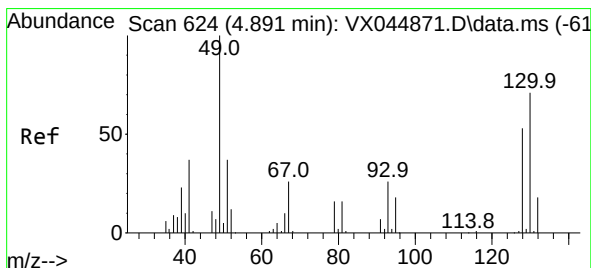
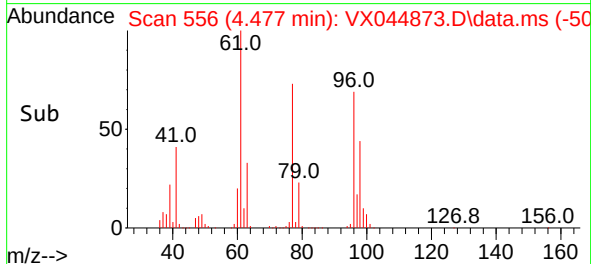
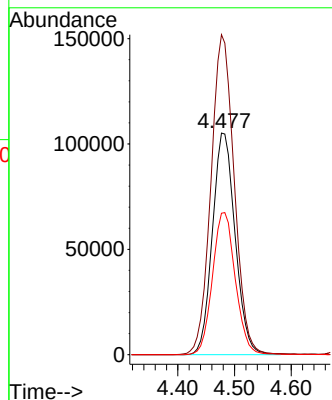
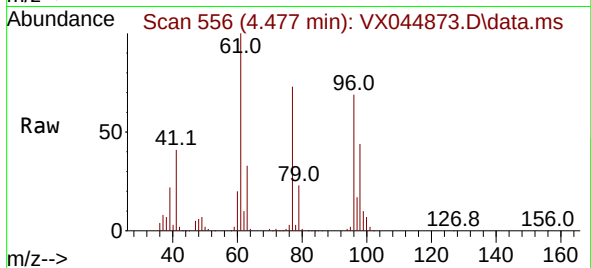
Tgt Ion: 96 Resp: 292864

Ion Ratio Lower Upper

96 100

61 148.1 0.0 294.0

98 64.6 0.0 131.2



#28

Bromochloromethane

Concen: 146.458 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

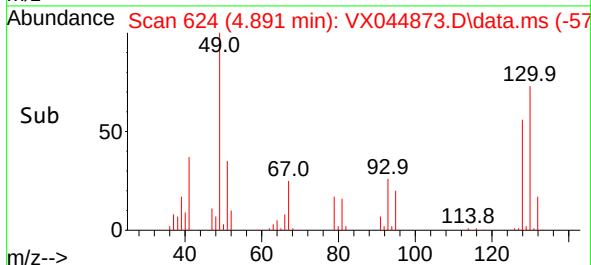
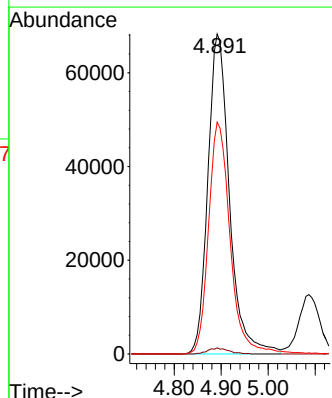
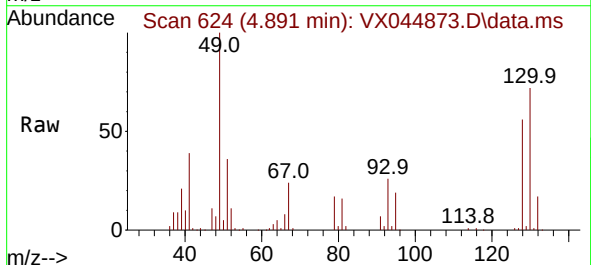
Tgt Ion: 49 Resp: 217387

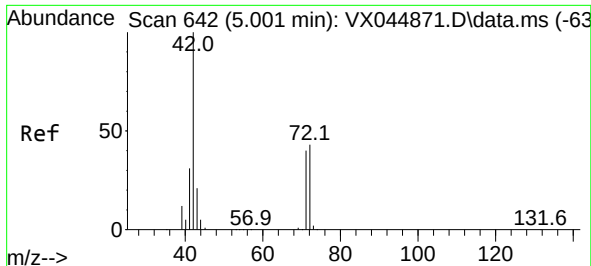
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 72.6 56.7 85.1





#29

Tetrahydrofuran

Concen: 749.977 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

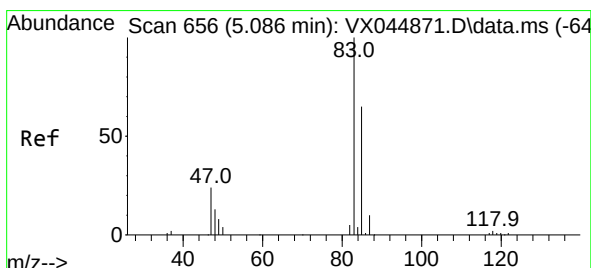
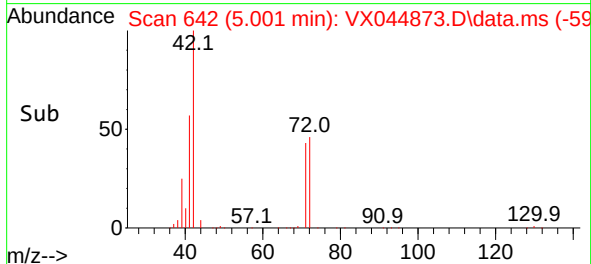
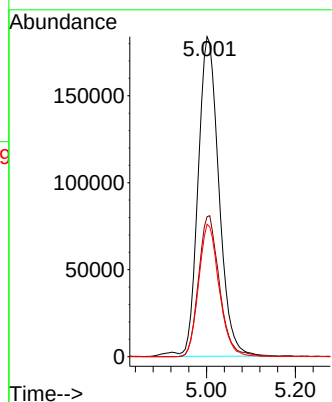
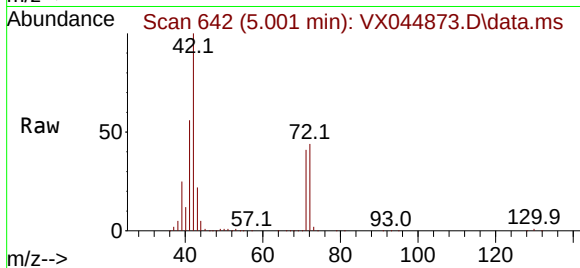
Tgt Ion: 42 Resp: 596045

Ion Ratio Lower Upper

42 100

72 44.5 35.0 52.4

71 41.0 32.6 48.8



#30

Chloroform

Concen: 151.509 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044873.D

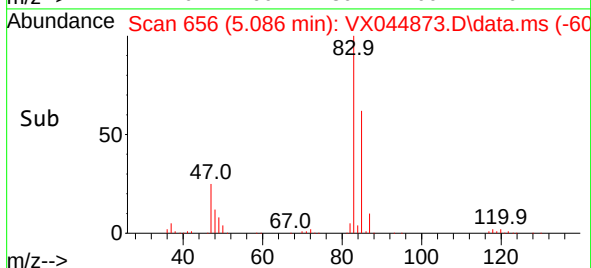
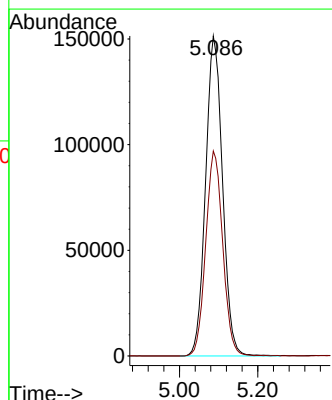
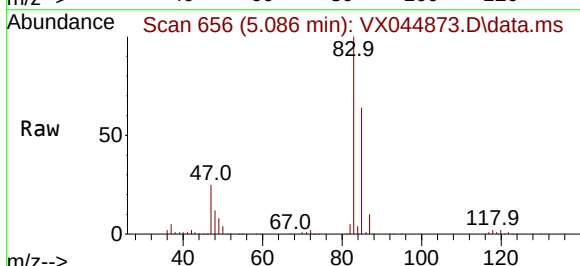
Acq: 10 Feb 2025 12:28

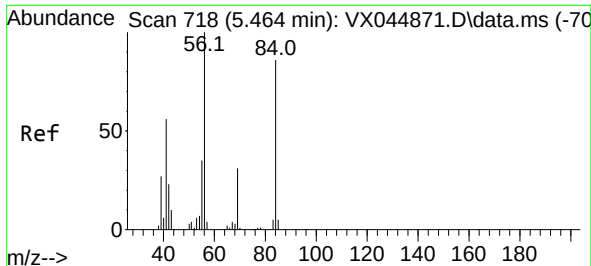
Tgt Ion: 83 Resp: 453809

Ion Ratio Lower Upper

83 100

85 64.1 52.1 78.1

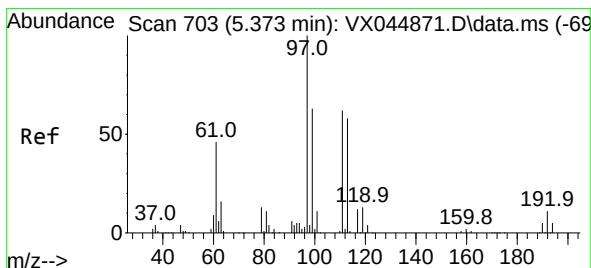
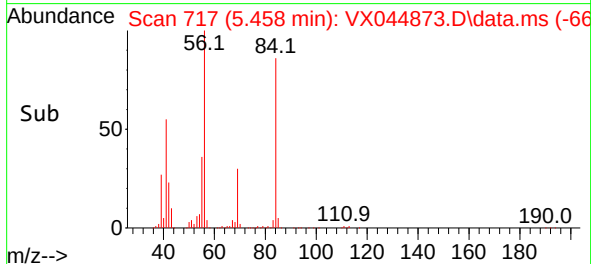
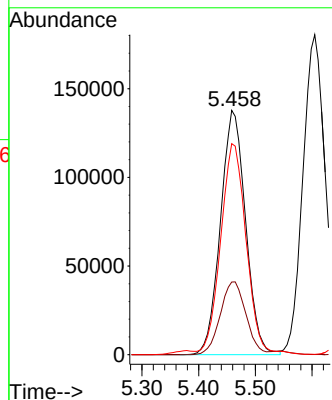
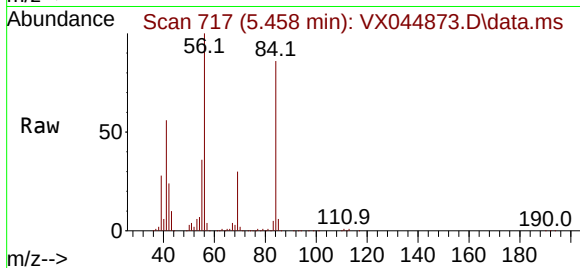




#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

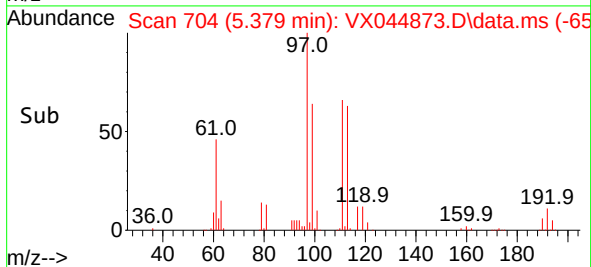
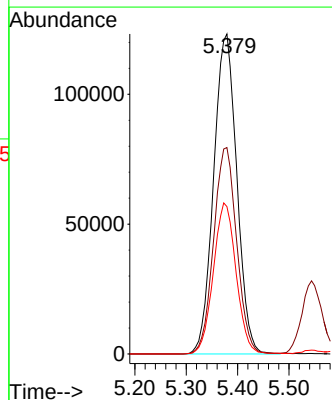
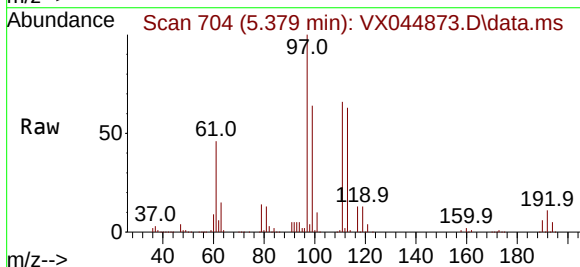
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

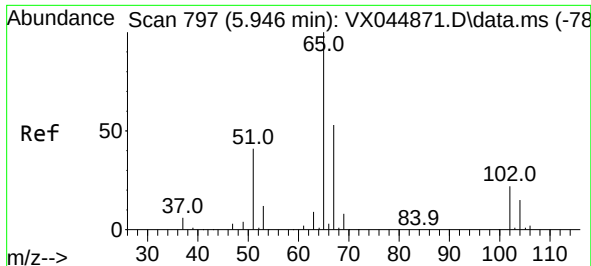
Tgt Ion: 56 Resp: 423464
Ion Ratio Lower Upper
56 100
69 29.7 24.4 36.6
84 85.0 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 46.4 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 153.180 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

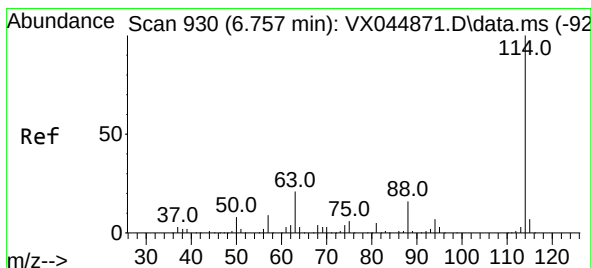
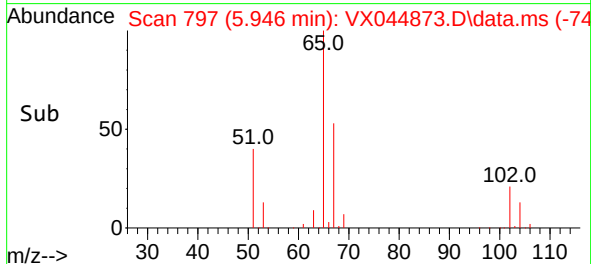
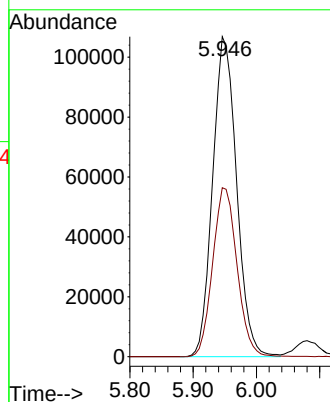
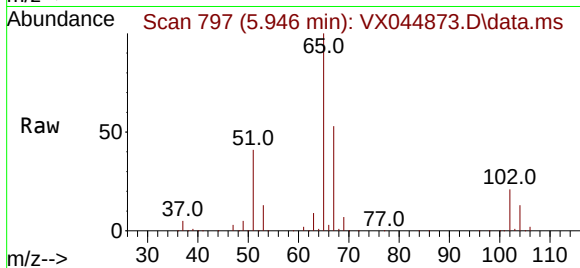
VSTDICC150

Tgt Ion: 65 Resp: 280853

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

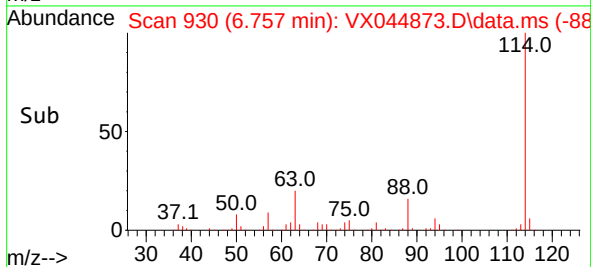
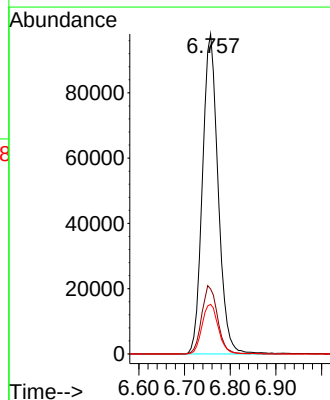
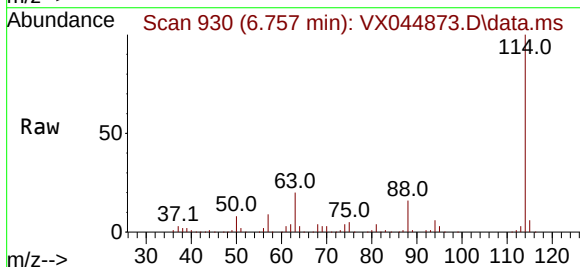
Tgt Ion: 114 Resp: 232597

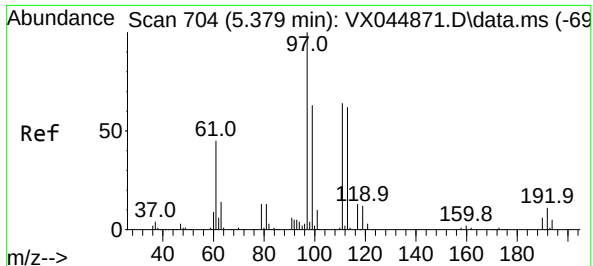
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 151.572 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

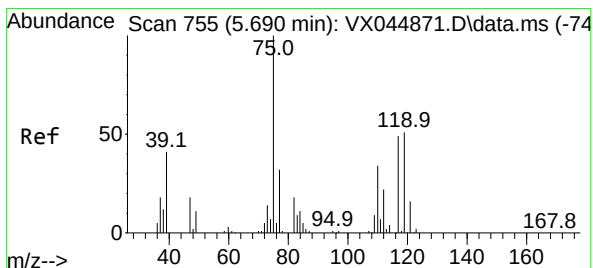
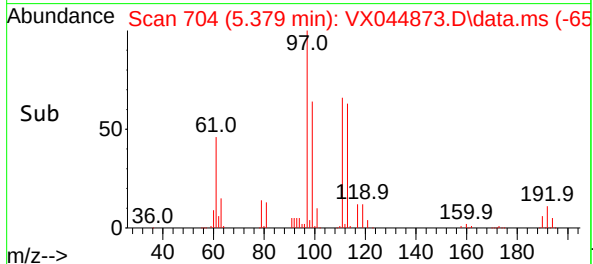
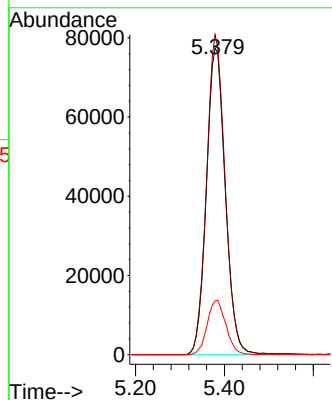
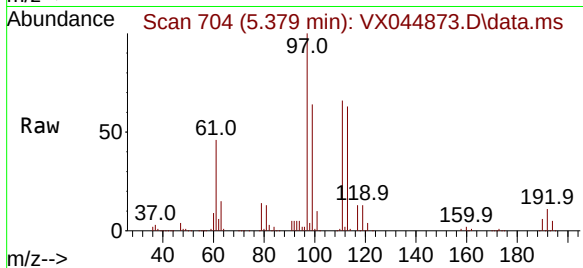
Tgt Ion:113 Resp: 229218

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

192 17.6 14.4 21.6



#36

1,1-Dichloropropene

Concen: 148.585 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

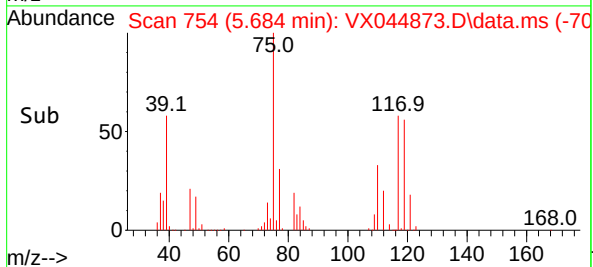
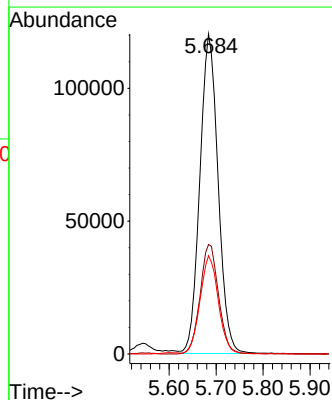
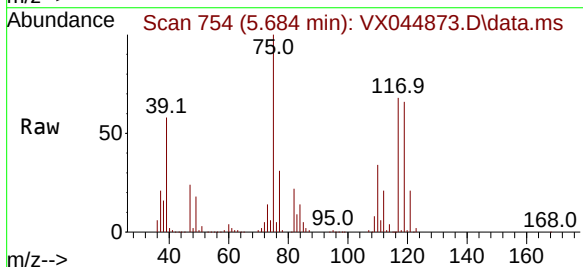
Tgt Ion: 75 Resp: 324182

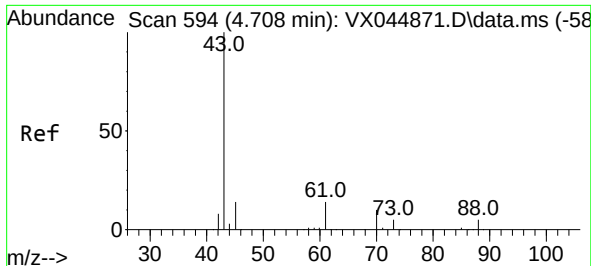
Ion Ratio Lower Upper

75 100

110 34.8 17.2 51.6

77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 151.956 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

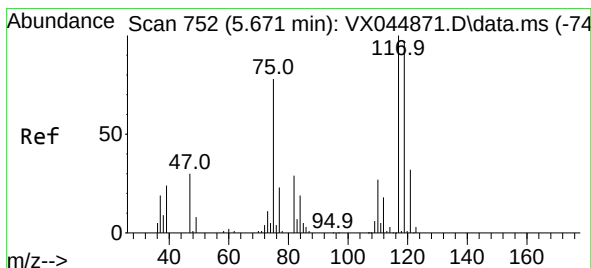
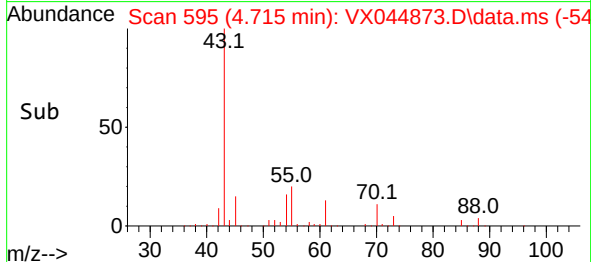
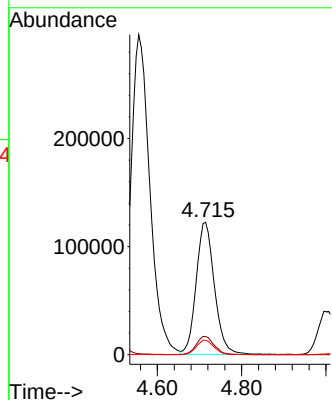
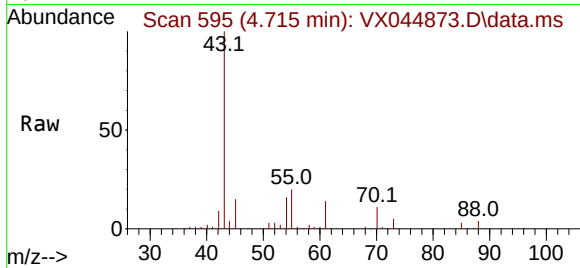
Tgt Ion: 43 Resp: 368763

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

70 10.6 8.2 12.2



#38

Carbon Tetrachloride

Concen: 149.921 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

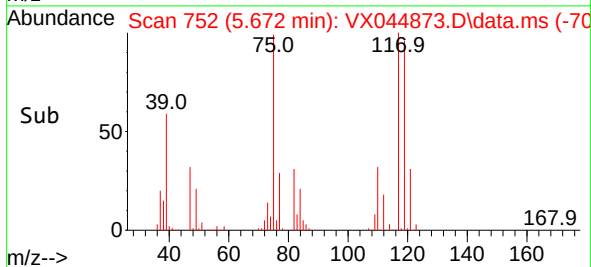
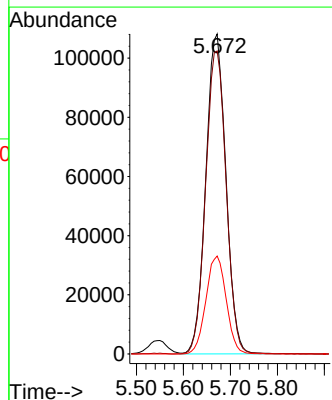
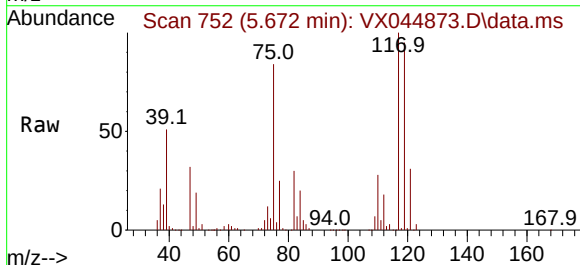
Tgt Ion: 117 Resp: 320536

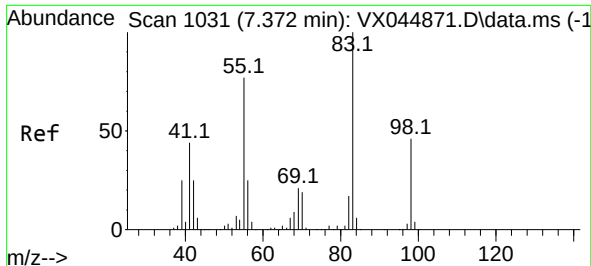
Ion Ratio Lower Upper

117 100

119 94.7 77.5 116.3

121 30.6 25.6 38.4





#39

Methylcyclohexane

Concen: 157.130 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

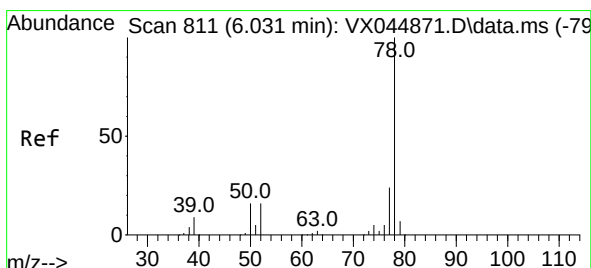
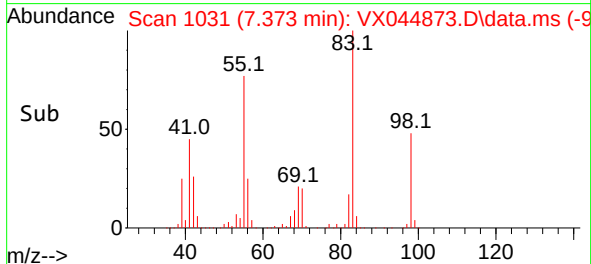
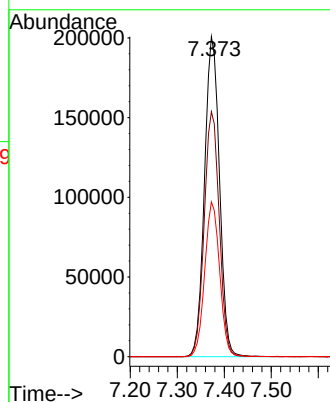
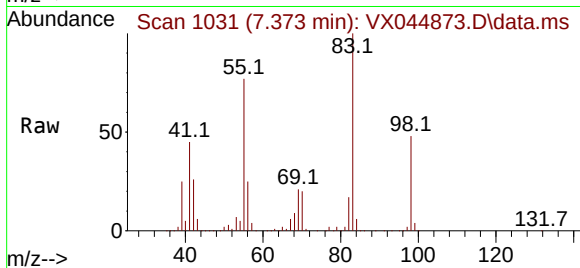
Tgt Ion: 83 Resp: 443218

Ion Ratio Lower Upper

83 100

55 76.5 61.3 91.9

98 48.4 37.0 55.6



#40

Benzene

Concen: 148.856 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044873.D

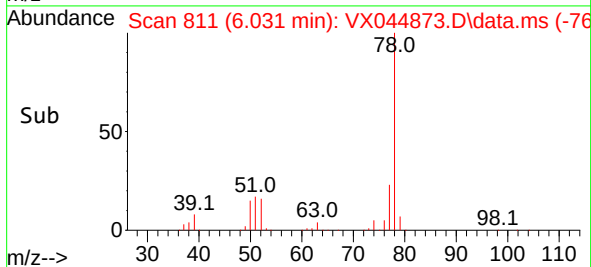
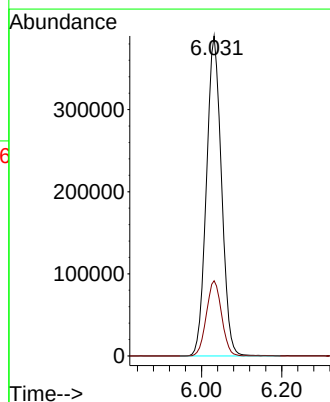
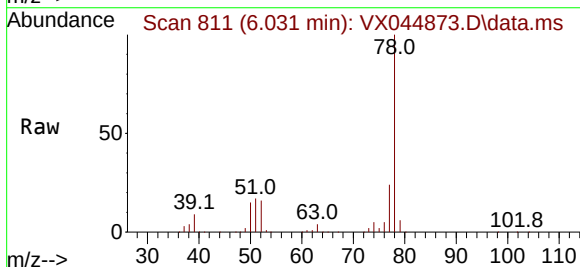
Acq: 10 Feb 2025 12:28

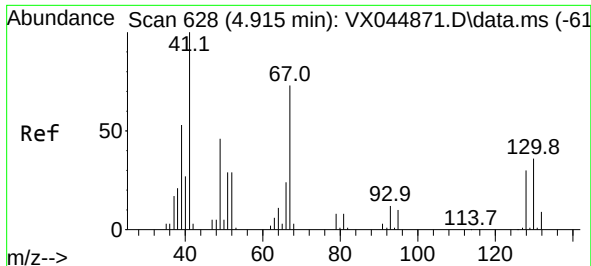
Tgt Ion: 78 Resp: 1014129

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

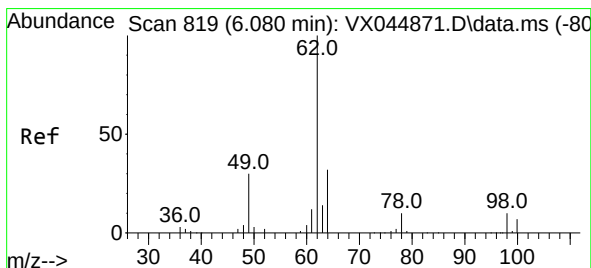
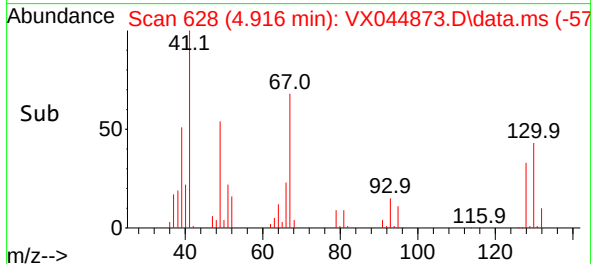
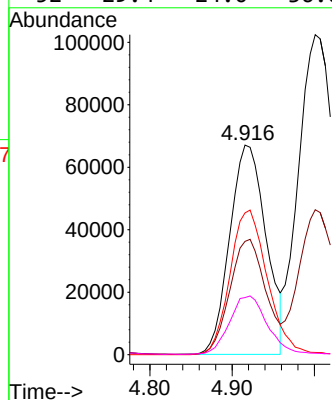
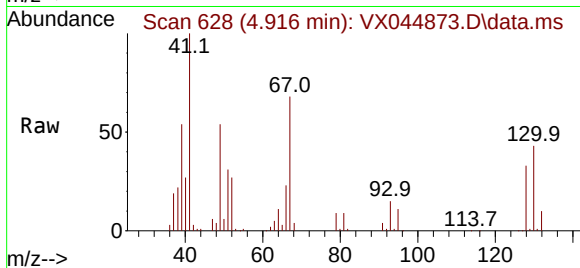




#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

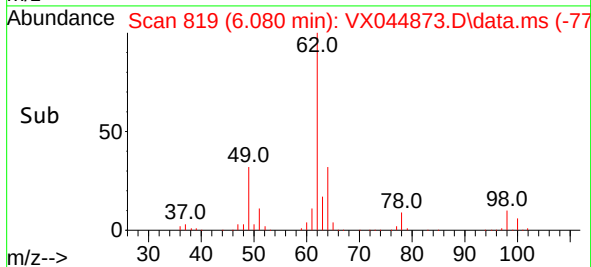
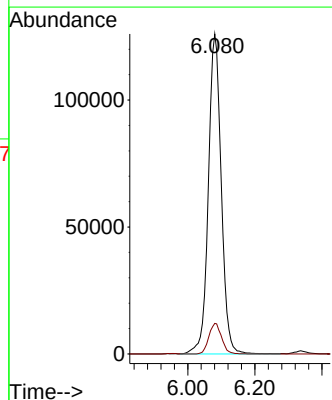
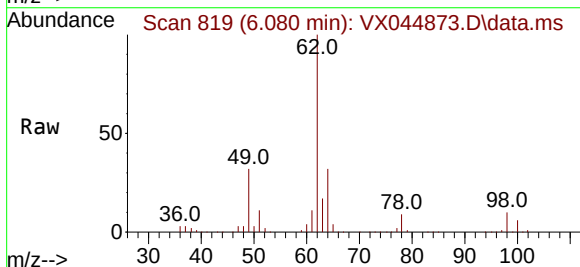
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

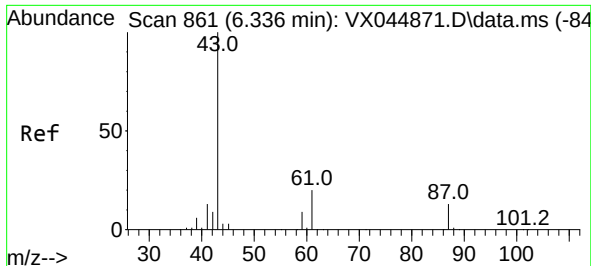
Tgt Ion: 41	Resp: 206155
Ion Ratio	Lower Upper
41 100	
39 54.2	43.1 64.7
67 71.4	57.0 85.6
52 29.4	24.0 36.0



#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62	Resp: 336520
Ion Ratio	Lower Upper
62 100	
98 9.5	0.0 19.4

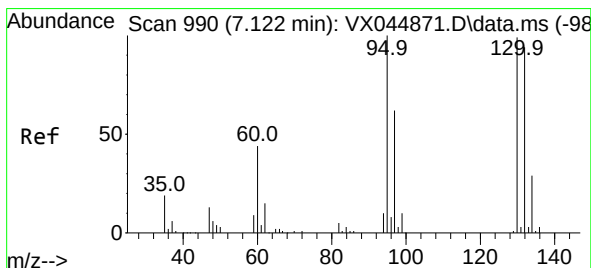
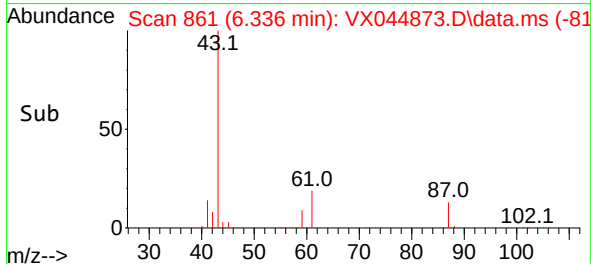
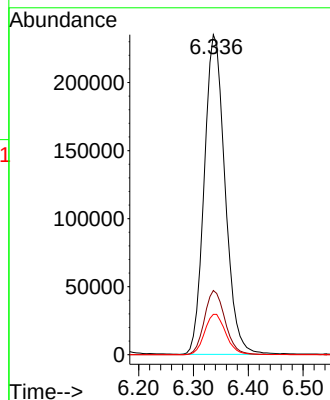
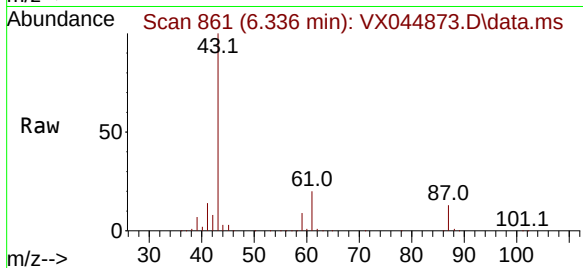




#43
Isopropyl Acetate
Concen: 157.575 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

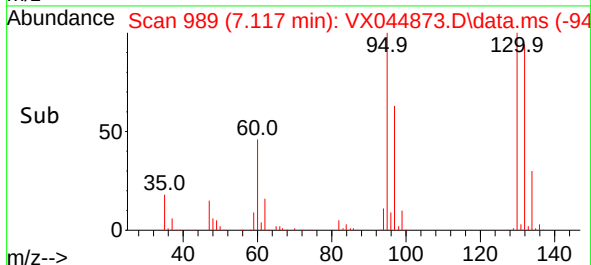
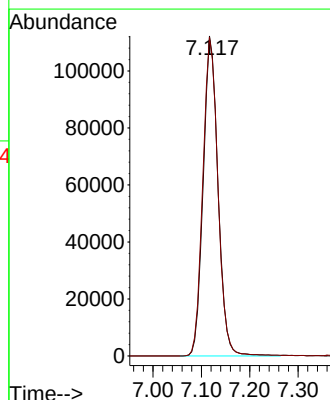
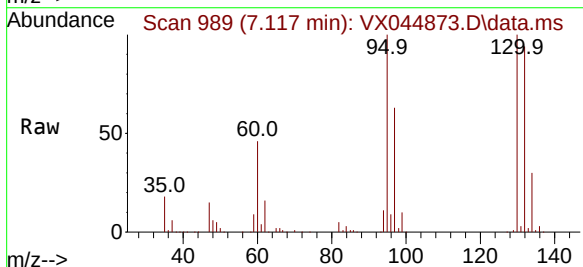
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

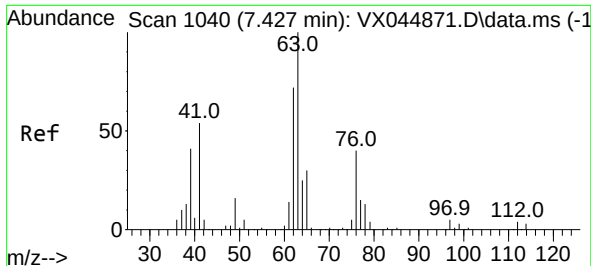
Tgt Ion: 43 Resp: 617516
Ion Ratio Lower Upper
43 100
61 20.1 15.8 23.8
87 12.9 10.0 15.0



#44
Trichloroethene
Concen: 153.496 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:130 Resp: 239030
Ion Ratio Lower Upper
130 100
95 99.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 153.076 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

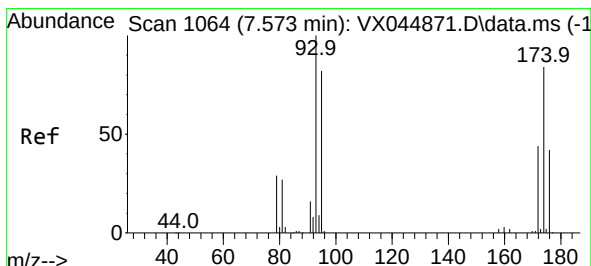
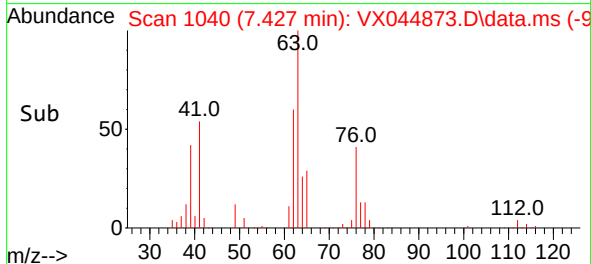
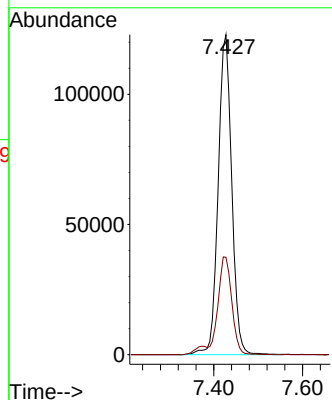
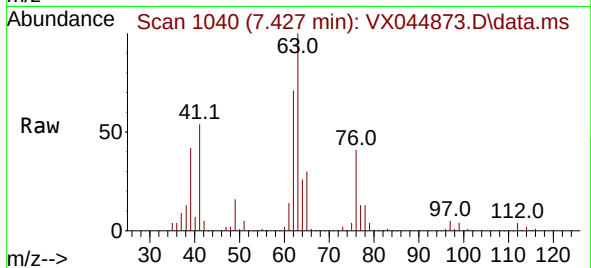
VSTDIC150

Tgt Ion: 63 Resp: 259454

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.4



#46

Dibromomethane

Concen: 152.870 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

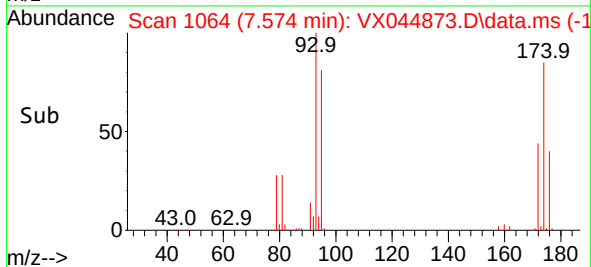
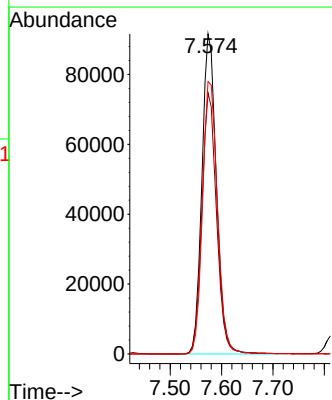
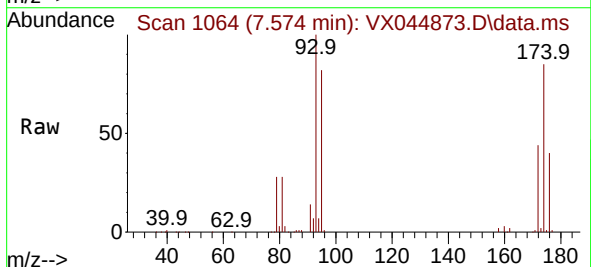
Tgt Ion: 93 Resp: 179689

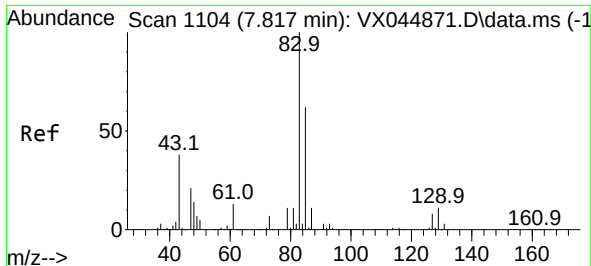
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 87.9 69.9 104.9

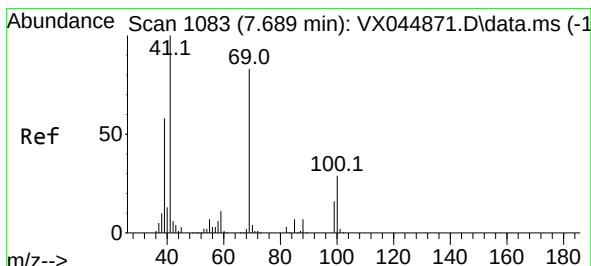
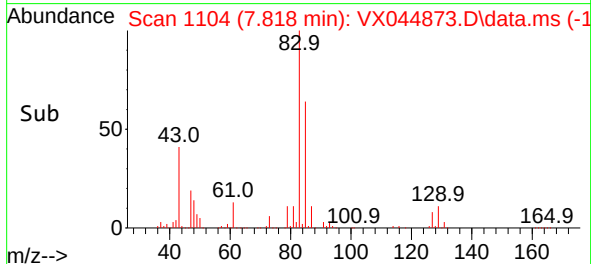
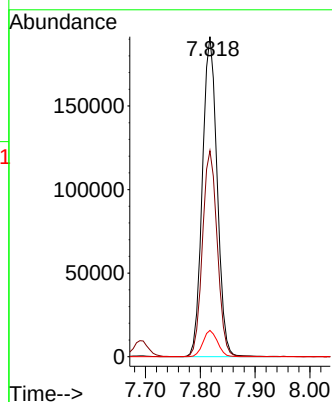
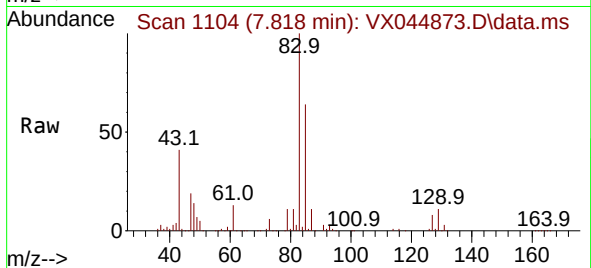




#47
 Bromodichloromethane
 Concen: 157.128 ug/l
 RT: 7.818 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

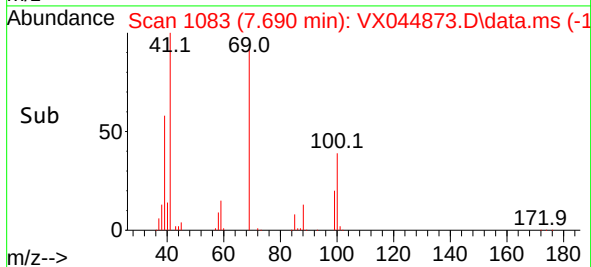
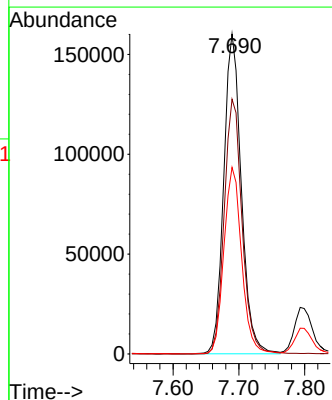
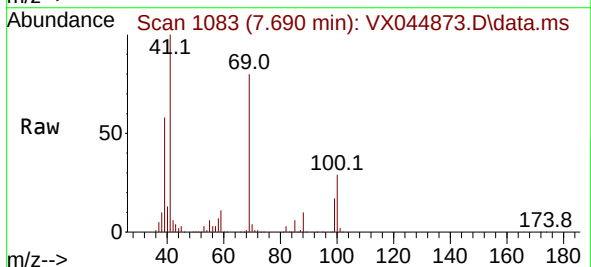
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

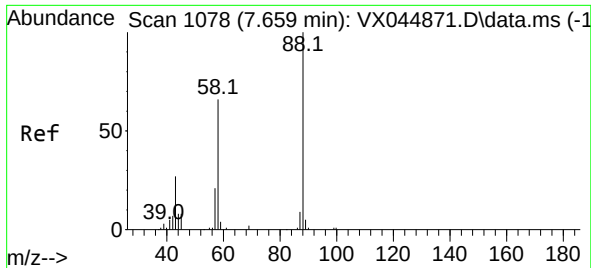
Tgt Ion: 83 Resp: 357623
 Ion Ratio Lower Upper
 83 100
 85 64.3 50.0 75.0
 127 8.2 6.4 9.6



#48
 Methyl methacrylate
 Concen: 161.236 ug/l
 RT: 7.690 min Scan# 1083
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 297931
 Ion Ratio Lower Upper
 41 100
 69 81.4 65.8 98.8
 39 58.7 46.4 69.6

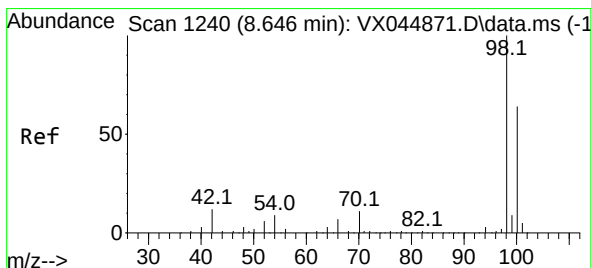
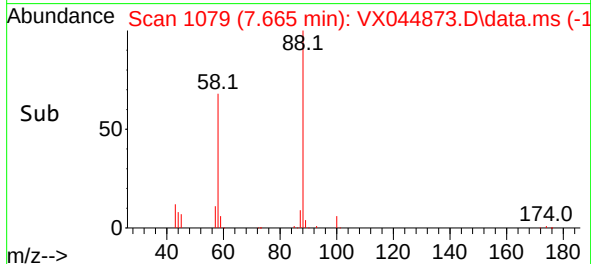
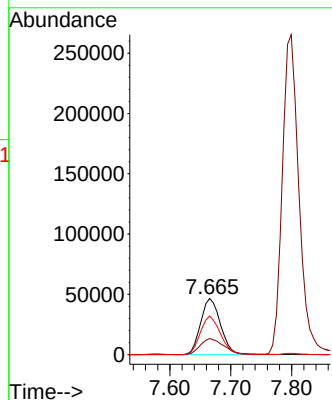
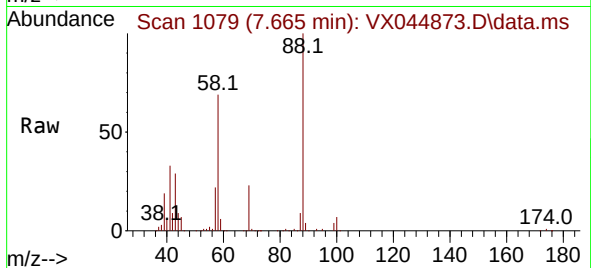




#49
1,4-Dioxane
Concen: 2678.192 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

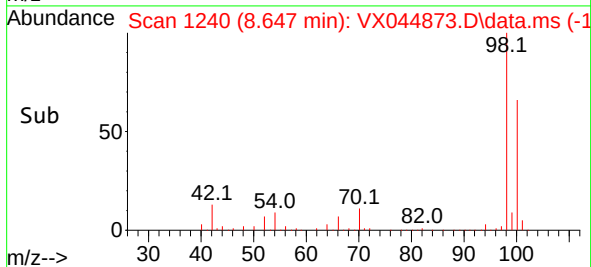
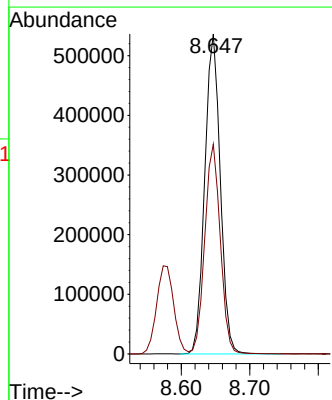
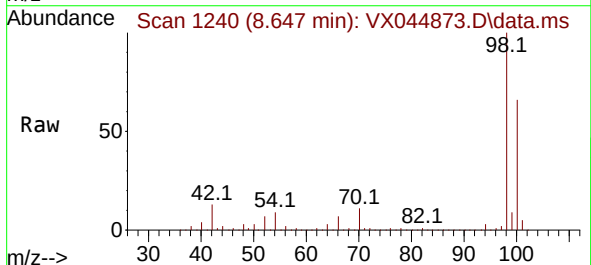
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

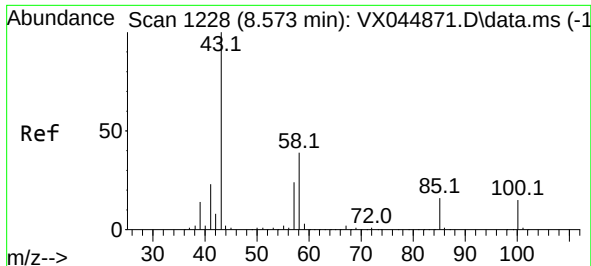
Tgt Ion: 88 Resp: 106175
Ion Ratio Lower Upper
88 100
43 33.0 26.6 39.8
58 69.4 55.9 83.9



#50
Toluene-d8
Concen: 147.877 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 98 Resp: 845632
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 728.887 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

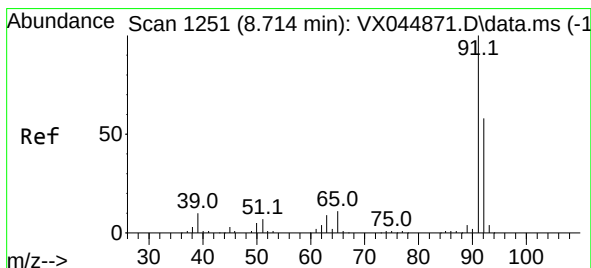
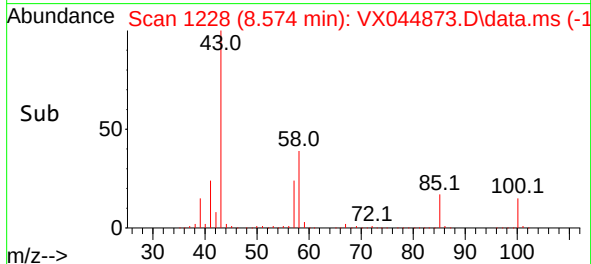
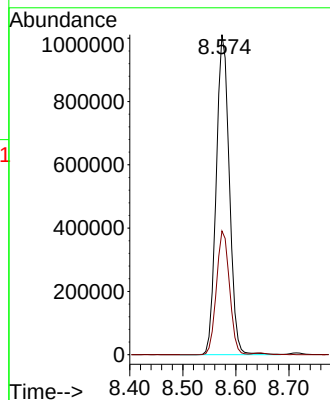
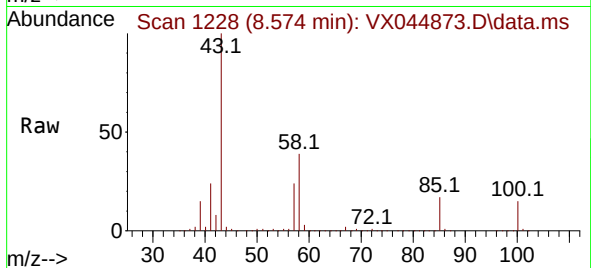
VSTDICC150

Tgt Ion: 43 Resp: 1736538

Ion Ratio Lower Upper

43 100

58 38.6 30.8 46.2



#52

Toluene

Concen: 148.645 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044873.D

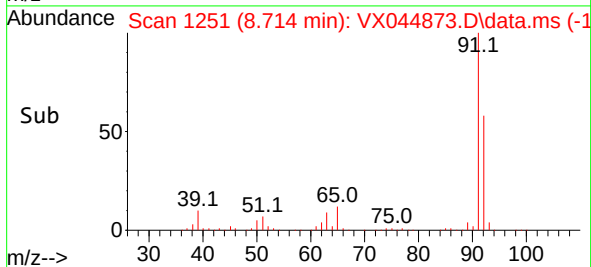
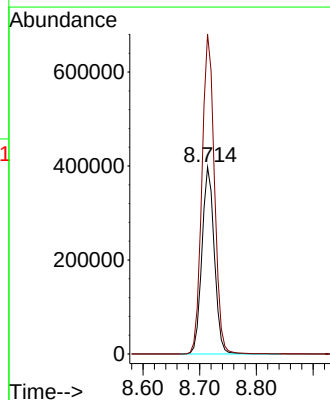
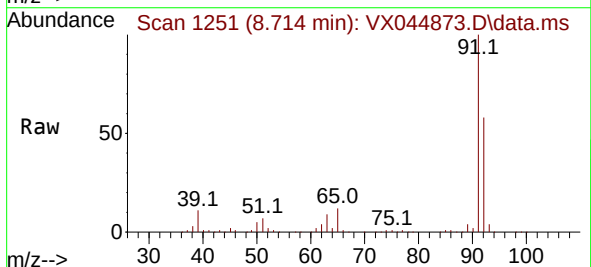
Acq: 10 Feb 2025 12:28

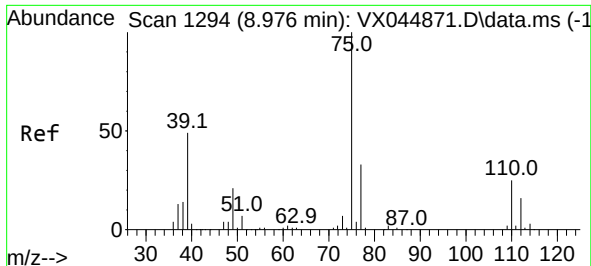
Tgt Ion: 92 Resp: 603113

Ion Ratio Lower Upper

92 100

91 172.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 164.398 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

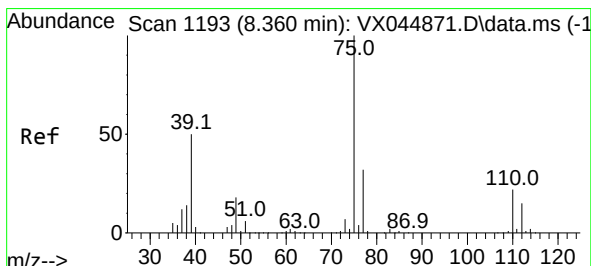
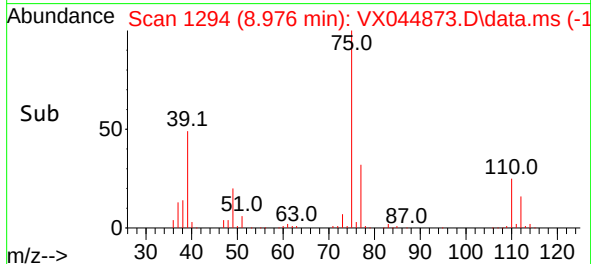
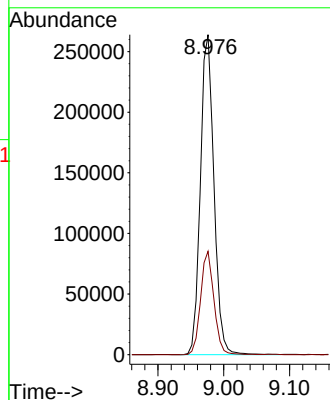
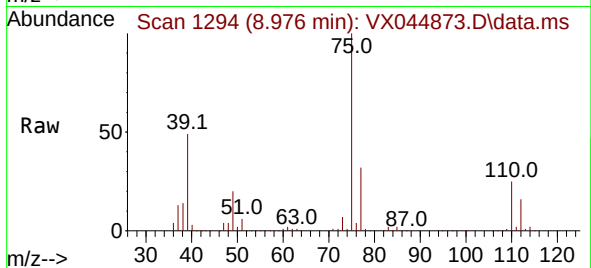
VSTDIC150

Tgt Ion: 75 Resp: 378639

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 162.667 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

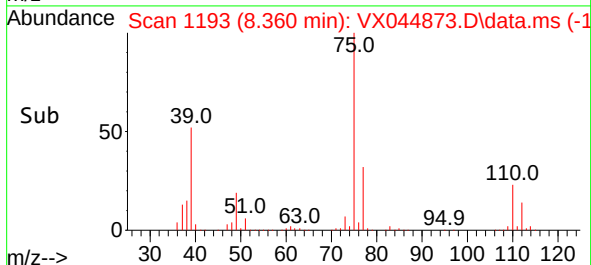
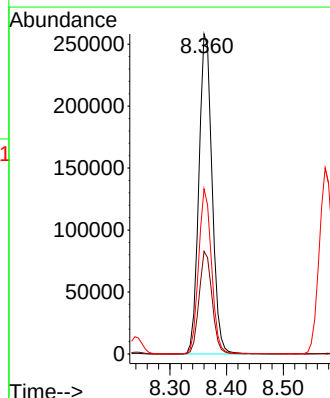
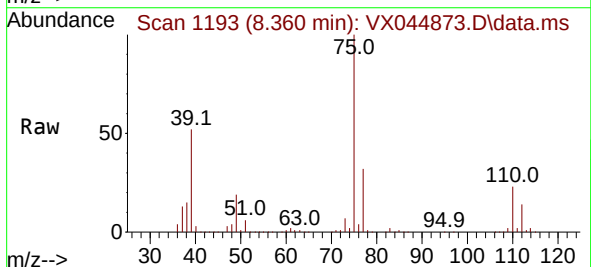
Tgt Ion: 75 Resp: 417724

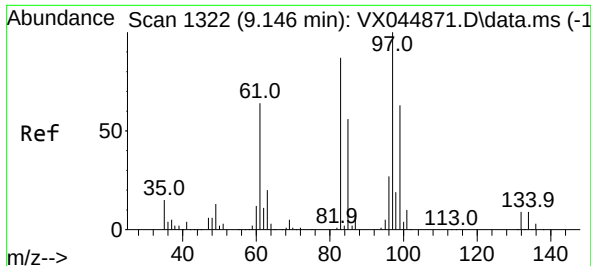
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 51.5 40.0 60.0



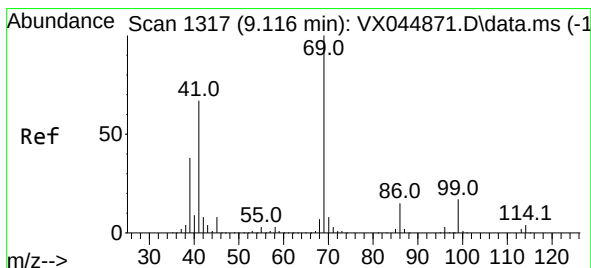
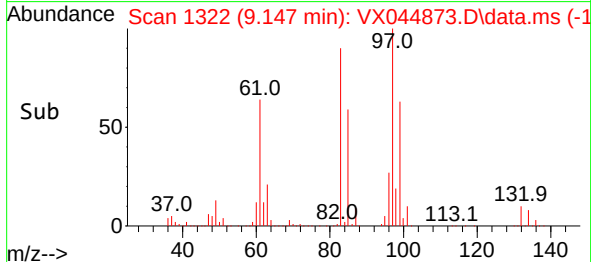
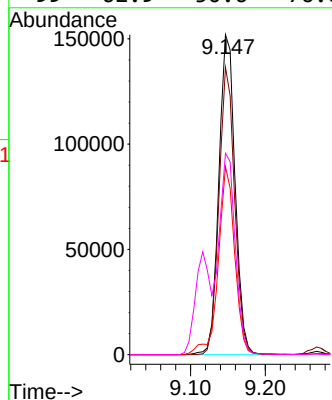
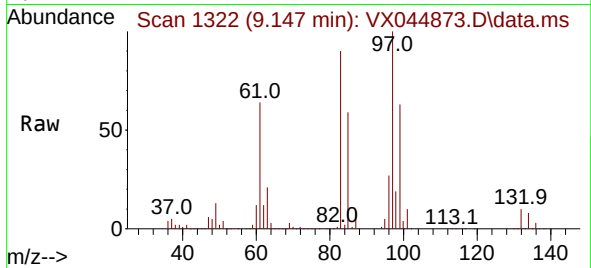


#55
1,1,2-Trichloroethane
Concen: 147.172 ug/l
RT: 9.147 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 97 Resp: 229548

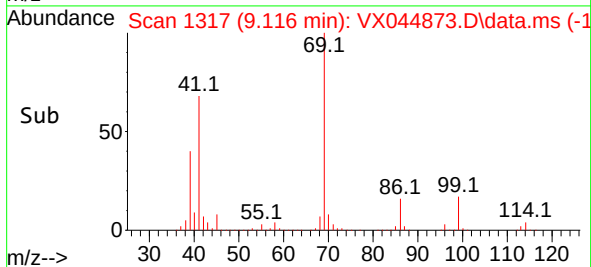
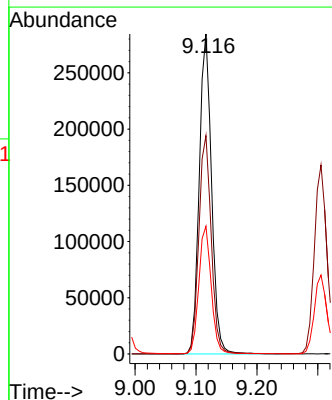
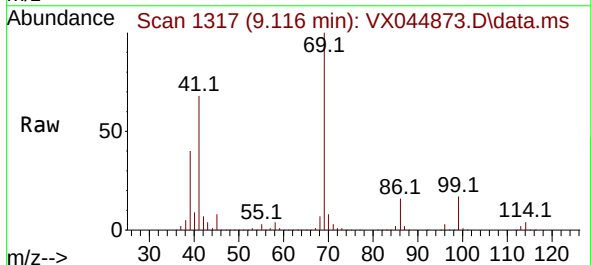
Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.8	104.6
85	58.7	44.8	67.2
99	62.9	50.6	76.0

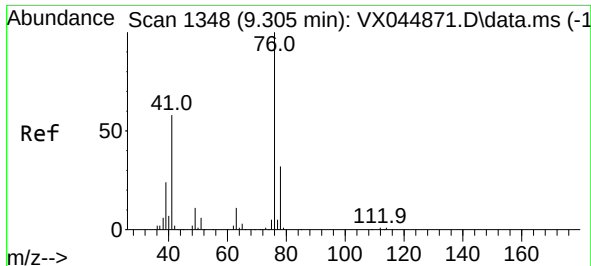


#56
Ethyl methacrylate
Concen: 158.205 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 69 Resp: 398535

Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.2	82.8
39	40.0	30.8	46.2





#57

1,3-Dichloropropane

Concen: 147.915 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

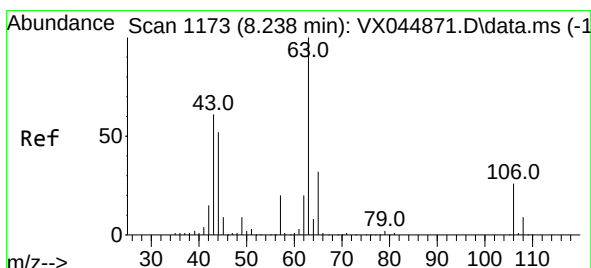
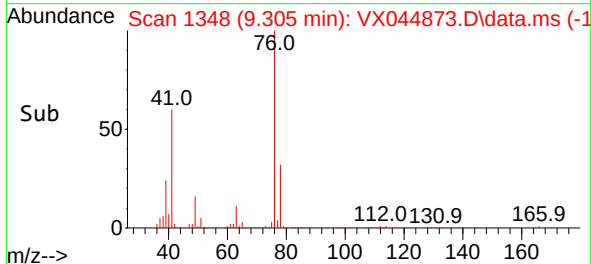
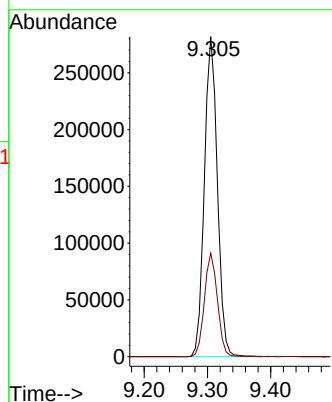
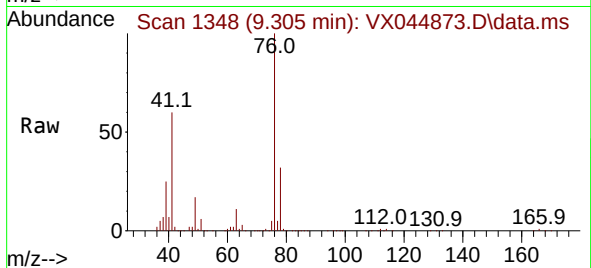
VSTDICC150

Tgt Ion: 76 Resp: 403665

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 794.010 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044873.D

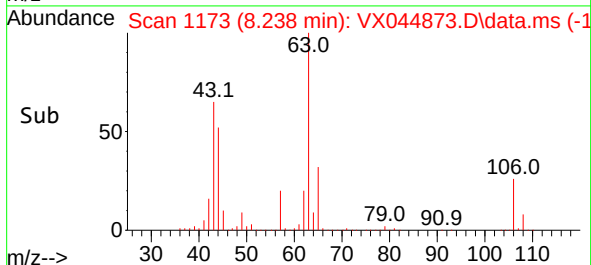
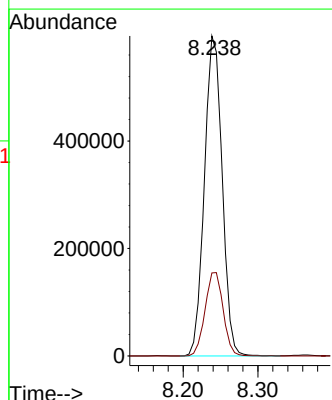
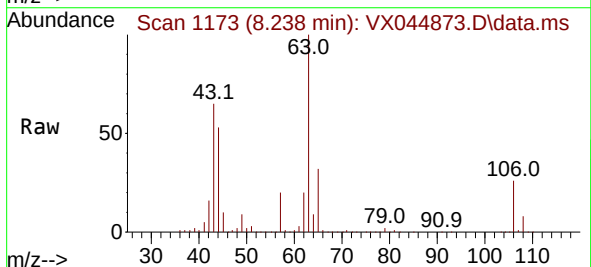
Acq: 10 Feb 2025 12:28

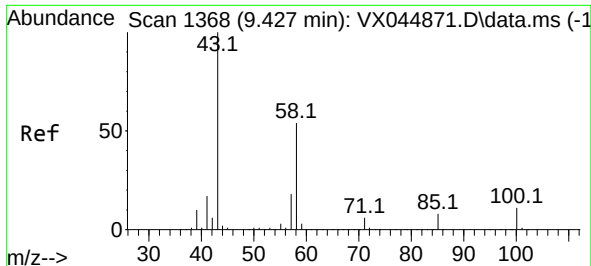
Tgt Ion: 63 Resp: 982120

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 736.622 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

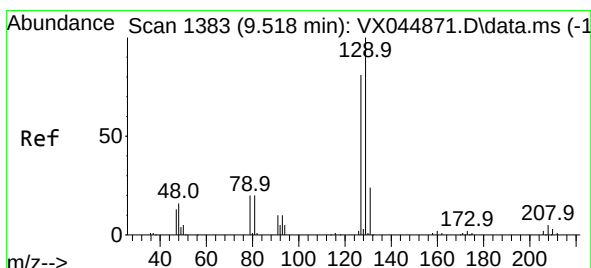
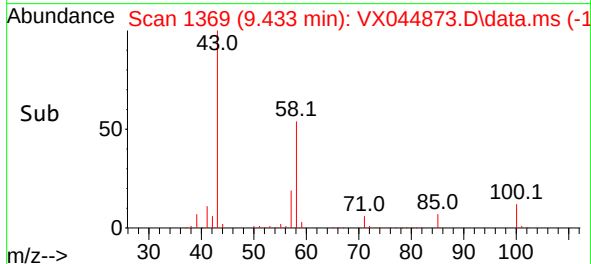
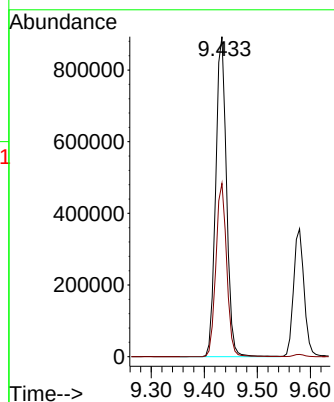
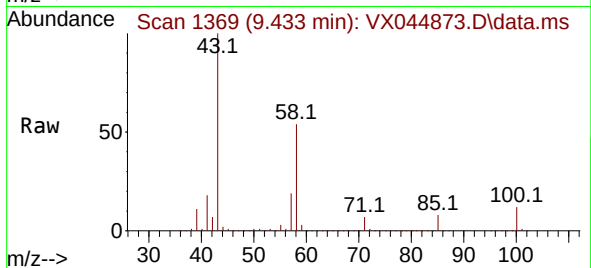
VSTDICC150

Tgt Ion: 43 Resp: 1264470

Ion Ratio Lower Upper

43 100

58 54.1 27.5 82.4



#60

Dibromochloromethane

Concen: 154.862 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044873.D

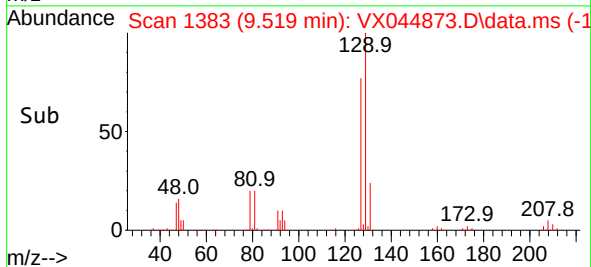
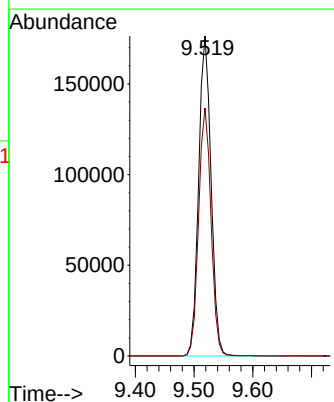
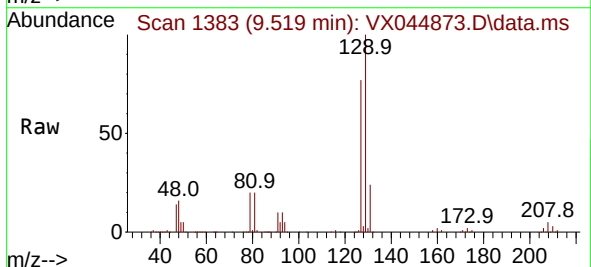
Acq: 10 Feb 2025 12:28

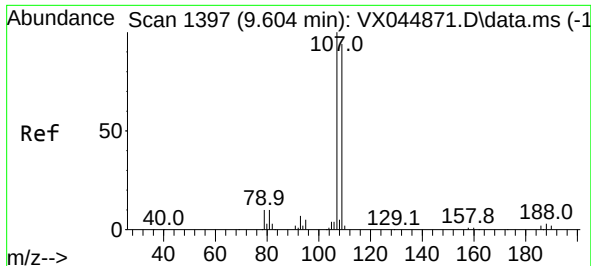
Tgt Ion: 129 Resp: 258320

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.3

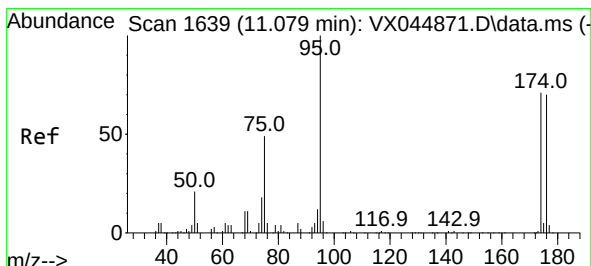
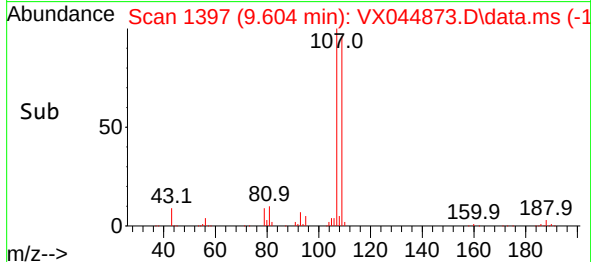
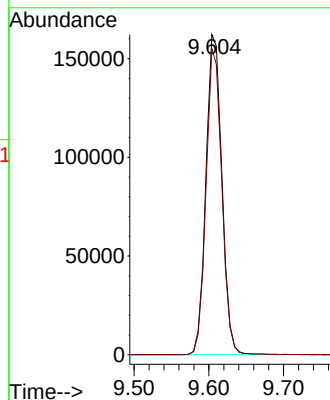
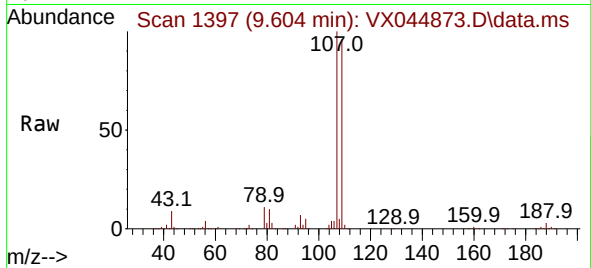




#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

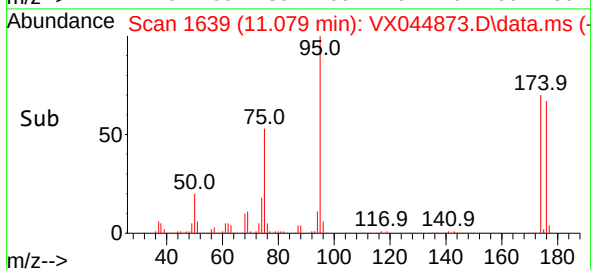
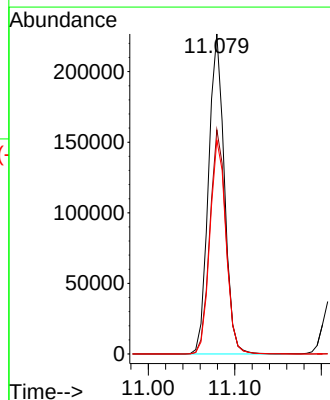
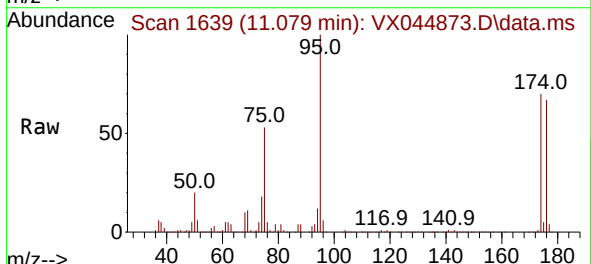
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

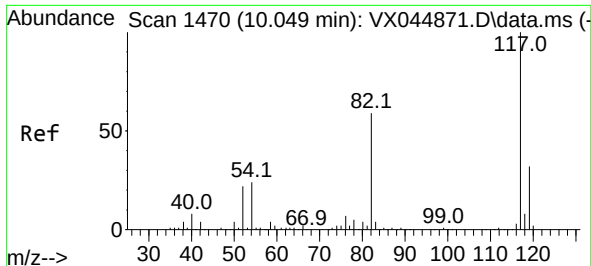
Tgt Ion:107 Resp: 240539
Ion Ratio Lower Upper
107 100
109 94.3 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486
Ion Ratio Lower Upper
95 100
174 71.2 0.0 142.6
176 68.0 0.0 141.6

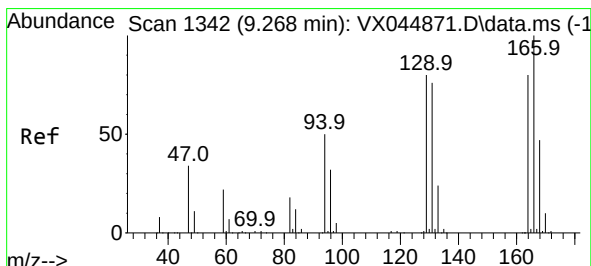
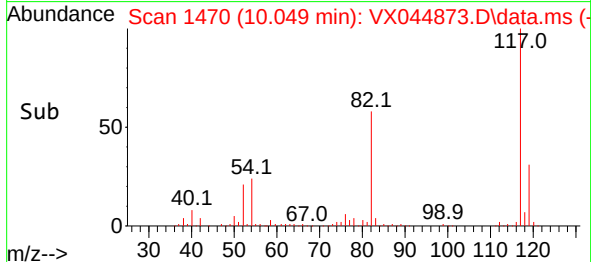
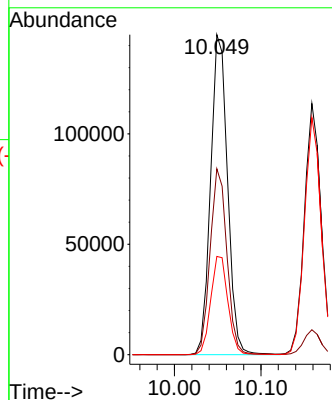
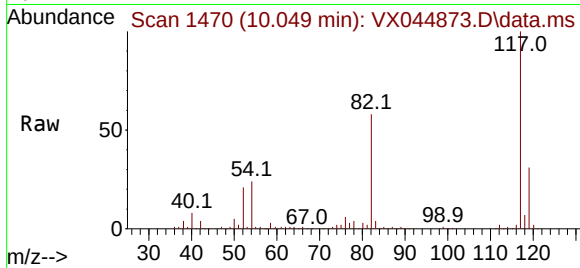




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

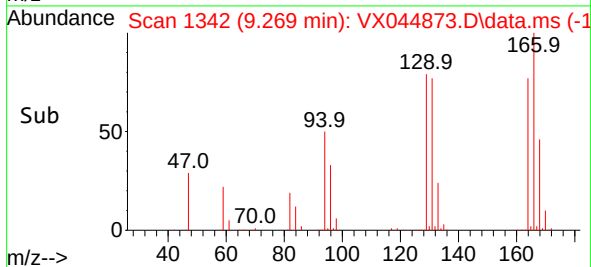
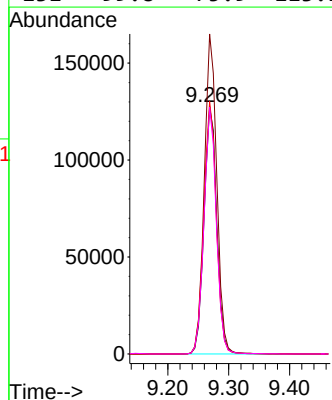
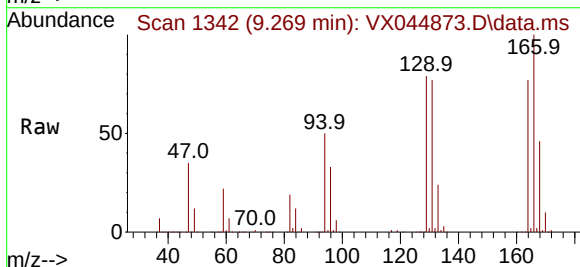
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

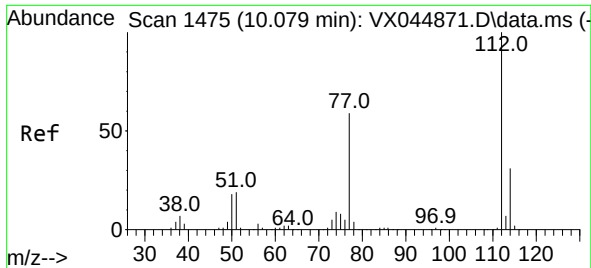
Tgt Ion:117 Resp: 196663
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 30.7 25.4 38.0



#64
Tetrachloroethene
Concen: 149.155 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990
Ion Ratio Lower Upper
164 100
166 129.5 100.4 150.6
129 102.3 79.9 119.9
131 99.8 75.9 113.9

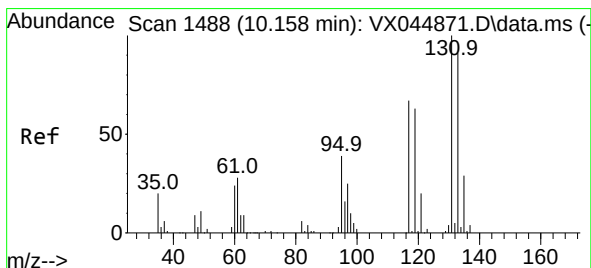
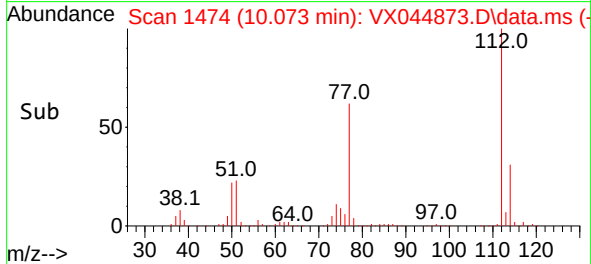
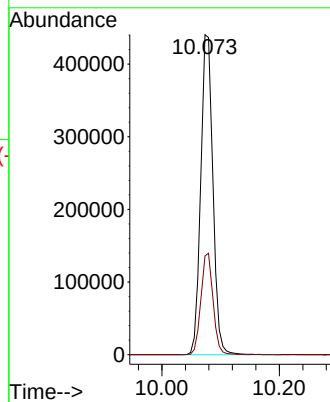
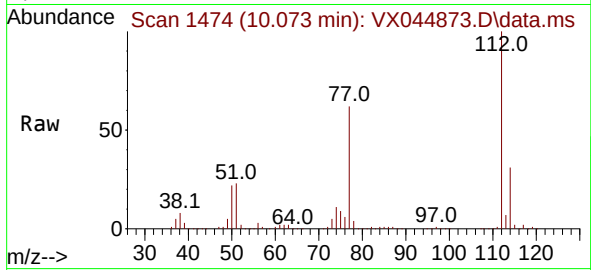




#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

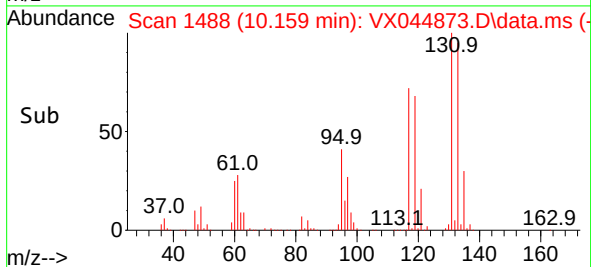
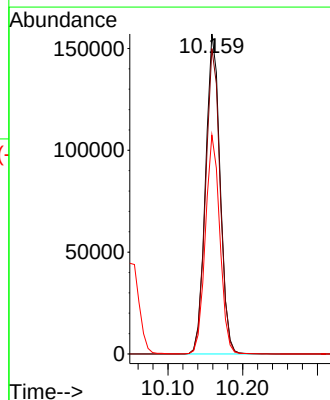
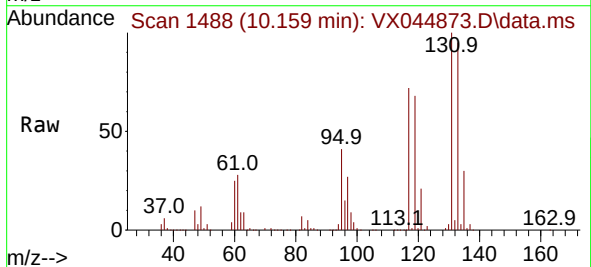
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

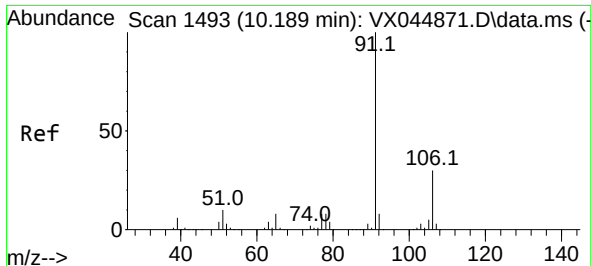
Tgt Ion:112 Resp: 634550
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 156.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:131 Resp: 212441
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 152.647 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

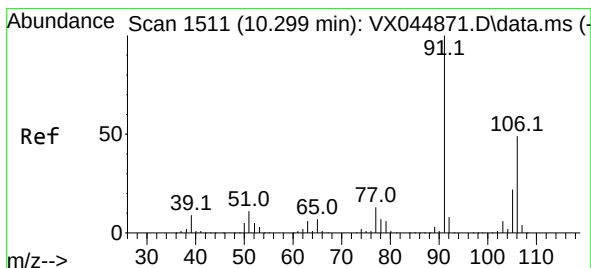
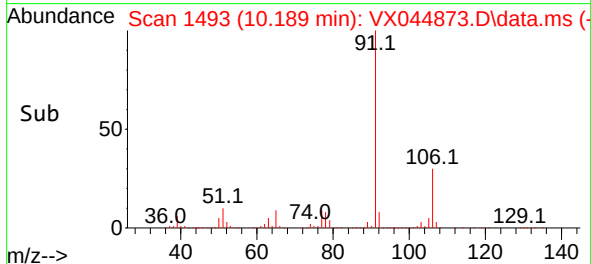
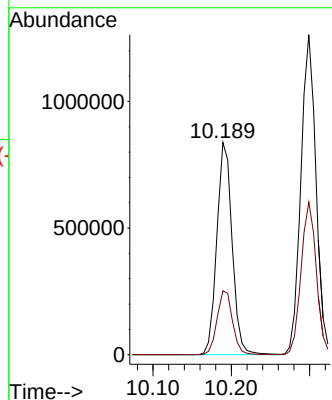
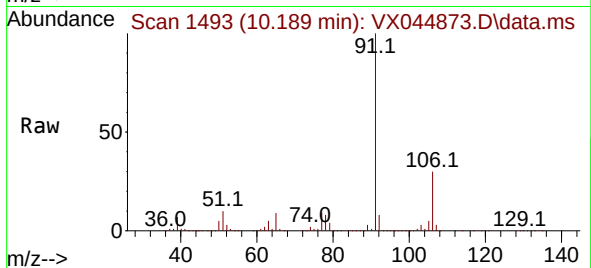
VSTDICC150

Tgt Ion: 91 Resp: 1137842

Ion Ratio Lower Upper

91 100

106 30.1 23.9 35.9



#68

m/p-Xylenes

Concen: 297.841 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044873.D

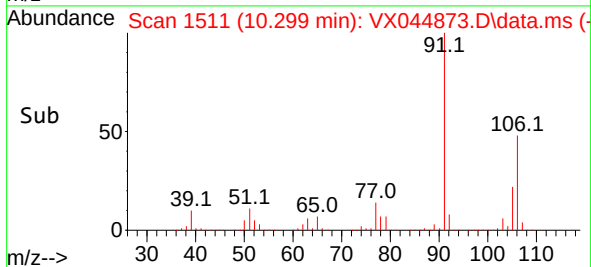
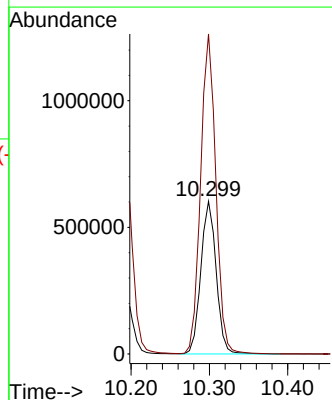
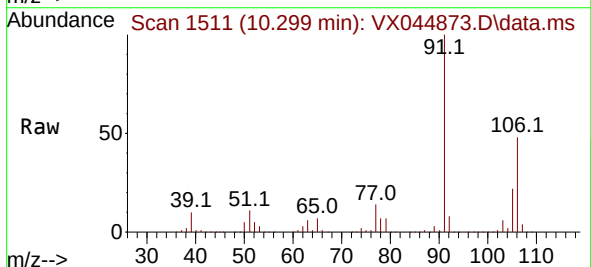
Acq: 10 Feb 2025 12:28

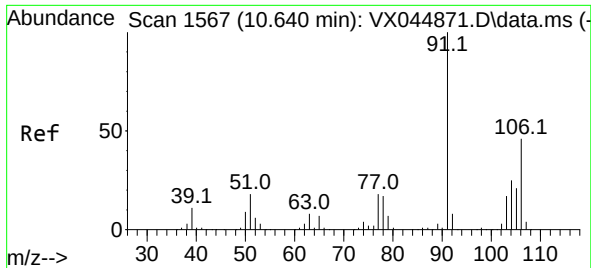
Tgt Ion:106 Resp: 818971

Ion Ratio Lower Upper

106 100

91 208.6 164.3 246.5

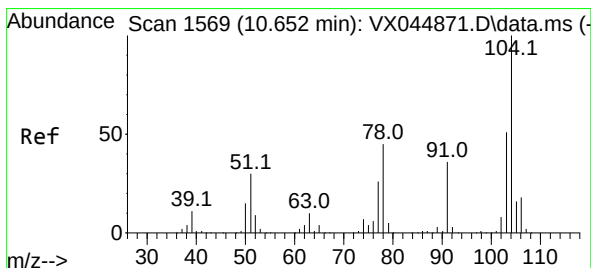
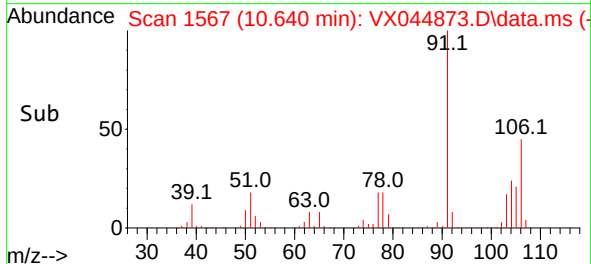
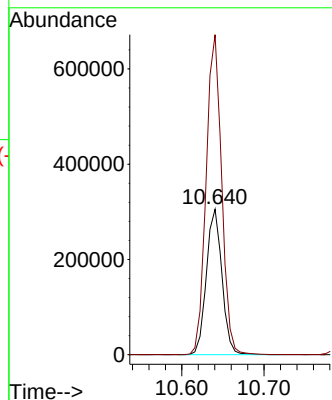
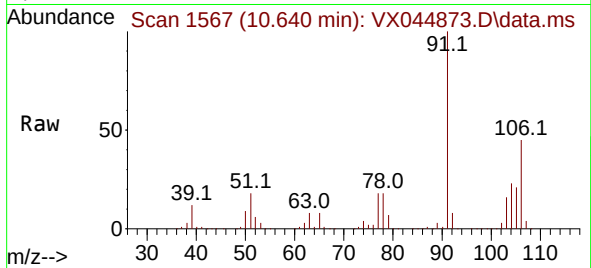




#69
o-Xylene
Concen: 145.674 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

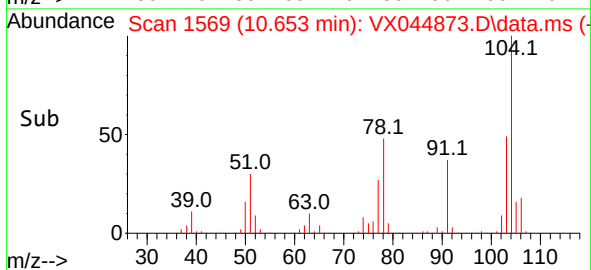
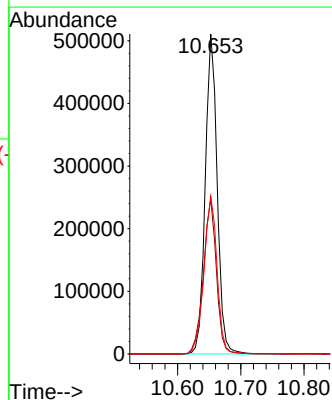
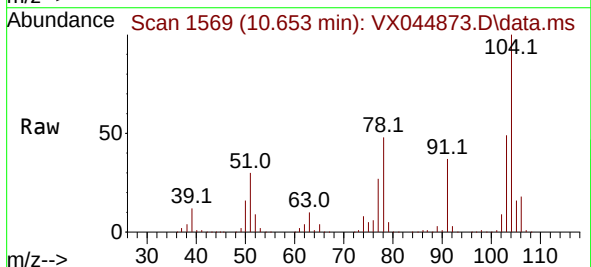
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

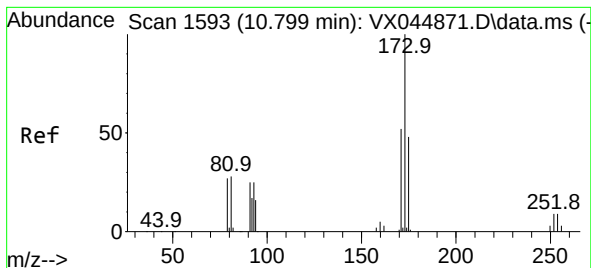
Tgt Ion:106 Resp: 401928
Ion Ratio Lower Upper
106 100
91 218.9 108.5 325.5



#70
Styrene
Concen: 151.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:104 Resp: 671843
Ion Ratio Lower Upper
104 100
78 53.0 40.5 60.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 167.033 ug/l

RT: 10.799 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

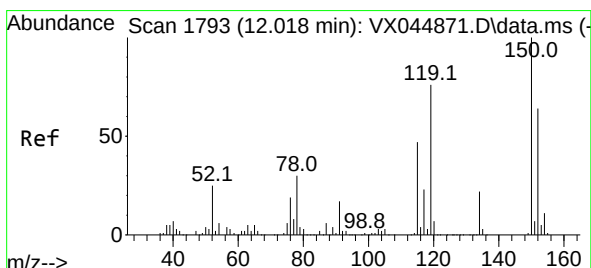
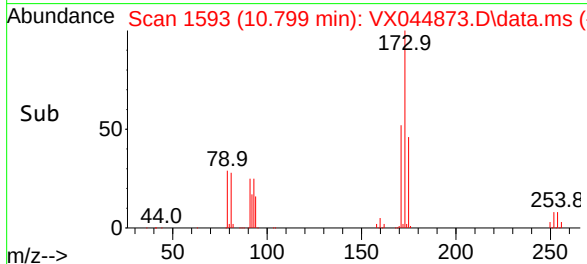
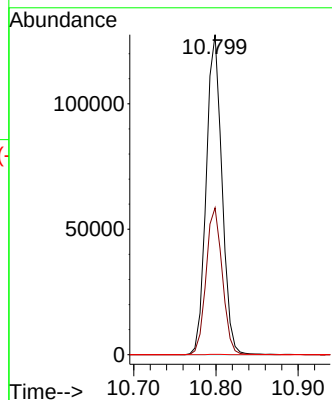
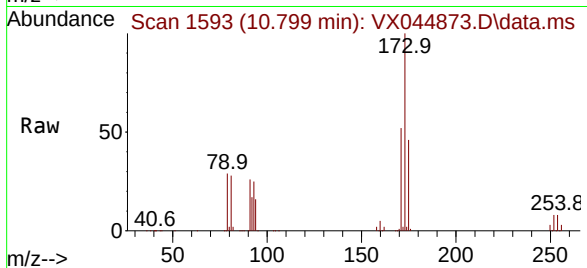
Tgt Ion:173 Resp: 169481

Ion Ratio Lower Upper

173 100

175 47.4 24.3 72.8

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

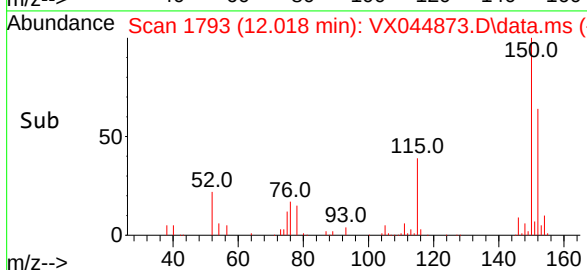
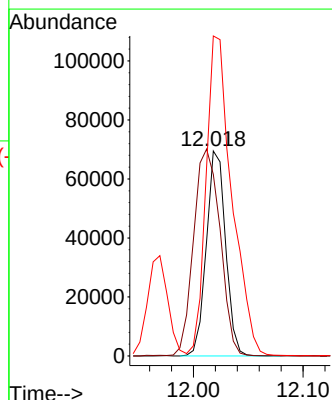
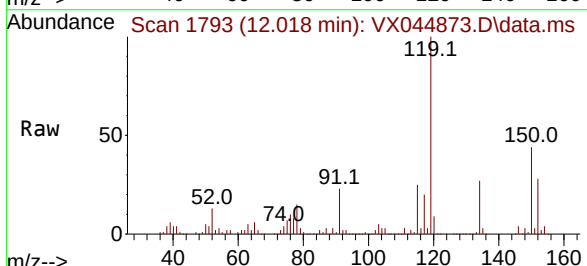
Tgt Ion:152 Resp: 84836

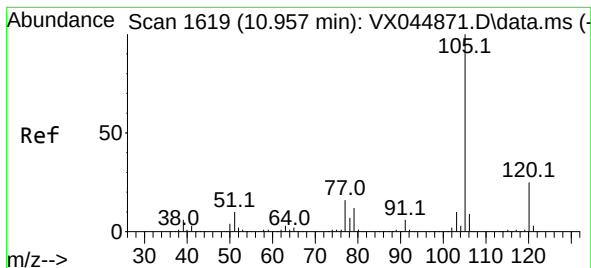
Ion Ratio Lower Upper

152 100

115 139.2 43.4 130.1#

150 209.6 0.0 350.4

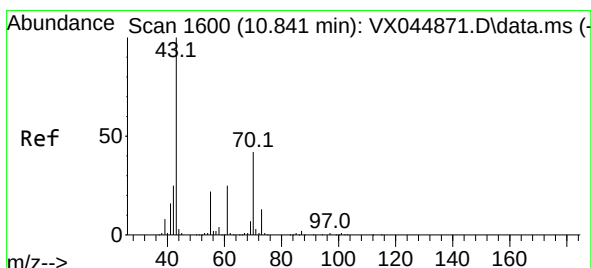
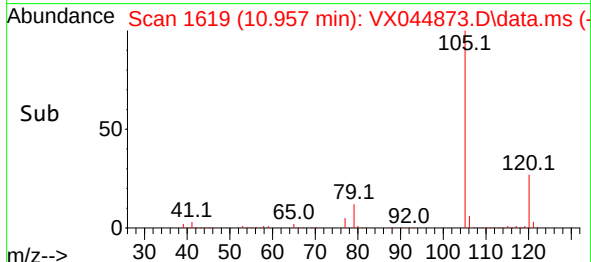
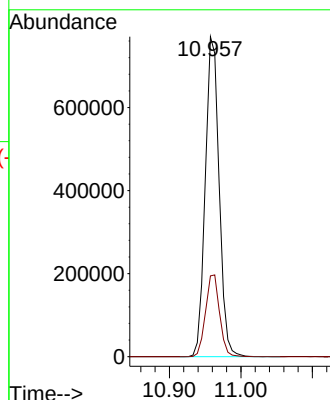
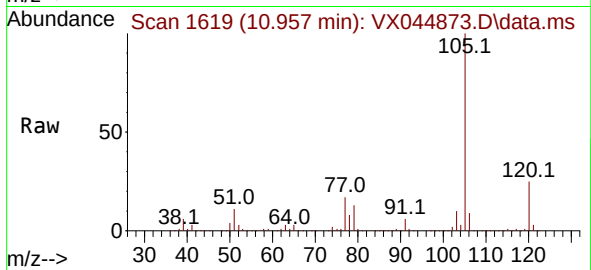




#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

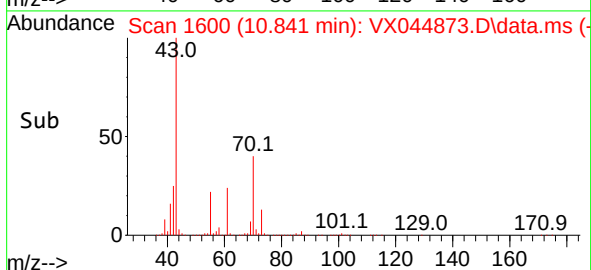
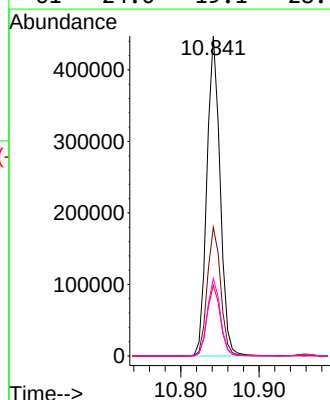
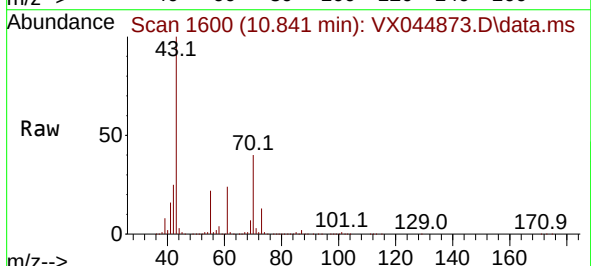
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

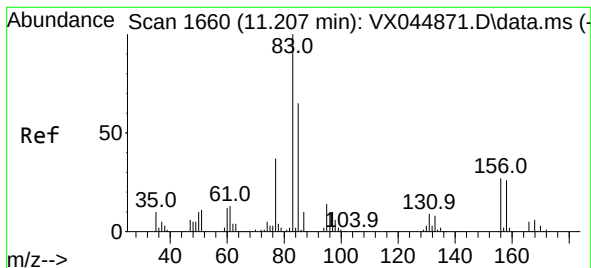
Tgt Ion:105 Resp: 1037402
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5



#74
N-ethyl acetate
Concen: 168.861 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962
Ion Ratio Lower Upper
43 100
70 41.0 33.7 50.5
55 22.3 18.6 27.8
61 24.0 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 147.409 ug/l

RT: 11.213 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

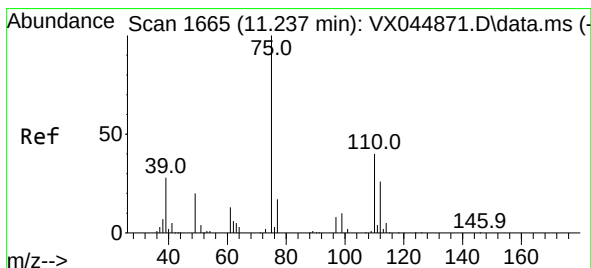
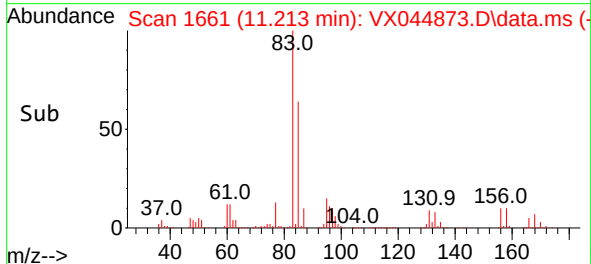
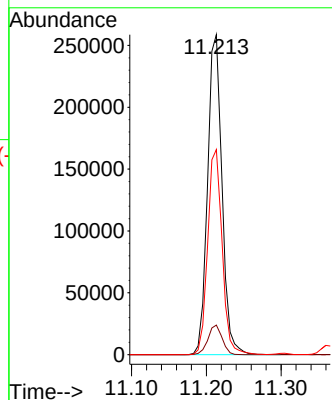
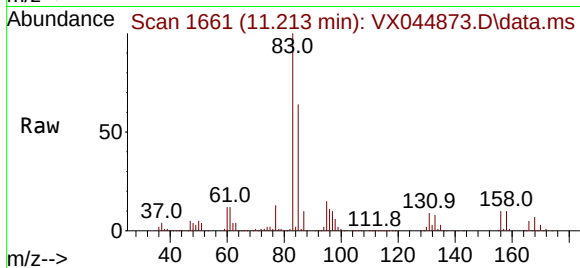
Tgt Ion: 83 Resp: 346013

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.5

85 64.3 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 208.411 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044873.D

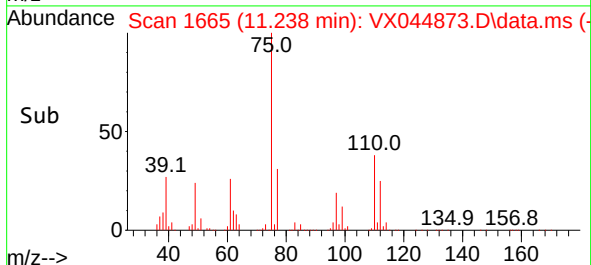
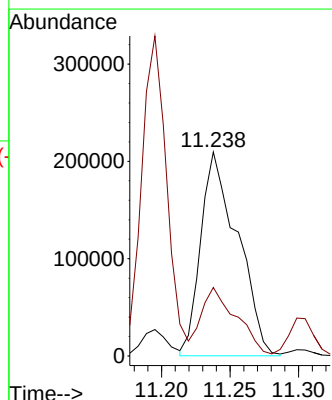
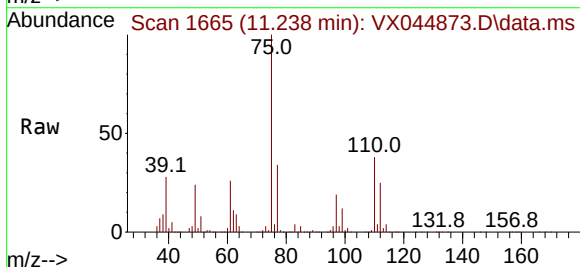
Acq: 10 Feb 2025 12:28

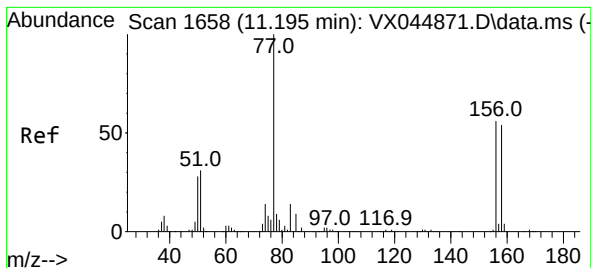
Tgt Ion: 75 Resp: 392008

Ion Ratio Lower Upper

75 100

77 32.2 21.9 65.7





#77

Bromobenzene

Concen: 151.715 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

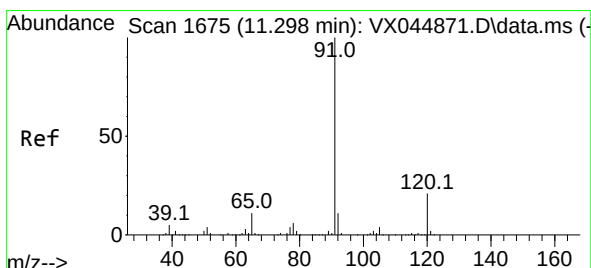
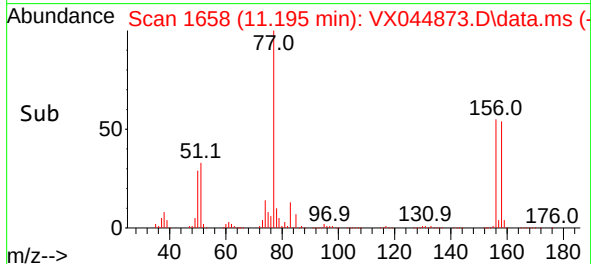
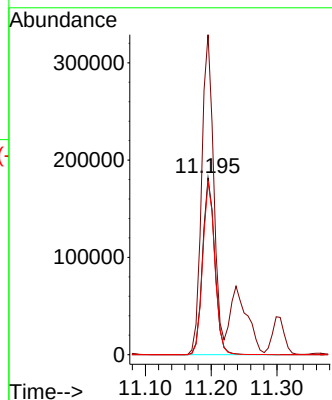
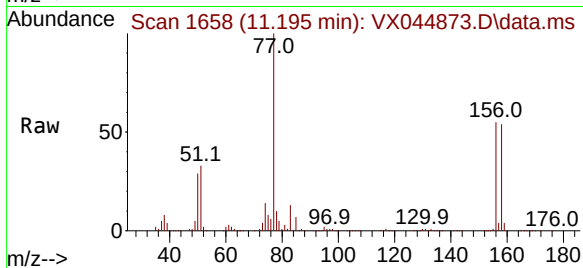
Tgt Ion:156 Resp: 234957

Ion Ratio Lower Upper

156 100

77 179.2 88.4 265.3

158 97.1 48.4 145.2



#78

n-propylbenzene

Concen: 156.140 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044873.D

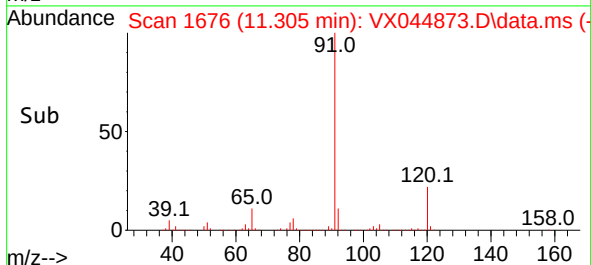
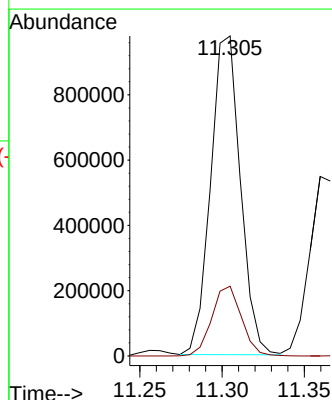
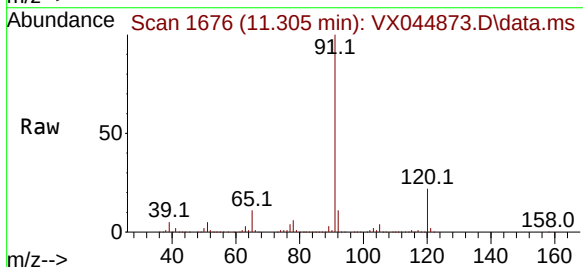
Acq: 10 Feb 2025 12:28

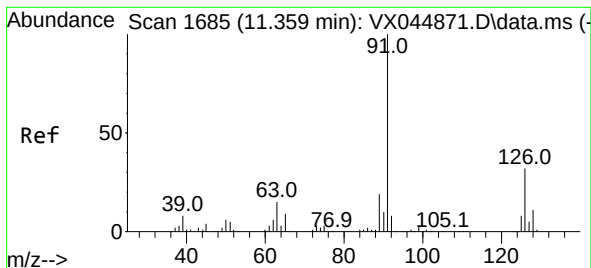
Tgt Ion: 91 Resp: 1231079

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.3

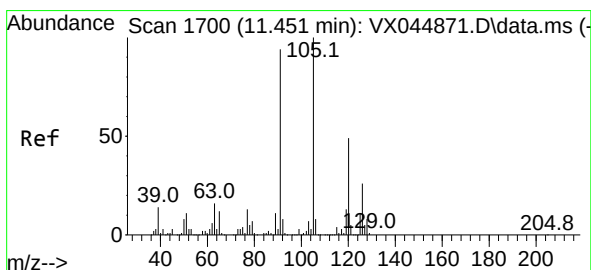
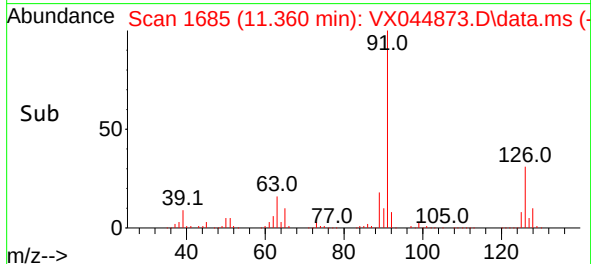
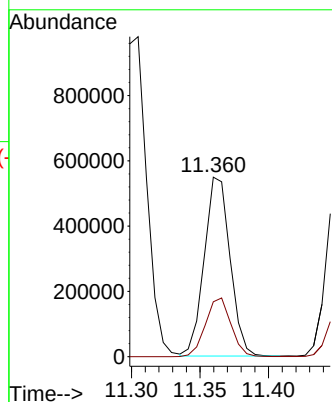
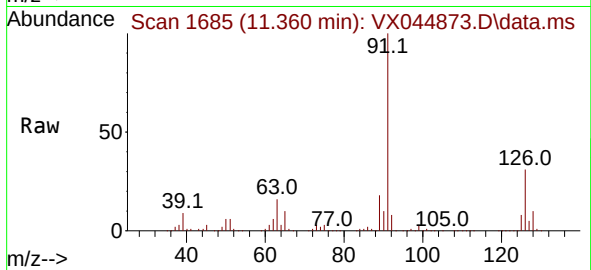




#79
2-Chlorotoluene
Concen: 148.123 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

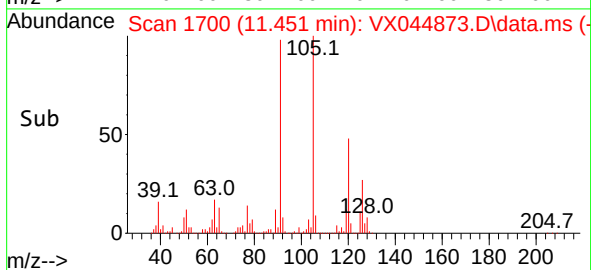
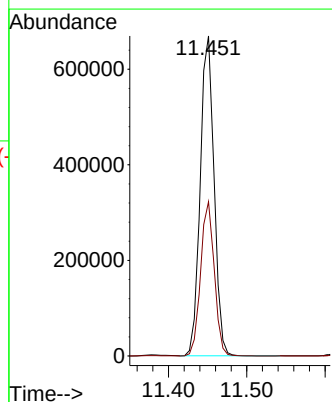
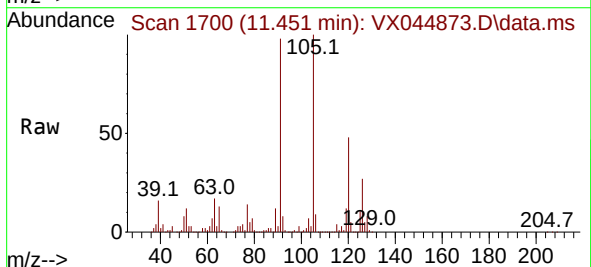
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

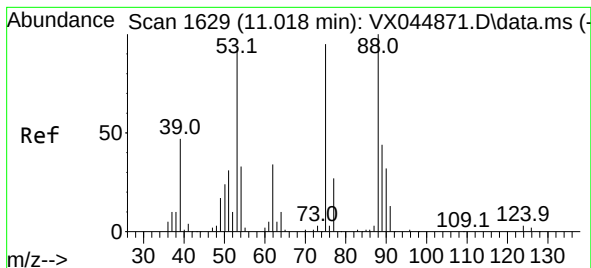
Tgt Ion: 91 Resp: 717766
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 148.415 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 105 Resp: 822707
Ion Ratio Lower Upper
105 100
120 47.6 24.0 72.0

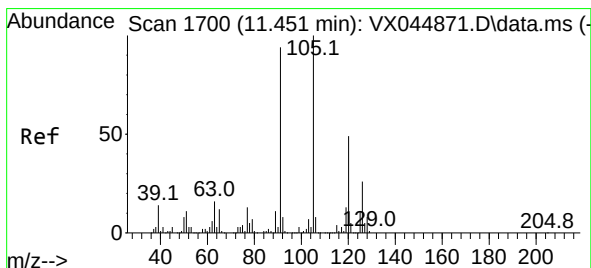
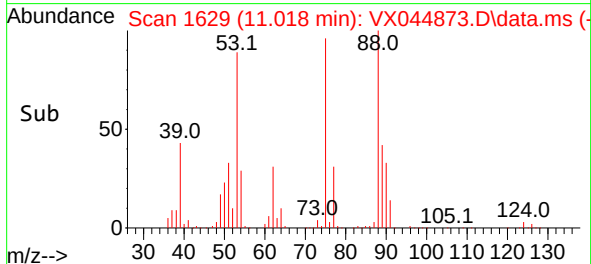
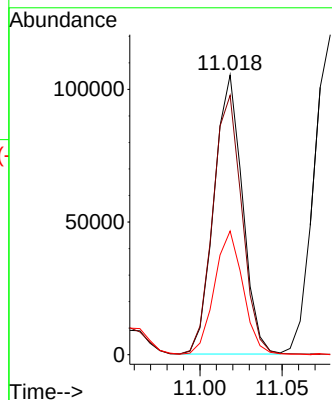
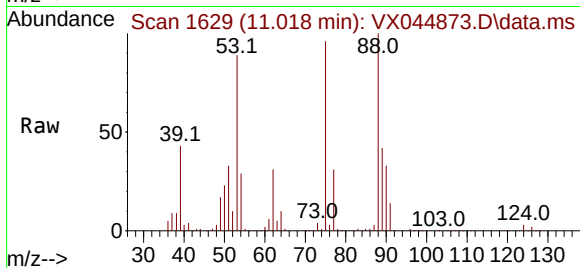




#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

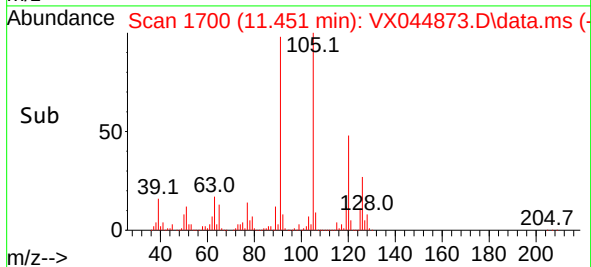
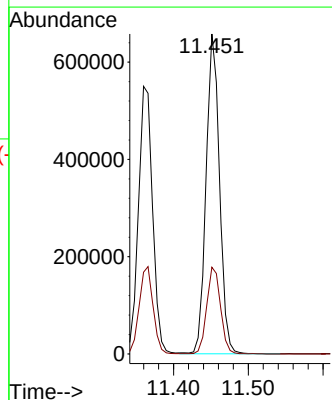
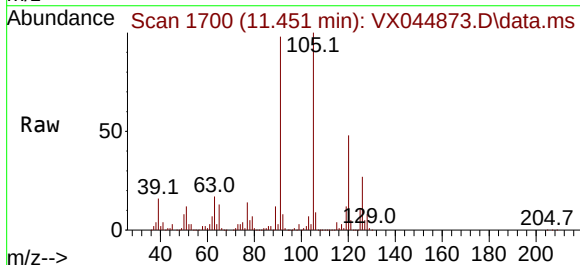
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

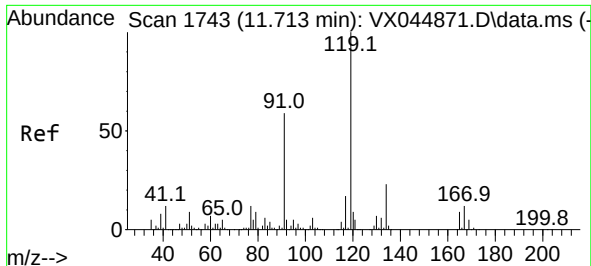
Tgt Ion: 75 Resp: 126660
Ion Ratio Lower Upper
75 100
53 95.2 78.0 117.0
89 44.7 36.6 54.8



#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099
Ion Ratio Lower Upper
91 100
126 27.9 14.2 42.6

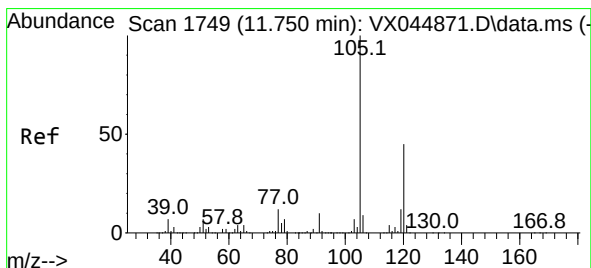
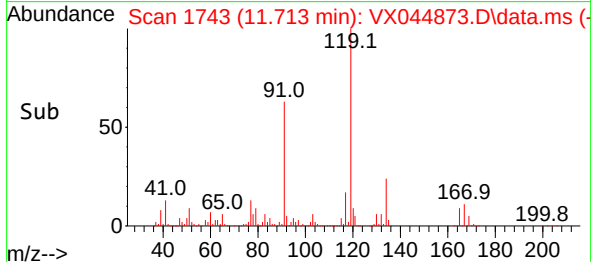
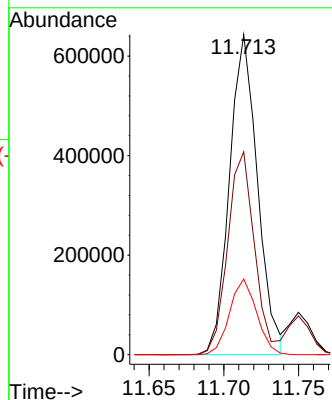
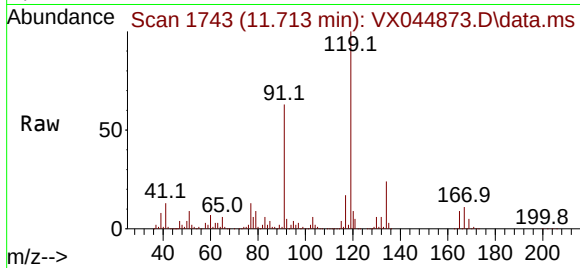




#83
 tert-Butylbenzene
 Concen: 149.610 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

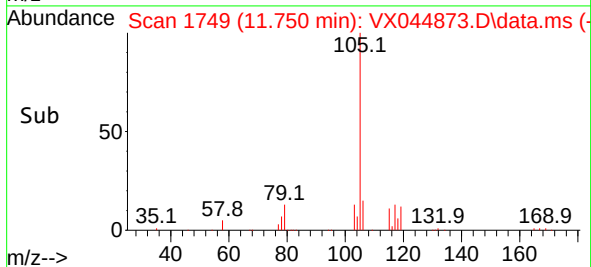
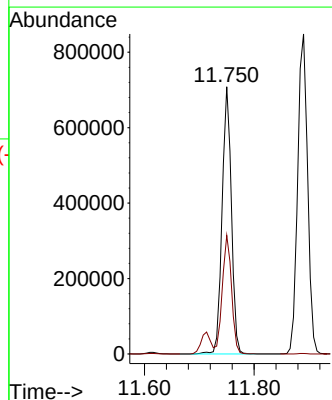
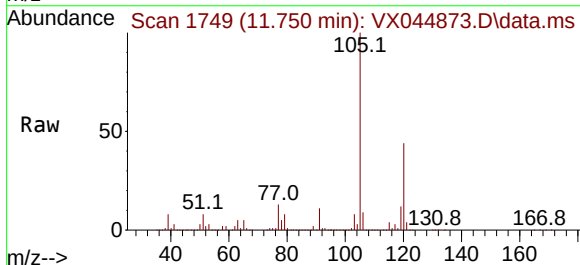
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

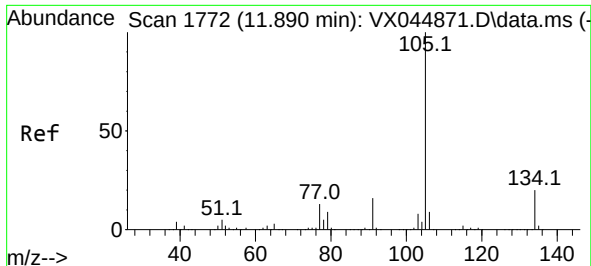
Tgt Ion:119 Resp: 838979
 Ion Ratio Lower Upper
 119 100
 91 61.1 29.1 87.4
 134 22.9 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 153.274 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 838584
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.4 67.0

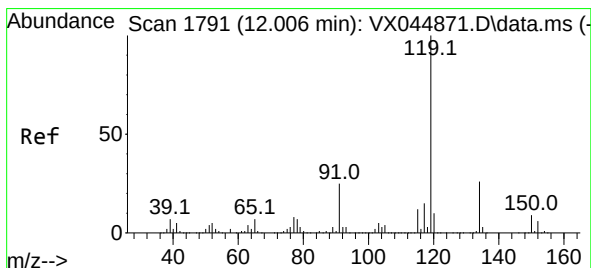
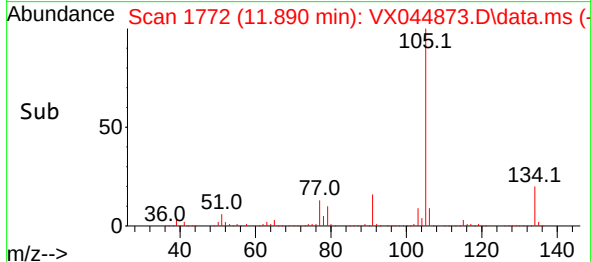
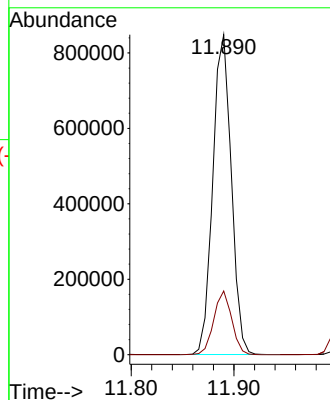
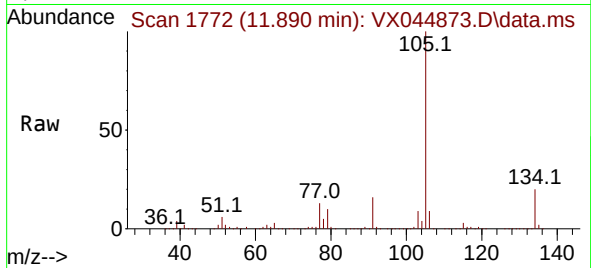




#85
sec-Butylbenzene
Concen: 152.806 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

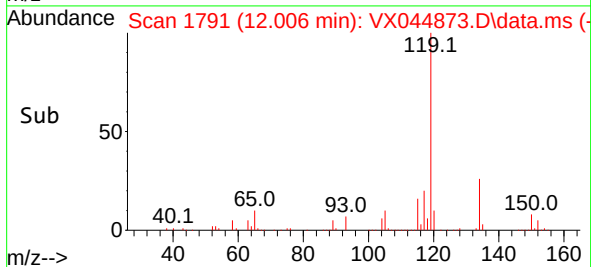
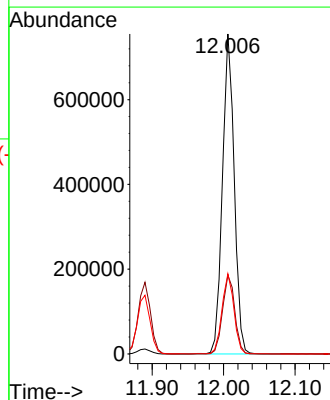
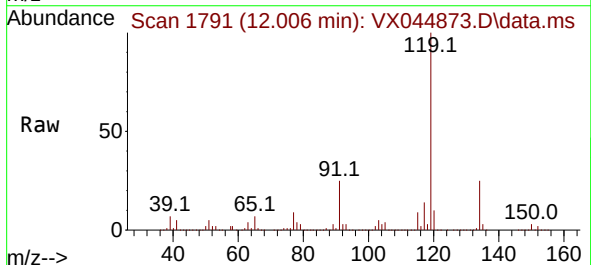
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

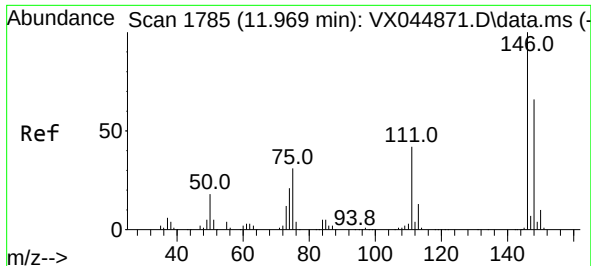
Tgt Ion:105 Resp: 1061101
Ion Ratio Lower Upper
105 100
134 19.3 9.8 29.3



#86
p-Isopropyltoluene
Concen: 154.987 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 865491
Ion Ratio Lower Upper
119 100
134 25.6 13.0 38.9
91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 152.175 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

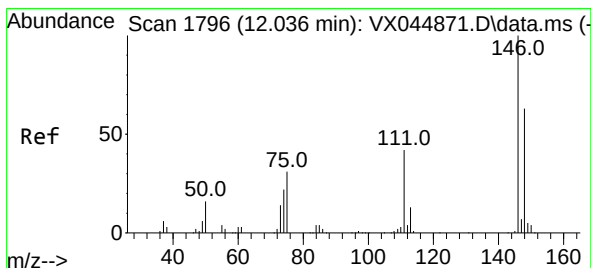
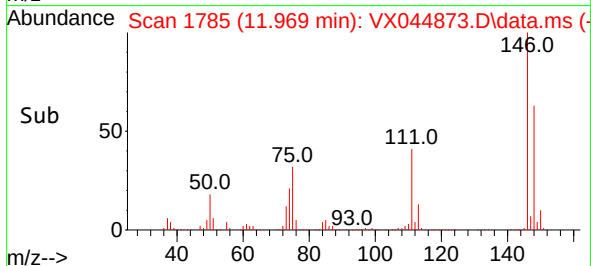
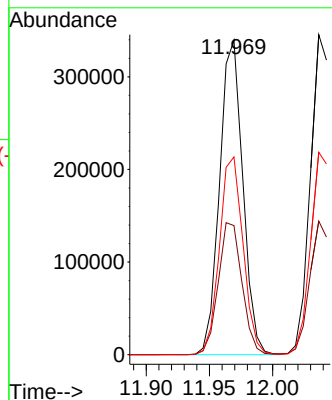
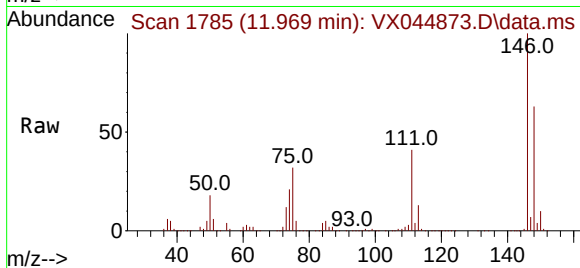
Tgt Ion:146 Resp: 433384

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

148 63.9 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 150.362 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

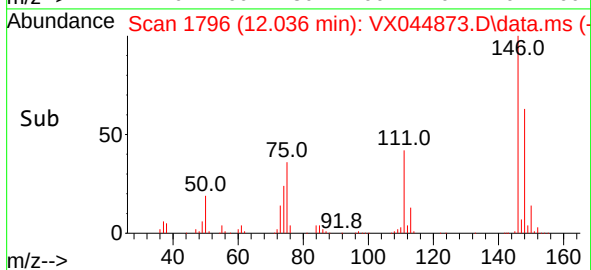
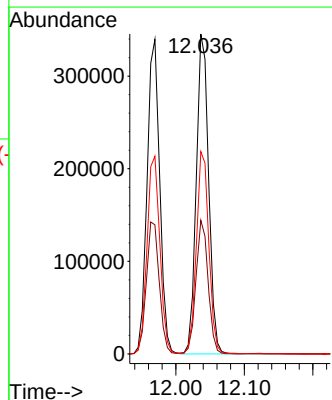
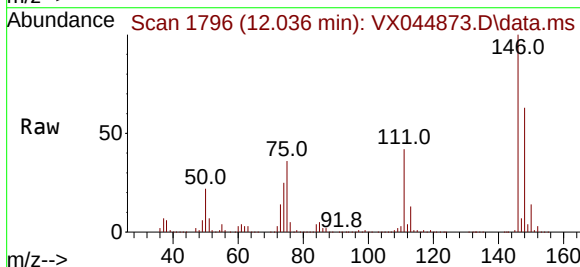
Tgt Ion:146 Resp: 432987

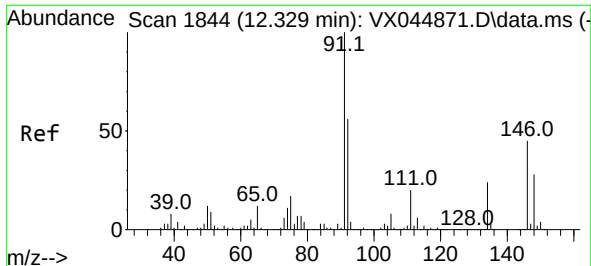
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 63.7 32.0 96.0





#89

n-Butylbenzene

Concen: 167.469 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

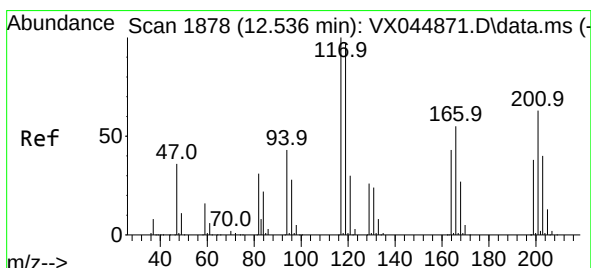
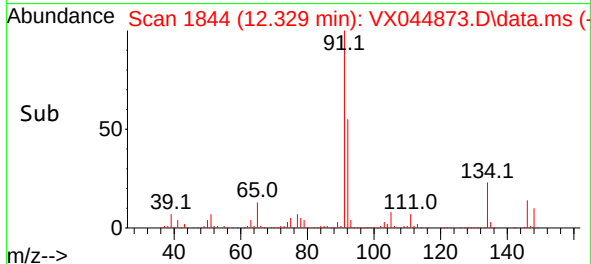
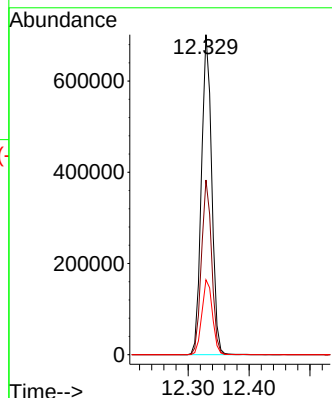
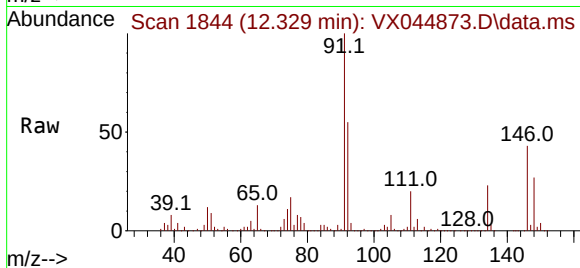
Tgt Ion: 91 Resp: 827359

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

134 24.0 12.1 36.3



#90

Hexachloroethane

Concen: 167.760 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044873.D

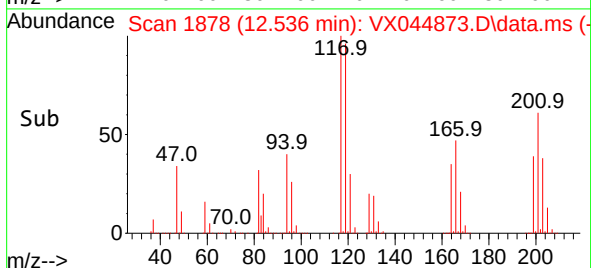
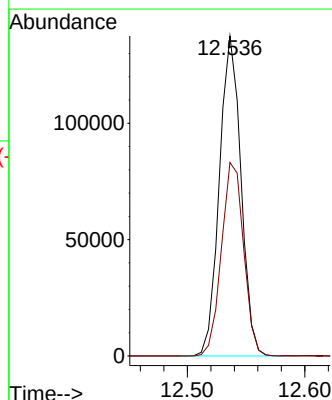
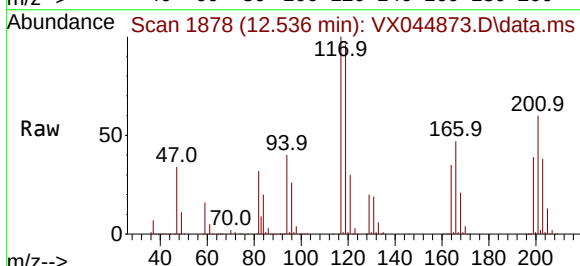
Acq: 10 Feb 2025 12:28

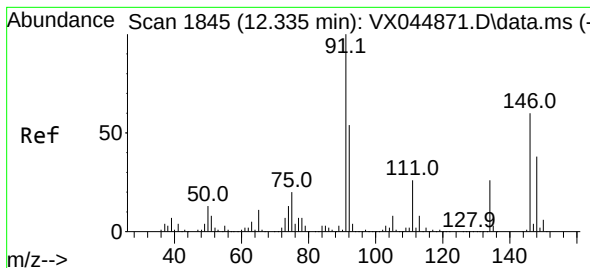
Tgt Ion: 117 Resp: 175414

Ion Ratio Lower Upper

117 100

201 62.4 32.5 97.5

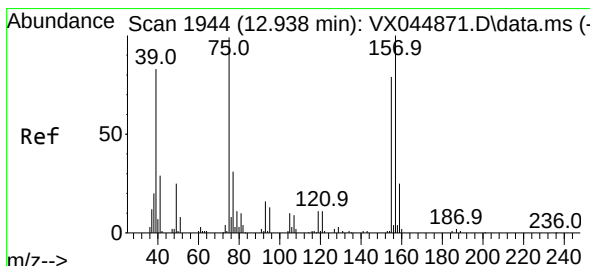
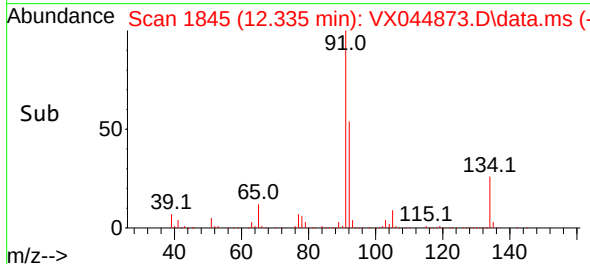
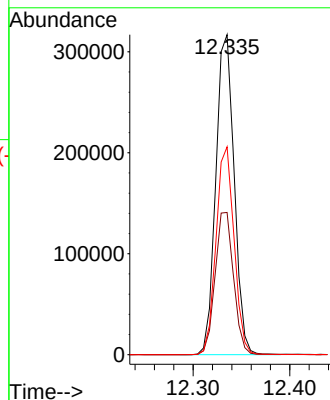
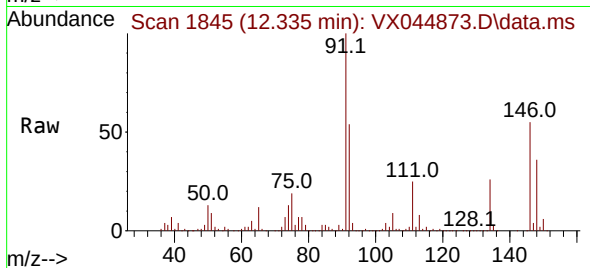




#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

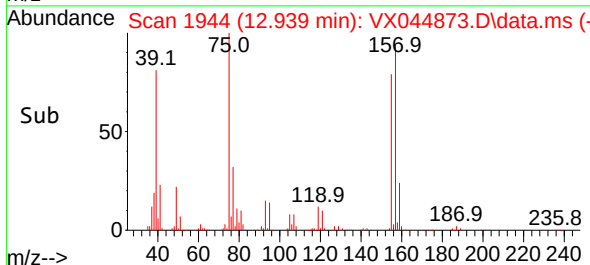
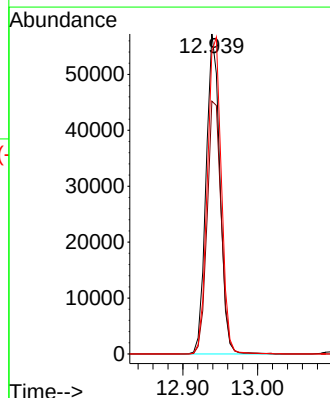
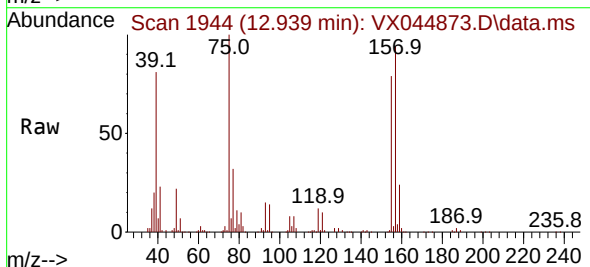
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

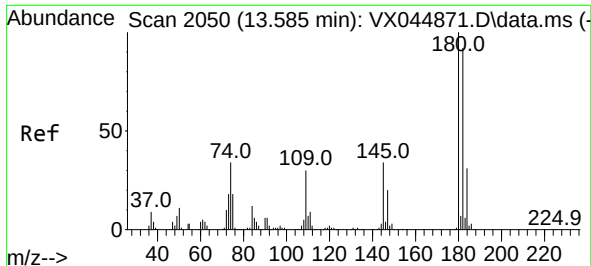
Tgt Ion:146 Resp: 417167
Ion Ratio Lower Upper
146 100
111 44.9 21.8 65.4
148 64.1 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593
Ion Ratio Lower Upper
75 100
155 80.1 40.5 121.4
157 100.5 51.4 154.3

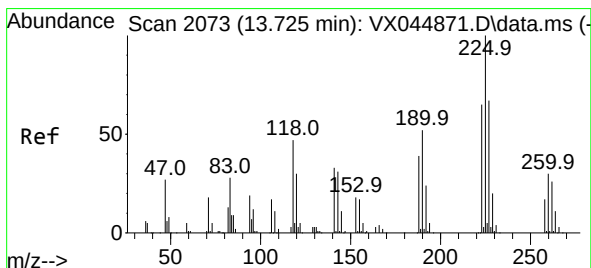
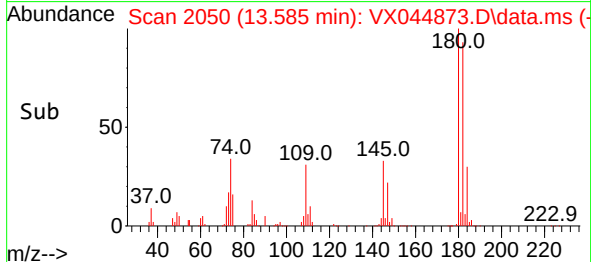
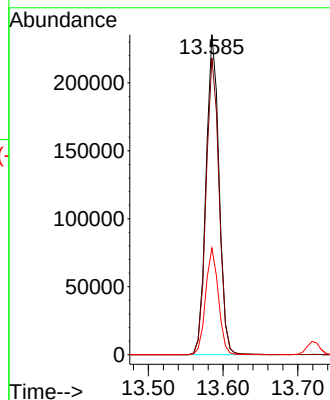
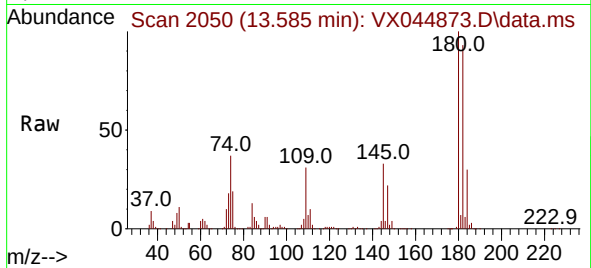




#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

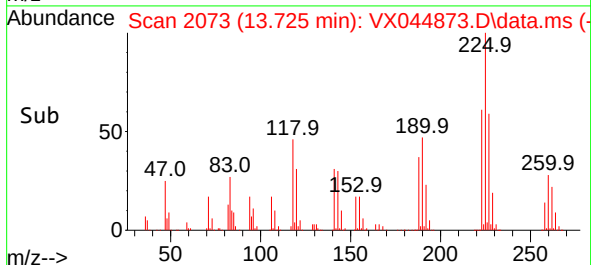
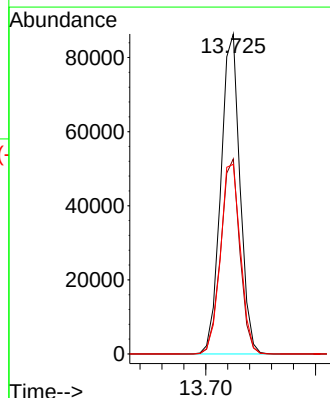
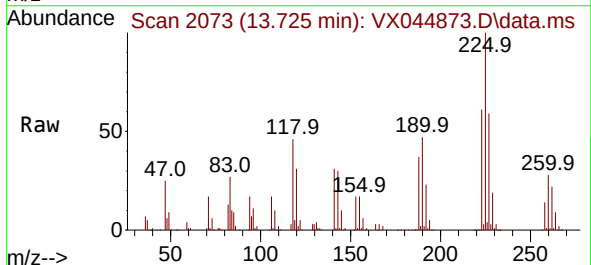
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

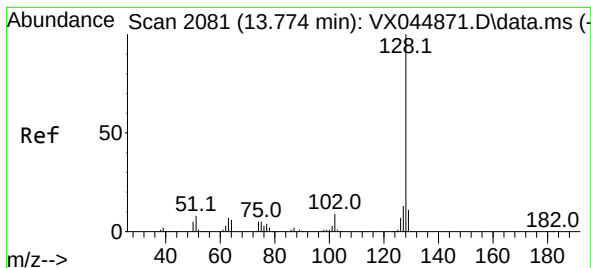
Tgt Ion:180 Resp: 283004
Ion Ratio Lower Upper
180 100
182 93.2 47.6 142.8
145 32.8 16.4 49.1



#94
Hexachlorobutadiene
Concen: 155.682 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:225 Resp: 104674
Ion Ratio Lower Upper
225 100
223 60.9 31.4 94.2
227 61.9 32.3 96.8





#95

Naphthalene

Concen: 165.916 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

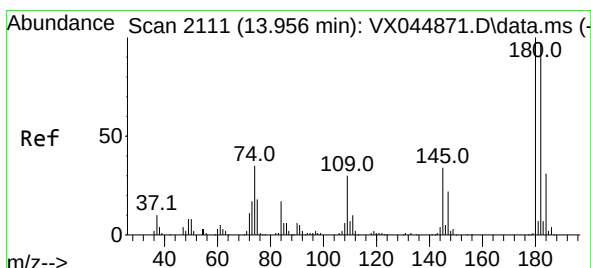
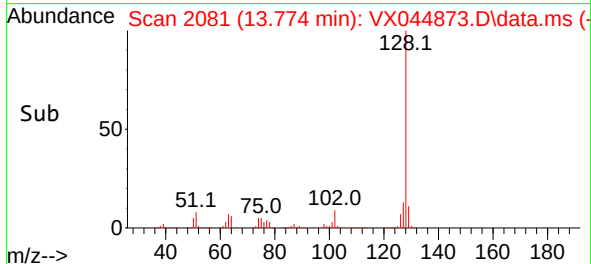
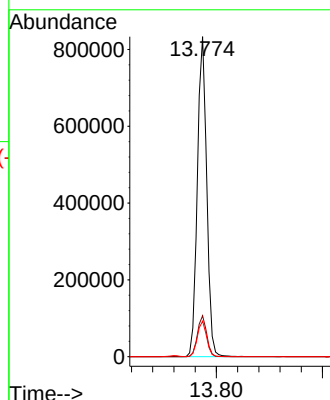
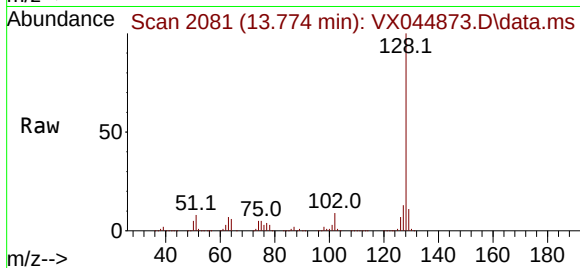
Tgt Ion:128 Resp: 1015801

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 11.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 165.408 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

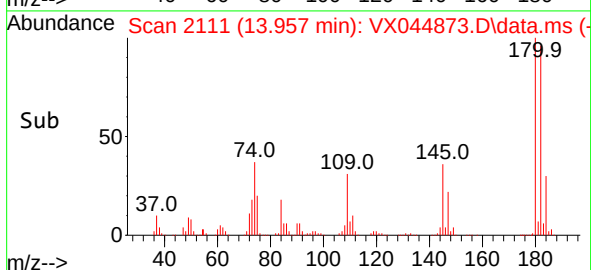
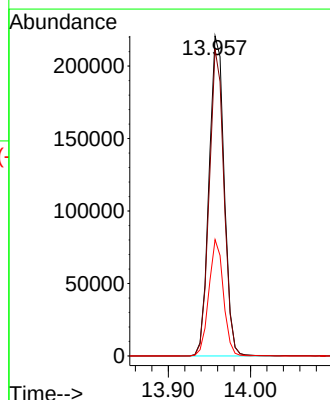
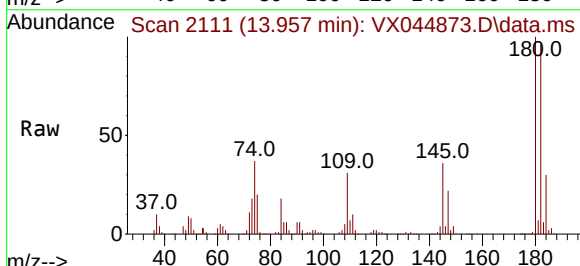
Tgt Ion:180 Resp: 282289

Ion Ratio Lower Upper

180 100

182 93.4 47.9 143.6

145 34.9 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.120%
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.340%
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.580%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l	99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l	100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l	100
44) Trichloroethene	7.116	130	81911	49.917	ug/l	99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l	98
46) Dibromomethane	7.580	93	61360	49.540	ug/l	99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l	99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l	99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l	100
52) Toluene	8.714	92	216682	50.680	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l	100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l	99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l	99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l	99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l	99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l	100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l	98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l	98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l	99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l	100
69) o-Xylene	10.640	106	151995	50.804	ug/l	100
70) Styrene	10.652	104	257972	53.521	ug/l	100
71) Bromoform	10.799	173	59409	53.997	ug/l #	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l	100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	143167	66.510	ug/l	83
77) Bromobenzene	11.195	156	88129	49.725	ug/l	100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l	99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l	99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l	100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l	100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l	100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l	100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l	100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l	99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l	98
95) Naphthalene	13.774	128	371576	53.033	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l	99

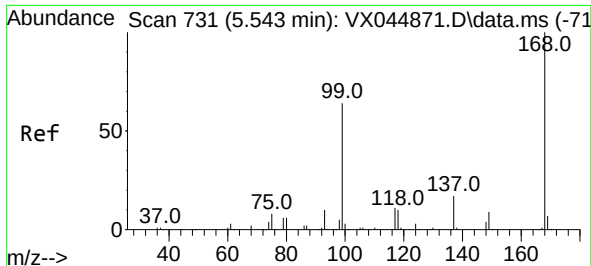
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Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
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Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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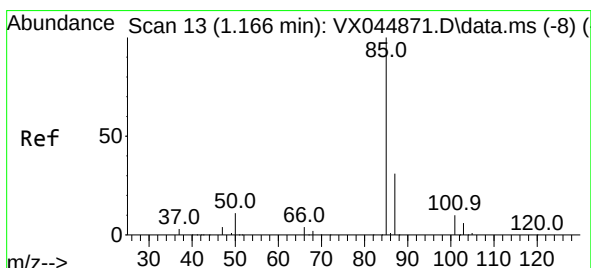
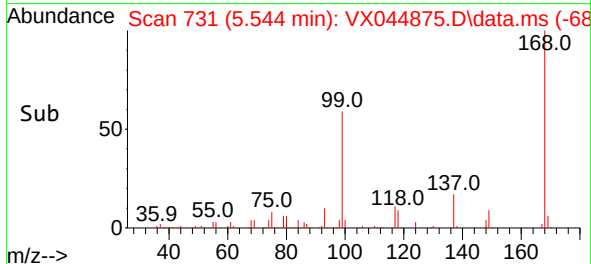
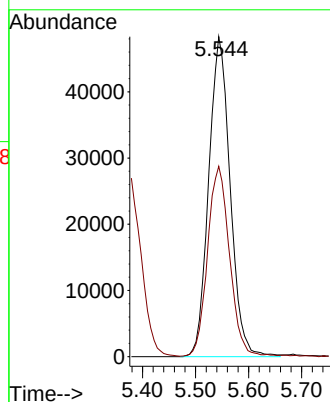
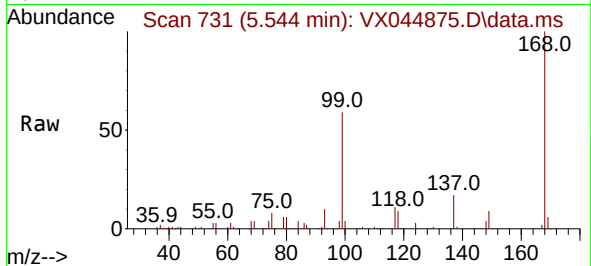
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

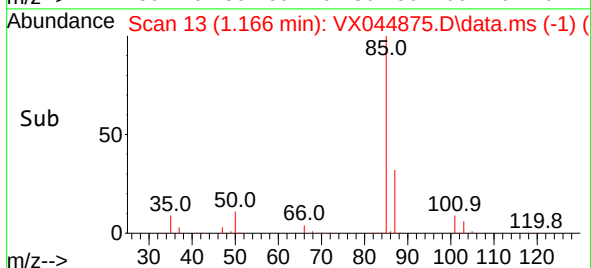
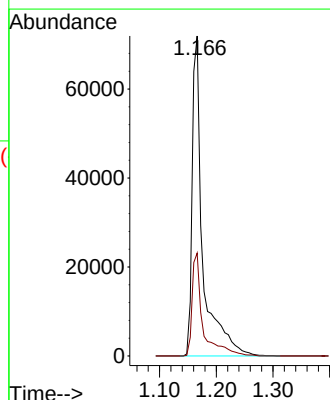
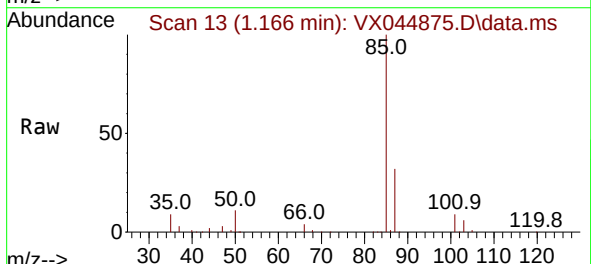
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MSVOA_X
ClientSampleId :
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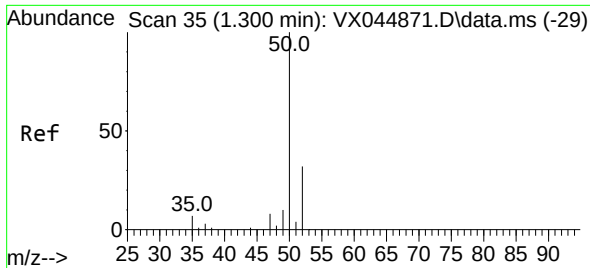
Tgt Ion:168 Resp: 135936
Ion Ratio Lower Upper
168 100
99 59.3 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 85 Resp: 93752
Ion Ratio Lower Upper
85 100
87 32.1 15.8 47.3

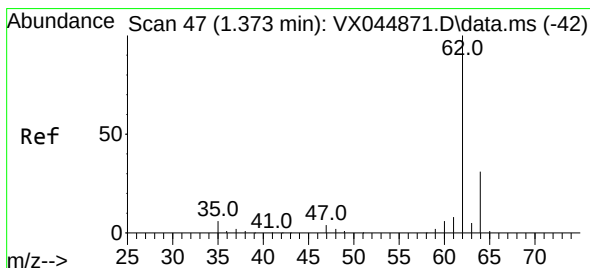
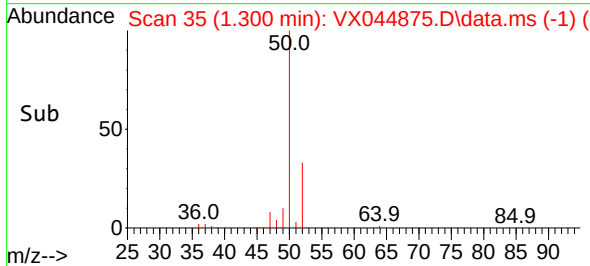
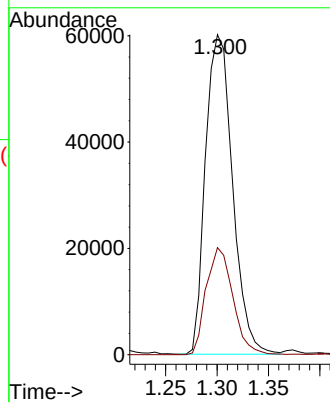
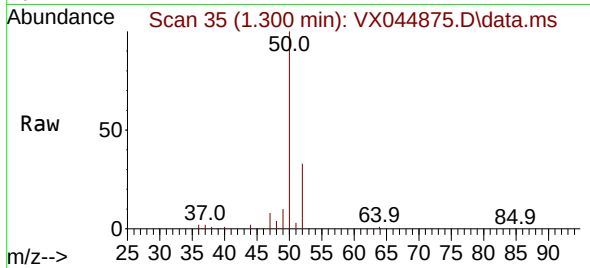




#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

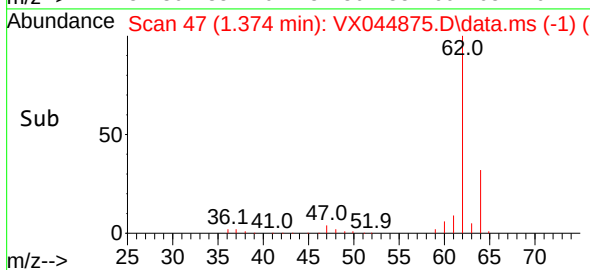
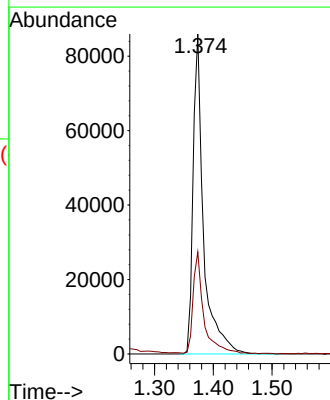
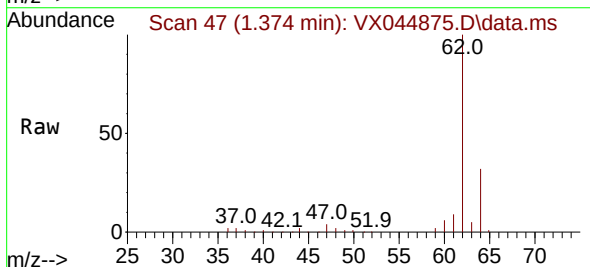
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ClientSampleId :
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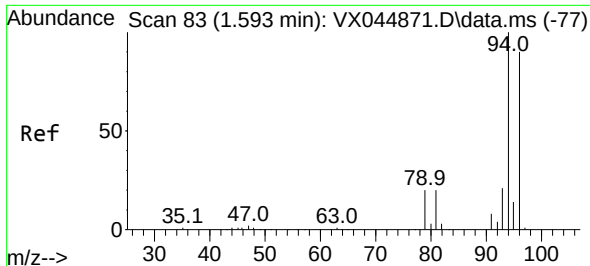
Tgt Ion: 50 Resp: 110431
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9



#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

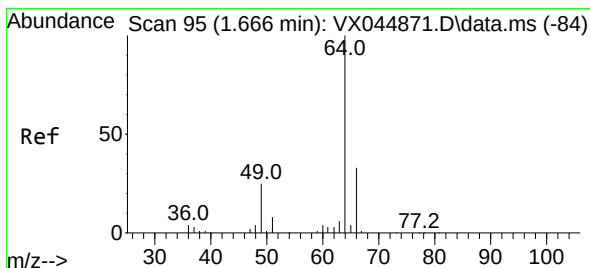
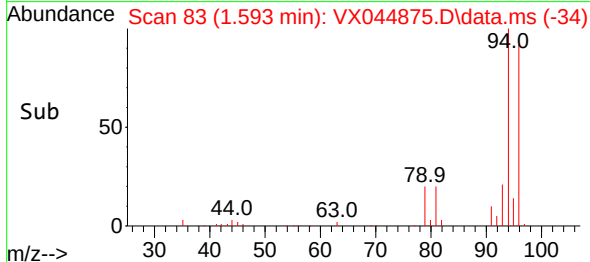
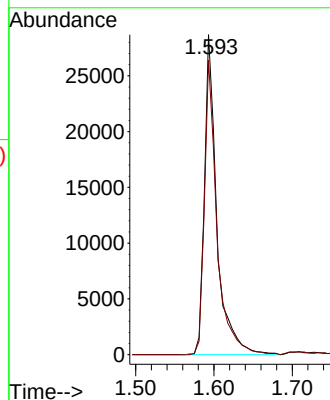
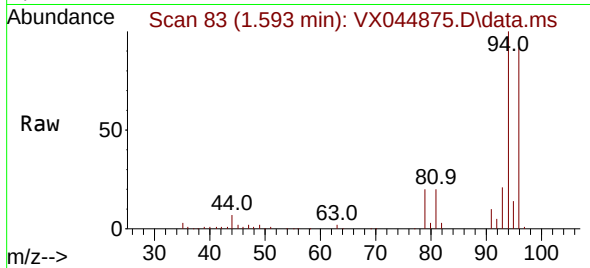




#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

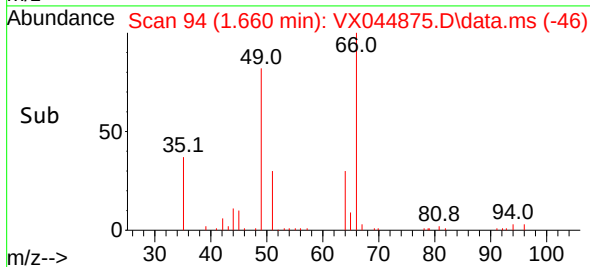
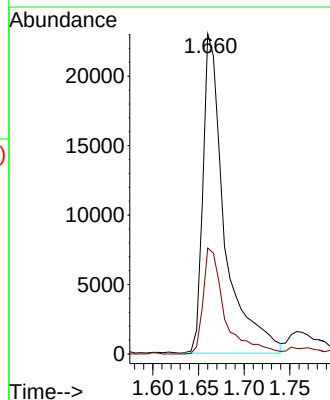
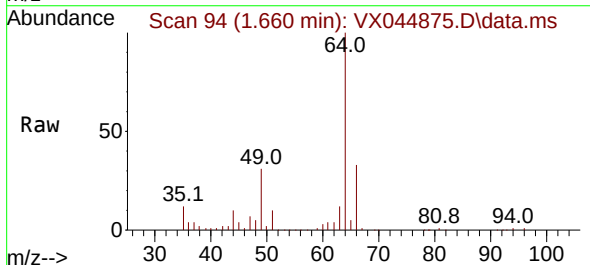
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ClientSampleId :
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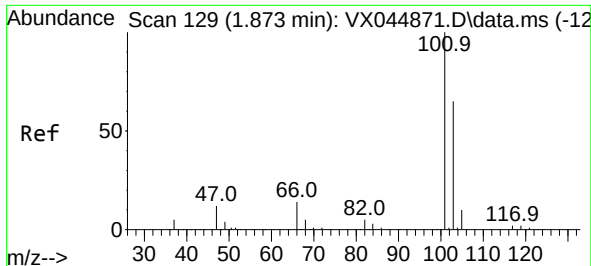
Tgt Ion: 94 Resp: 31428
Ion Ratio Lower Upper
94 100
96 92.0 71.6 107.4



#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913
Ion Ratio Lower Upper
64 100
66 33.2 25.9 38.9

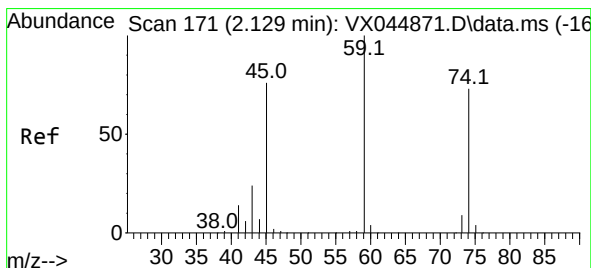
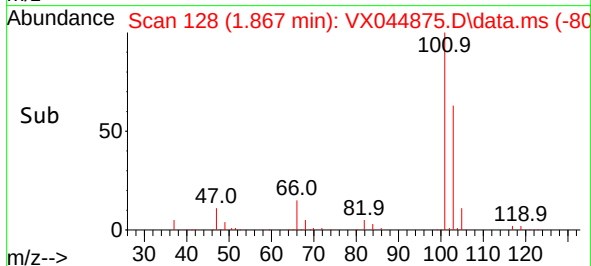
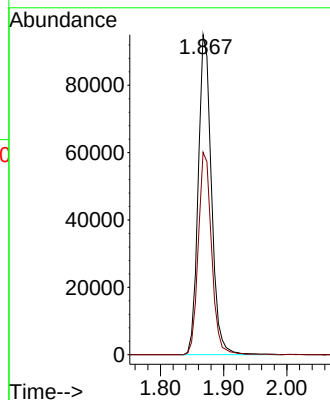
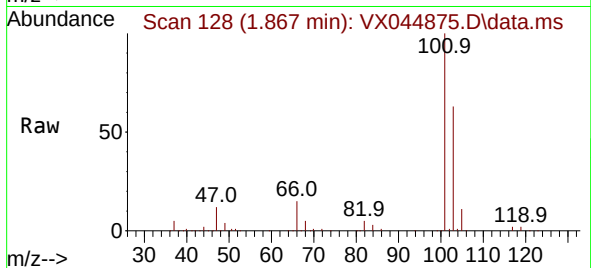




#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

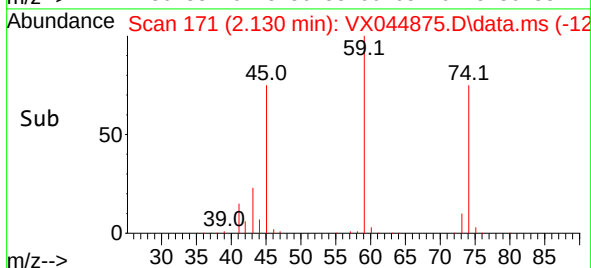
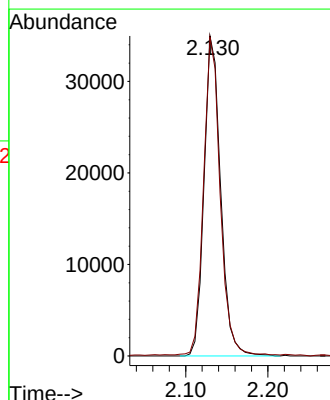
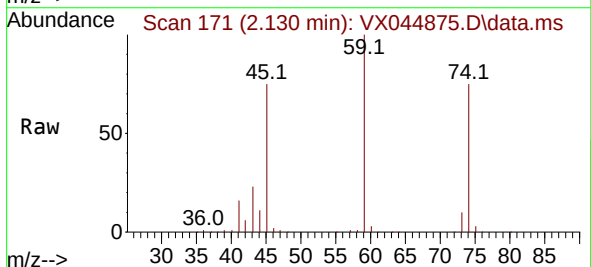
Instrument :
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ClientSampleId :
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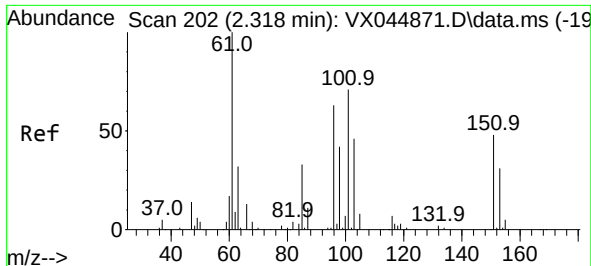
Tgt Ion:101 Resp: 138044
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6



#8
Diethyl Ether
Concen: 47.544 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018
Ion Ratio Lower Upper
74 100
45 98.9 51.1 153.4

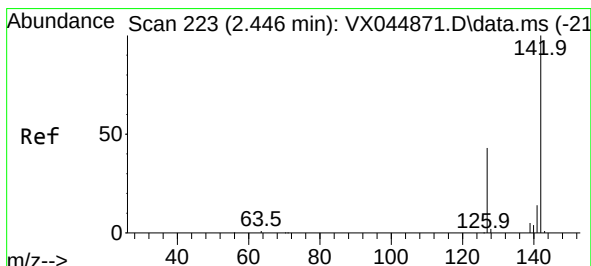
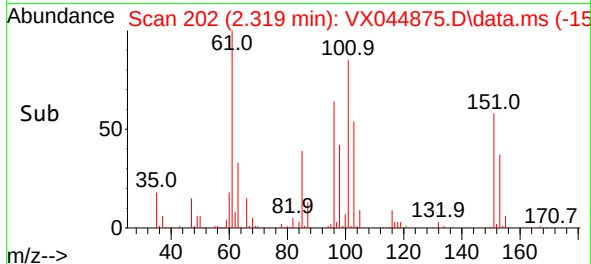
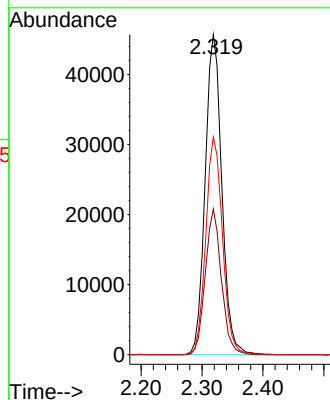
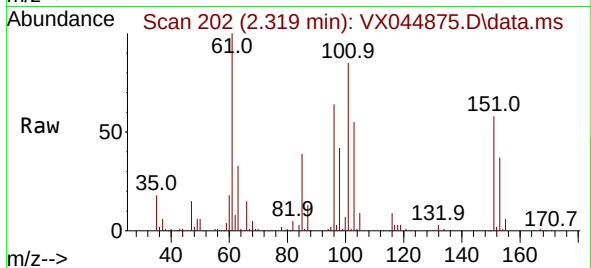




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.588 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

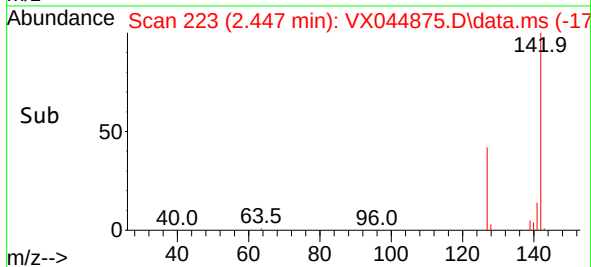
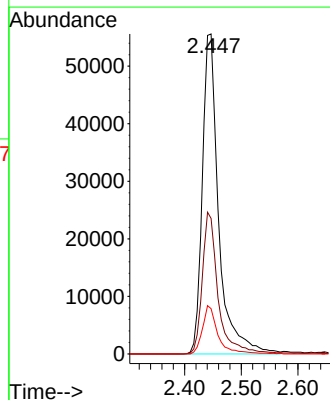
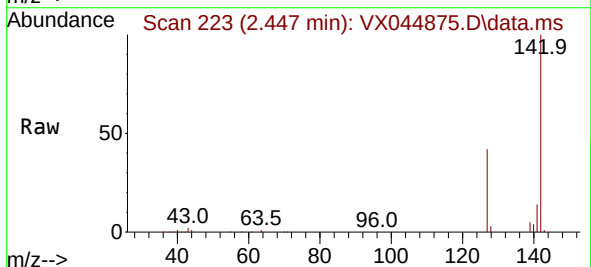
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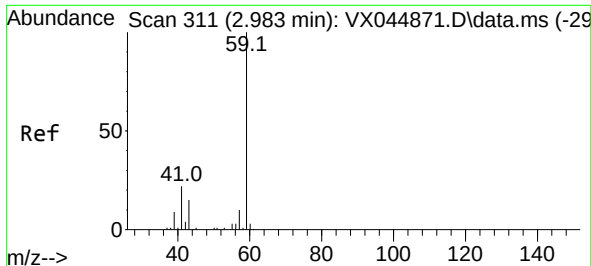
Tgt Ion:101 Resp: 86892
Ion Ratio Lower Upper
101 100
85 43.9 35.7 53.5
151 68.4 56.0 84.0



#10
Methyl Iodide
Concen: 50.082 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:142 Resp: 111488
Ion Ratio Lower Upper
142 100
127 43.1 34.3 51.5
141 14.3 11.4 17.2

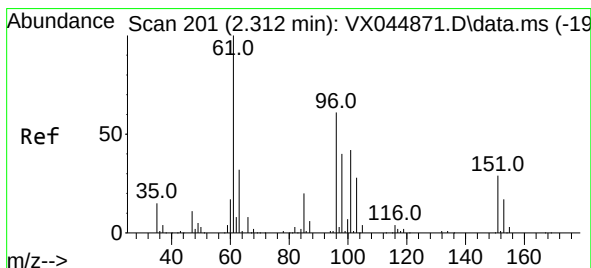
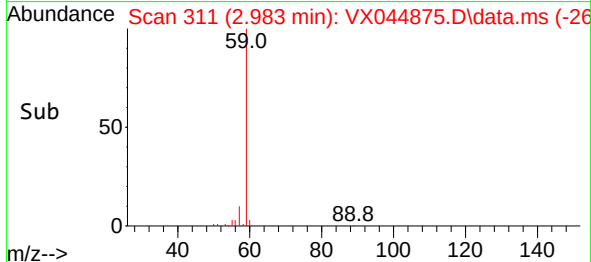
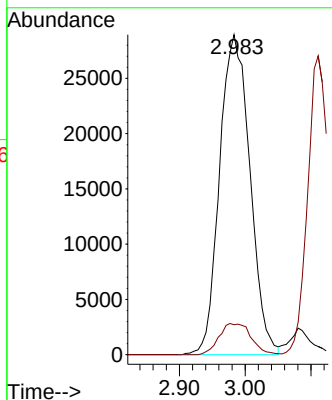
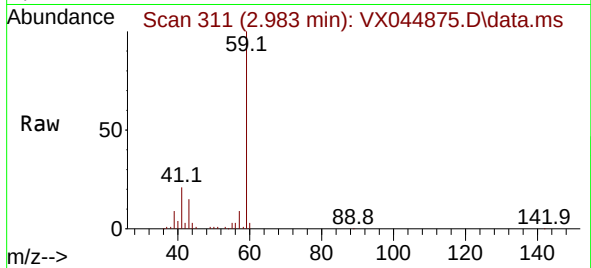




#11
Tert butyl alcohol
Concen: 251.791 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

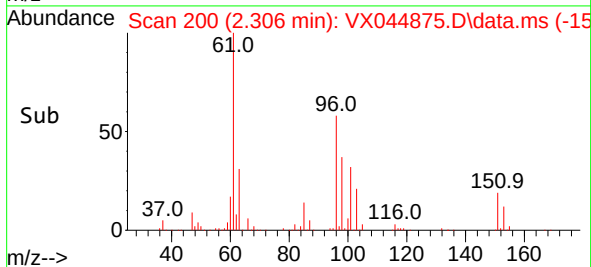
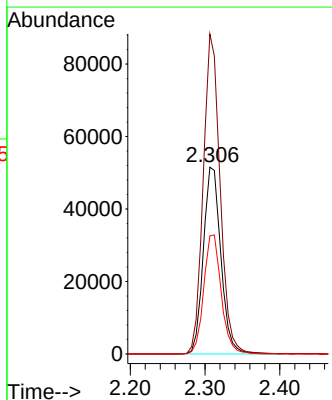
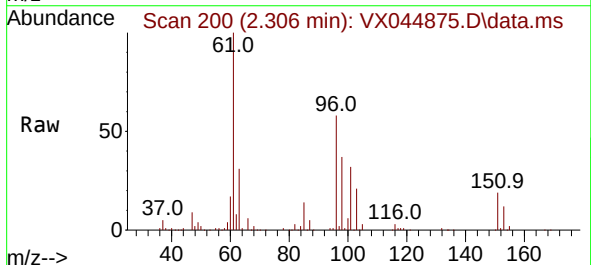
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

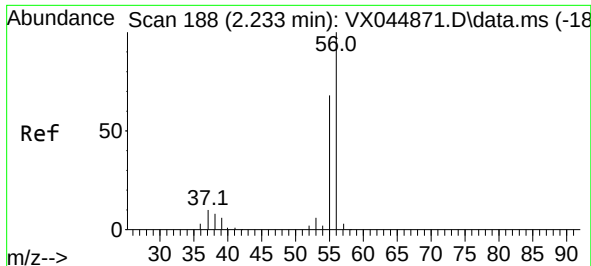
Tgt Ion: 59 Resp: 92949
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 47.935 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 83987
Ion Ratio Lower Upper
96 100
61 171.4 130.2 195.4
98 63.3 52.2 78.4

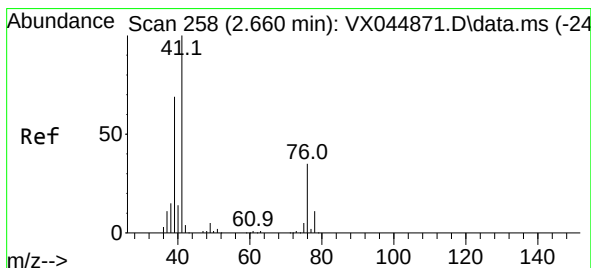
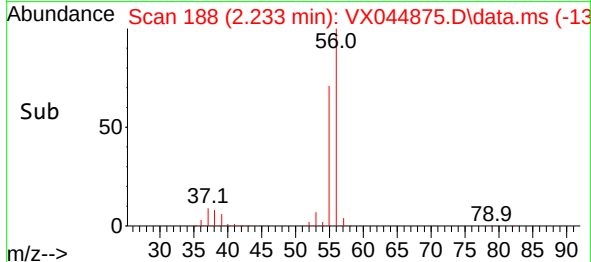
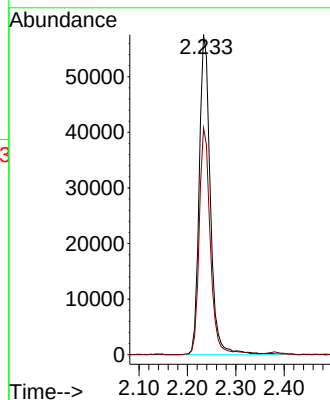
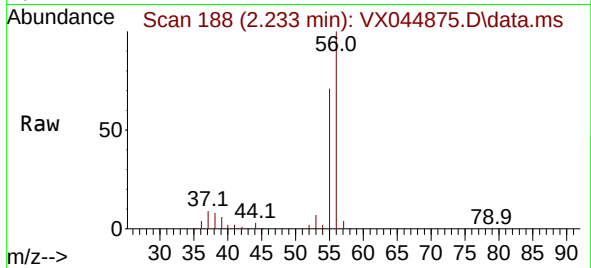




#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

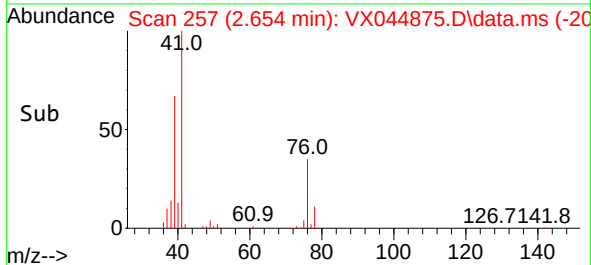
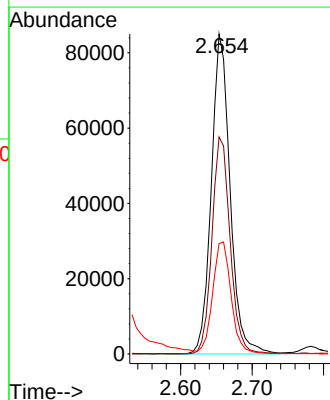
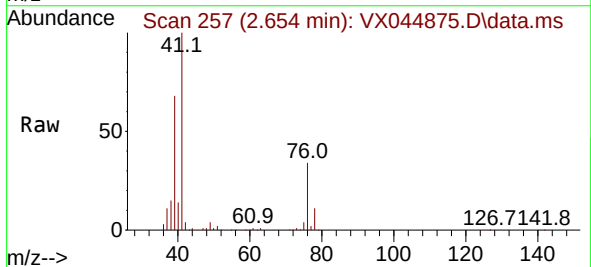
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

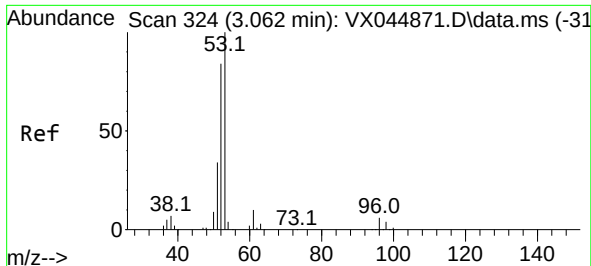
Tgt Ion: 56 Resp: 91744
Ion Ratio Lower Upper
56 100
55 71.0 55.7 83.5



#14
Allyl chloride
Concen: 48.976 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 155084
Ion Ratio Lower Upper
41 100
39 65.4 51.4 77.2
76 34.2 27.0 40.4

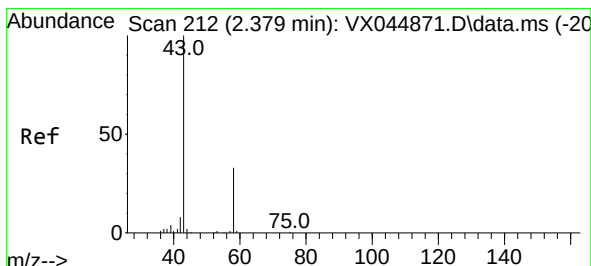
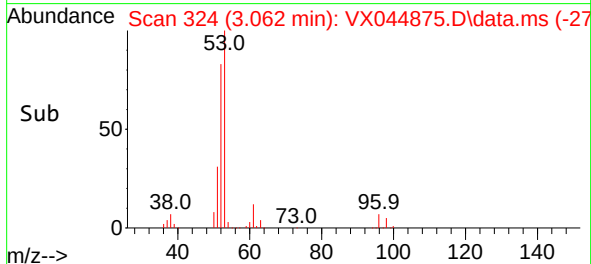
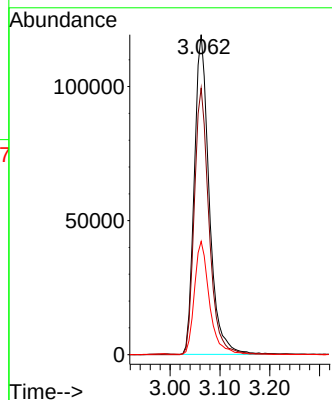
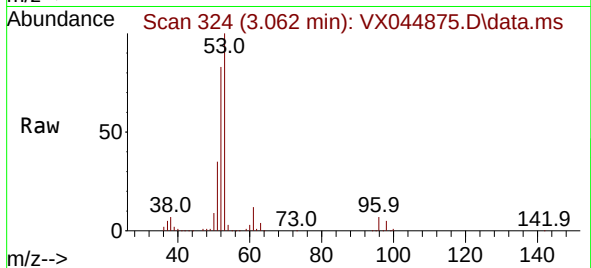




#15
Acrylonitrile
Concen: 251.537 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

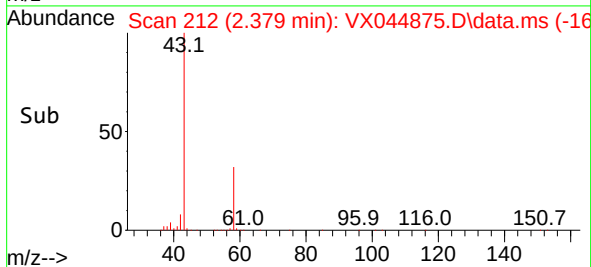
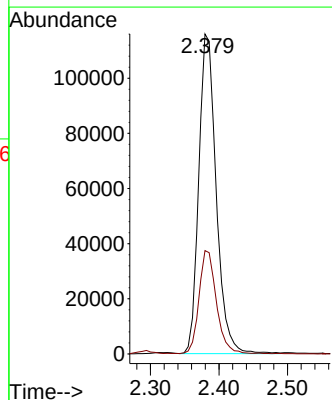
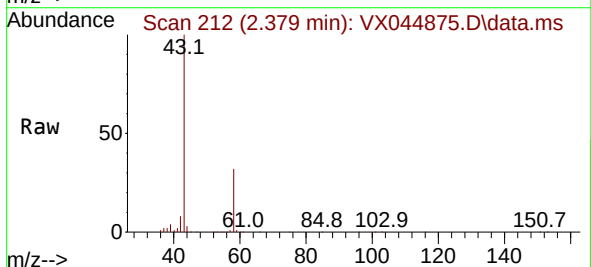
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

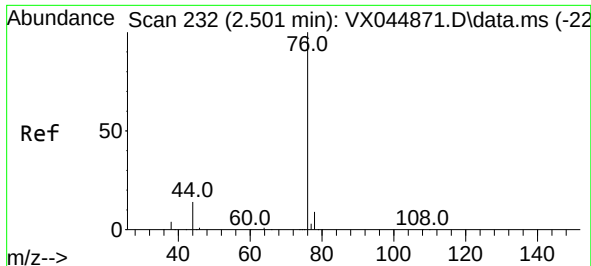
Tgt Ion: 53 Resp: 247921
Ion Ratio Lower Upper
53 100
52 82.3 65.0 97.6
51 35.7 28.0 42.0



#16
Acetone
Concen: 257.198 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 205743
Ion Ratio Lower Upper
43 100
58 32.2 26.5 39.7

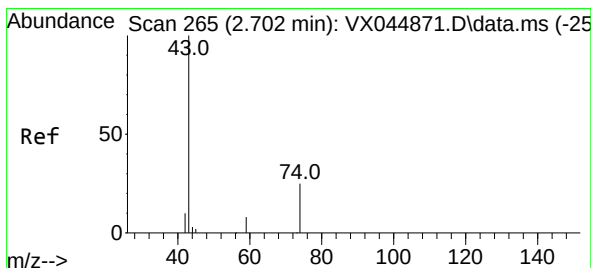
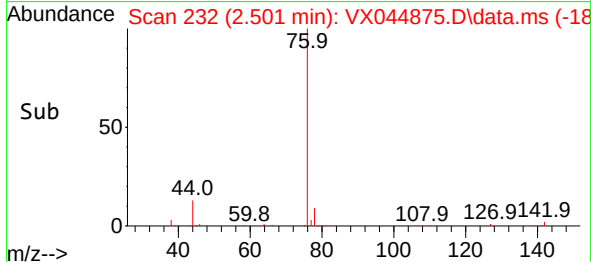
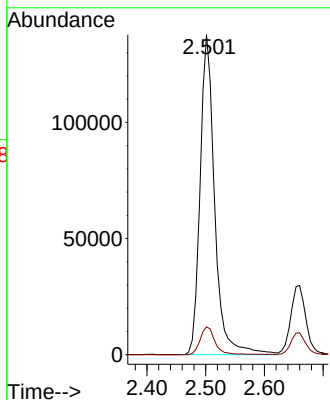
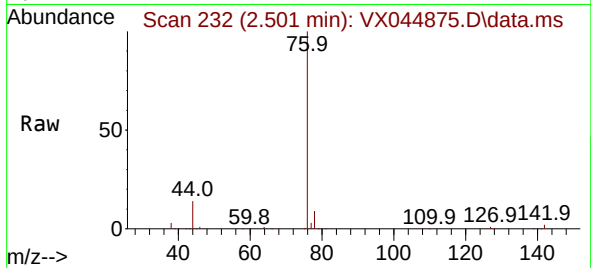




#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

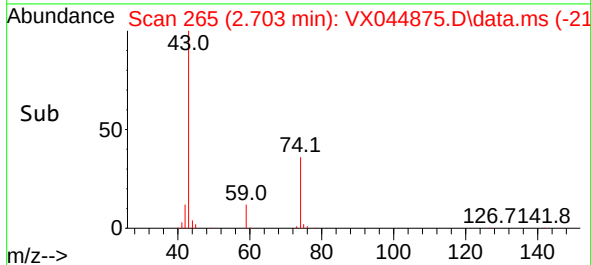
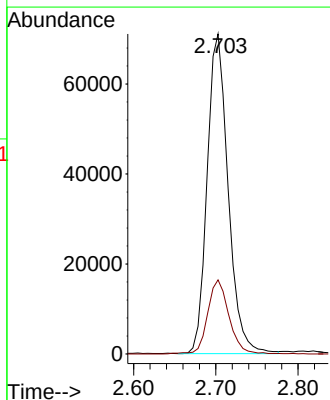
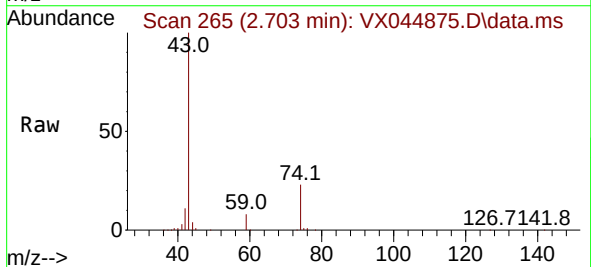
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

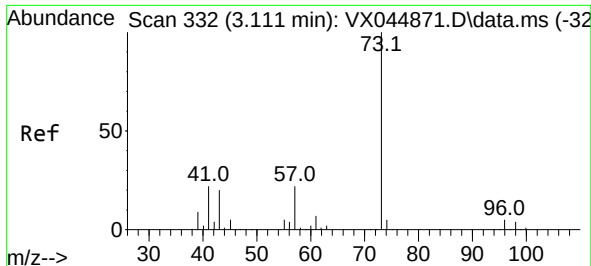
Tgt Ion: 76 Resp: 237694
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 49.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 126015
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3

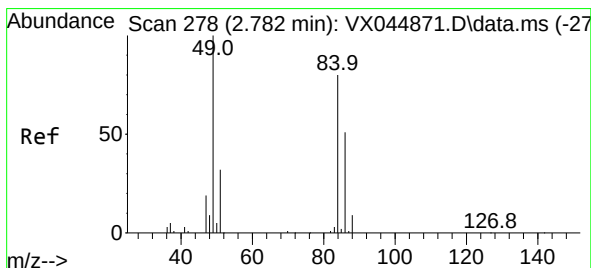
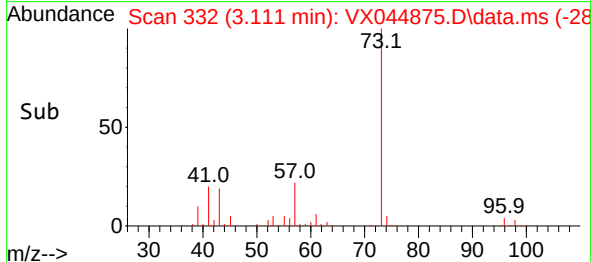
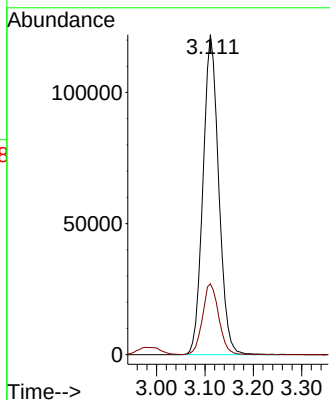
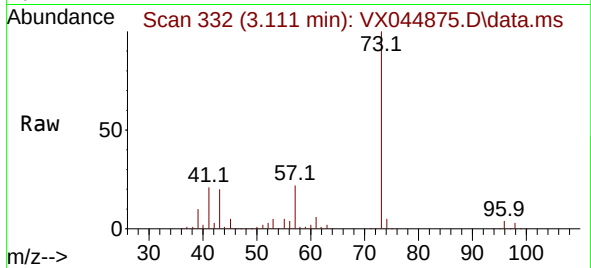




#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

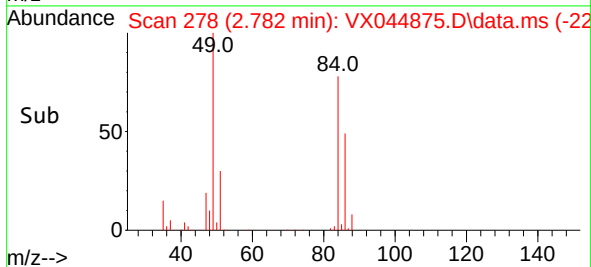
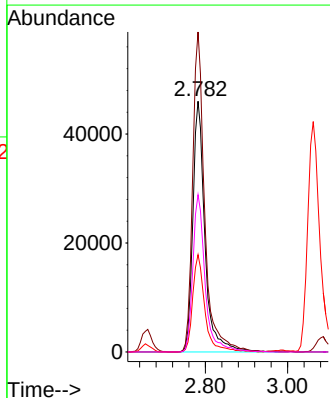
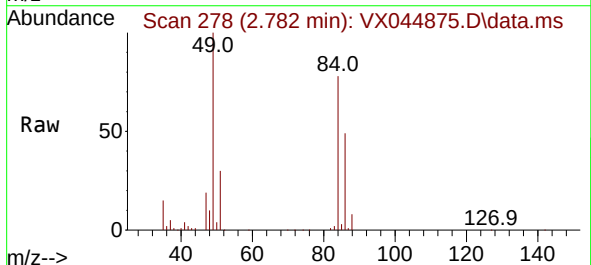
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

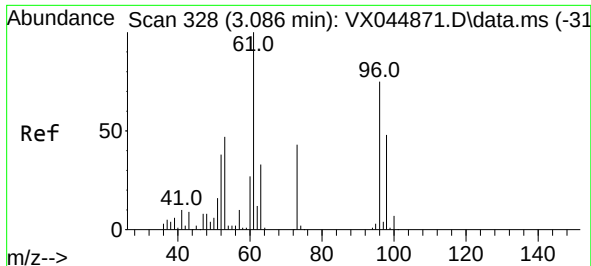
Tgt Ion: 73 Resp: 275685
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 84 Resp: 94006
Ion Ratio Lower Upper
84 100
49 127.6 100.1 150.1
51 38.8 31.7 47.5
86 62.7 50.8 76.2

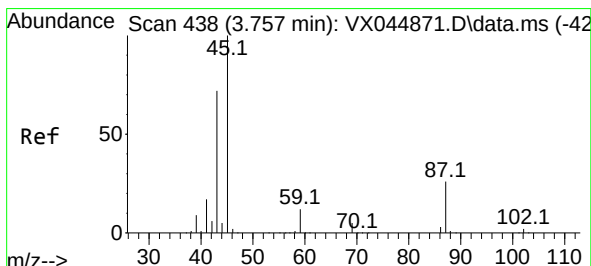
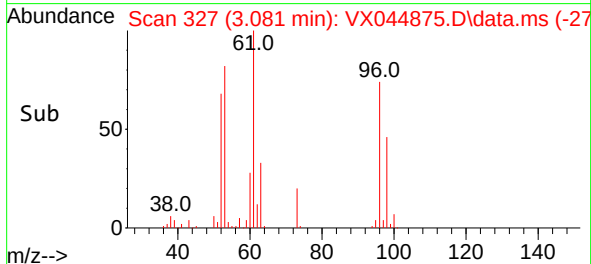
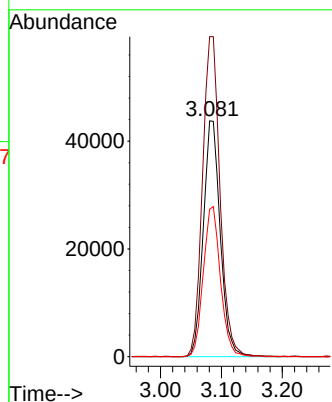
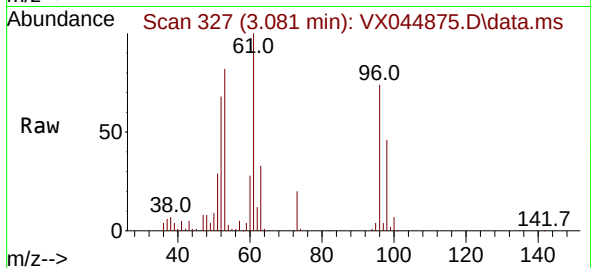




#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

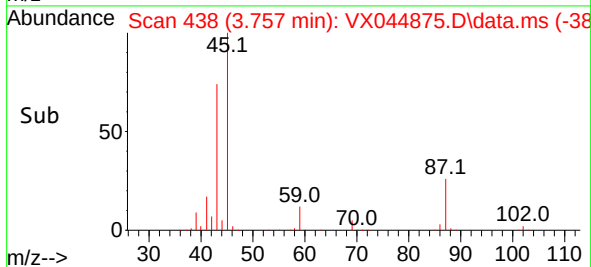
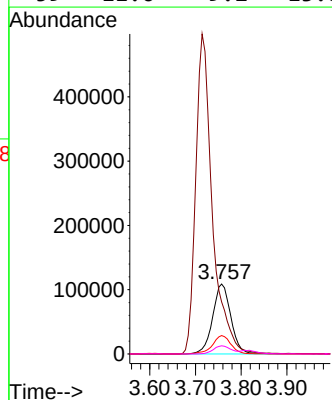
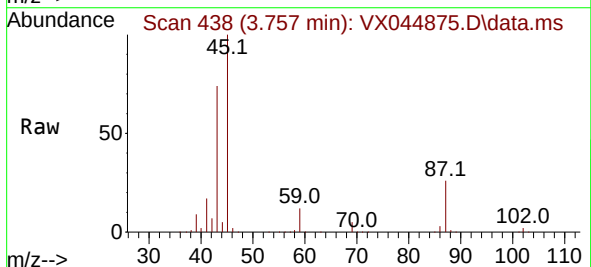
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

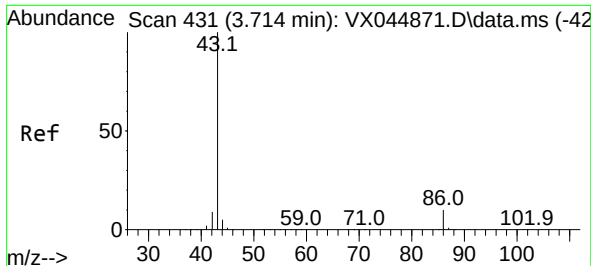
Tgt Ion: 96 Resp: 84720
Ion Ratio Lower Upper
96 100
61 135.7 106.0 159.0
98 62.5 50.6 76.0



#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357
Ion Ratio Lower Upper
45 100
43 74.3 58.0 87.0
87 26.4 20.7 31.1
59 11.6 9.2 13.8

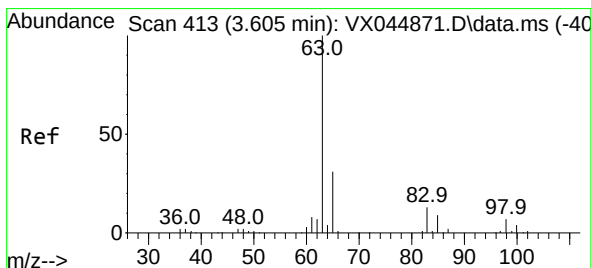
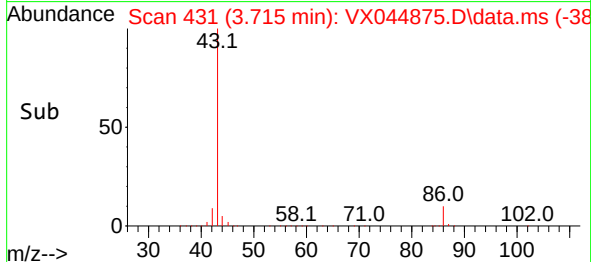
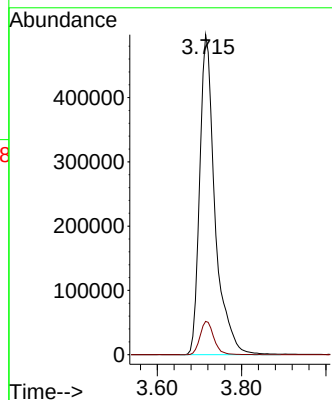
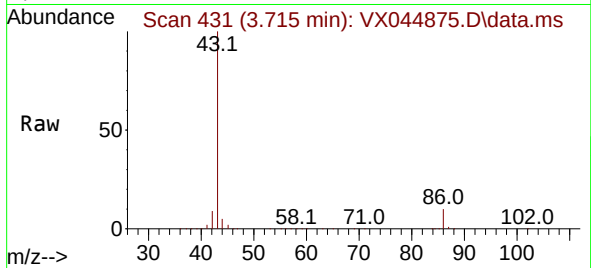




#23
 Vinyl Acetate
 Concen: 257.465 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

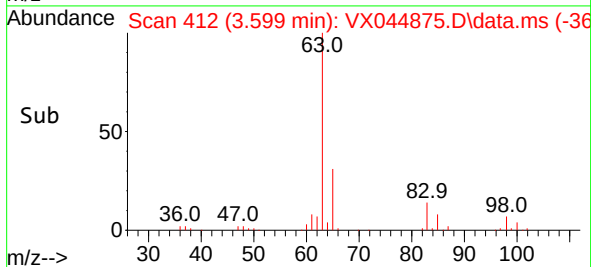
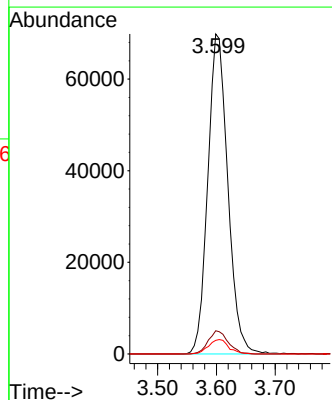
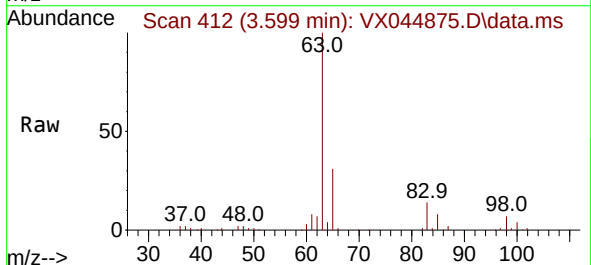
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

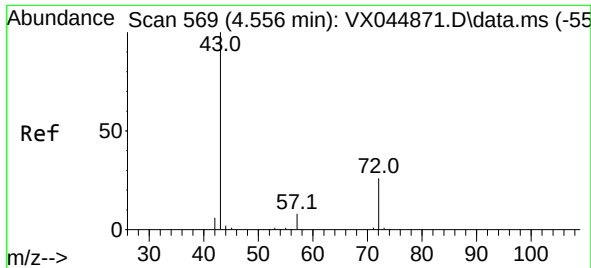
Tgt Ion: 43 Resp: 1257431
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 49.329 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 165351
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.9
 100 4.2 2.1 6.5

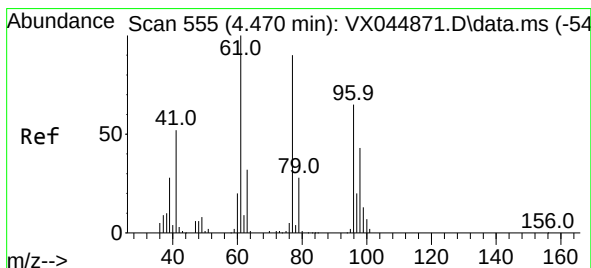
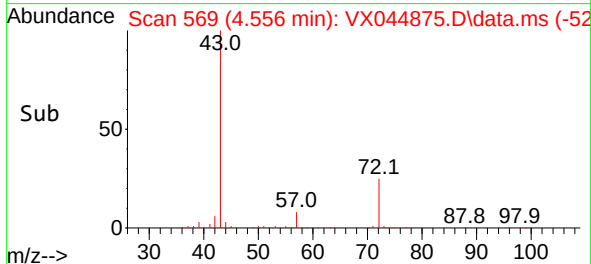
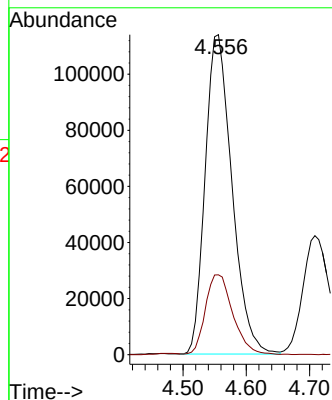
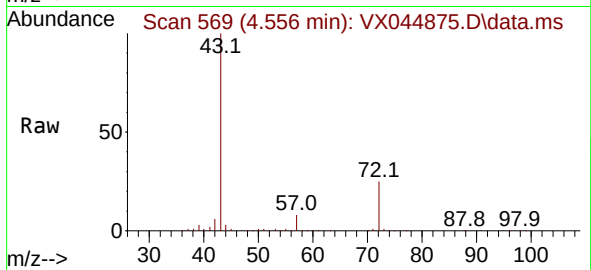




#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

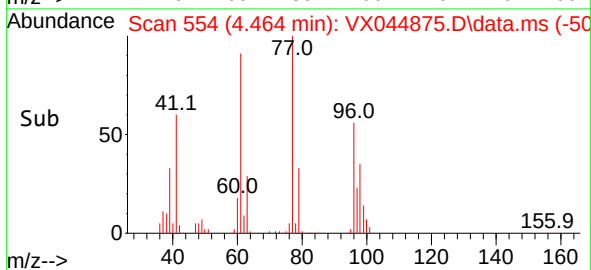
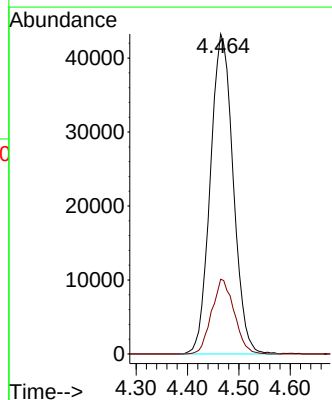
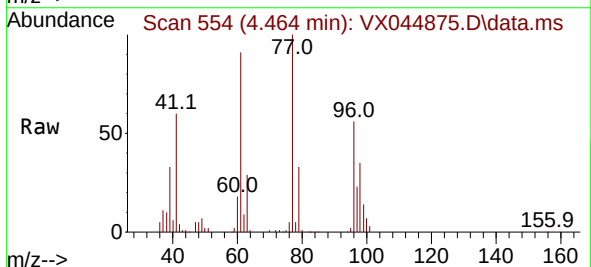
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

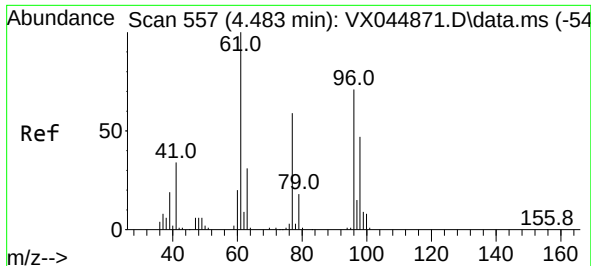
Tgt Ion: 43 Resp: 335358
Ion Ratio Lower Upper
43 100
72 24.9 21.2 31.8



#26
2,2-Dichloropropane
Concen: 50.285 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 77 Resp: 133670
Ion Ratio Lower Upper
77 100
97 23.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.493 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

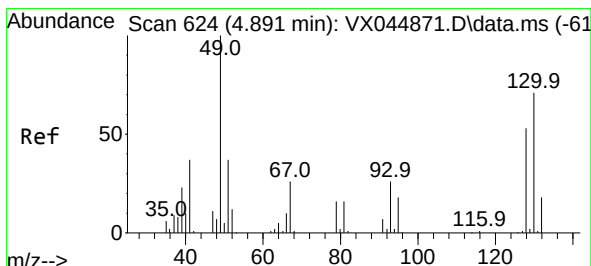
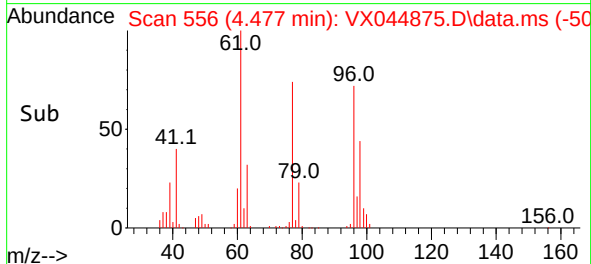
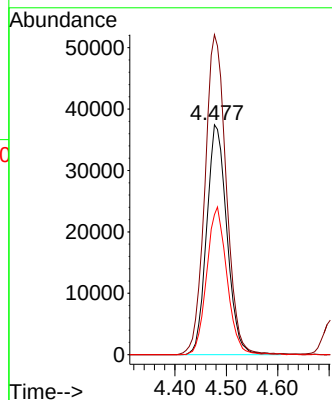
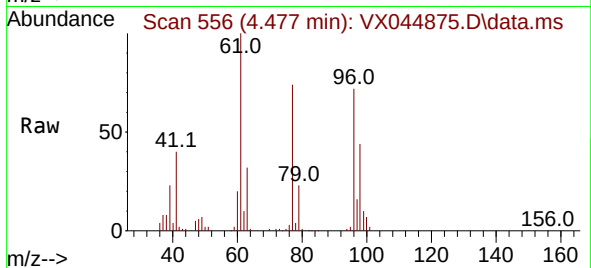
Tgt Ion: 96 Resp: 102518

Ion Ratio Lower Upper

96 100

61 146.5 0.0 294.0

98 63.9 0.0 131.2



#28

Bromochloromethane

Concen: 45.250 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

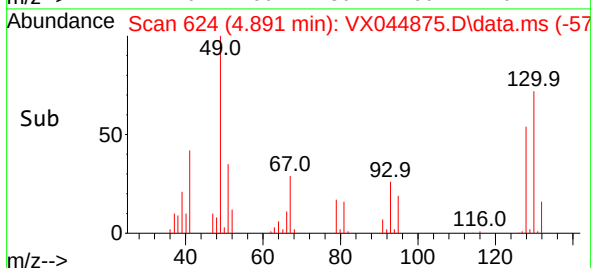
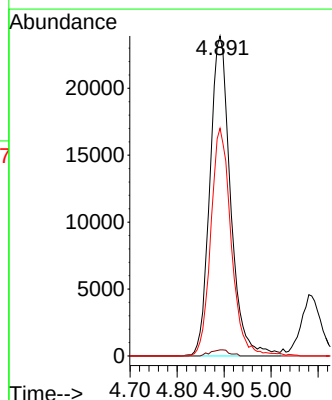
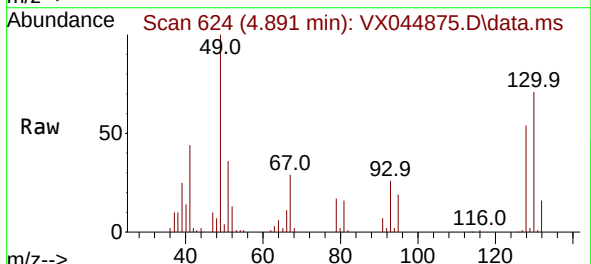
Tgt Ion: 49 Resp: 72893

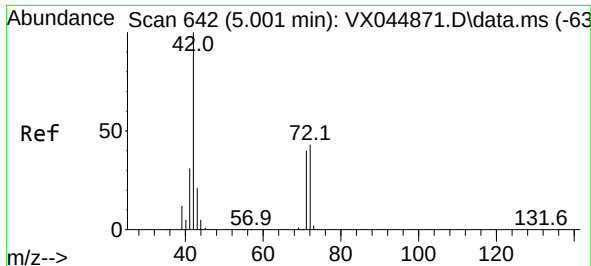
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 70.3 56.7 85.1





#29

Tetrahydrofuran

Concen: 253.318 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

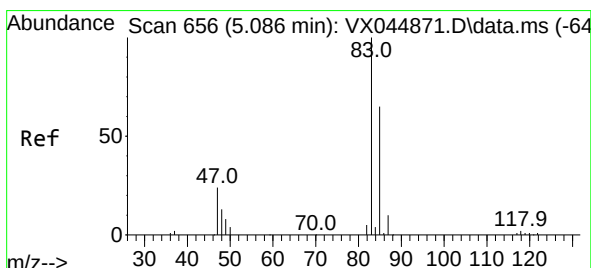
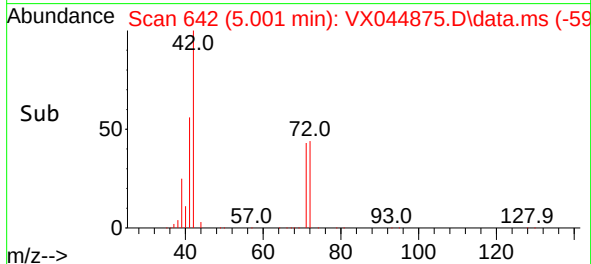
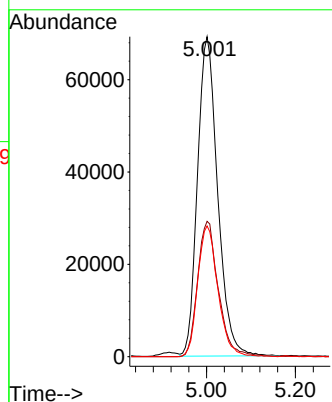
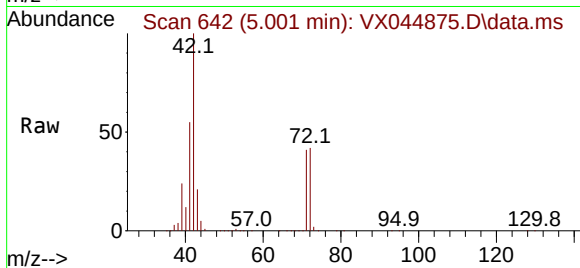
Tgt Ion: 42 Resp: 218496

Ion Ratio Lower Upper

42 100

72 43.6 35.0 52.4

71 41.1 32.6 48.8



#30

Chloroform

Concen: 48.393 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044875.D

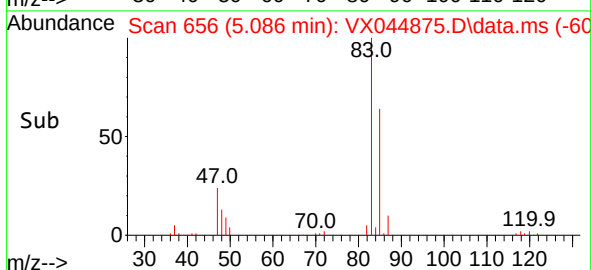
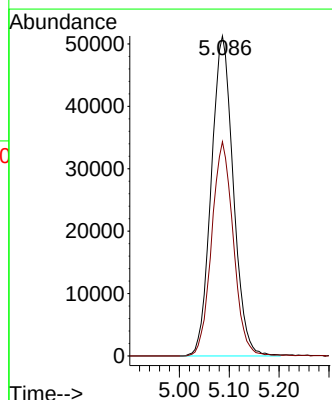
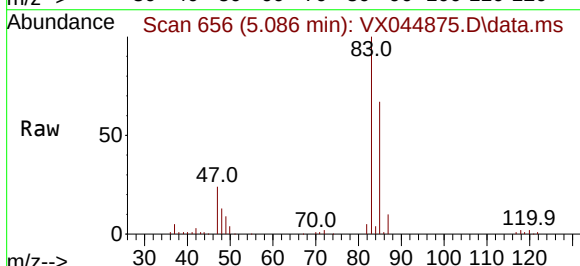
Acq: 10 Feb 2025 13:15

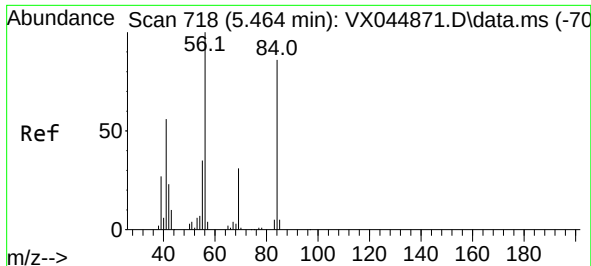
Tgt Ion: 83 Resp: 157312

Ion Ratio Lower Upper

83 100

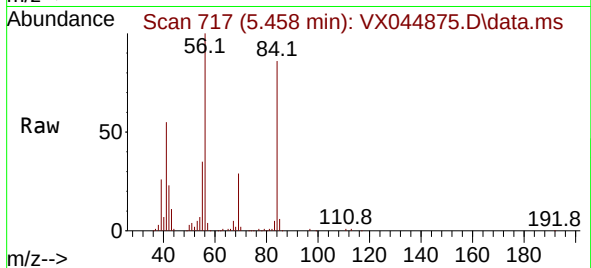
85 66.9 52.1 78.1



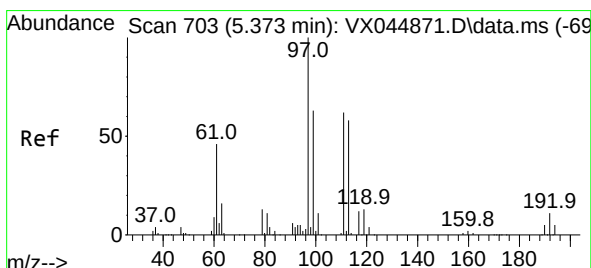
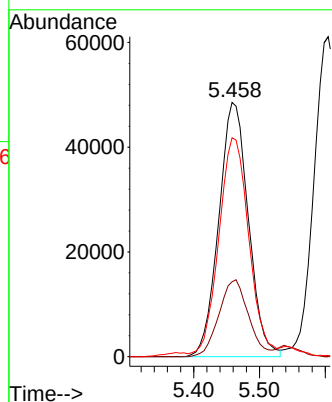
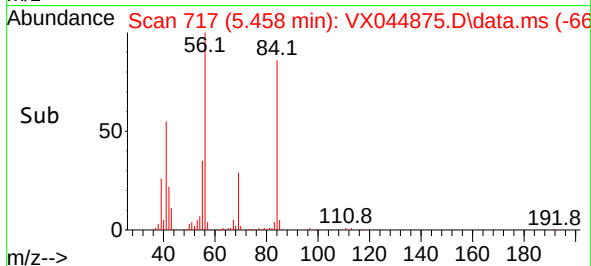


#31
Cyclohexane
Concen: 49.211 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

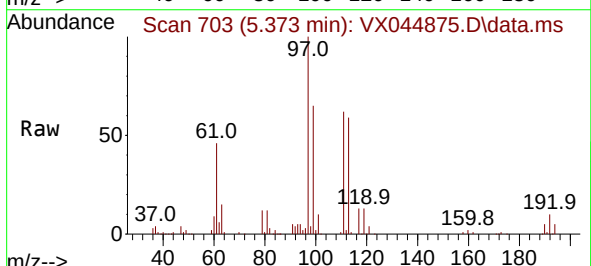
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



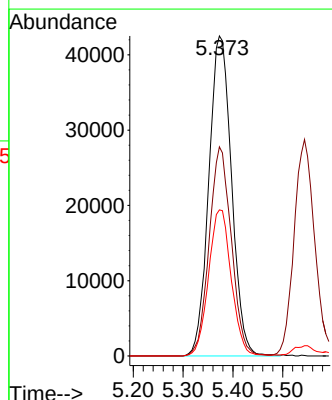
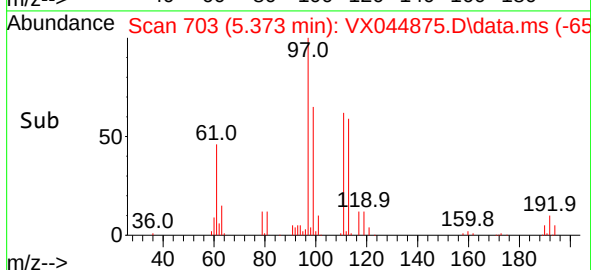
Tgt Ion: 56 Resp: 152073
Ion Ratio Lower Upper
56 100
69 29.4 24.4 36.6
84 84.6 69.0 103.6

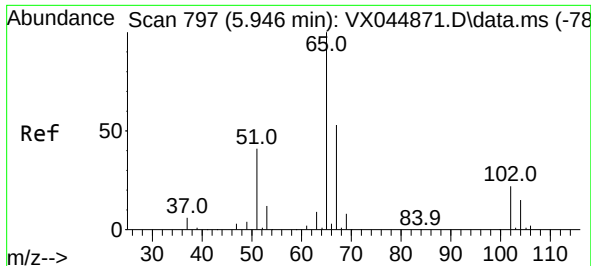


#32
1,1,1-Trichloroethane
Concen: 48.825 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15



Tgt Ion: 97 Resp: 134626
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.061 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

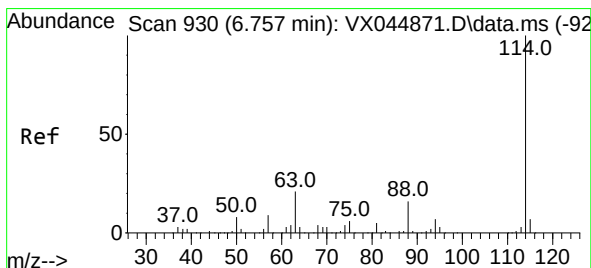
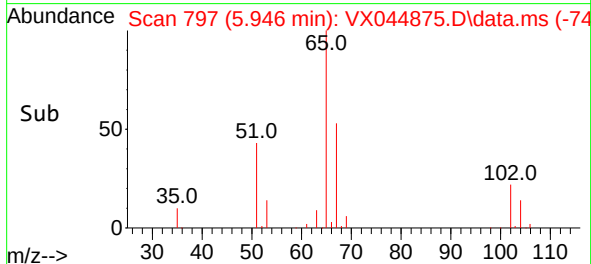
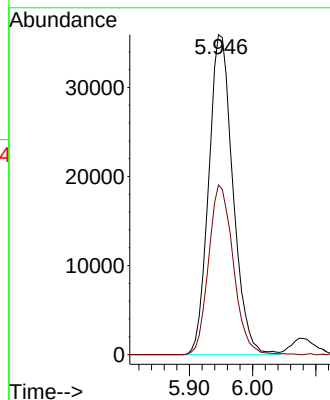
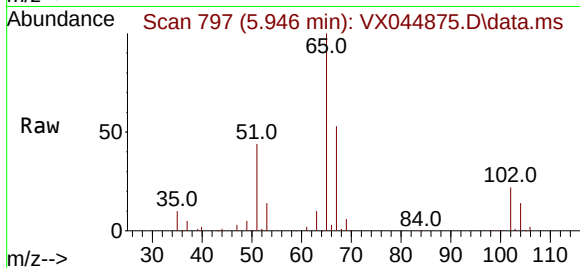
ICVVX021025

Tgt Ion: 65 Resp: 95635

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

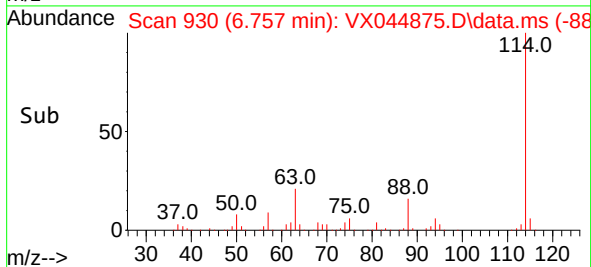
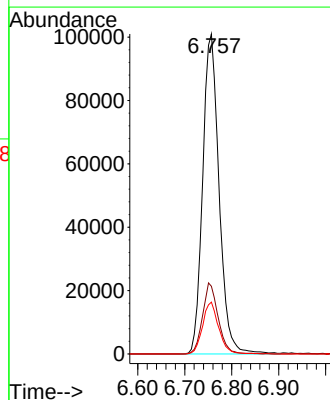
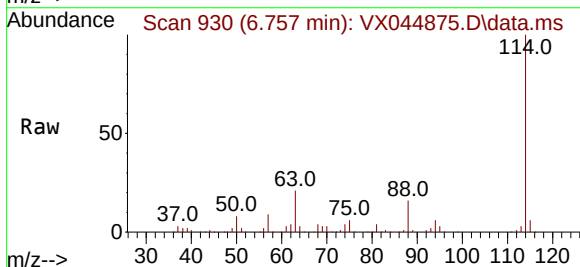
Tgt Ion: 114 Resp: 245098

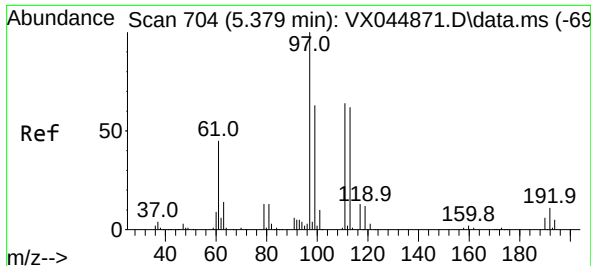
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.2 0.0 31.4

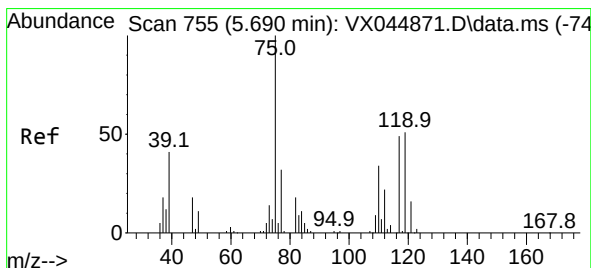
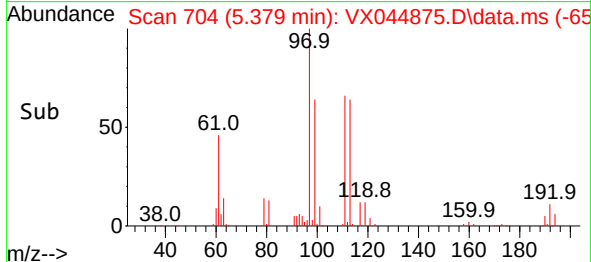
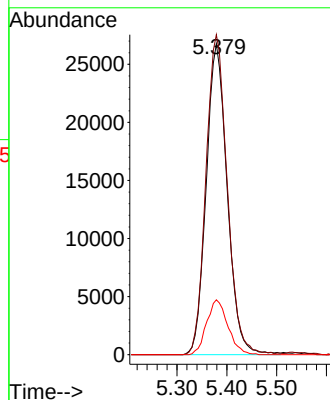
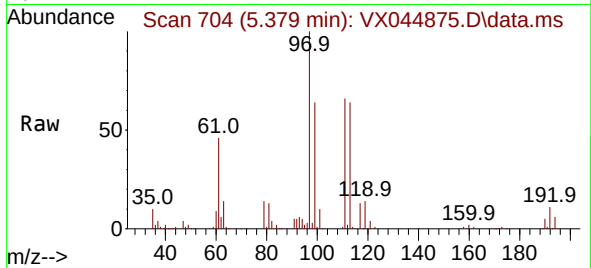




#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

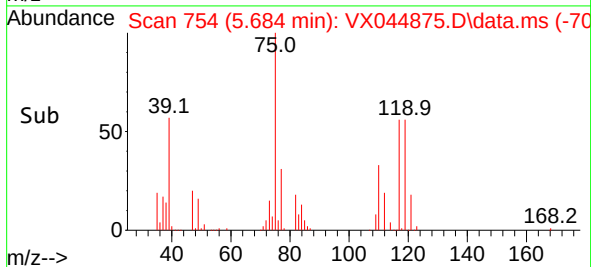
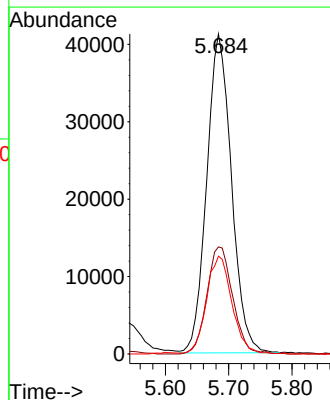
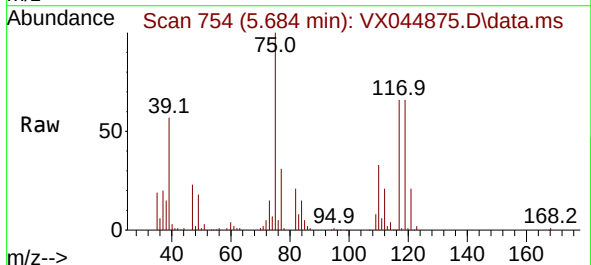
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

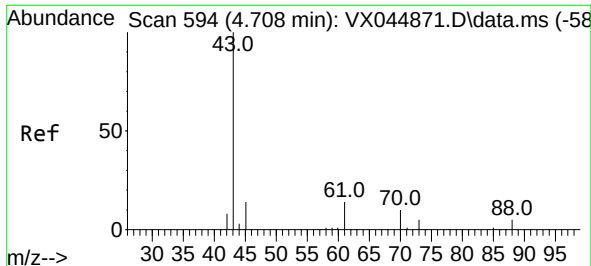
Tgt Ion:113 Resp: 78360
Ion Ratio Lower Upper
113 100
111 104.4 83.5 125.3
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 111968
Ion Ratio Lower Upper
75 100
110 35.0 17.2 51.6
77 31.6 24.6 37.0

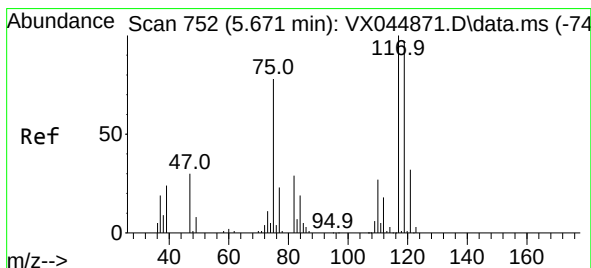
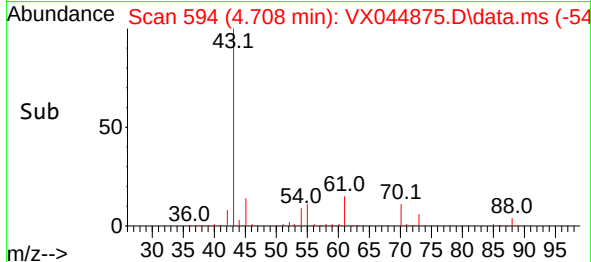
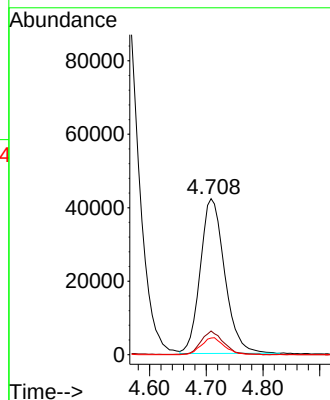
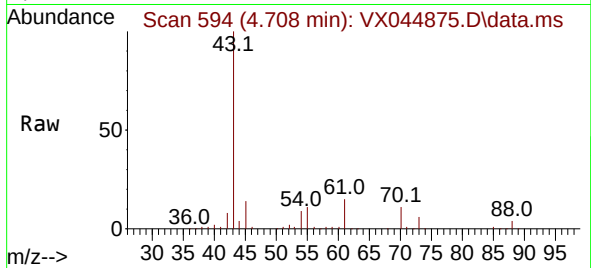




#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

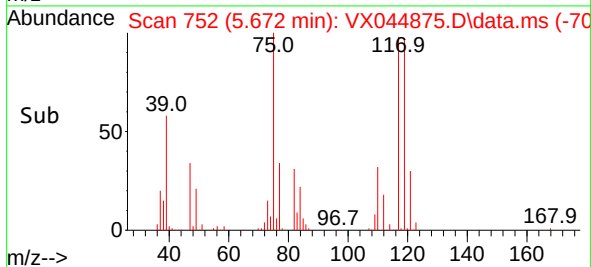
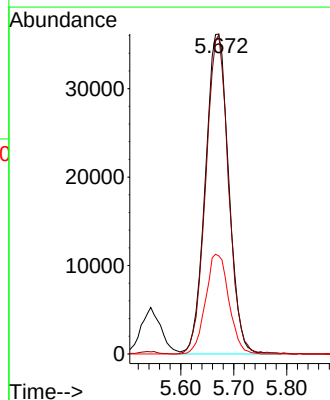
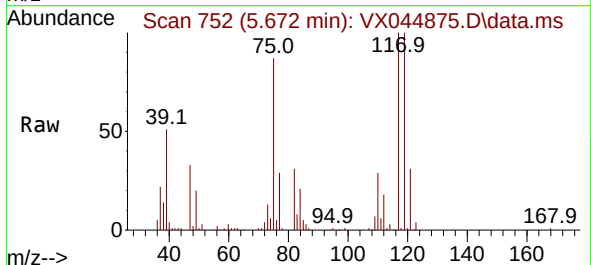
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

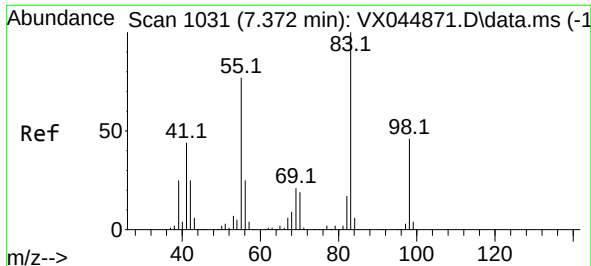
Tgt Ion:	43	Resp:	126071
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2



#38
Carbon Tetrachloride
Concen: 49.083 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:	117	Resp:	110581
Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4

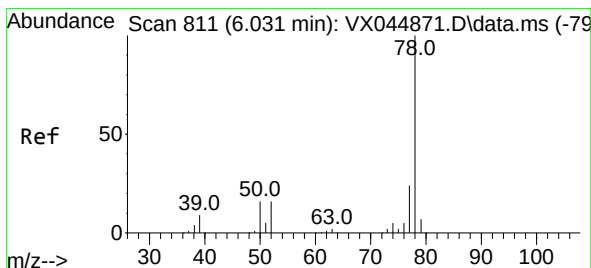
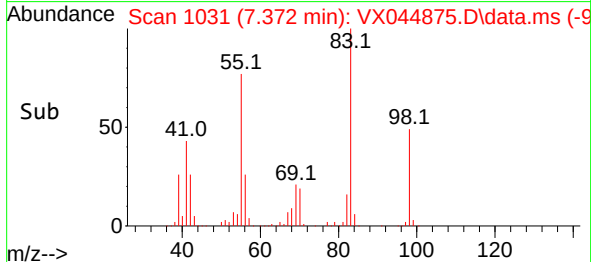
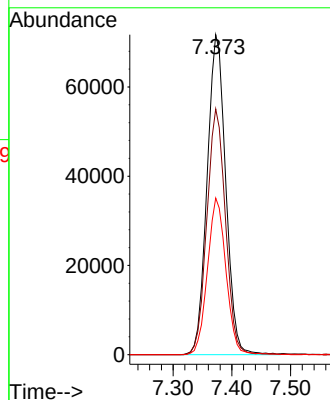
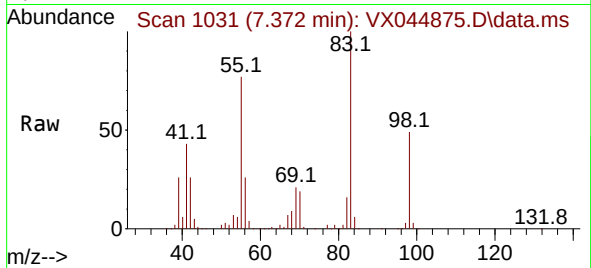




#39
Methylcyclohexane
Concen: 53.254 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

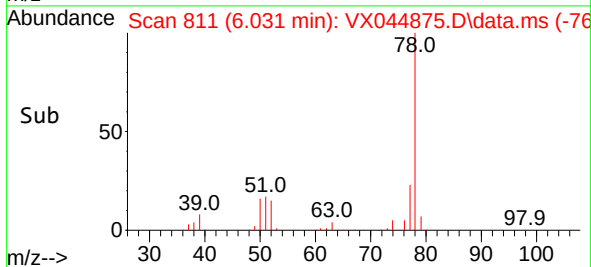
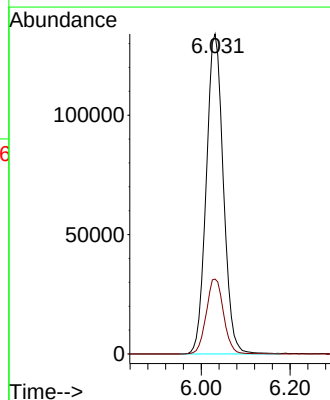
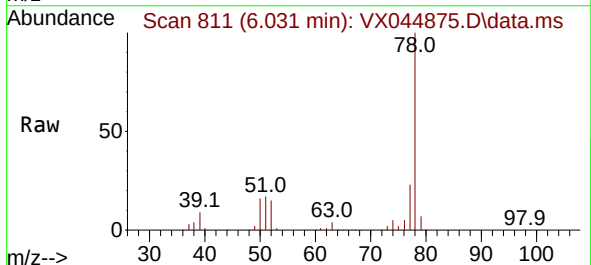
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

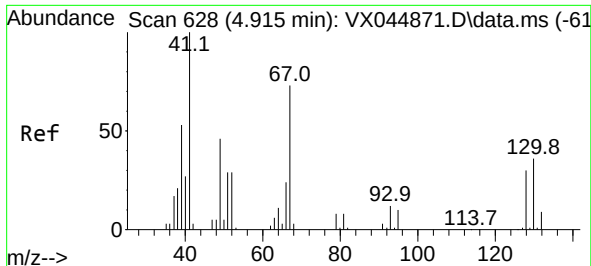
Tgt Ion: 83 Resp: 158289
Ion Ratio Lower Upper
83 100
55 76.8 61.3 91.9
98 49.0 37.0 55.6



#40
Benzene
Concen: 49.919 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 78 Resp: 358365
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6



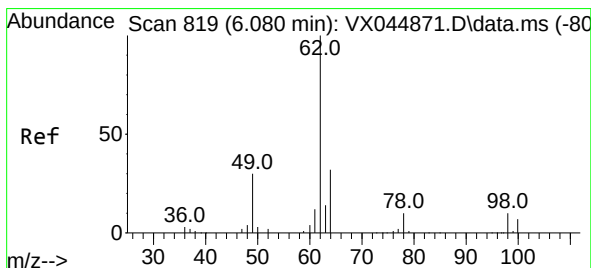
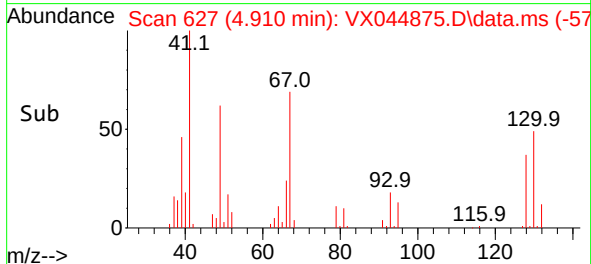
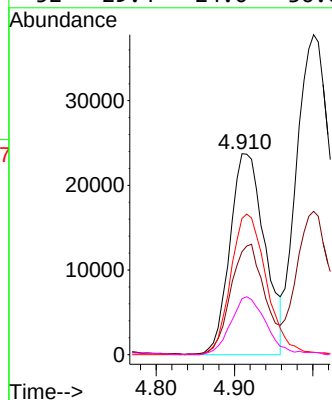
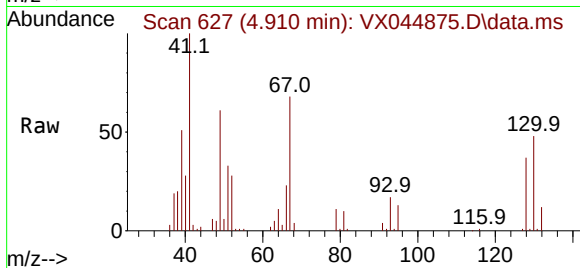


#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 41 Resp: 73559

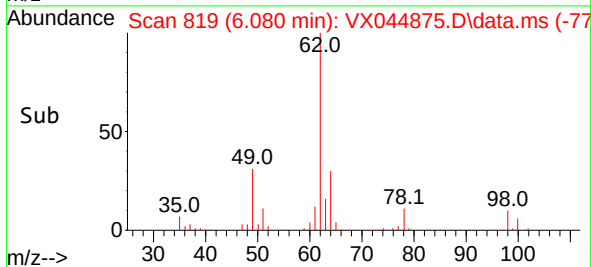
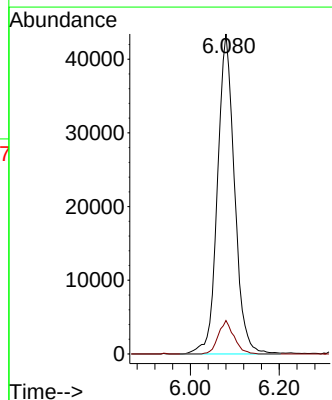
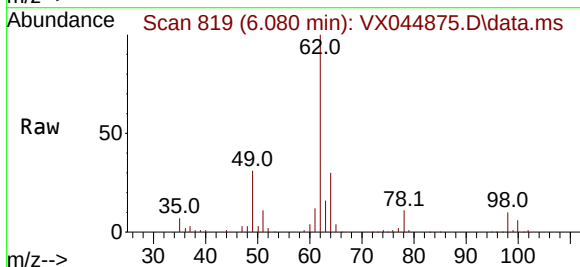
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.1	64.7
67	71.9	57.0	85.6
52	29.4	24.0	36.0

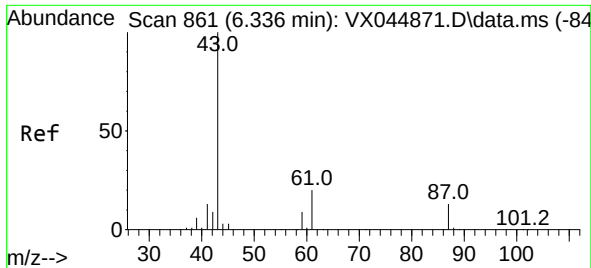


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

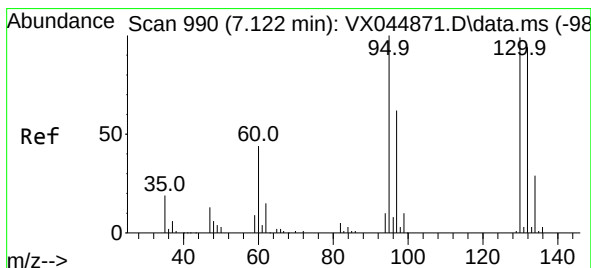
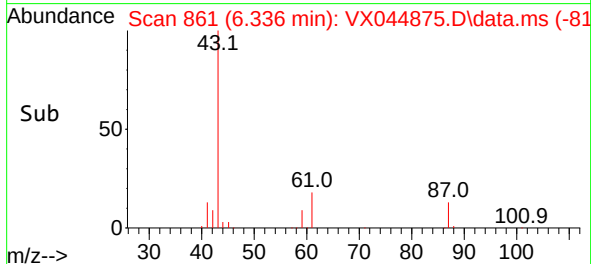
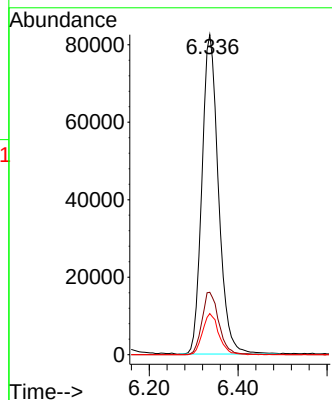
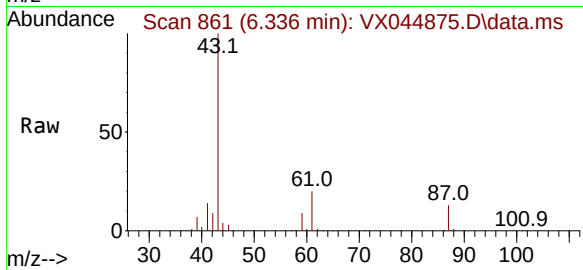




#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

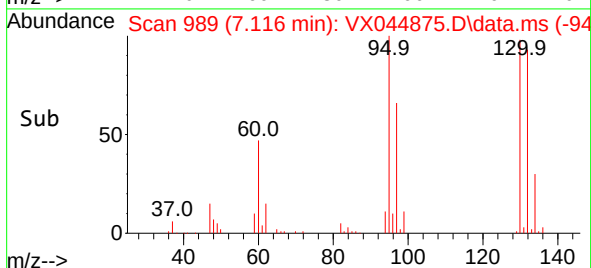
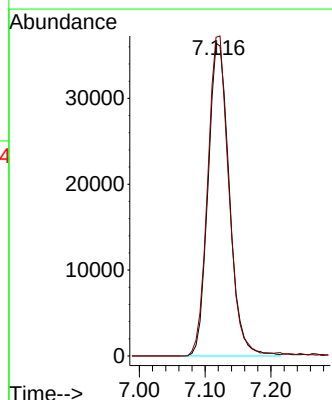
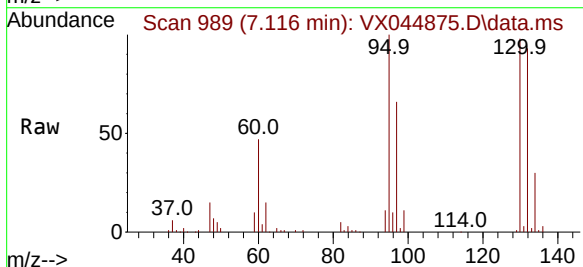
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

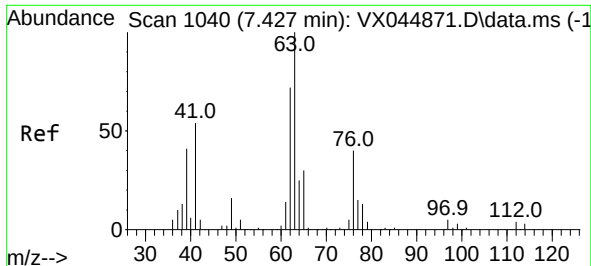
Tgt Ion: 43 Resp: 213901
Ion Ratio Lower Upper
43 100
61 19.9 15.8 23.8
87 12.6 10.0 15.0



#44
Trichloroethene
Concen: 49.917 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 130 Resp: 81911
Ion Ratio Lower Upper
130 100
95 102.0 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.387 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

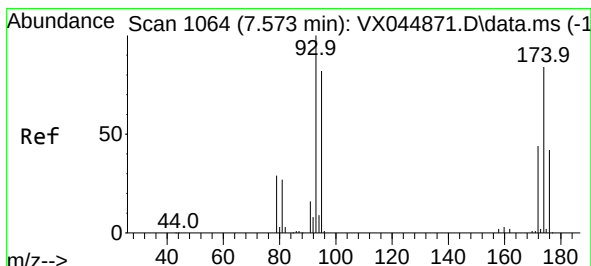
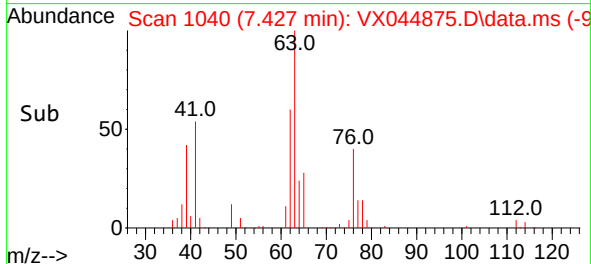
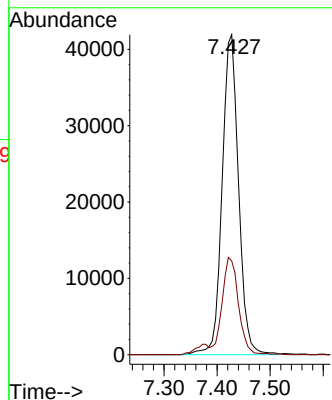
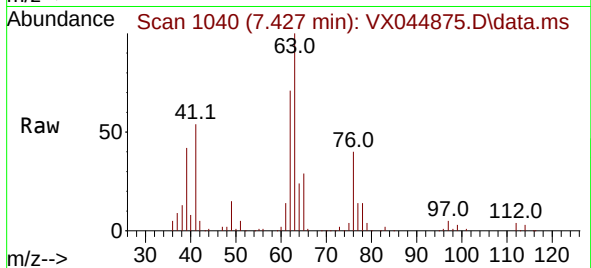
ICVVX021025

Tgt Ion: 63 Resp: 89992

Ion Ratio Lower Upper

63 100

65 29.3 24.2 36.4



#46

Dibromomethane

Concen: 49.540 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

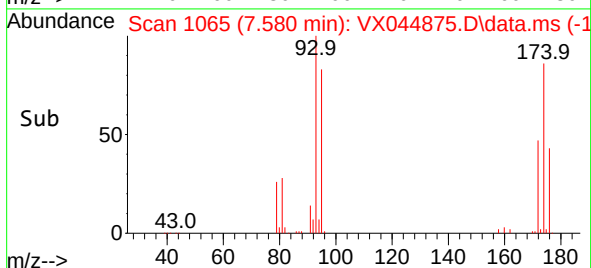
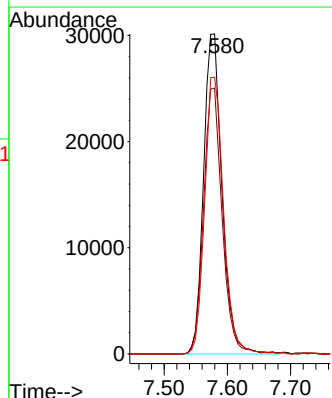
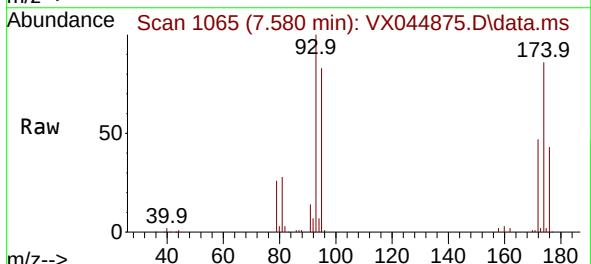
Tgt Ion: 93 Resp: 61360

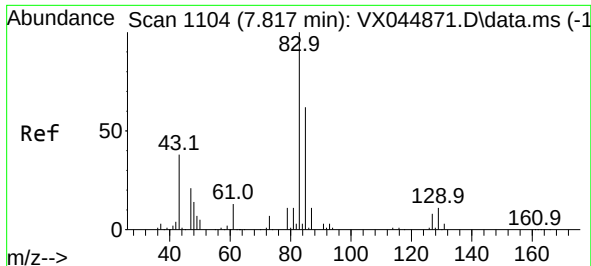
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 88.6 69.9 104.9

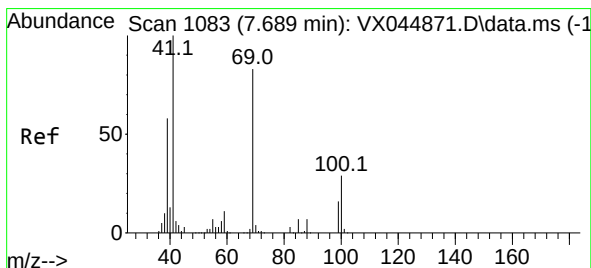
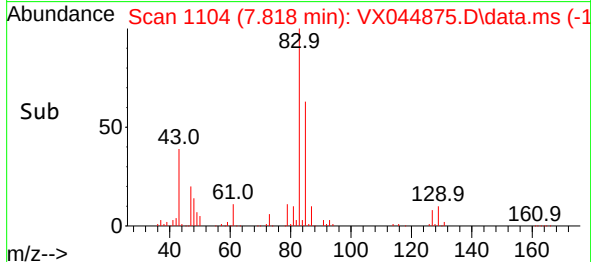
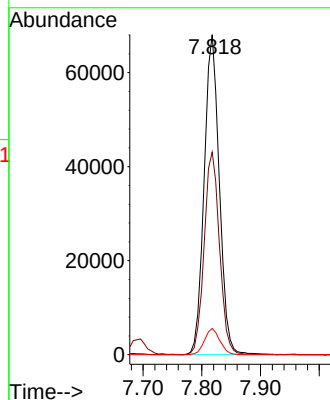
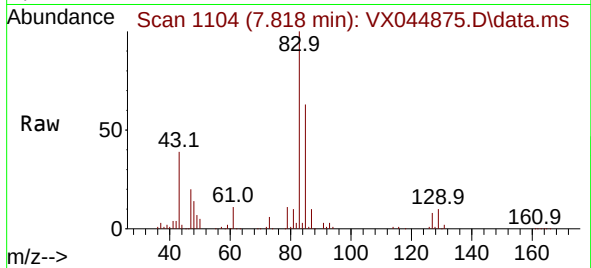




#47
Bromodichloromethane
Concen: 50.980 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

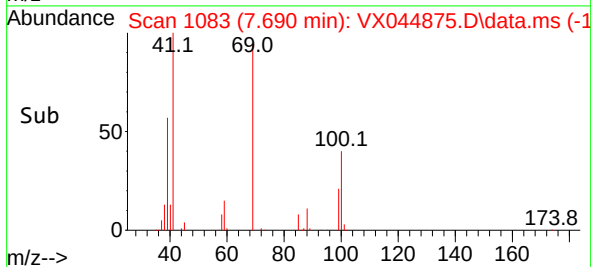
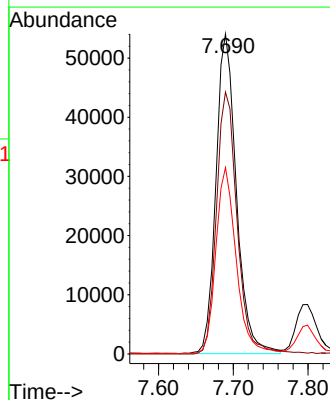
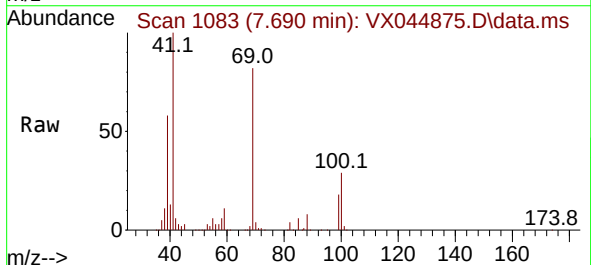
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

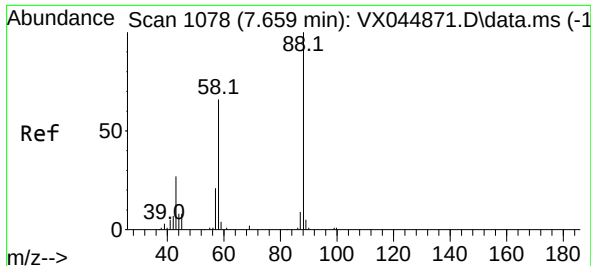
Tgt Ion: 83 Resp: 122265
Ion Ratio Lower Upper
83 100
85 63.3 50.0 75.0
127 8.2 6.4 9.6



#48
Methyl methacrylate
Concen: 52.848 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 102900
Ion Ratio Lower Upper
41 100
69 83.2 65.8 98.8
39 57.8 46.4 69.6



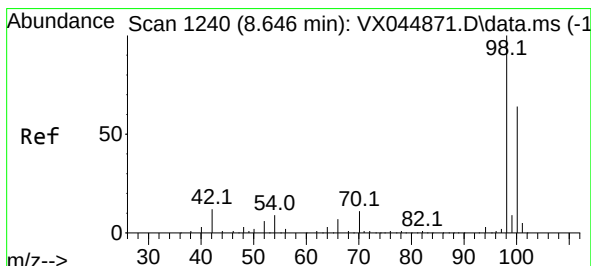
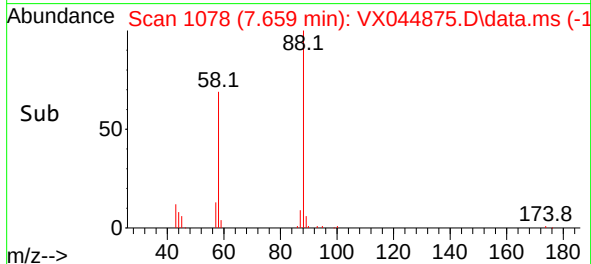
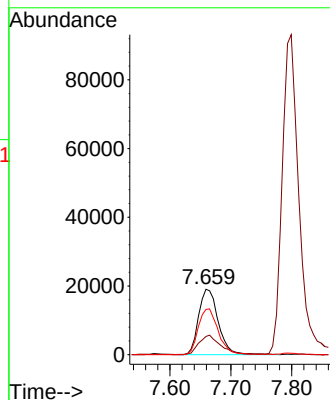
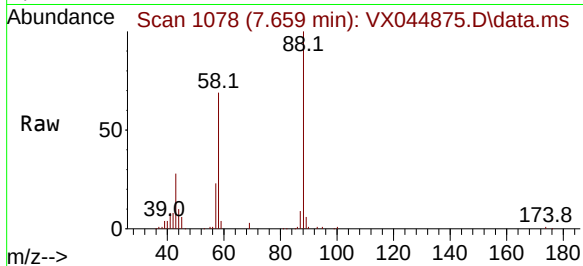


#49
1,4-Dioxane
Concen: 1021.138 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 88 Resp: 42658

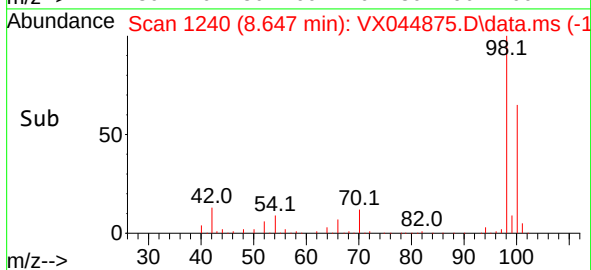
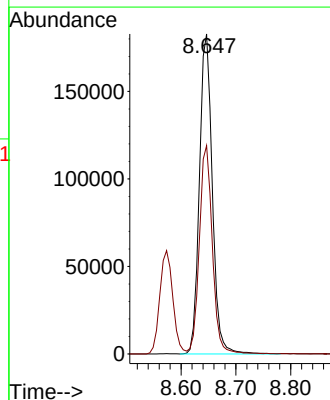
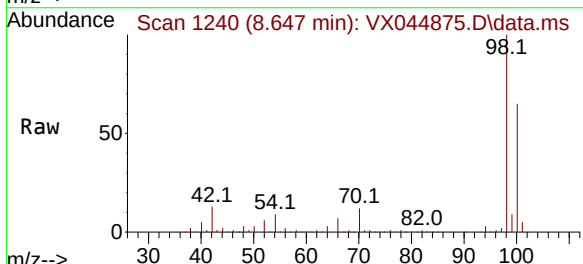
Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.6	39.8
58	71.2	55.9	83.9

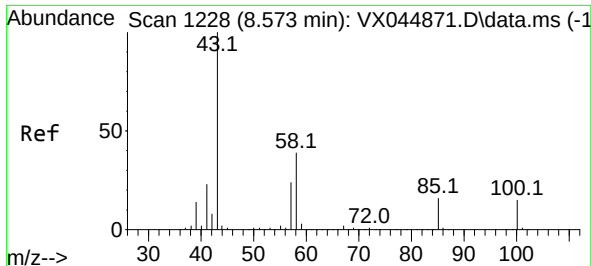


#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 98 Resp: 299178

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

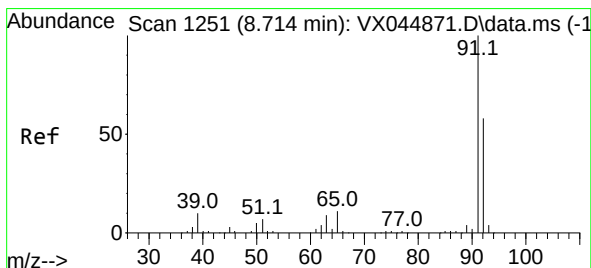
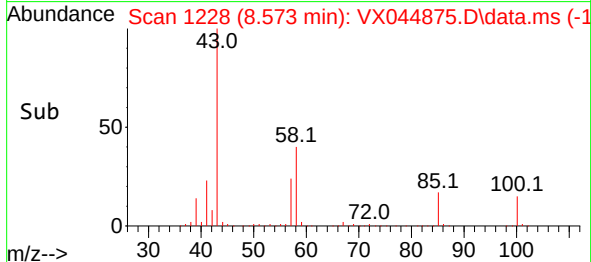
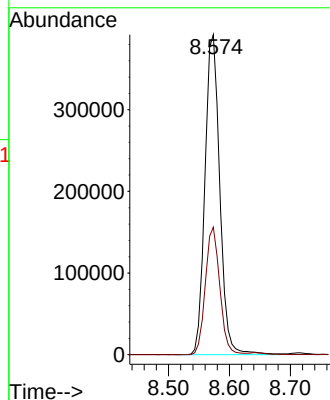
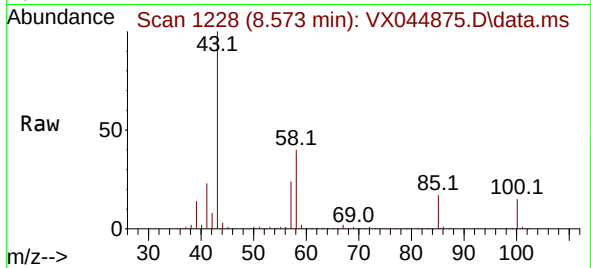




#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

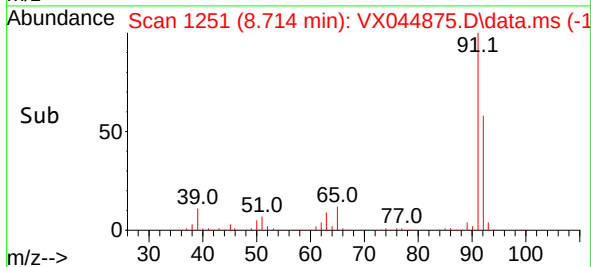
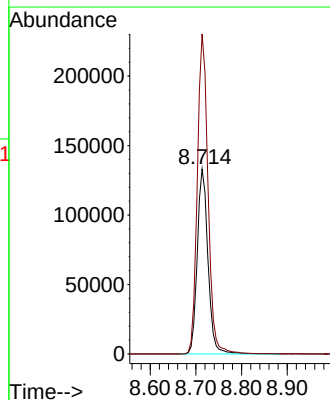
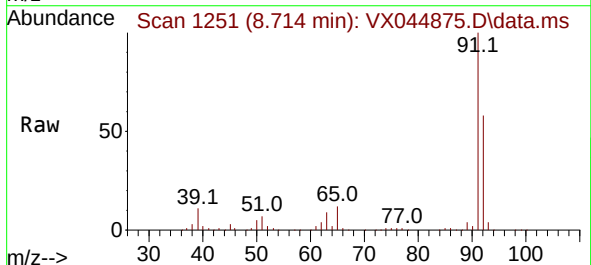
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

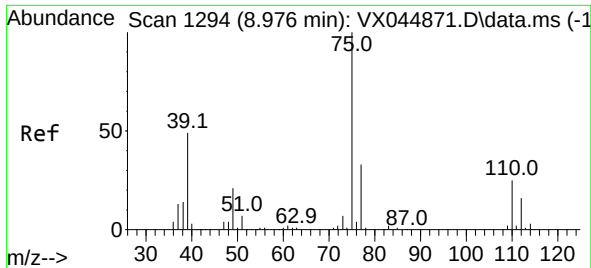
Tgt Ion: 43 Resp: 665564
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2



#52
Toluene
Concen: 50.680 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 92 Resp: 216682
Ion Ratio Lower Upper
92 100
91 173.4 137.4 206.2

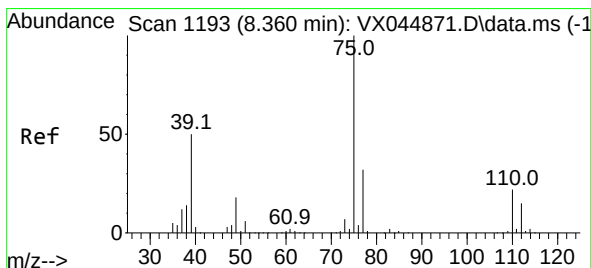
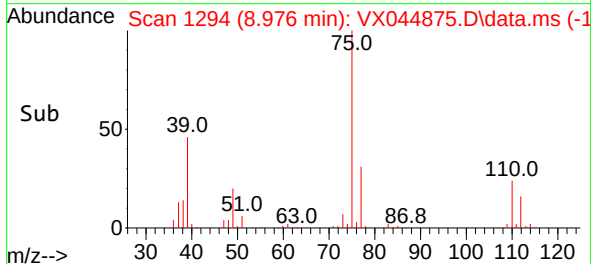
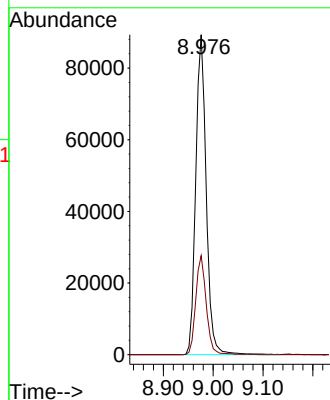
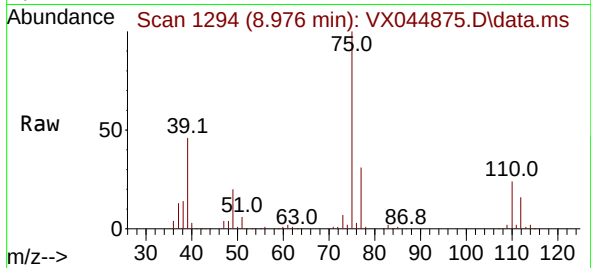




#53
 t-1,3-Dichloropropene
 Concen: 53.731 ug/l
 RT: 8.976 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

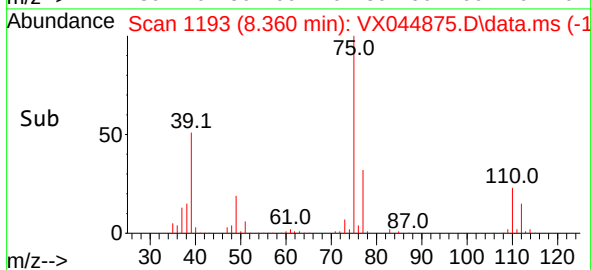
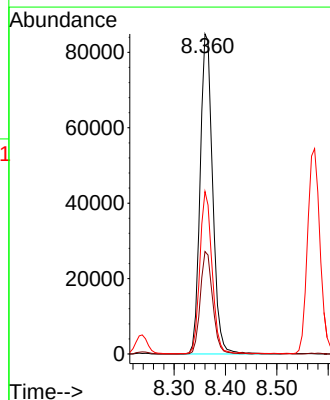
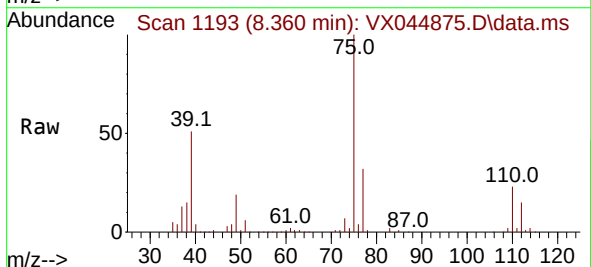
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

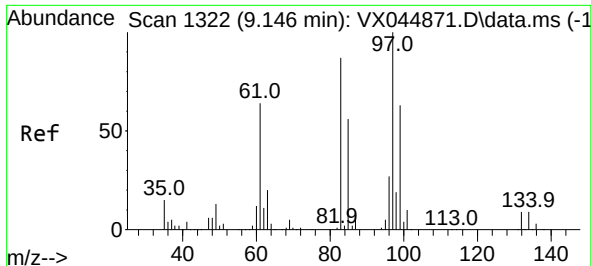
Tgt Ion: 75 Resp: 130405
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.986 ug/l
 RT: 8.360 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143379
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 50.6 40.0 60.0

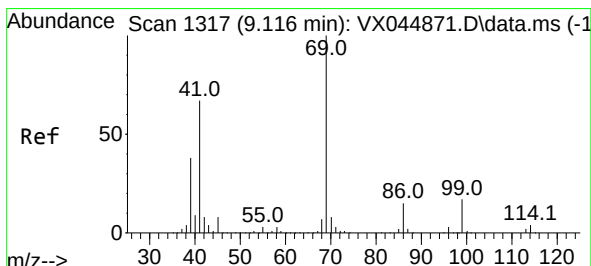
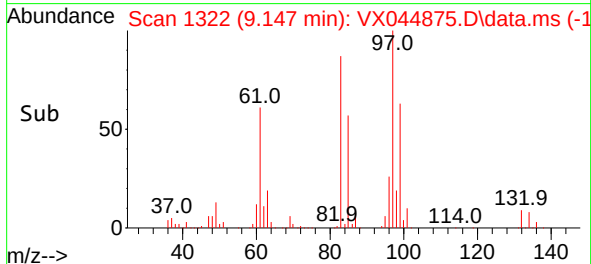
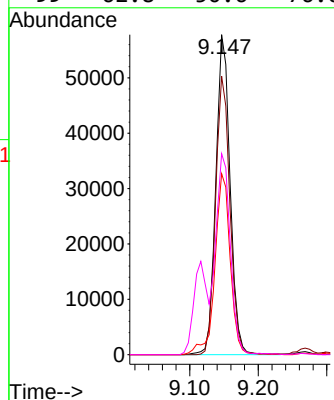
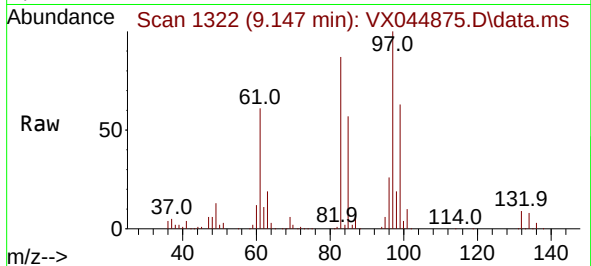




#55
1,1,2-Trichloroethane
Concen: 50.811 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

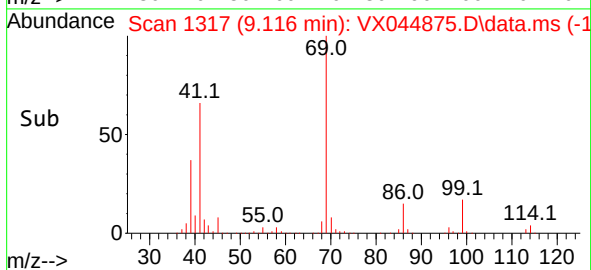
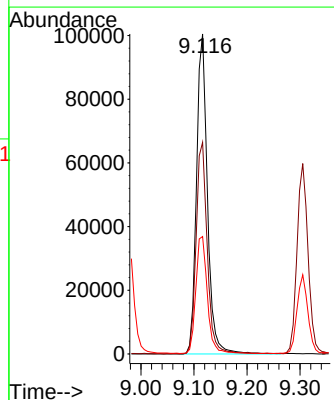
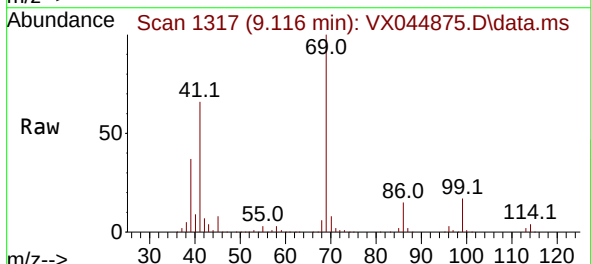
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

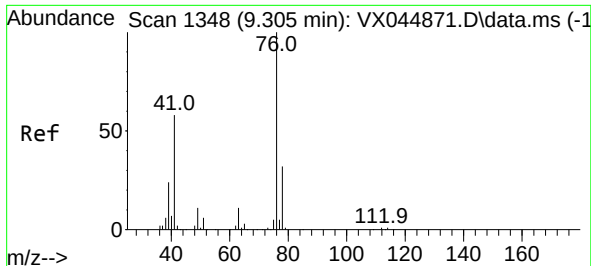
Tgt Ion:	97	Resp:	83510
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.8	104.6
85	56.6	44.8	67.2
99	62.8	50.6	76.0



#56
Ethyl methacrylate
Concen: 54.068 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:	69	Resp:	143524
Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.2	82.8
39	38.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 50.852 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

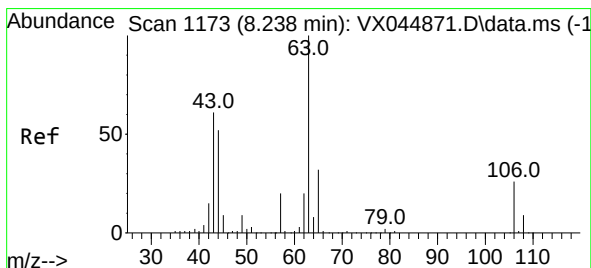
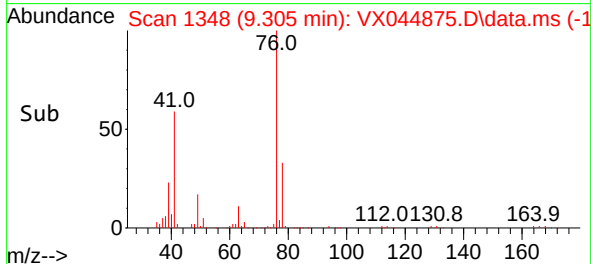
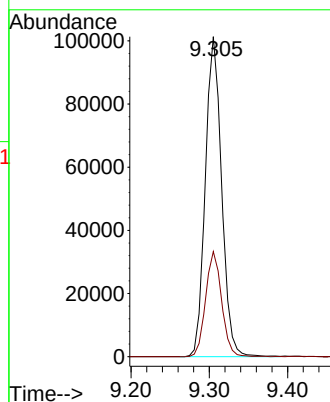
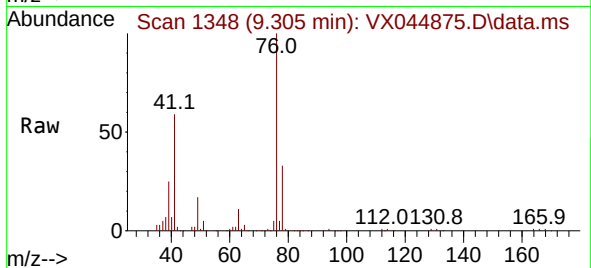
ICVVX021025

Tgt Ion: 76 Resp: 146236

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 284.352 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044875.D

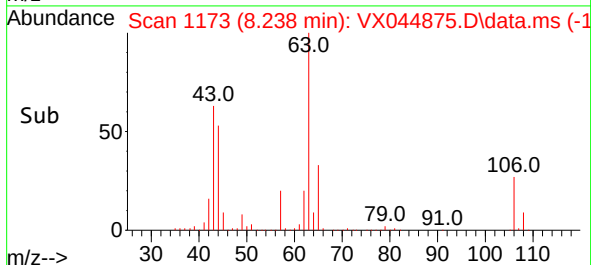
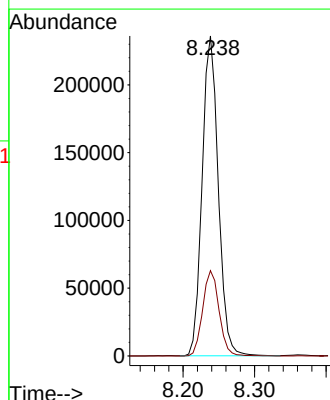
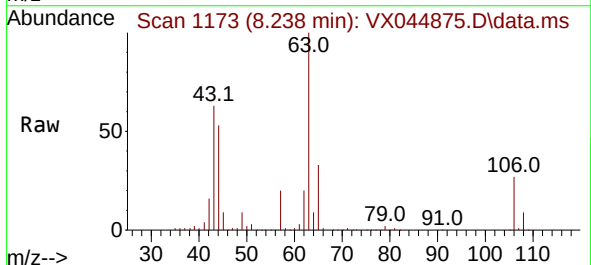
Acq: 10 Feb 2025 13:15

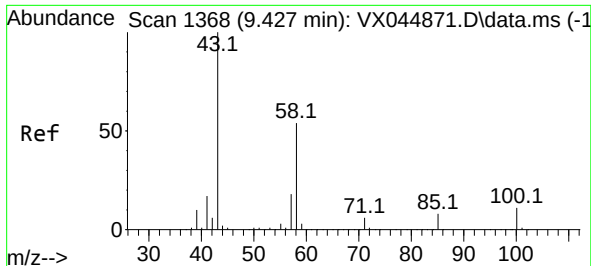
Tgt Ion: 63 Resp: 370622

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 269.951 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

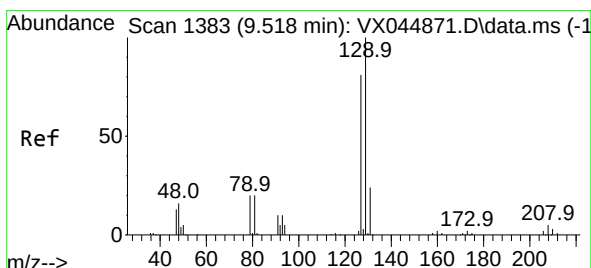
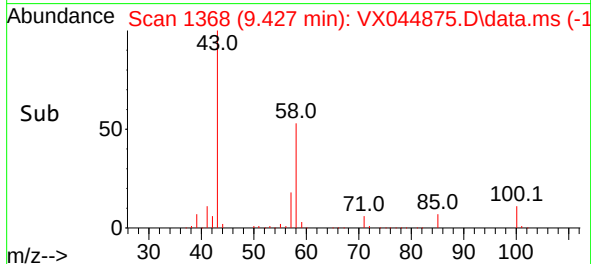
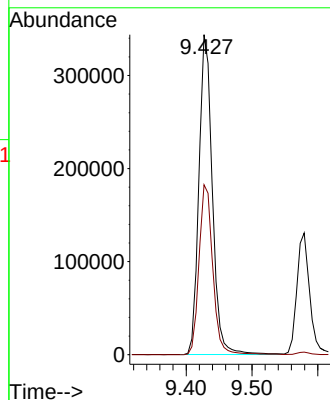
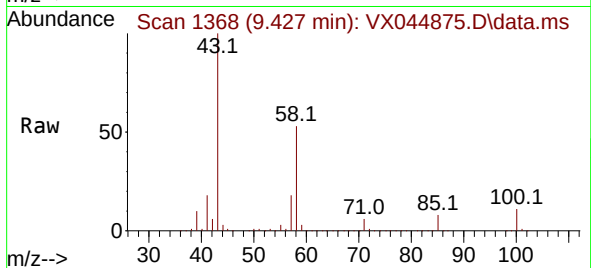
ICVVX021025

Tgt Ion: 43 Resp: 488298

Ion Ratio Lower Upper

43 100

58 54.5 27.5 82.4



#60

Dibromochloromethane

Concen: 51.673 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044875.D

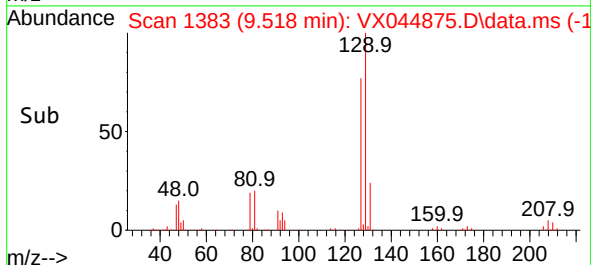
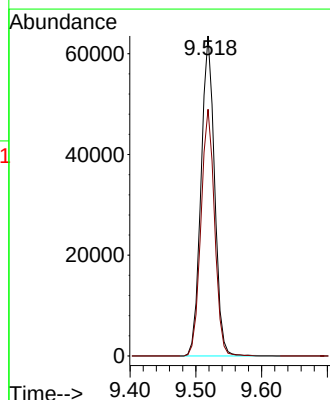
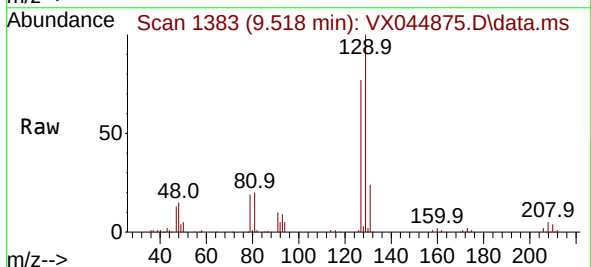
Acq: 10 Feb 2025 13:15

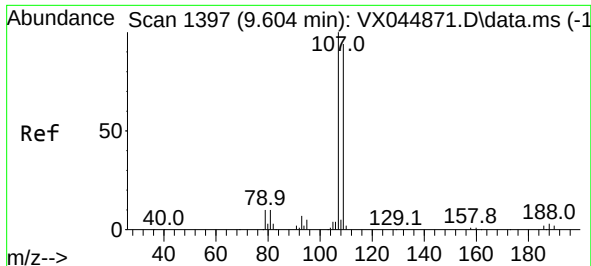
Tgt Ion: 129 Resp: 90826

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3

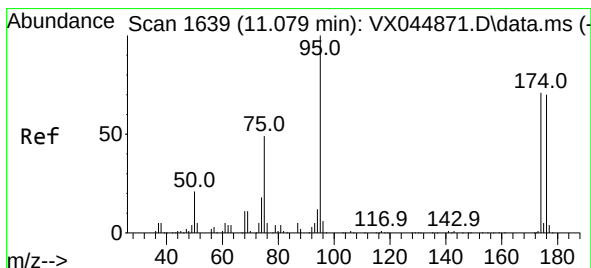
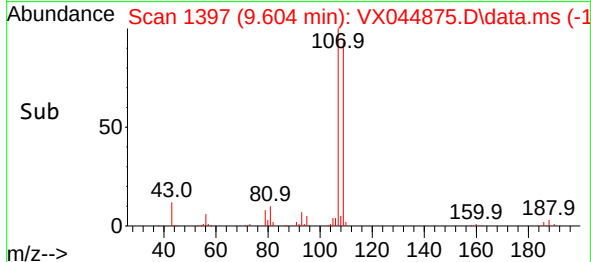
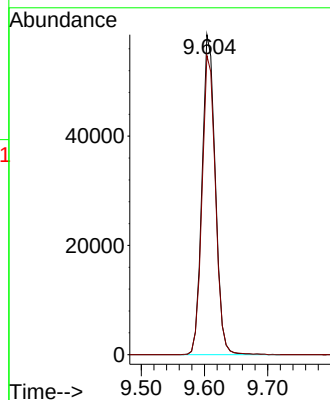
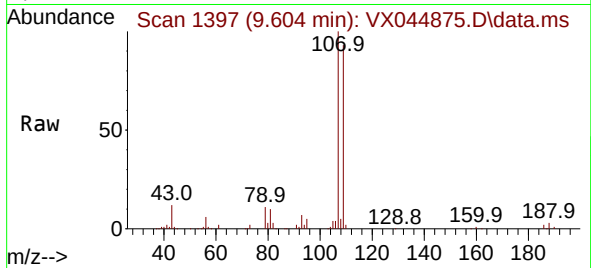




#61
 1,2-Dibromoethane
 Concen: 51.436 ug/l
 RT: 9.604 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

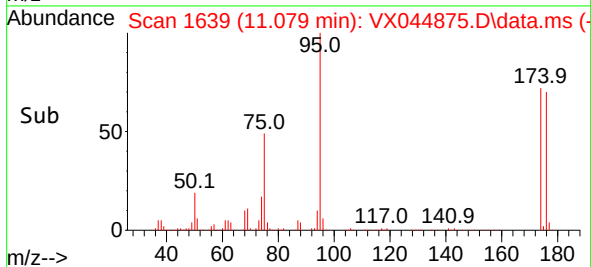
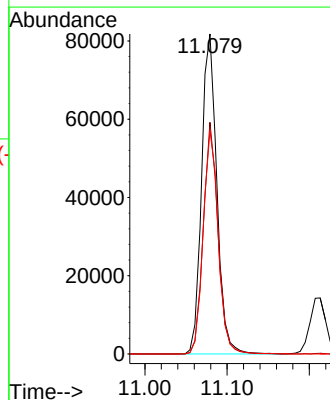
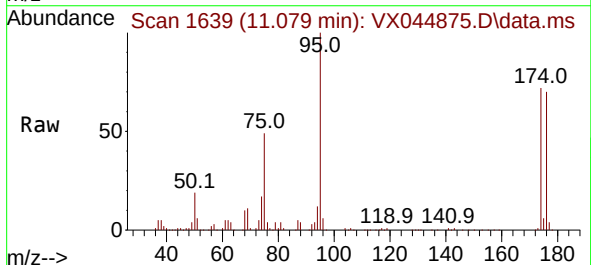
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

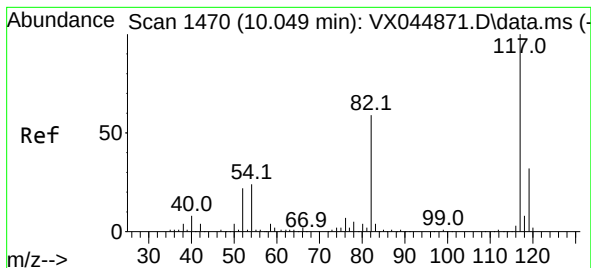
Tgt Ion:107 Resp: 85683
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.786 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201
 Ion Ratio Lower Upper
 95 100
 174 69.8 0.0 142.6
 176 68.9 0.0 141.6

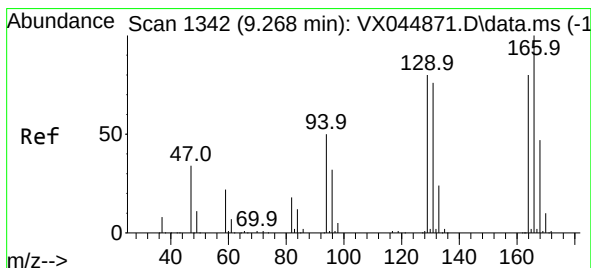
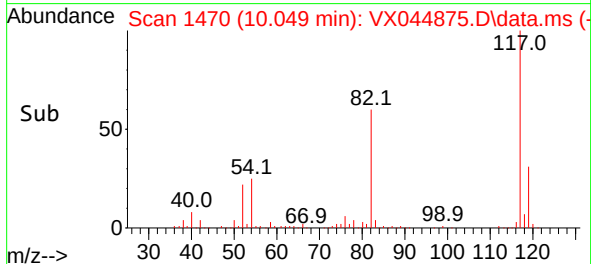
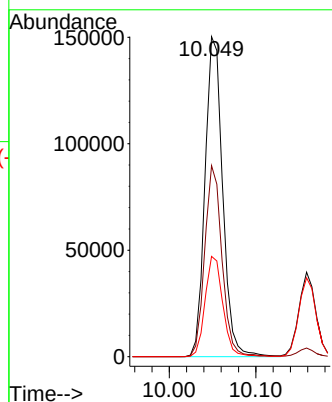
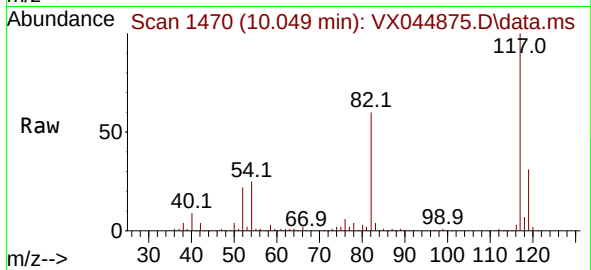




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

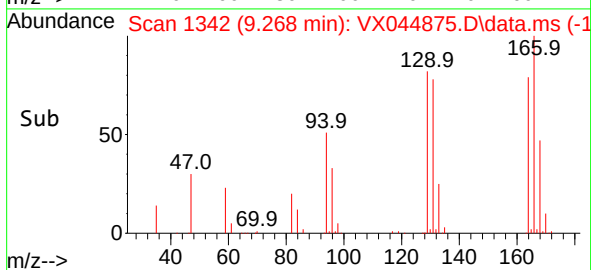
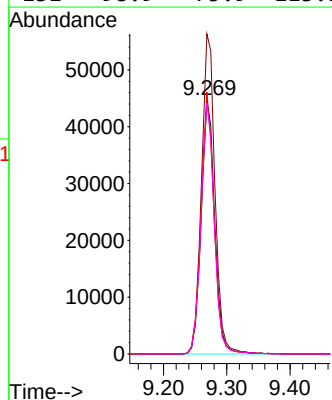
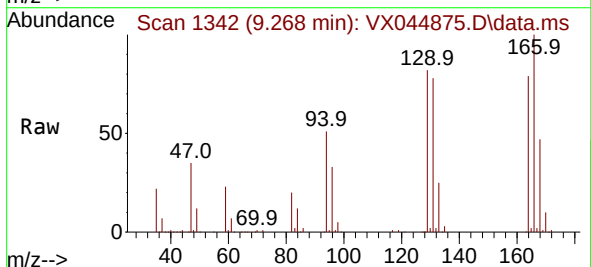
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

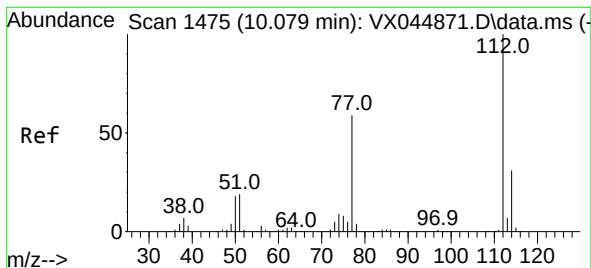
Tgt Ion:117 Resp: 213248
Ion Ratio Lower Upper
117 100
82 59.7 47.5 71.3
119 31.3 25.4 38.0



#64
Tetrachloroethene
Concen: 49.424 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468
Ion Ratio Lower Upper
164 100
166 126.1 100.4 150.6
129 103.1 79.9 119.9
131 98.9 75.9 113.9

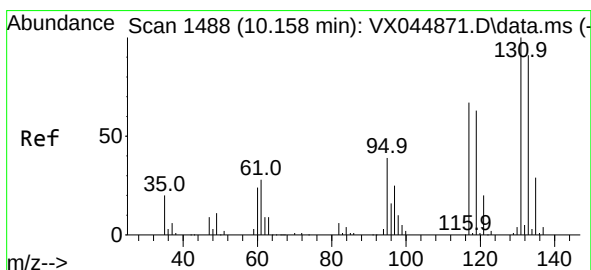
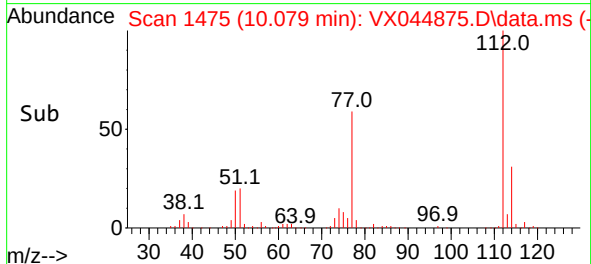
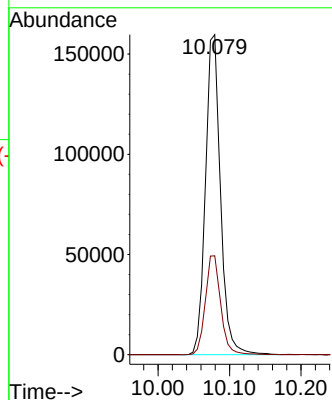
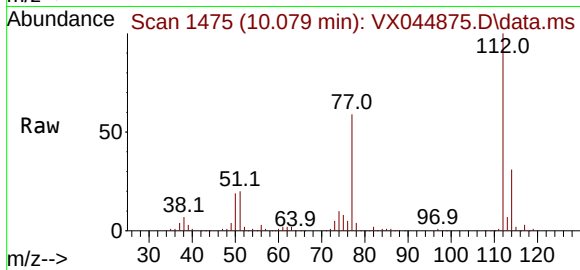




#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

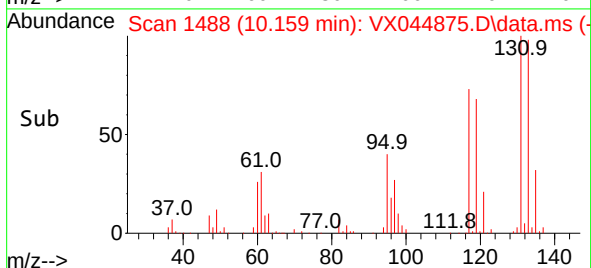
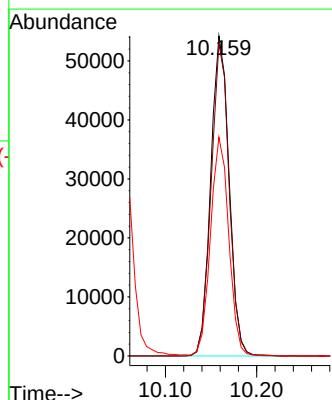
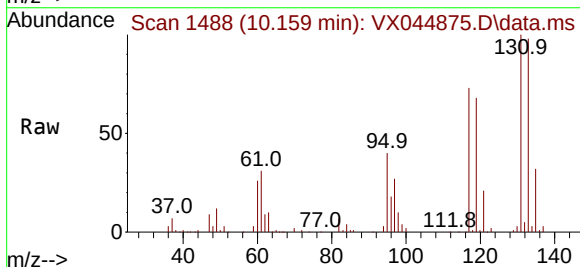
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

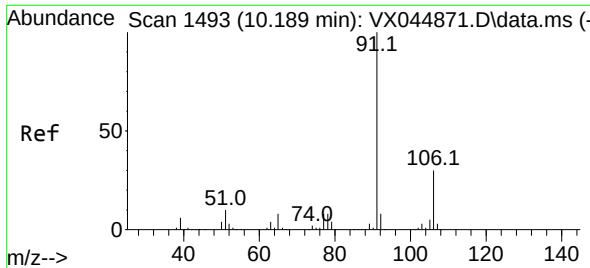
Tgt Ion:112 Resp: 233373
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.205 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:131 Resp: 75488
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.3
119 68.2 33.6 100.6





#67

Ethyl Benzene

Concen: 51.415 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

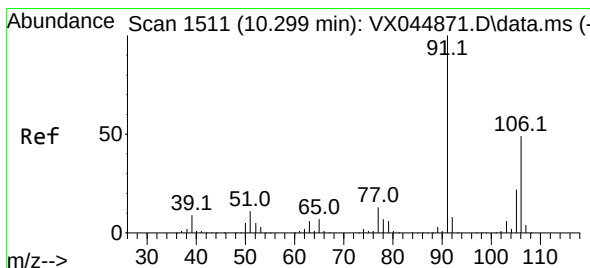
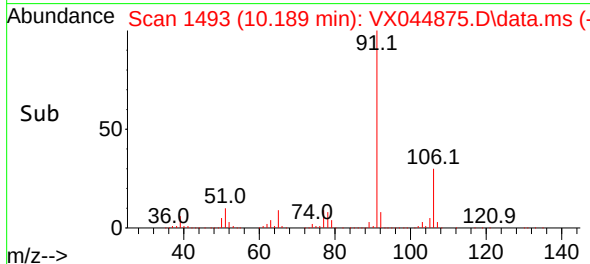
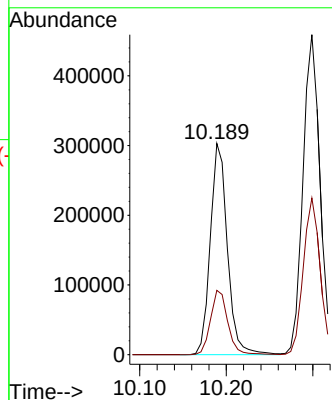
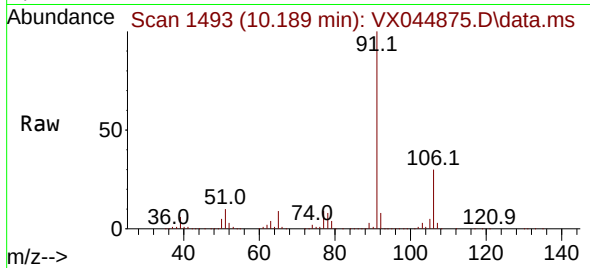
ICVVX021025

Tgt Ion: 91 Resp: 415575

Ion Ratio Lower Upper

91 100

106 30.4 23.9 35.9



#68

m/p-Xylenes

Concen: 104.282 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044875.D

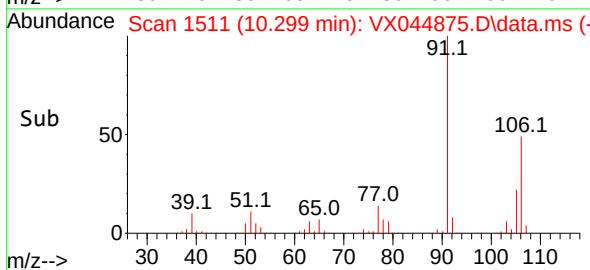
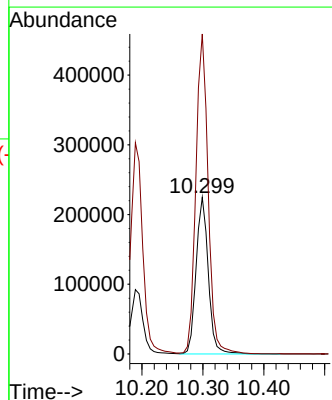
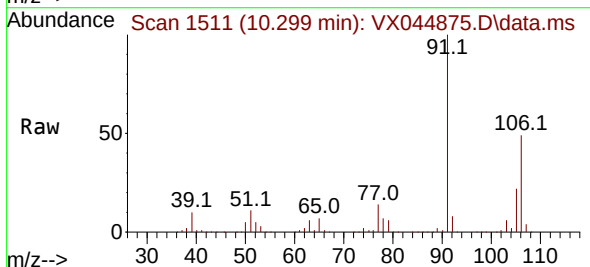
Acq: 10 Feb 2025 13:15

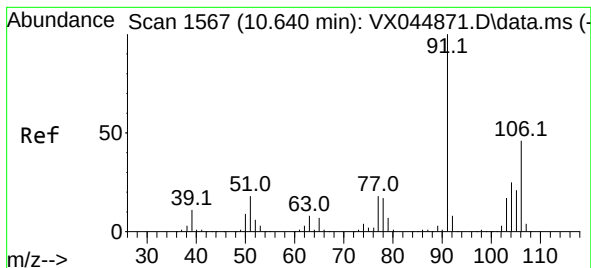
Tgt Ion:106 Resp: 310925

Ion Ratio Lower Upper

106 100

91 205.2 164.3 246.5

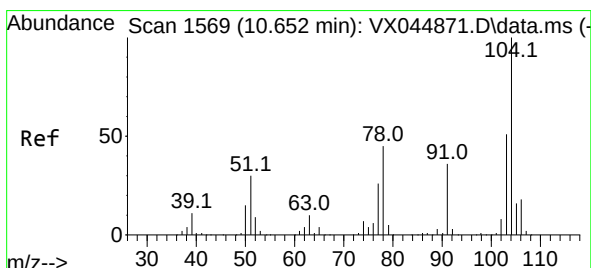
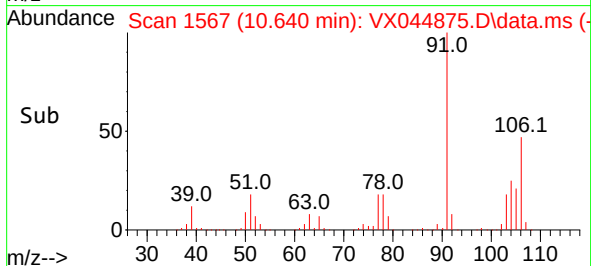
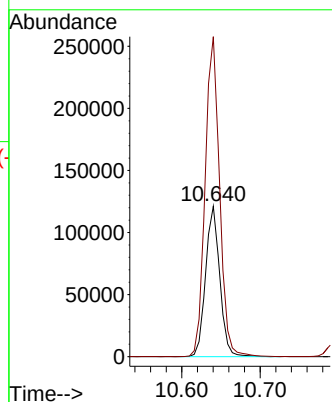
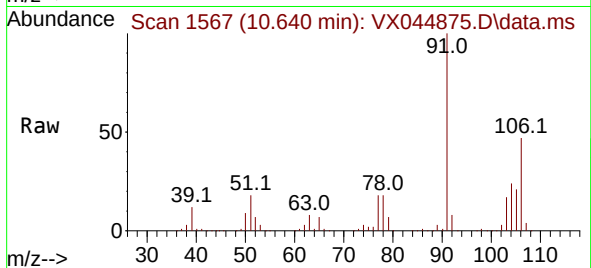




#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

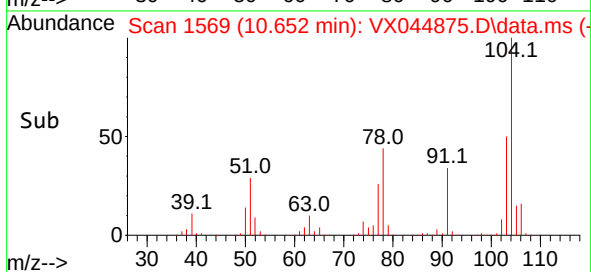
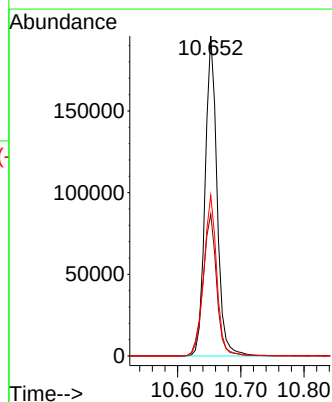
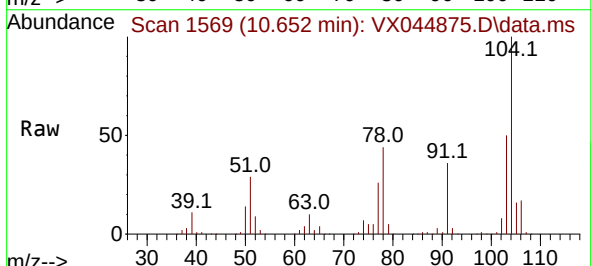
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

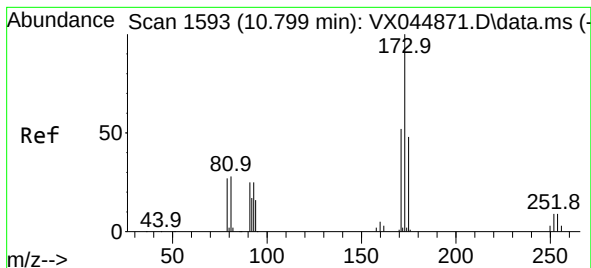
Tgt Ion:106 Resp: 151995
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.5



#70
Styrene
Concen: 53.521 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:104 Resp: 257972
Ion Ratio Lower Upper
104 100
78 50.3 40.5 60.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 53.997 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

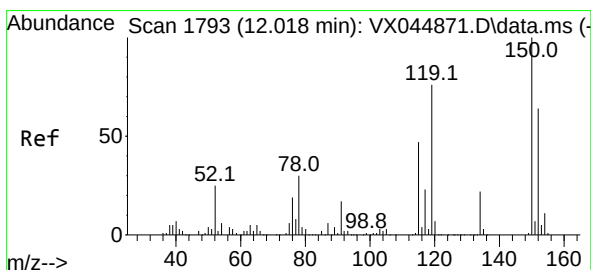
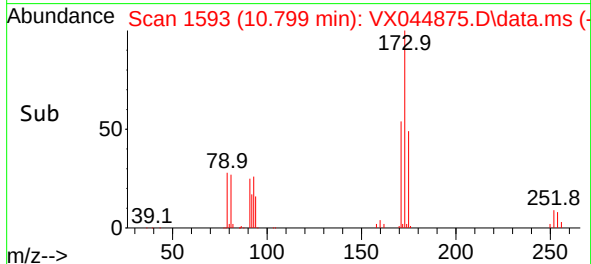
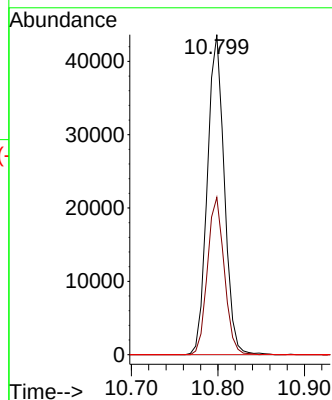
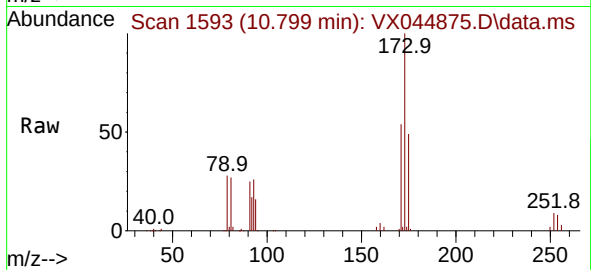
Tgt Ion:173 Resp: 59409

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

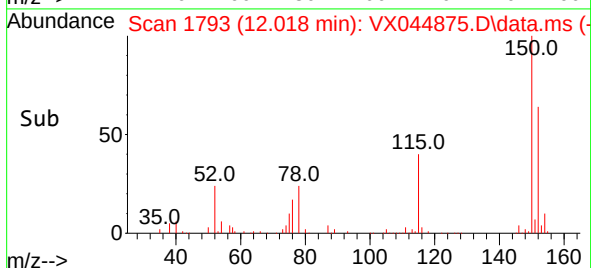
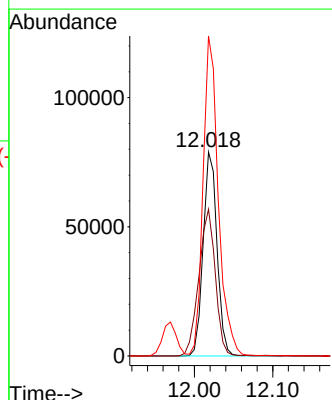
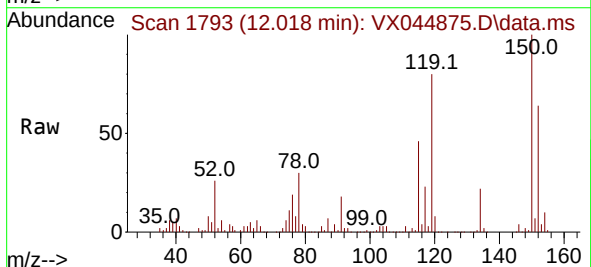
Tgt Ion:152 Resp: 97087

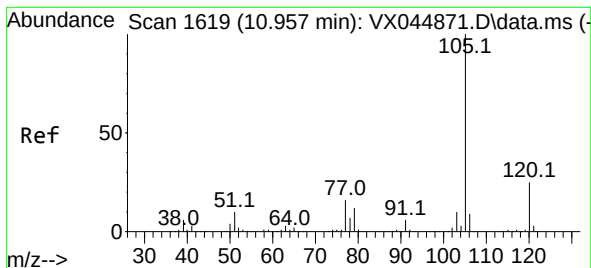
Ion Ratio Lower Upper

152 100

115 85.5 43.4 130.1

150 171.8 0.0 350.4





#73

Isopropylbenzene

Concen: 49.921 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

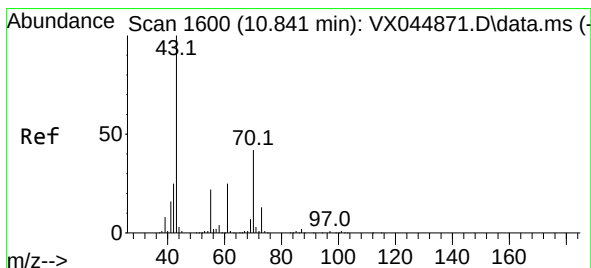
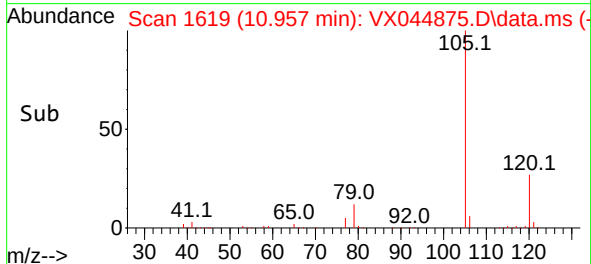
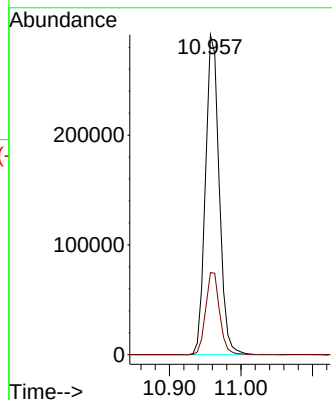
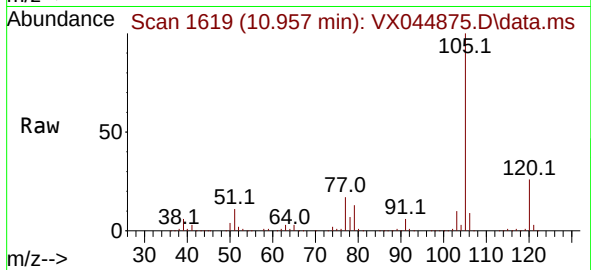
ICVVX021025

Tgt Ion:105 Resp: 390246

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5



#74

N-ethyl acetate

Concen: 52.621 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145

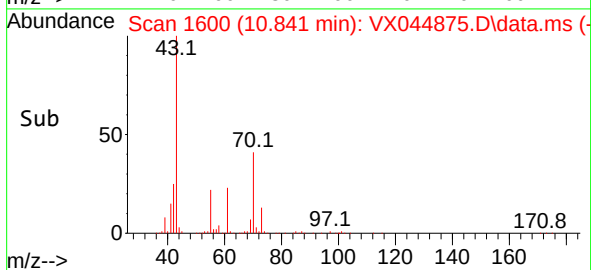
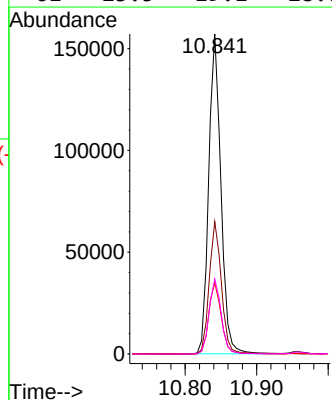
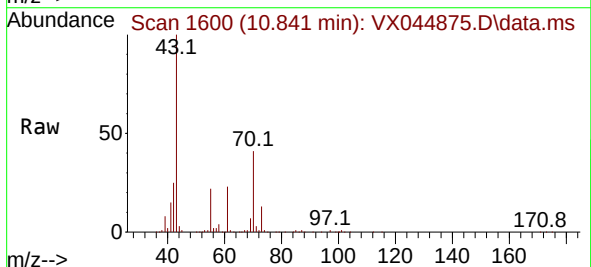
Ion Ratio Lower Upper

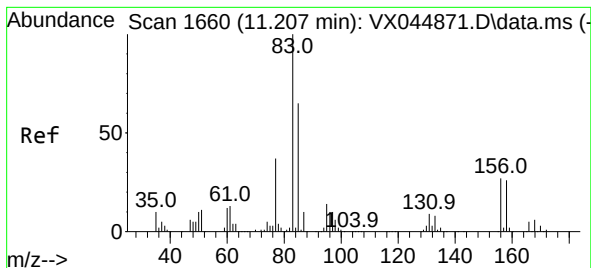
43 100

70 41.4 33.7 50.5

55 22.8 18.6 27.8

61 23.5 19.1 28.7

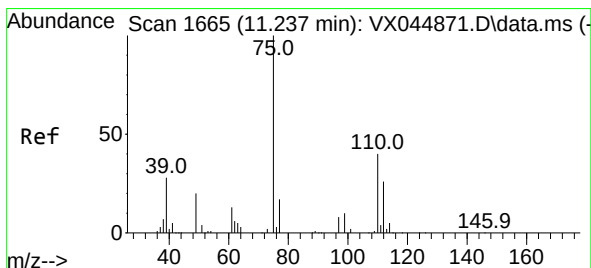
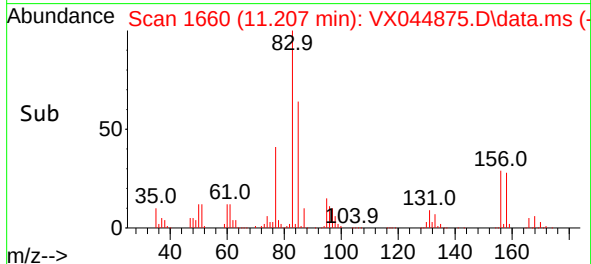
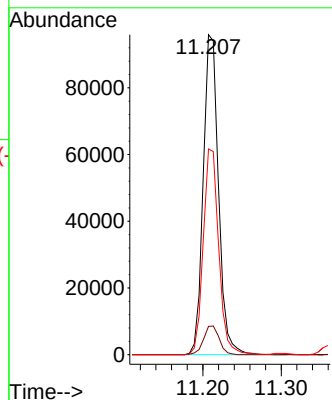
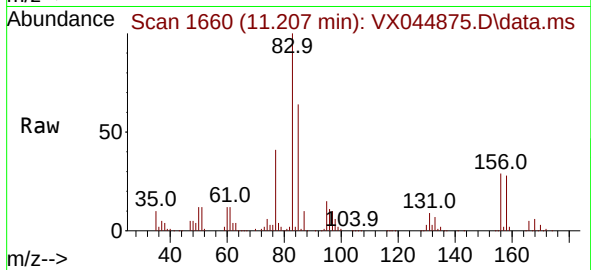




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.331 ug/l
 RT: 11.207 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

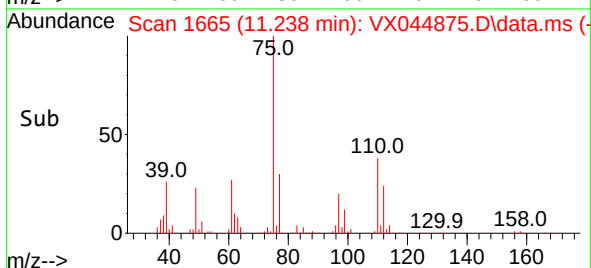
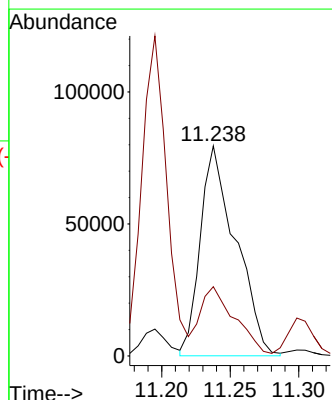
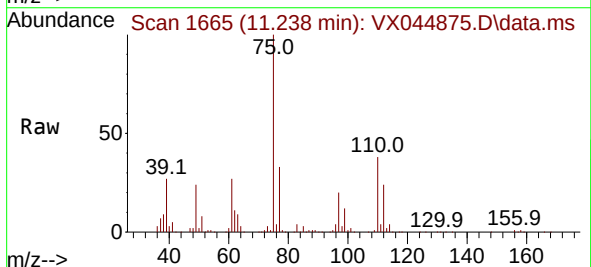
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

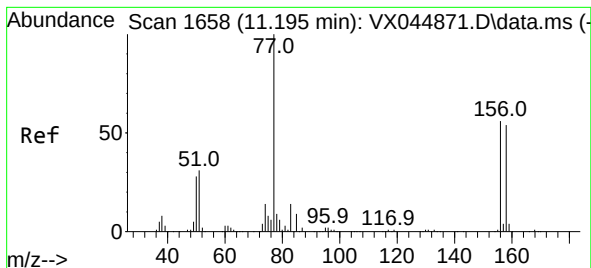
Tgt Ion: 83 Resp: 129829
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.5
 85 65.1 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 66.510 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143167
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.9 65.7





#77

Bromobenzene

Concen: 49.725 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

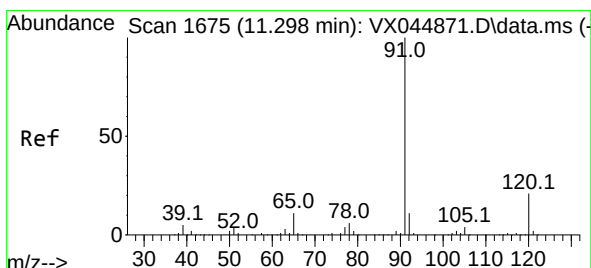
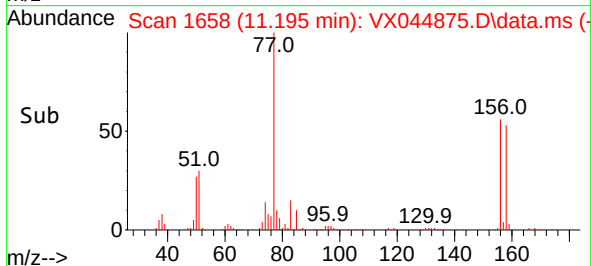
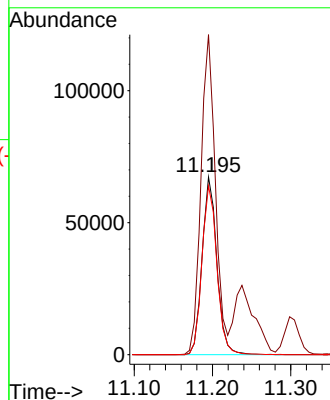
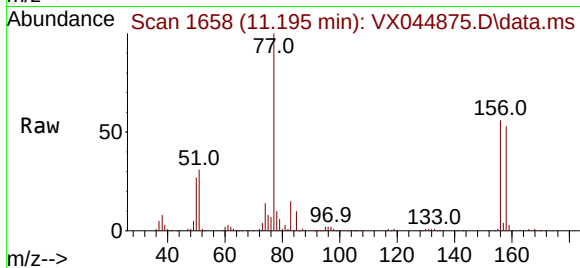
Tgt Ion:156 Resp: 88129

Ion Ratio Lower Upper

156 100

77 176.3 88.4 265.3

158 96.7 48.4 145.2



#78

n-propylbenzene

Concen: 51.386 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044875.D

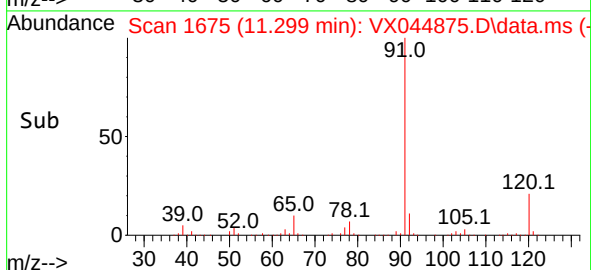
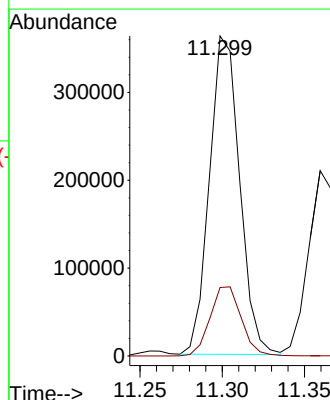
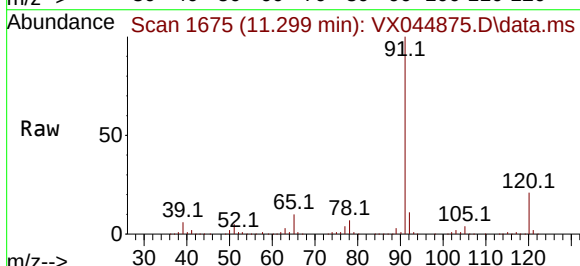
Acq: 10 Feb 2025 13:15

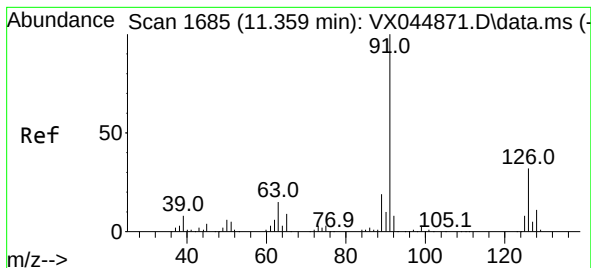
Tgt Ion: 91 Resp: 463655

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.3

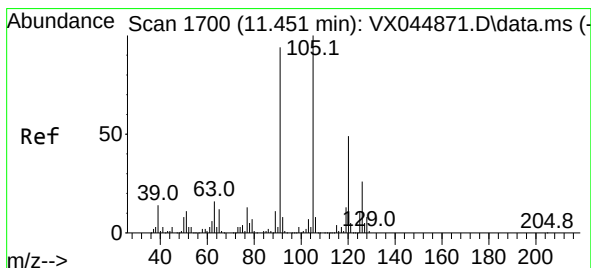
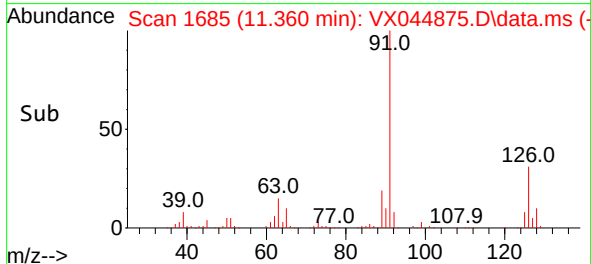
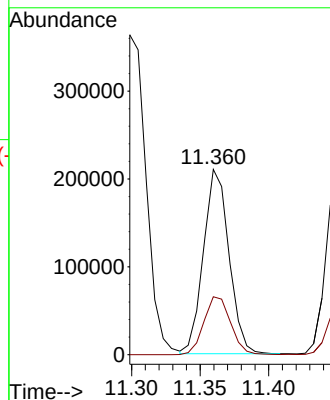
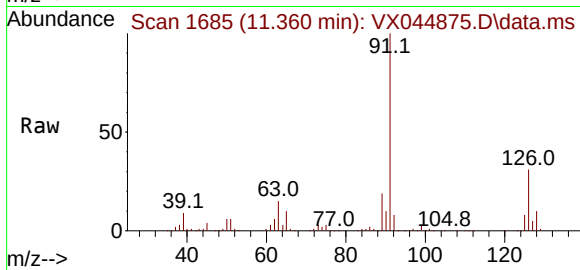




#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

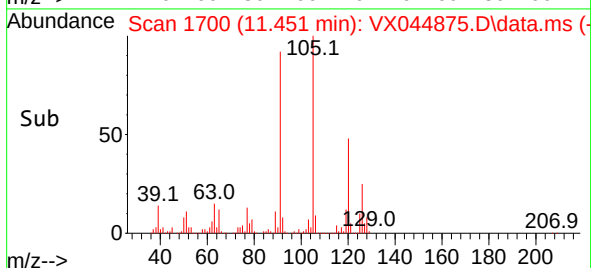
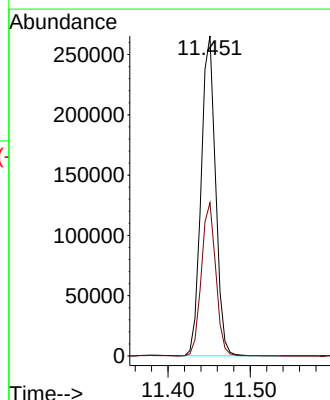
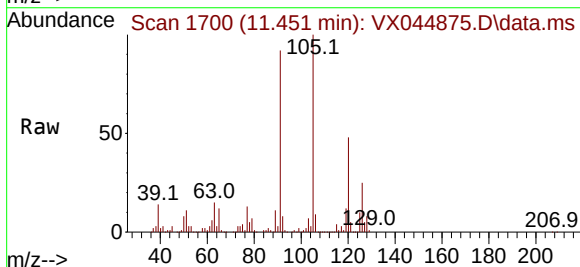
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

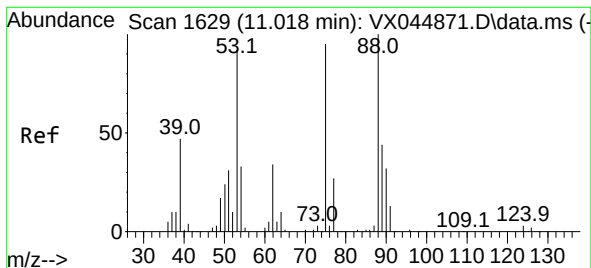
Tgt Ion: 91 Resp: 272091
Ion Ratio Lower Upper
91 100
126 33.0 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 50.956 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 105 Resp: 323251
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0

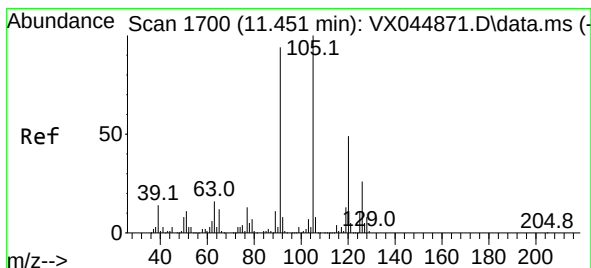
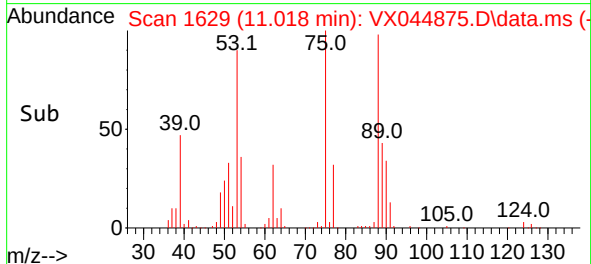
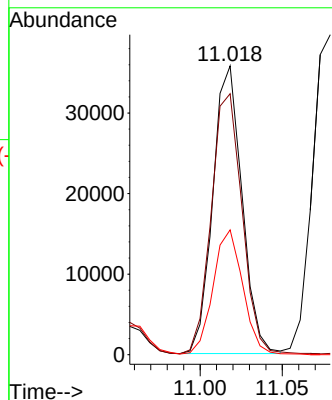
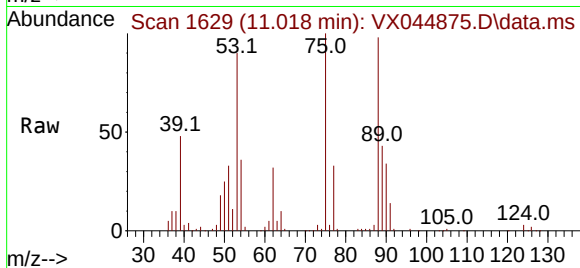




#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

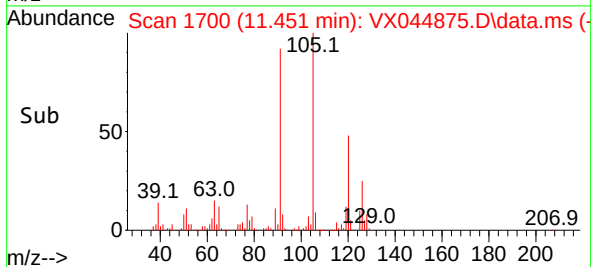
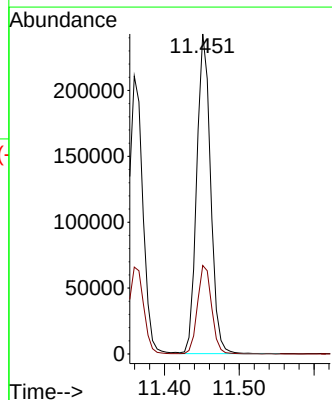
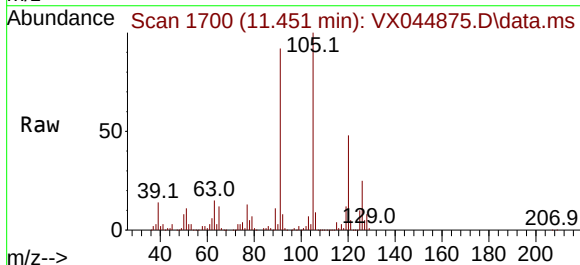
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

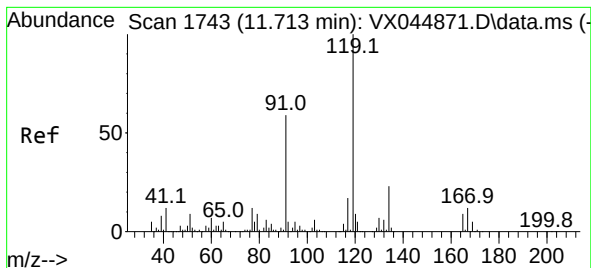
Tgt Ion: 75 Resp: 44070
Ion Ratio Lower Upper
75 100
53 96.9 78.0 117.0
89 44.3 36.6 54.8



#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6

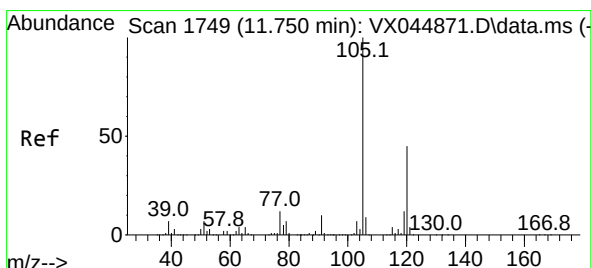
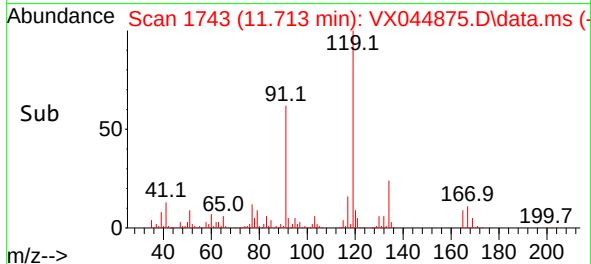
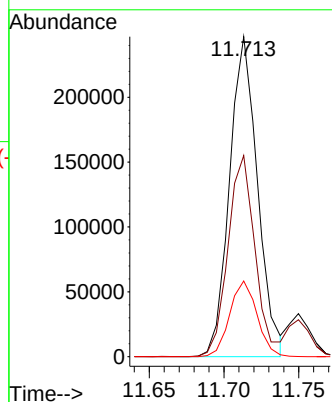
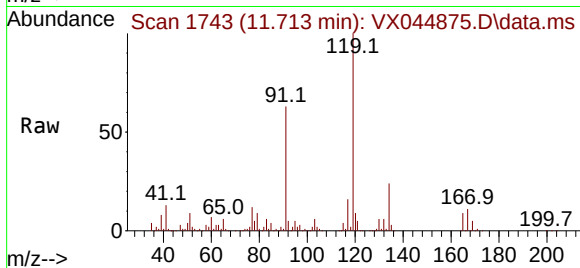




#83
 tert-Butylbenzene
 Concen: 50.139 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

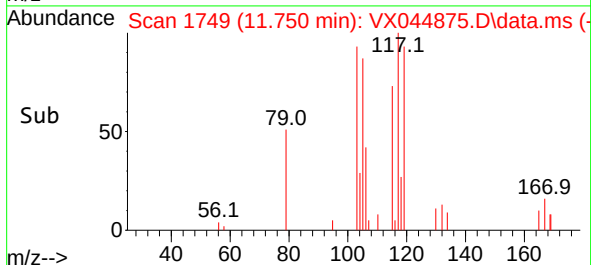
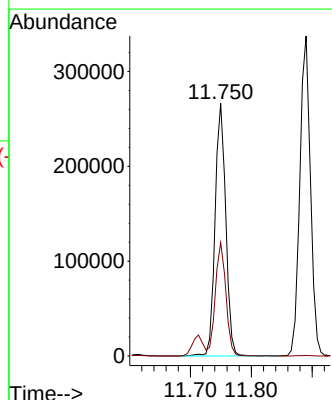
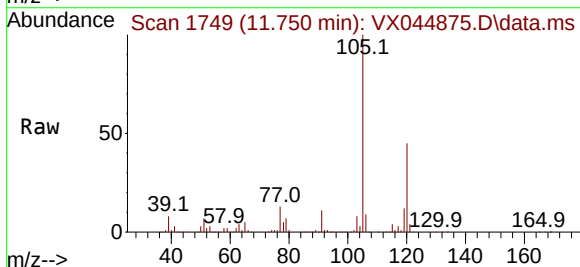
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

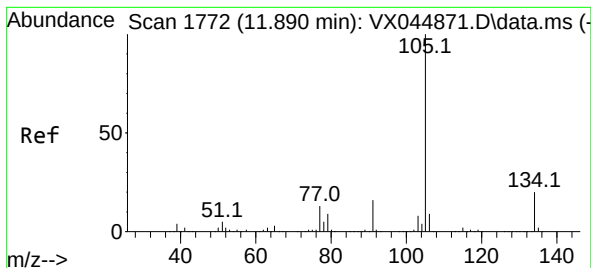
Tgt Ion:119 Resp: 321772
 Ion Ratio Lower Upper
 119 100
 91 60.7 29.1 87.4
 134 23.0 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.593 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323035
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.617 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

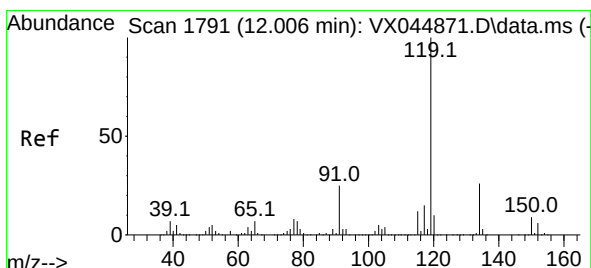
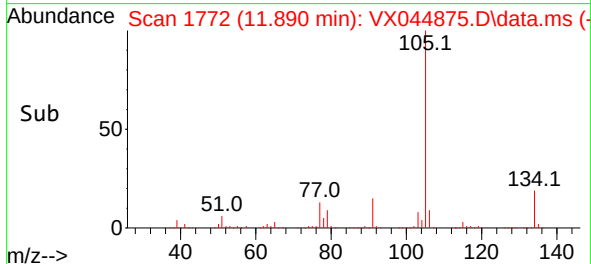
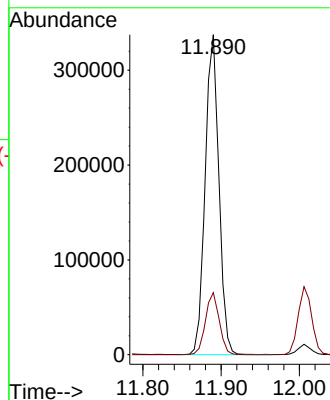
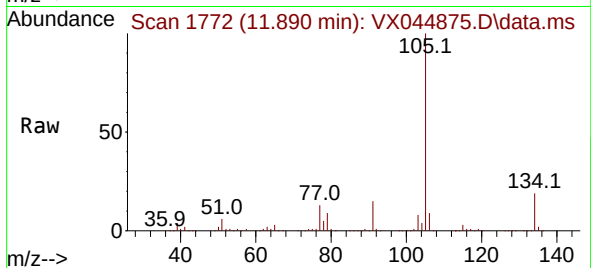
ICVVX021025

Tgt Ion:105 Resp: 410197

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 52.581 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

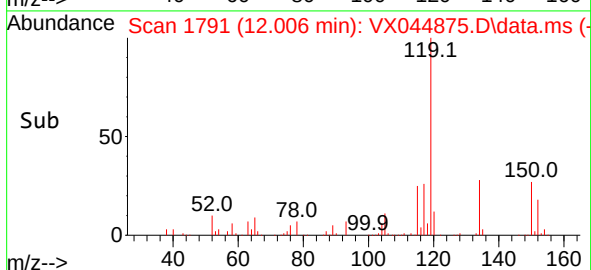
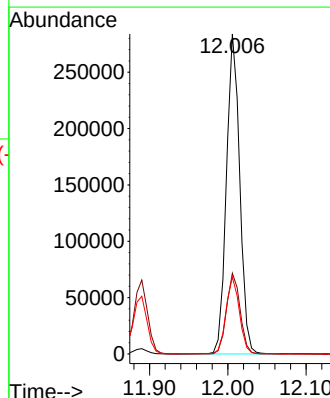
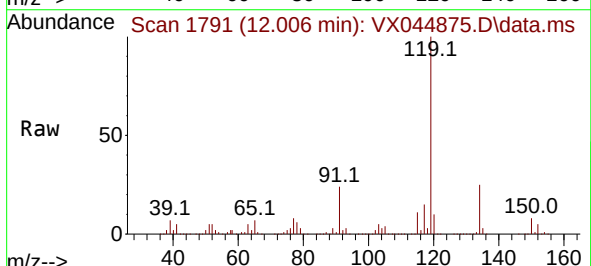
Tgt Ion:119 Resp: 336027

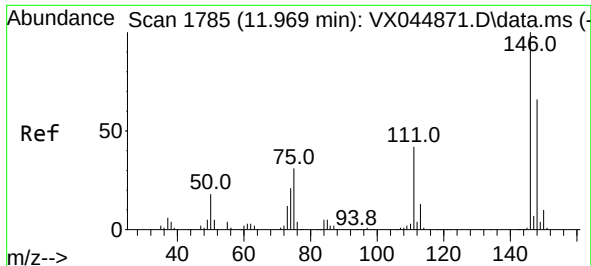
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.475 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

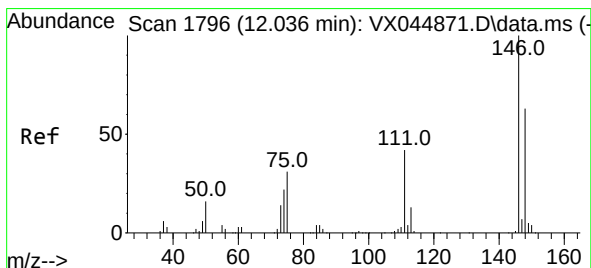
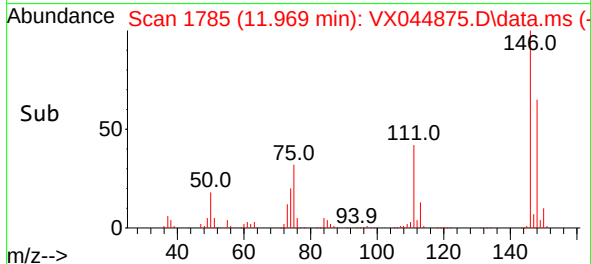
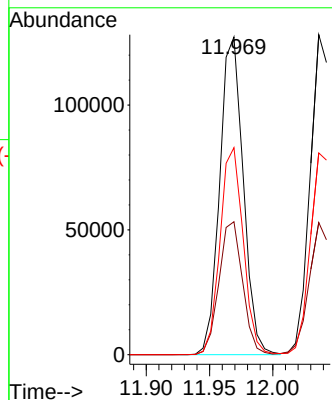
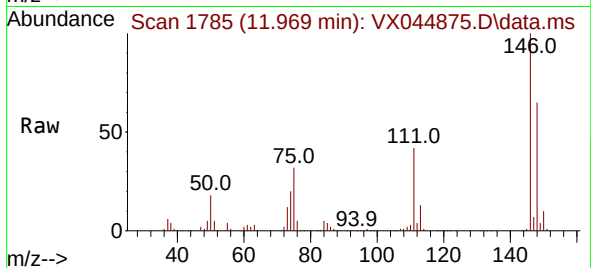
Tgt Ion:146 Resp: 164508

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

148 64.3 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 49.526 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

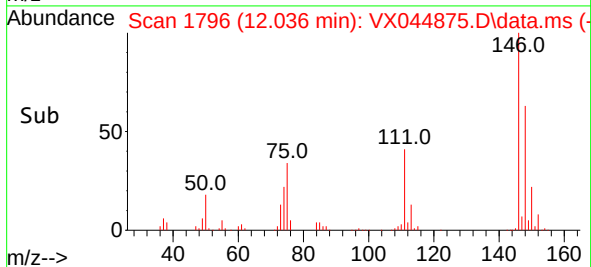
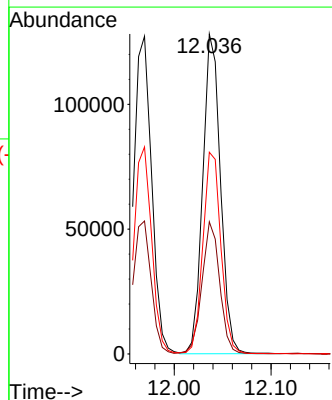
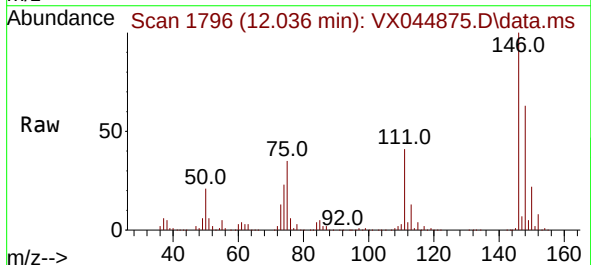
Tgt Ion:146 Resp: 163203

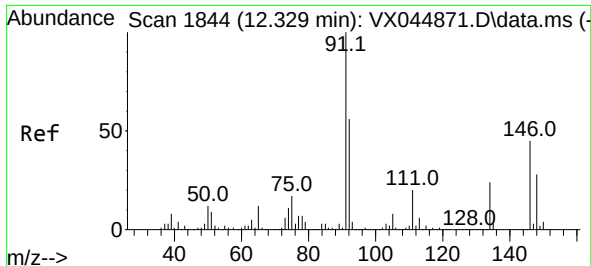
Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

148 64.2 32.0 96.0

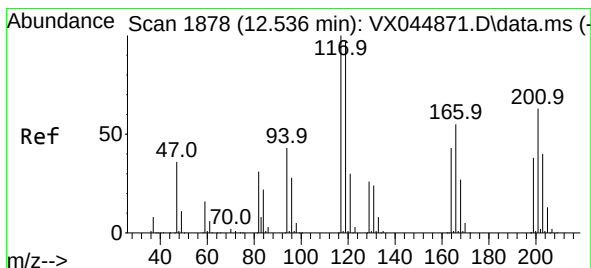
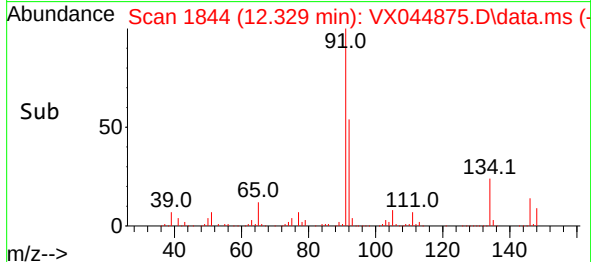
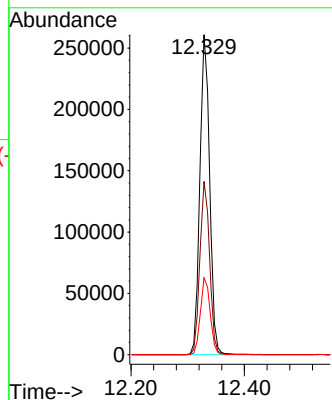
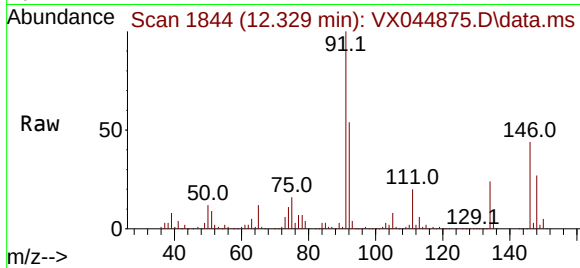




#89
n-Butylbenzene
Concen: 55.142 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

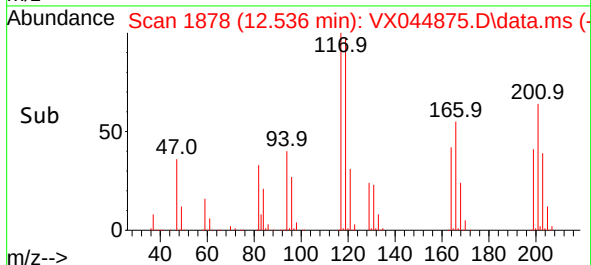
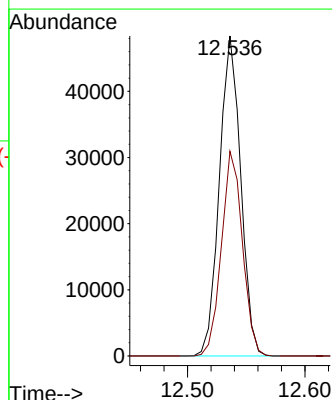
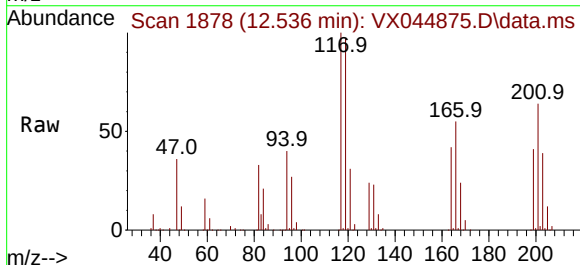
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

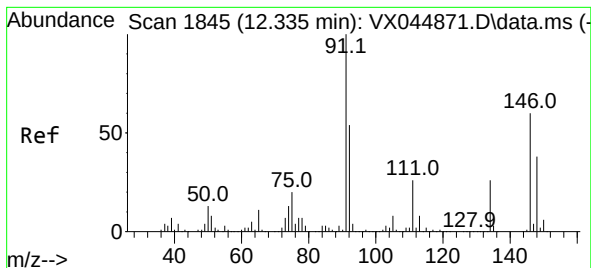
Tgt Ion: 91 Resp: 311764
Ion Ratio Lower Upper
91 100
92 54.1 27.2 81.6
134 24.1 12.1 36.3



#90
Hexachloroethane
Concen: 50.990 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 117 Resp: 61016
Ion Ratio Lower Upper
117 100
201 63.1 32.5 97.5

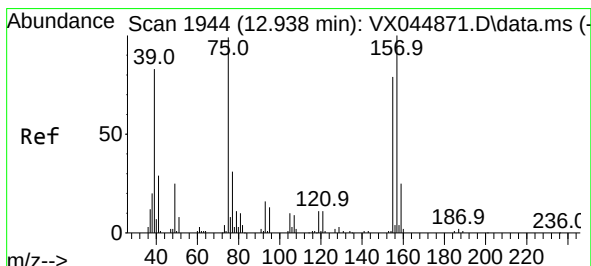
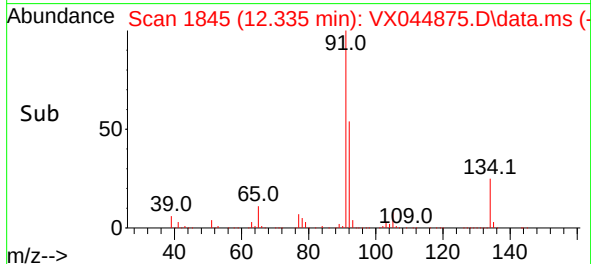
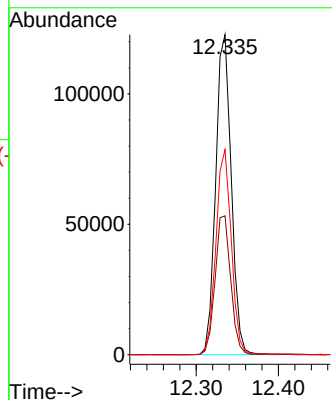
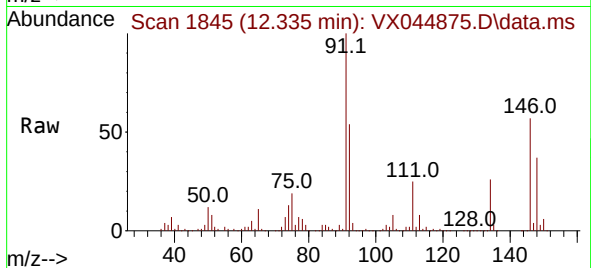




#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

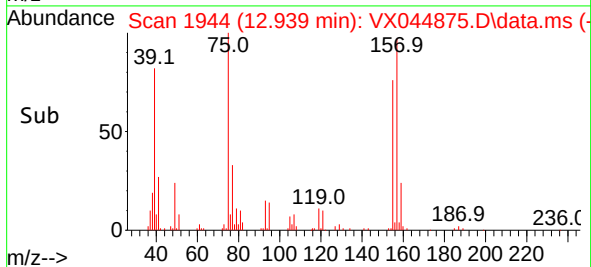
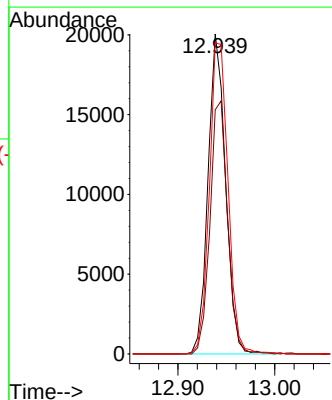
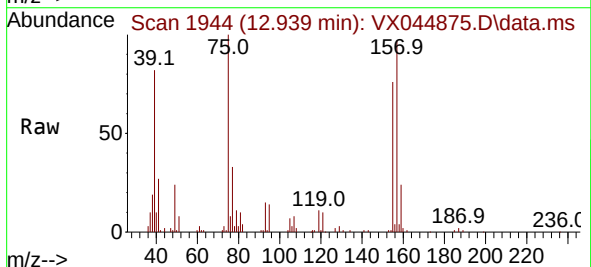
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

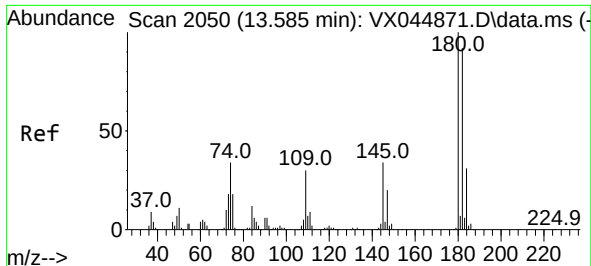
Tgt Ion:146 Resp: 161590
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.3 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339
Ion Ratio Lower Upper
75 100
155 79.5 40.5 121.4
157 103.5 51.4 154.3

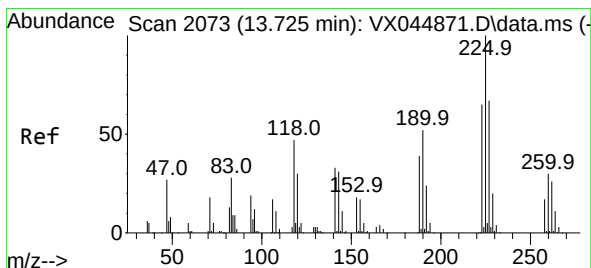
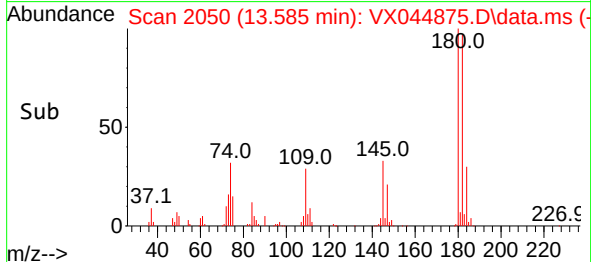
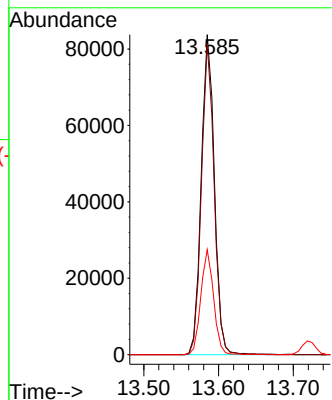
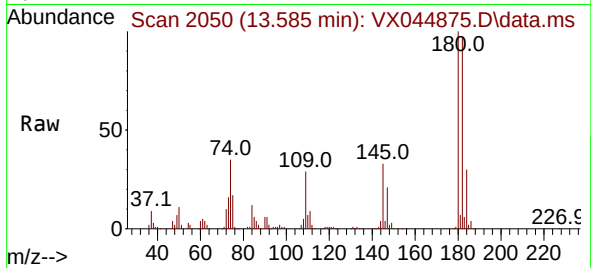




#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

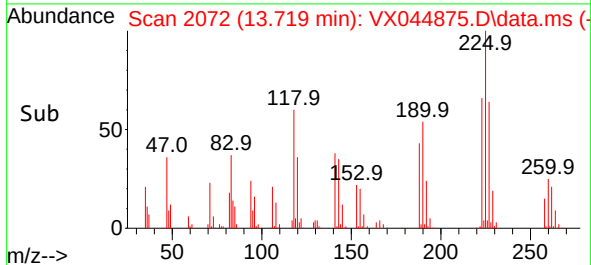
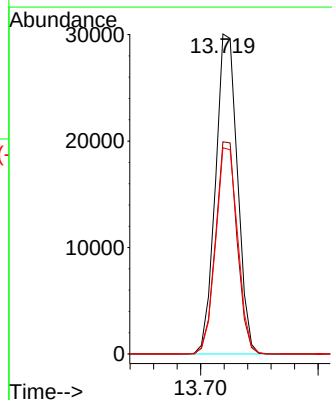
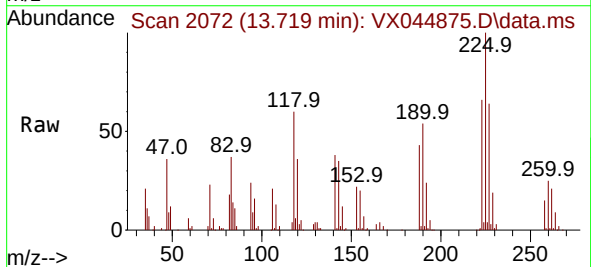
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

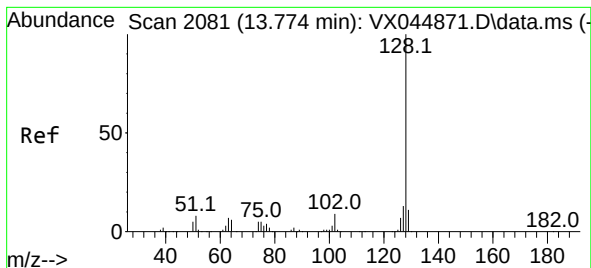
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	31.9	16.4	49.1



#94
Hexachlorobutadiene
Concen: 50.683 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	64.8	32.3	96.8

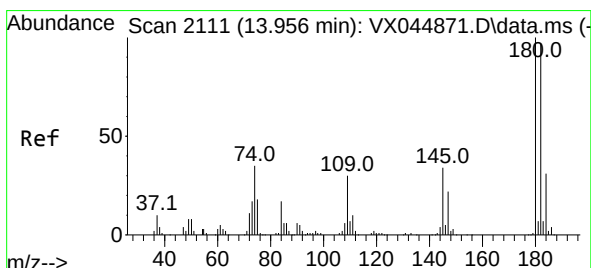
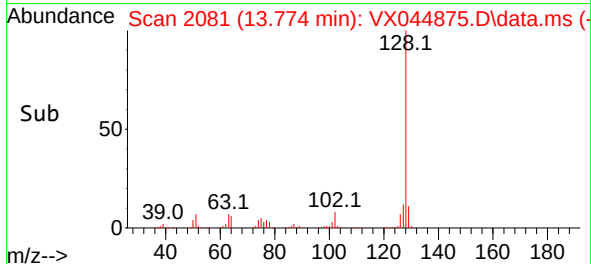
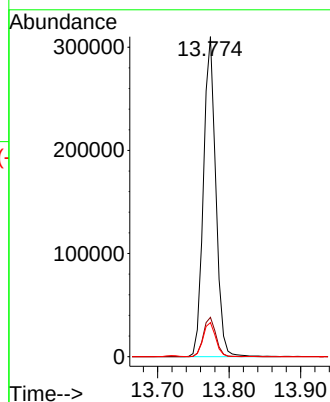
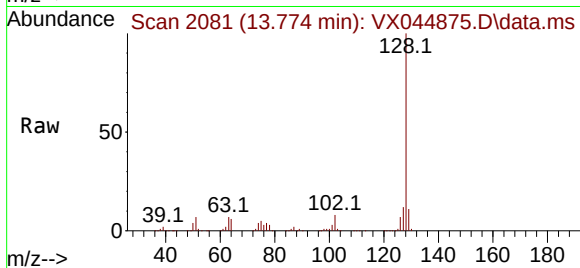




#95
Naphthalene
Concen: 53.033 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

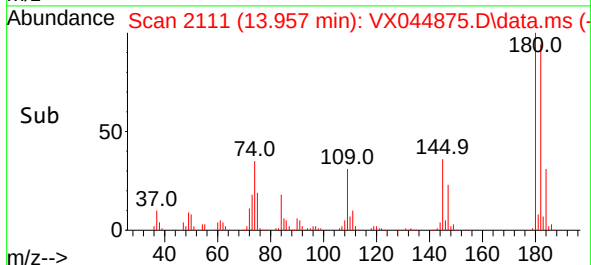
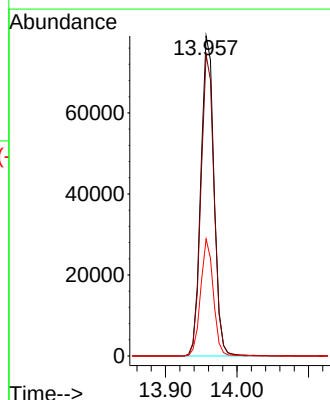
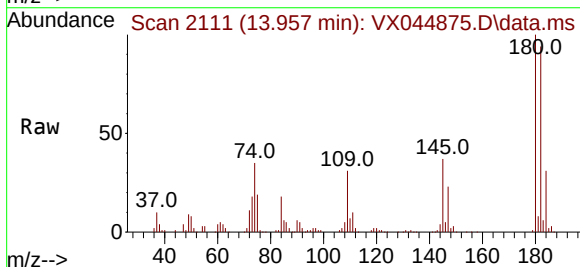
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:128 Resp: 371576
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:180 Resp: 100730
Ion Ratio Lower Upper
180 100
182 94.3 47.9 143.6
145 35.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044948.D
 Acq On : 14 Feb 2025 10:04
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0050

Quant Time: Feb 14 22:10:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	111649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	194847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	171164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81025	49.577	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.160%
35) Dibromofluoromethane	5.373	113	65208	51.473	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.940%
50) Toluene-d8	8.640	98	239910	50.081	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.160%
62) 4-Bromofluorobenzene	11.079	95	85808	53.134	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83333	53.216	ug/l	100
3) Chloromethane	1.300	50	95413	50.063	ug/l	98
4) Vinyl Chloride	1.373	62	89675	48.568	ug/l	100
5) Bromomethane	1.593	94	31780	57.519	ug/l	98
6) Chloroethane	1.666	64	48225	75.147	ug/l	99
7) Trichlorofluoromethane	1.873	101	122436	52.436	ug/l	99
8) Diethyl Ether	2.129	74	44034	52.000	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	73285	51.947	ug/l	99
10) Methyl Iodide	2.446	142	96895	52.995	ug/l	98
11) Tert butyl alcohol	2.971	59	74583	245.988	ug/l	99
12) 1,1-Dichloroethene	2.312	96	71069	49.386	ug/l	98
13) Acrolein	2.233	56	85239	272.483	ug/l	99
14) Allyl chloride	2.654	41	130324	50.110	ug/l	98
15) Acrylonitrile	3.056	53	210836	260.443	ug/l	98
16) Acetone	2.379	43	173217	263.641	ug/l	97
17) Carbon Disulfide	2.501	76	182069	46.138	ug/l	100
18) Methyl Acetate	2.696	43	109619	52.872	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	230346	50.309	ug/l	99
20) Methylene Chloride	2.782	84	79188	49.206	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	70029	49.443	ug/l	92
22) Diisopropyl ether	3.751	45	255981	52.025	ug/l	93
23) Vinyl Acetate	3.715	43	1041556	259.654	ug/l	99
24) 1,1-Dichloroethane	3.599	63	139363	50.620	ug/l	99
25) 2-Butanone	4.550	43	282901	265.167	ug/l	97
26) 2,2-Dichloropropane	4.458	77	108637	49.758	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	85121	50.033	ug/l	99
28) Bromochloromethane	4.885	49	66328	50.132	ug/l	100
29) Tetrahydrofuran	4.989	42	183098	258.456	ug/l	99
30) Chloroform	5.080	83	135270	50.664	ug/l	97
31) Cyclohexane	5.458	56	123125	48.511	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	114641	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	92569	50.648	ug/l	100
37) Ethyl Acetate	4.702	43	107447	52.854	ug/l	98
38) Carbon Tetrachloride	5.665	117	96084	53.647	ug/l	97
39) Methylcyclohexane	7.372	83	126678	53.611	ug/l	98
40) Benzene	6.025	78	295171	51.720	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044948.D
 Acq On : 14 Feb 2025 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	62502	57.439	ug/l	99
42) 1,2-Dichloroethane	6.080	62	99367	54.630	ug/l	99
43) Isopropyl Acetate	6.330	43	178056	54.238	ug/l	99
44) Trichloroethene	7.116	130	68729	52.686	ug/l	99
45) 1,2-Dichloropropane	7.421	63	73954	52.086	ug/l	98
46) Dibromomethane	7.574	93	52099	52.910	ug/l	99
47) Bromodichloromethane	7.817	83	104667	54.897	ug/l	94
48) Methyl methacrylate	7.683	41	84452	54.559	ug/l	98
49) 1,4-Dioxane	7.659	88	35851	1079.521	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	573871	287.542	ug/l	99
52) Toluene	8.714	92	177622	52.259	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	102427	53.088	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	115454	53.670	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	69992	53.569	ug/l	99
56) Ethyl methacrylate	9.110	69	113350	53.714	ug/l	96
57) 1,3-Dichloropropane	9.305	76	122833	53.730	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	281369	271.549	ug/l	100
59) 2-Hexanone	9.427	43	419224	291.536	ug/l	97
60) Dibromochloromethane	9.518	129	76923	55.049	ug/l	100
61) 1,2-Dibromoethane	9.604	107	70254	53.050	ug/l	99
64) Tetrachloroethene	9.268	164	56785	52.606	ug/l	96
65) Chlorobenzene	10.073	112	191305	52.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	63533	53.691	ug/l	99
67) Ethyl Benzene	10.189	91	341272	52.604	ug/l	98
68) m/p-Xylenes	10.299	106	253071	105.747	ug/l	99
69) o-Xylene	10.640	106	125488	52.257	ug/l	100
70) Styrene	10.652	104	212892	55.028	ug/l	99
71) Bromoform	10.799	173	50298	56.956	ug/l #	98
73) Isopropylbenzene	10.957	105	323452	50.759	ug/l	100
74) N-amyl acetate	10.841	43	151995	52.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	108280	49.450	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	116411	66.344	ug/l	83
77) Bromobenzene	11.195	156	74813	51.785	ug/l	97
78) n-propylbenzene	11.299	91	383227	52.104	ug/l	100
79) 2-Chlorotoluene	11.359	91	227346	50.293	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	269593	52.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34484	50.555	ug/l	95
82) 4-Chlorotoluene	11.451	91	260241	52.037	ug/l	100
83) tert-Butylbenzene	11.713	119	271023	51.808	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	273444	53.576	ug/l	98
85) sec-Butylbenzene	11.890	105	345172	53.285	ug/l	99
86) p-Isopropyltoluene	12.006	119	281168	53.974	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	138952	52.302	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	137282	51.107	ug/l	98
89) n-Butylbenzene	12.329	91	259957	56.406	ug/l	100
90) Hexachloroethane	12.536	117	50444	51.715	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	134948	51.683	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21467	53.715	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	83444	52.814	ug/l	100
94) Hexachlorobutadiene	13.725	225	33686	53.707	ug/l	100
95) Naphthalene	13.774	128	298494	52.263	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	84247	52.918	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

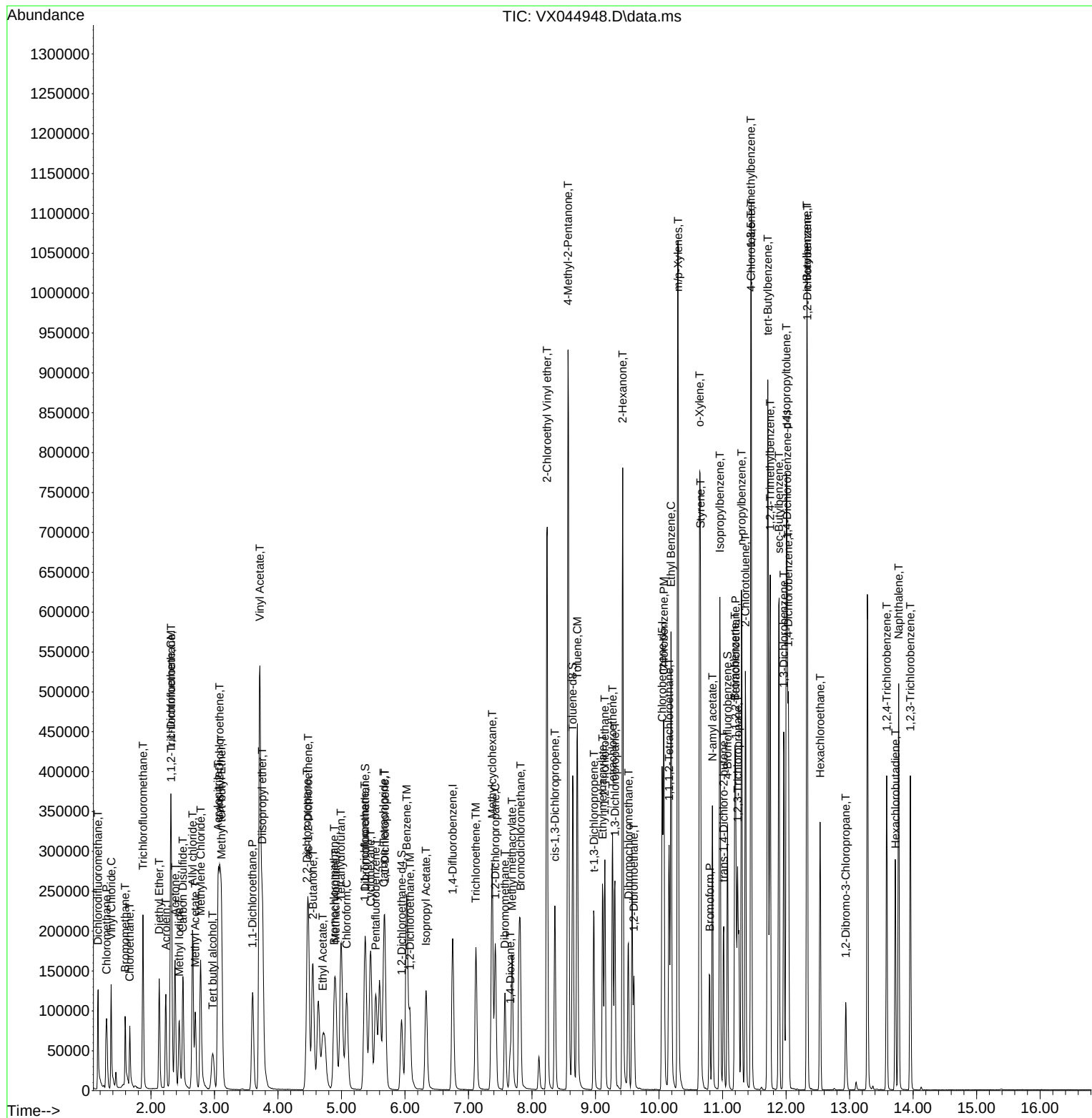
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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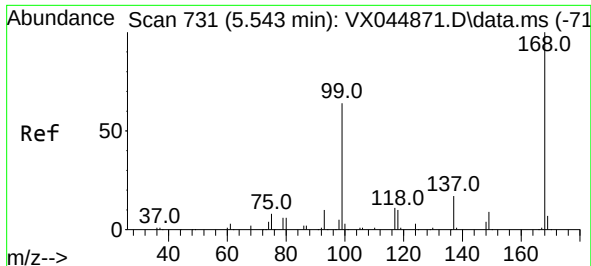
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044948.D
Acq On : 14 Feb 2025 10:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

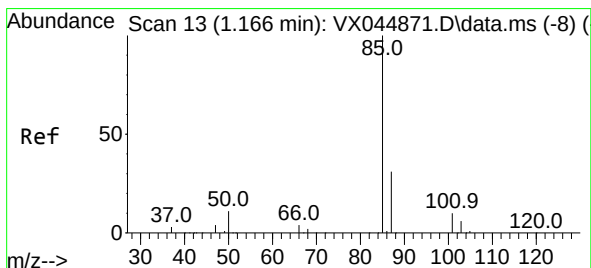
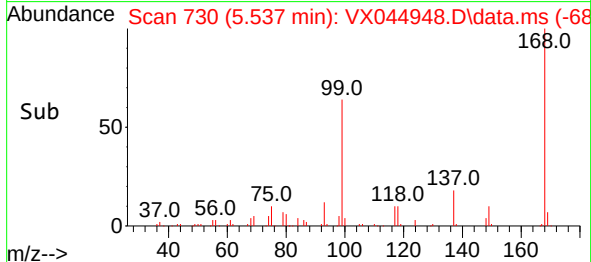
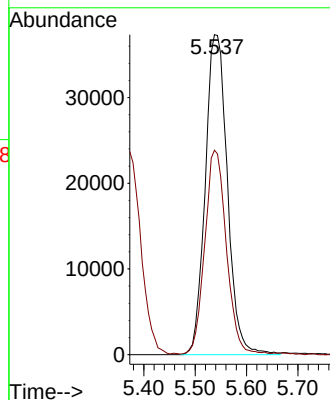
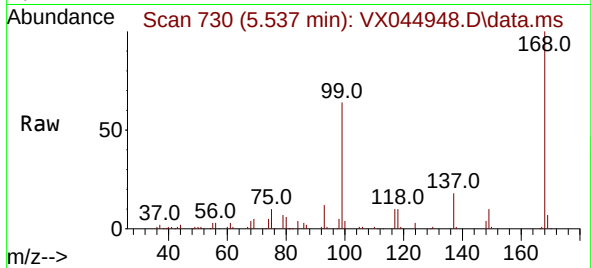




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.537 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

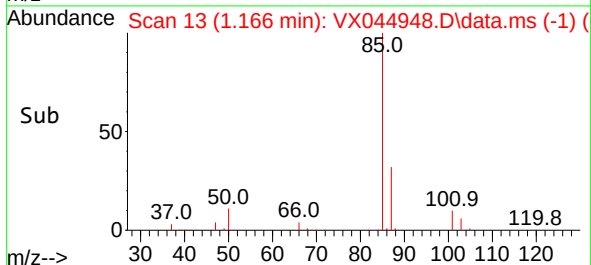
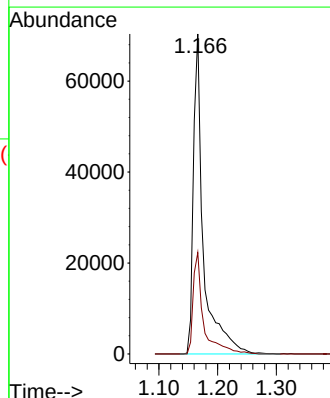
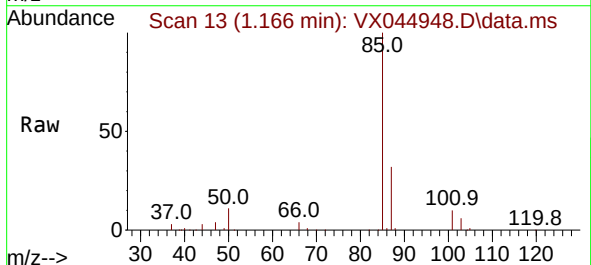
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

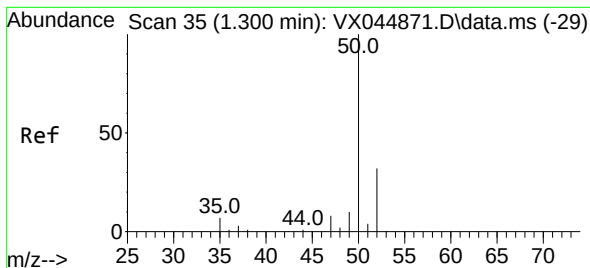
Tgt Ion:168 Resp: 111649
 Ion Ratio Lower Upper
 168 100
 99 63.7 51.2 76.8



#2
 Dichlorodifluoromethane
 Concen: 53.216 ug/l
 RT: 1.166 min Scan# 13
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

Tgt Ion: 85 Resp: 83333
 Ion Ratio Lower Upper
 85 100
 87 31.7 15.8 47.3





#3

Chloromethane

Concen: 50.063 ug/l

RT: 1.300 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

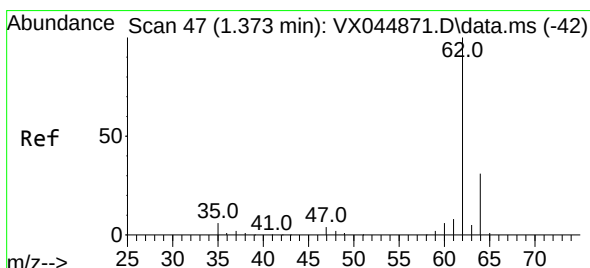
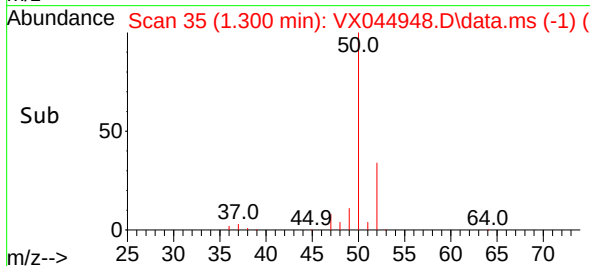
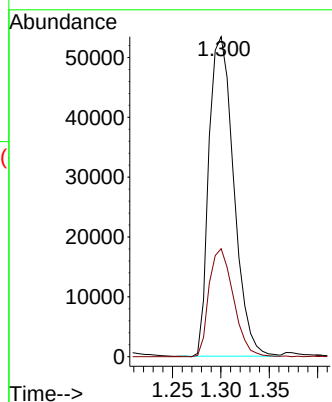
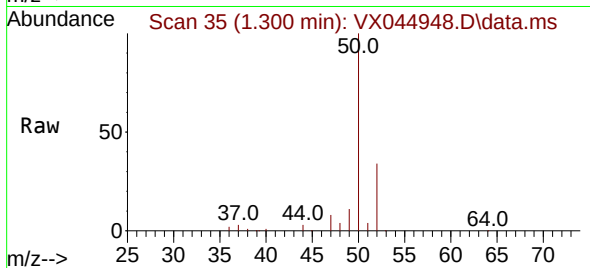
VSTDCCC050

Tgt Ion: 50 Resp: 95413

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



#4

Vinyl Chloride

Concen: 48.568 ug/l

RT: 1.373 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044948.D

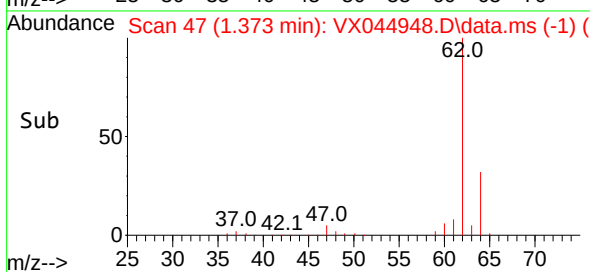
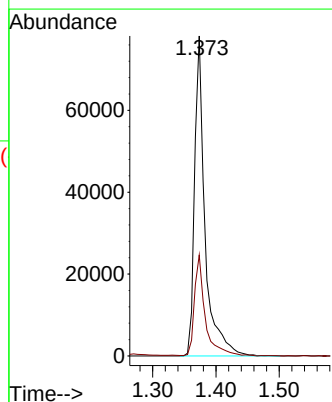
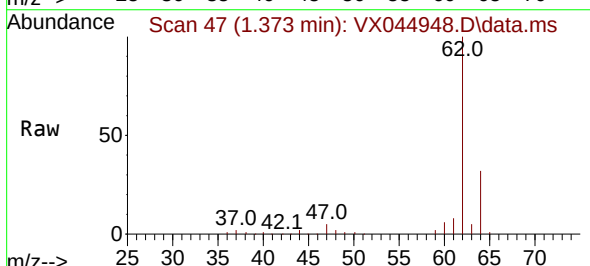
Acq: 14 Feb 2025 10:04

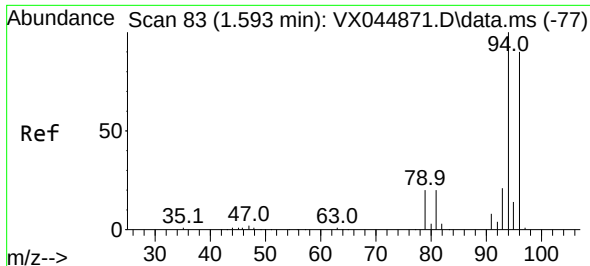
Tgt Ion: 62 Resp: 89675

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0

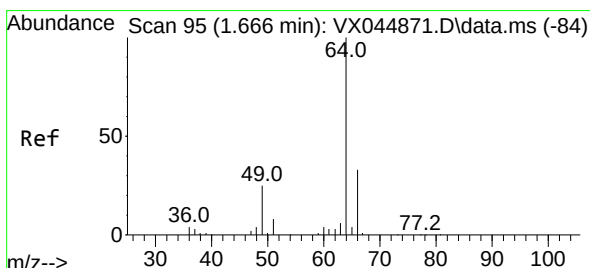
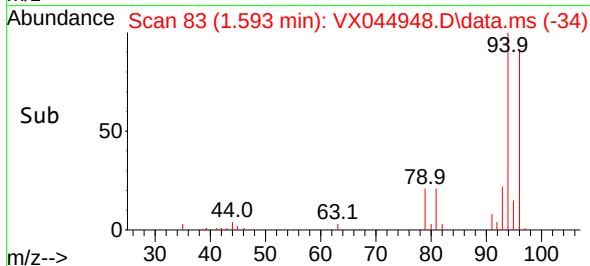
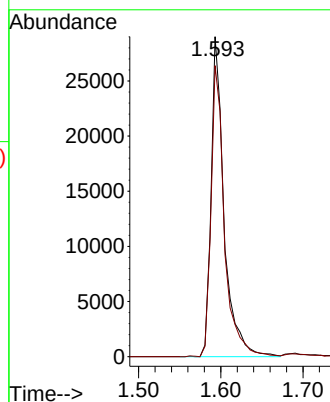
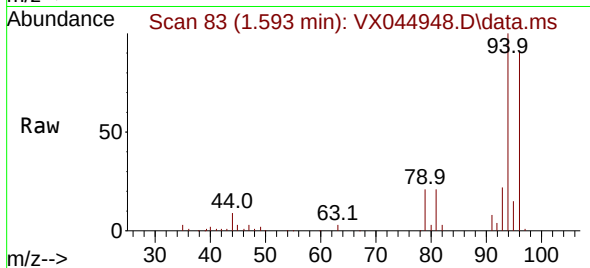




#5
Bromomethane
Concen: 57.519 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

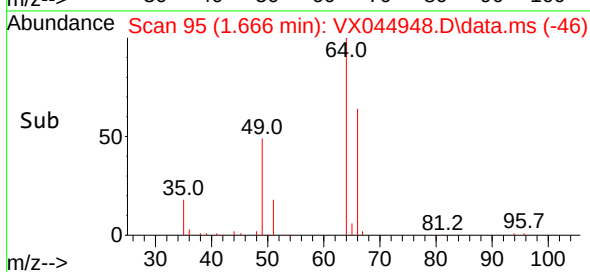
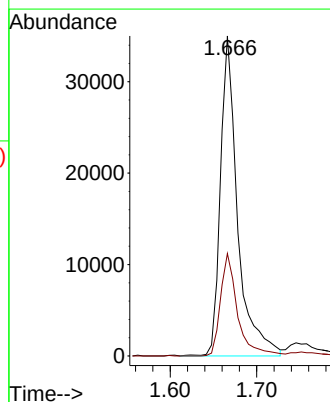
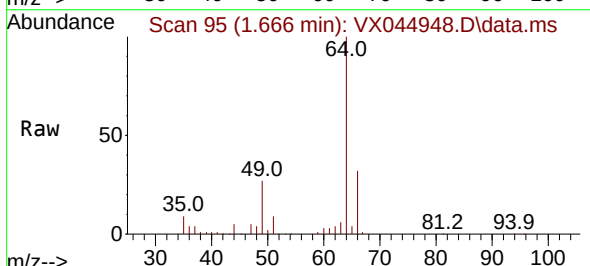
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

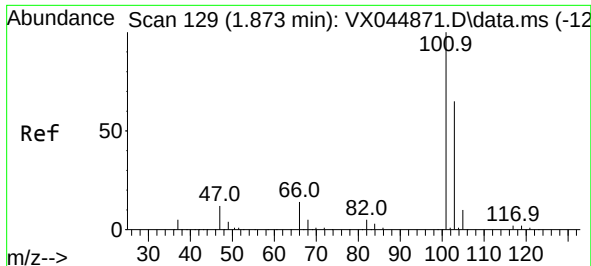
Tgt Ion: 94 Resp: 31780
Ion Ratio Lower Upper
94 100
96 91.0 71.6 107.4



#6
Chloroethane
Concen: 75.147 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 64 Resp: 48225
Ion Ratio Lower Upper
64 100
66 32.0 25.9 38.9

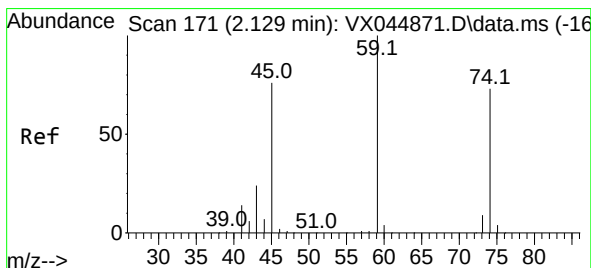
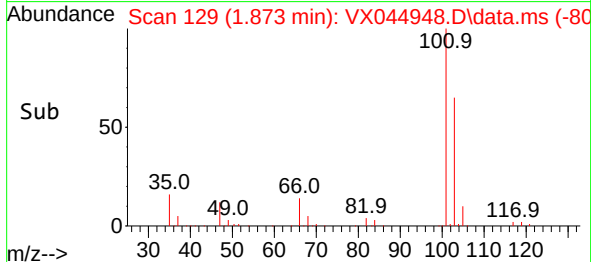
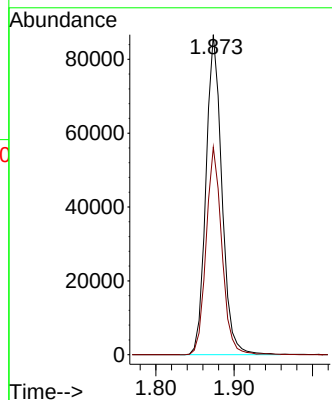
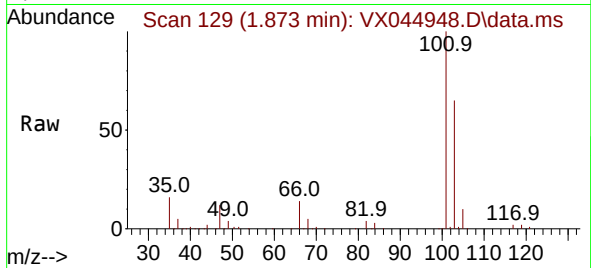




#7
Trichlorofluoromethane
Concen: 52.436 ug/l
RT: 1.873 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

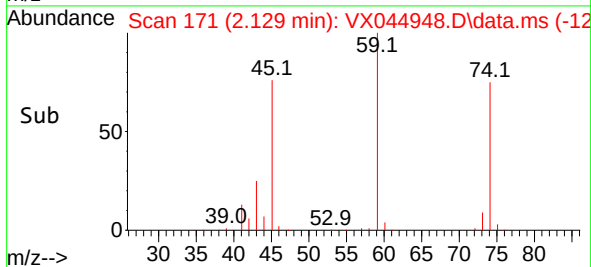
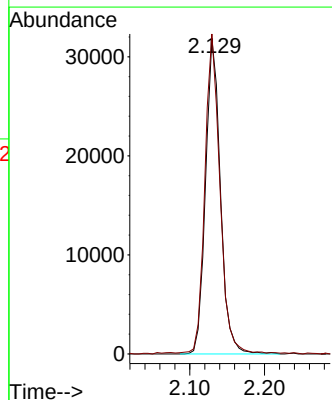
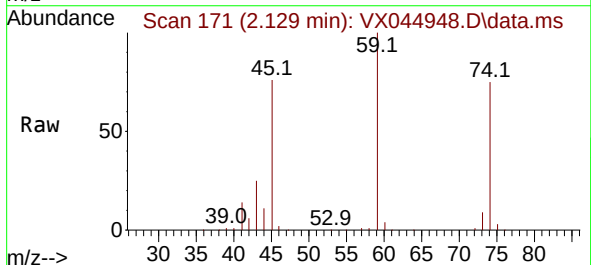
Instrument :
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ClientSampleId :
VSTDCCC050

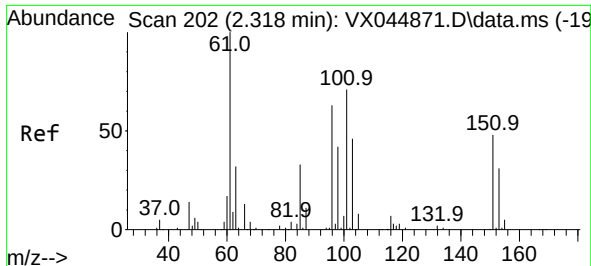
Tgt Ion:101 Resp: 122436
Ion Ratio Lower Upper
101 100
103 64.9 52.4 78.6



#8
Diethyl Ether
Concen: 52.000 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 74 Resp: 44034
Ion Ratio Lower Upper
74 100
45 103.4 51.1 153.4

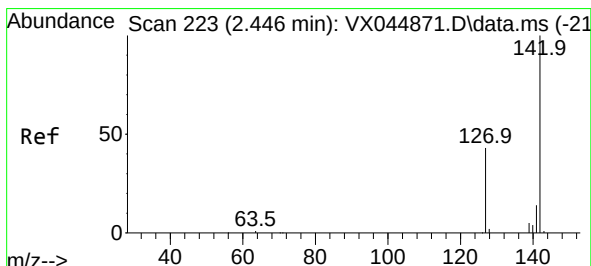
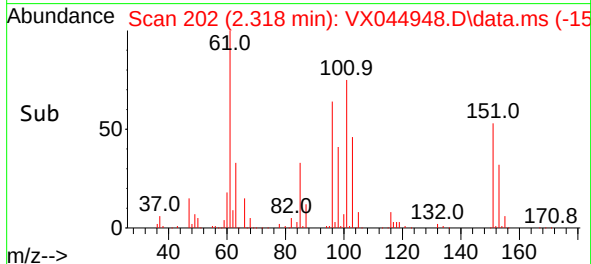
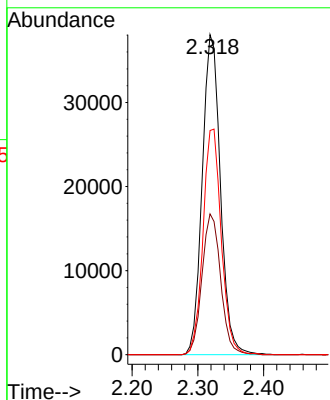
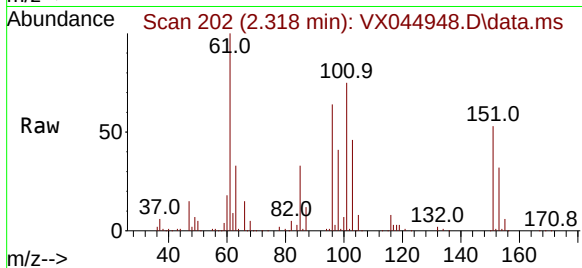




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.947 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

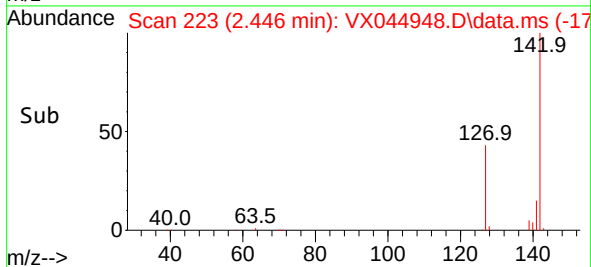
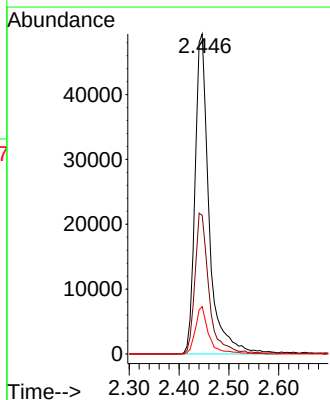
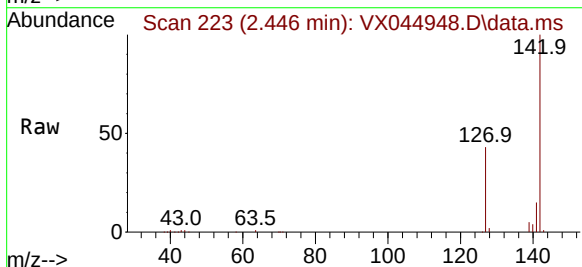
Instrument :
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ClientSampleId :
VSTDCCC050

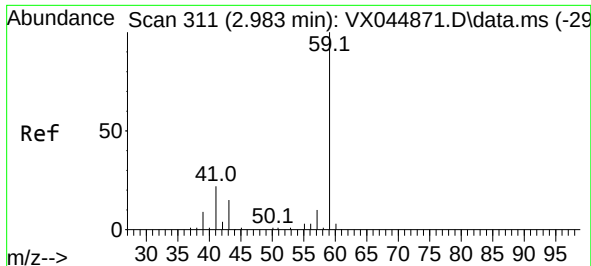
Tgt Ion:101 Resp: 73285
Ion Ratio Lower Upper
101 100
85 45.1 35.7 53.5
151 70.7 56.0 84.0



#10
Methyl Iodide
Concen: 52.995 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:142 Resp: 96895
Ion Ratio Lower Upper
142 100
127 44.3 34.3 51.5
141 14.1 11.4 17.2

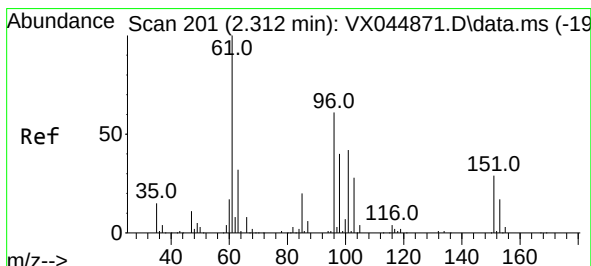
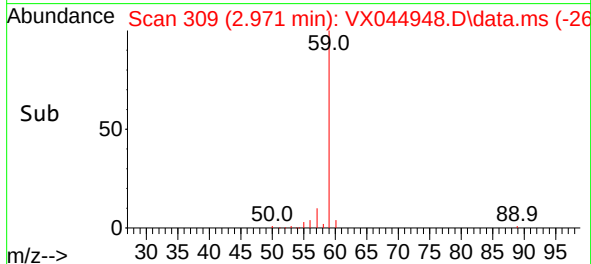
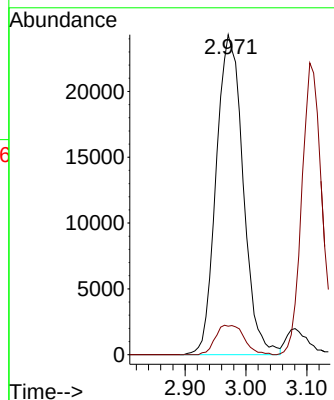
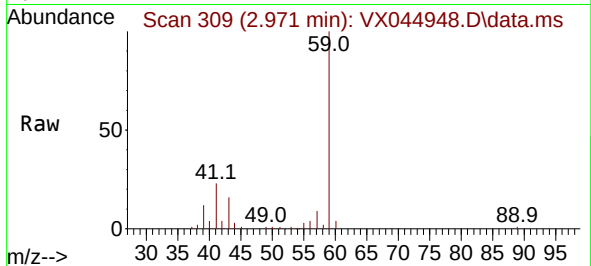




#11
Tert butyl alcohol
Concen: 245.988 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

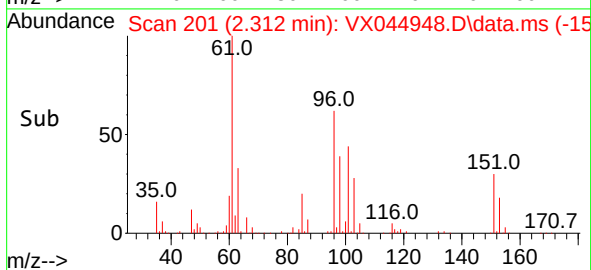
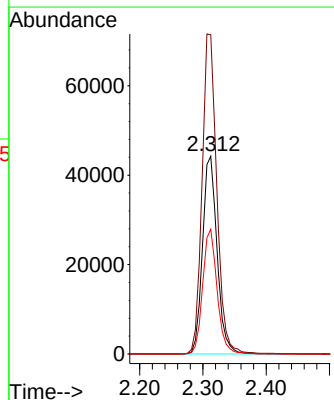
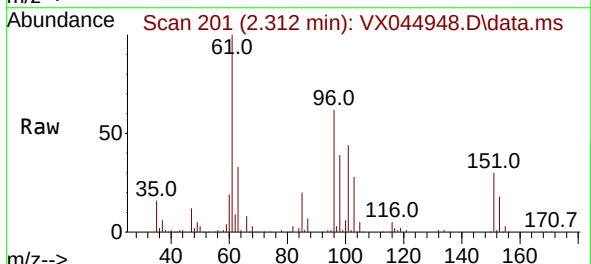
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

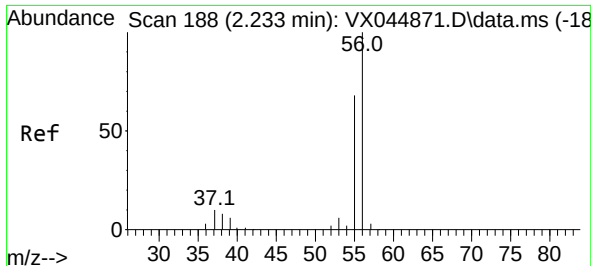
Tgt Ion: 59 Resp: 74583
Ion Ratio Lower Upper
59 100
57 9.8 8.1 12.1



#12
1,1-Dichloroethene
Concen: 49.386 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 96 Resp: 71069
Ion Ratio Lower Upper
96 100
61 161.4 130.2 195.4
98 63.1 52.2 78.4

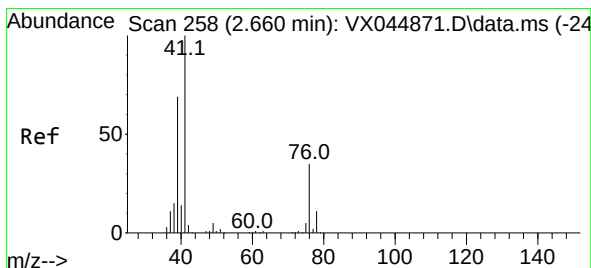
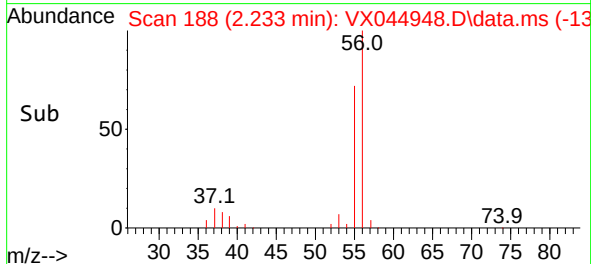
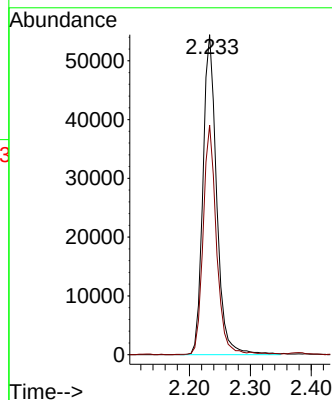
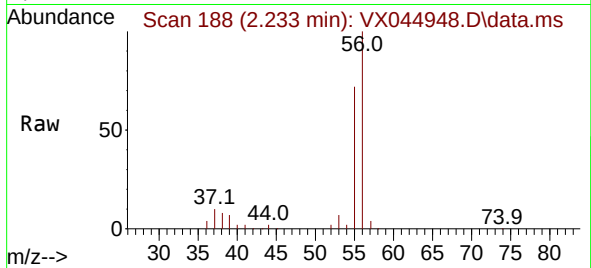




#13
Acrolein
Concen: 272.483 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

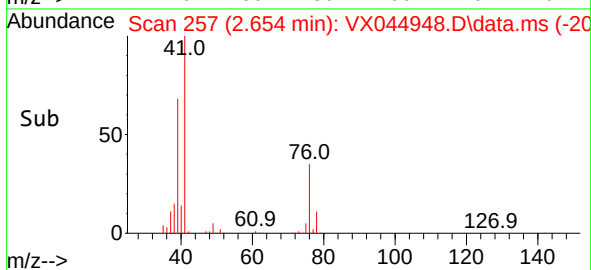
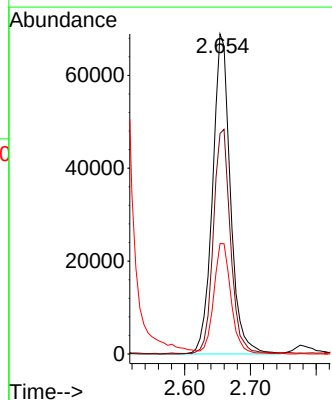
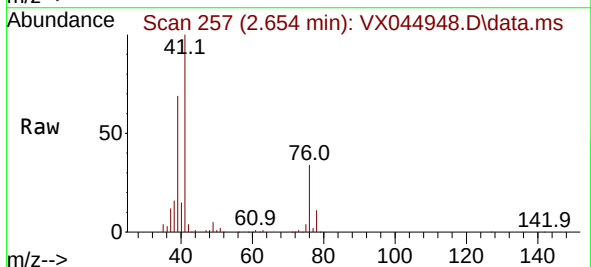
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

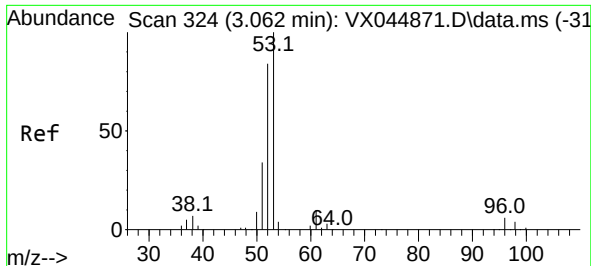
Tgt Ion: 56 Resp: 85239
Ion Ratio Lower Upper
56 100
55 70.2 55.7 83.5



#14
Allyl chloride
Concen: 50.110 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 41 Resp: 130324
Ion Ratio Lower Upper
41 100
39 67.0 51.4 77.2
76 33.4 27.0 40.4





#15

Acrylonitrile

Concen: 260.443 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

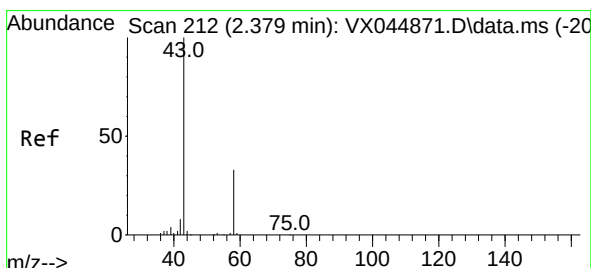
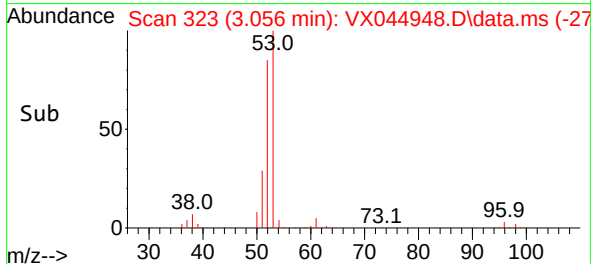
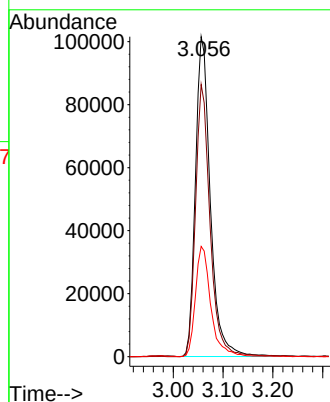
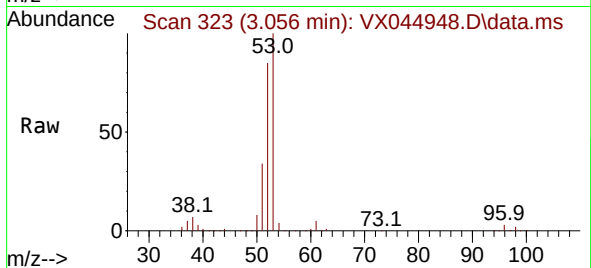
Tgt Ion: 53 Resp: 210836

Ion Ratio Lower Upper

53 100

52 82.9 65.0 97.6

51 35.8 28.0 42.0



#16

Acetone

Concen: 263.641 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044948.D

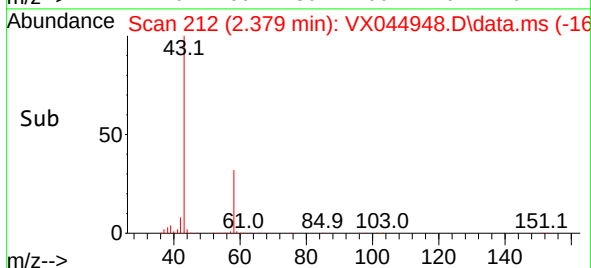
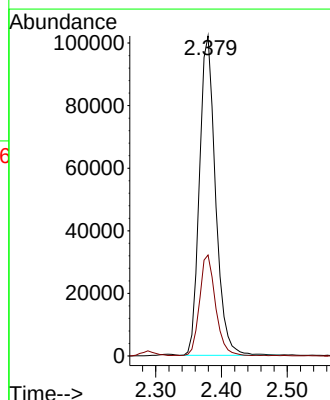
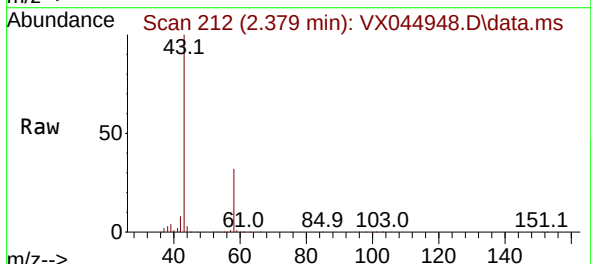
Acq: 14 Feb 2025 10:04

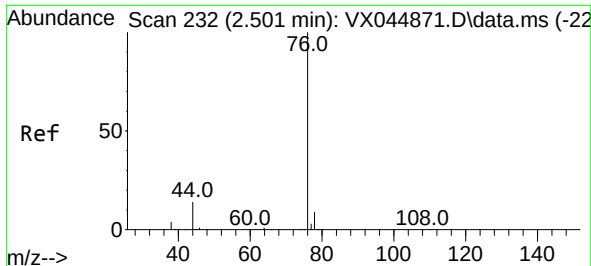
Tgt Ion: 43 Resp: 173217

Ion Ratio Lower Upper

43 100

58 31.5 26.5 39.7

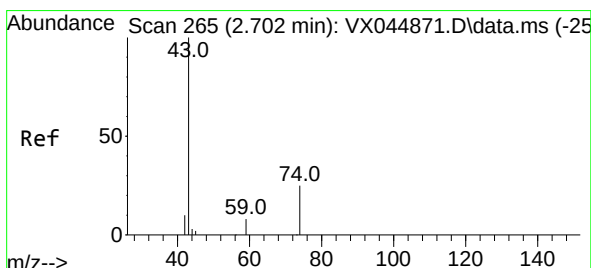
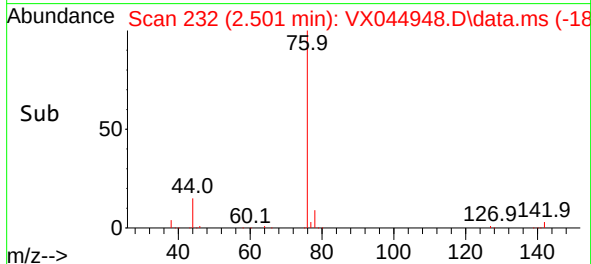
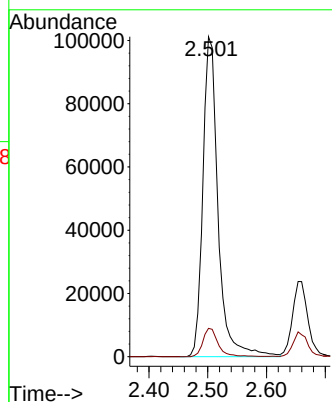
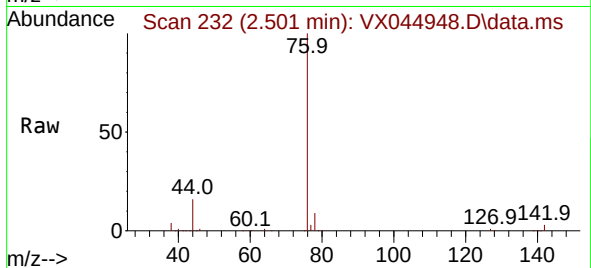




#17
Carbon Disulfide
Concen: 46.138 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

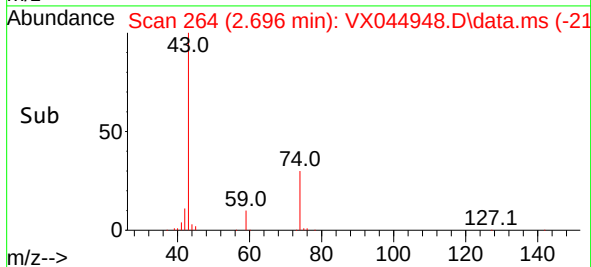
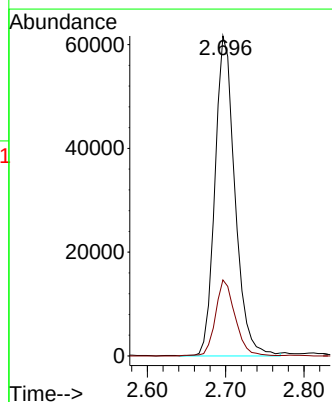
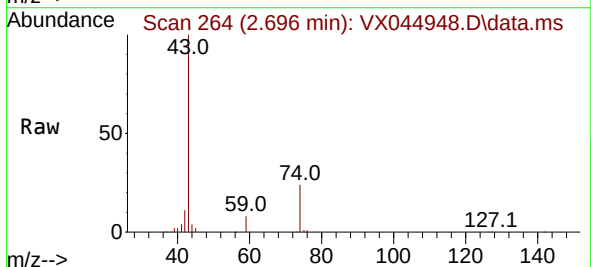
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

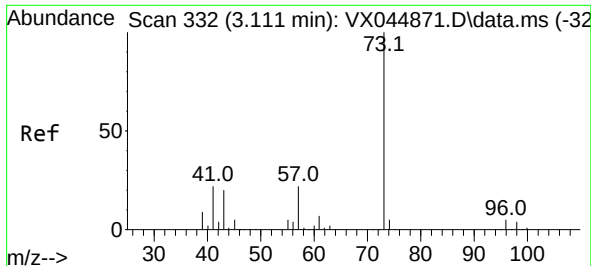
Tgt Ion: 76 Resp: 182069
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 52.872 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 43 Resp: 109619
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3

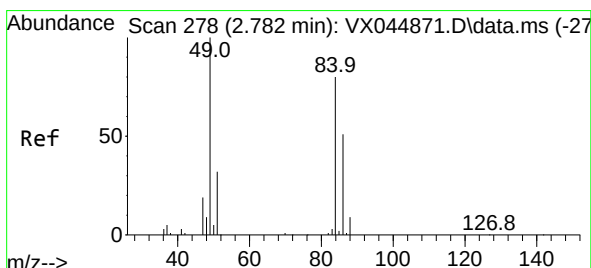
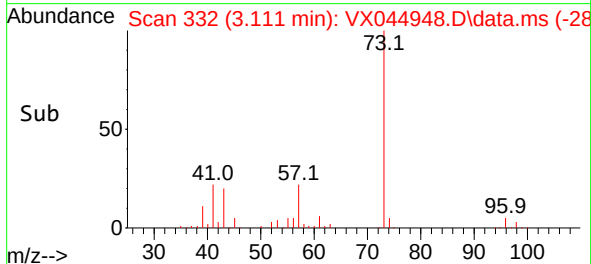
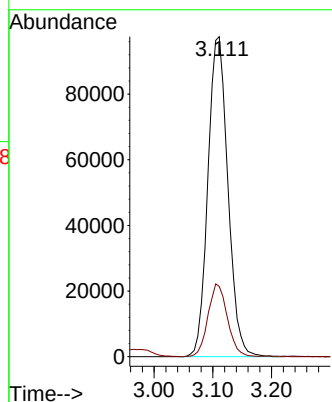
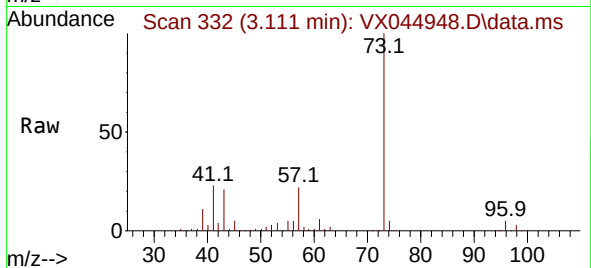




#19
Methyl tert-butyl Ether
Concen: 50.309 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

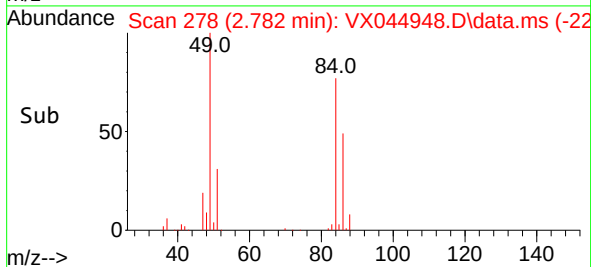
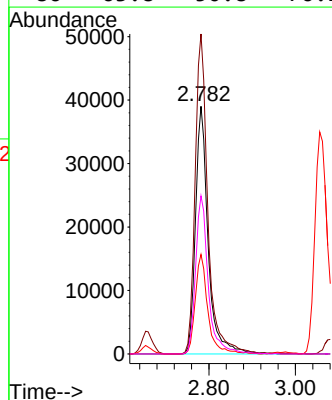
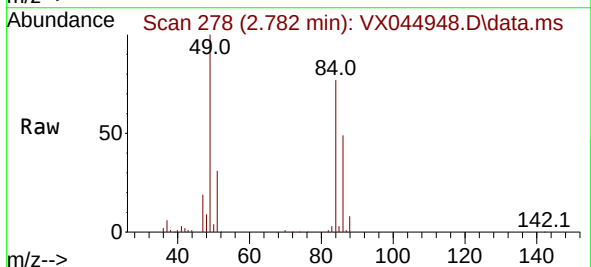
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

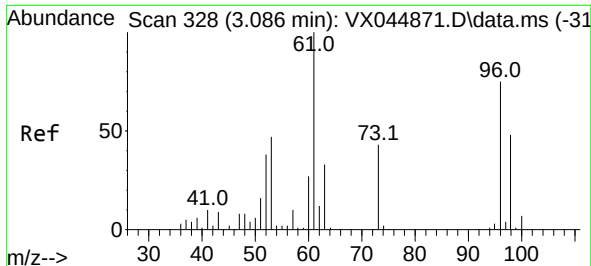
Tgt Ion: 73 Resp: 230346
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9



#20
Methylene Chloride
Concen: 49.206 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 84 Resp: 79188
Ion Ratio Lower Upper
84 100
49 129.2 100.1 150.1
51 40.2 31.7 47.5
86 63.8 50.8 76.2

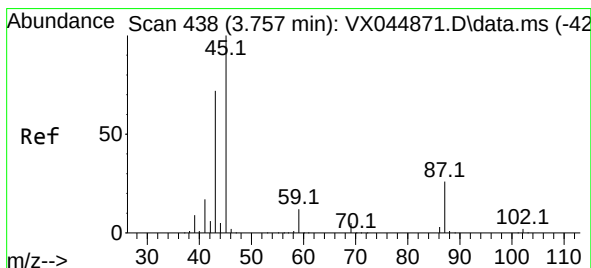
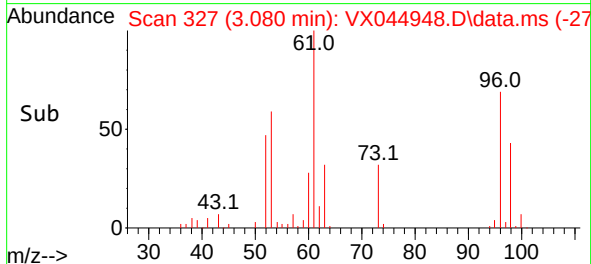
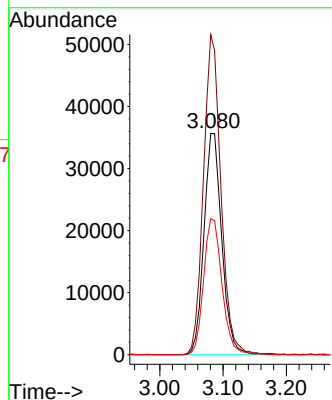
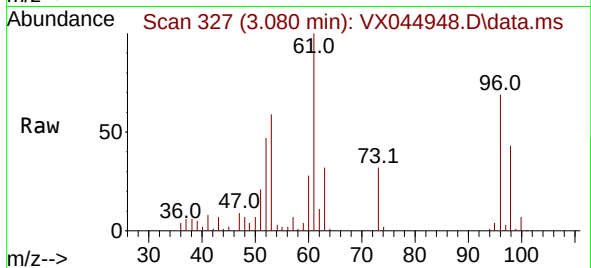




#21
trans-1,2-Dichloroethene
Concen: 49.443 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

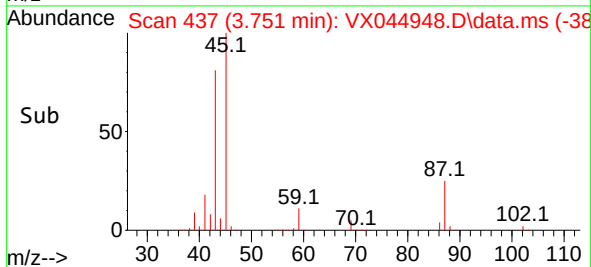
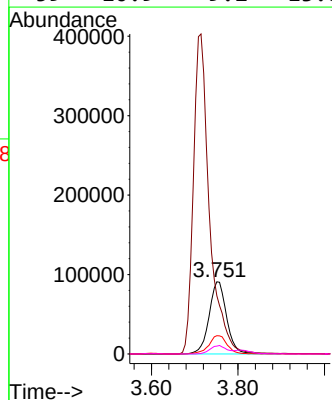
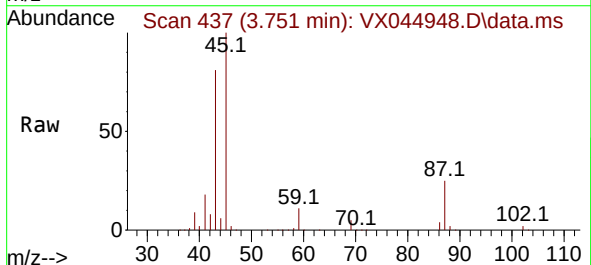
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

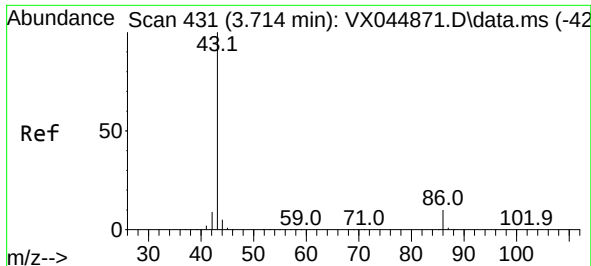
Tgt Ion: 96 Resp: 70029
Ion Ratio Lower Upper
96 100
61 144.6 106.0 159.0
98 61.5 50.6 76.0



#22
Diisopropyl ether
Concen: 52.025 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 45 Resp: 255981
Ion Ratio Lower Upper
45 100
43 80.5 58.0 87.0
87 25.2 20.7 31.1
59 10.9 9.2 13.8

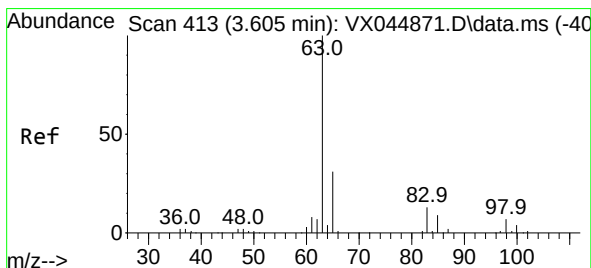
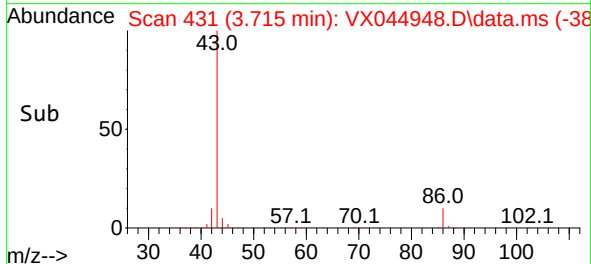
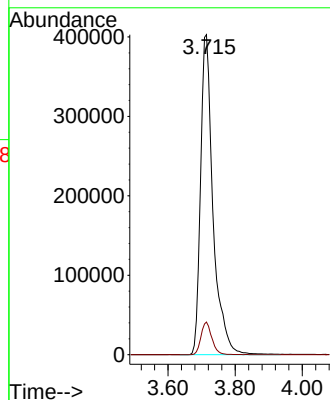
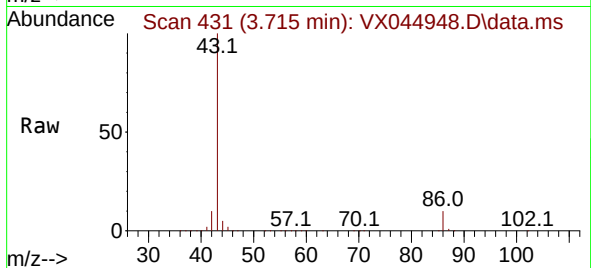




#23
 Vinyl Acetate
 Concen: 259.654 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

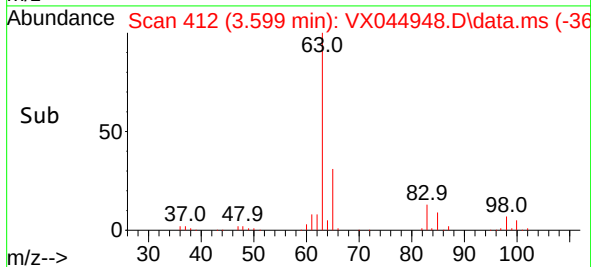
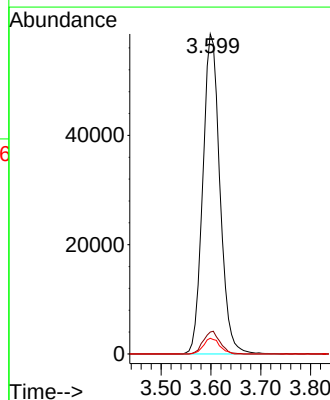
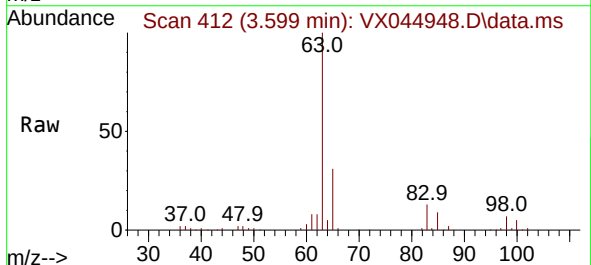
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

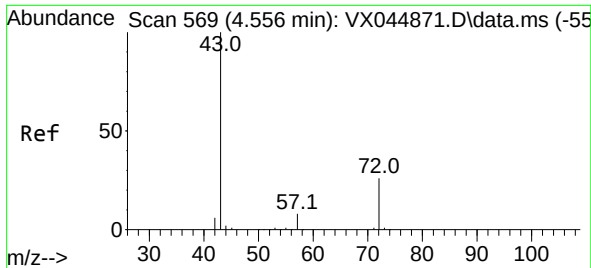
Tgt Ion: 43 Resp: 1041556
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 50.620 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

Tgt Ion: 63 Resp: 139363
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.9 2.1 6.5

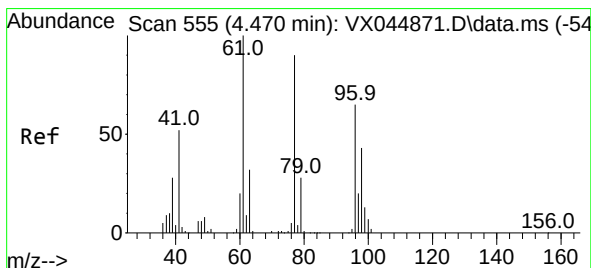
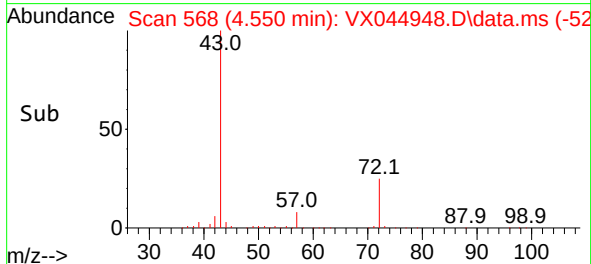
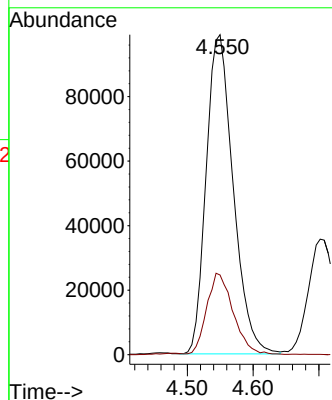
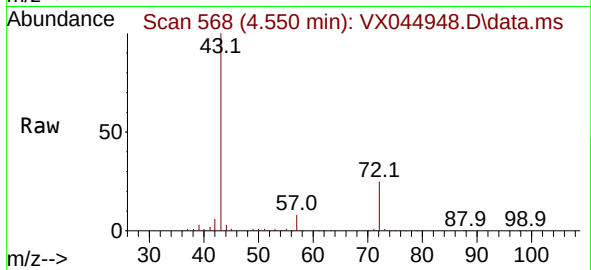




#25
2-Butanone
Concen: 265.167 ug/l
RT: 4.550 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

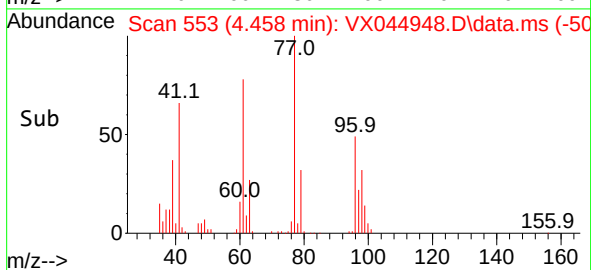
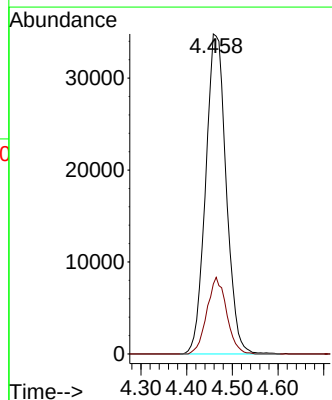
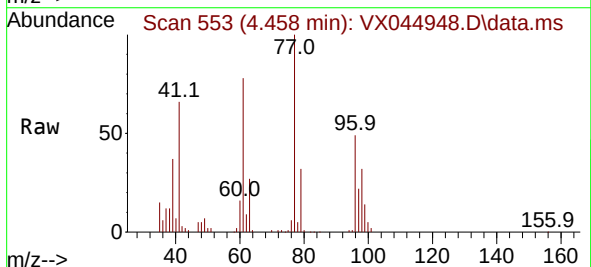
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

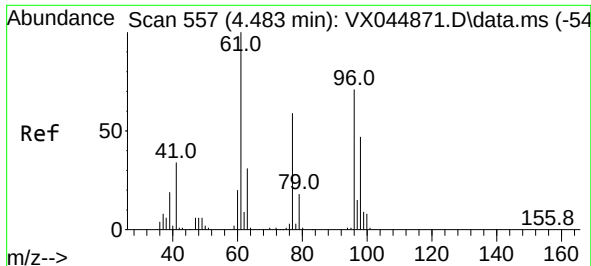
Tgt Ion: 43 Resp: 282901
Ion Ratio Lower Upper
43 100
72 24.8 21.2 31.8



#26
2,2-Dichloropropane
Concen: 49.758 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 77 Resp: 108637
Ion Ratio Lower Upper
77 100
97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.033 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

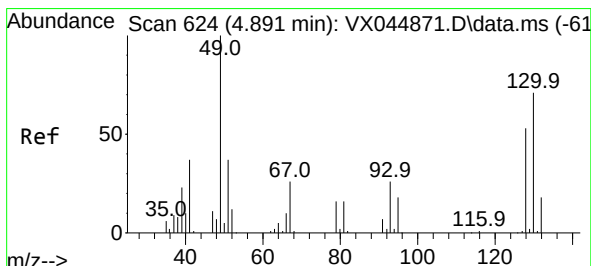
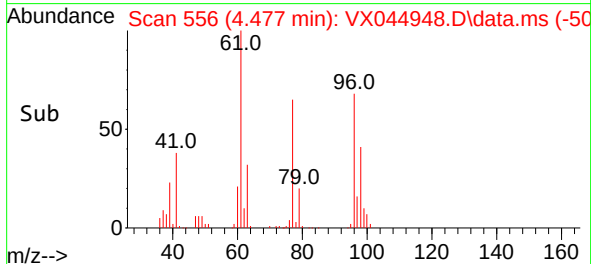
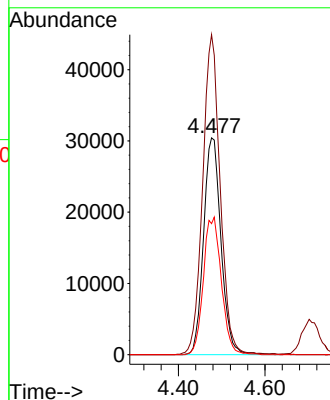
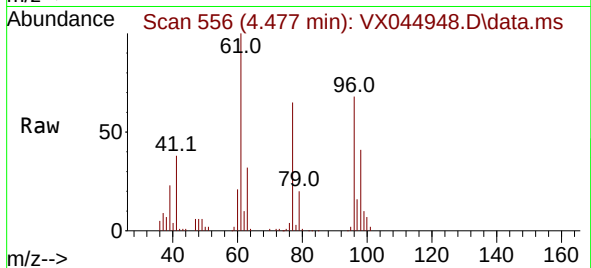
Tgt Ion: 96 Resp: 85121

Ion Ratio Lower Upper

96 100

61 148.2 0.0 294.0

98 65.4 0.0 131.2



#28

Bromochloromethane

Concen: 50.132 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

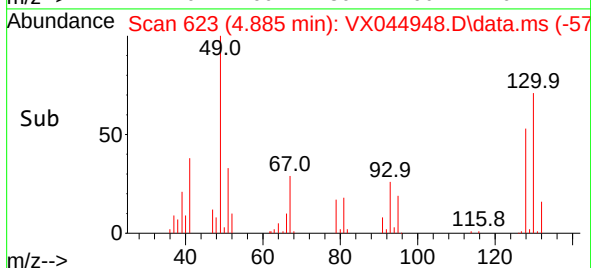
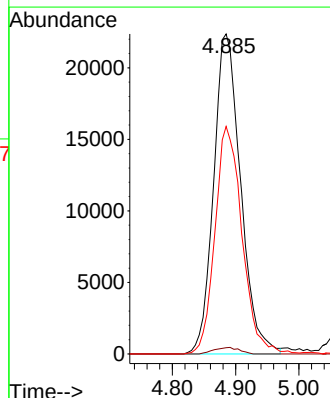
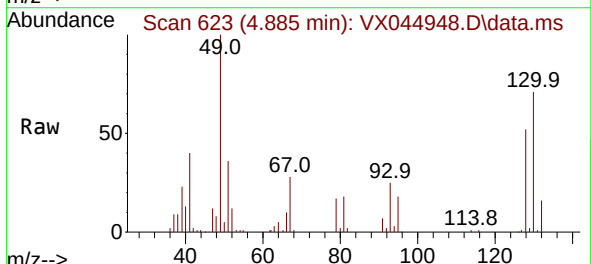
Tgt Ion: 49 Resp: 66328

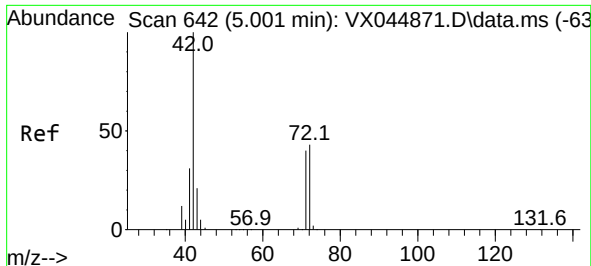
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 71.2 56.7 85.1





#29

Tetrahydrofuran

Concen: 258.456 ug/l

RT: 4.989 min Scan# 64

Delta R.T. -0.012 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

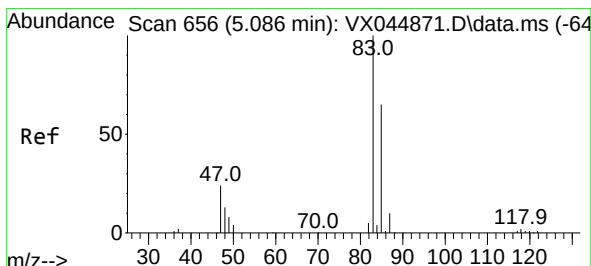
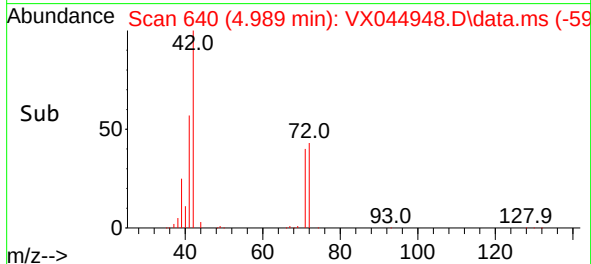
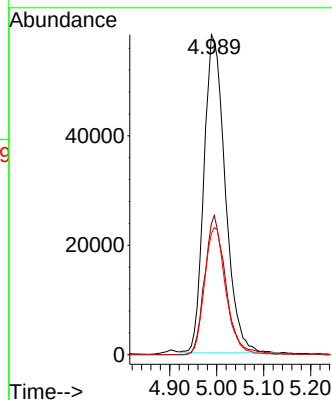
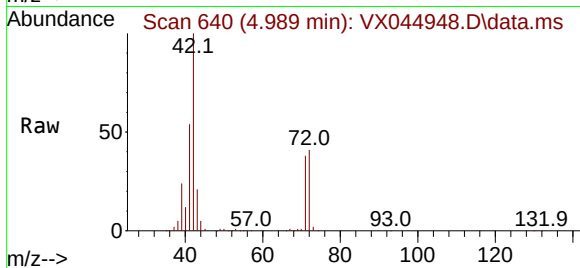
Tgt Ion: 42 Resp: 183098

Ion Ratio Lower Upper

42 100

72 43.2 35.0 52.4

71 40.1 32.6 48.8



#30

Chloroform

Concen: 50.664 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX044948.D

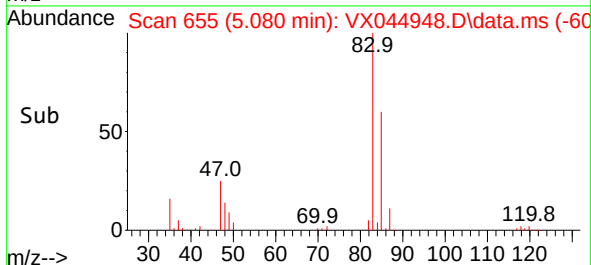
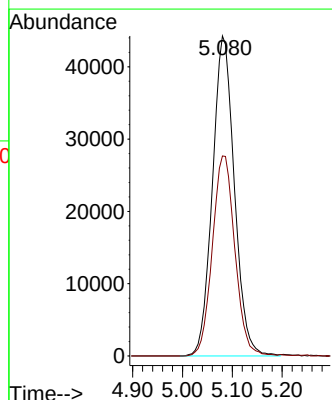
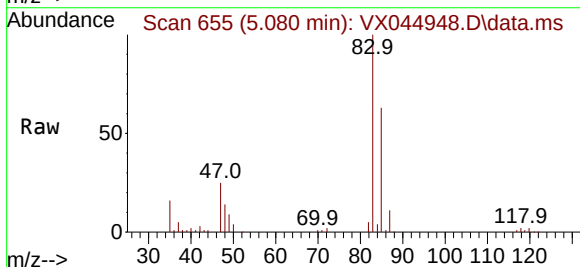
Acq: 14 Feb 2025 10:04

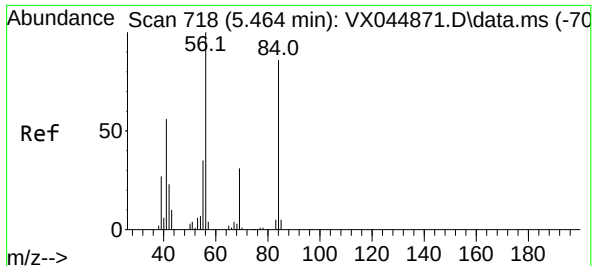
Tgt Ion: 83 Resp: 135270

Ion Ratio Lower Upper

83 100

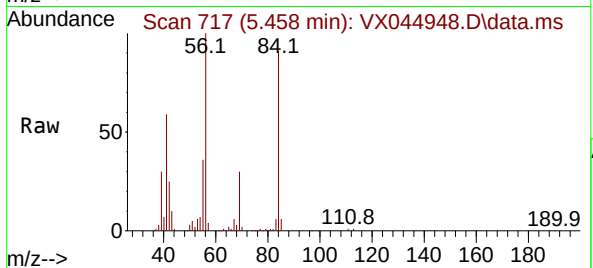
85 62.5 52.1 78.1



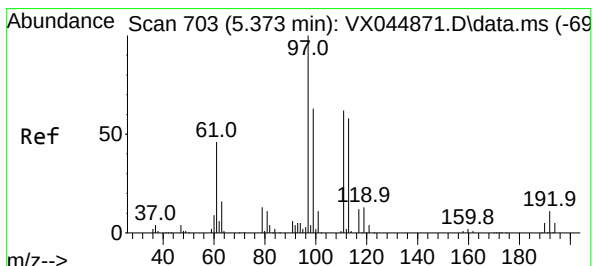
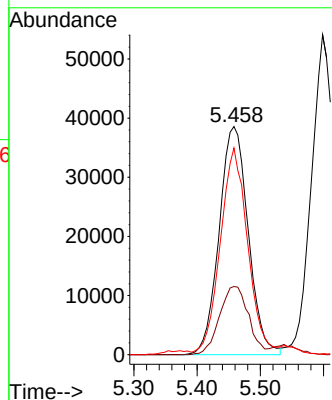
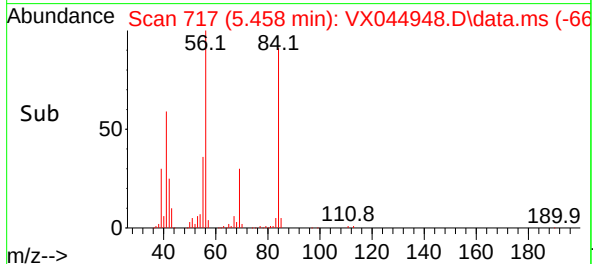


#31
Cyclohexane
Concen: 48.511 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

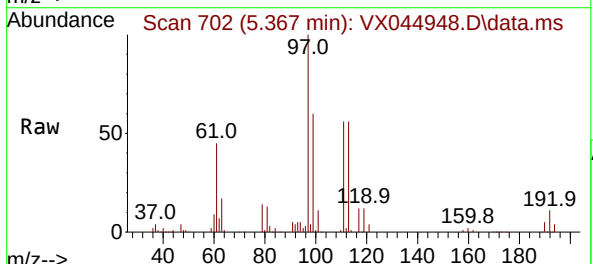
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



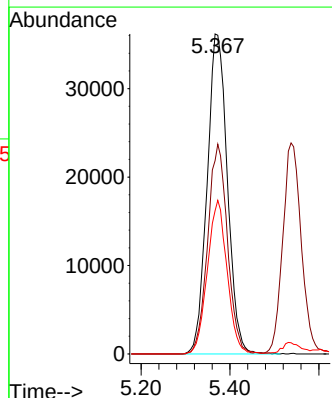
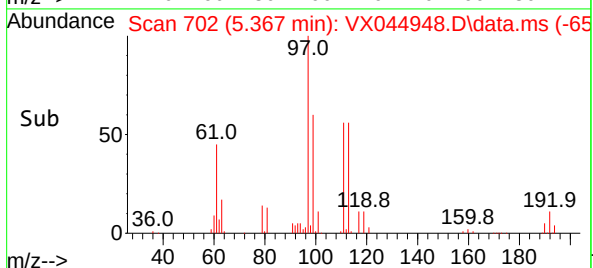
Tgt Ion: 56 Resp: 123125
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 88.8 69.0 103.6

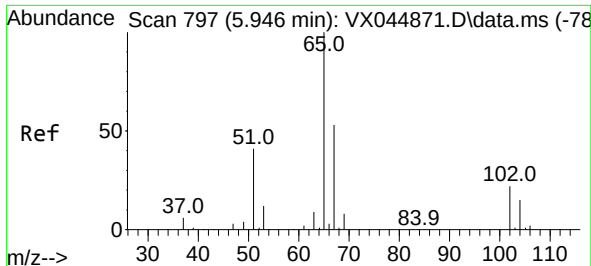


#32
1,1,1-Trichloroethane
Concen: 50.622 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04



Tgt Ion: 97 Resp: 114641
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 46.8 36.6 55.0

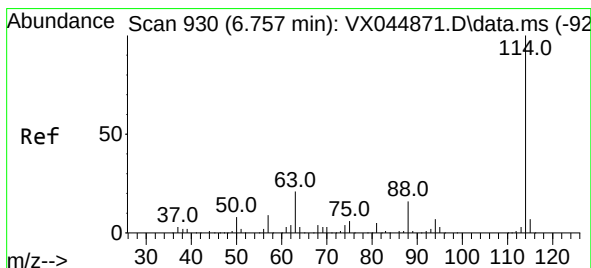
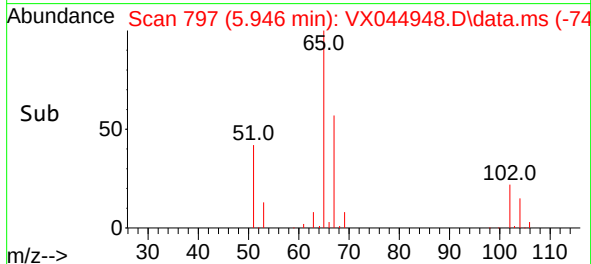
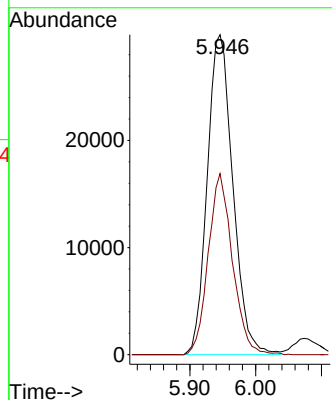
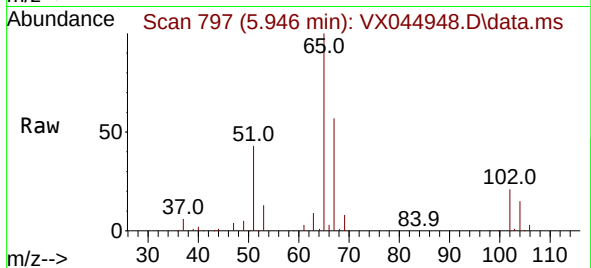




#33
 1,2-Dichloroethane-d4
 Concen: 49.577 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

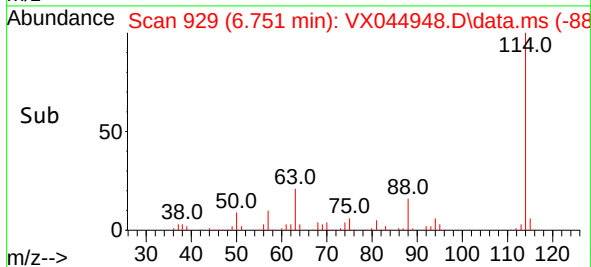
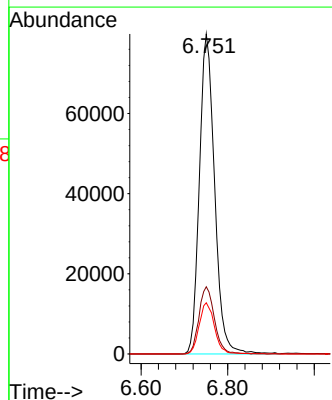
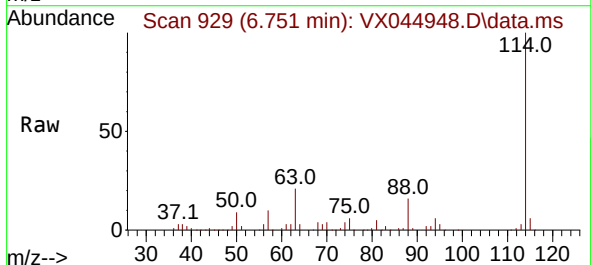
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

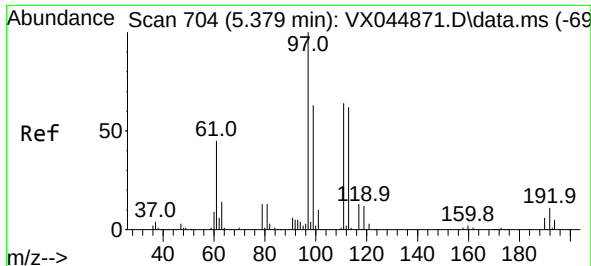
Tgt Ion: 65 Resp: 81025
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. -0.006 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

Tgt Ion: 114 Resp: 194847
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.4
 88 16.0 0.0 31.4

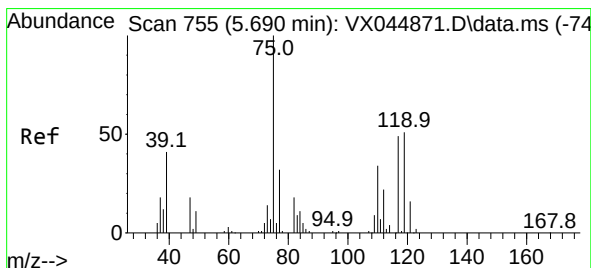
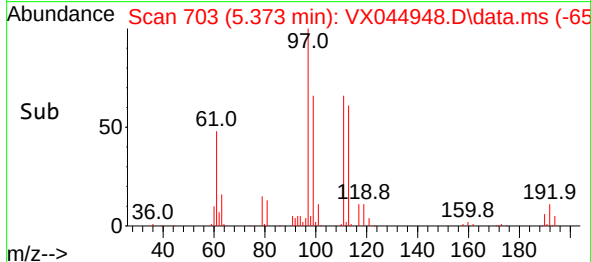
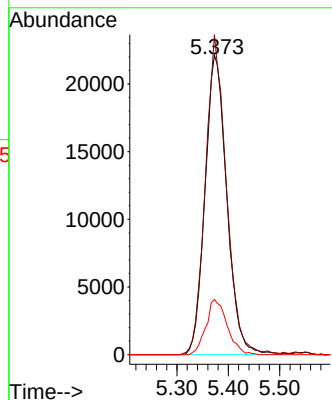
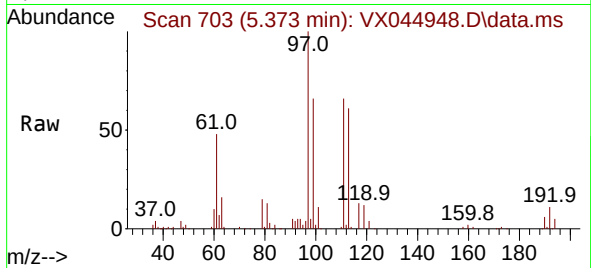




#35
Dibromofluoromethane
Concen: 51.473 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

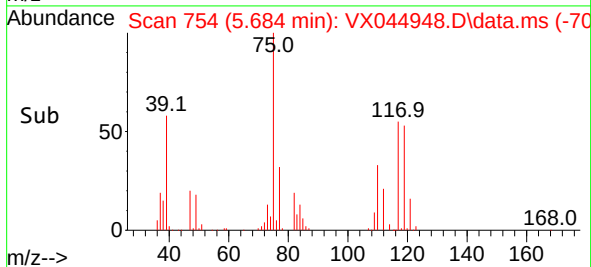
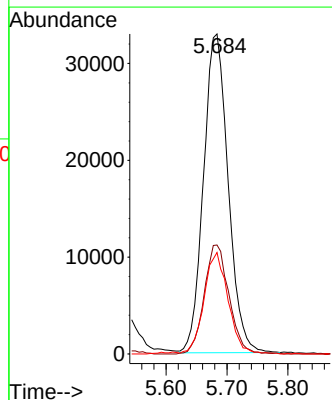
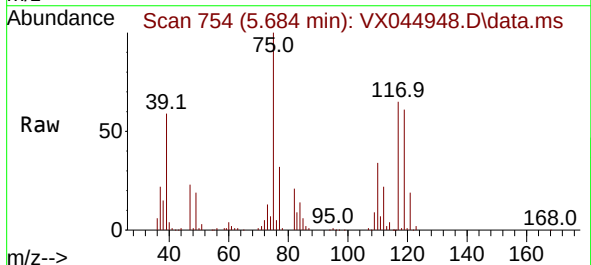
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

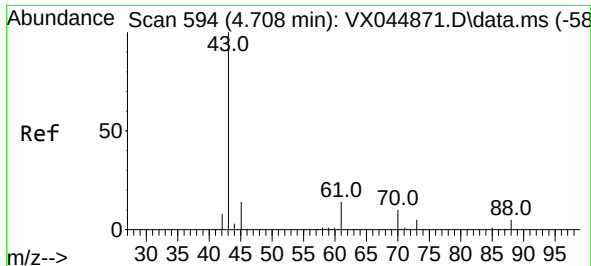
Tgt Ion:113 Resp: 65208
Ion Ratio Lower Upper
113 100
111 103.0 83.5 125.3
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 50.648 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 75 Resp: 92569
Ion Ratio Lower Upper
75 100
110 34.4 17.2 51.6
77 31.2 24.6 37.0





#37

Ethyl Acetate

Concen: 52.854 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

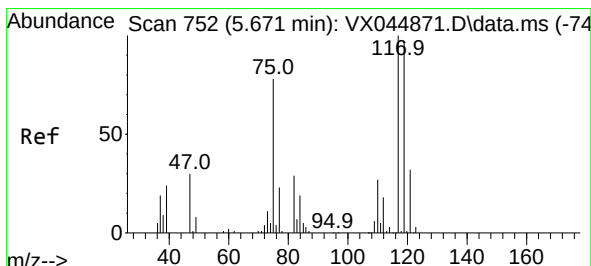
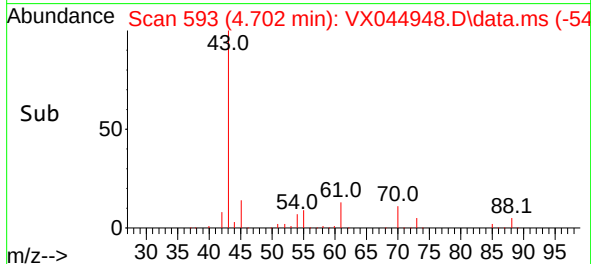
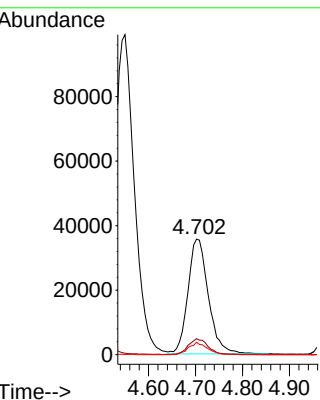
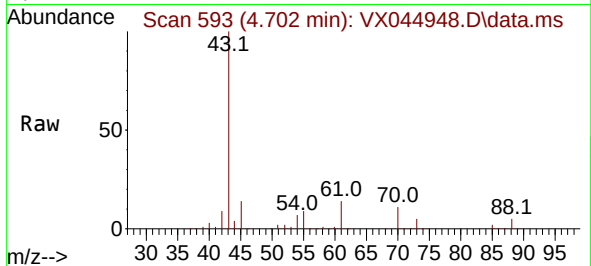
Tgt Ion: 43 Resp: 107447

Ion Ratio Lower Upper

43 100

61 12.8 11.0 16.4

70 9.8 8.2 12.2



#38

Carbon Tetrachloride

Concen: 53.647 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

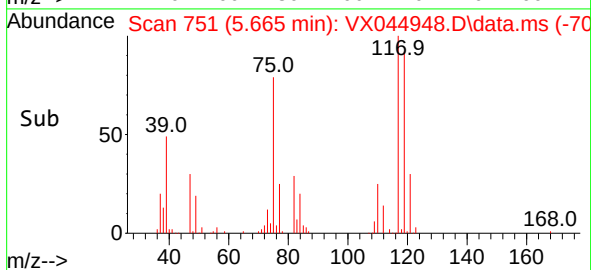
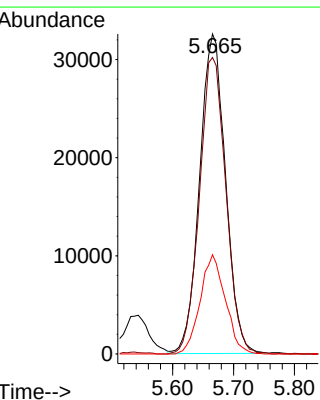
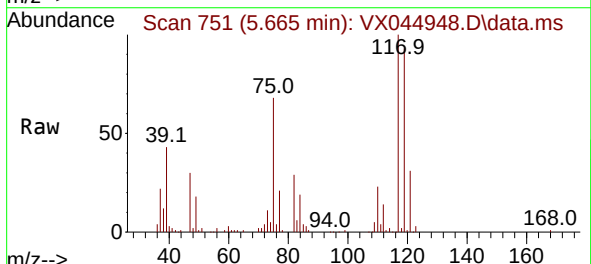
Tgt Ion: 117 Resp: 96084

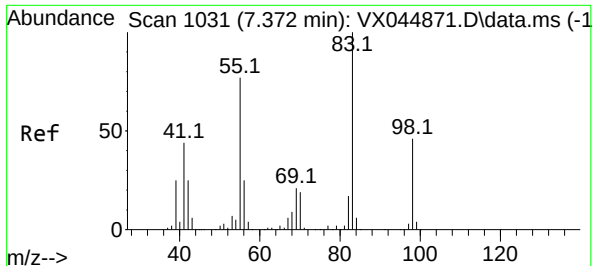
Ion Ratio Lower Upper

117 100

119 92.9 77.5 116.3

121 31.1 25.6 38.4





#39

Methylcyclohexane

Concen: 53.611 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

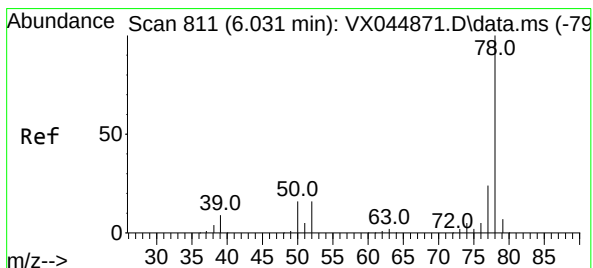
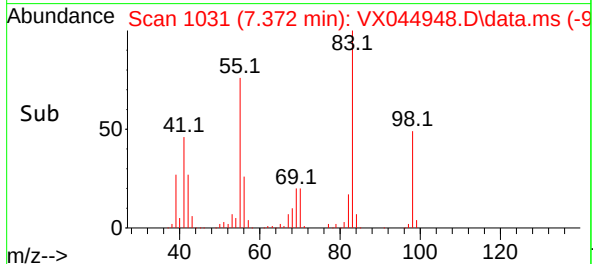
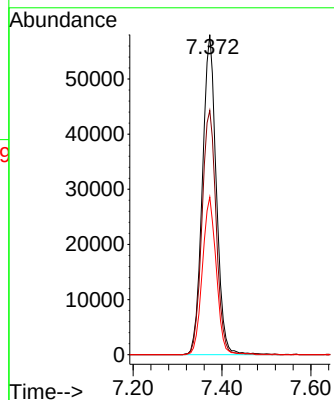
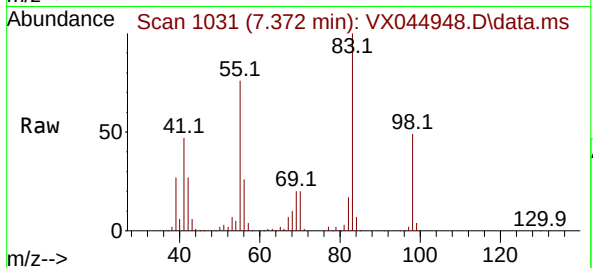
Tgt Ion: 83 Resp: 126678

Ion Ratio Lower Upper

83 100

55 76.3 61.3 91.9

98 49.3 37.0 55.6



#40

Benzene

Concen: 51.720 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044948.D

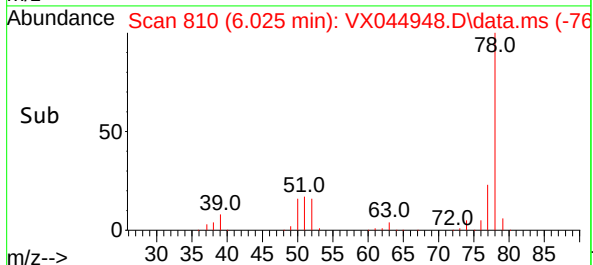
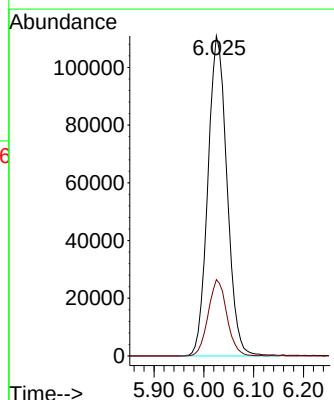
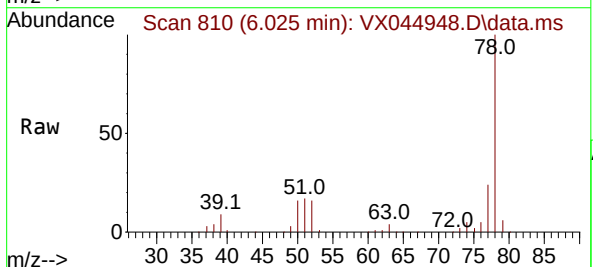
Acq: 14 Feb 2025 10:04

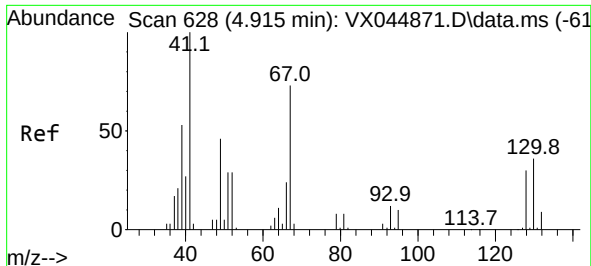
Tgt Ion: 78 Resp: 295171

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



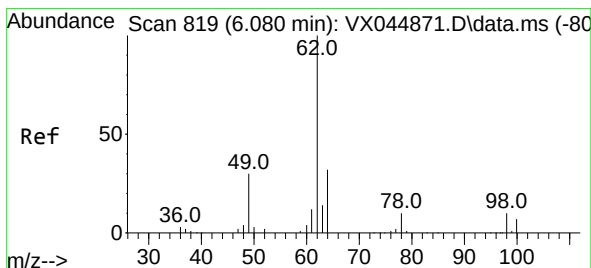
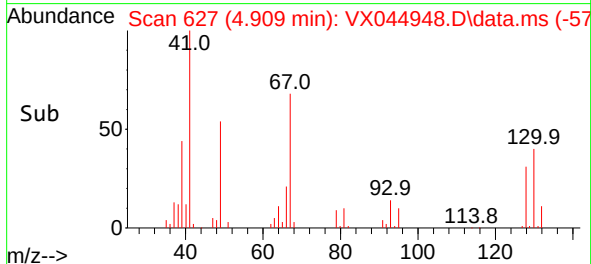
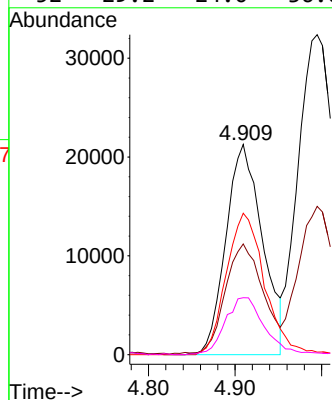
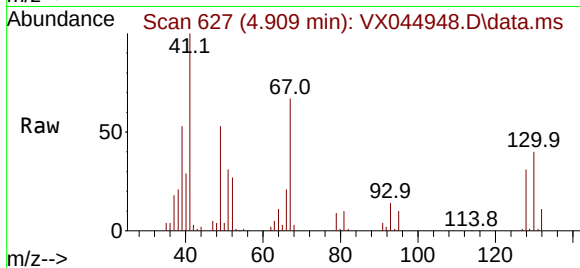


#41
Methacrylonitrile
Concen: 57.439 ug/l
RT: 4.909 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 62502

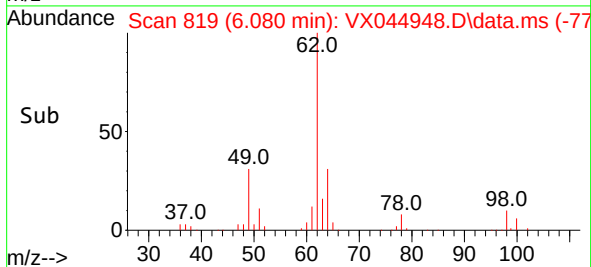
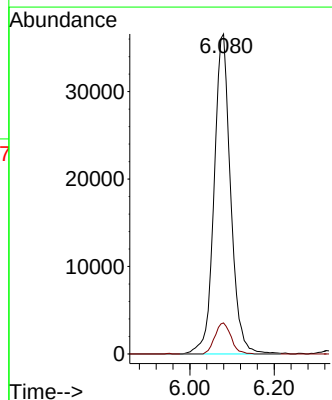
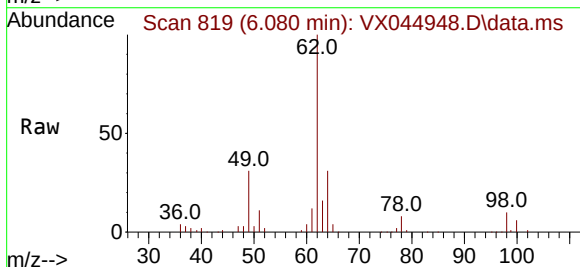
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.1	64.7
67	70.9	57.0	85.6
52	29.2	24.0	36.0

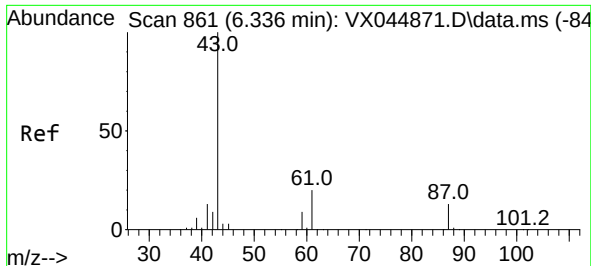


#42
1,2-Dichloroethane
Concen: 54.630 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 62 Resp: 99367

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4

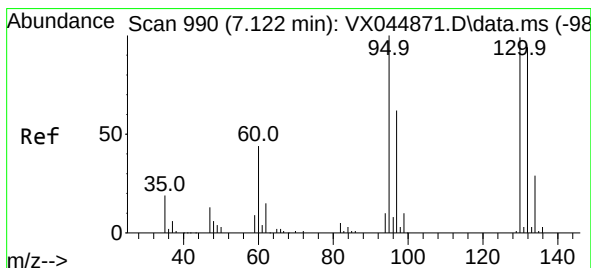
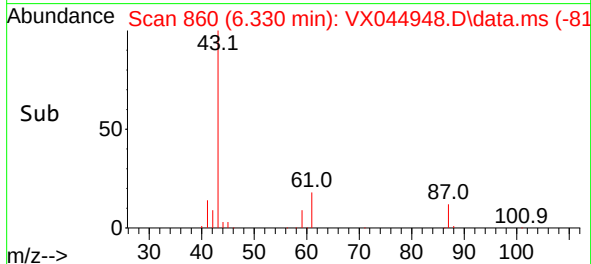
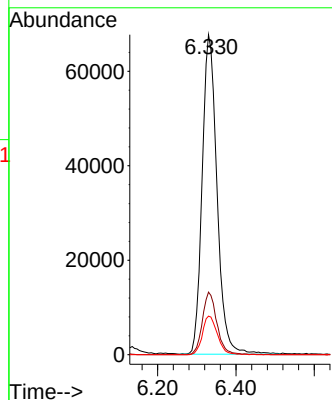
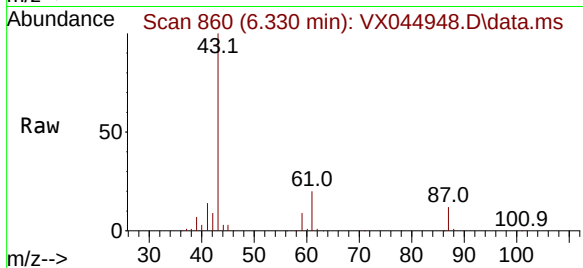




#43
Isopropyl Acetate
Concen: 54.238 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

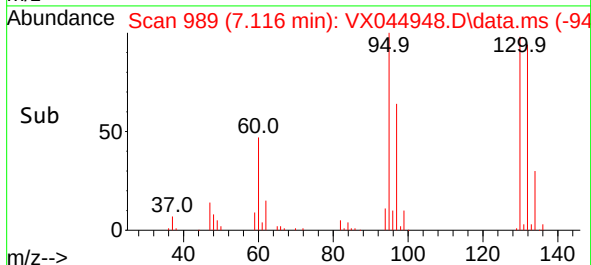
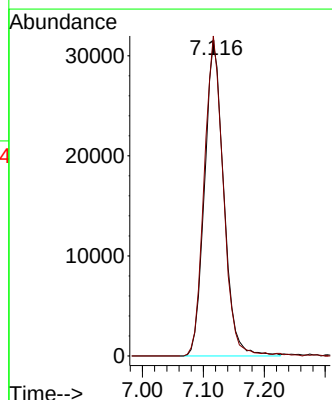
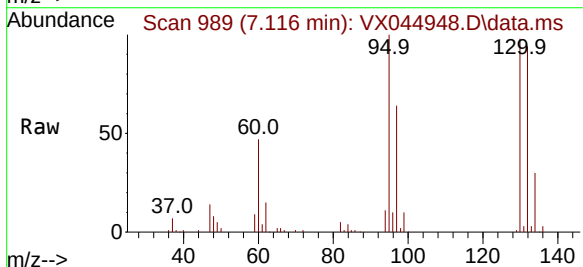
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

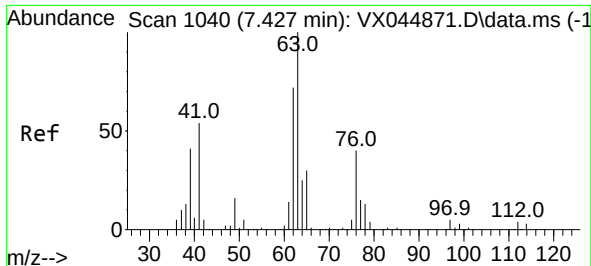
Tgt Ion: 43 Resp: 178056
Ion Ratio Lower Upper
43 100
61 19.1 15.8 23.8
87 12.2 10.0 15.0



#44
Trichloroethene
Concen: 52.686 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:130 Resp: 68729
Ion Ratio Lower Upper
130 100
95 102.1 0.0 202.4

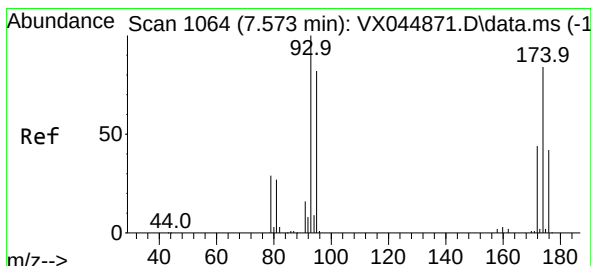
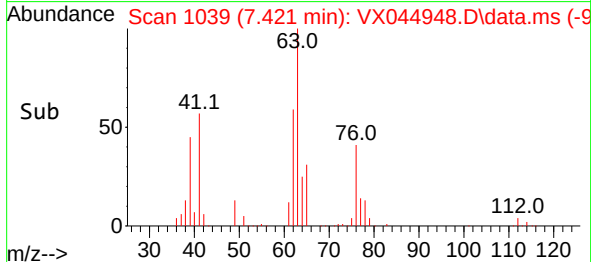
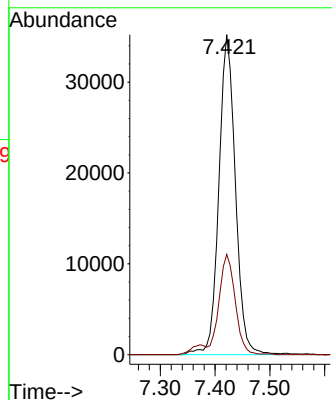
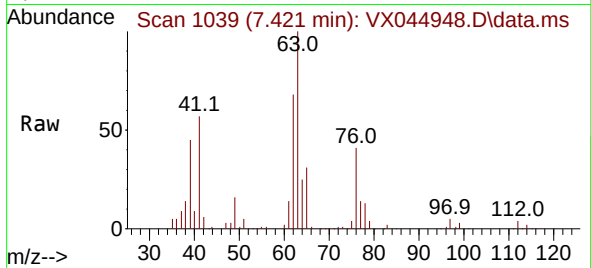




#45
1,2-Dichloropropane
Concen: 52.086 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

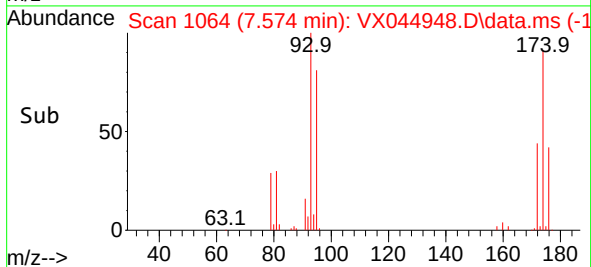
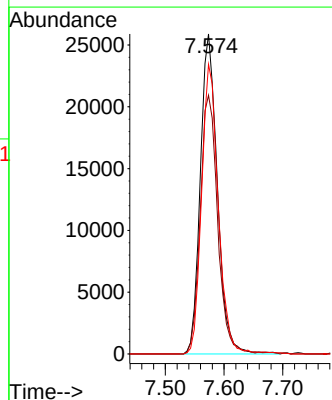
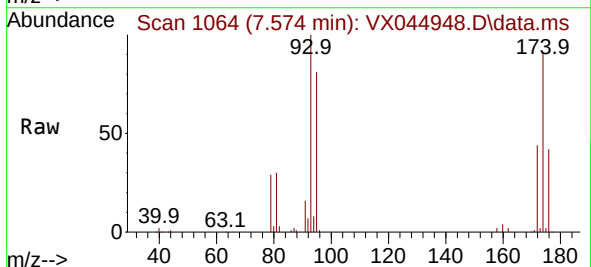
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

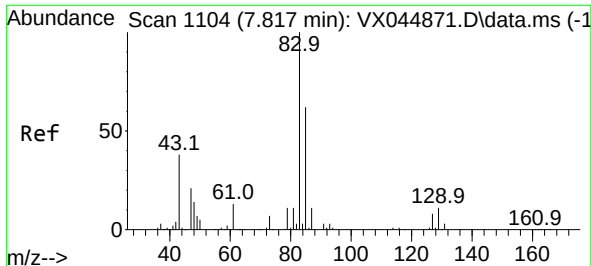
Tgt Ion: 63 Resp: 73954
Ion Ratio Lower Upper
63 100
65 31.4 24.2 36.4



#46
Dibromomethane
Concen: 52.910 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 93 Resp: 52099
Ion Ratio Lower Upper
93 100
95 82.5 66.2 99.4
174 88.5 69.9 104.9

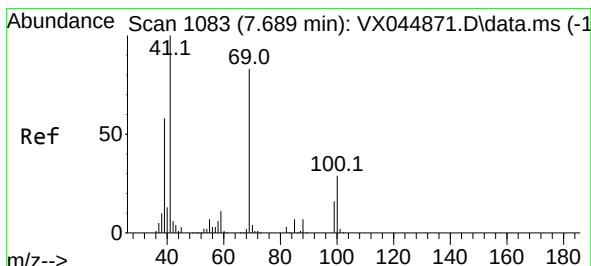
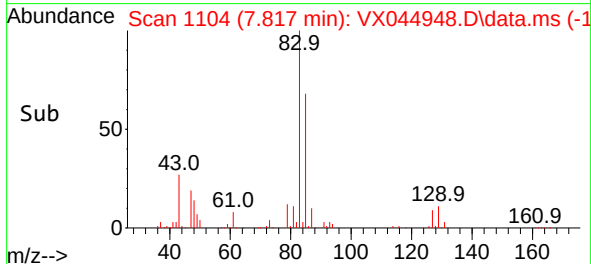
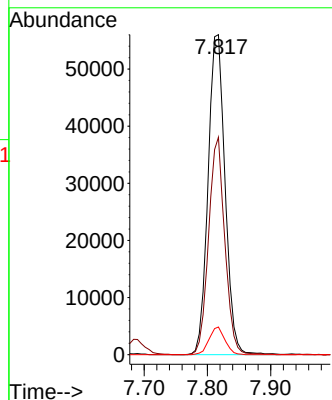
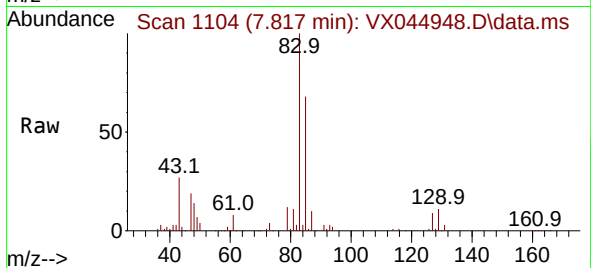




#47
Bromodichloromethane
Concen: 54.897 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

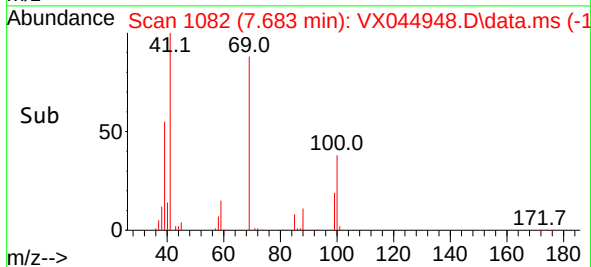
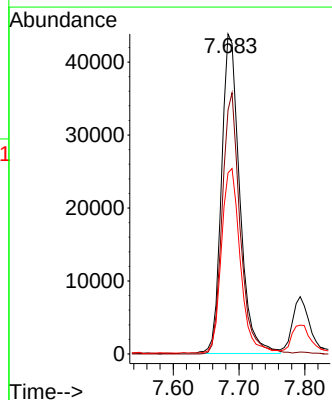
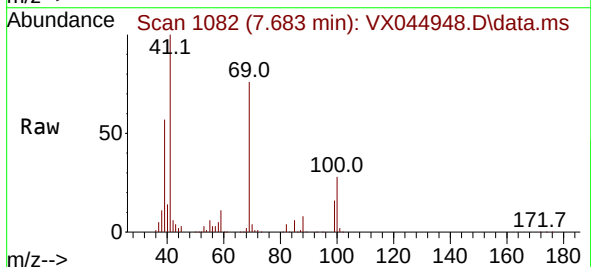
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

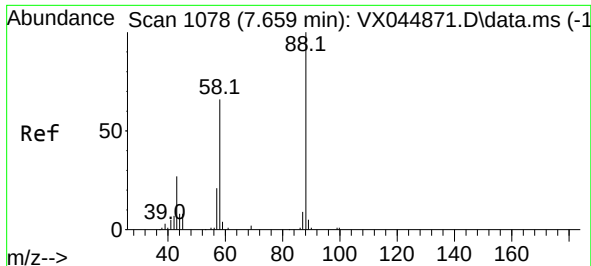
Tgt Ion: 83 Resp: 104667
Ion Ratio Lower Upper
83 100
85 68.0 50.0 75.0
127 8.7 6.4 9.6



#48
Methyl methacrylate
Concen: 54.559 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 41 Resp: 84452
Ion Ratio Lower Upper
41 100
69 80.4 65.8 98.8
39 59.9 46.4 69.6

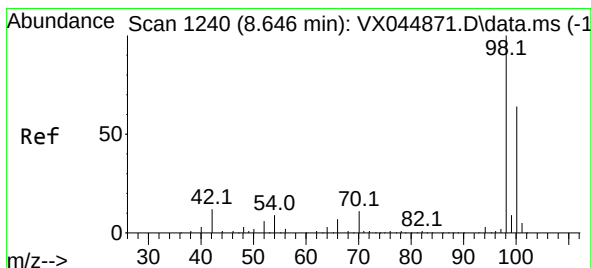
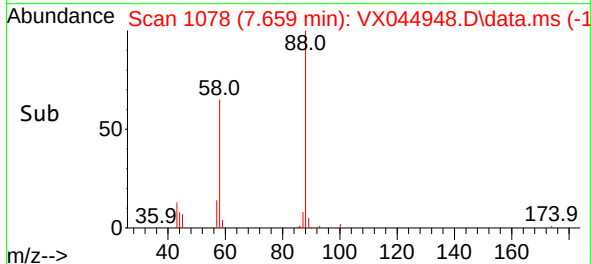
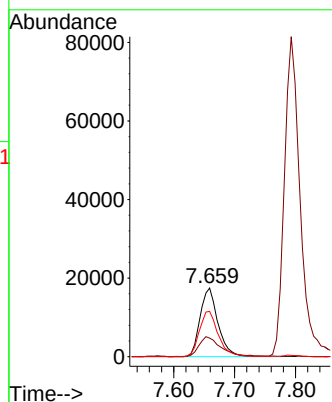
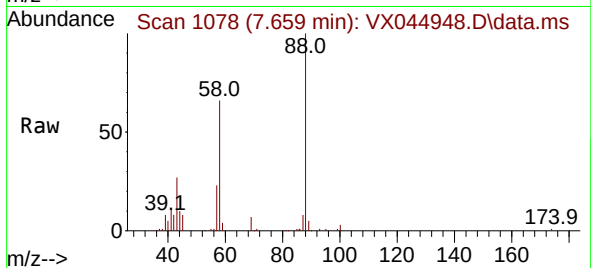




#49
1,4-Dioxane
Concen: 1079.521 ug/l
RT: 7.659 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

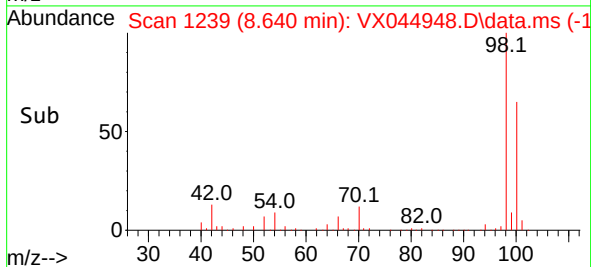
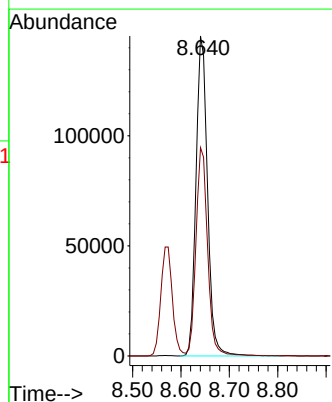
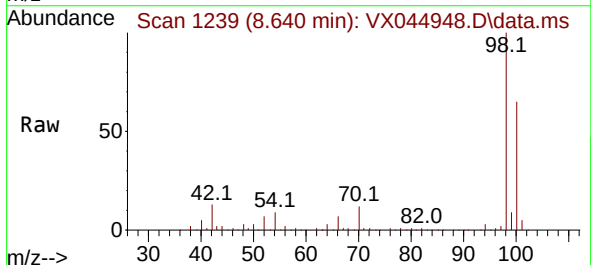
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

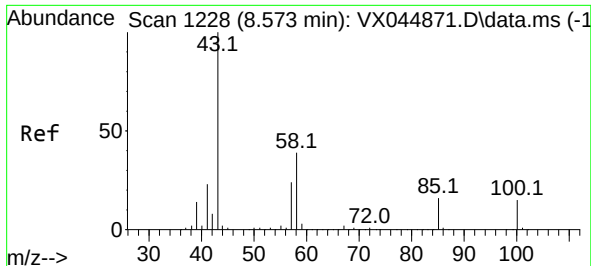
Tgt Ion:	88	Resp:	35851
Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.6	39.8
58	69.2	55.9	83.9



#50
Toluene-d8
Concen: 50.081 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:	98	Resp:	239910
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1

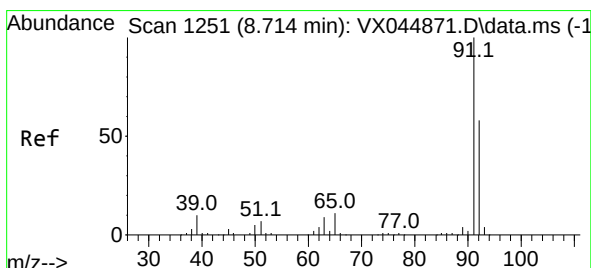
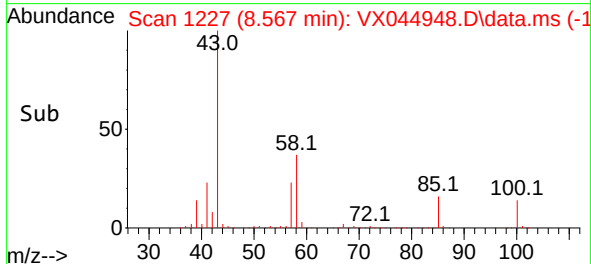
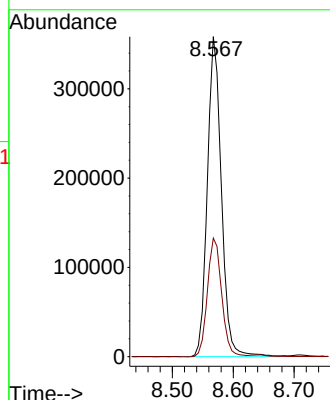
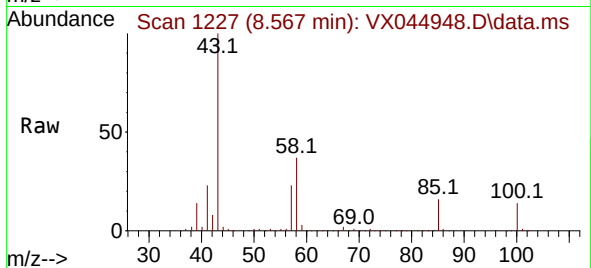




#51
4-Methyl-2-Pentanone
Concen: 287.542 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

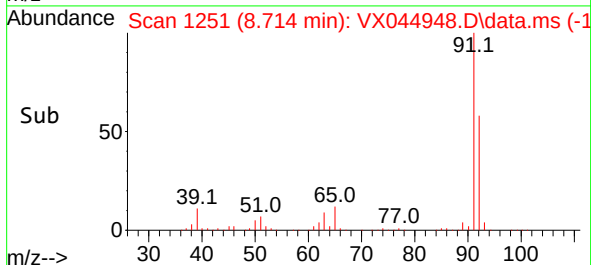
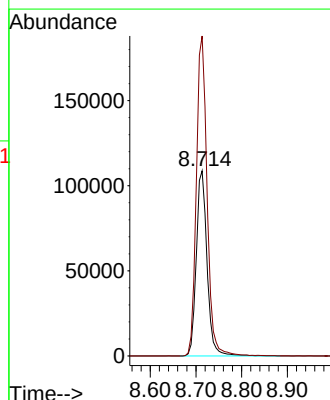
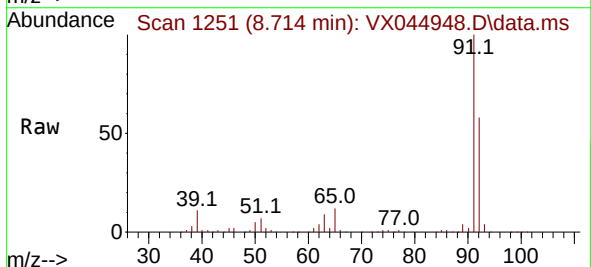
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

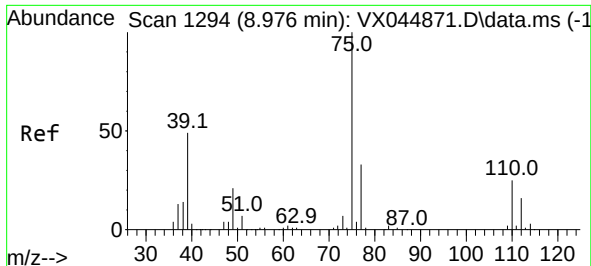
Tgt Ion: 43 Resp: 573871
Ion Ratio Lower Upper
43 100
58 37.6 30.8 46.2



#52
Toluene
Concen: 52.259 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 92 Resp: 177622
Ion Ratio Lower Upper
92 100
91 172.6 137.4 206.2

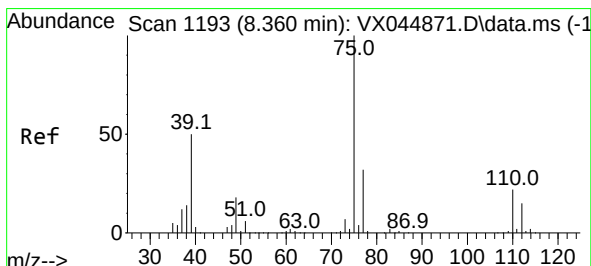
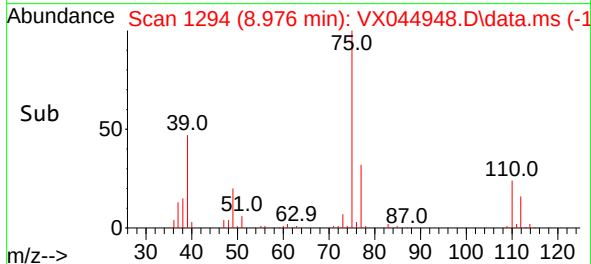
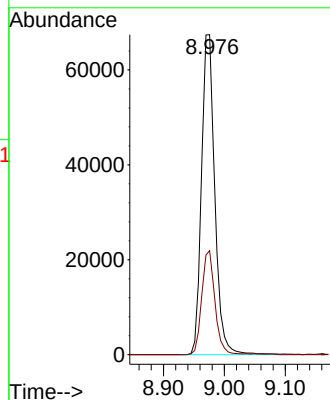
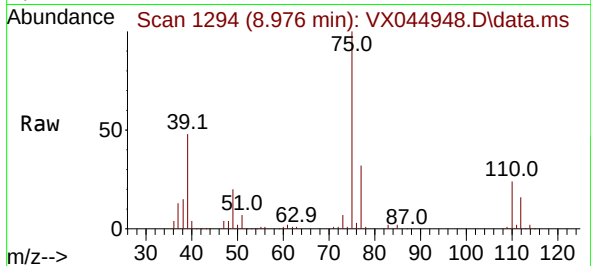




#53
t-1,3-Dichloropropene
Concen: 53.088 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

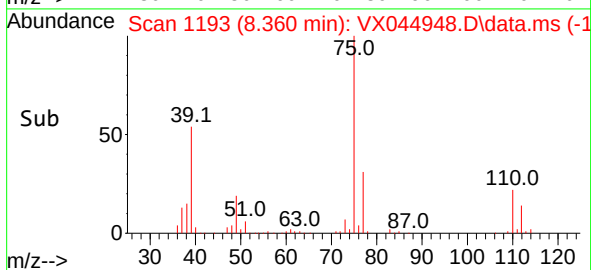
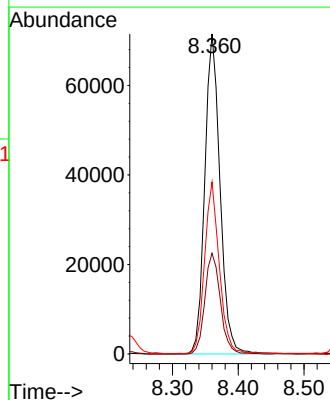
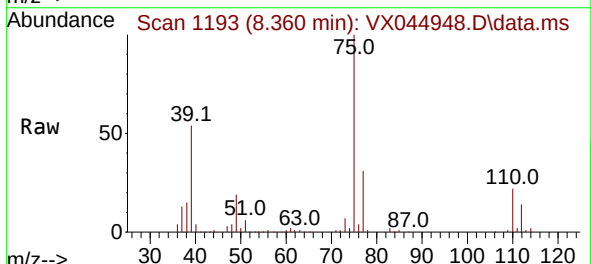
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

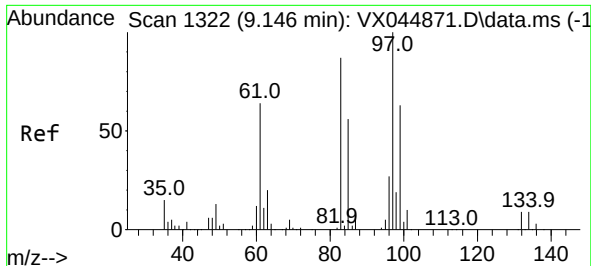
Tgt Ion: 75 Resp: 102427
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0



#54
cis-1,3-Dichloropropene
Concen: 53.670 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 75 Resp: 115454
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 53.6 40.0 60.0

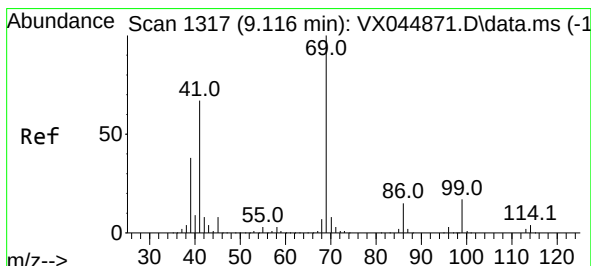
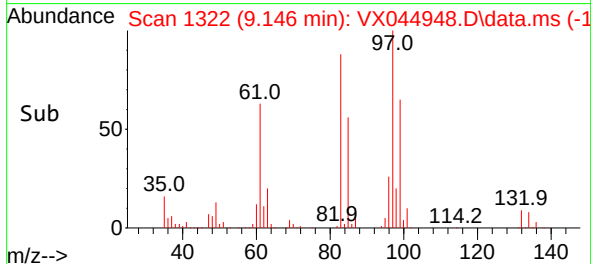
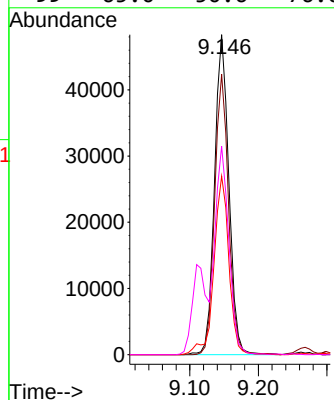
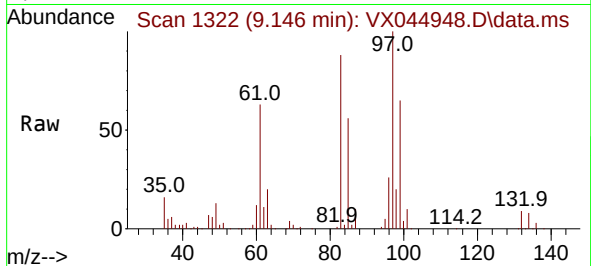




#55
1,1,2-Trichloroethane
Concen: 53.569 ug/l
RT: 9.146 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

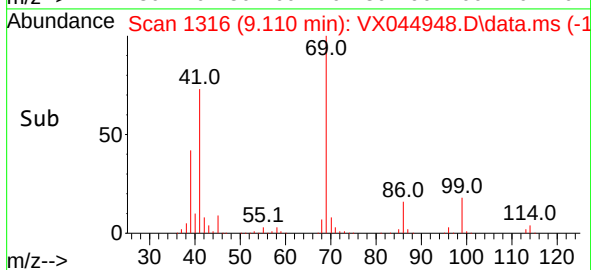
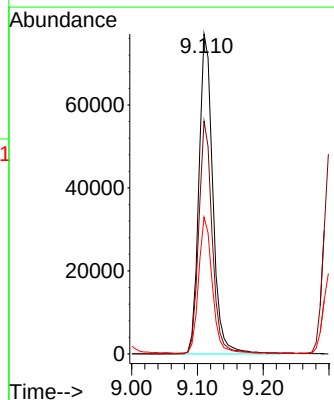
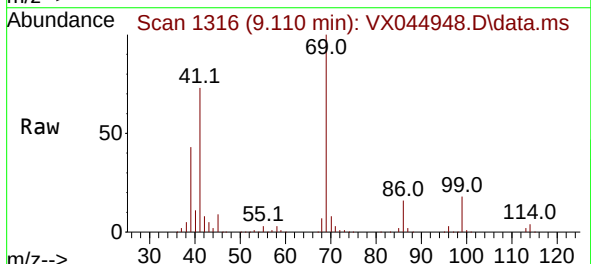
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

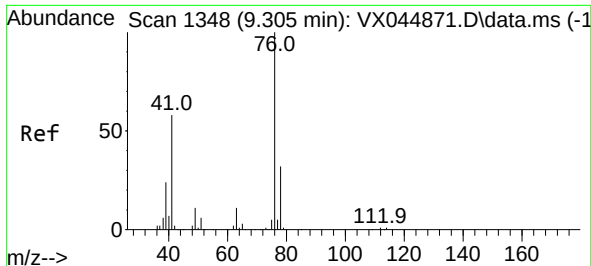
Tgt Ion:	97	Resp:	69992
Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.8	104.6
85	55.8	44.8	67.2
99	65.0	50.6	76.0



#56
Ethyl methacrylate
Concen: 53.714 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:	69	Resp:	113350
Ion	Ratio	Lower	Upper
69	100		
41	71.0	55.2	82.8
39	41.9	30.8	46.2





#57

1,3-Dichloropropane

Concen: 53.730 ug/l

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044948.D

Acq: 14 Feb 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

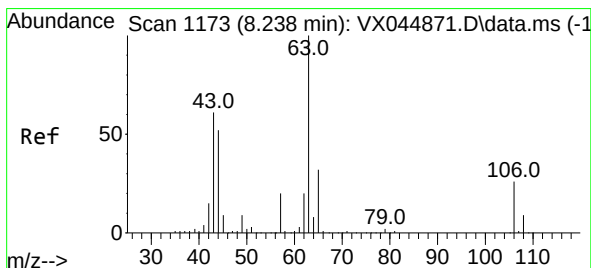
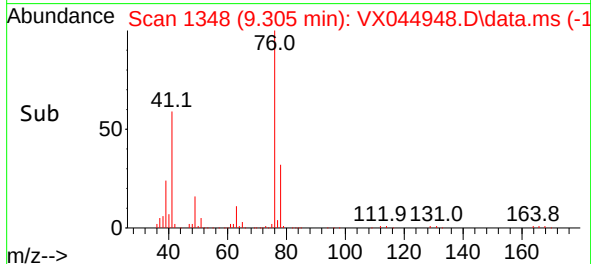
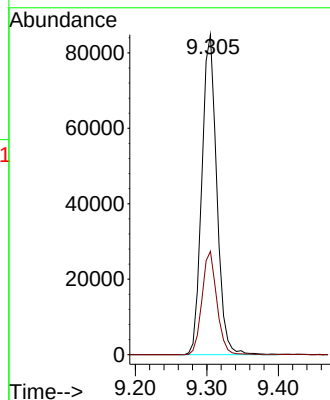
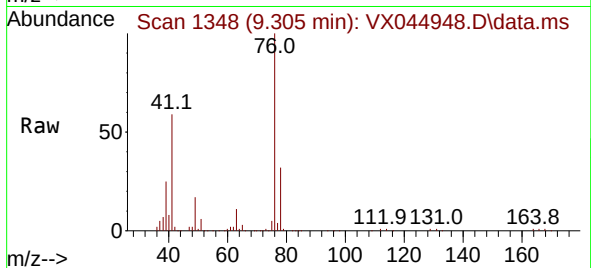
VSTDCCC050

Tgt Ion: 76 Resp: 122833

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 271.549 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044948.D

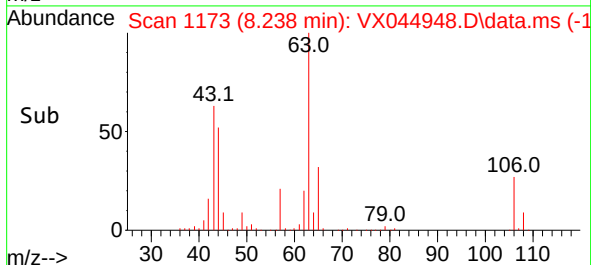
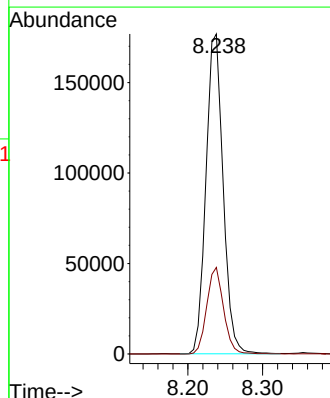
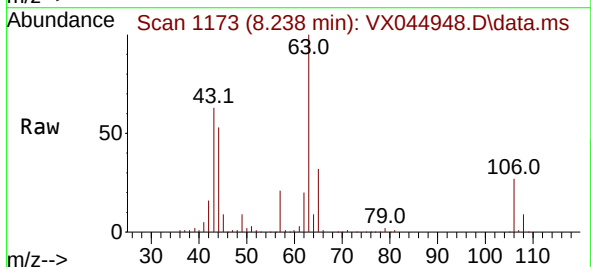
Acq: 14 Feb 2025 10:04

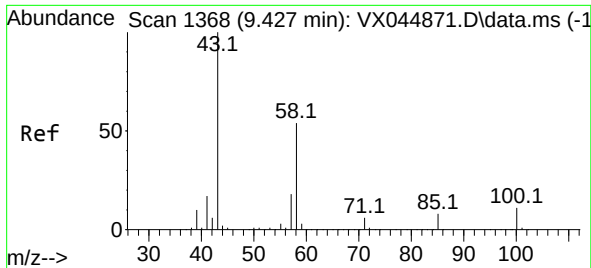
Tgt Ion: 63 Resp: 281369

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9

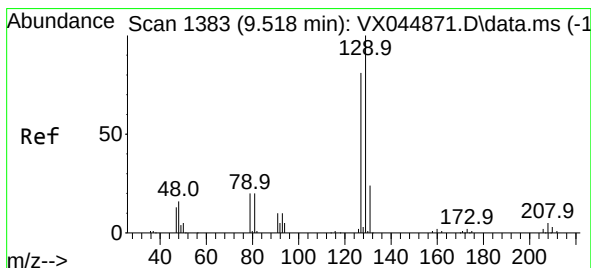
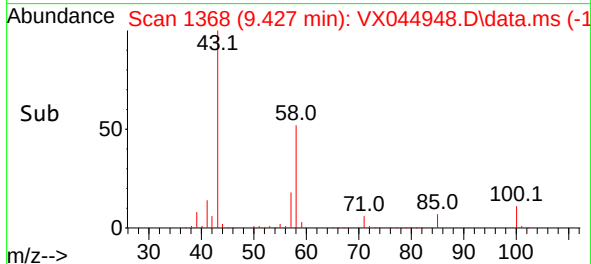
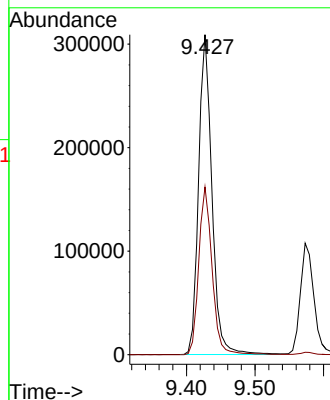
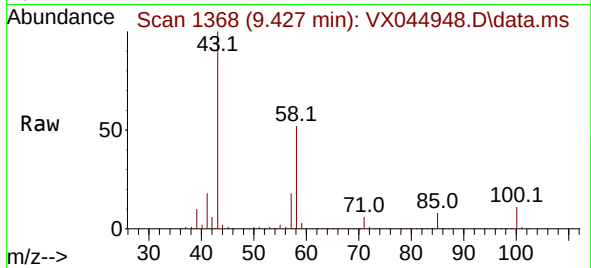




#59
2-Hexanone
Concen: 291.536 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

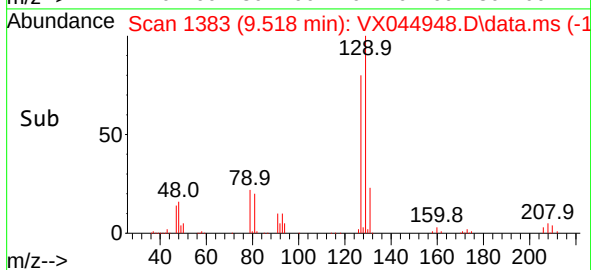
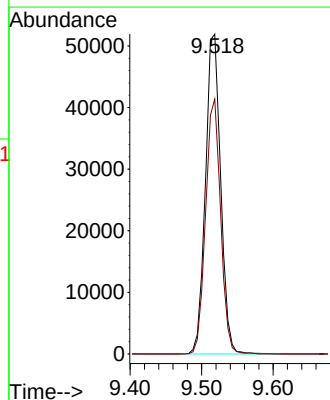
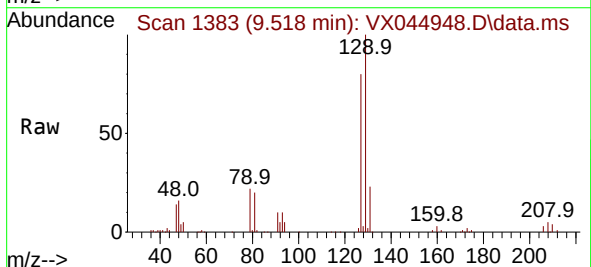
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

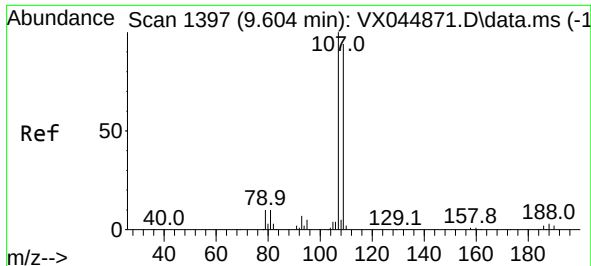
Tgt Ion: 43 Resp: 419224
Ion Ratio Lower Upper
43 100
58 52.6 27.5 82.4



#60
Dibromochloromethane
Concen: 55.049 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 129 Resp: 76923
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.3

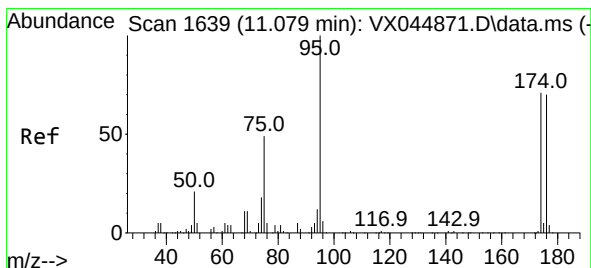
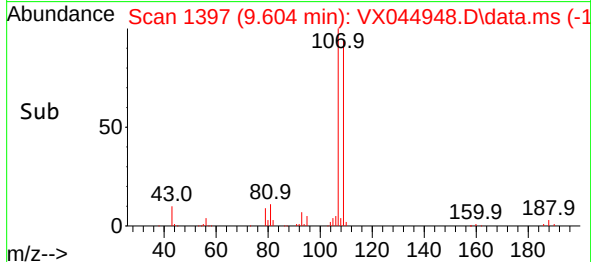
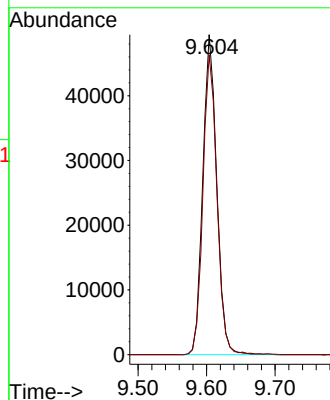
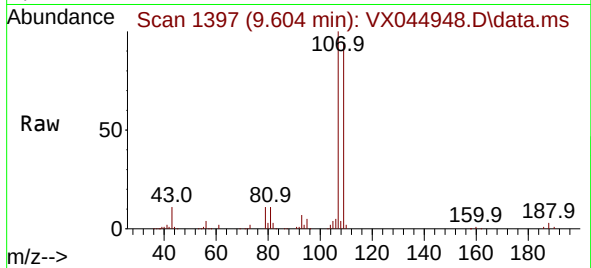




#61
1,2-Dibromoethane
Concen: 53.050 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

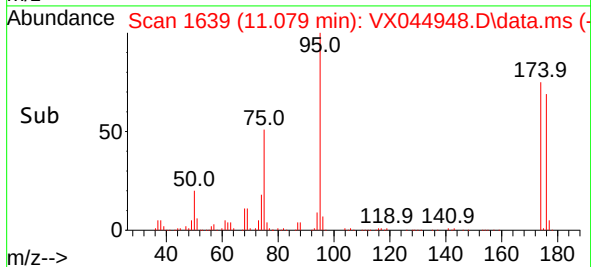
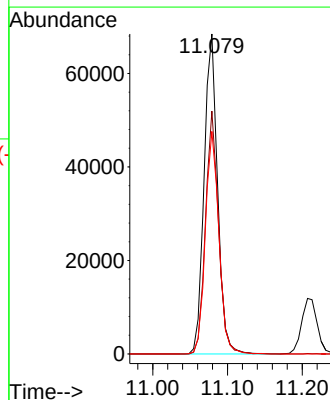
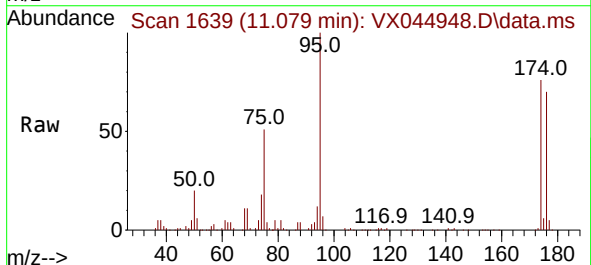
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

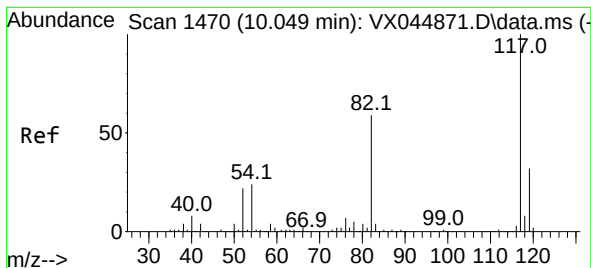
Tgt Ion:107 Resp: 70254
Ion Ratio Lower Upper
107 100
109 93.7 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 53.134 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 95 Resp: 85808
Ion Ratio Lower Upper
95 100
174 73.2 0.0 142.6
176 70.0 0.0 141.6

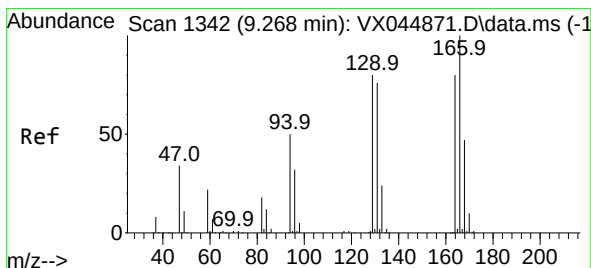
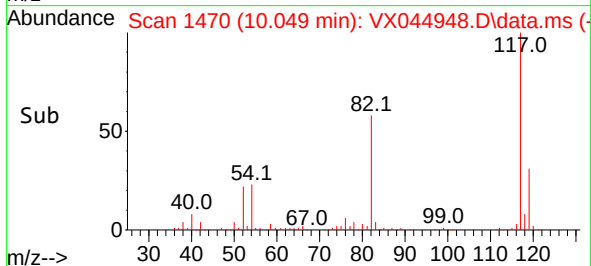
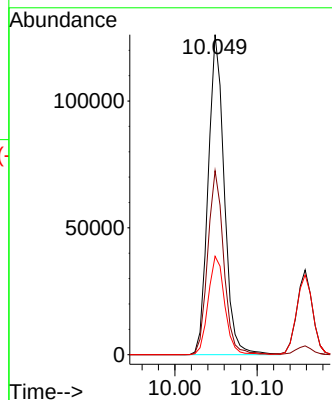
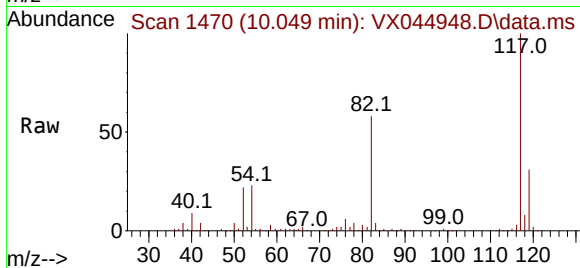




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

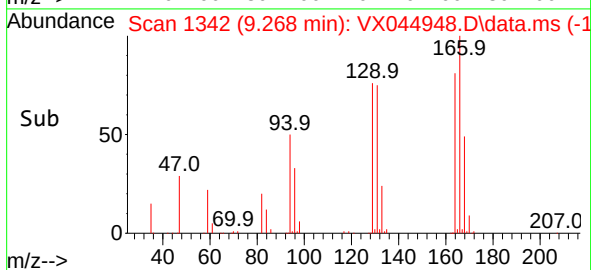
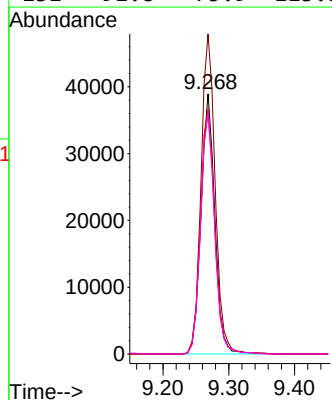
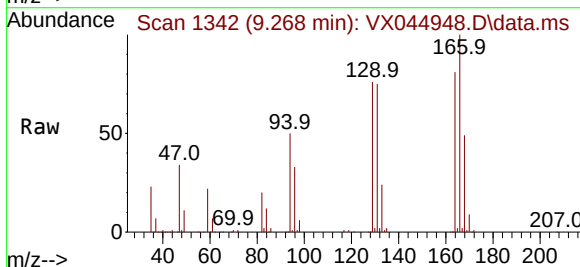
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

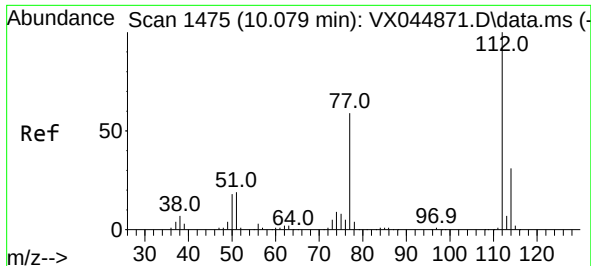
Tgt Ion:117 Resp: 171164
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 30.7 25.4 38.0



#64
Tetrachloroethene
Concen: 52.606 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:164 Resp: 56785
Ion Ratio Lower Upper
164 100
166 123.0 100.4 150.6
129 93.9 79.9 119.9
131 91.8 75.9 113.9

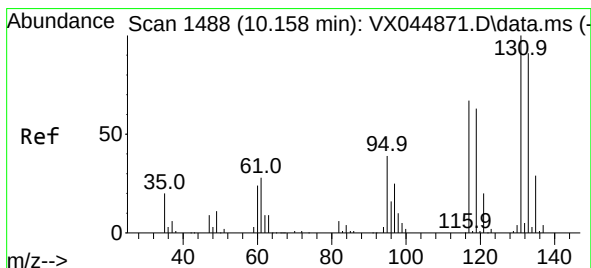
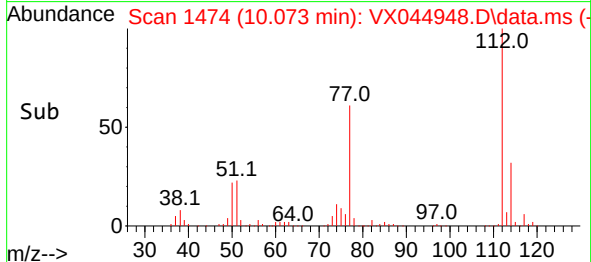
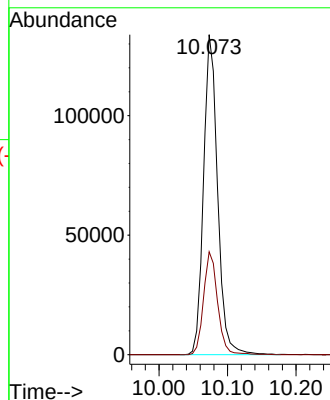
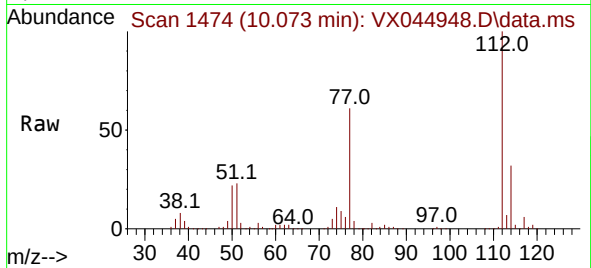




#65
Chlorobenzene
Concen: 52.037 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

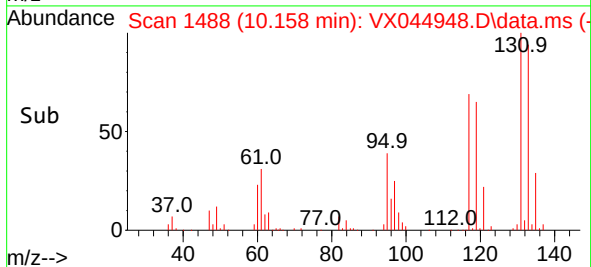
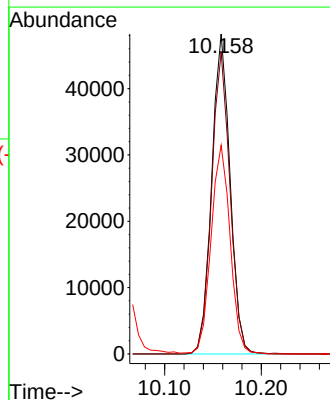
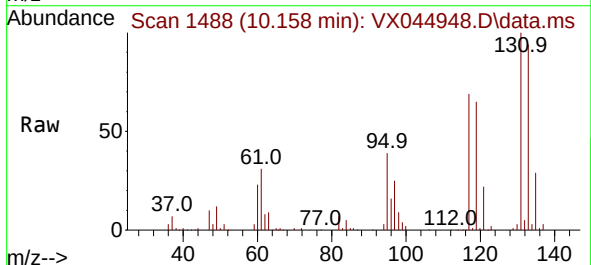
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

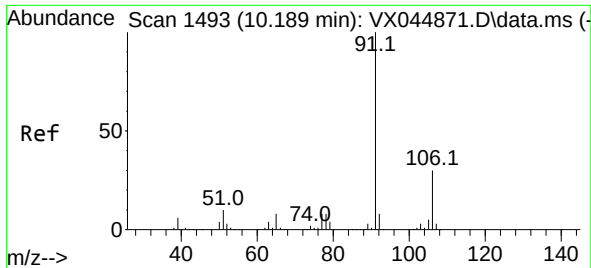
Tgt Ion:112 Resp: 191305
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.691 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:131 Resp: 63533
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.3
119 68.0 33.6 100.6

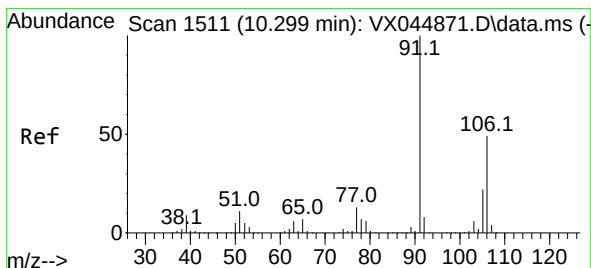
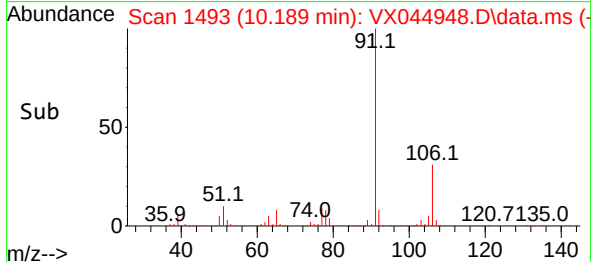
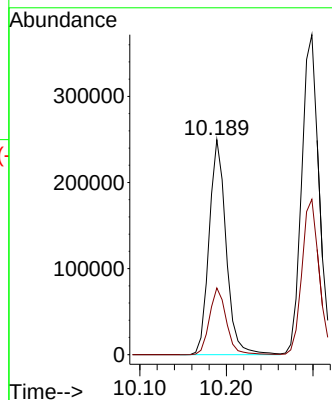
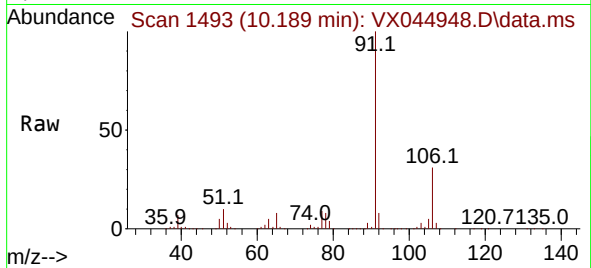




#67
Ethyl Benzene
Concen: 52.604 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

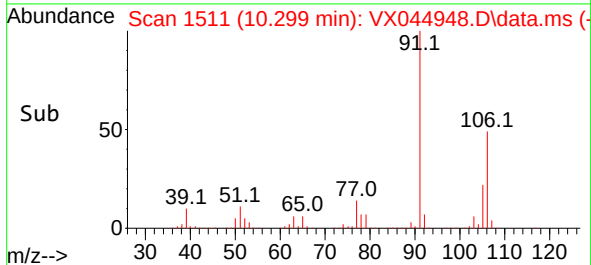
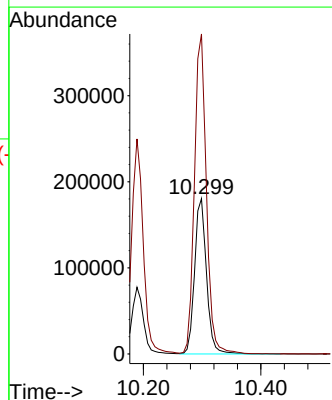
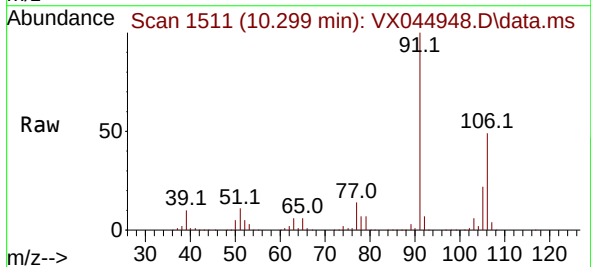
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

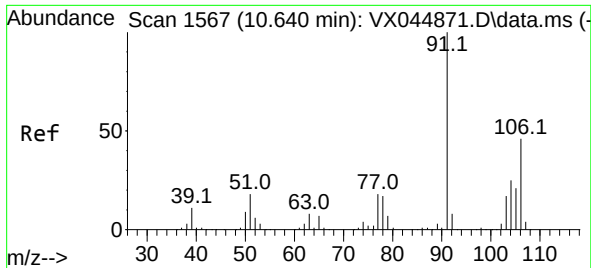
Tgt Ion: 91 Resp: 341272
Ion Ratio Lower Upper
91 100
106 31.1 23.9 35.9



#68
m/p-Xylenes
Concen: 105.747 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 106 Resp: 253071
Ion Ratio Lower Upper
106 100
91 207.1 164.3 246.5

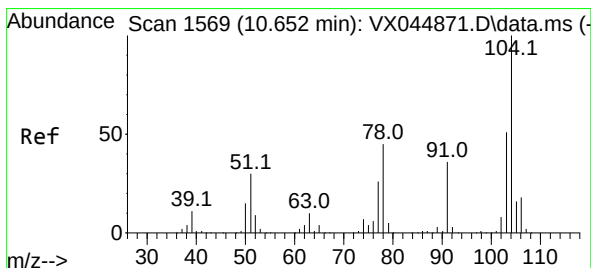
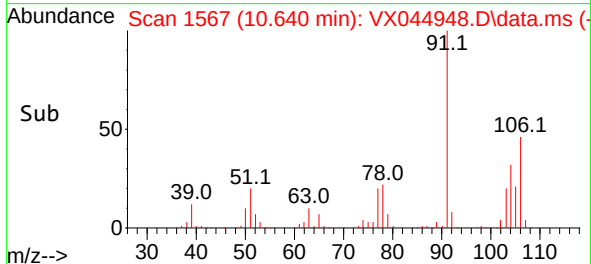
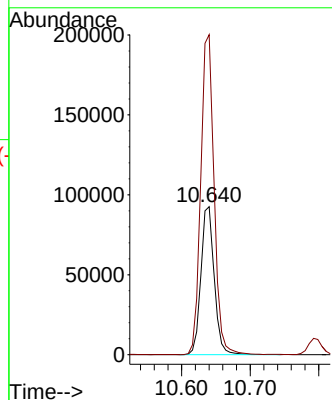
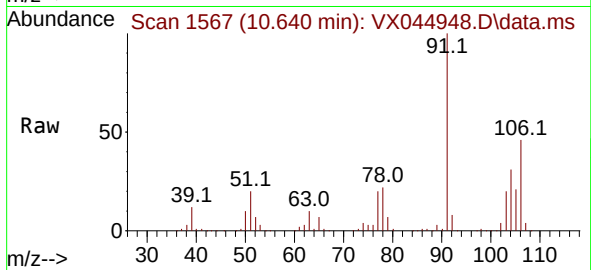




#69
o-Xylene
Concen: 52.257 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

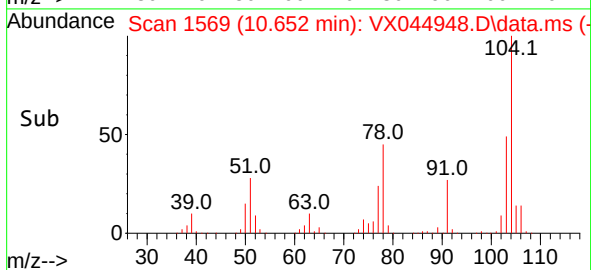
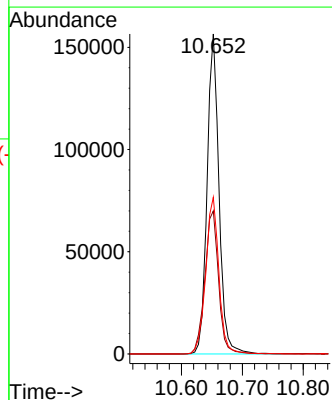
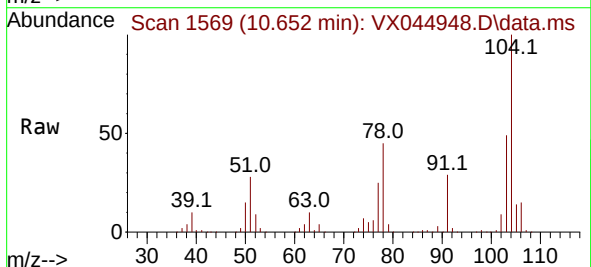
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

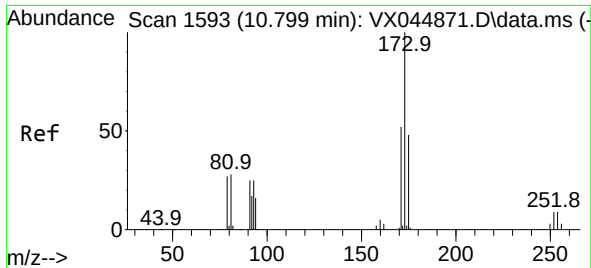
Tgt Ion:106 Resp: 125488
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5



#70
Styrene
Concen: 55.028 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:104 Resp: 212892
Ion Ratio Lower Upper
104 100
78 51.6 40.5 60.7
103 54.2 43.6 65.4

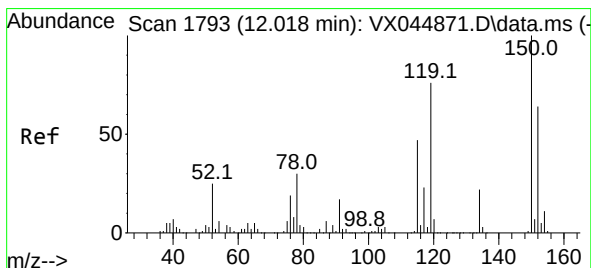
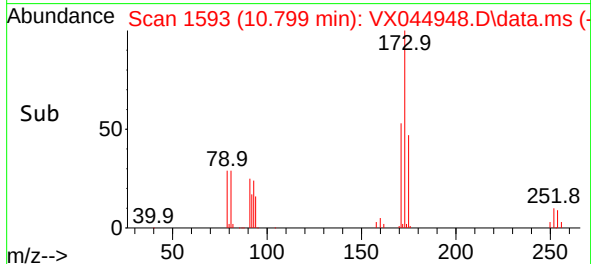
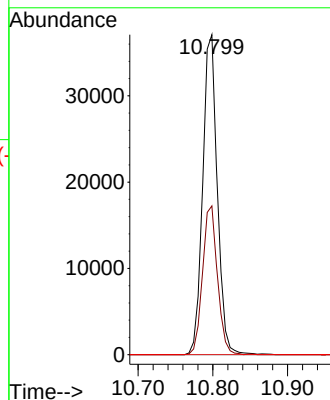
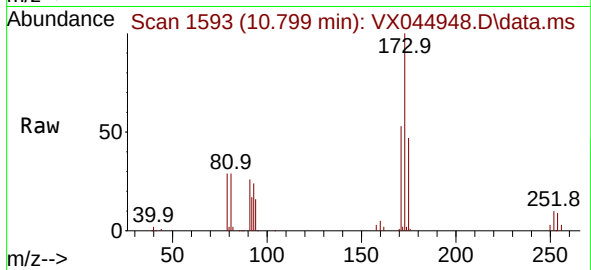




#71
Bromoform
Concen: 56.956 ug/l
RT: 10.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

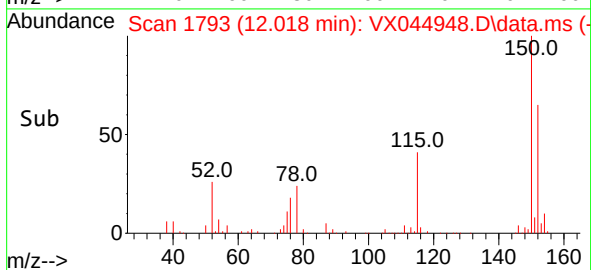
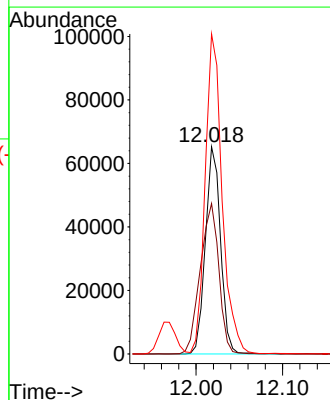
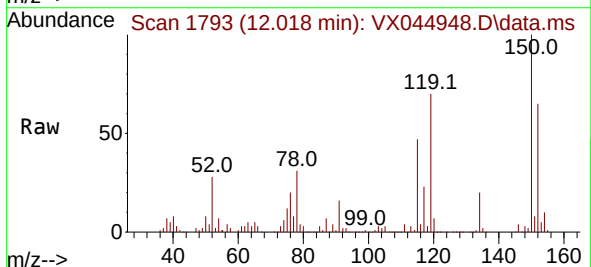
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

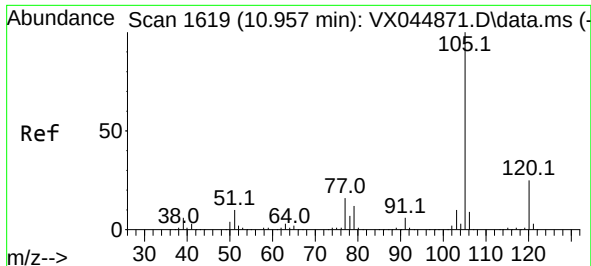
Tgt Ion:173 Resp: 50298
Ion Ratio Lower Upper
173 100
175 47.4 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:152 Resp: 79140
Ion Ratio Lower Upper
152 100
115 89.1 43.4 130.1
150 172.5 0.0 350.4

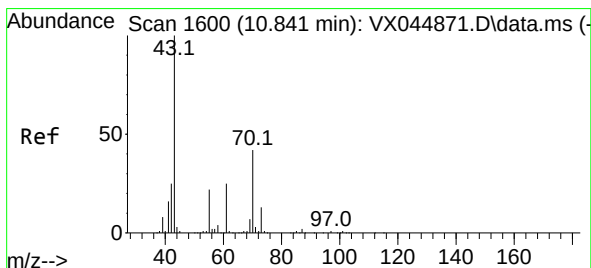
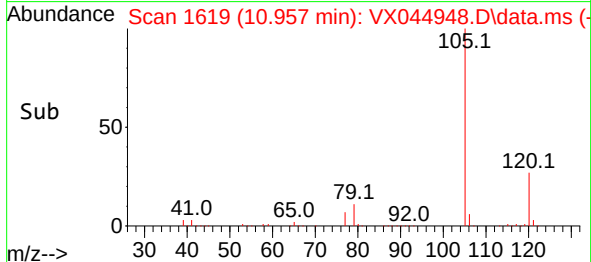
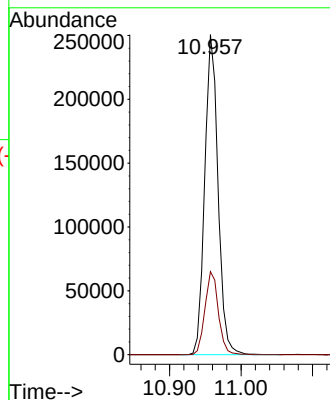
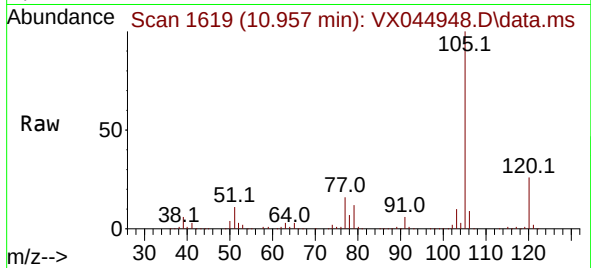




#73
Isopropylbenzene
Concen: 50.759 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

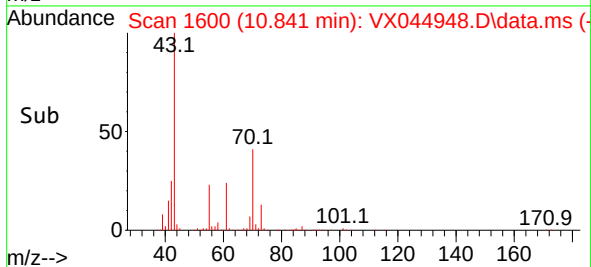
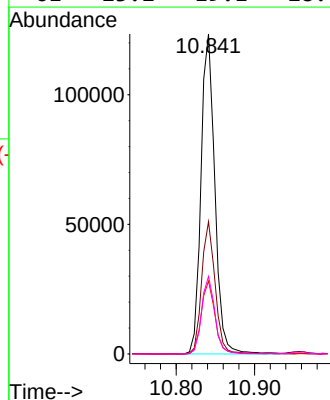
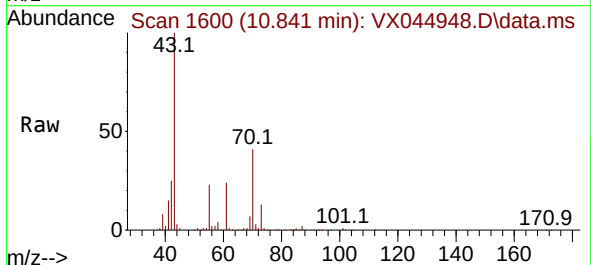
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

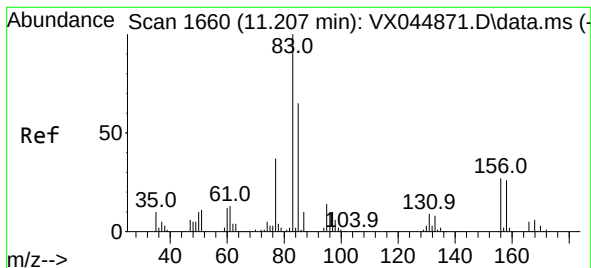
Tgt Ion:105 Resp: 323452
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#74
N-ethyl acetate
Concen: 52.711 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 43 Resp: 151995
Ion Ratio Lower Upper
43 100
70 40.1 33.7 50.5
55 22.8 18.6 27.8
61 23.2 19.1 28.7

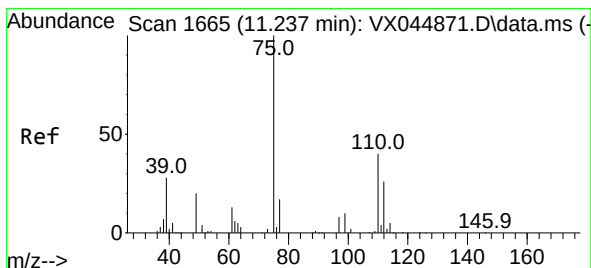
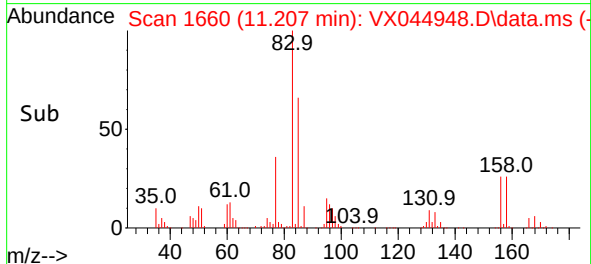
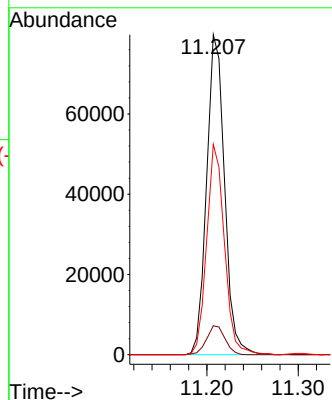
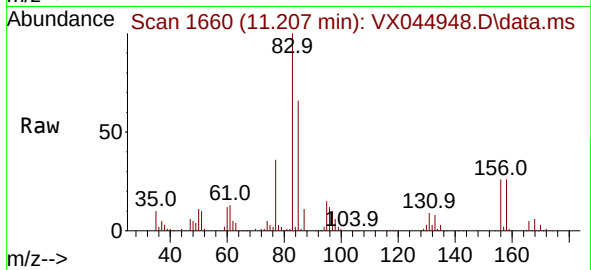




#75
1,1,2,2-Tetrachloroethane
Concen: 49.450 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

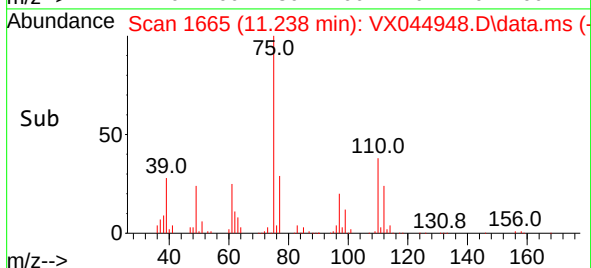
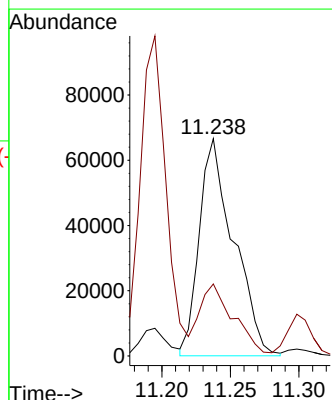
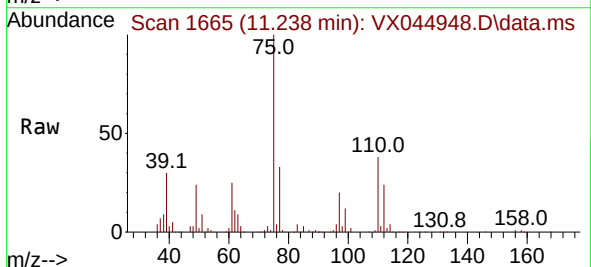
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

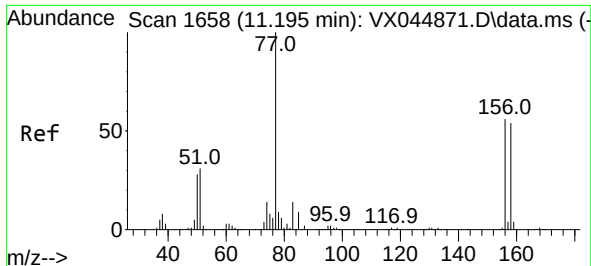
Tgt Ion: 83 Resp: 108280
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.5
85 65.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 66.344 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 75 Resp: 116411
Ion Ratio Lower Upper
75 100
77 32.8 21.9 65.7

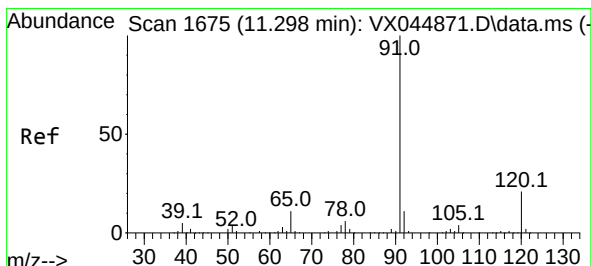
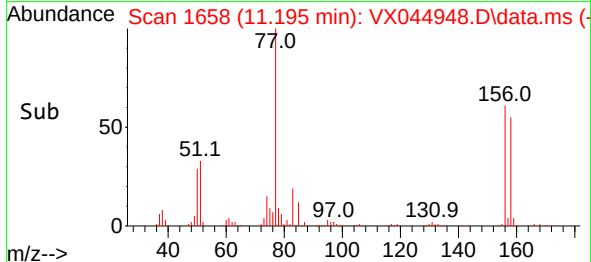
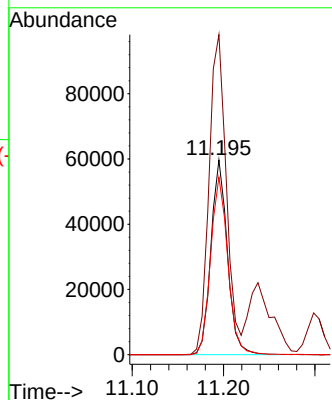
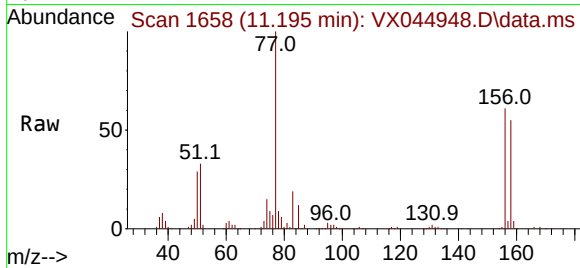




#77
Bromobenzene
Concen: 51.785 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

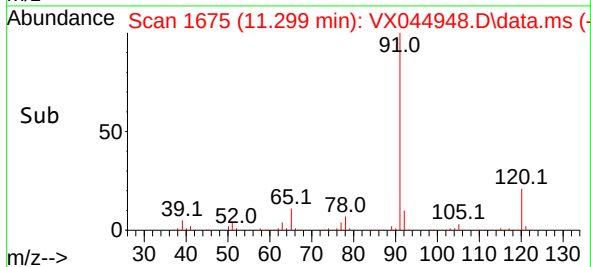
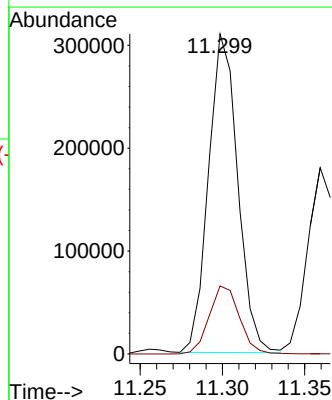
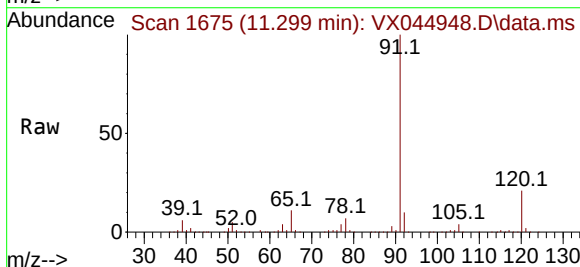
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

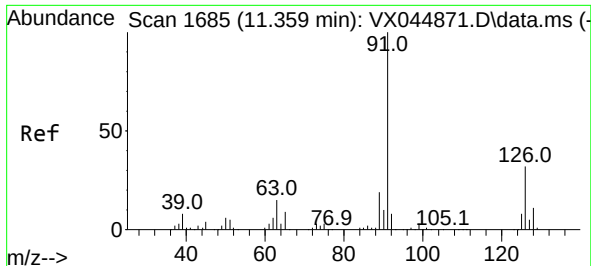
Tgt Ion:156 Resp: 74813
Ion Ratio Lower Upper
156 100
77 172.6 88.4 265.3
158 95.3 48.4 145.2



#78
n-propylbenzene
Concen: 52.104 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 91 Resp: 383227
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3

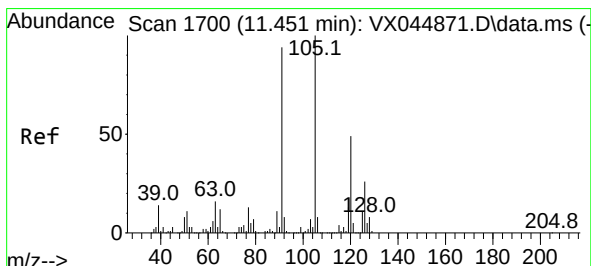
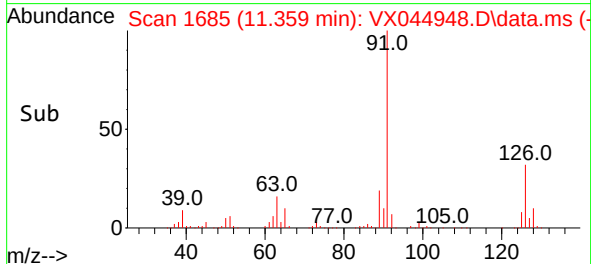
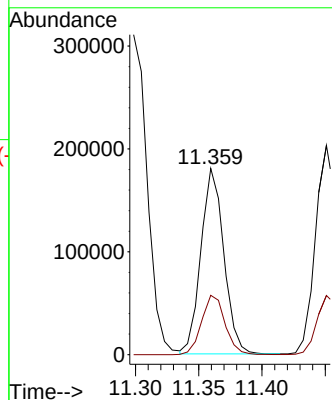
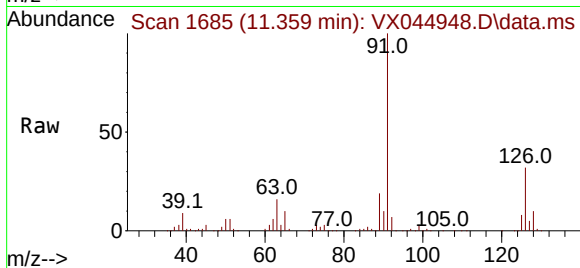




#79
2-Chlorotoluene
Concen: 50.293 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

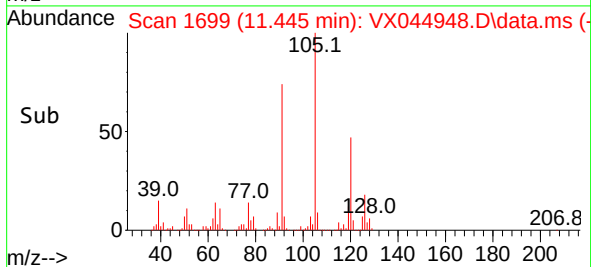
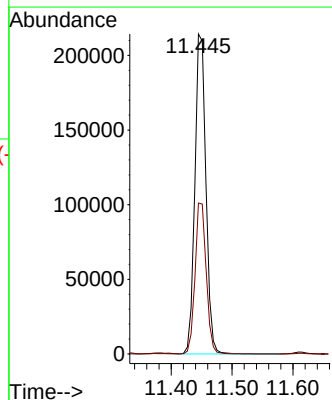
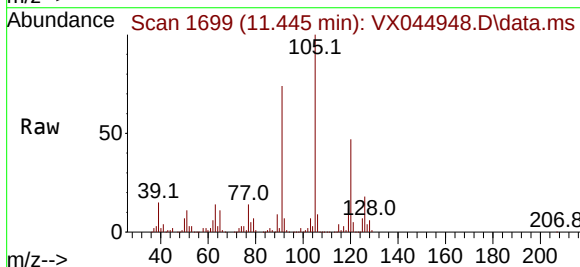
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

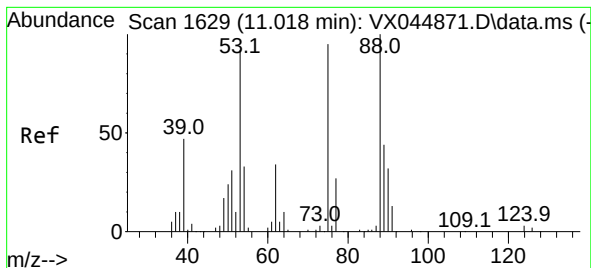
Tgt Ion: 91 Resp: 227346
Ion Ratio Lower Upper
91 100
126 32.9 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 52.135 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 105 Resp: 269593
Ion Ratio Lower Upper
105 100
120 47.7 24.0 72.0

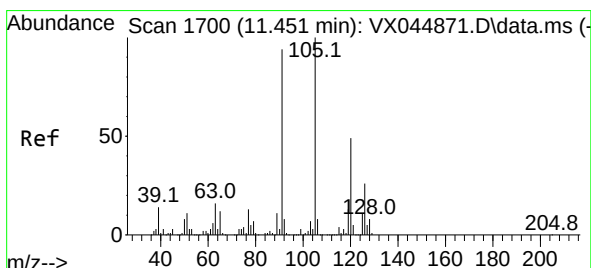
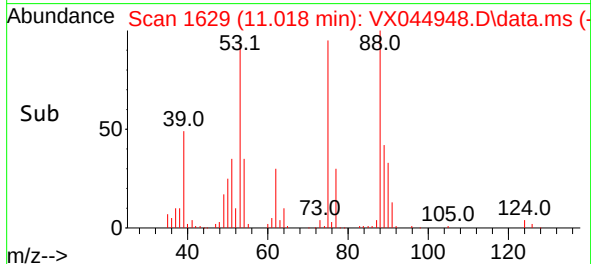
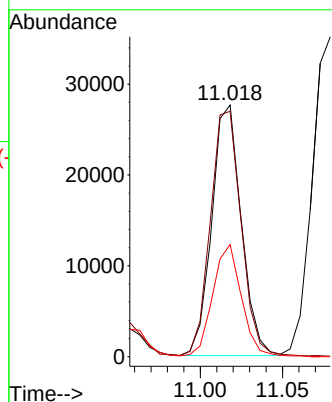
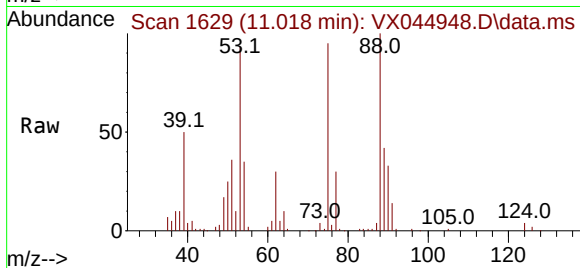




#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.555 ug/l
 RT: 11.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

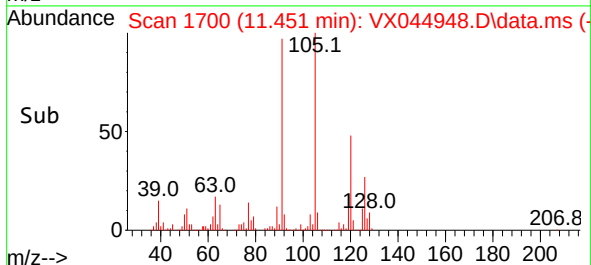
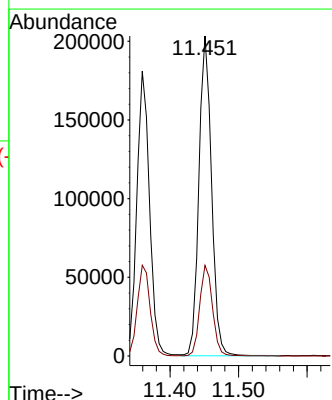
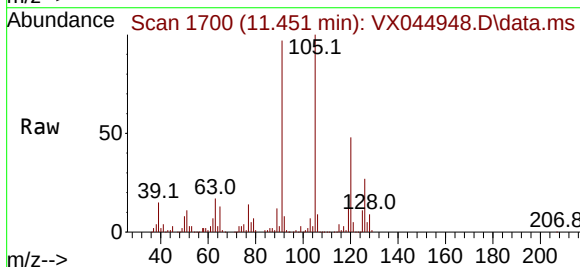
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

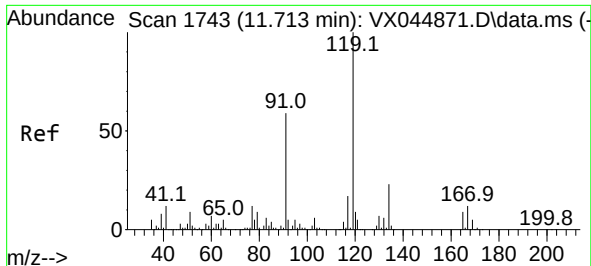
Tgt Ion: 75 Resp: 34484
 Ion Ratio Lower Upper
 75 100
 53 103.0 78.0 117.0
 89 43.6 36.6 54.8



#82
 4-Chlorotoluene
 Concen: 52.037 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

Tgt Ion: 91 Resp: 260241
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.2 42.6

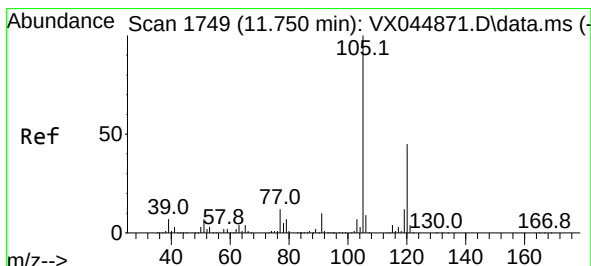
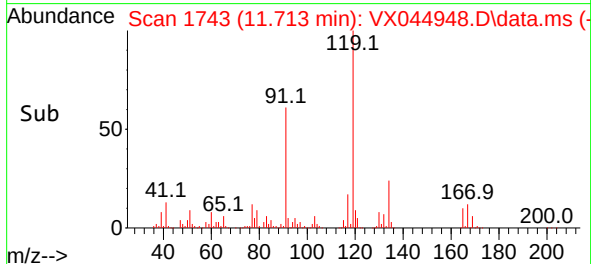
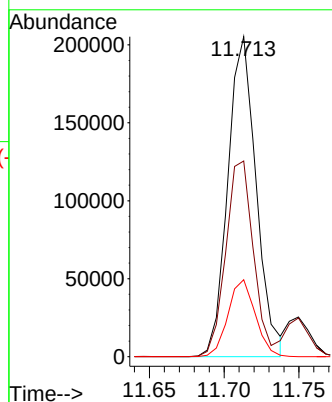
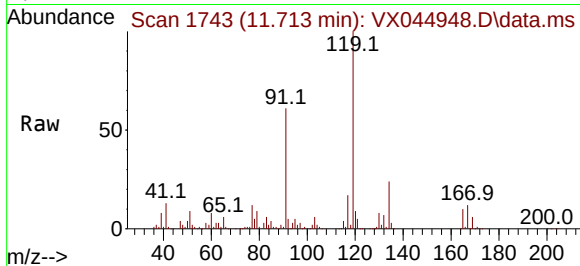




#83
 tert-Butylbenzene
 Concen: 51.808 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

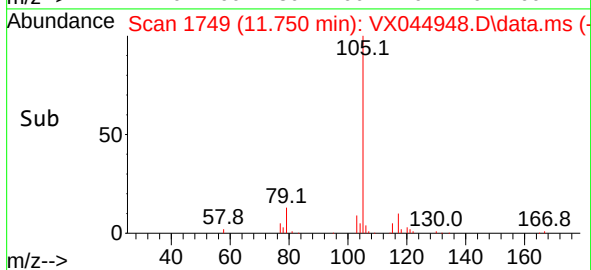
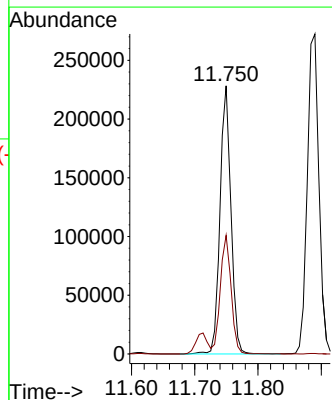
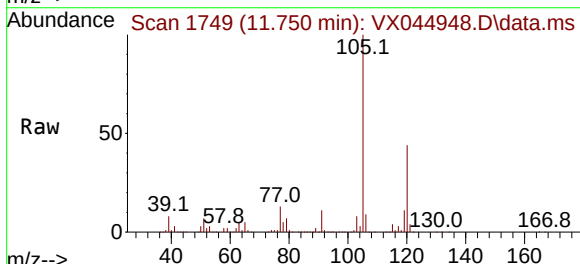
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

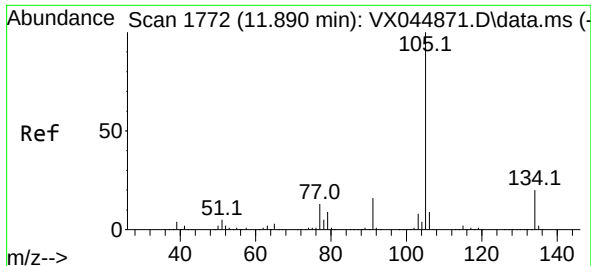
Tgt Ion:119 Resp: 271023
 Ion Ratio Lower Upper
 119 100
 91 59.2 29.1 87.4
 134 23.1 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 53.576 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

Tgt Ion:105 Resp: 273444
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.0

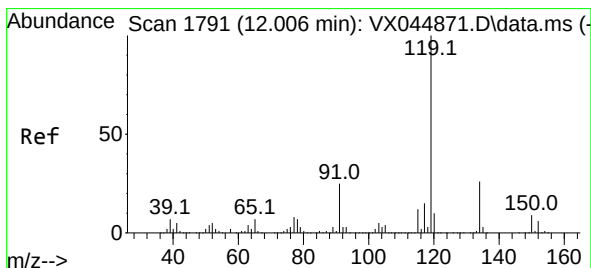
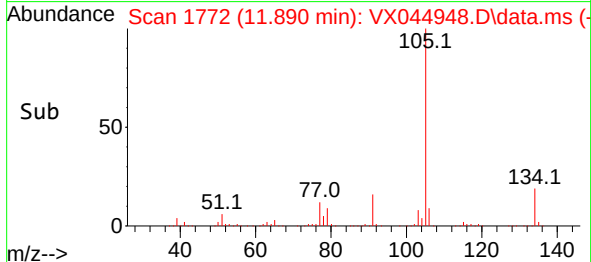
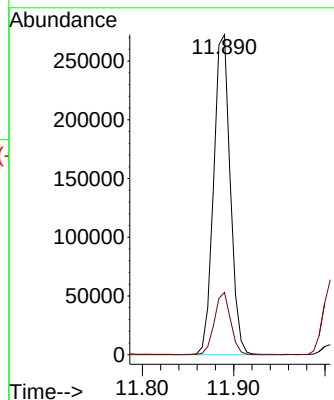
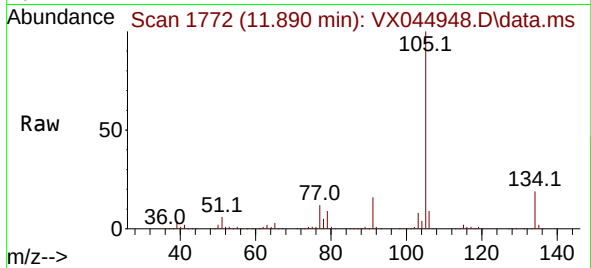




#85
 sec-Butylbenzene
 Concen: 53.285 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

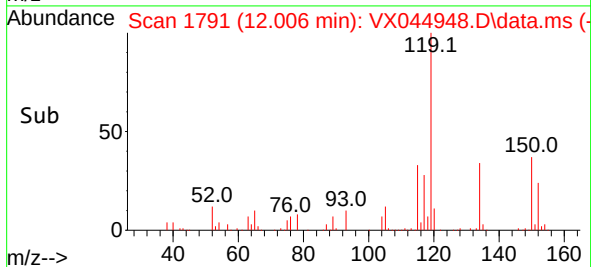
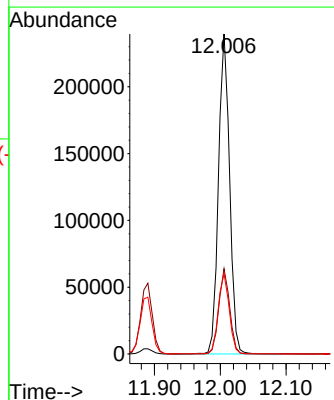
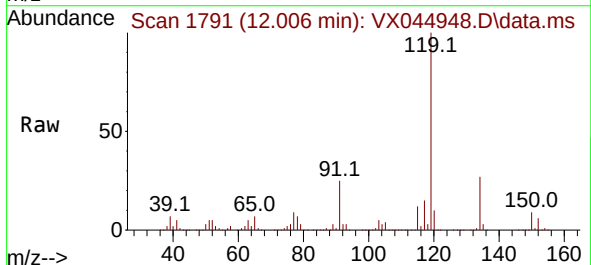
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

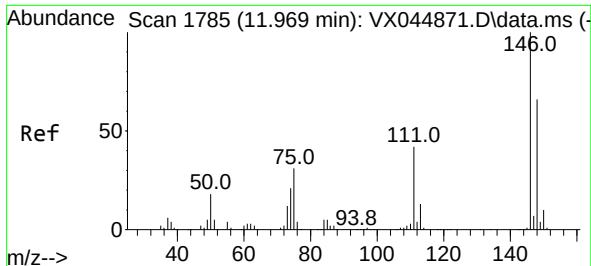
Tgt Ion:105 Resp: 345172
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 53.974 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044948.D
 Acq: 14 Feb 2025 10:04

Tgt Ion:119 Resp: 281168
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 24.8 12.1 36.3

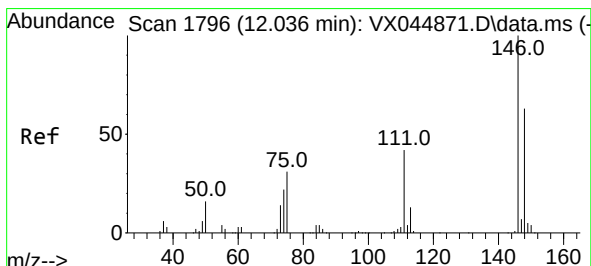
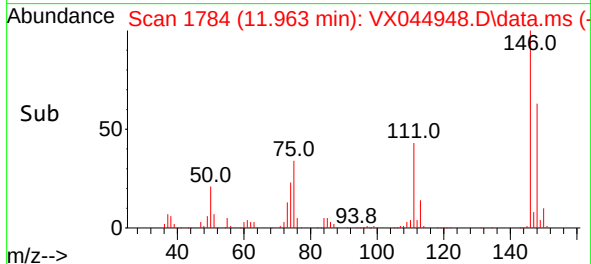
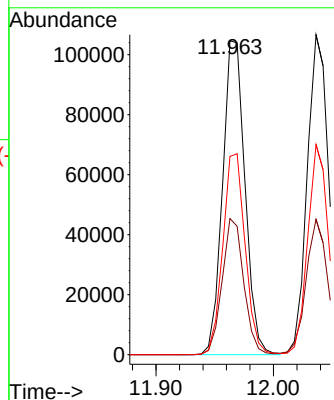
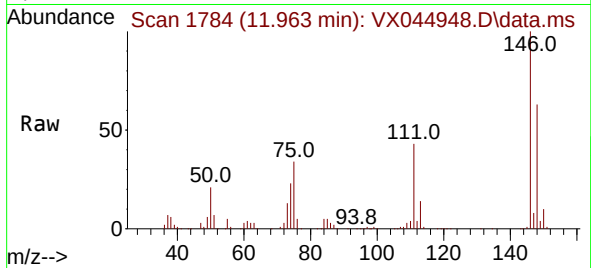




#87
1,3-Dichlorobenzene
Concen: 52.302 ug/l
RT: 11.963 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

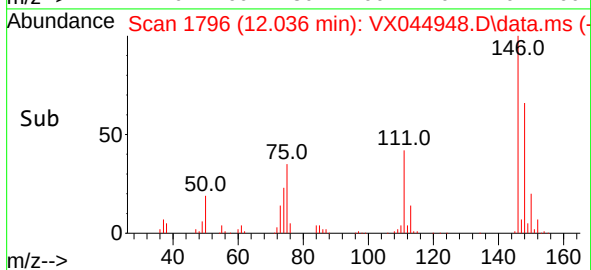
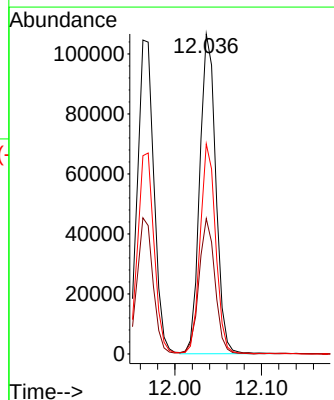
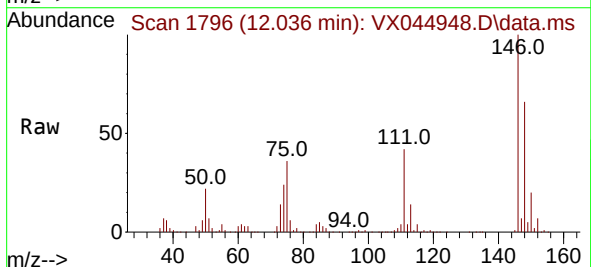
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

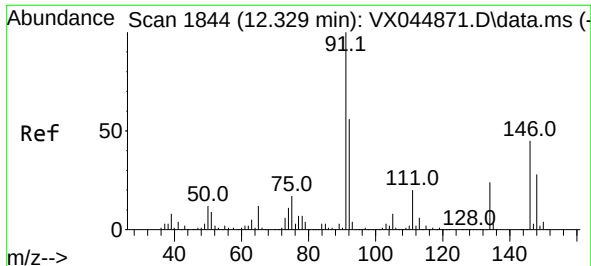
Tgt Ion:146 Resp: 138952
Ion Ratio Lower Upper
146 100
111 41.8 21.2 63.6
148 63.8 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 51.107 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:146 Resp: 137282
Ion Ratio Lower Upper
146 100
111 42.3 20.4 61.3
148 63.2 32.0 96.0

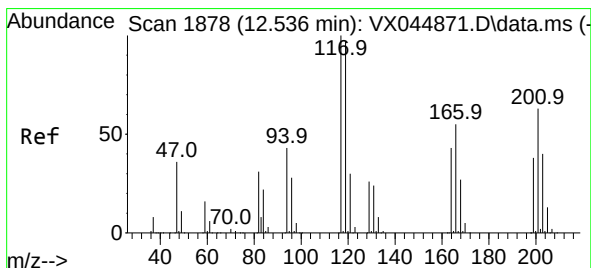
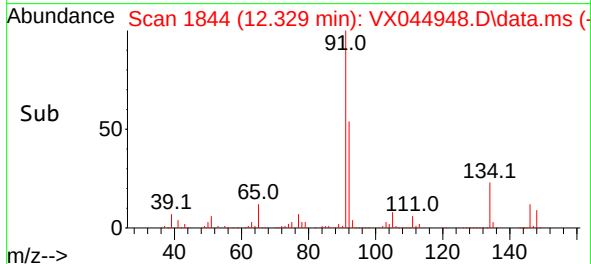
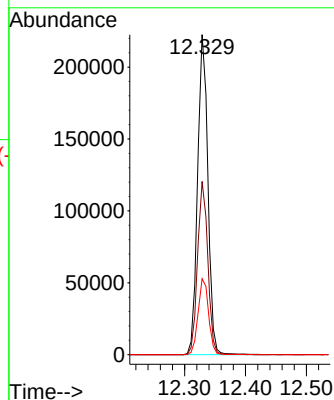
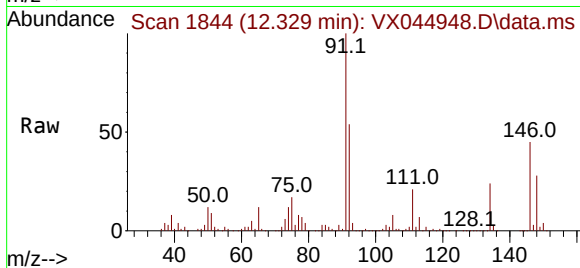




#89
n-Butylbenzene
Concen: 56.406 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

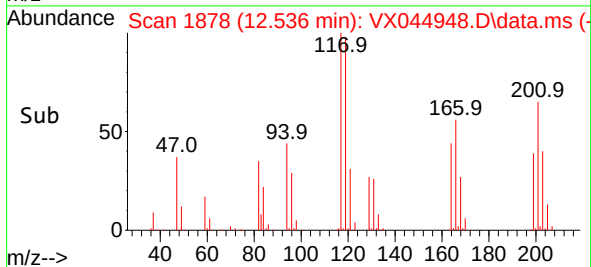
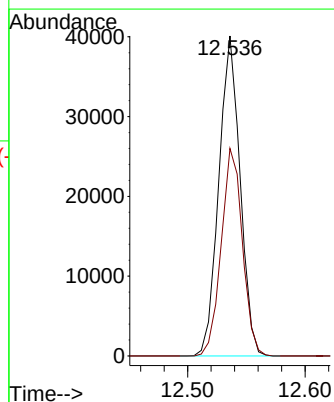
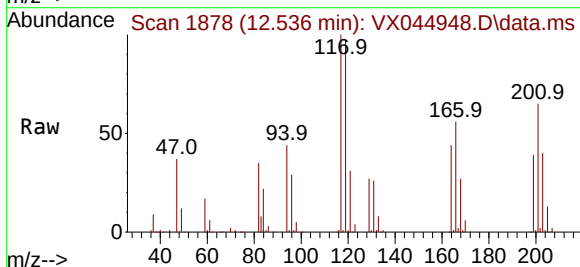
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

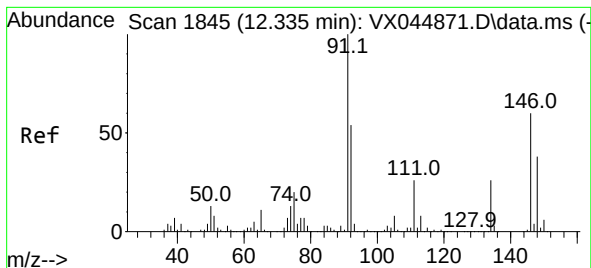
Tgt Ion: 91 Resp: 259957
Ion Ratio Lower Upper
91 100
92 54.0 27.2 81.6
134 24.3 12.1 36.3



#90
Hexachloroethane
Concen: 51.715 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 117 Resp: 50444
Ion Ratio Lower Upper
117 100
201 64.6 32.5 97.5

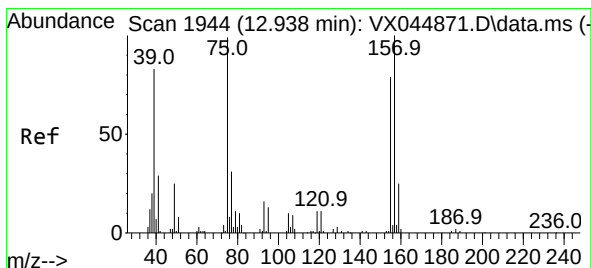
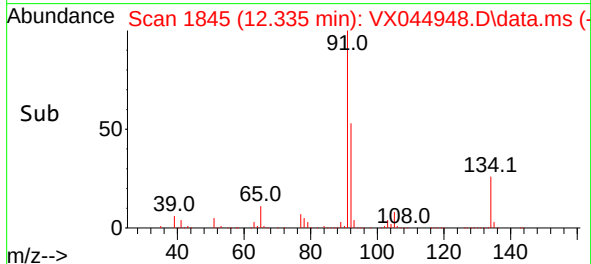
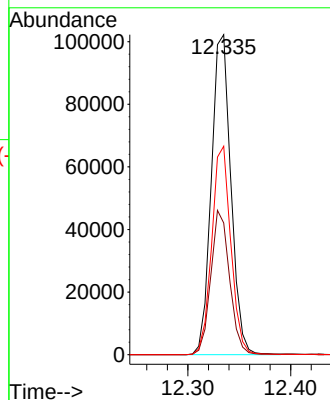
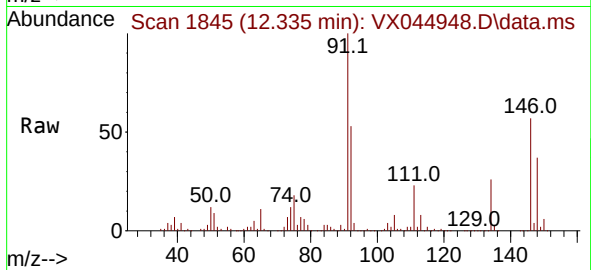




#91
1,2-Dichlorobenzene
Concen: 51.683 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

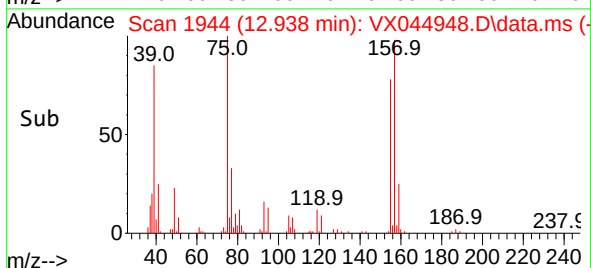
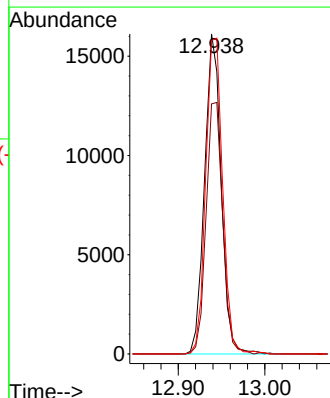
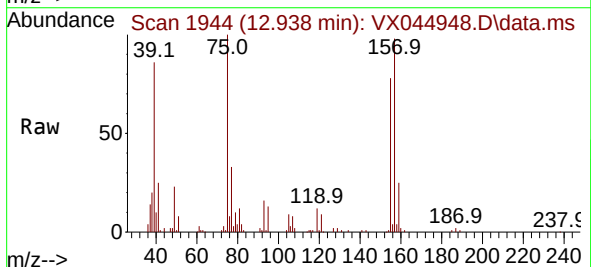
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

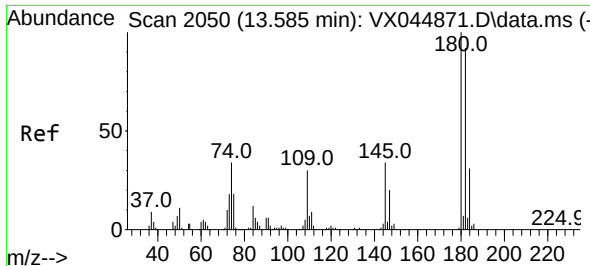
Tgt Ion:146 Resp: 134948
Ion Ratio Lower Upper
146 100
111 43.2 21.8 65.4
148 63.8 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.715 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion: 75 Resp: 21467
Ion Ratio Lower Upper
75 100
155 78.7 40.5 121.4
157 100.5 51.4 154.3

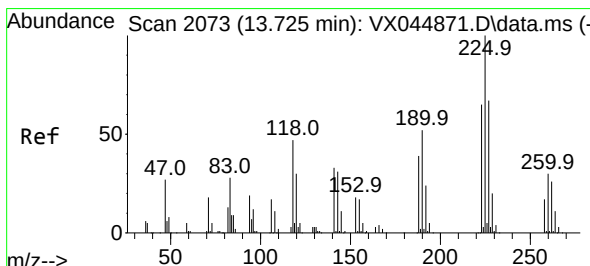
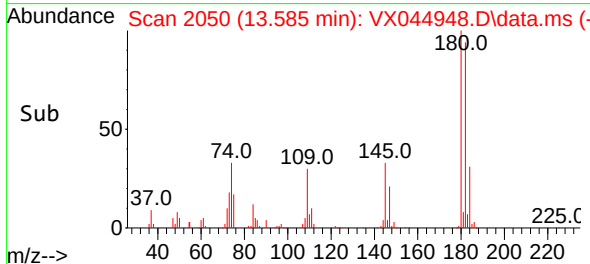
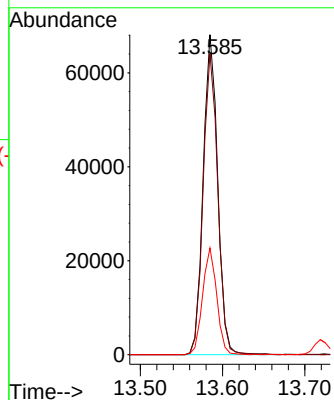
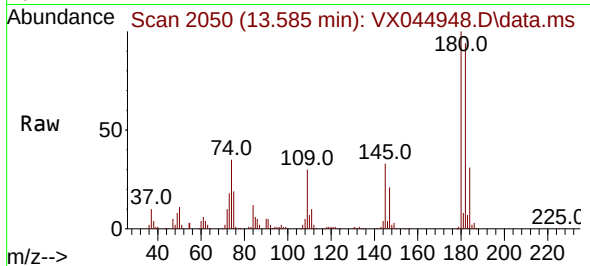




#93
1,2,4-Trichlorobenzene
Concen: 52.814 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

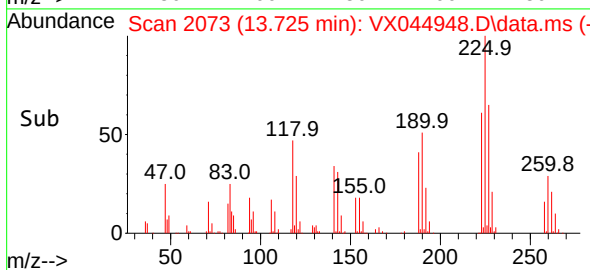
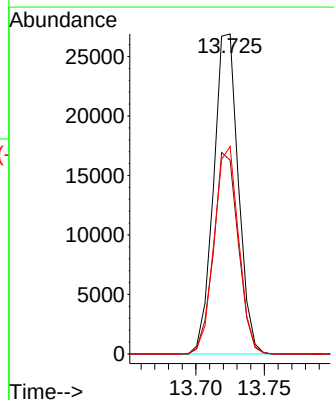
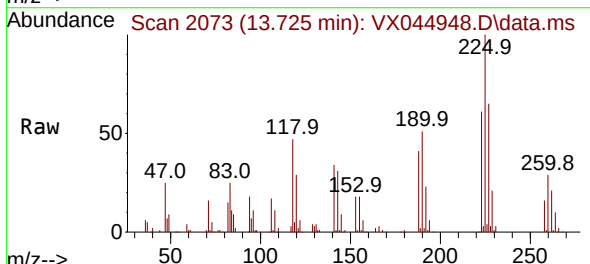
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

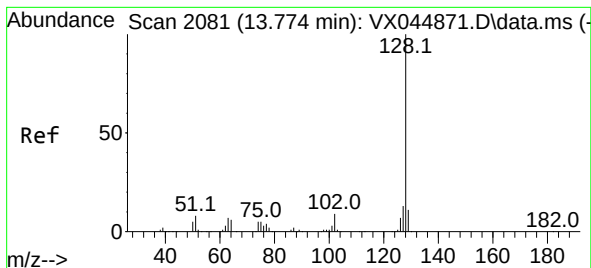
Tgt Ion:180 Resp: 83444
Ion Ratio Lower Upper
180 100
182 94.7 47.6 142.8
145 32.5 16.4 49.1



#94
Hexachlorobutadiene
Concen: 53.707 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:225 Resp: 33686
Ion Ratio Lower Upper
225 100
223 62.9 31.4 94.2
227 64.5 32.3 96.8

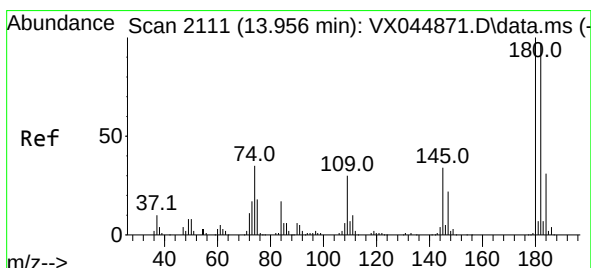
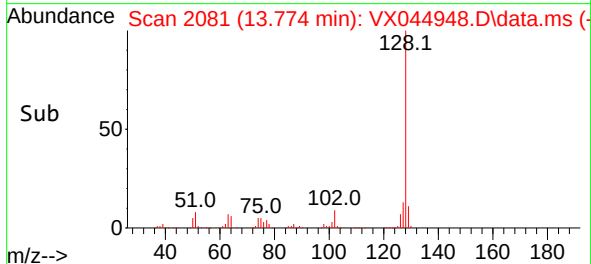
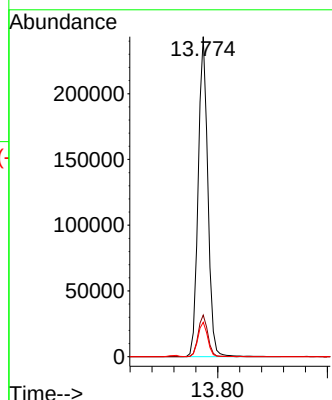
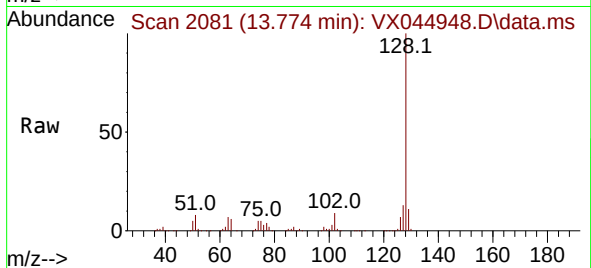




#95
Naphthalene
Concen: 52.263 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

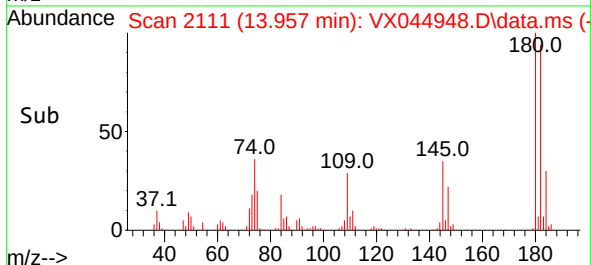
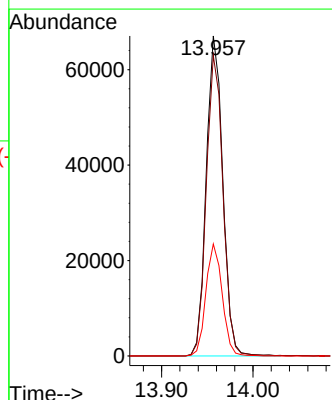
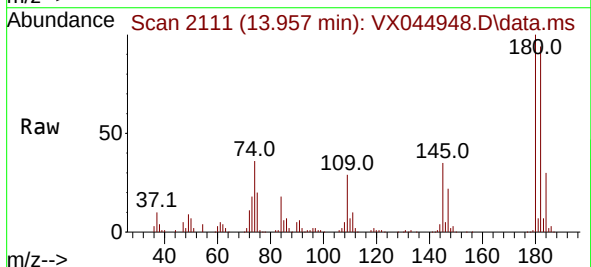
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 298494
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.918 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044948.D
Acq: 14 Feb 2025 10:04

Tgt Ion:180 Resp: 84247
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.6
145 34.4 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044951.D
 Acq On : 14 Feb 2025 11:14
 Operator : JC/MD
 Sample : VX0214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Quant Time: Feb 14 22:11:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	109167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	195743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79806	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81048	50.718	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.440%	
35) Dibromofluoromethane	5.379	113	65054	51.117	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.240%	
50) Toluene-d8	8.647	98	239351	49.736	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	11.079	95	83506	51.472	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.940%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	30493	19.916	ug/l	96
3) Chloromethane	1.300	50	35876	19.252	ug/l	98
4) Vinyl Chloride	1.374	62	32947	18.250	ug/l	99
5) Bromomethane	1.593	94	12665	23.444	ug/l	95
6) Chloroethane	1.672	64	18270	24.073	ug/l	98
7) Trichlorofluoromethane	1.880	101	46110	20.197	ug/l	96
8) Diethyl Ether	2.130	74	16287	19.671	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	27143	19.677	ug/l	98
10) Methyl Iodide	2.447	142	35949	20.109	ug/l	98
11) Tert butyl alcohol	2.971	59	29984	101.141	ug/l	98
12) 1,1-Dichloroethene	2.312	96	26636	18.930	ug/l	97
13) Acrolein	2.233	56	32589	106.546	ug/l	98
14) Allyl chloride	2.660	41	48808	19.193	ug/l	97
15) Acrylonitrile	3.062	53	83287	105.222	ug/l	100
16) Acetone	2.380	43	69215	107.742	ug/l	99
17) Carbon Disulfide	2.508	76	65690	17.025	ug/l	97
18) Methyl Acetate	2.703	43	43622	21.518	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	88083	19.675	ug/l	99
20) Methylene Chloride	2.782	84	30381	19.308	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	25933	18.726	ug/l	92
22) Diisopropyl ether	3.757	45	97720	20.312	ug/l	92
23) Vinyl Acetate	3.715	43	389140	99.216	ug/l	98
24) 1,1-Dichloroethane	3.605	63	53879	20.015	ug/l	99
25) 2-Butanone	4.550	43	111260	106.657	ug/l	96
26) 2,2-Dichloropropane	4.464	77	40129	18.798	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	32961	19.815	ug/l	98
28) Bromochloromethane	4.897	49	23212	17.943	ug/l	99
29) Tetrahydrofuran	5.001	42	72346	104.443	ug/l	99
30) Chloroform	5.086	83	53725	20.580	ug/l	98
31) Cyclohexane	5.464	56	46821	18.867	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	43492	19.641	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35991	19.602	ug/l	100
37) Ethyl Acetate	4.714	43	41720	20.428	ug/l	100
38) Carbon Tetrachloride	5.672	117	36299	20.174	ug/l	96
39) Methylcyclohexane	7.372	83	46927	19.769	ug/l	98
40) Benzene	6.031	78	114429	19.958	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044951.D
 Acq On : 14 Feb 2025 11:14
 Operator : JC/MD
 Sample : VX0214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Quant Time: Feb 14 22:11:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	23705	21.685	ug/l	100
42) 1,2-Dichloroethane	6.080	62	39785	21.773	ug/l	99
43) Isopropyl Acetate	6.336	43	67687	20.524	ug/l	98
44) Trichloroethene	7.123	130	25978	19.823	ug/l	99
45) 1,2-Dichloropropane	7.427	63	28734	20.145	ug/l	96
46) Dibromomethane	7.580	93	20163	20.383	ug/l	98
47) Bromodichloromethane	7.818	83	40024	20.896	ug/l	97
48) Methyl methacrylate	7.690	41	32249	20.739	ug/l	98
49) 1,4-Dioxane	7.659	88	14784	443.128	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	225966	112.703	ug/l	97
52) Toluene	8.714	92	69748	20.427	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	37169	19.176	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	43416	20.090	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	27886	21.245	ug/l	98
56) Ethyl methacrylate	9.116	69	42444	20.021	ug/l	98
57) 1,3-Dichloropropane	9.305	76	47815	20.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	107373	103.151	ug/l	100
59) 2-Hexanone	9.427	43	166655	115.365	ug/l	97
60) Dibromochloromethane	9.518	129	29087	20.721	ug/l	98
61) 1,2-Dibromoethane	9.604	107	28155	21.163	ug/l	97
64) Tetrachloroethene	9.268	164	22728	20.951	ug/l	96
65) Chlorobenzene	10.079	112	74635	20.200	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	23206	19.514	ug/l	95
67) Ethyl Benzene	10.189	91	131698	20.199	ug/l	99
68) m/p-Xylenes	10.299	106	98883	41.113	ug/l	100
69) o-Xylene	10.640	106	48694	20.177	ug/l	100
70) Styrene	10.652	104	81730	21.020	ug/l	100
71) Bromoform	10.799	173	18416	20.750	ug/l #	100
73) Isopropylbenzene	10.957	105	124187	19.326	ug/l	99
74) N-amyl acetate	10.841	43	57217	19.677	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	44116	19.979	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	46051	26.026	ug/l	85
77) Bromobenzene	11.195	156	29893	20.519	ug/l	93
78) n-propylbenzene	11.299	91	144703	19.510	ug/l	100
79) 2-Chlorotoluene	11.360	91	88678	19.454	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	104223	19.987	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11634	16.914	ug/l	91
82) 4-Chlorotoluene	11.451	91	99533	19.736	ug/l	99
83) tert-Butylbenzene	11.713	119	104653	19.838	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	104819	20.366	ug/l	99
85) sec-Butylbenzene	11.890	105	131498	20.130	ug/l	98
86) p-Isopropyltoluene	12.006	119	106908	20.351	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52788	19.704	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	53421	19.722	ug/l	98
89) n-Butylbenzene	12.329	91	94562	20.347	ug/l	99
90) Hexachloroethane	12.536	117	18131	18.433	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	54507	20.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8250	20.471	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	31211	19.589	ug/l	98
94) Hexachlorobutadiene	13.719	225	12661	20.018	ug/l	99
95) Naphthalene	13.774	128	114238	19.835	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	32268	20.099	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044951.D
Acq On : 14 Feb 2025 11:14
Operator : JC/MD
Sample : VX0214WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

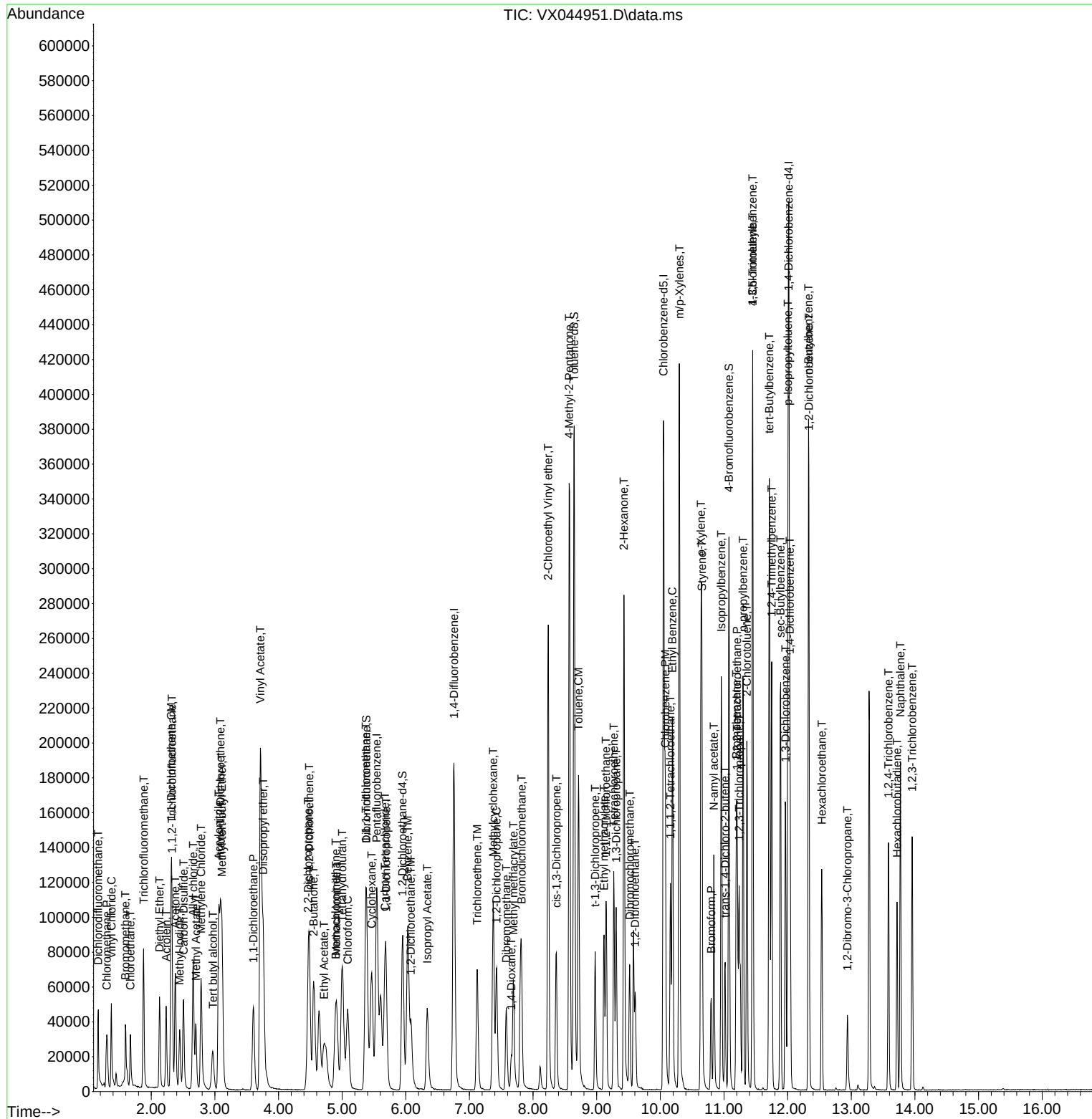
Quant Time: Feb 14 22:11:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

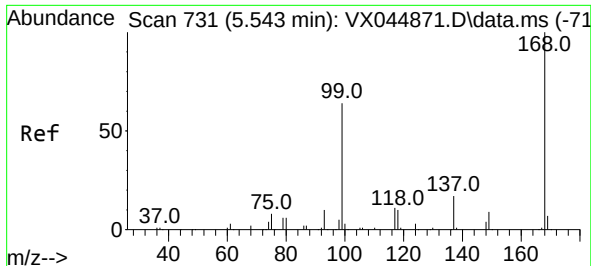
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Quant Time: Feb 14 22:11:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

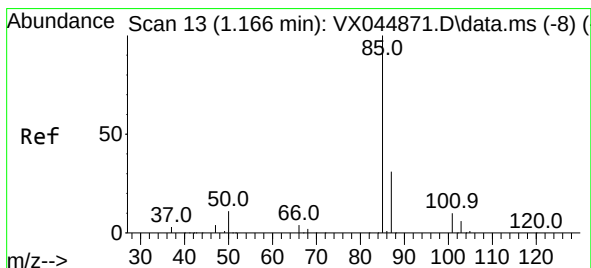
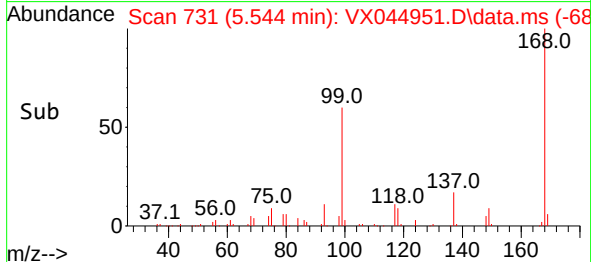
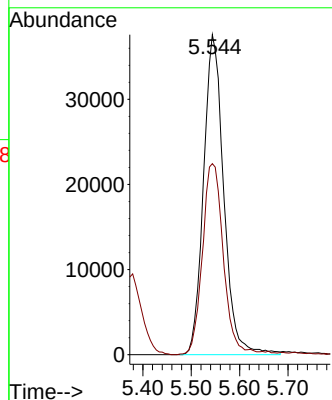
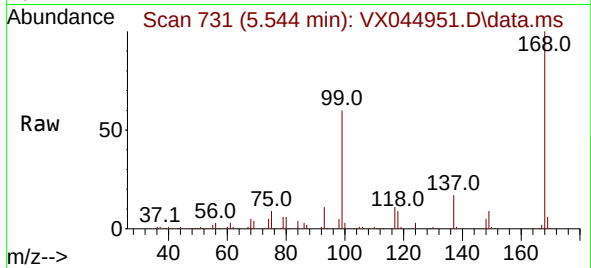




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

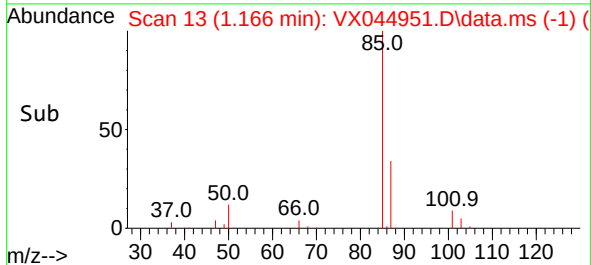
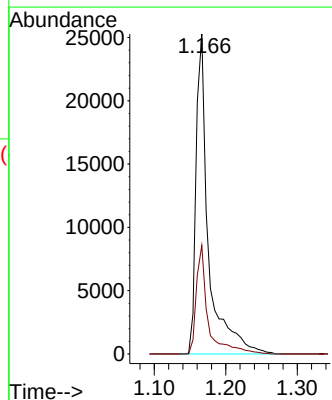
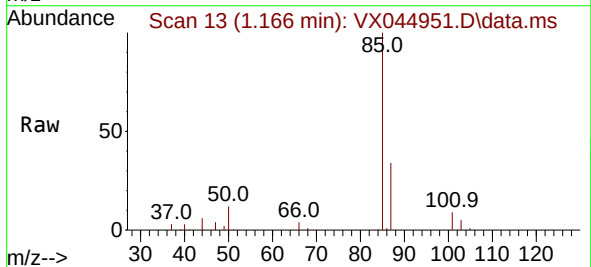
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

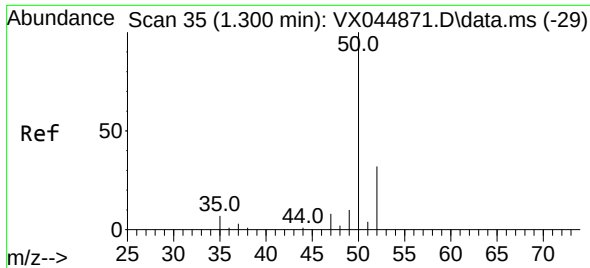
Tgt Ion:168 Resp: 109167
Ion Ratio Lower Upper
168 100
99 59.5 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 19.916 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 85 Resp: 30493
Ion Ratio Lower Upper
85 100
87 33.9 15.8 47.3

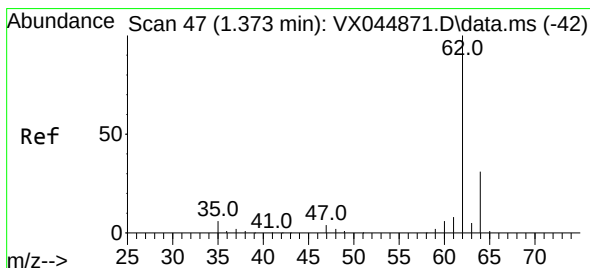
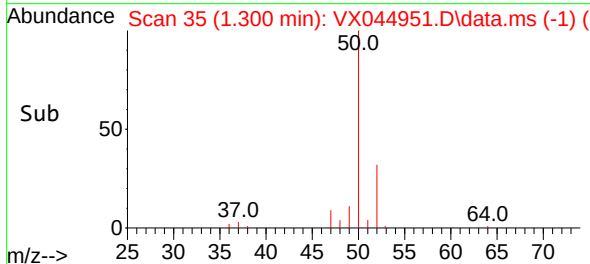
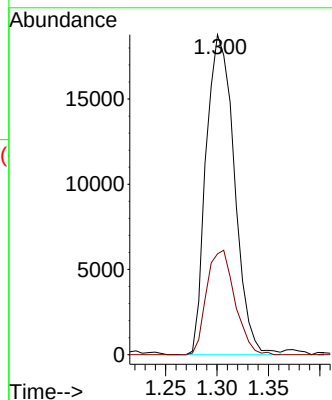
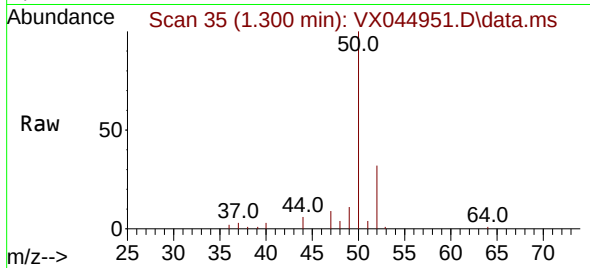




#3
Chloromethane
Concen: 19.252 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

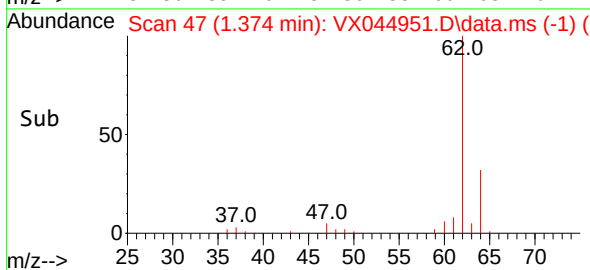
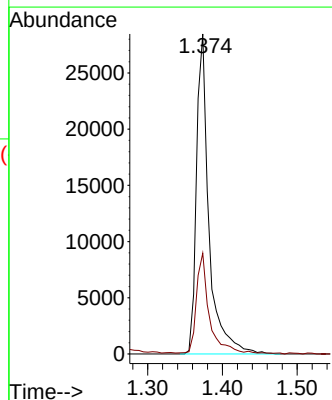
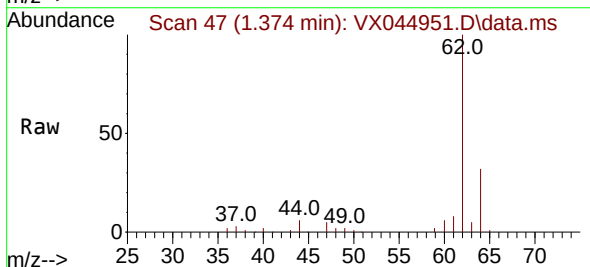
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

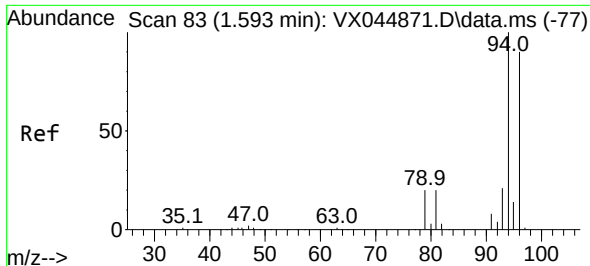
Tgt Ion: 50 Resp: 35876
Ion Ratio Lower Upper
50 100
52 31.5 25.9 38.9



#4
Vinyl Chloride
Concen: 18.250 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 62 Resp: 32947
Ion Ratio Lower Upper
62 100
64 31.2 25.4 38.0

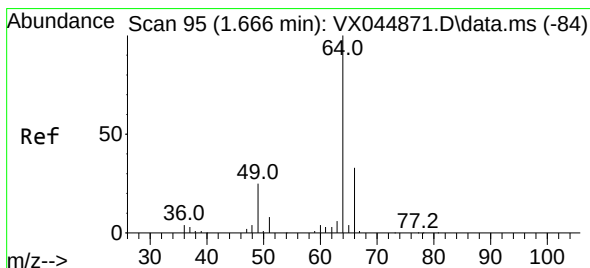
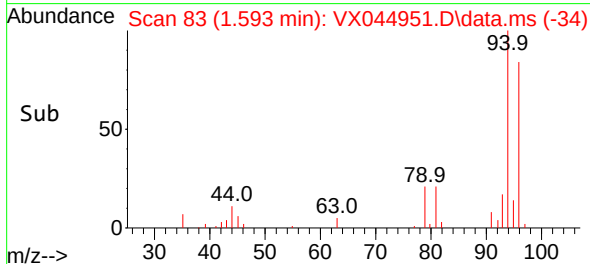
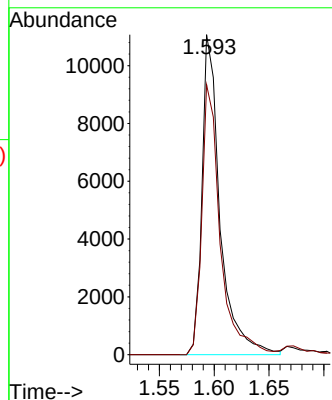
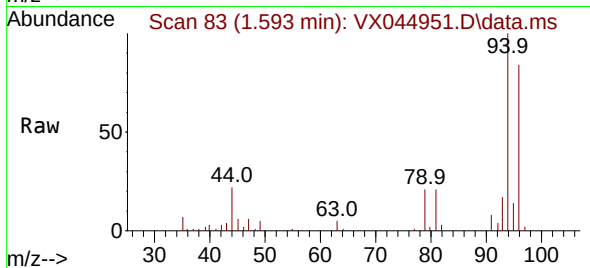




#5
Bromomethane
Concen: 23.444 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

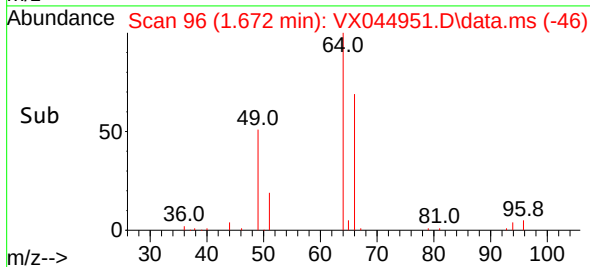
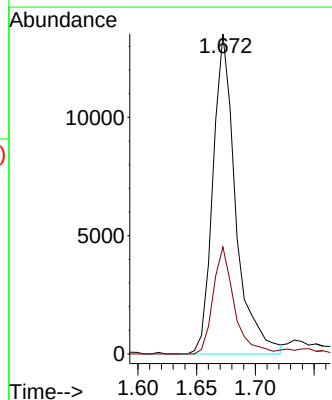
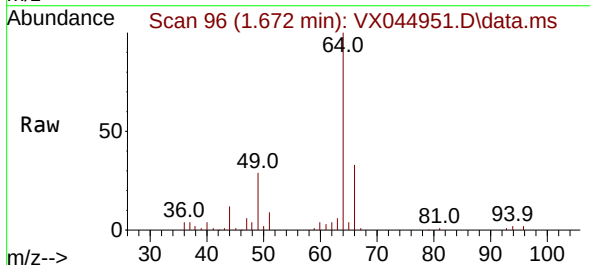
Instrument :
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ClientSampleId :
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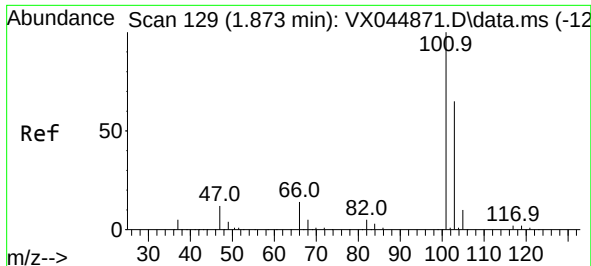
Tgt Ion: 94 Resp: 12665
Ion Ratio Lower Upper
94 100
96 84.3 71.6 107.4



#6
Chloroethane
Concen: 24.073 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 64 Resp: 18270
Ion Ratio Lower Upper
64 100
66 33.4 25.9 38.9

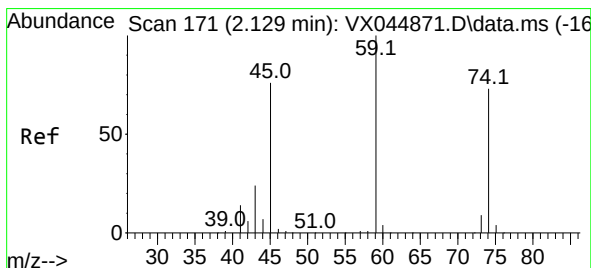
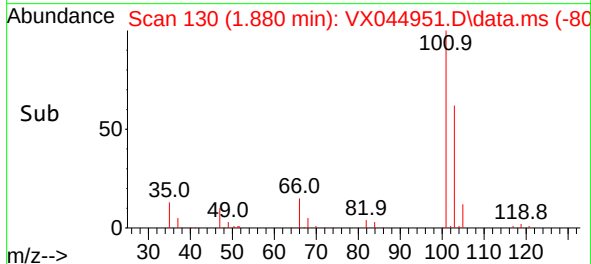
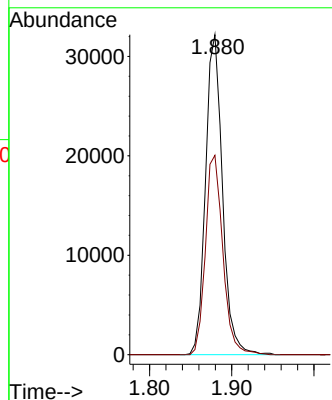
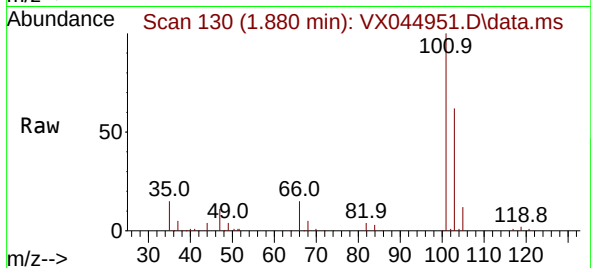




#7
Trichlorofluoromethane
Concen: 20.197 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

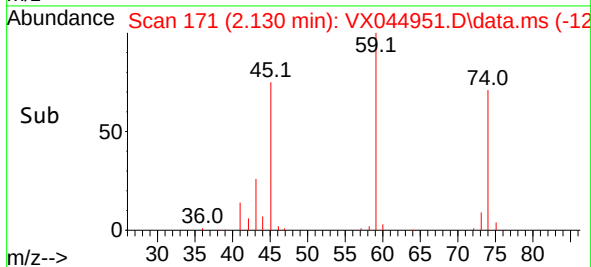
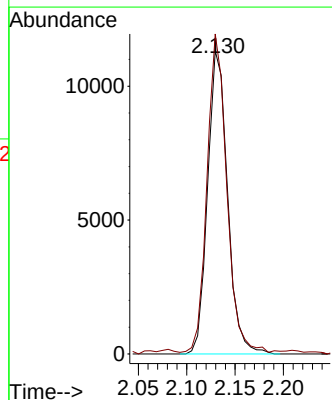
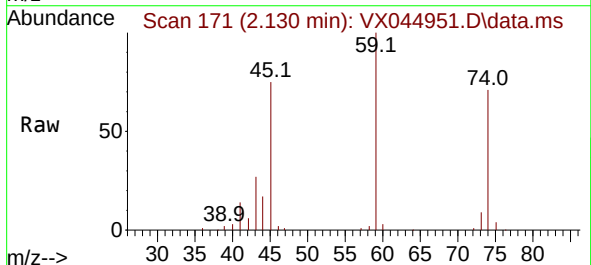
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

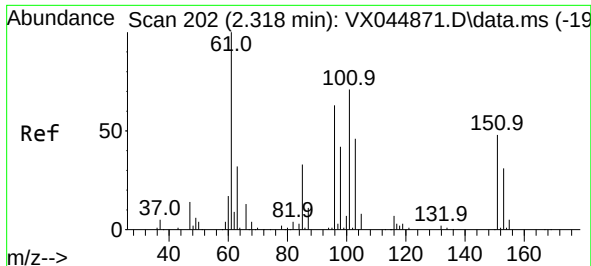
Tgt Ion:101 Resp: 46110
Ion Ratio Lower Upper
101 100
103 62.3 52.4 78.6



#8
Diethyl Ether
Concen: 19.671 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 74 Resp: 16287
Ion Ratio Lower Upper
74 100
45 103.4 51.1 153.4

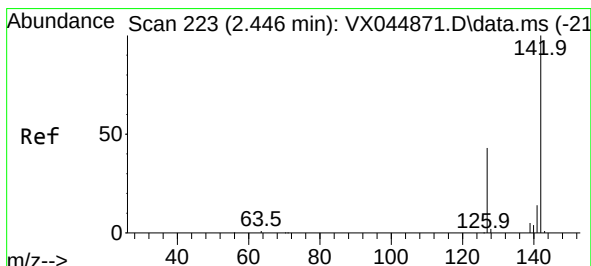
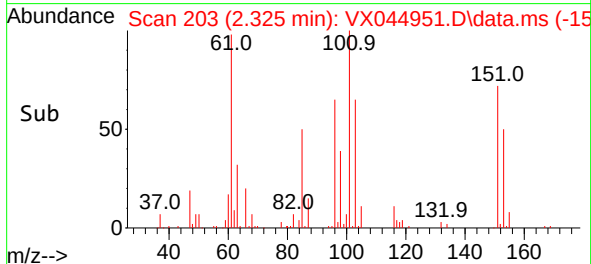
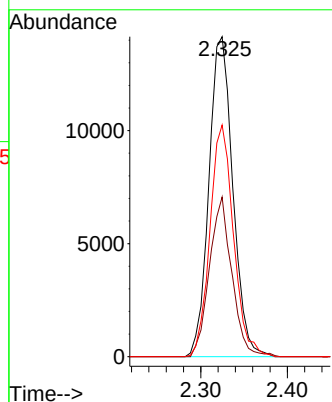
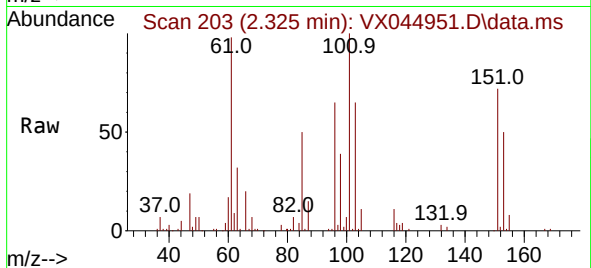




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.677 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

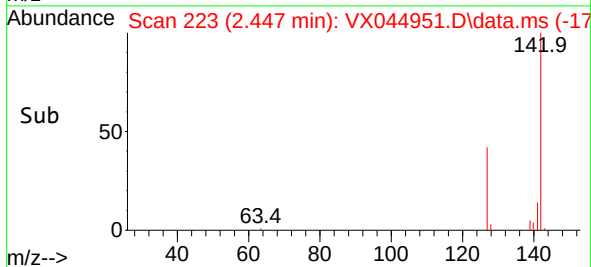
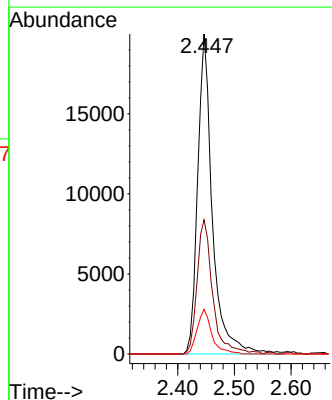
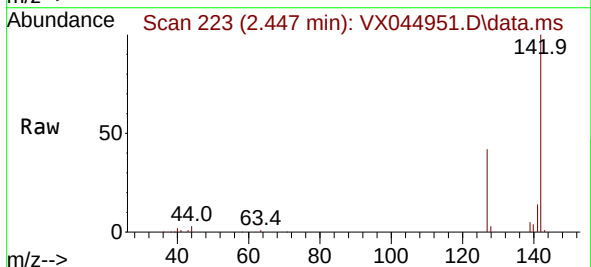
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

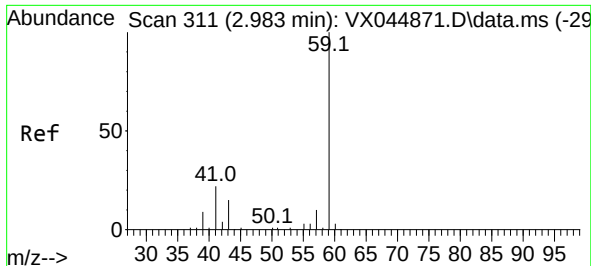
Tgt Ion:101 Resp: 27143
Ion Ratio Lower Upper
101 100
85 46.9 35.7 53.5
151 71.4 56.0 84.0



#10
Methyl Iodide
Concen: 20.109 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:142 Resp: 35949
Ion Ratio Lower Upper
142 100
127 44.3 34.3 51.5
141 13.8 11.4 17.2

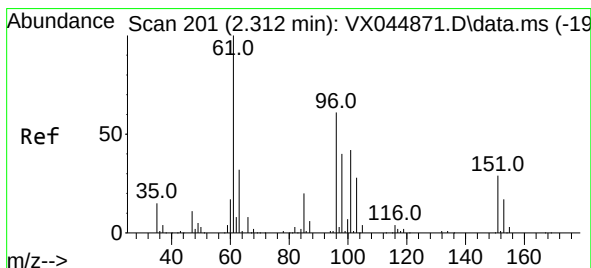
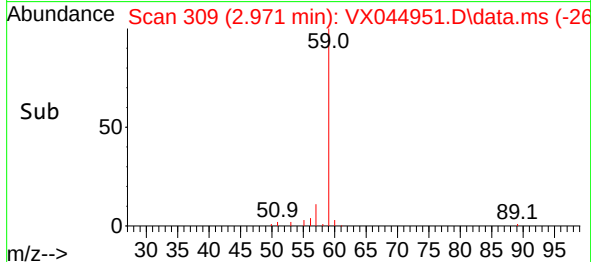
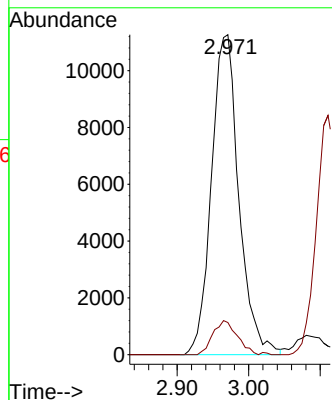
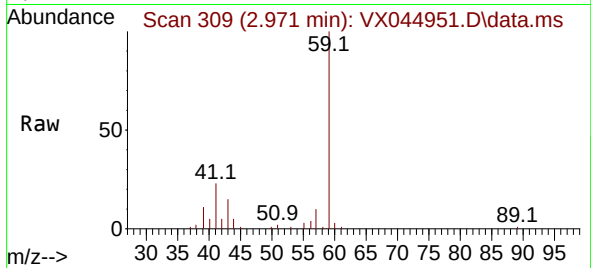




#11
Tert butyl alcohol
Concen: 101.141 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

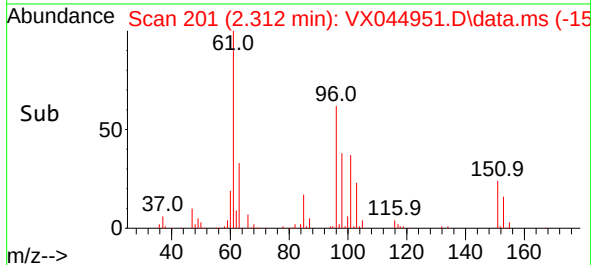
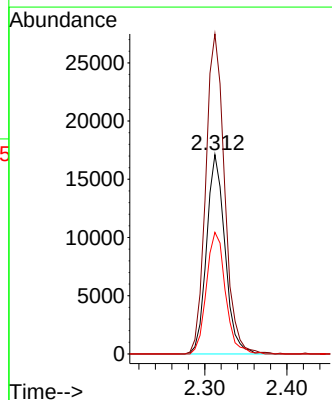
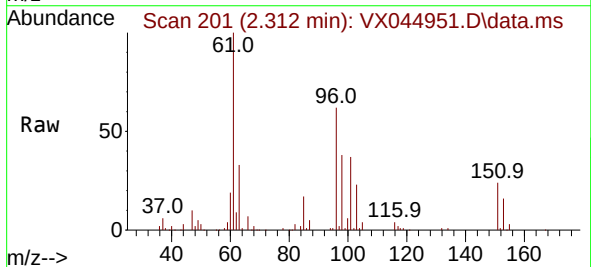
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

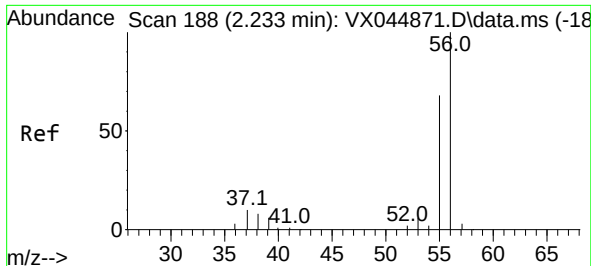
Tgt Ion: 59 Resp: 29984
Ion Ratio Lower Upper
59 100
57 9.4 8.1 12.1



#12
1,1-Dichloroethene
Concen: 18.930 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 96 Resp: 26636
Ion Ratio Lower Upper
96 100
61 160.5 130.2 195.4
98 61.0 52.2 78.4

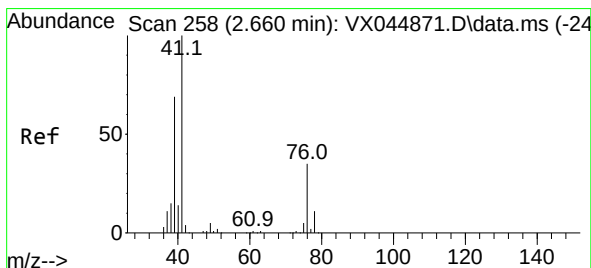
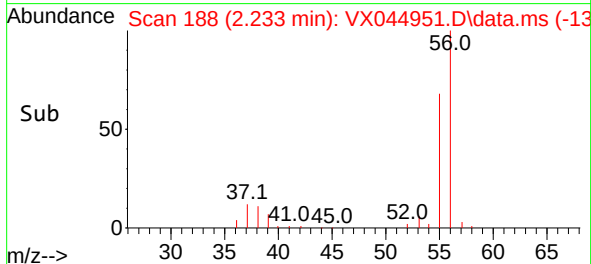
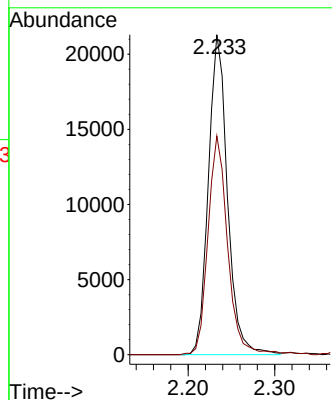
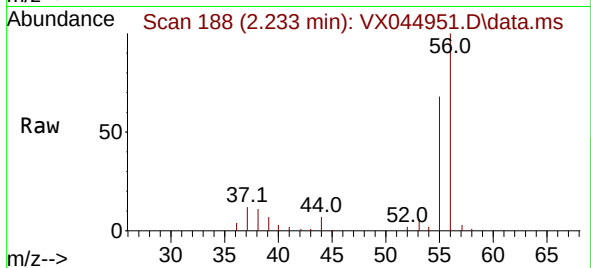




#13
Acrolein
Concen: 106.546 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

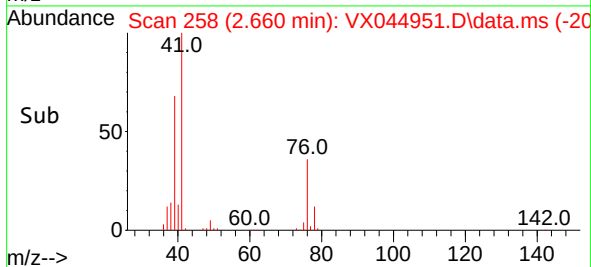
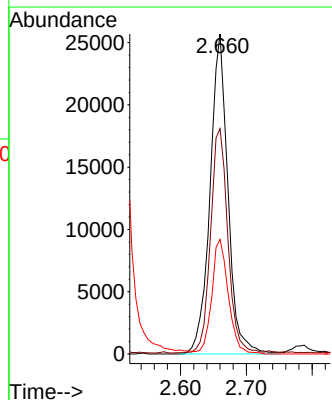
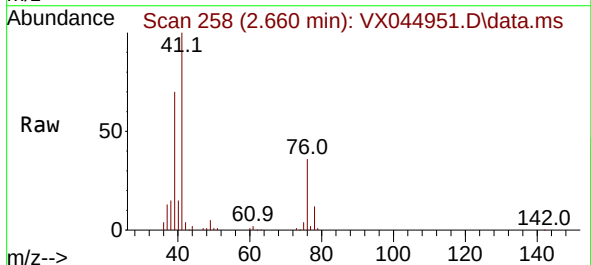
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

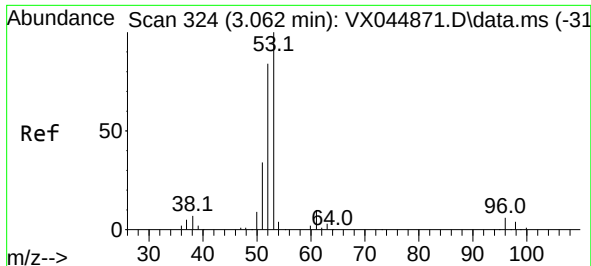
Tgt Ion: 56 Resp: 32589
Ion Ratio Lower Upper
56 100
55 70.9 55.7 83.5



#14
Allyl chloride
Concen: 19.193 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 41 Resp: 48808
Ion Ratio Lower Upper
41 100
39 67.1 51.4 77.2
76 32.9 27.0 40.4

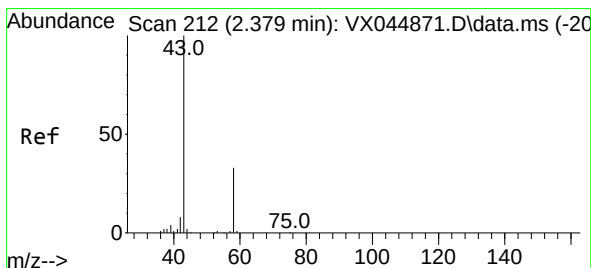
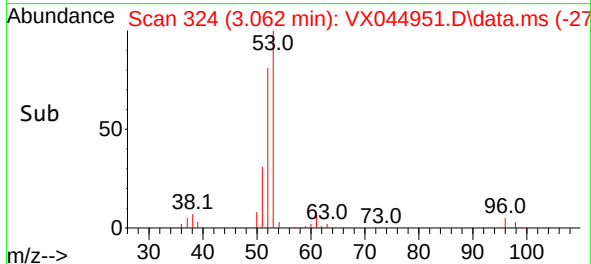
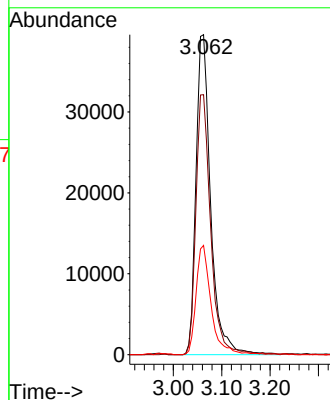
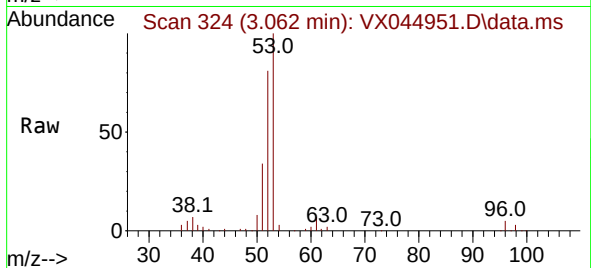




#15
Acrylonitrile
Concen: 105.222 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

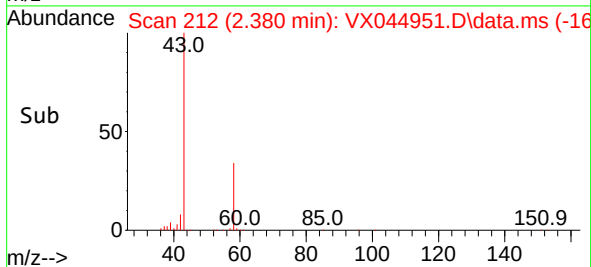
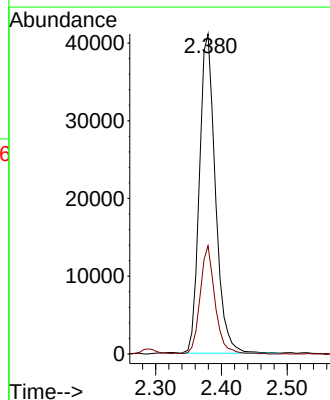
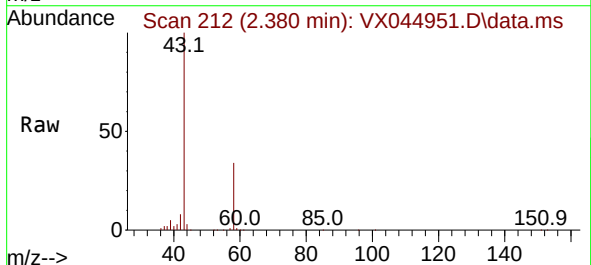
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

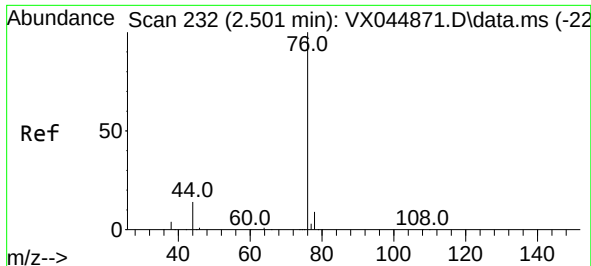
Tgt Ion: 53 Resp: 83287
Ion Ratio Lower Upper
53 100
52 81.7 65.0 97.6
51 35.1 28.0 42.0



#16
Acetone
Concen: 107.742 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 43 Resp: 69215
Ion Ratio Lower Upper
43 100
58 33.9 26.5 39.7

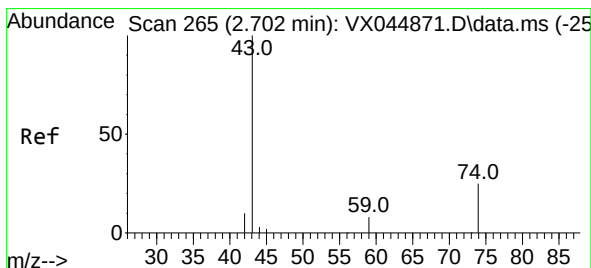
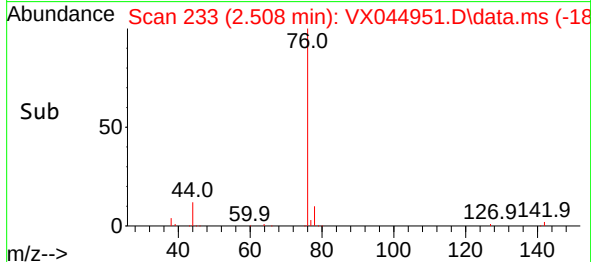
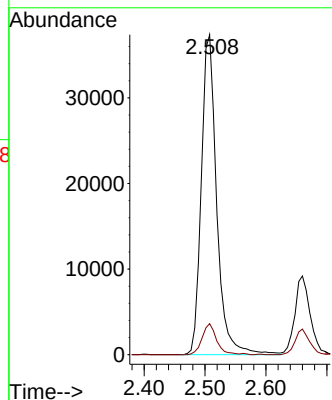
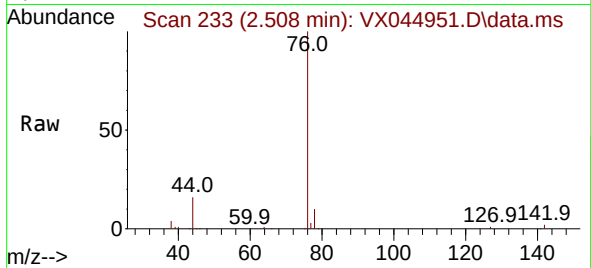




#17
Carbon Disulfide
Concen: 17.025 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

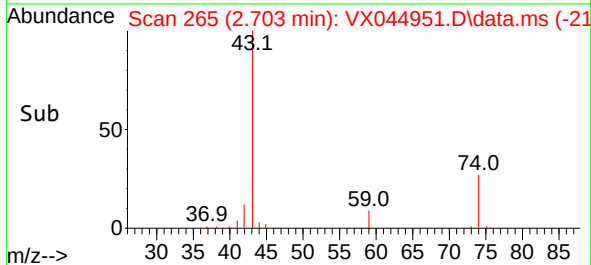
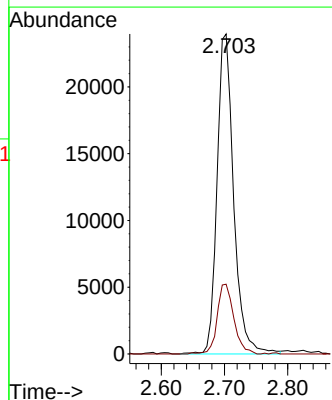
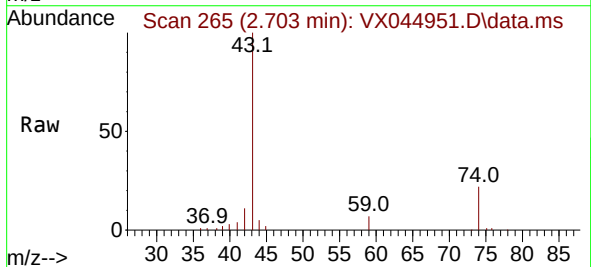
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

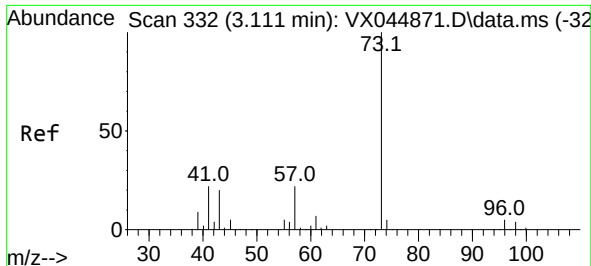
Tgt Ion: 76 Resp: 65690
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4



#18
Methyl Acetate
Concen: 21.518 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 43 Resp: 43622
Ion Ratio Lower Upper
43 100
74 21.9 18.9 28.3

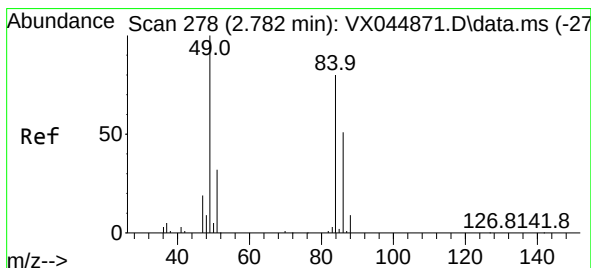
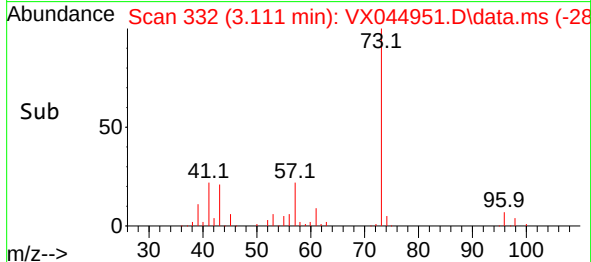
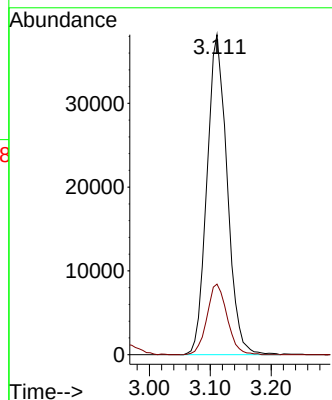
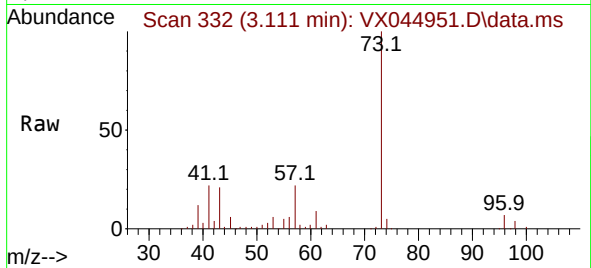




#19
Methyl tert-butyl Ether
Concen: 19.675 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

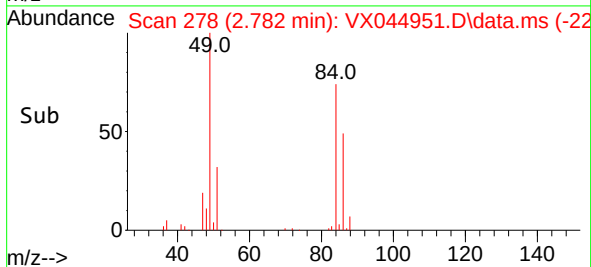
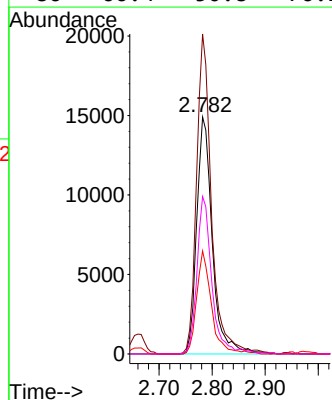
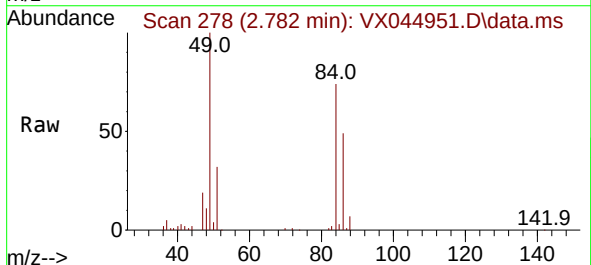
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

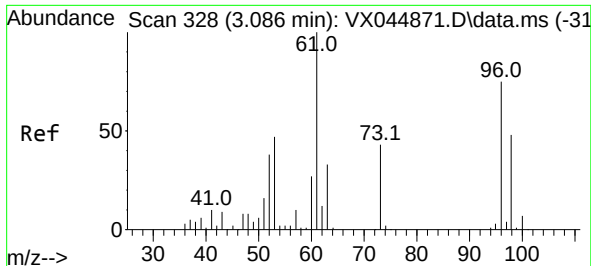
Tgt Ion: 73 Resp: 88083
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9



#20
Methylene Chloride
Concen: 19.308 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 84 Resp: 30381
Ion Ratio Lower Upper
84 100
49 135.1 100.1 150.1
51 43.5 31.7 47.5
86 66.4 50.8 76.2

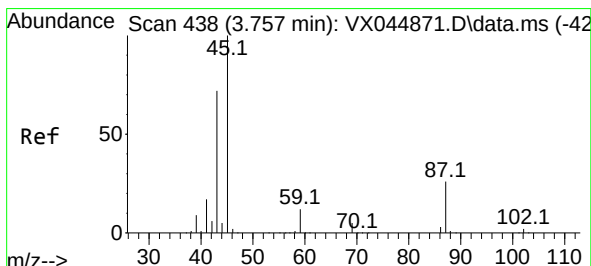
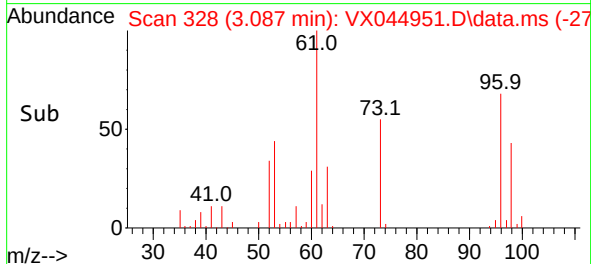
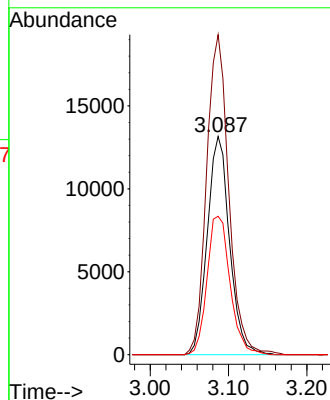
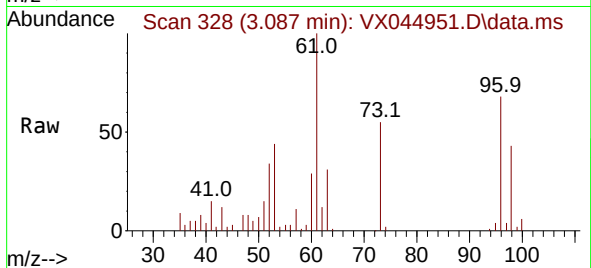




#21
trans-1,2-Dichloroethene
Concen: 18.726 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

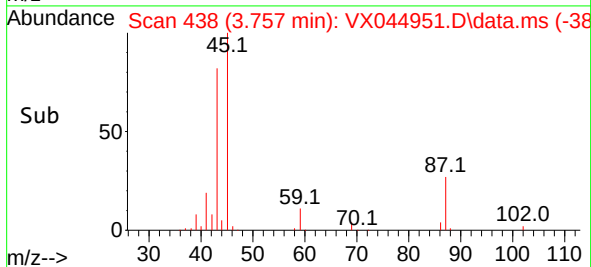
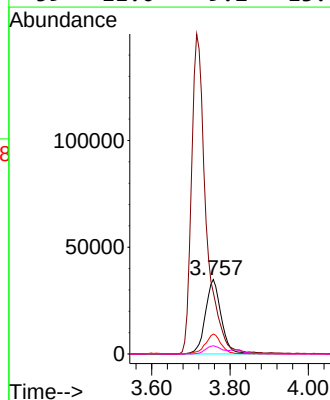
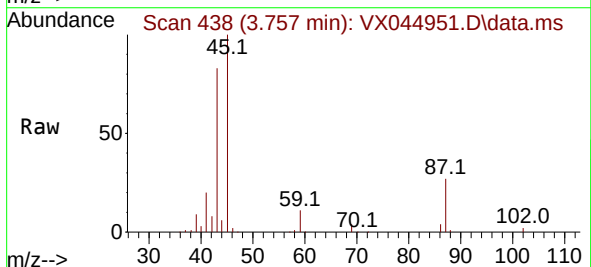
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

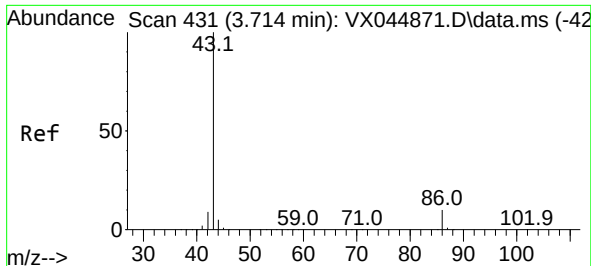
Tgt Ion: 96 Resp: 25933
Ion Ratio Lower Upper
96 100
61 146.6 106.0 159.0
98 63.4 50.6 76.0



#22
Diisopropyl ether
Concen: 20.312 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 45 Resp: 97720
Ion Ratio Lower Upper
45 100
43 82.0 58.0 87.0
87 26.6 20.7 31.1
59 11.0 9.2 13.8

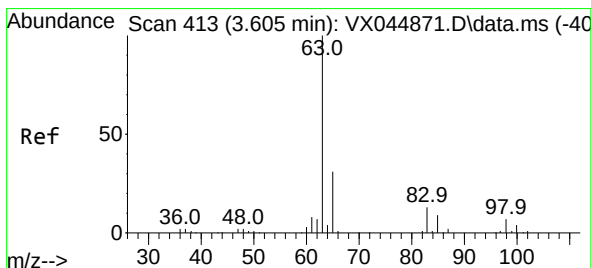
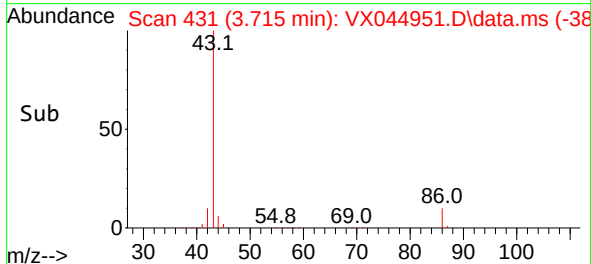
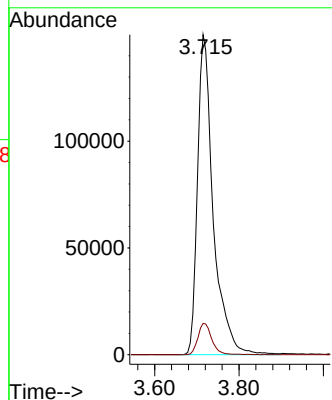
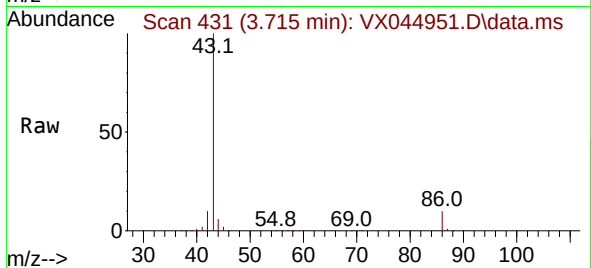




#23
 Vinyl Acetate
 Concen: 99.216 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

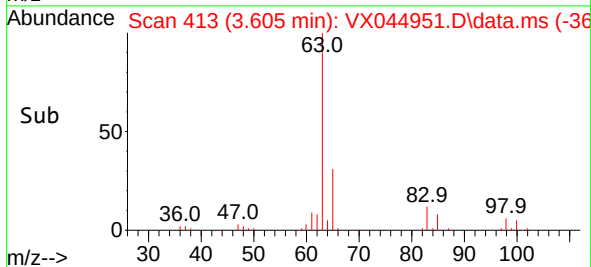
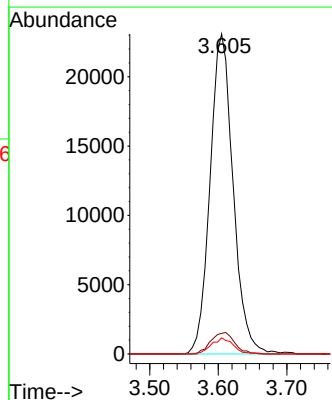
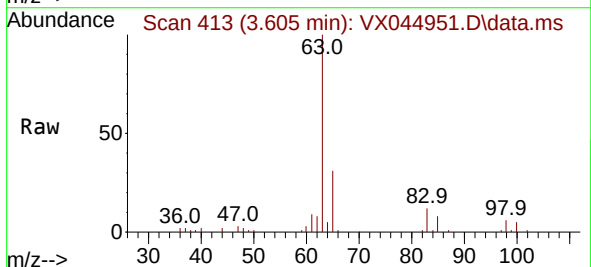
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

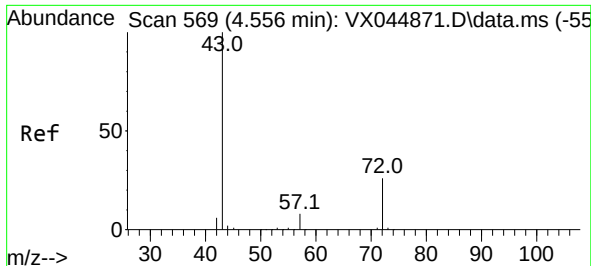
Tgt Ion: 43 Resp: 389140
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.015 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

Tgt Ion: 63 Resp: 53879
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 5.1 2.1 6.5

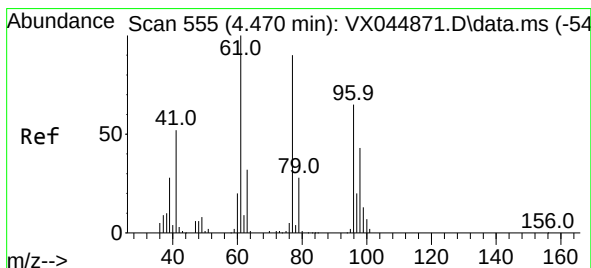
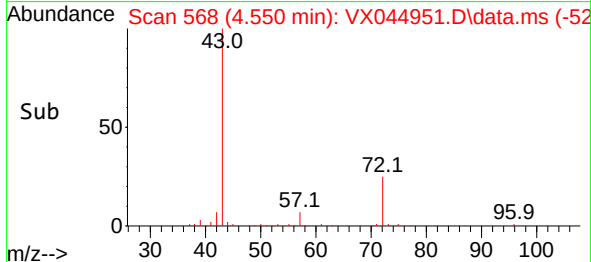
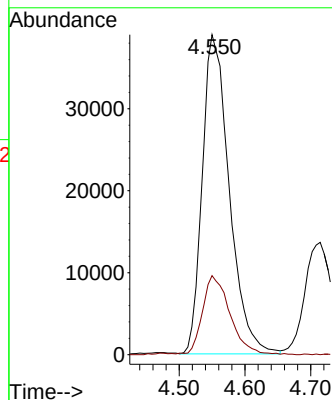
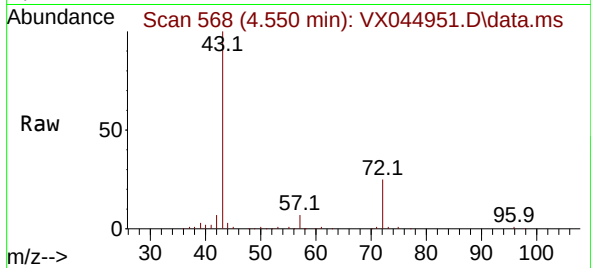




#25
2-Butanone
Concen: 106.657 ug/l
RT: 4.550 min Scan# 511
Delta R.T. -0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

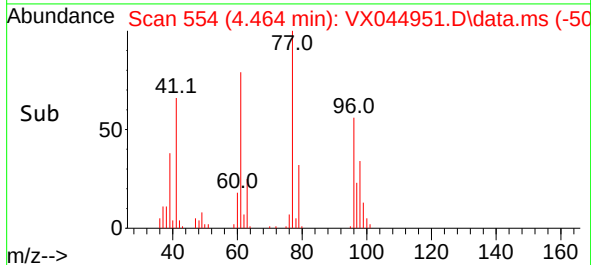
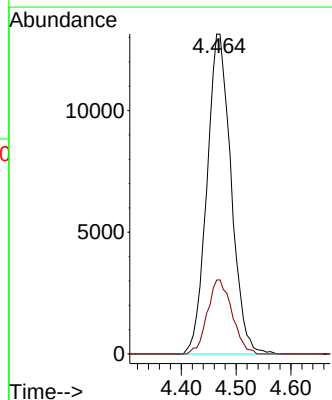
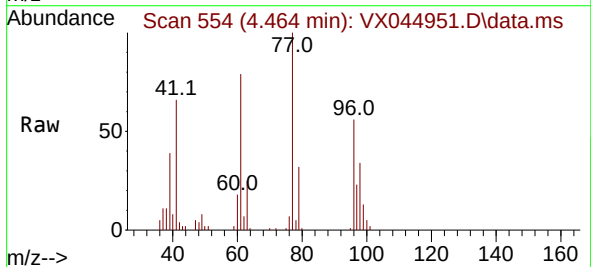
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

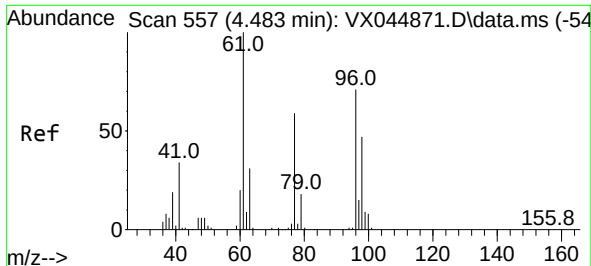
Tgt Ion: 43 Resp: 111260
Ion Ratio Lower Upper
43 100
72 24.6 21.2 31.8



#26
2,2-Dichloropropane
Concen: 18.798 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 77 Resp: 40129
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3

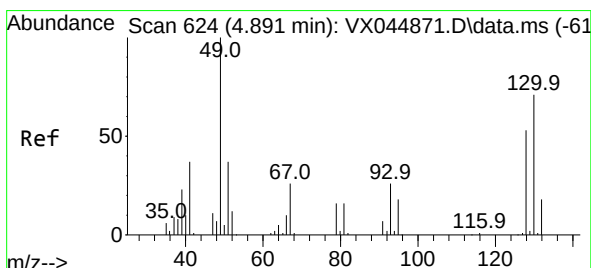
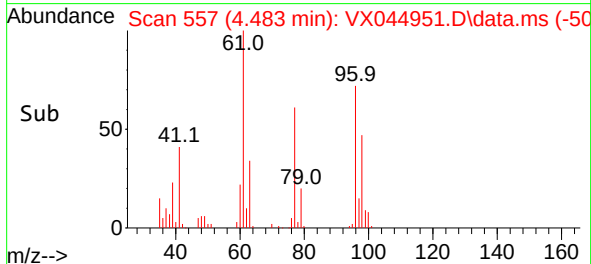
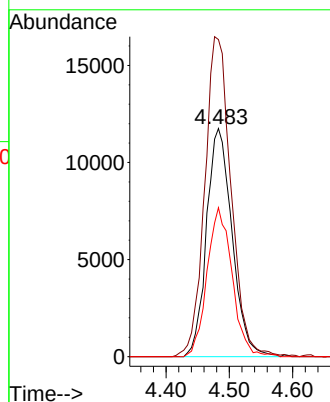
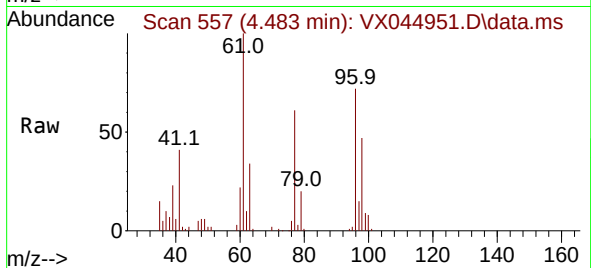




#27
 cis-1,2-Dichloroethene
 Concen: 19.815 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

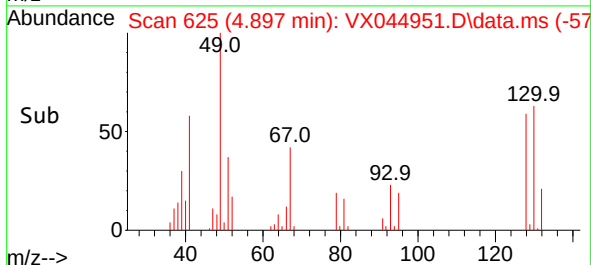
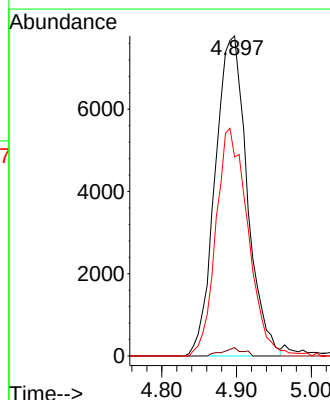
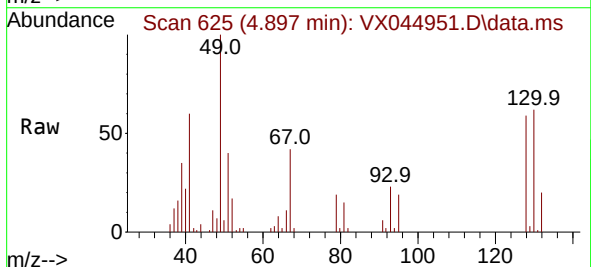
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

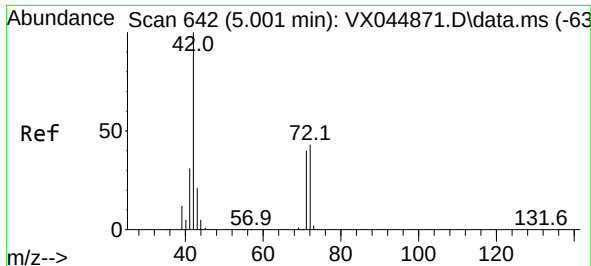
Tgt Ion: 96	Resp: 32961
Ion Ratio	Lower Upper
96 100	
61 144.9	0.0 294.0
98 64.2	0.0 131.2



#28
 Bromochloromethane
 Concen: 17.943 ug/l
 RT: 4.897 min Scan# 625
 Delta R.T. 0.006 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

Tgt Ion: 49	Resp: 23212
Ion Ratio	Lower Upper
49 100	
129 1.6	0.0 3.6
130 71.4	56.7 85.1

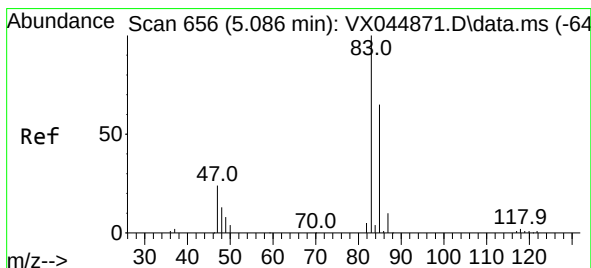
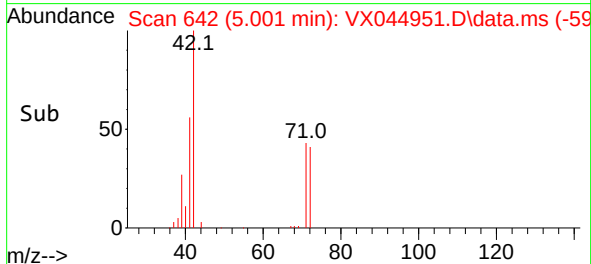
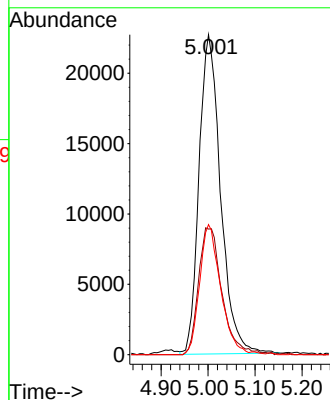
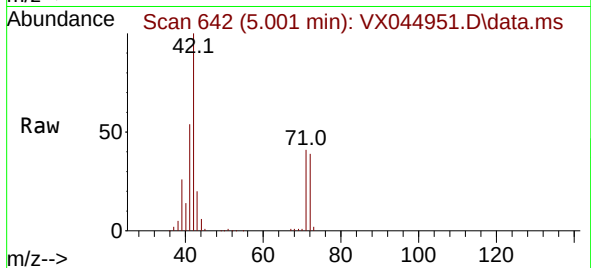




#29
Tetrahydrofuran
Concen: 104.443 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

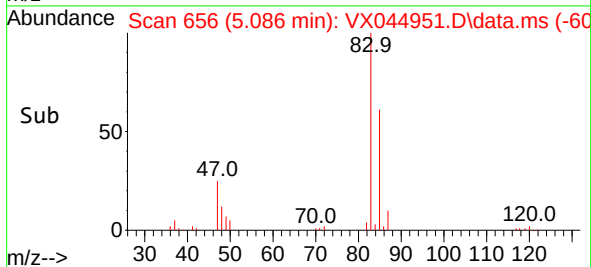
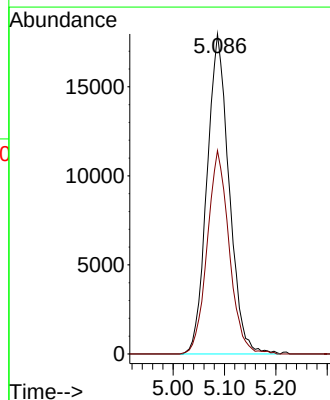
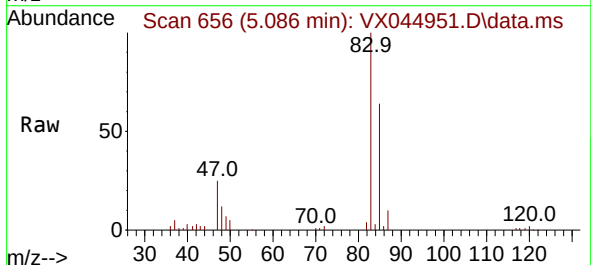
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

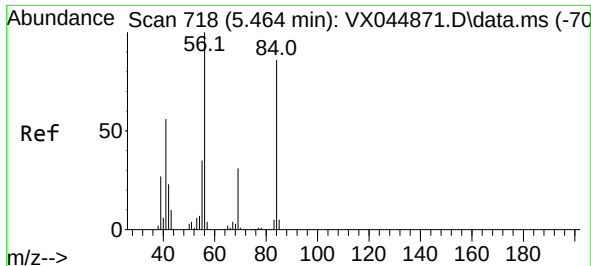
Tgt Ion: 42 Resp: 72346
Ion Ratio Lower Upper
42 100
72 43.2 35.0 52.4
71 40.0 32.6 48.8



#30
Chloroform
Concen: 20.580 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

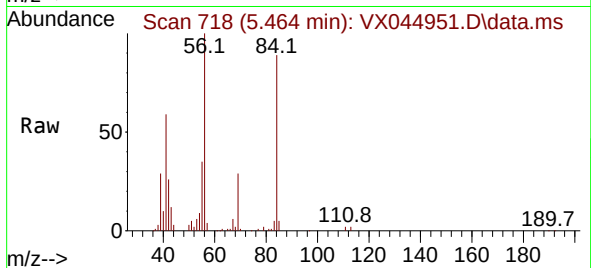
Tgt Ion: 83 Resp: 53725
Ion Ratio Lower Upper
83 100
85 63.6 52.1 78.1



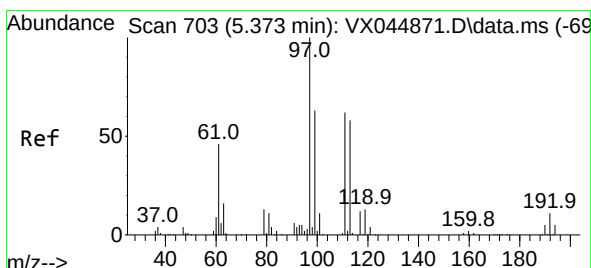
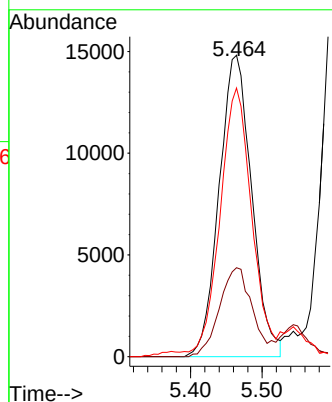
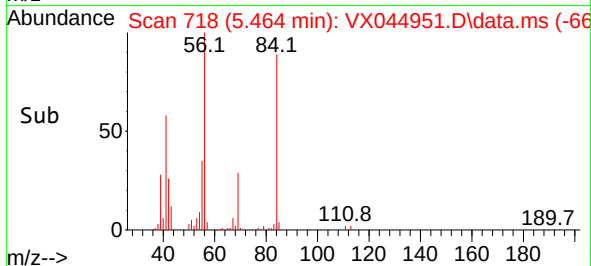


#31
Cyclohexane
Concen: 18.867 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

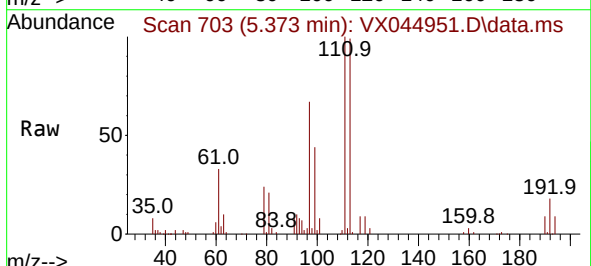
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01



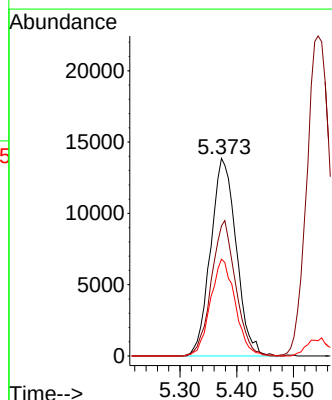
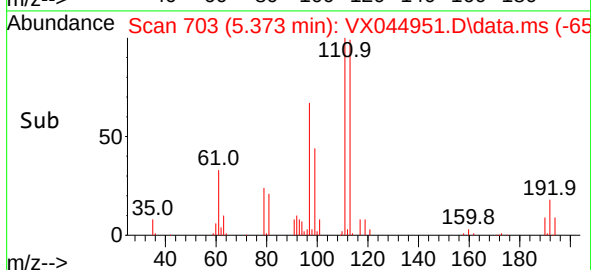
Tgt Ion: 56 Resp: 46821
Ion Ratio Lower Upper
56 100
69 29.5 24.4 36.6
84 87.6 69.0 103.6

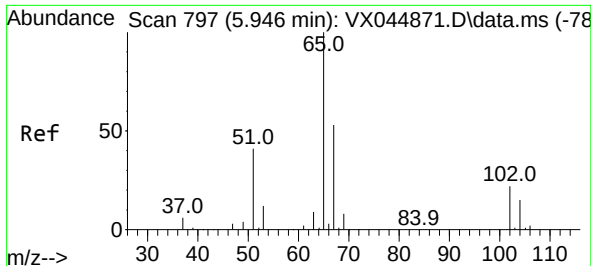


#32
1,1,1-Trichloroethane
Concen: 19.641 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14



Tgt Ion: 97 Resp: 43492
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.6
61 47.3 36.6 55.0

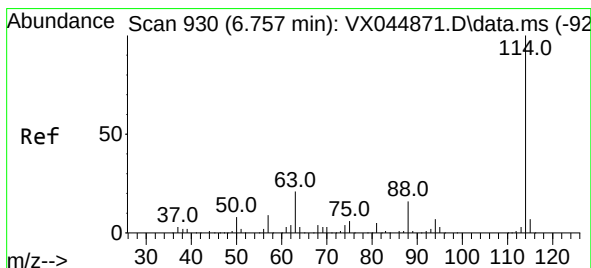
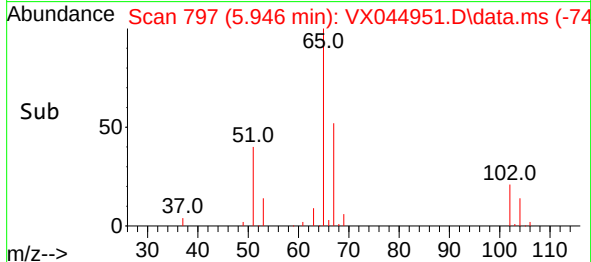
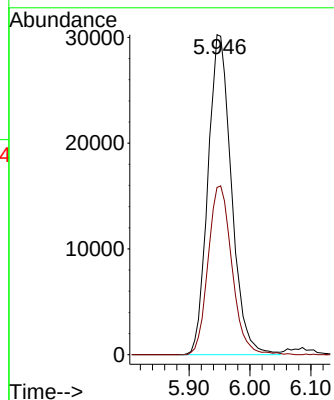
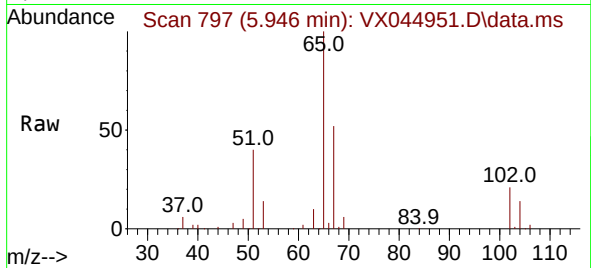




#33
1,2-Dichloroethane-d4
Concen: 50.718 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

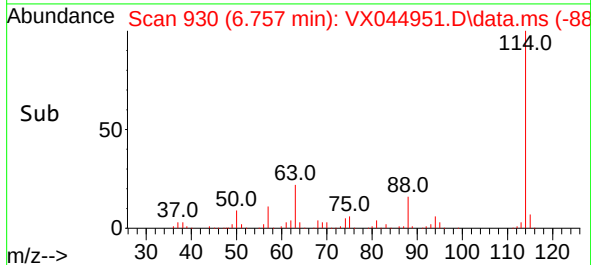
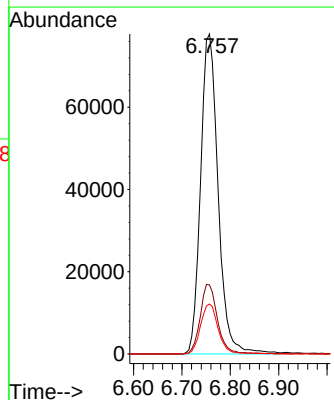
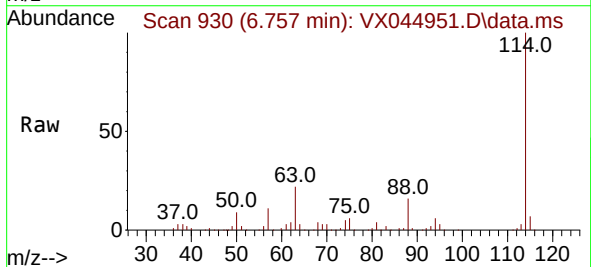
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

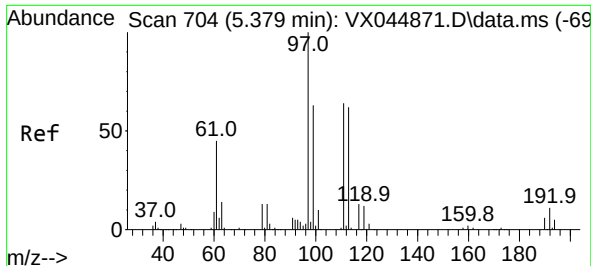
Tgt Ion: 65 Resp: 81048
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 114 Resp: 195743
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 15.6 0.0 31.4

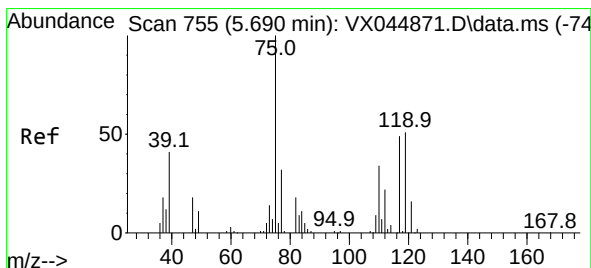
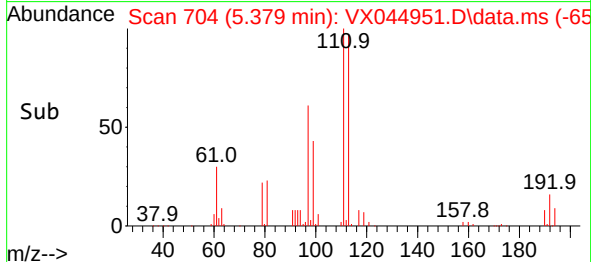
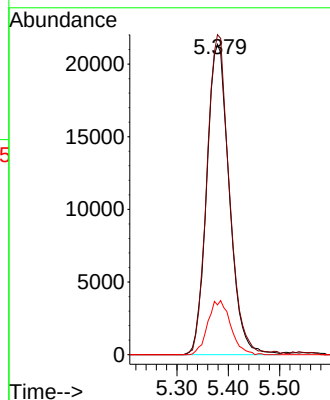
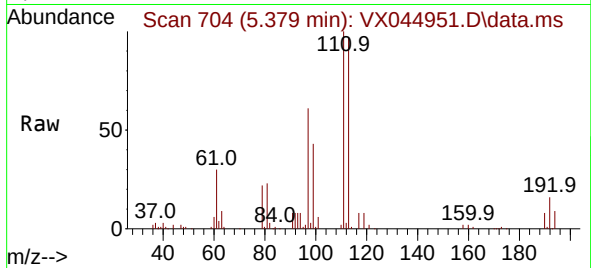




#35
Dibromofluoromethane
Concen: 51.117 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

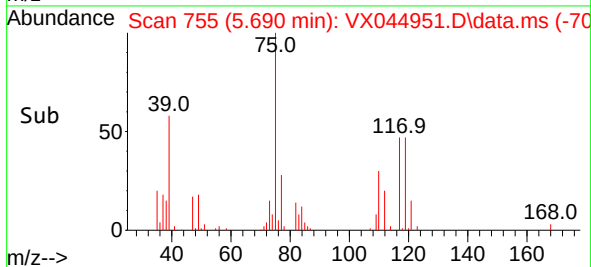
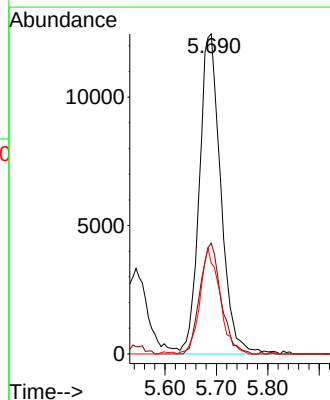
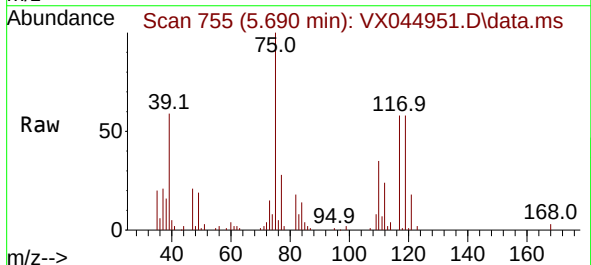
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

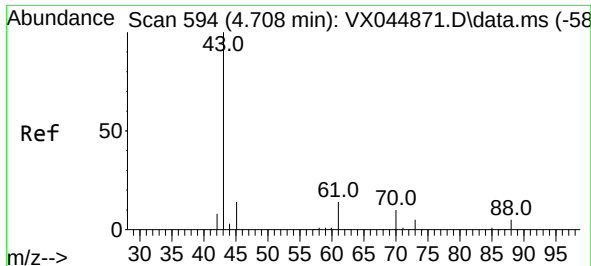
Tgt Ion:113 Resp: 65054
Ion Ratio Lower Upper
113 100
111 102.2 83.5 125.3
192 17.7 14.4 21.6



#36
1,1-Dichloropropene
Concen: 19.602 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 75 Resp: 35991
Ion Ratio Lower Upper
75 100
110 34.1 17.2 51.6
77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 20.428 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

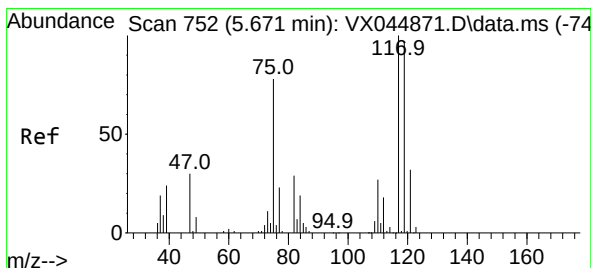
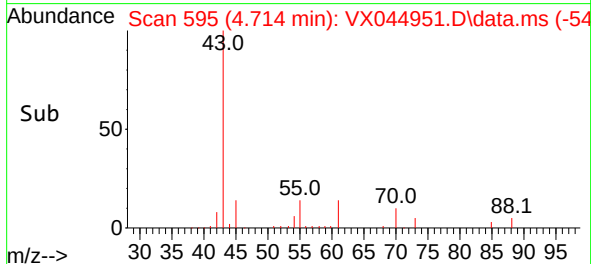
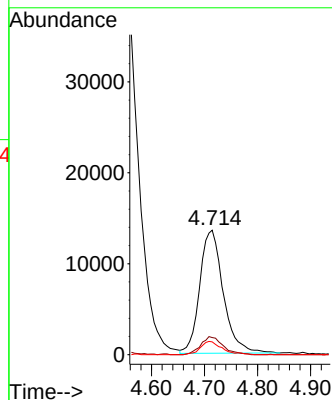
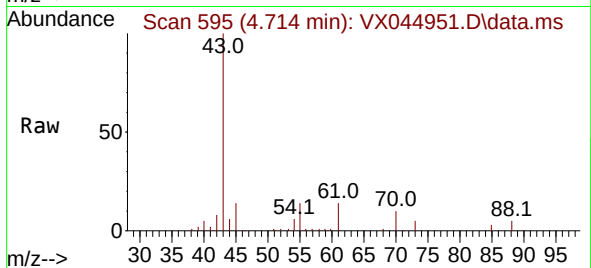
Tgt Ion: 43 Resp: 41720

Ion Ratio Lower Upper

43 100

61 13.8 11.0 16.4

70 9.9 8.2 12.2



#38

Carbon Tetrachloride

Concen: 20.174 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

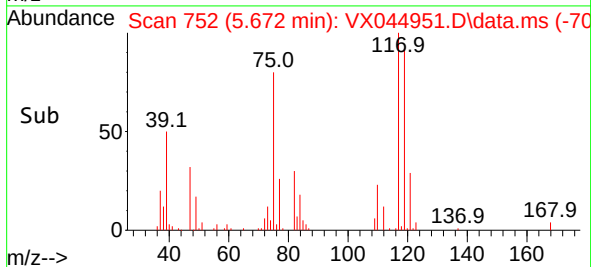
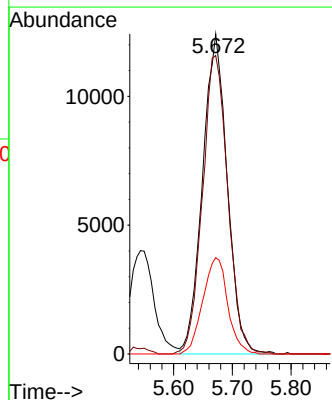
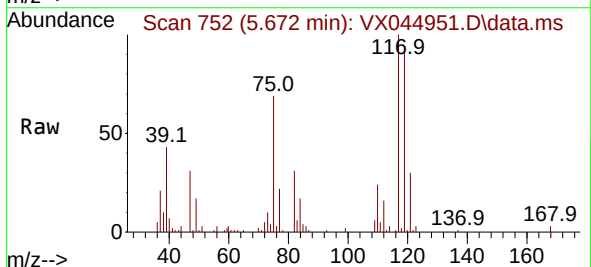
Tgt Ion: 117 Resp: 36299

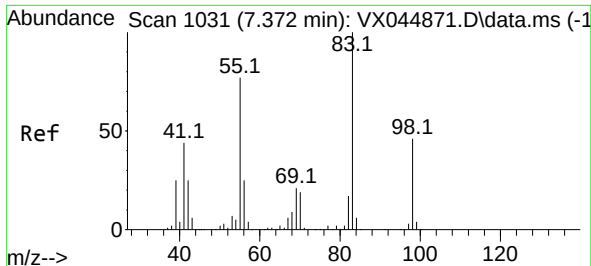
Ion Ratio Lower Upper

117 100

119 93.2 77.5 116.3

121 30.1 25.6 38.4

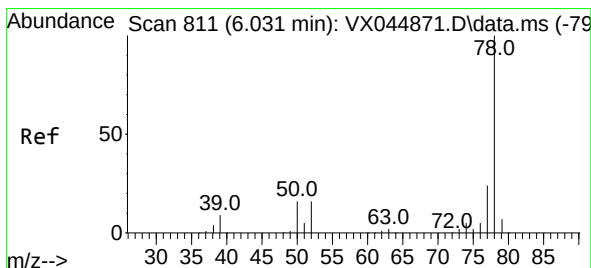
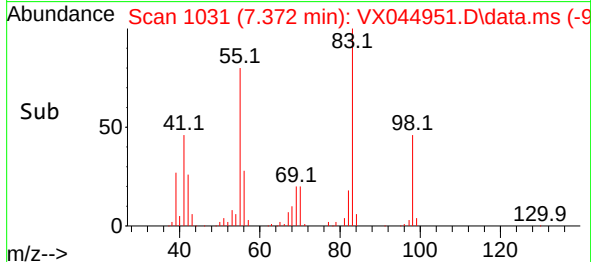
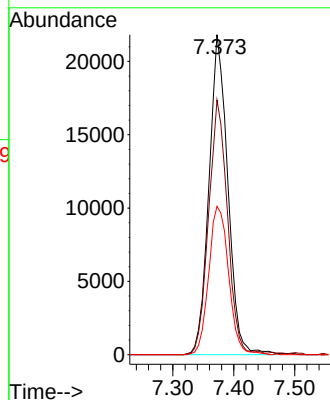
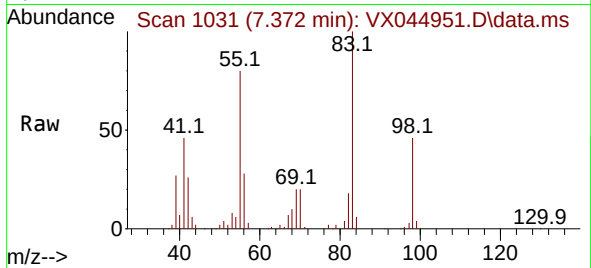




#39
Methylcyclohexane
Concen: 19.769 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

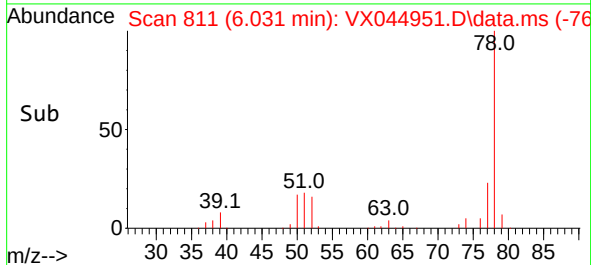
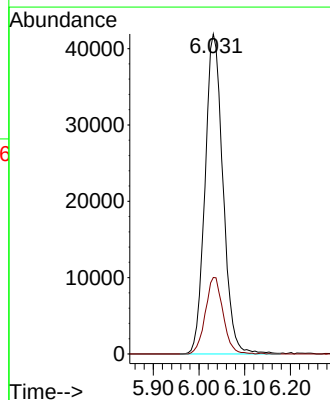
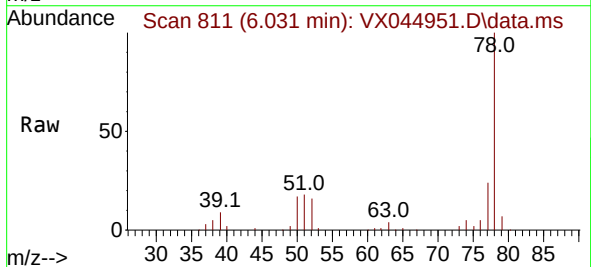
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

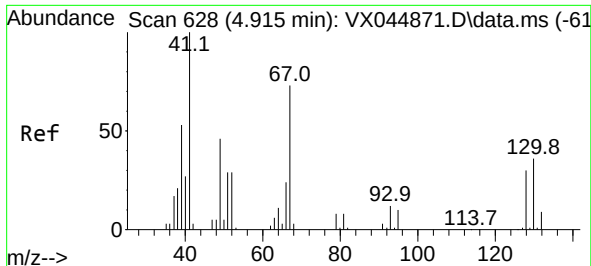
Tgt Ion: 83	Resp: 46927
Ion Ratio	Lower Upper
83 100	
55 79.6	61.3 91.9
98 46.4	37.0 55.6



#40
Benzene
Concen: 19.958 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 78	Resp: 114429
Ion Ratio	Lower Upper
78 100	
77 23.9	19.0 28.6



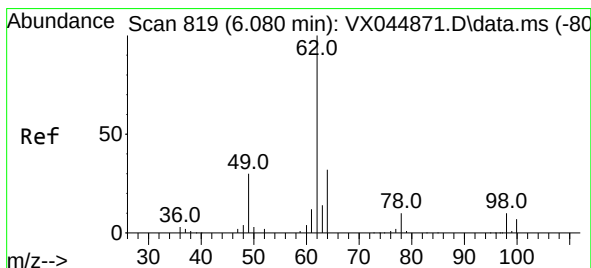
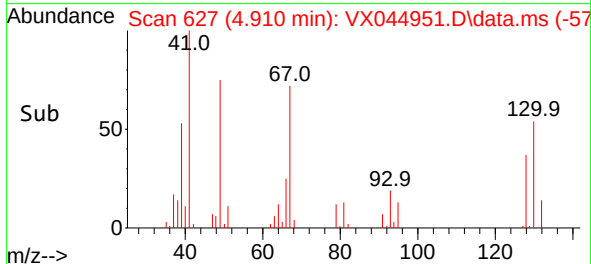
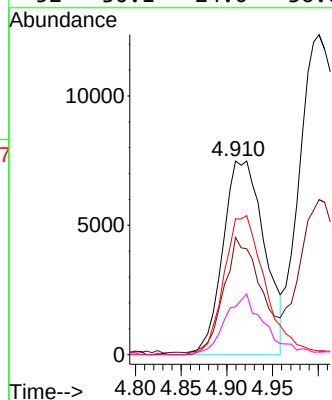
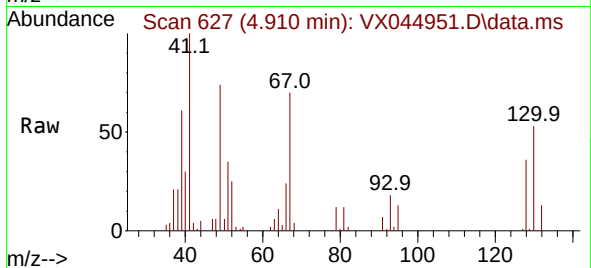


#41
Methacrylonitrile
Concen: 21.685 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion: 41 Resp: 23705

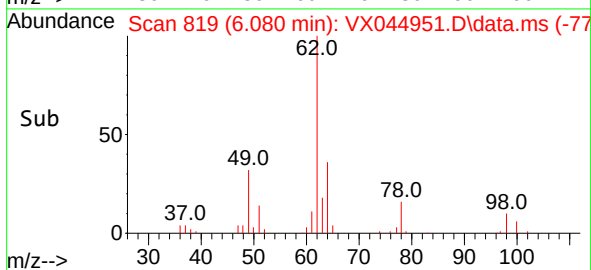
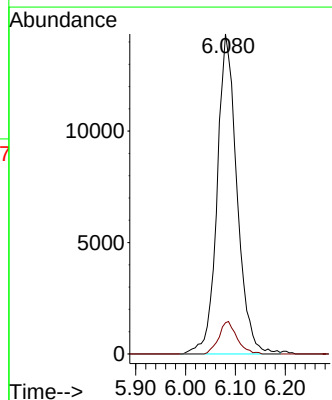
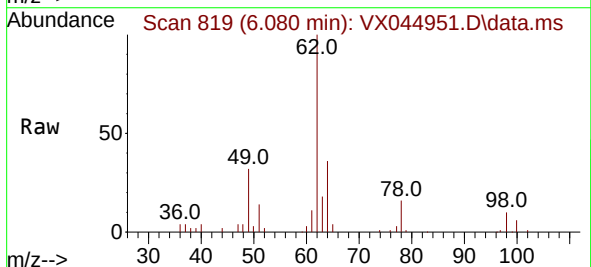
Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.1	64.7
67	71.4	57.0	85.6
52	30.1	24.0	36.0

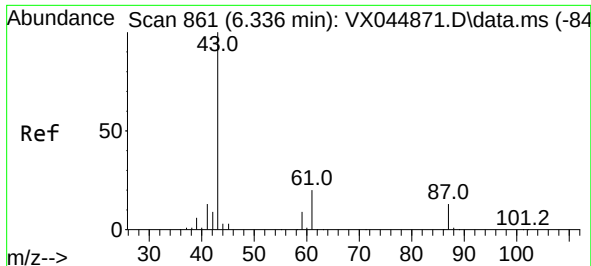


#42
1,2-Dichloroethane
Concen: 21.773 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 62 Resp: 39785

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4

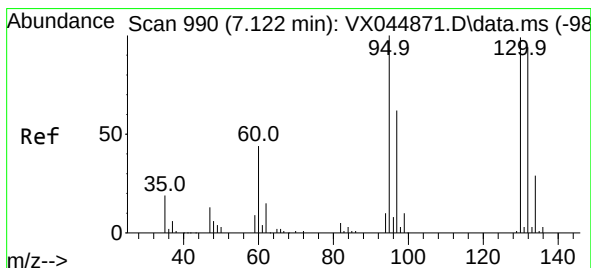
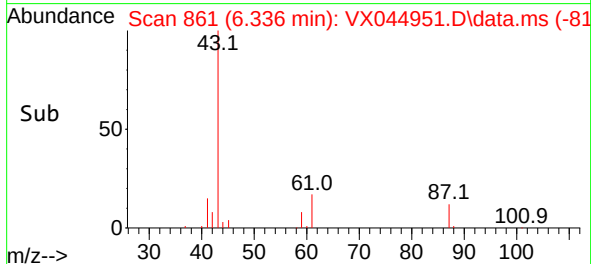
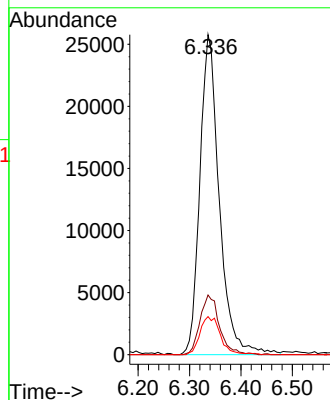
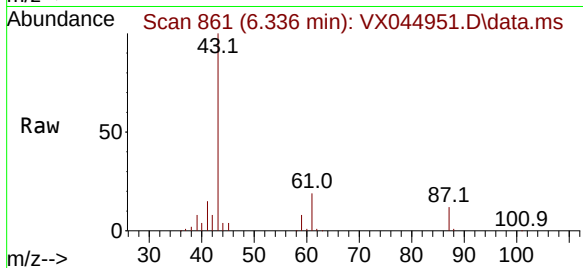




#43
Isopropyl Acetate
Concen: 20.524 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

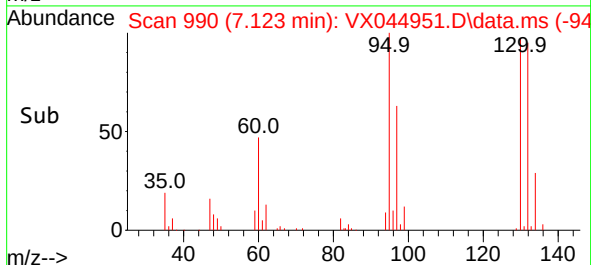
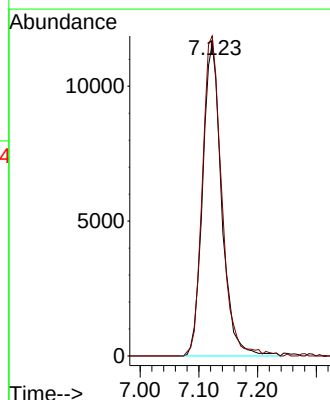
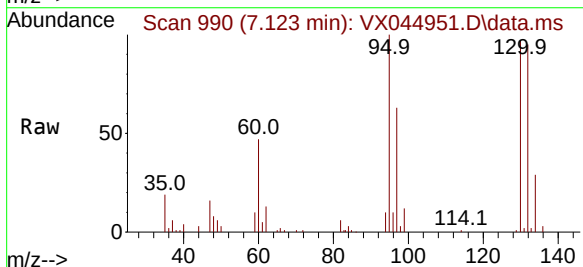
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

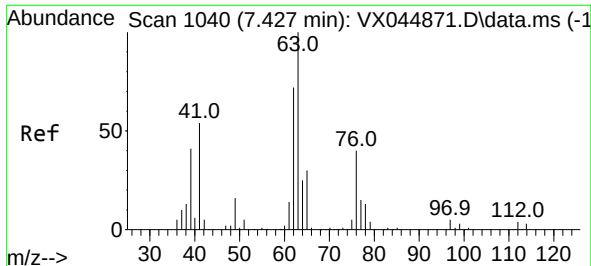
Tgt Ion: 43 Resp: 67687
Ion Ratio Lower Upper
43 100
61 18.7 15.8 23.8
87 12.4 10.0 15.0



#44
Trichloroethene
Concen: 19.823 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 130 Resp: 25978
Ion Ratio Lower Upper
130 100
95 102.6 0.0 202.4

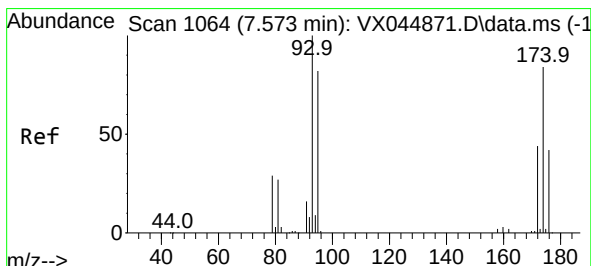
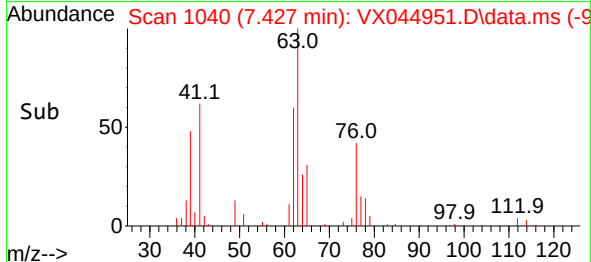
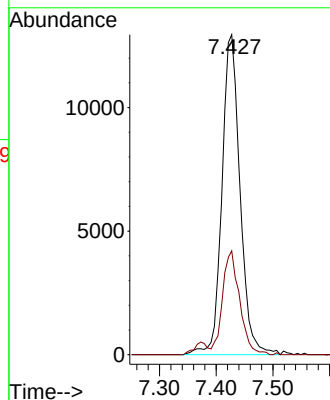
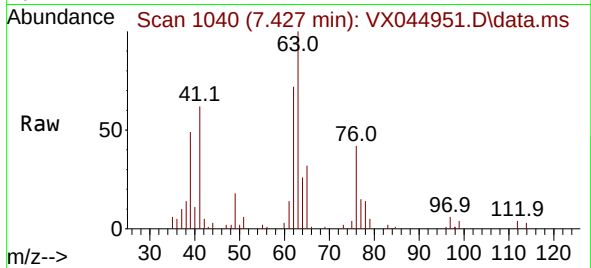




#45
1,2-Dichloropropane
Concen: 20.145 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

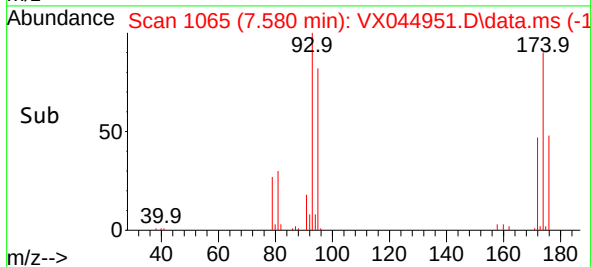
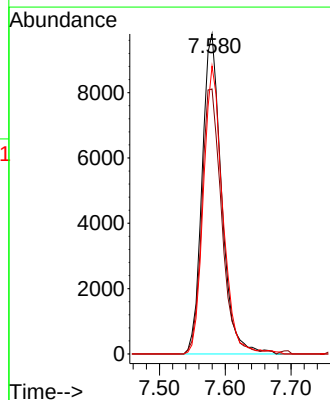
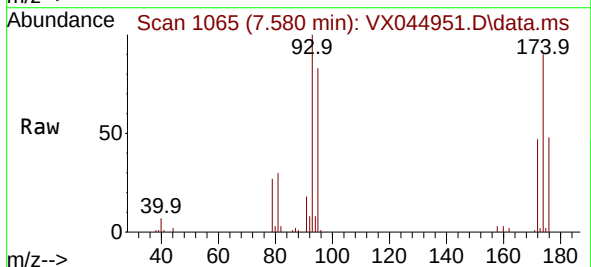
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

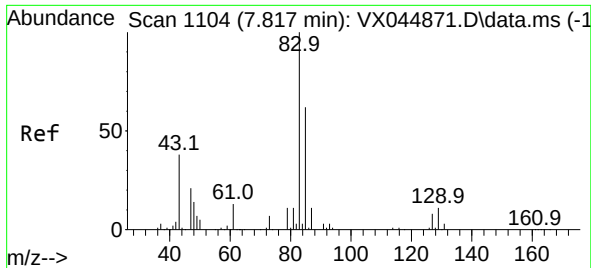
Tgt Ion: 63 Resp: 28734
Ion Ratio Lower Upper
63 100
65 32.5 24.2 36.4



#46
Dibromomethane
Concen: 20.383 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 93 Resp: 20163
Ion Ratio Lower Upper
93 100
95 84.6 66.2 99.4
174 89.5 69.9 104.9

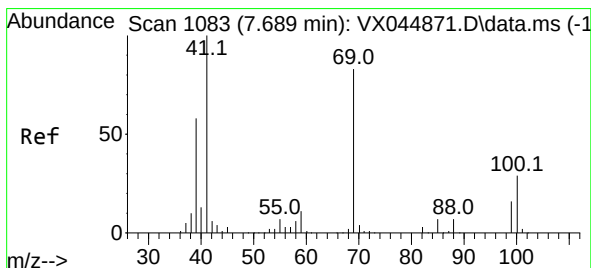
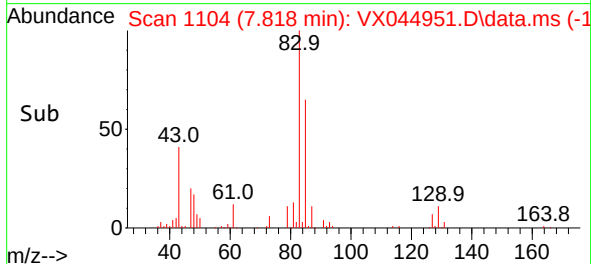
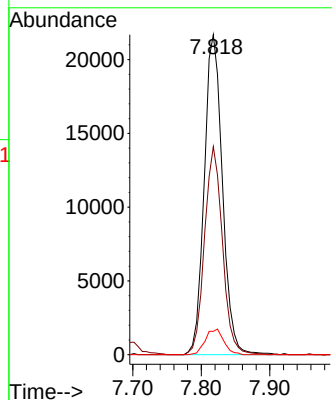
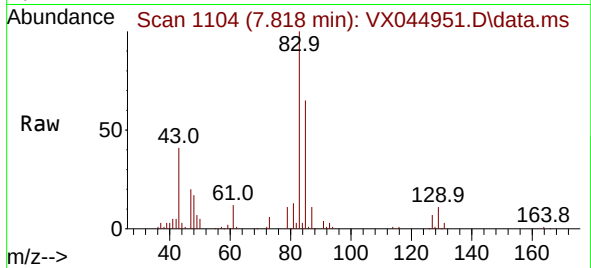




#47
Bromodichloromethane
Concen: 20.896 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

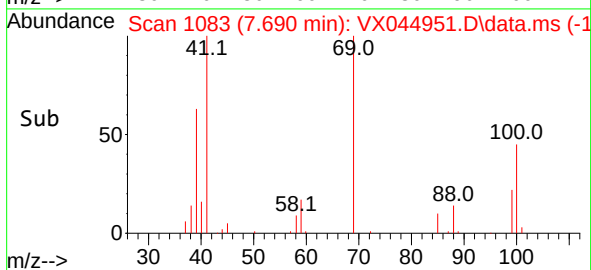
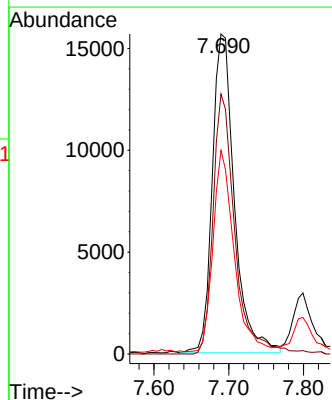
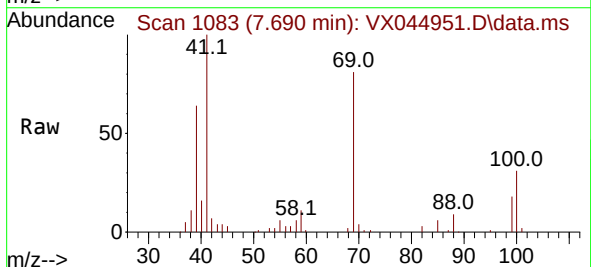
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

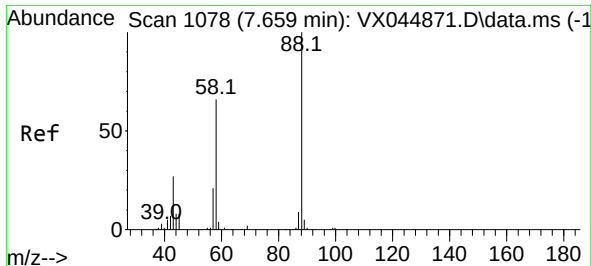
Tgt Ion: 83 Resp: 40024
Ion Ratio Lower Upper
83 100
85 65.0 50.0 75.0
127 7.3 6.4 9.6



#48
Methyl methacrylate
Concen: 20.739 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 41 Resp: 32249
Ion Ratio Lower Upper
41 100
69 80.7 65.8 98.8
39 60.1 46.4 69.6

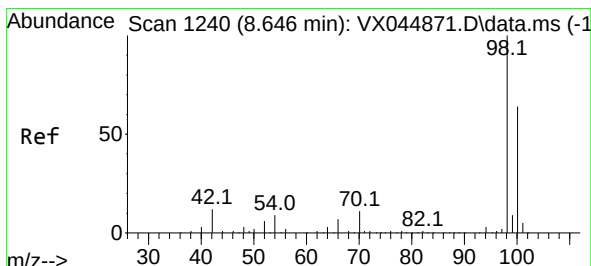
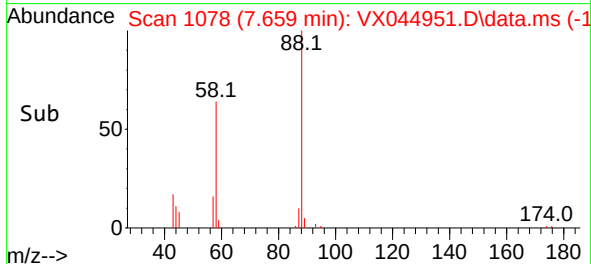
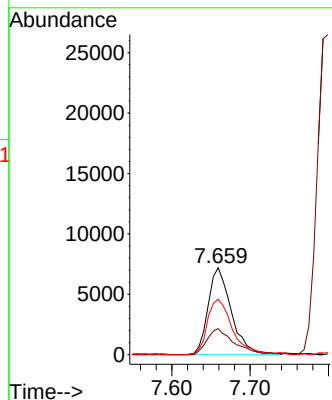
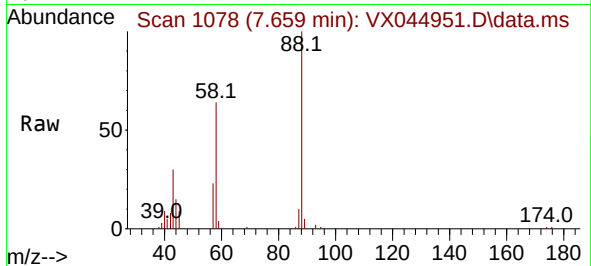




#49
1,4-Dioxane
Concen: 443.128 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

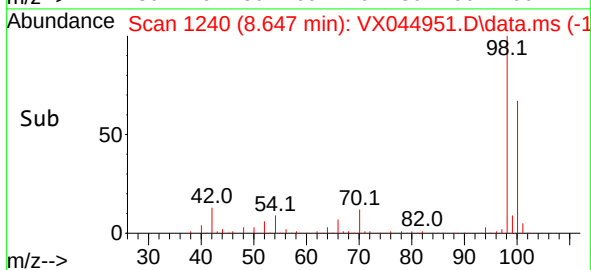
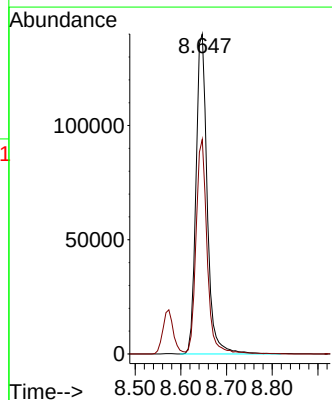
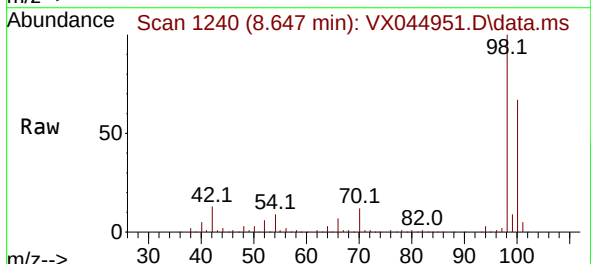
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

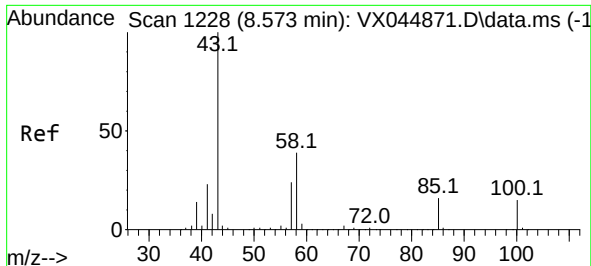
Tgt Ion: 88 Resp: 14784
Ion Ratio Lower Upper
88 100
43 35.4 26.6 39.8
58 68.1 55.9 83.9



#50
Toluene-d8
Concen: 49.736 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 98 Resp: 239351
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1

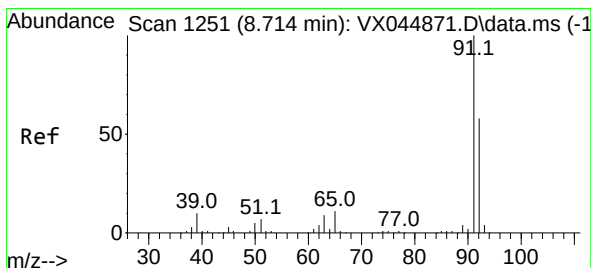
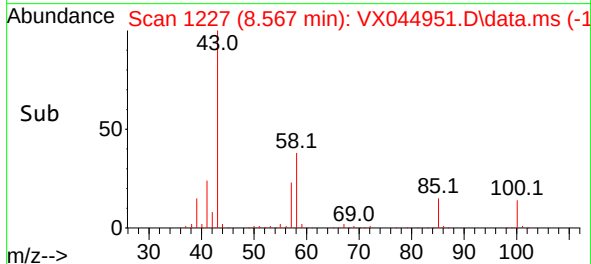
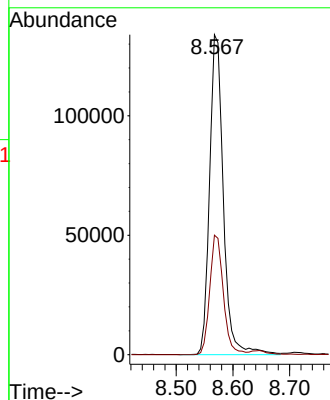
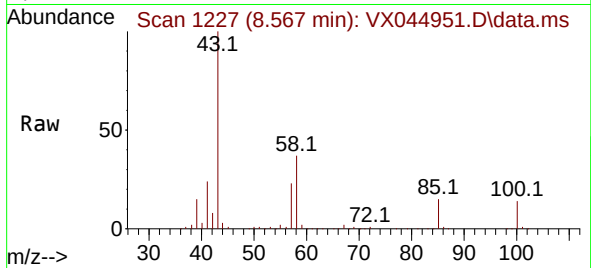




#51
4-Methyl-2-Pentanone
Concen: 112.703 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

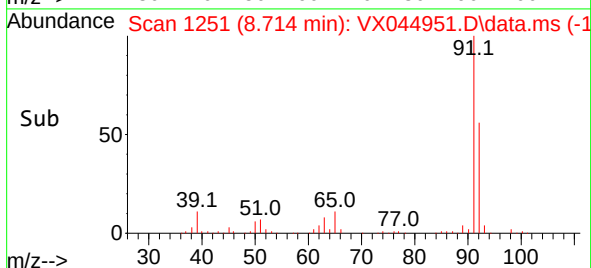
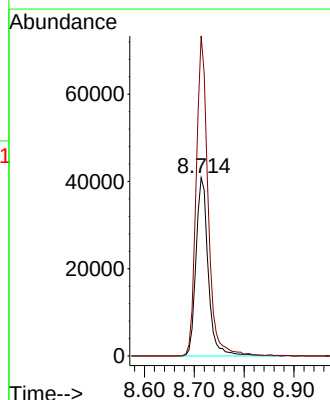
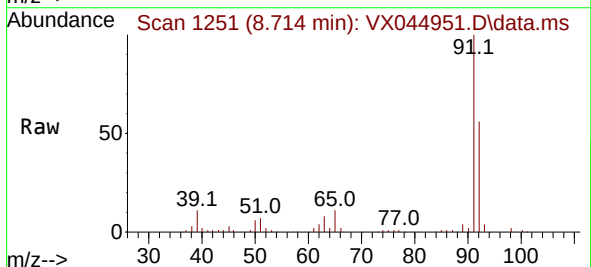
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

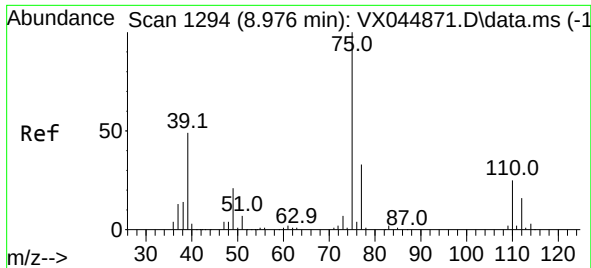
Tgt Ion: 43 Resp: 225966
Ion Ratio Lower Upper
43 100
58 36.8 30.8 46.2



#52
Toluene
Concen: 20.427 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 92 Resp: 69748
Ion Ratio Lower Upper
92 100
91 174.6 137.4 206.2

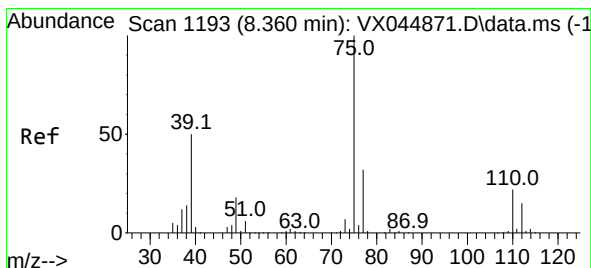
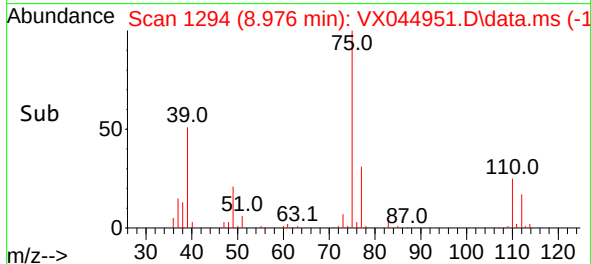
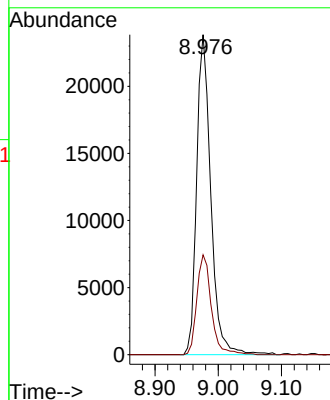
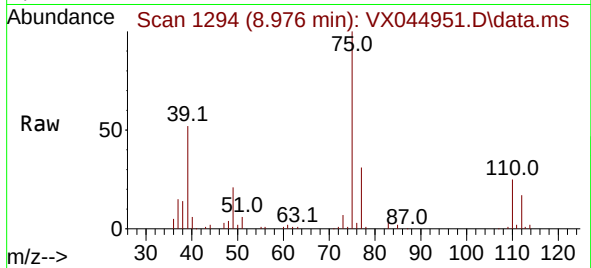




#53
 t-1,3-Dichloropropene
 Concen: 19.176 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

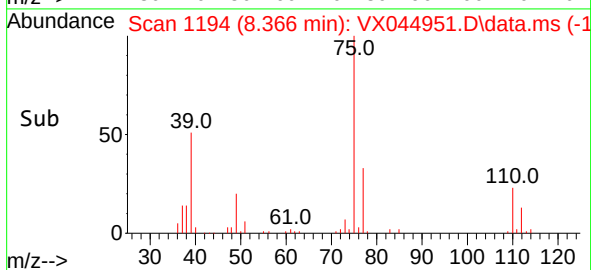
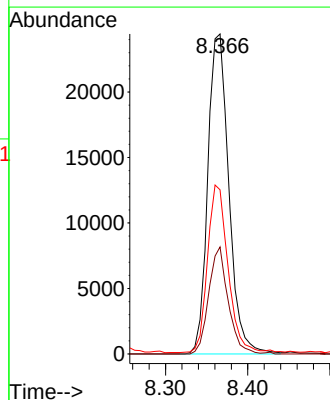
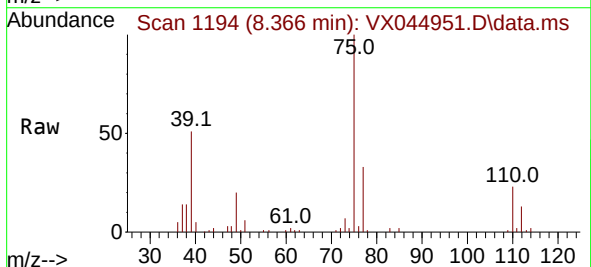
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

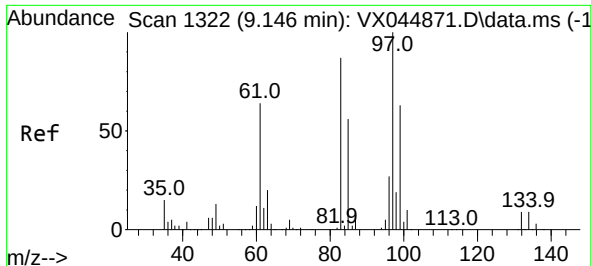
Tgt Ion: 75 Resp: 37169
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.090 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

Tgt Ion: 75 Resp: 43416
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.3 37.9
 39 50.9 40.0 60.0

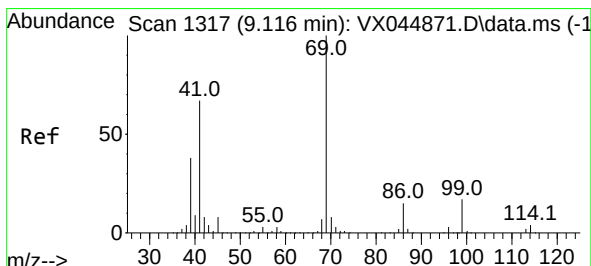
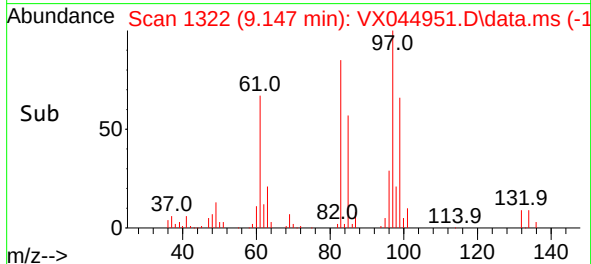
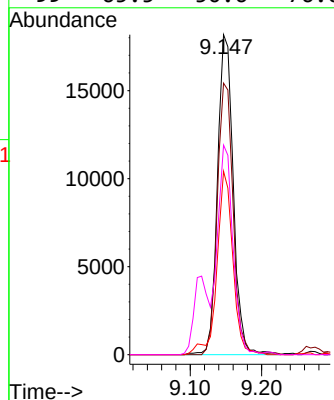
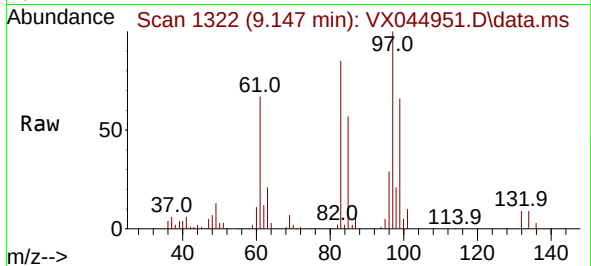




#55
 1,1,2-Trichloroethane
 Concen: 21.245 ug/l
 RT: 9.147 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

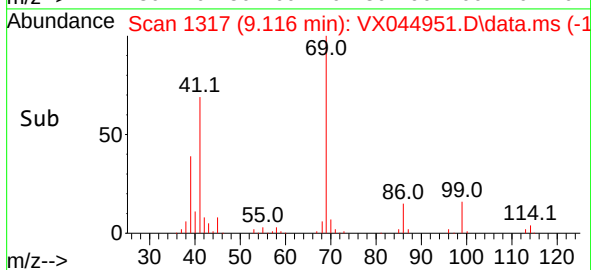
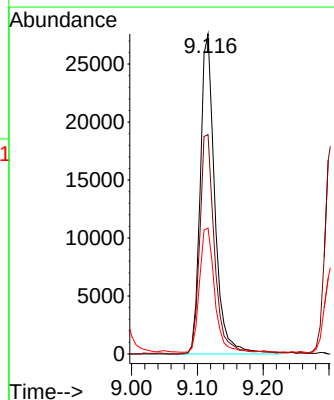
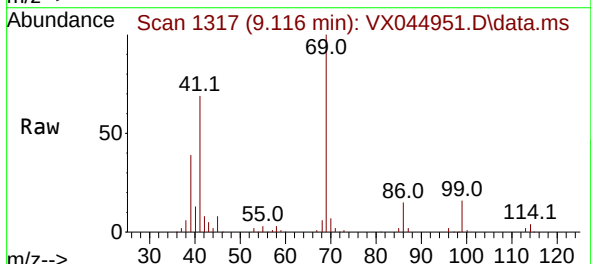
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

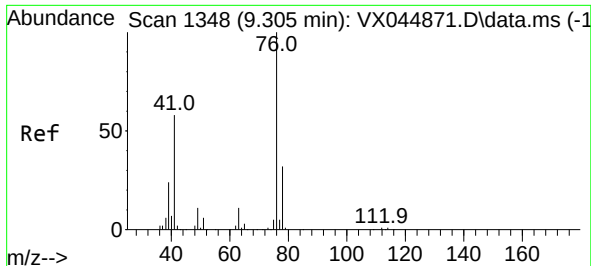
Tgt Ion: 97	Resp: 27886
Ion Ratio	Lower Upper
97 100	
83 84.9	69.8 104.6
85 57.3	44.8 67.2
99 65.5	50.6 76.0



#56
 Ethyl methacrylate
 Concen: 20.021 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

Tgt Ion: 69	Resp: 42444
Ion Ratio	Lower Upper
69 100	
41 70.6	55.2 82.8
39 39.9	30.8 46.2

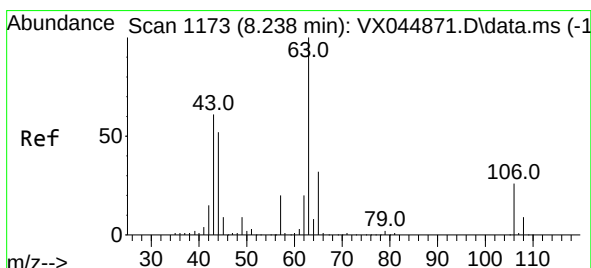
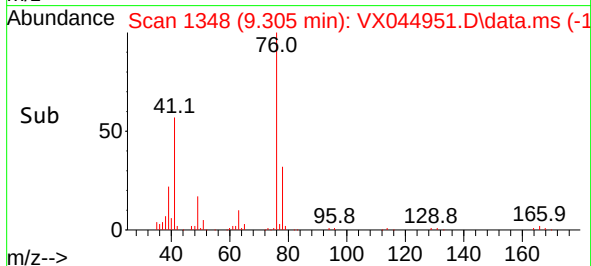
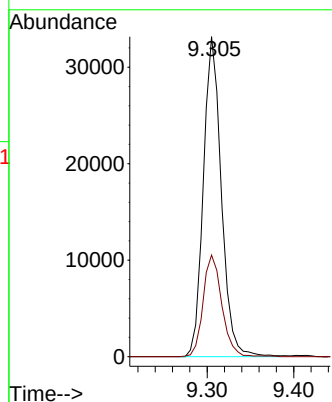
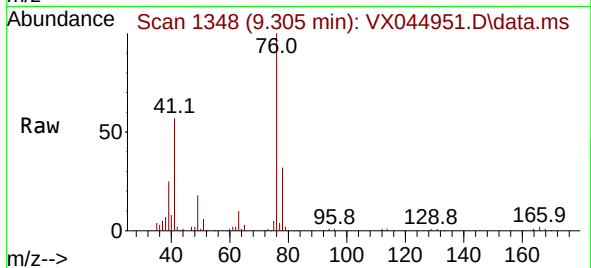




#57
1,3-Dichloropropane
Concen: 20.820 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

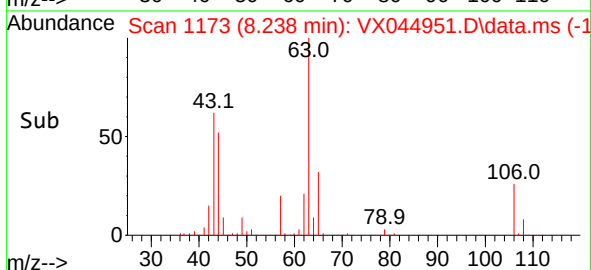
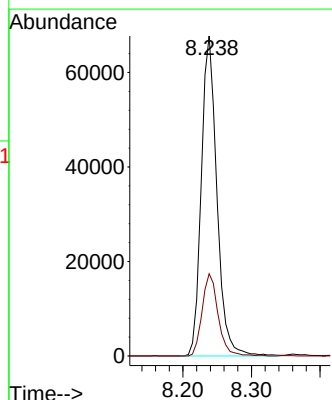
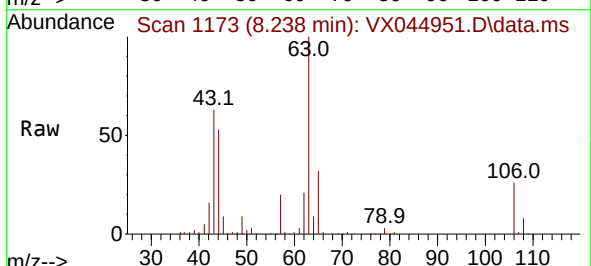
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

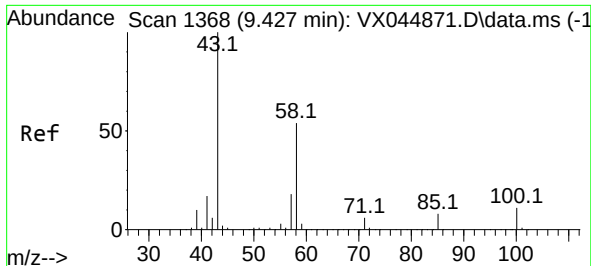
Tgt Ion: 76 Resp: 47815
Ion Ratio Lower Upper
76 100
78 33.1 25.8 38.8



#58
2-Chloroethyl Vinyl ether
Concen: 103.151 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 63 Resp: 107373
Ion Ratio Lower Upper
63 100
106 26.4 21.3 31.9

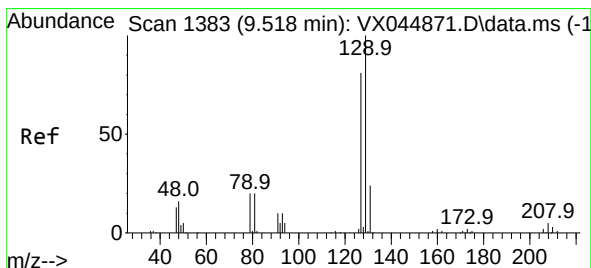
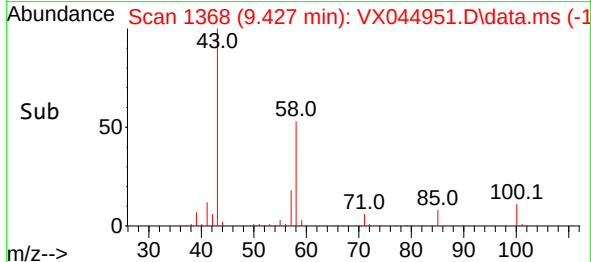
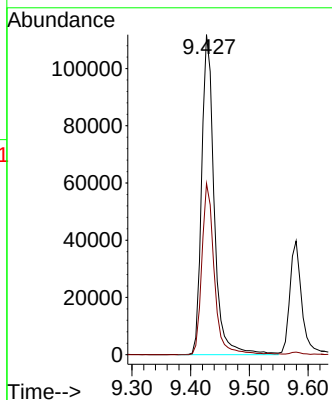
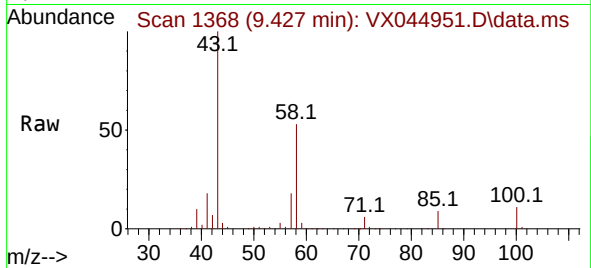




#59
2-Hexanone
Concen: 115.365 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

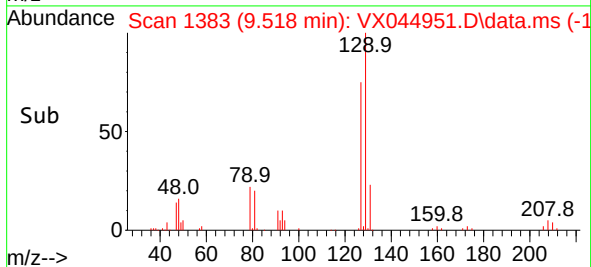
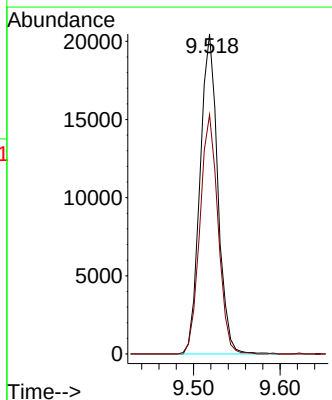
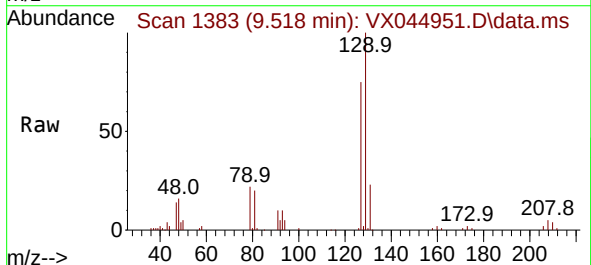
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

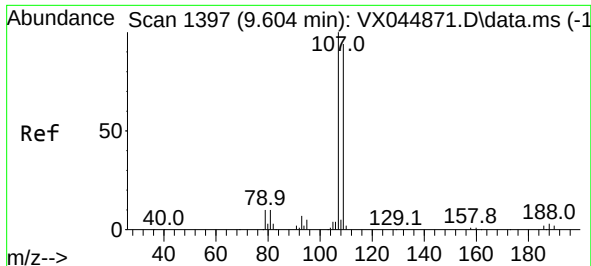
Tgt Ion: 43 Resp: 166655
Ion Ratio Lower Upper
43 100
58 52.8 27.5 82.4



#60
Dibromochloromethane
Concen: 20.721 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 129 Resp: 29087
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3

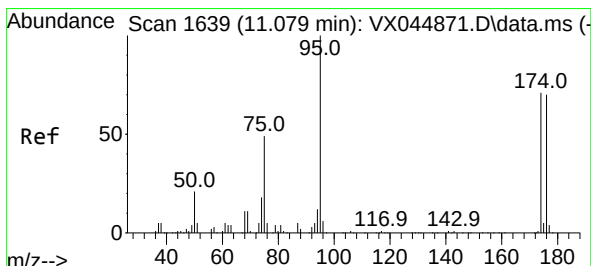
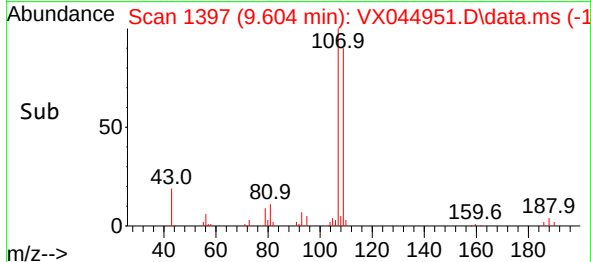
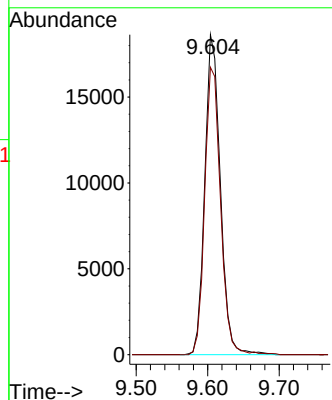
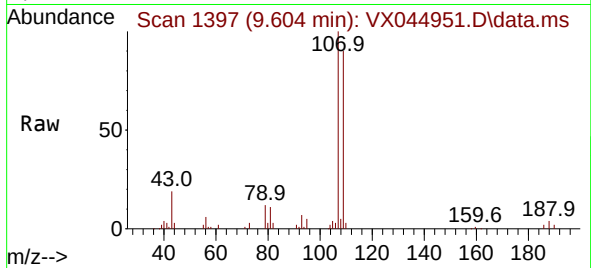




#61
 1,2-Dibromoethane
 Concen: 21.163 ug/l
 RT: 9.604 min Scan# 1397
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

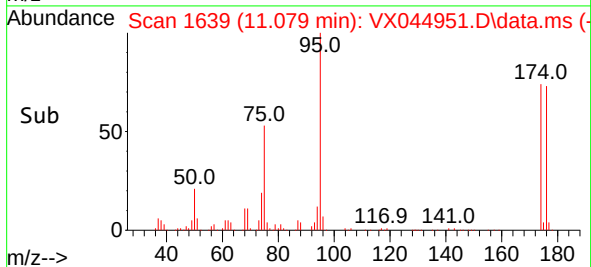
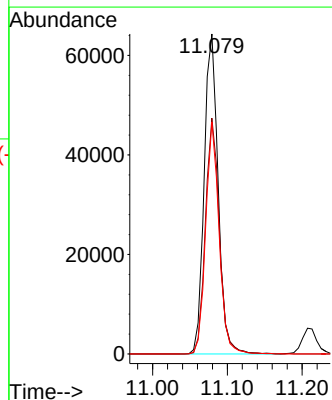
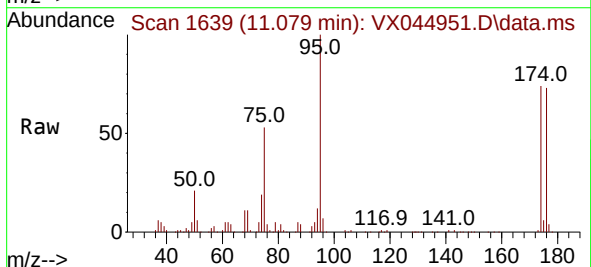
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

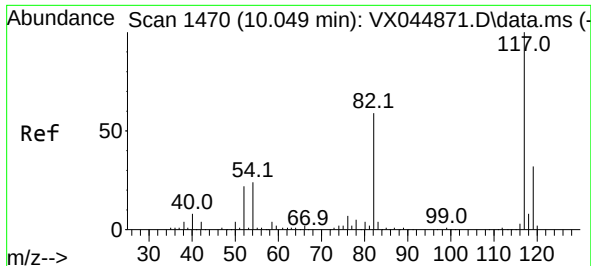
Tgt Ion:107 Resp: 28155
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.472 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

Tgt Ion: 95 Resp: 83506
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 142.6
 176 69.6 0.0 141.6

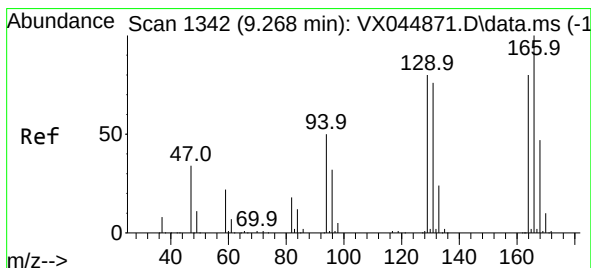
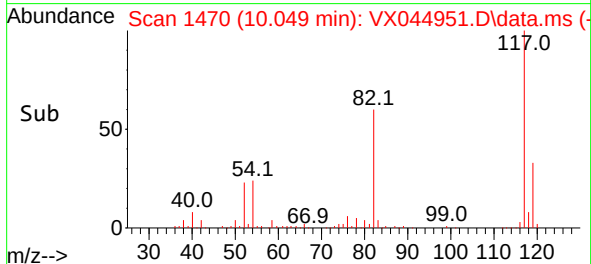
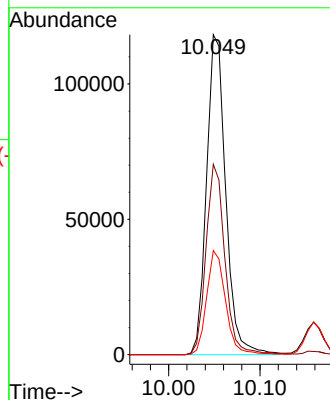
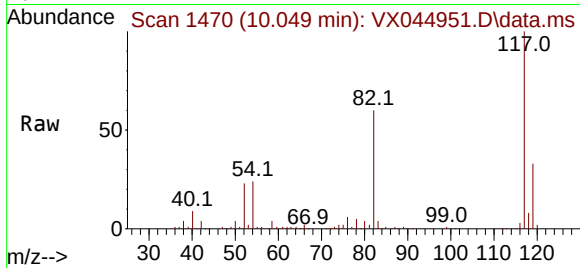




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

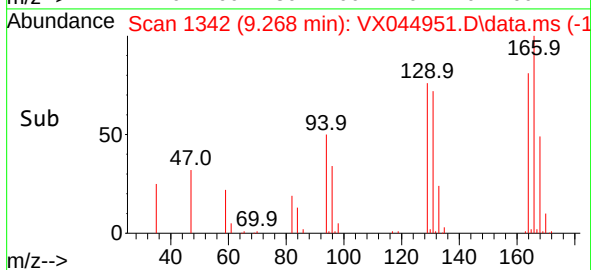
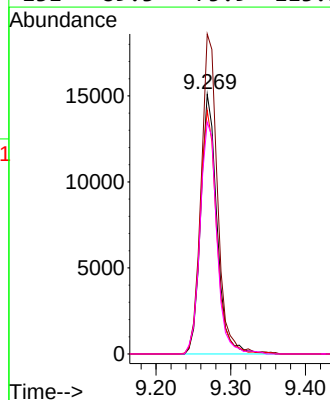
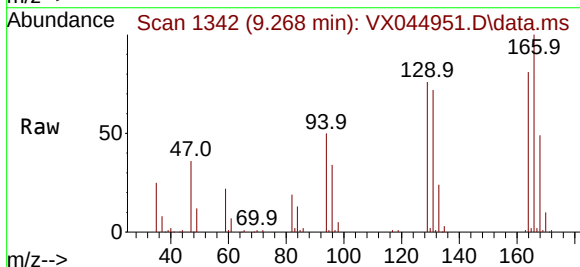
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

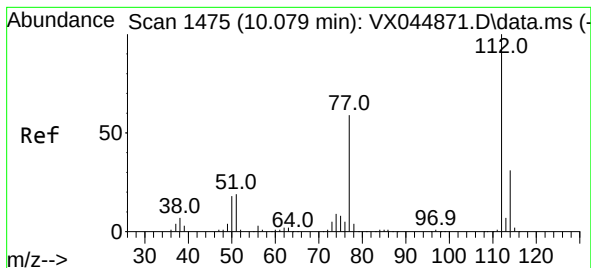
Tgt Ion:	117	Resp:	172020
Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.5	71.3
119	32.5	25.4	38.0



#64
Tetrachloroethene
Concen: 20.951 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:	164	Resp:	22728
Ion	Ratio	Lower	Upper
164	100		
166	123.3	100.4	150.6
129	93.7	79.9	119.9
131	89.3	75.9	113.9

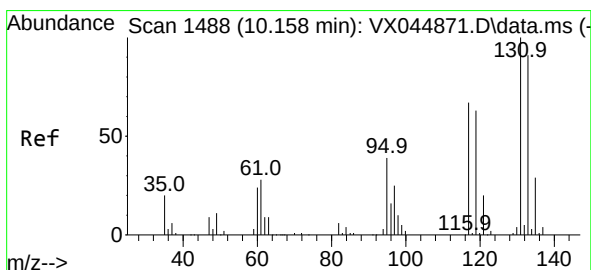
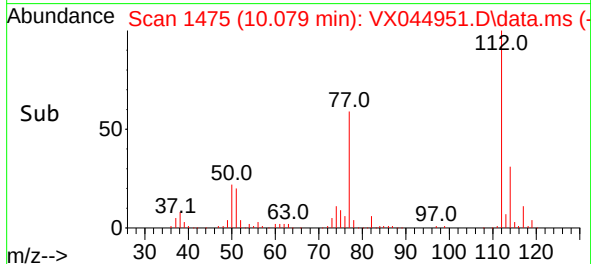
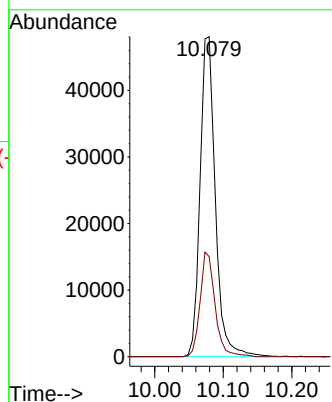
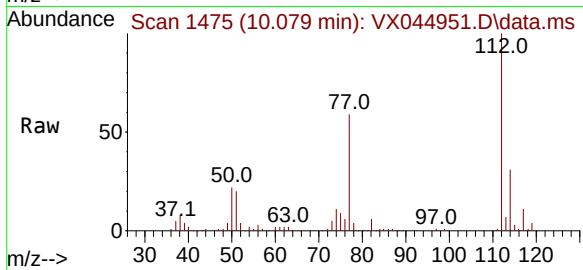




#65
Chlorobenzene
Concen: 20.200 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

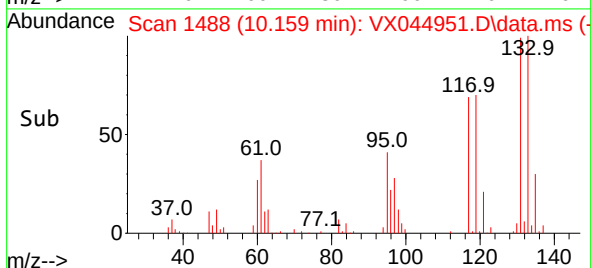
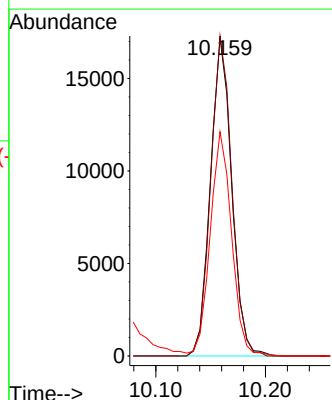
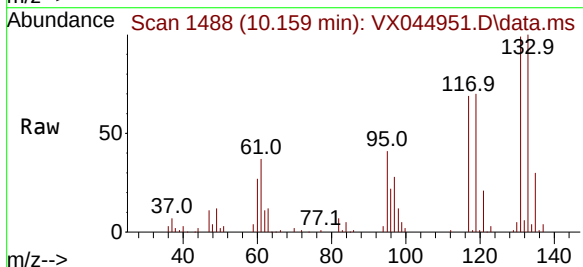
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

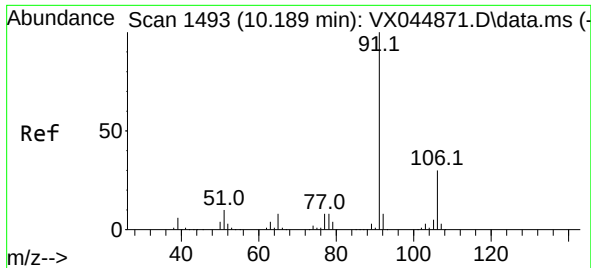
Tgt Ion:112 Resp: 74635
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.514 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:131 Resp: 23206
Ion Ratio Lower Upper
131 100
133 99.9 47.1 141.3
119 70.7 33.6 100.6

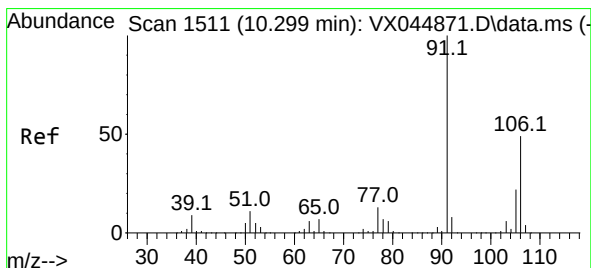
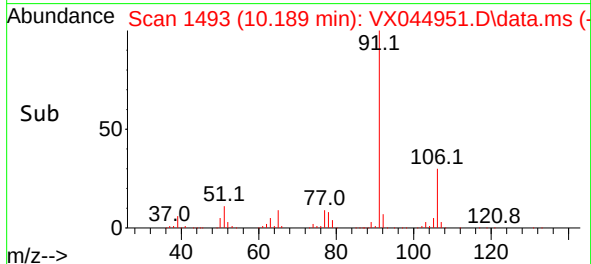
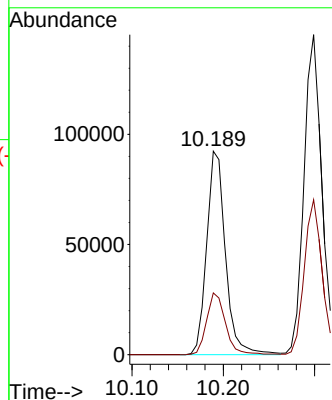
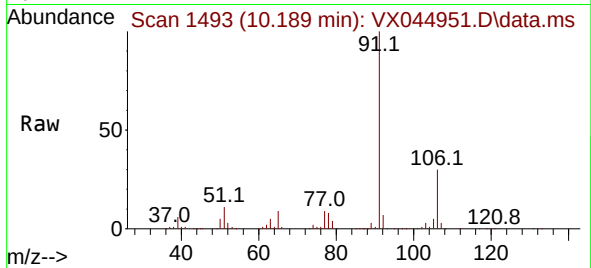




#67
Ethyl Benzene
Concen: 20.199 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

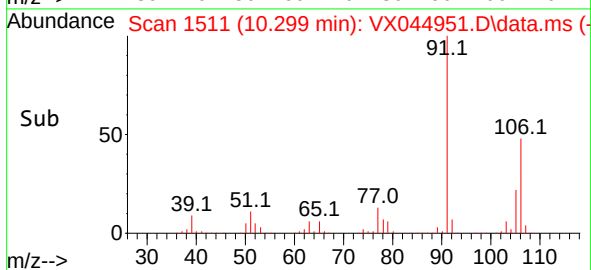
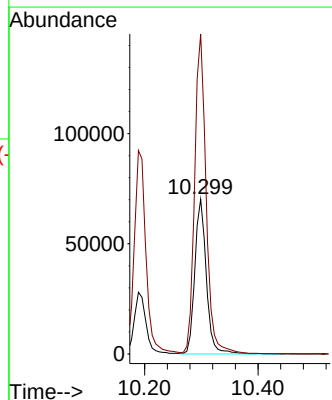
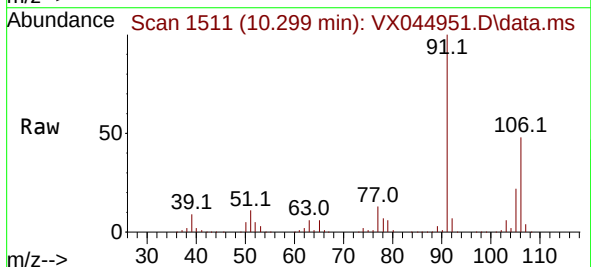
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

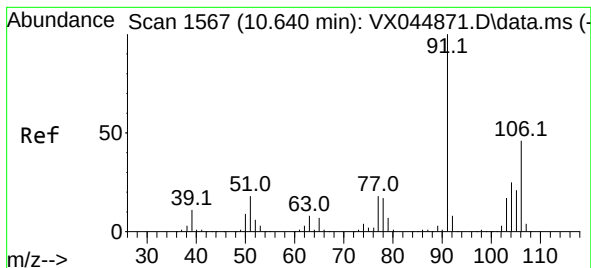
Tgt Ion: 91 Resp: 131698
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9



#68
m/p-Xylenes
Concen: 41.113 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 106 Resp: 98883
Ion Ratio Lower Upper
106 100
91 205.8 164.3 246.5





#69

o-Xylene

Concen: 20.177 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

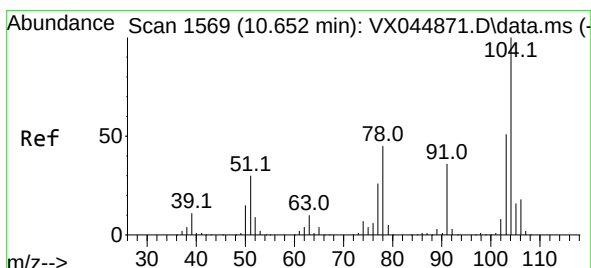
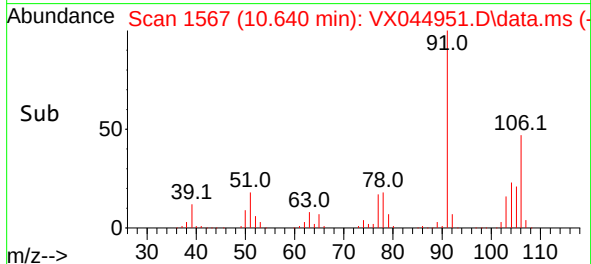
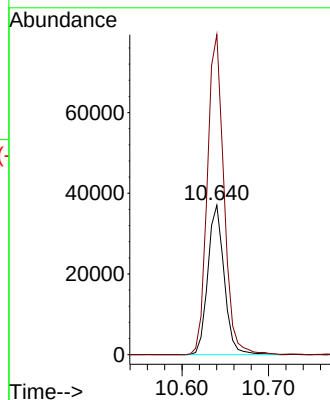
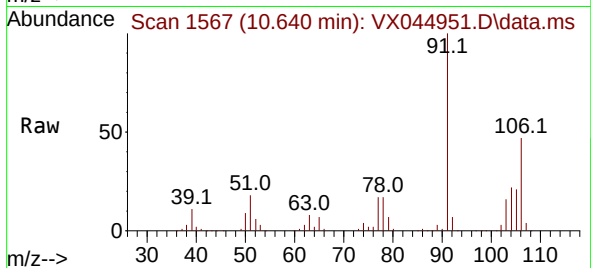
VX0214WBS01

Tgt Ion:106 Resp: 48694

Ion Ratio Lower Upper

106 100

91 217.1 108.5 325.5



#70

Styrene

Concen: 21.020 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

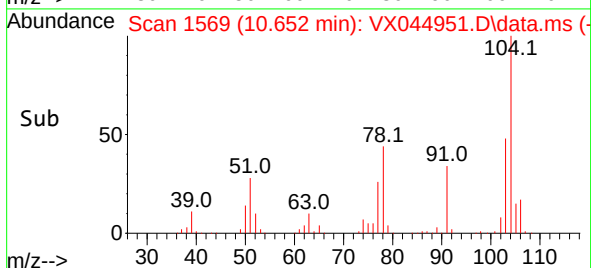
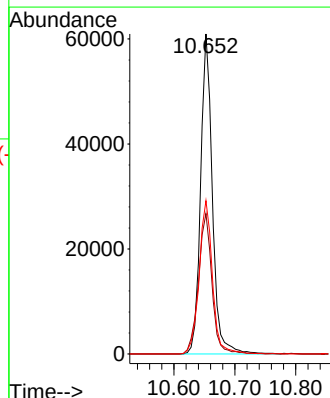
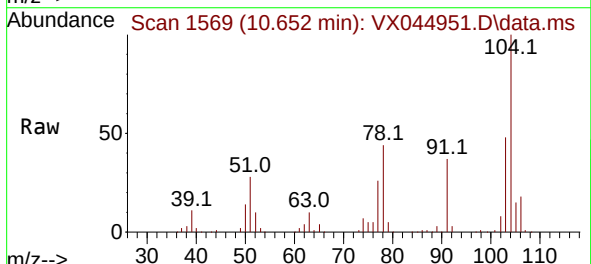
Tgt Ion:104 Resp: 81730

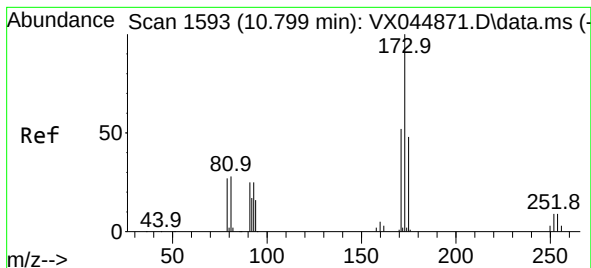
Ion Ratio Lower Upper

104 100

78 50.5 40.5 60.7

103 54.2 43.6 65.4





#71

Bromoform

Concen: 20.750 ug/l

RT: 10.799 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

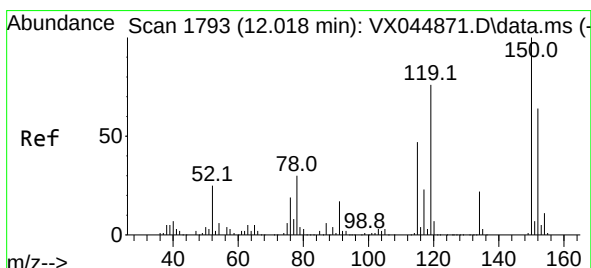
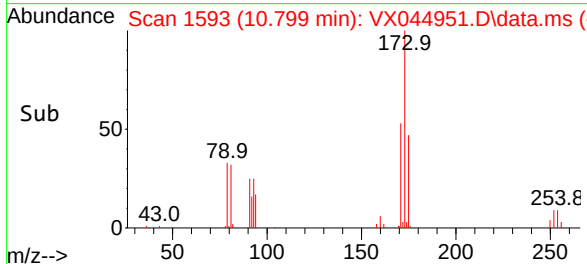
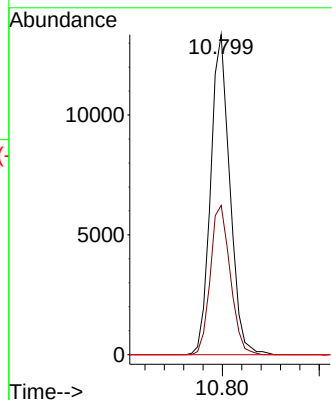
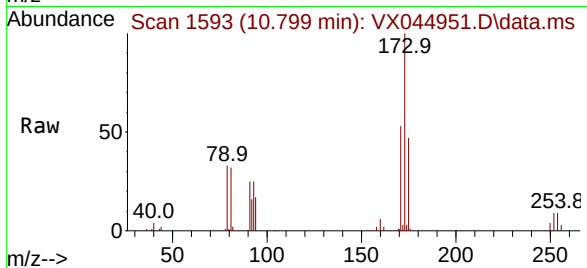
Tgt Ion:173 Resp: 18416

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

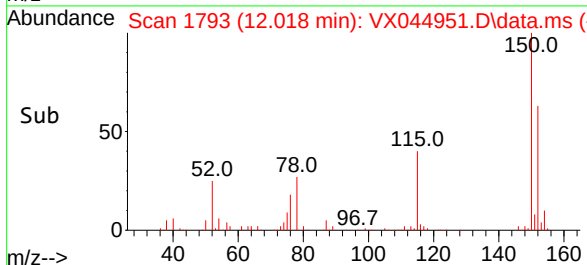
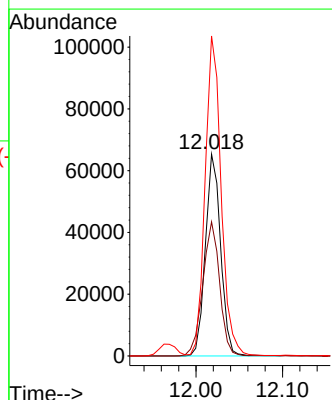
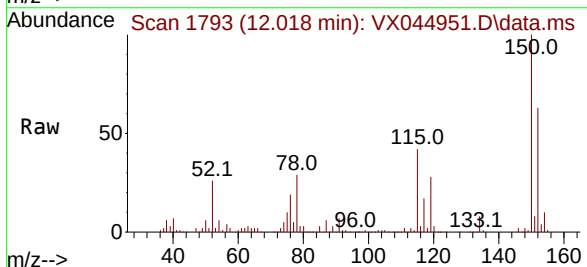
Tgt Ion:152 Resp: 79806

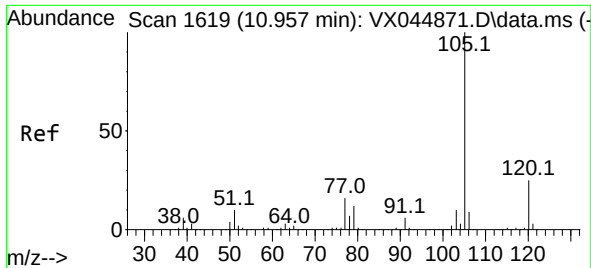
Ion Ratio Lower Upper

152 100

115 73.4 43.4 130.1

150 165.9 0.0 350.4

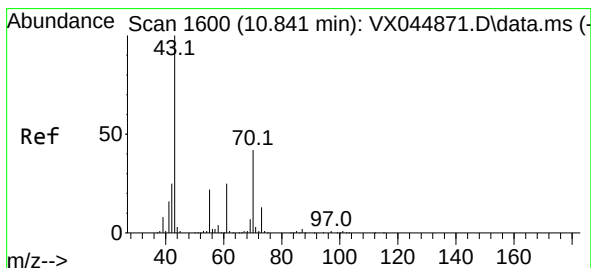
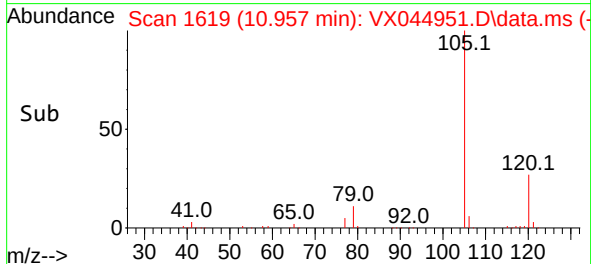
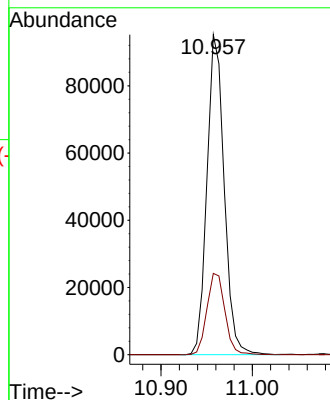
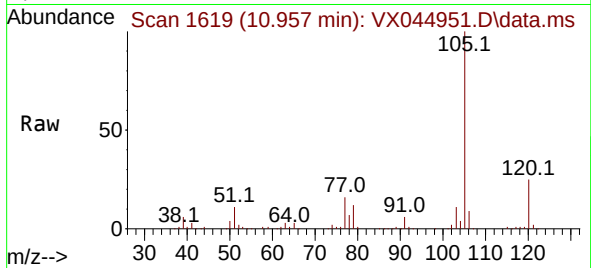




#73
Isopropylbenzene
Concen: 19.326 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

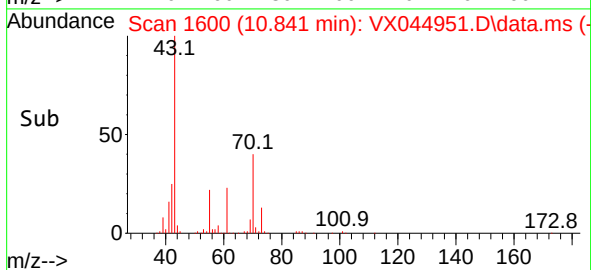
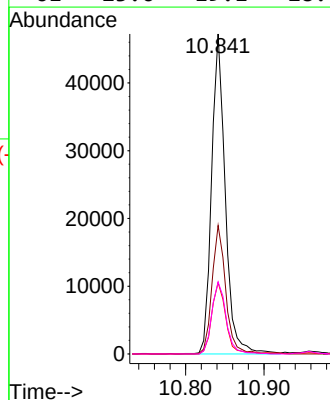
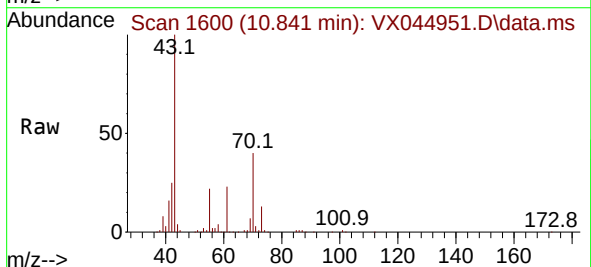
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

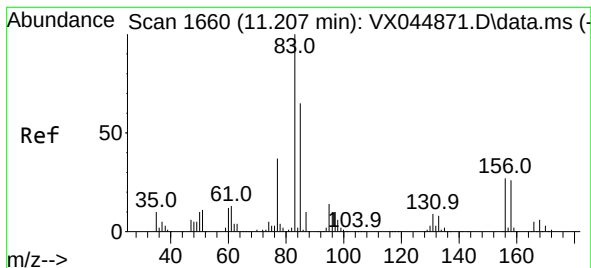
Tgt Ion:105 Resp: 124187
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5



#74
N-ethyl acetate
Concen: 19.677 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 43 Resp: 57217
Ion Ratio Lower Upper
43 100
70 40.2 33.7 50.5
55 23.2 18.6 27.8
61 23.6 19.1 28.7

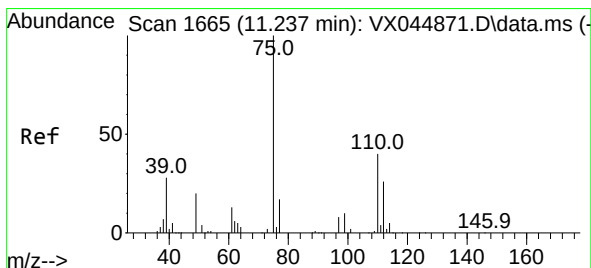
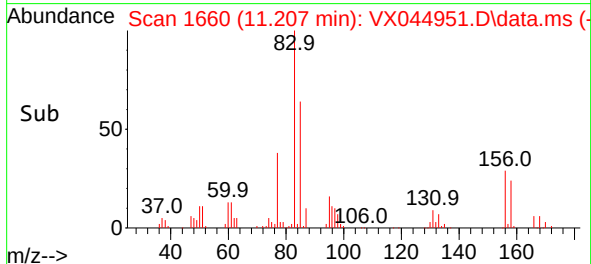
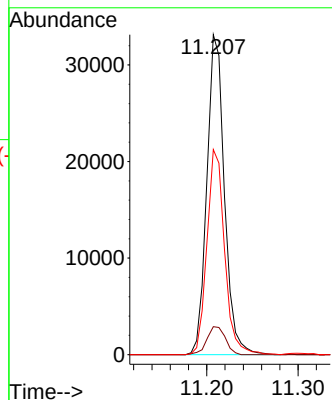
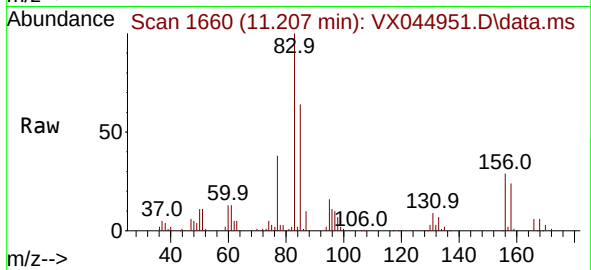




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.979 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

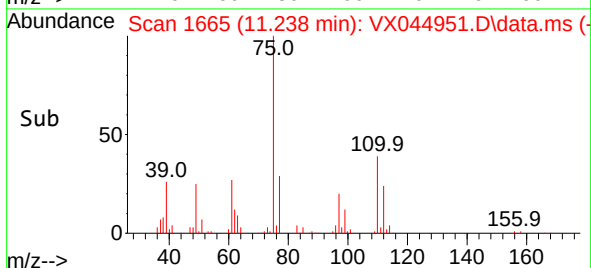
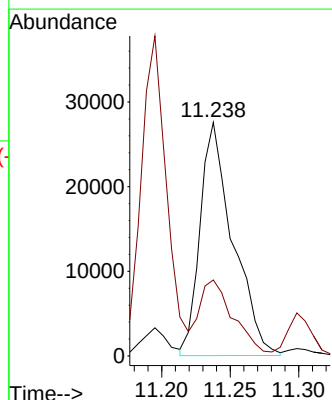
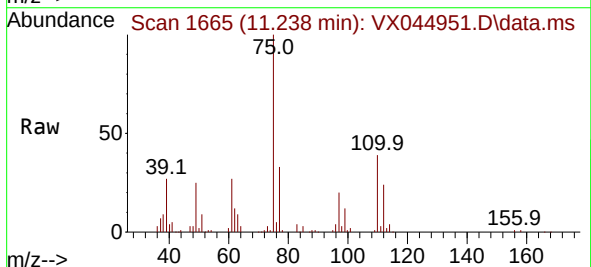
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

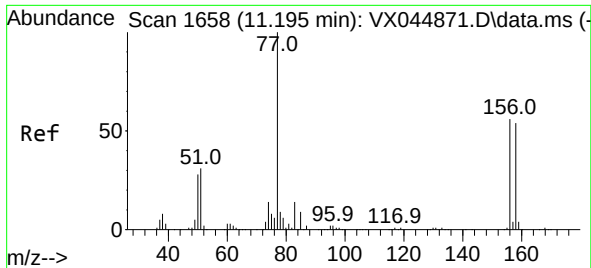
Tgt Ion: 83 Resp: 44116
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.5
 85 64.5 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 26.026 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

Tgt Ion: 75 Resp: 46051
 Ion Ratio Lower Upper
 75 100
 77 33.8 21.9 65.7

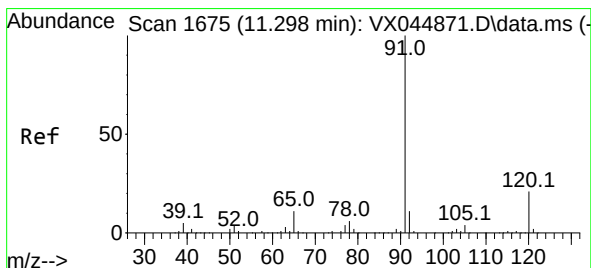
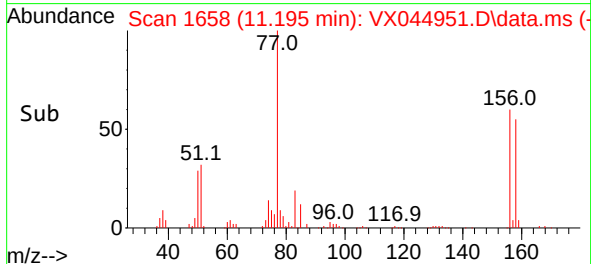
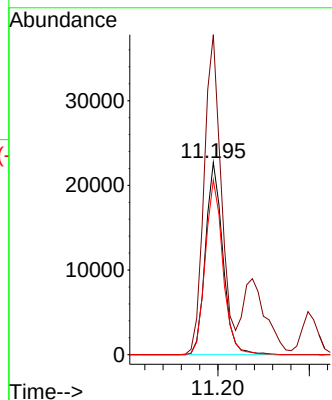
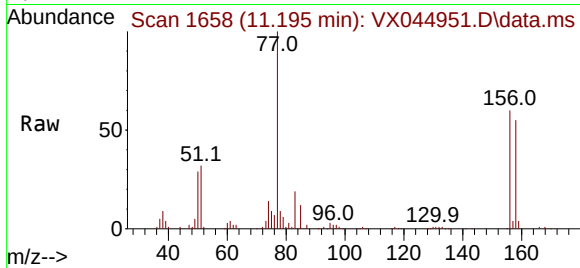




#77
Bromobenzene
Concen: 20.519 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

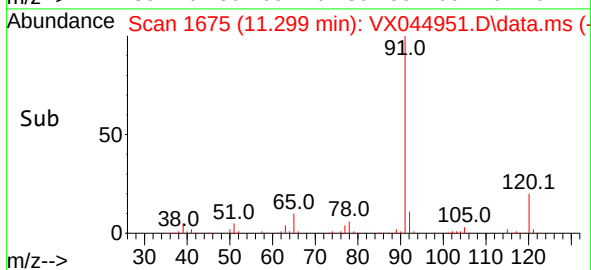
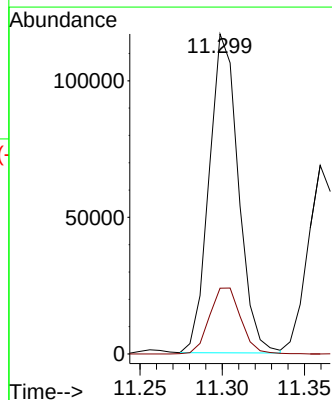
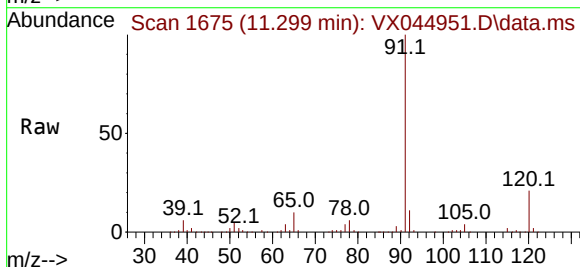
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

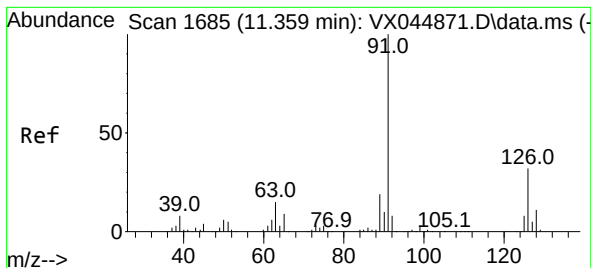
Tgt Ion:156 Resp: 29893
Ion Ratio Lower Upper
156 100
77 164.5 88.4 265.3
158 92.2 48.4 145.2



#78
n-propylbenzene
Concen: 19.510 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 91 Resp: 144703
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3

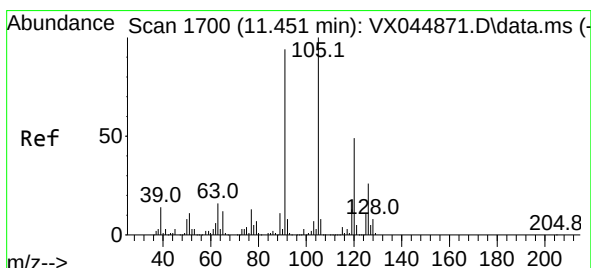
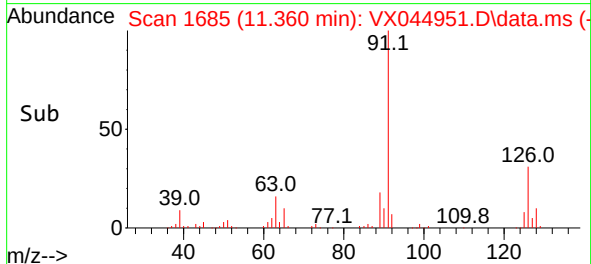
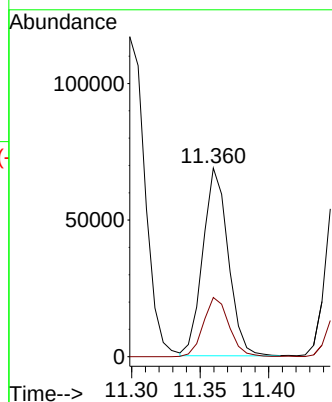
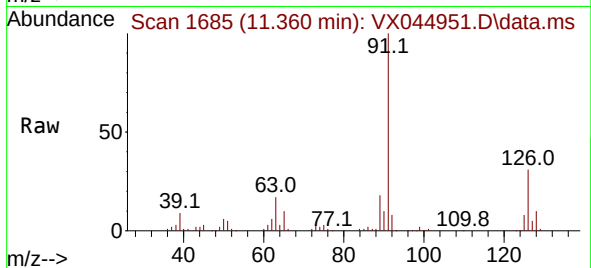




#79
2-Chlorotoluene
Concen: 19.454 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

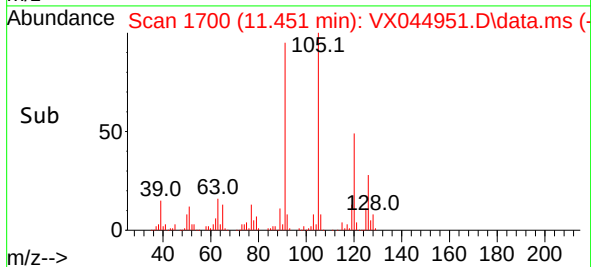
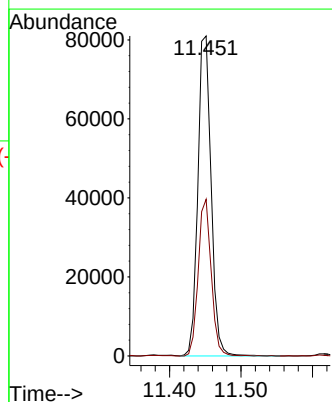
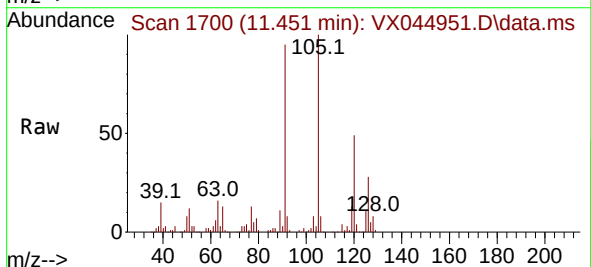
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

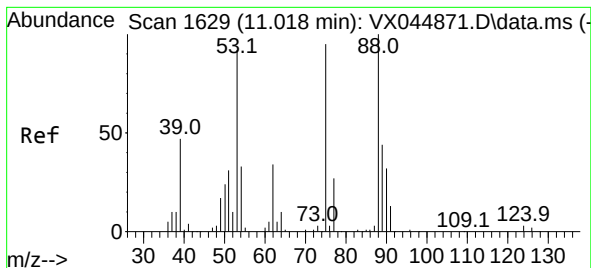
Tgt Ion: 91 Resp: 88678
Ion Ratio Lower Upper
91 100
126 31.9 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 19.987 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 105 Resp: 104223
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0

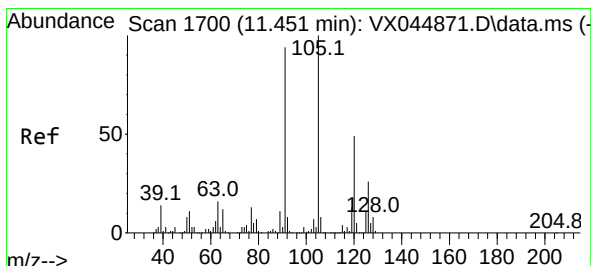
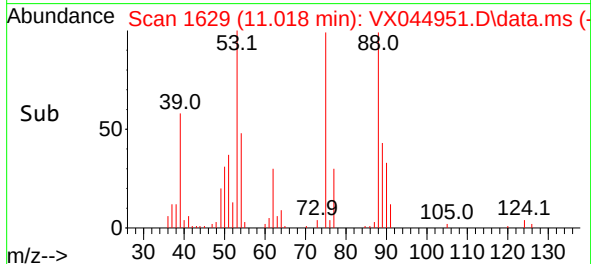
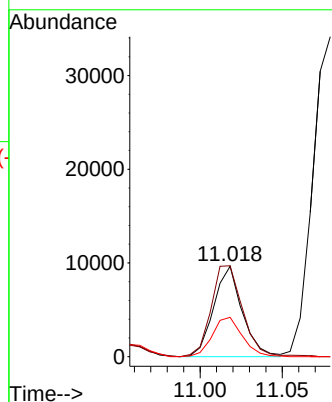
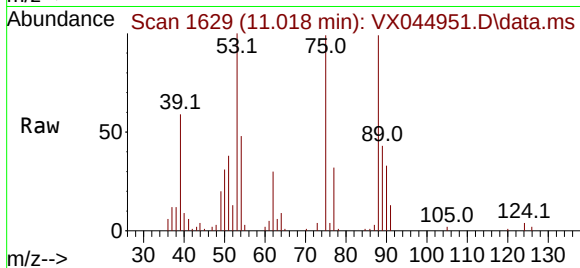




#81
trans-1,4-Dichloro-2-butene
Concen: 16.914 ug/l
RT: 11.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

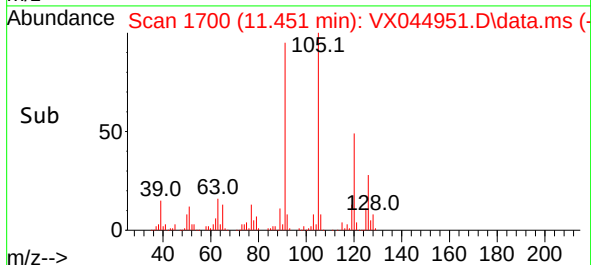
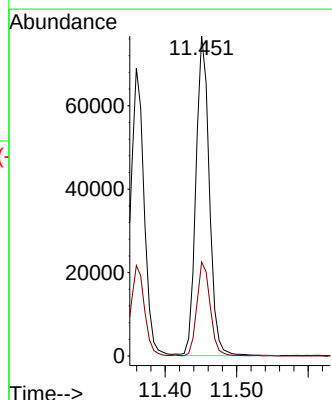
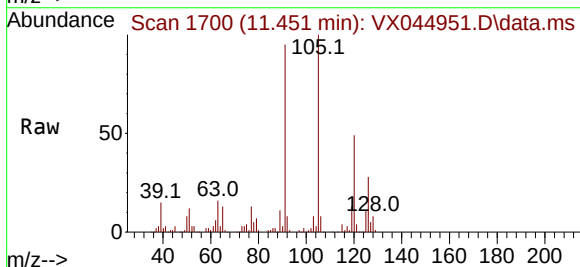
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

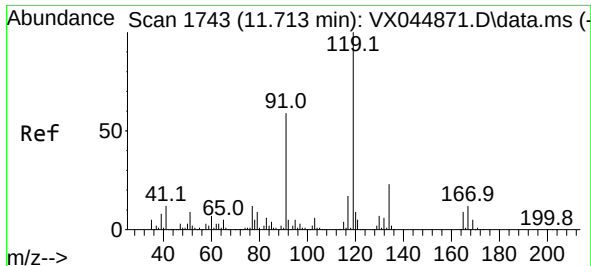
Tgt Ion: 75 Resp: 11634
Ion Ratio Lower Upper
75 100
53 111.0 78.0 117.0
89 45.9 36.6 54.8



#82
4-Chlorotoluene
Concen: 19.736 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 91 Resp: 99533
Ion Ratio Lower Upper
91 100
126 28.8 14.2 42.6

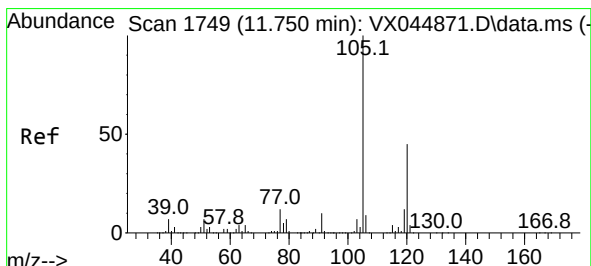
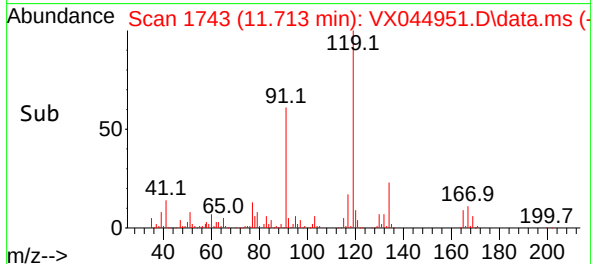
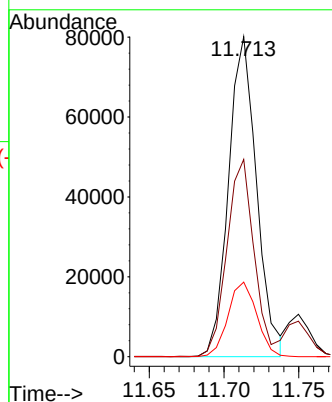
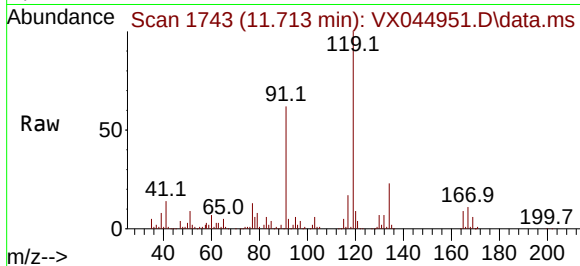




#83
 tert-Butylbenzene
 Concen: 19.838 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

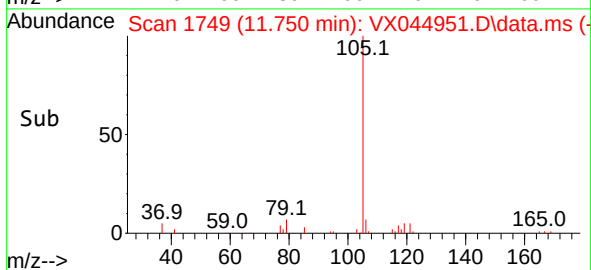
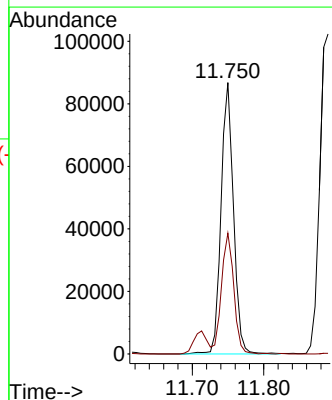
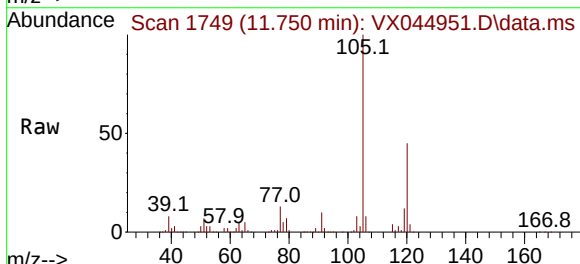
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

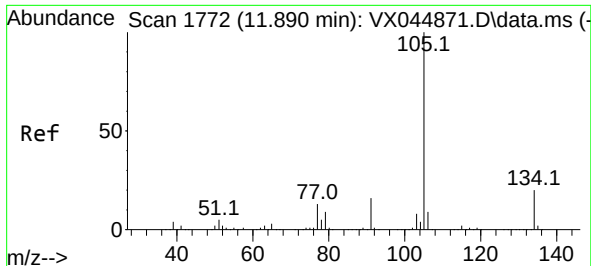
Tgt Ion:119 Resp: 104653
 Ion Ratio Lower Upper
 119 100
 91 59.1 29.1 87.4
 134 23.8 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.366 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044951.D
 Acq: 14 Feb 2025 11:14

Tgt Ion:105 Resp: 104819
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.4 67.0

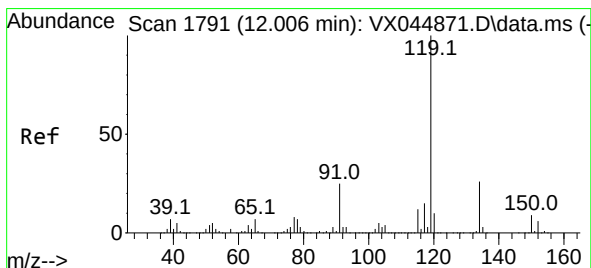
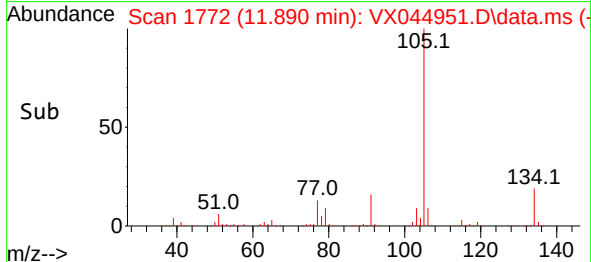
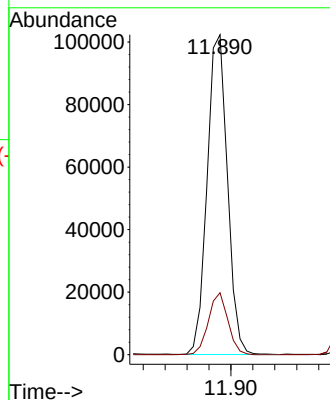
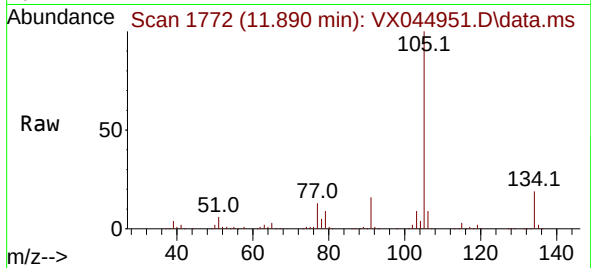




#85
sec-Butylbenzene
Concen: 20.130 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

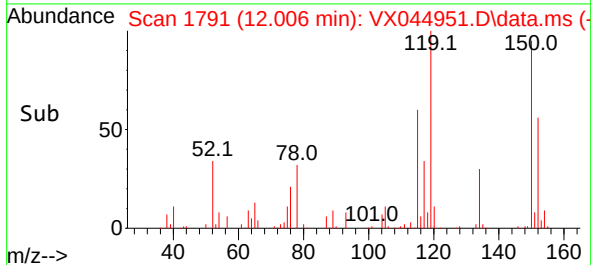
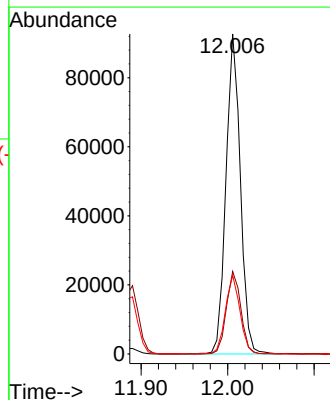
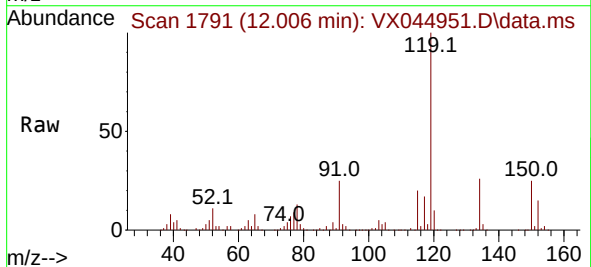
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

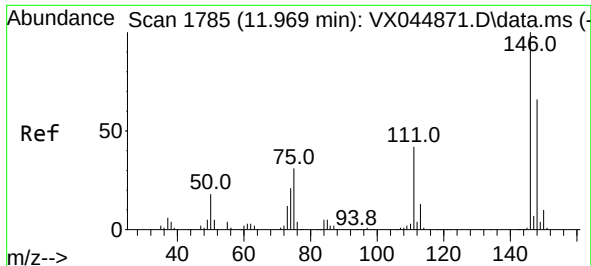
Tgt Ion:105 Resp: 131498
Ion Ratio Lower Upper
105 100
134 18.7 9.8 29.3



#86
p-Isopropyltoluene
Concen: 20.351 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:119 Resp: 106908
Ion Ratio Lower Upper
119 100
134 26.0 13.0 38.9
91 25.0 12.1 36.3

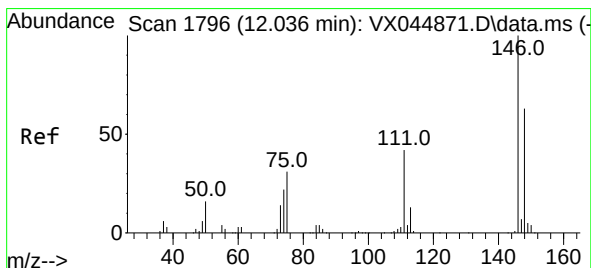
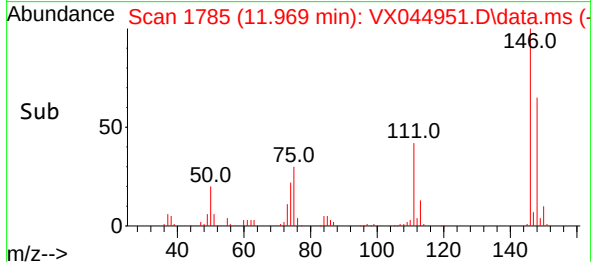
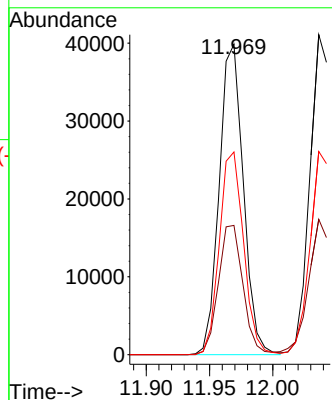
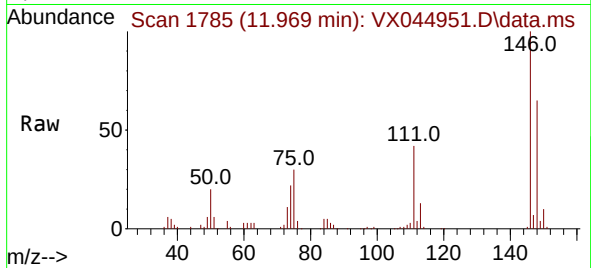




#87
1,3-Dichlorobenzene
Concen: 19.704 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

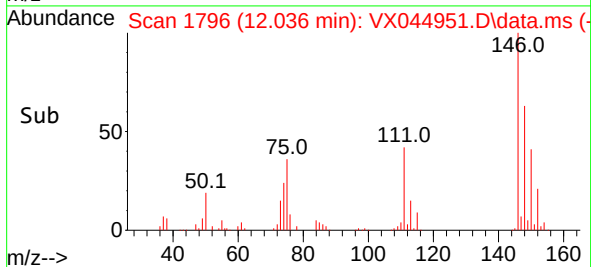
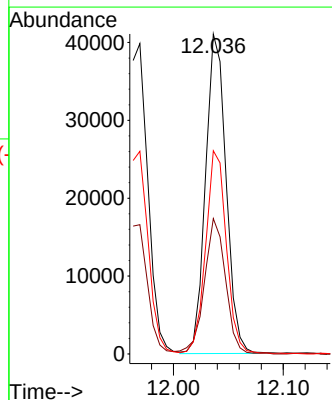
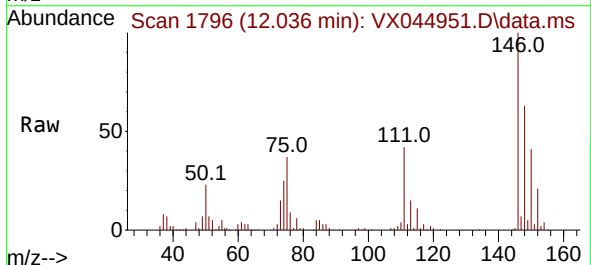
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

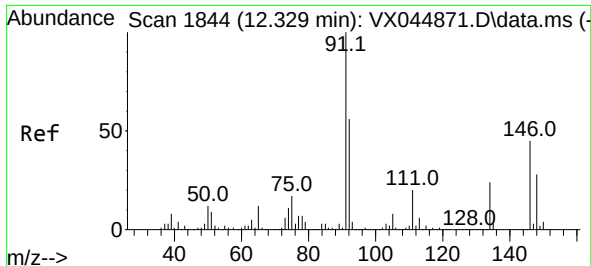
Tgt Ion:146 Resp: 52788
Ion Ratio Lower Upper
146 100
111 42.5 21.2 63.6
148 65.7 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 19.722 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:146 Resp: 53421
Ion Ratio Lower Upper
146 100
111 43.9 20.4 61.3
148 64.7 32.0 96.0





#89

n-Butylbenzene

Concen: 20.347 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044951.D

Acq: 14 Feb 2025 11:14

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBS01

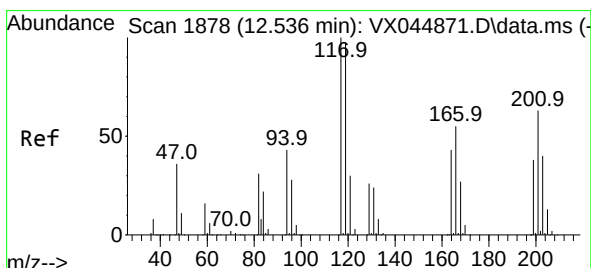
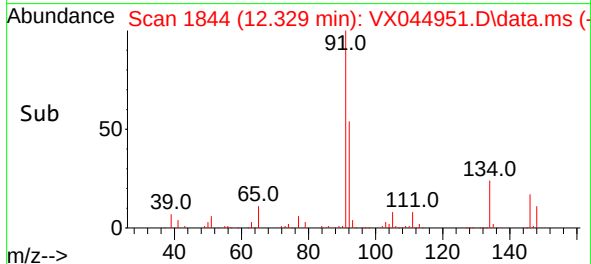
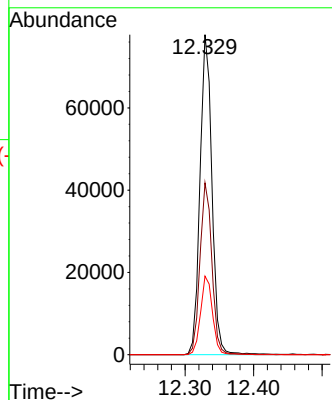
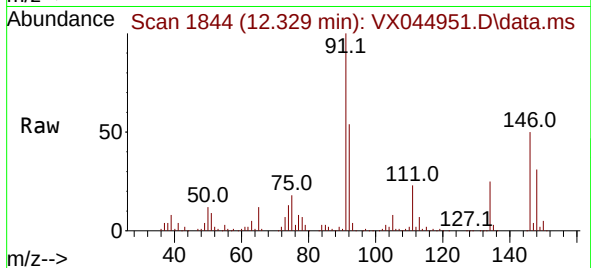
Tgt Ion: 91 Resp: 94562

Ion Ratio Lower Upper

91 100

92 53.6 27.2 81.6

134 24.6 12.1 36.3



#90

Hexachloroethane

Concen: 18.433 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044951.D

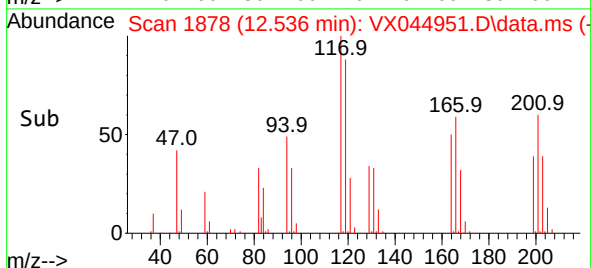
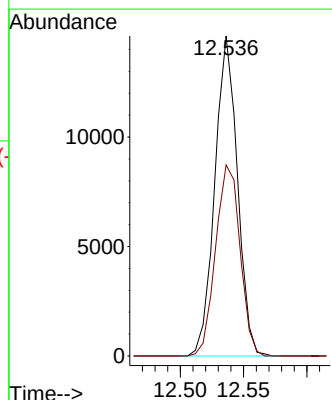
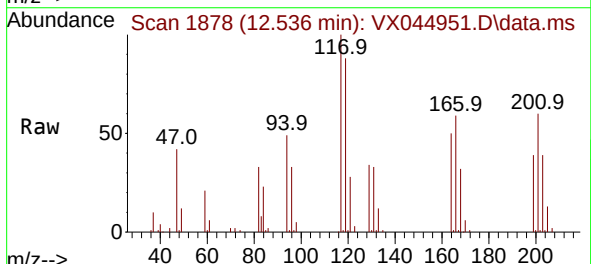
Acq: 14 Feb 2025 11:14

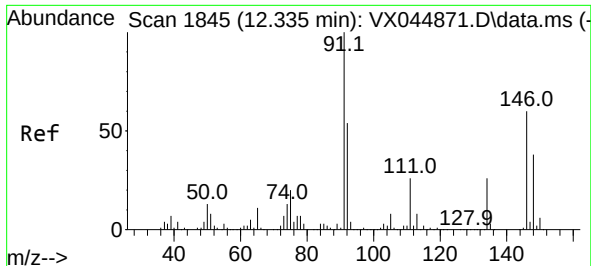
Tgt Ion: 117 Resp: 18131

Ion Ratio Lower Upper

117 100

201 64.5 32.5 97.5

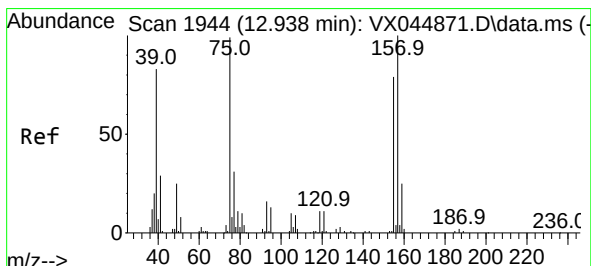
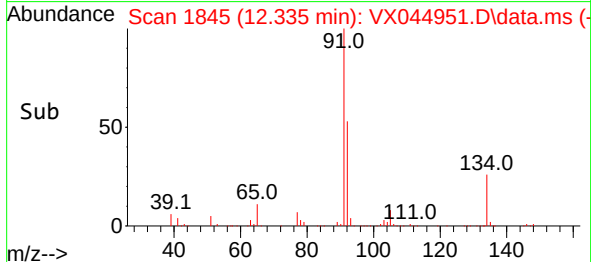
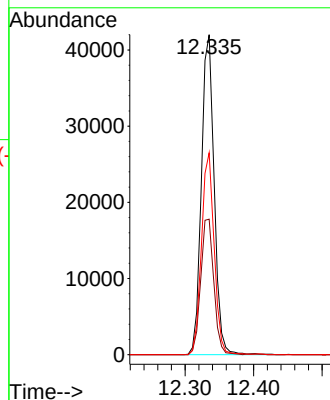
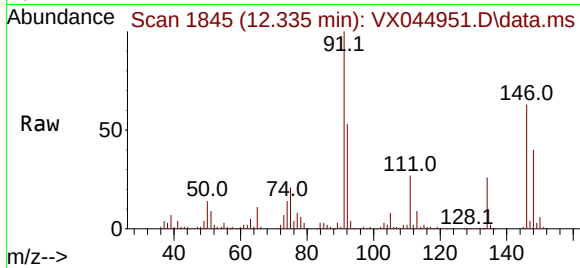




#91
1,2-Dichlorobenzene
Concen: 20.701 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

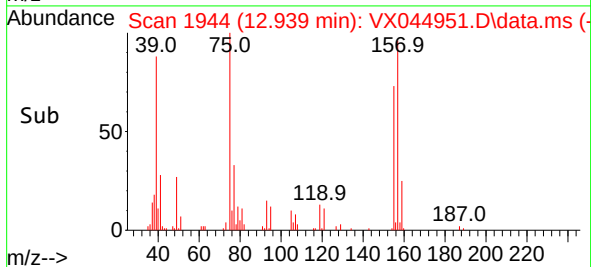
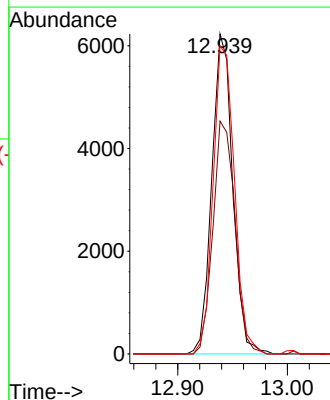
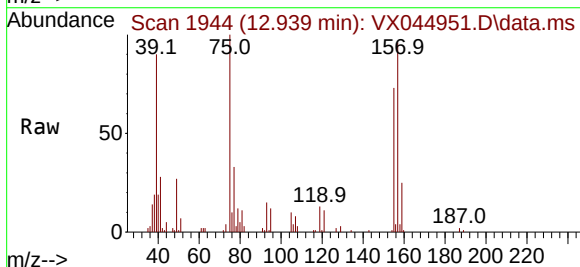
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

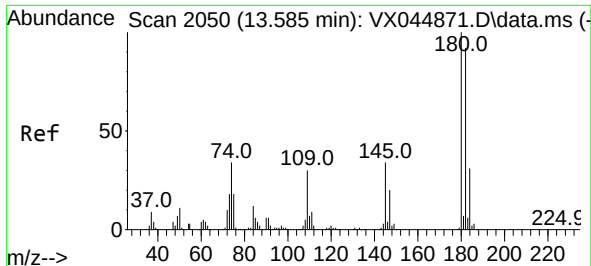
Tgt Ion:146 Resp: 54507
Ion Ratio Lower Upper
146 100
111 43.5 21.8 65.4
148 62.8 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.471 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion: 75 Resp: 8250
Ion Ratio Lower Upper
75 100
155 76.7 40.5 121.4
157 98.5 51.4 154.3

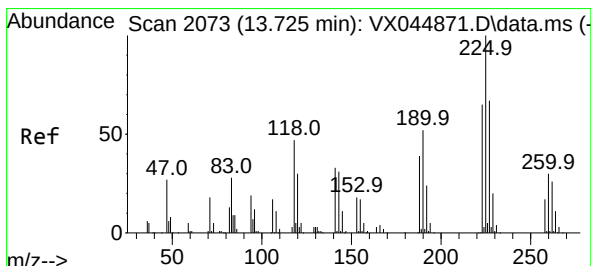
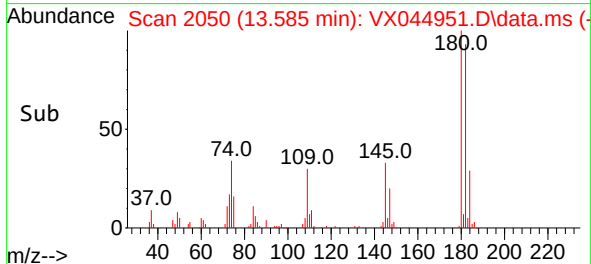
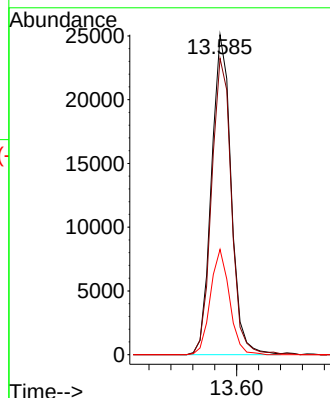
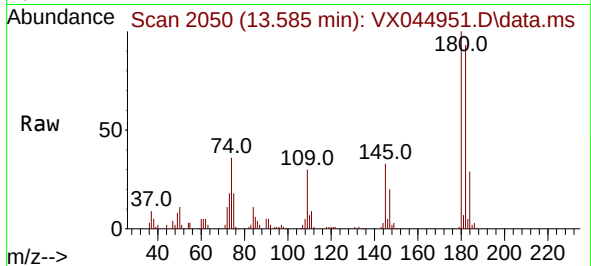




#93
1,2,4-Trichlorobenzene
Concen: 19.589 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

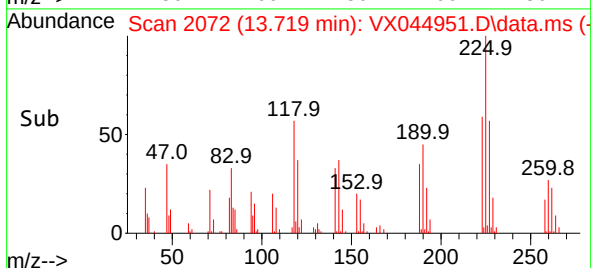
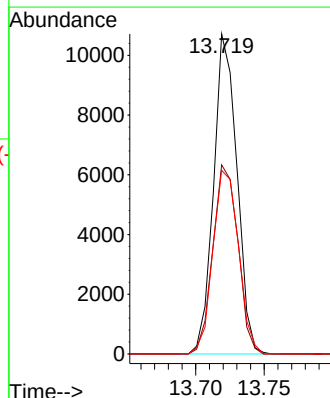
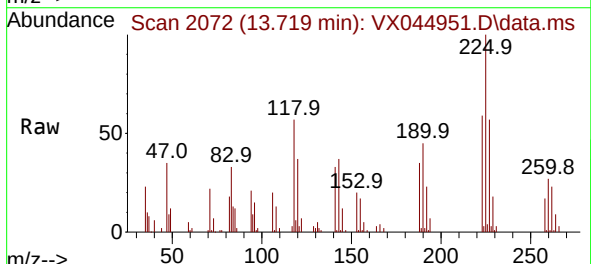
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

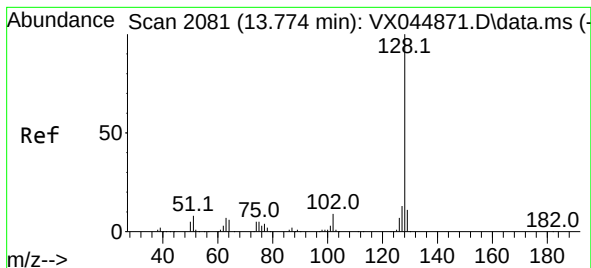
Tgt Ion:180 Resp: 31211
Ion Ratio Lower Upper
180 100
182 93.6 47.6 142.8
145 32.0 16.4 49.1



#94
Hexachlorobutadiene
Concen: 20.018 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:225 Resp: 12661
Ion Ratio Lower Upper
225 100
223 63.3 31.4 94.2
227 63.0 32.3 96.8

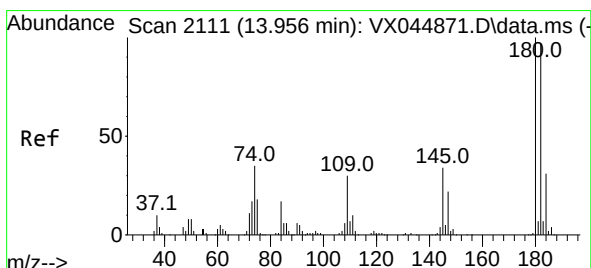
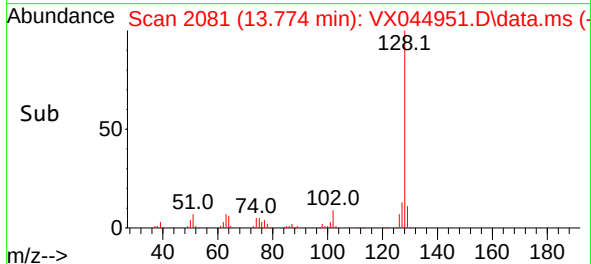
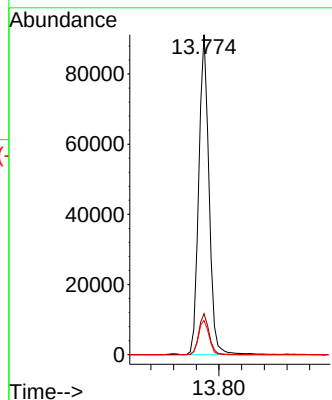
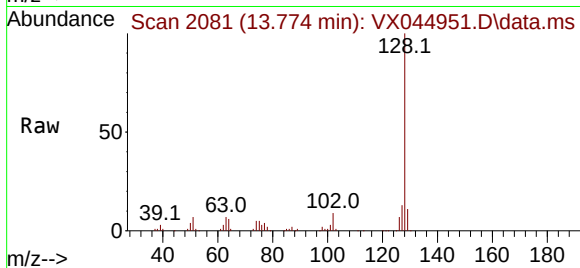




#95
Naphthalene
Concen: 19.835 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

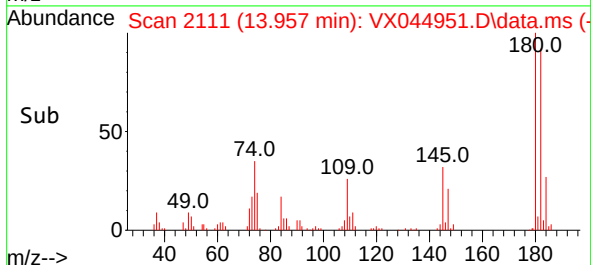
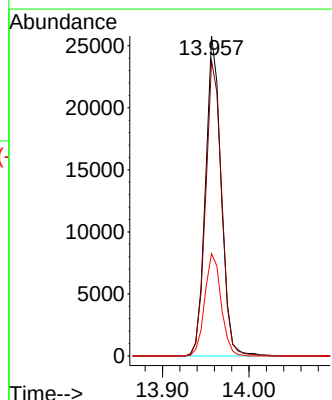
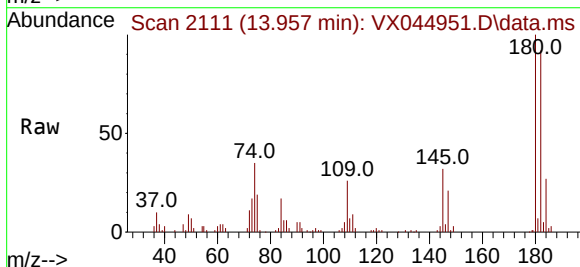
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBS01

Tgt Ion:128 Resp: 114238
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.099 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044951.D
Acq: 14 Feb 2025 11:14

Tgt Ion:180 Resp: 32268
Ion Ratio Lower Upper
180 100
182 94.9 47.9 143.6
145 33.4 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044952.D
 Acq On : 14 Feb 2025 11:40
 Operator : JC/MD
 Sample : VX0214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Quant Time: Feb 14 22:12:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	103875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77784	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77707	51.105	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.200%	
35) Dibromofluoromethane	5.379	113	60838	50.582	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.160%	
50) Toluene-d8	8.647	98	226624	49.828	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	11.079	95	81007	52.833	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.660%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	27927	19.169	ug/l	99
3) Chloromethane	1.301	50	32990	18.605	ug/l	96
4) Vinyl Chloride	1.374	62	30252	17.611	ug/l	100
5) Bromomethane	1.593	94	11122	21.636	ug/l	97
6) Chloroethane	1.666	64	16528	22.848	ug/l	100
7) Trichlorofluoromethane	1.874	101	42055	19.359	ug/l	98
8) Diethyl Ether	2.130	74	15615	19.820	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	26009	19.816	ug/l	99
10) Methyl Iodide	2.447	142	32276	18.974	ug/l	97
11) Tert butyl alcohol	2.971	59	29076	103.075	ug/l	99
12) 1,1-Dichloroethene	2.313	96	24273	18.130	ug/l	97
13) Acrolein	2.233	56	31135	106.978	ug/l	98
14) Allyl chloride	2.660	41	45037	18.613	ug/l	98
15) Acrylonitrile	3.062	53	78868	104.716	ug/l	99
16) Acetone	2.380	43	64564	105.623	ug/l	96
17) Carbon Disulfide	2.508	76	60307	16.426	ug/l	100
18) Methyl Acetate	2.697	43	41481	21.504	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	84252	19.778	ug/l	99
20) Methylene Chloride	2.782	84	28525	19.052	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	24497	18.590	ug/l	100
22) Diisopropyl ether	3.757	45	91929	20.082	ug/l	94
23) Vinyl Acetate	3.715	43	372164	99.722	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50075	19.550	ug/l	99
25) 2-Butanone	4.556	43	105945	106.736	ug/l	97
26) 2,2-Dichloropropane	4.465	77	37106	18.267	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	30448	19.237	ug/l	99
28) Bromochloromethane	4.891	49	22191	18.027	ug/l	100
29) Tetrahydrofuran	5.001	42	68840	104.445	ug/l	99
30) Chloroform	5.093	83	49641	19.984	ug/l	96
31) Cyclohexane	5.458	56	44062	18.660	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	40495	19.219	ug/l	98
36) 1,1-Dichloropropene	5.684	75	32376	18.658	ug/l	99
37) Ethyl Acetate	4.715	43	40204	20.830	ug/l	99
38) Carbon Tetrachloride	5.666	117	33498	19.700	ug/l	93
39) Methylcyclohexane	7.373	83	44129	19.671	ug/l	98
40) Benzene	6.031	78	106024	19.567	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044952.D
 Acq On : 14 Feb 2025 11:40
 Operator : JC/MD
 Sample : VX0214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

Quant Time: Feb 14 22:12:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	23036	22.298	ug/l	98
42) 1,2-Dichloroethane	6.080	62	37652	21.803	ug/l	100
43) Isopropyl Acetate	6.336	43	64357	20.648	ug/l	98
44) Trichloroethene	7.123	130	24052	19.420	ug/l	96
45) 1,2-Dichloropropane	7.427	63	26311	19.518	ug/l	99
46) Dibromomethane	7.580	93	19515	20.875	ug/l	98
47) Bromodichloromethane	7.818	83	37748	20.853	ug/l	97
48) Methyl methacrylate	7.690	41	31848	21.671	ug/l	97
49) 1,4-Dioxane	7.659	88	13982	443.448	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	219588	115.888	ug/l	97
52) Toluene	8.714	92	63830	19.780	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	35347	19.296	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	40620	19.889	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	26556	21.408	ug/l	98
56) Ethyl methacrylate	9.116	69	41272	20.600	ug/l	99
57) 1,3-Dichloropropane	9.305	76	45713	21.061	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	99532	101.176	ug/l	99
59) 2-Hexanone	9.427	43	159284	116.671	ug/l	99
60) Dibromochloromethane	9.519	129	28129	21.203	ug/l	97
61) 1,2-Dibromoethane	9.604	107	27025	21.494	ug/l	97
64) Tetrachloroethene	9.269	164	21103	20.294	ug/l	96
65) Chlorobenzene	10.073	112	70853	20.006	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	22743	19.951	ug/l	98
67) Ethyl Benzene	10.189	91	122687	19.631	ug/l	100
68) m/p-Xylenes	10.299	106	92530	40.136	ug/l	99
69) o-Xylene	10.640	106	45891	19.838	ug/l	97
70) Styrene	10.652	104	77302	20.741	ug/l	99
71) Bromoform	10.799	173	18090	21.264	ug/l #	100
73) Isopropylbenzene	10.957	105	117063	18.691	ug/l	99
74) N-amyl acetate	10.841	43	55559	19.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	42130	19.576	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	42262	24.506	ug/l	85
77) Bromobenzene	11.195	156	27335	19.251	ug/l	99
78) n-propylbenzene	11.299	91	138085	19.101	ug/l	100
79) 2-Chlorotoluene	11.360	91	84337	18.982	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	98051	19.292	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11059	16.496	ug/l	89
82) 4-Chlorotoluene	11.451	91	94538	19.233	ug/l	99
83) tert-Butylbenzene	11.713	119	99538	19.359	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	100112	19.957	ug/l	100
85) sec-Butylbenzene	11.890	105	126113	19.808	ug/l	99
86) p-Isopropyltoluene	12.006	119	103751	20.263	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	50550	19.359	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	51205	19.395	ug/l	99
89) n-Butylbenzene	12.329	91	90481	19.975	ug/l	99
90) Hexachloroethane	12.536	117	17246	17.989	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	52530	20.469	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7941	20.217	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	29608	19.066	ug/l	98
94) Hexachlorobutadiene	13.725	225	12223	19.827	ug/l	98
95) Naphthalene	13.774	128	110366	19.661	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	30613	19.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044952.D
Acq On : 14 Feb 2025 11:40
Operator : JC/MD
Sample : VX0214WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Quant Time: Feb 14 22:12:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

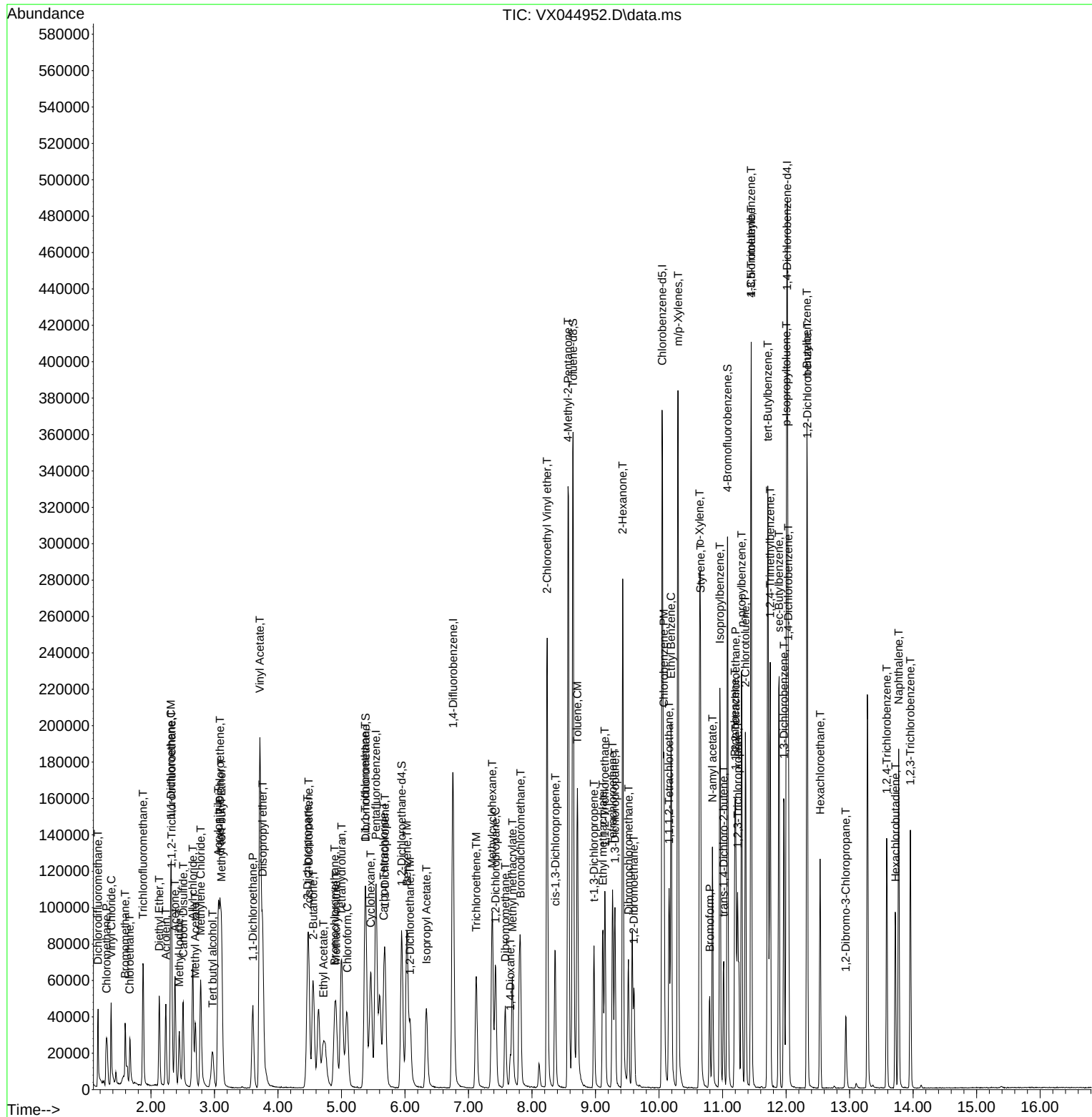
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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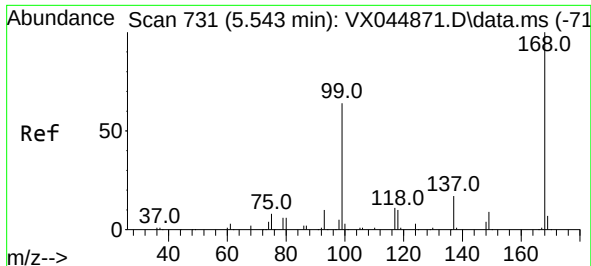
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044952.D
Acq On : 14 Feb 2025 11:40
Operator : JC/MD
Sample : VX0214WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Quant Time: Feb 14 22:12:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

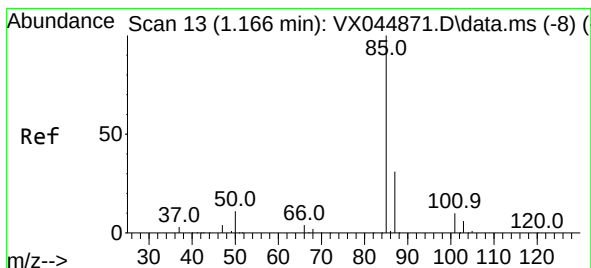
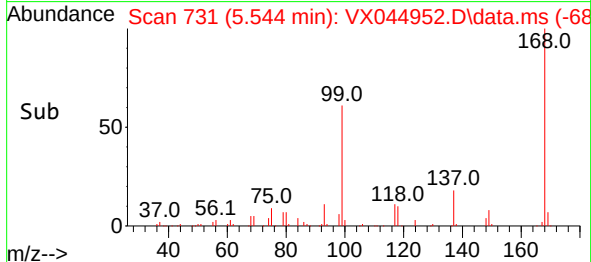
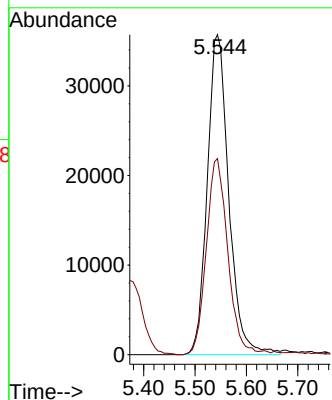
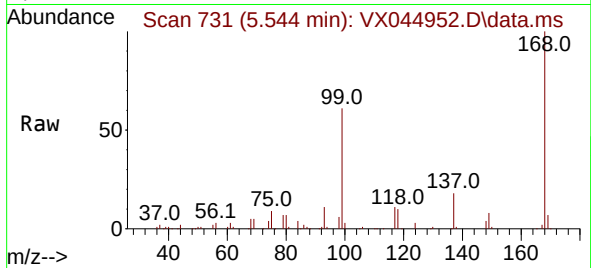




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

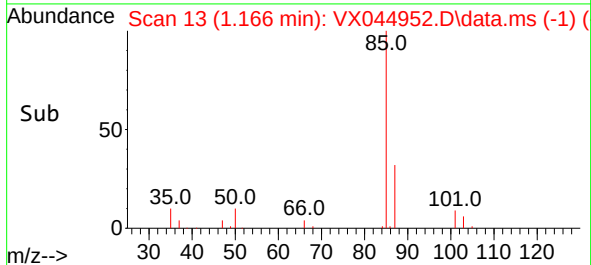
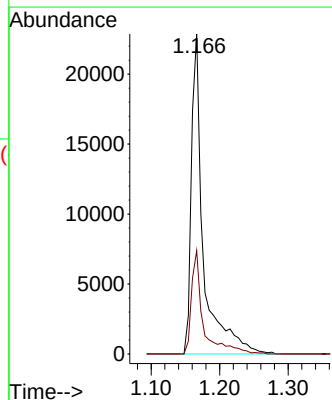
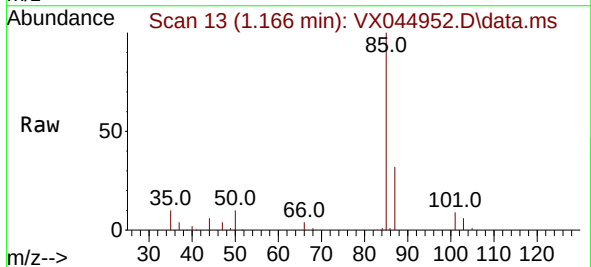
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

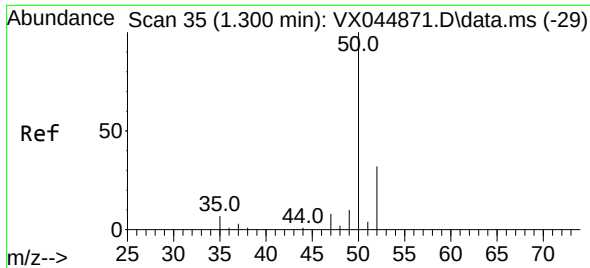
Tgt Ion:168 Resp: 103875
Ion Ratio Lower Upper
168 100
99 61.3 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 19.169 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 85 Resp: 27927
Ion Ratio Lower Upper
85 100
87 32.3 15.8 47.3

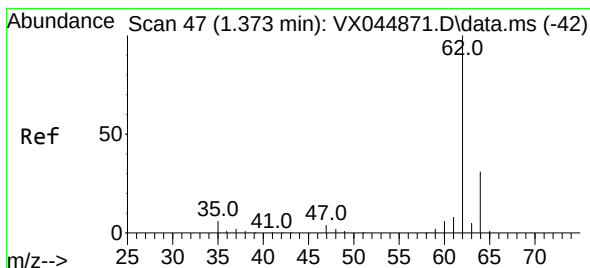
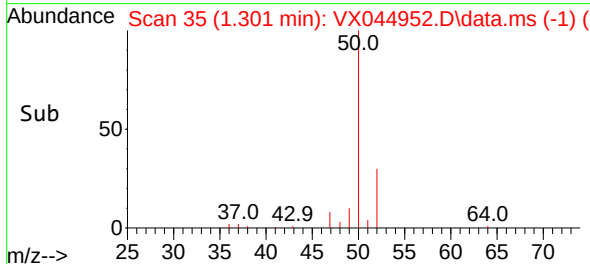
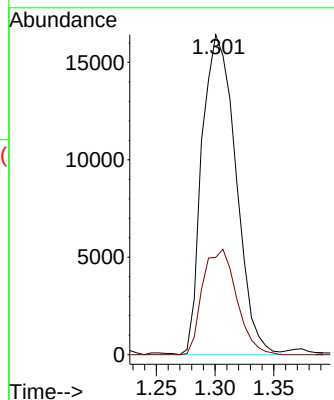
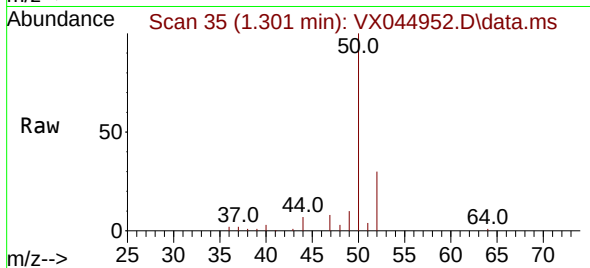




#3
Chloromethane
Concen: 18.605 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

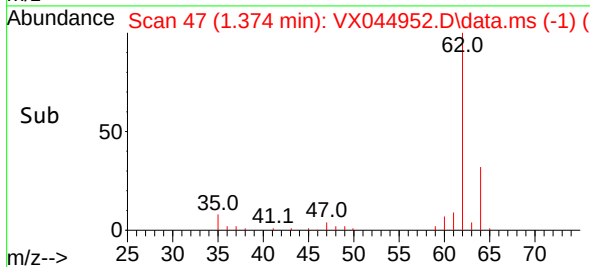
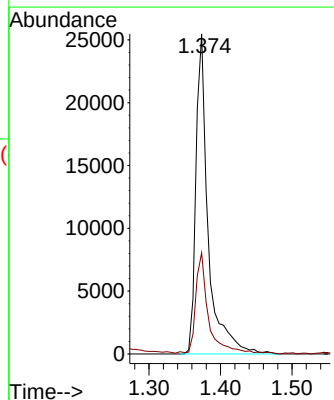
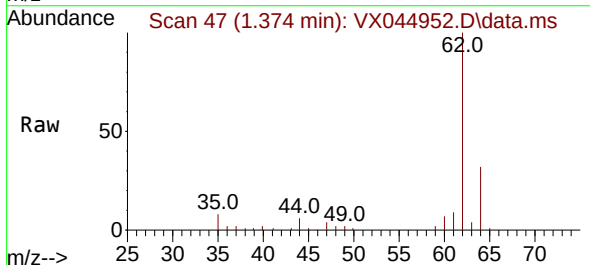
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

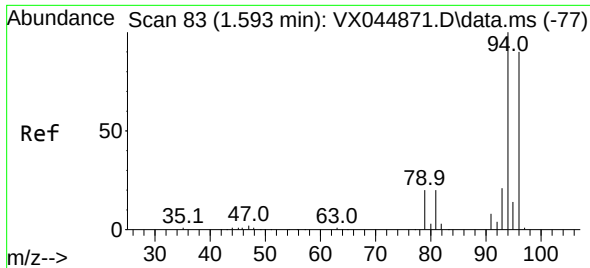
Tgt Ion: 50 Resp: 32990
Ion Ratio Lower Upper
50 100
52 30.4 25.9 38.9



#4
Vinyl Chloride
Concen: 17.611 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 62 Resp: 30252
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.0

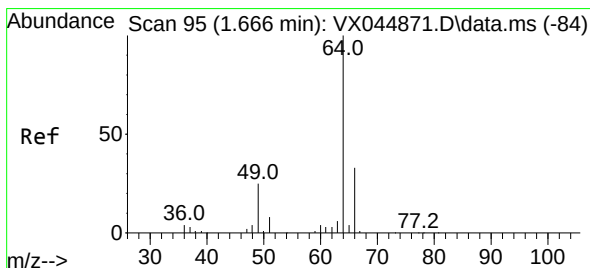
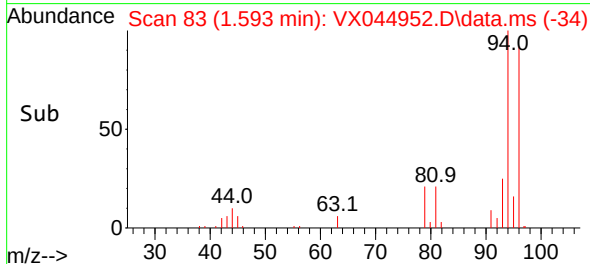
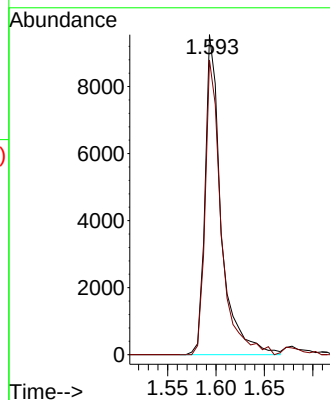
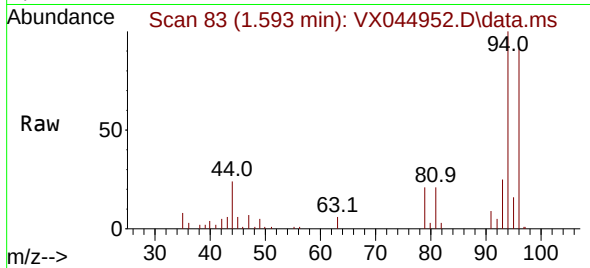




#5
Bromomethane
Concen: 21.636 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

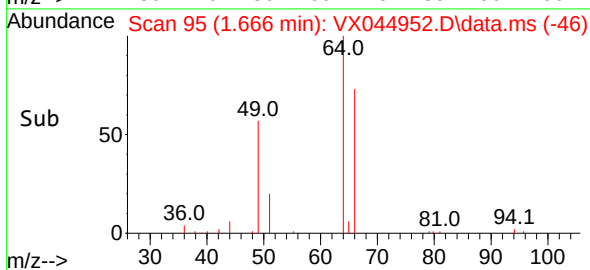
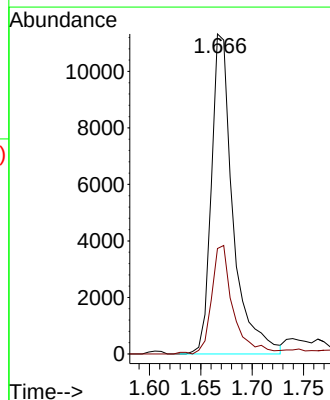
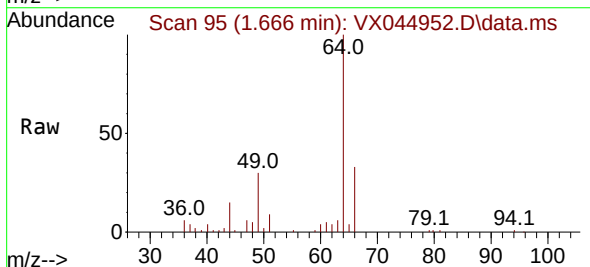
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

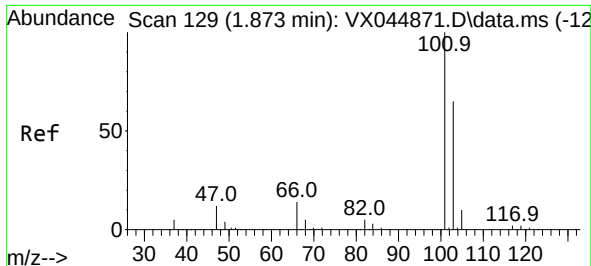
Tgt Ion: 94 Resp: 11122
Ion Ratio Lower Upper
94 100
96 92.1 71.6 107.4



#6
Chloroethane
Concen: 22.848 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 64 Resp: 16528
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9

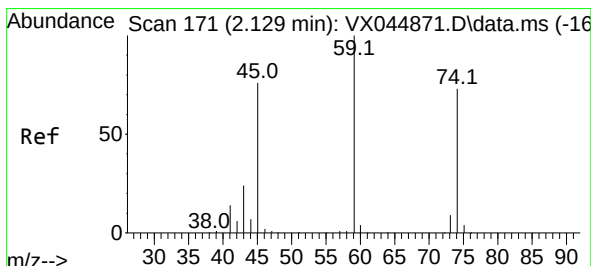
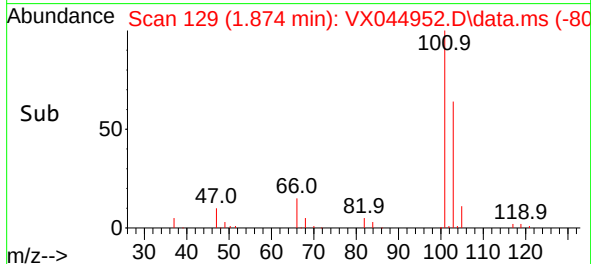
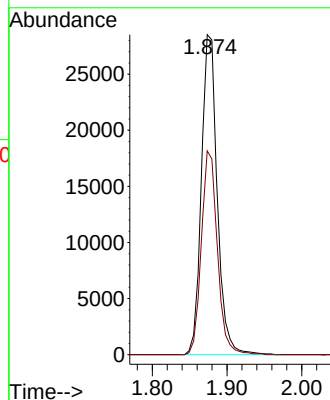
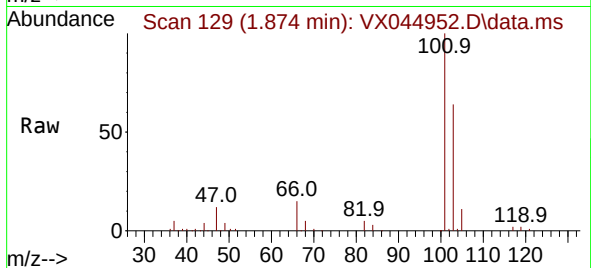




#7
Trichlorofluoromethane
Concen: 19.359 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

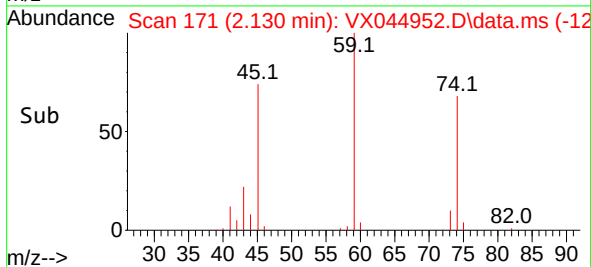
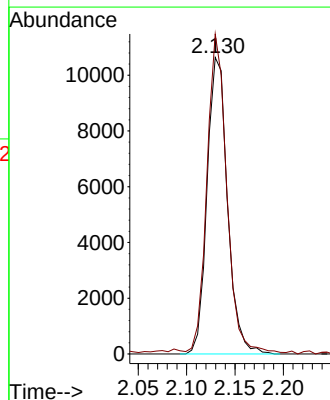
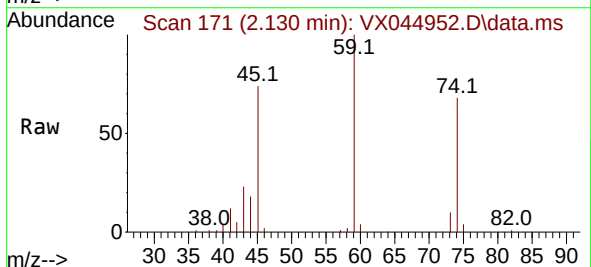
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

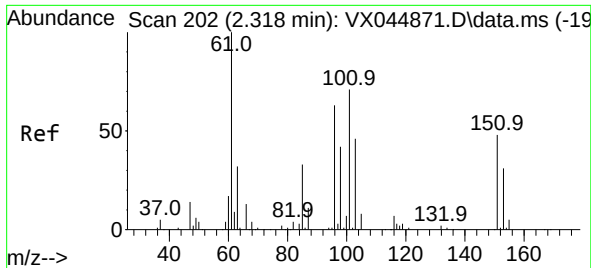
Tgt Ion:101 Resp: 42055
Ion Ratio Lower Upper
101 100
103 63.7 52.4 78.6



#8
Diethyl Ether
Concen: 19.820 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 74 Resp: 15615
Ion Ratio Lower Upper
74 100
45 103.6 51.1 153.4

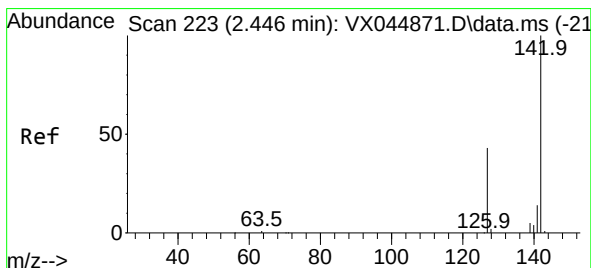
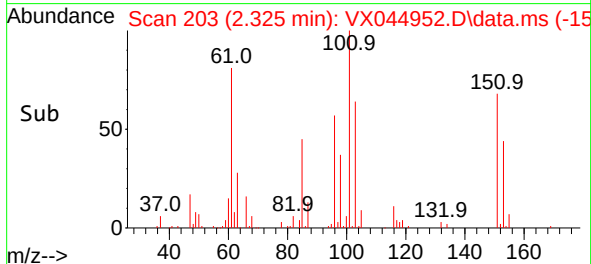
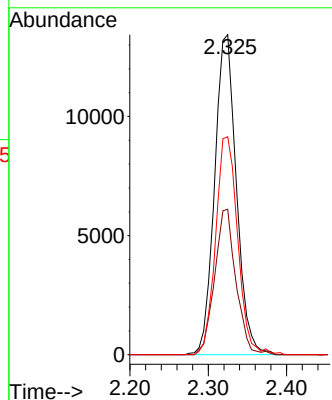
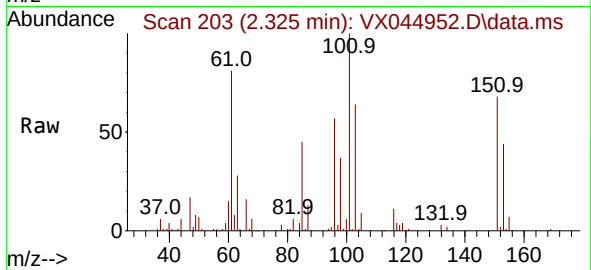




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.816 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

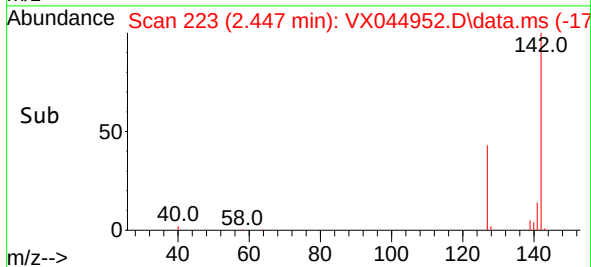
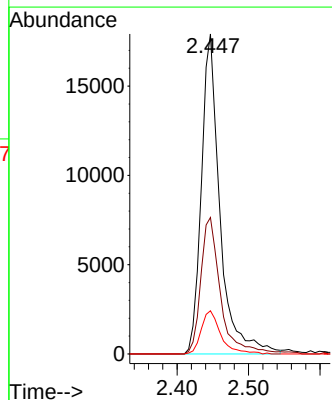
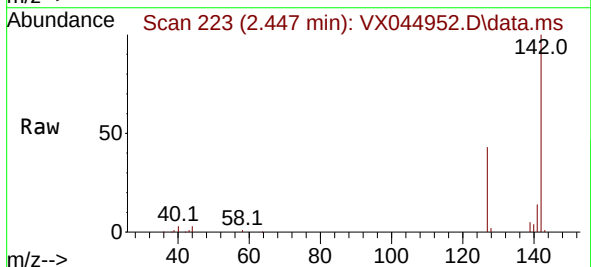
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

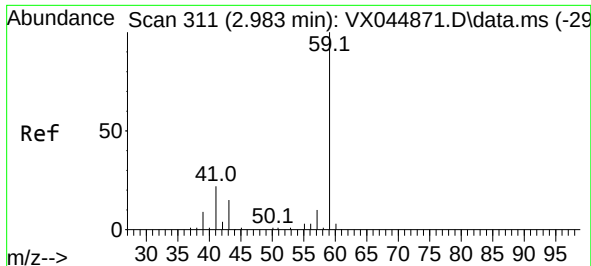
Tgt Ion:101 Resp: 26009
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 68.9 56.0 84.0



#10
Methyl Iodide
Concen: 18.974 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:142 Resp: 32276
Ion Ratio Lower Upper
142 100
127 45.7 34.3 51.5
141 14.3 11.4 17.2

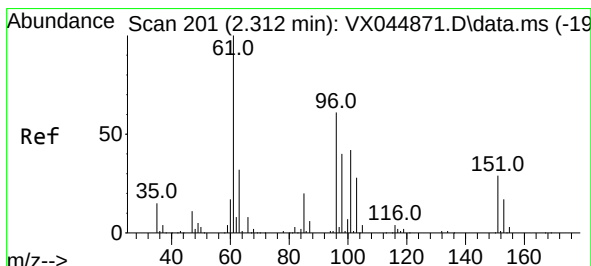
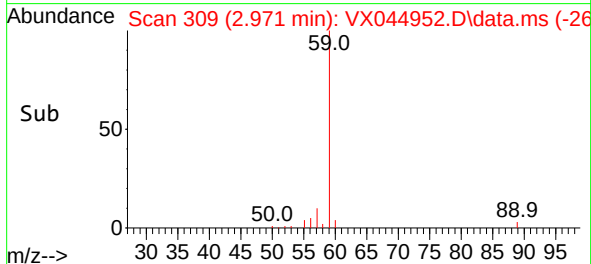
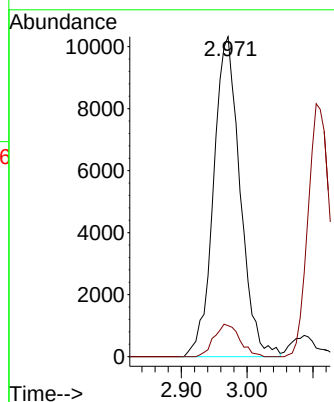
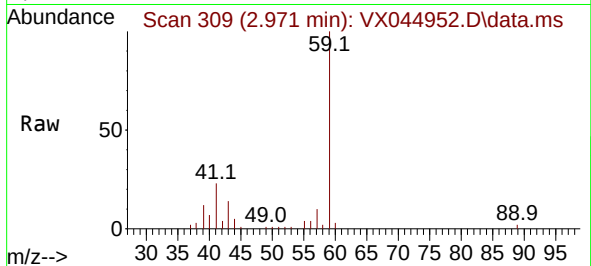




#11
Tert butyl alcohol
Concen: 103.075 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

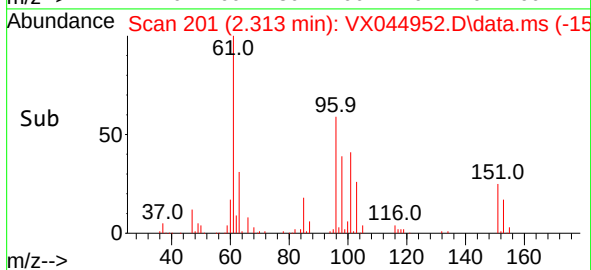
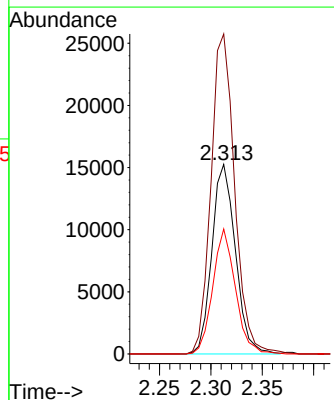
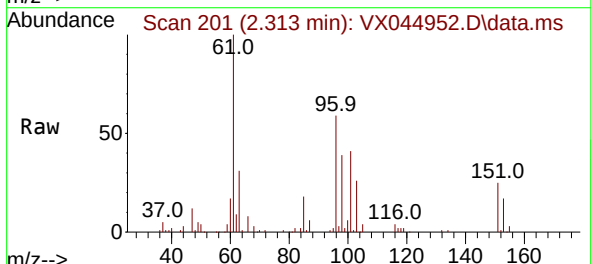
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

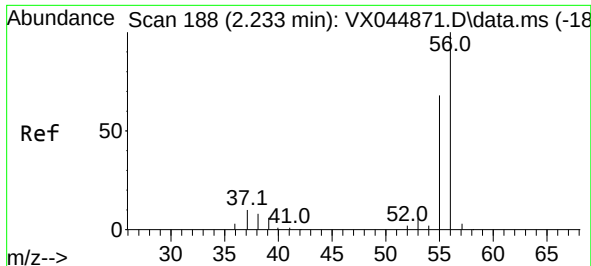
Tgt Ion: 59 Resp: 29076
Ion Ratio Lower Upper
59 100
57 9.8 8.1 12.1



#12
1,1-Dichloroethene
Concen: 18.130 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 96 Resp: 24273
Ion Ratio Lower Upper
96 100
61 168.8 130.2 195.4
98 65.9 52.2 78.4

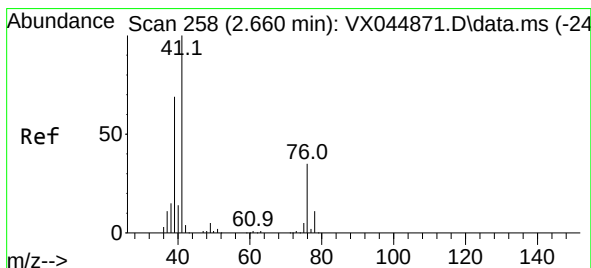
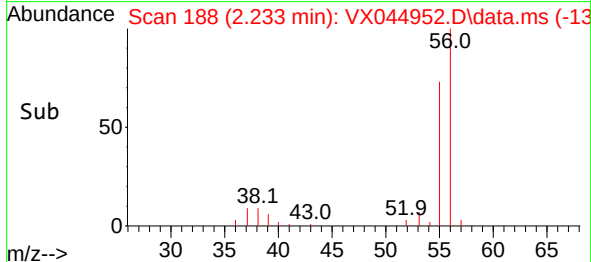
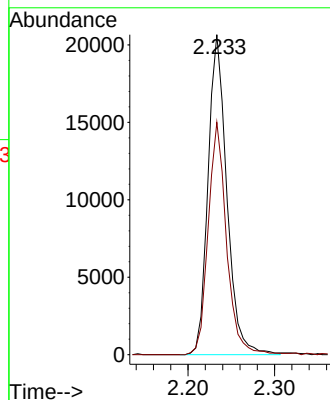
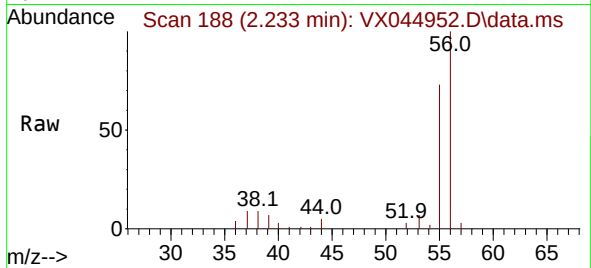




#13
Acrolein
Concen: 106.978 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

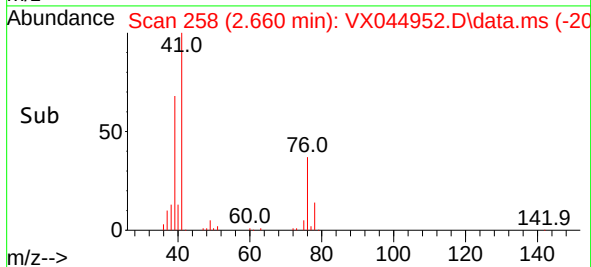
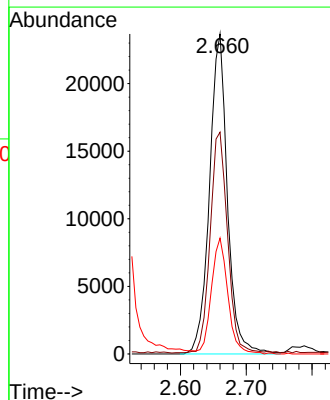
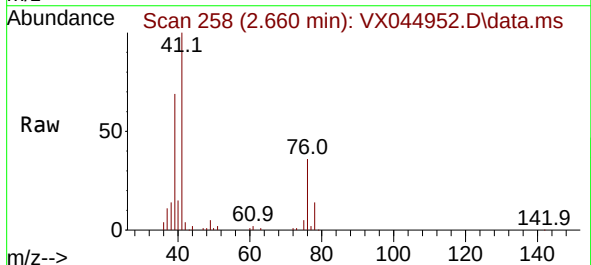
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

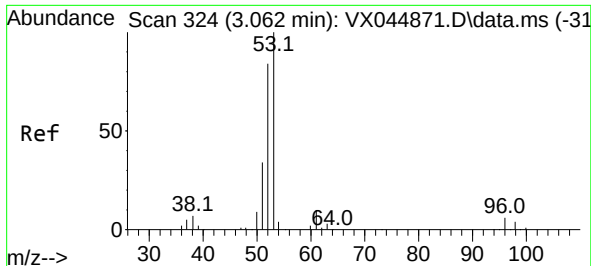
Tgt Ion: 56 Resp: 31135
Ion Ratio Lower Upper
56 100
55 71.0 55.7 83.5



#14
Allyl chloride
Concen: 18.613 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 41 Resp: 45037
Ion Ratio Lower Upper
41 100
39 66.8 51.4 77.2
76 33.2 27.0 40.4

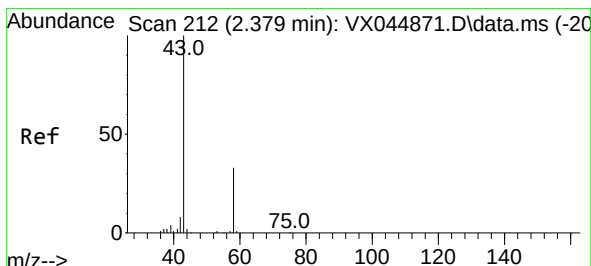
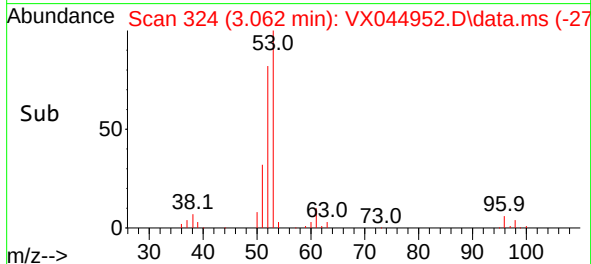
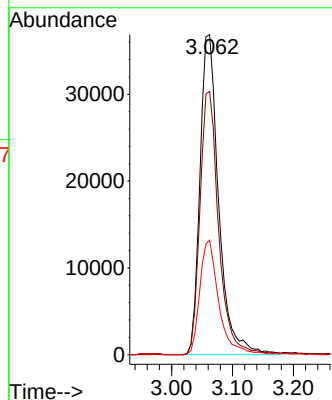
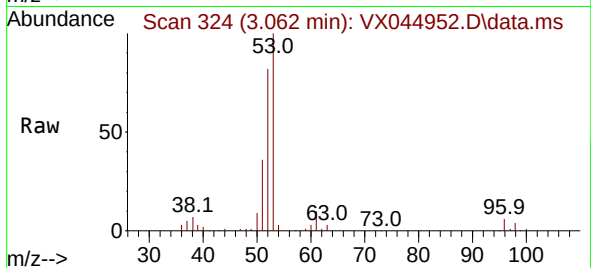




#15
Acrylonitrile
Concen: 104.716 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

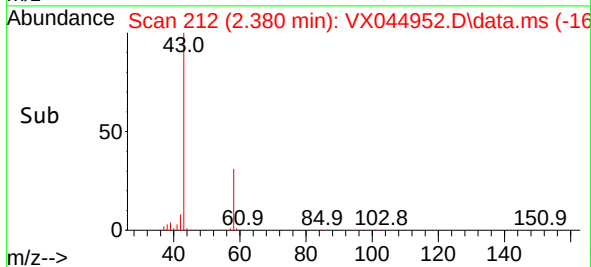
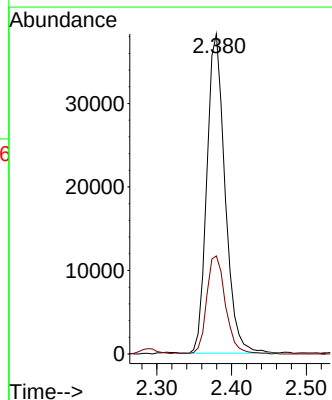
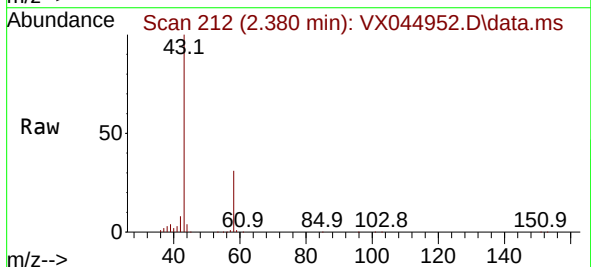
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

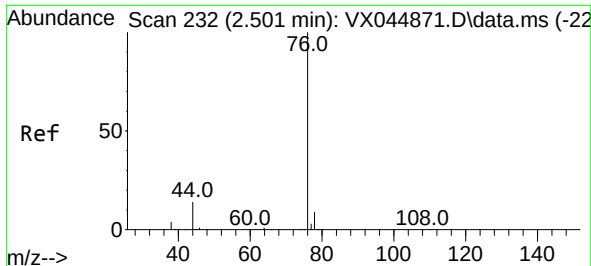
Tgt Ion:	53	Resp:	78868
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.0	97.6
51	36.2	28.0	42.0



#16
Acetone
Concen: 105.623 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:	43	Resp:	64564
Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.5	39.7

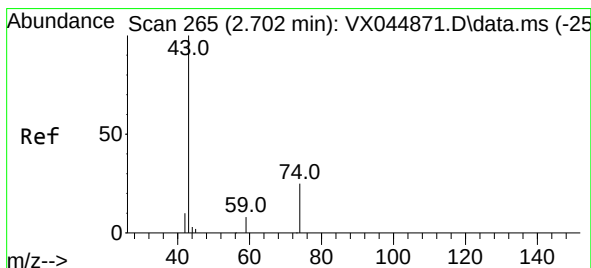
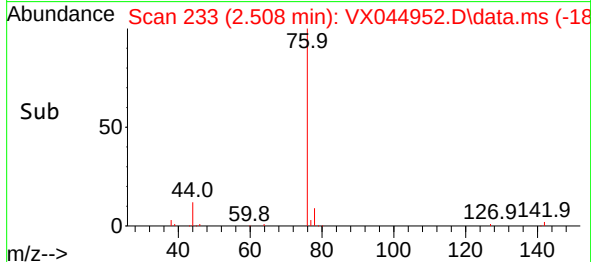
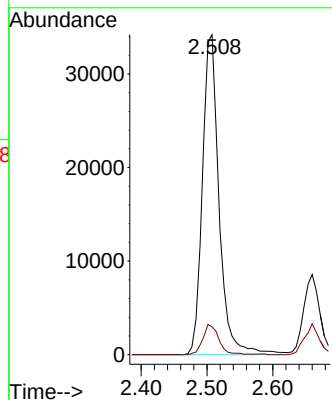
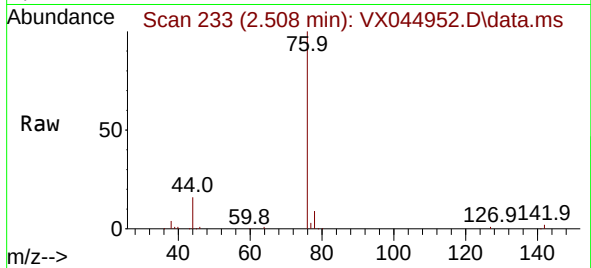




#17
Carbon Disulfide
Concen: 16.426 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

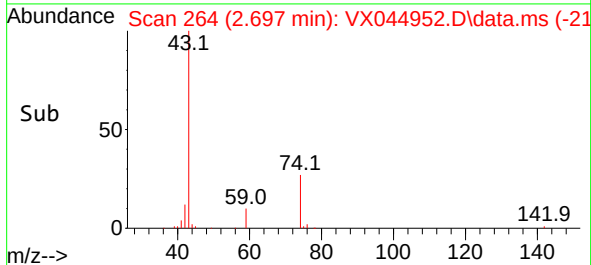
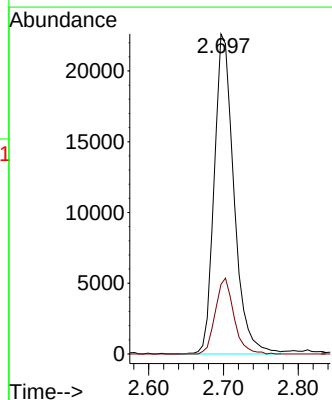
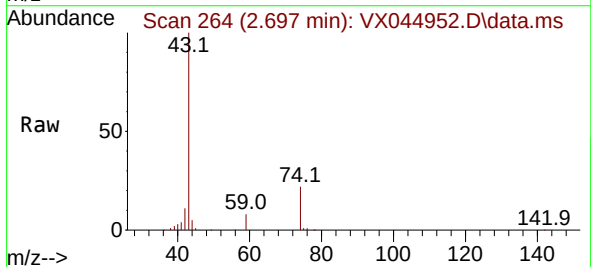
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

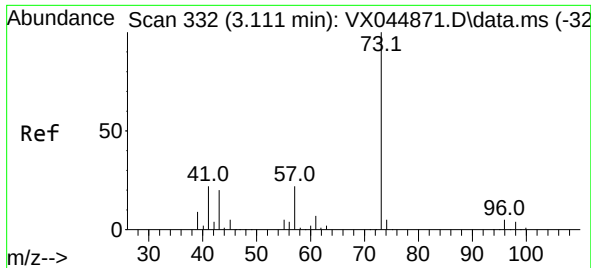
Tgt Ion: 76 Resp: 60307
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 21.504 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 43 Resp: 41481
Ion Ratio Lower Upper
43 100
74 22.4 18.9 28.3

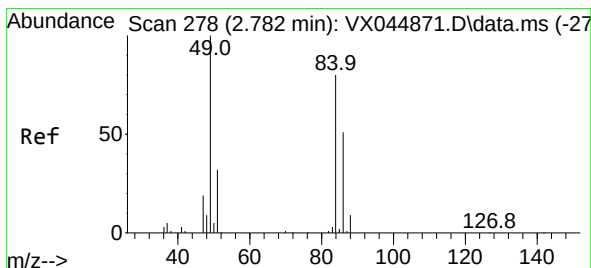
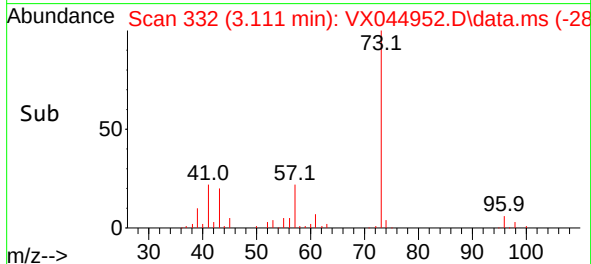
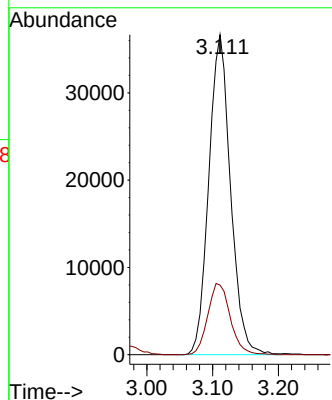
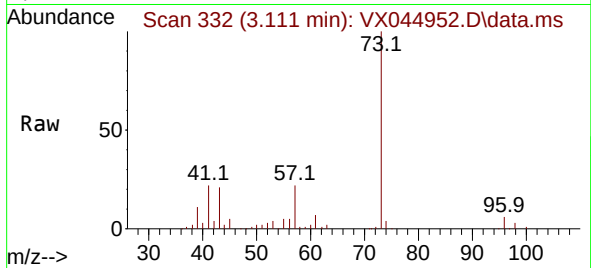




#19
Methyl tert-butyl Ether
Concen: 19.778 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

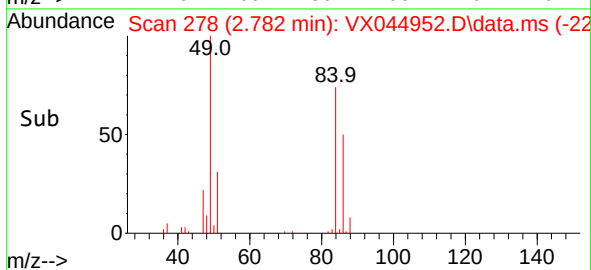
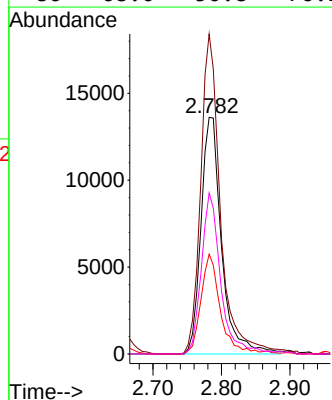
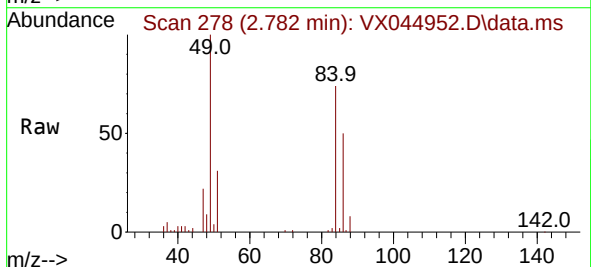
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

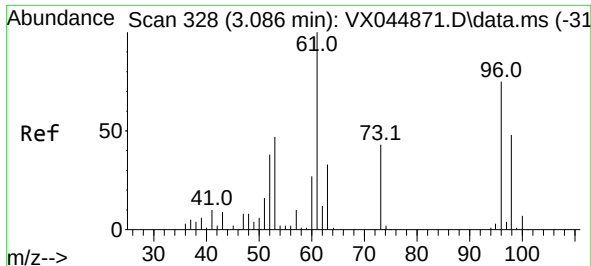
Tgt Ion: 73 Resp: 84252
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 19.052 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 84 Resp: 28525
Ion Ratio Lower Upper
84 100
49 135.3 100.1 150.1
51 42.2 31.7 47.5
86 68.0 50.8 76.2

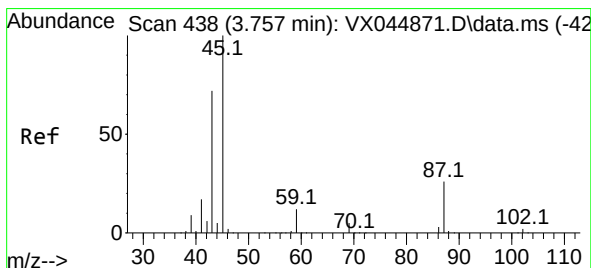
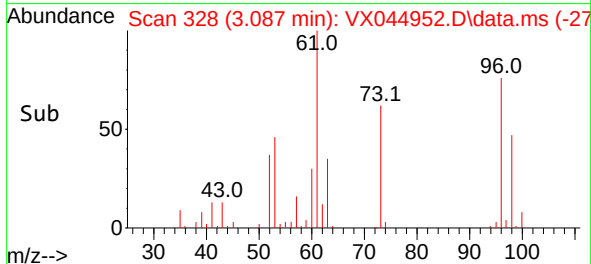
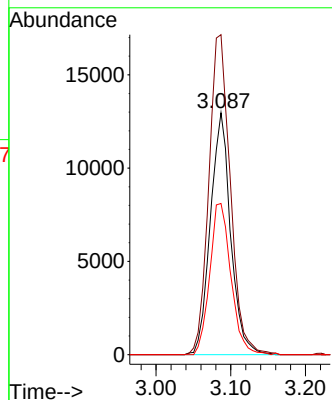
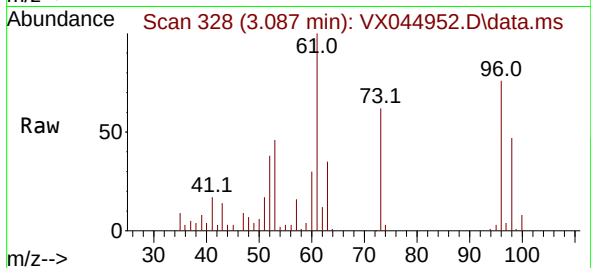




#21
trans-1,2-Dichloroethene
Concen: 18.590 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

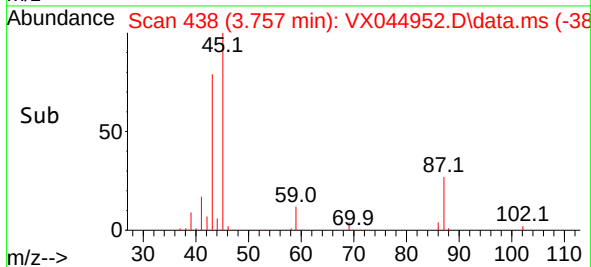
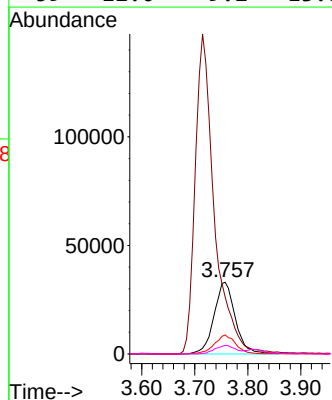
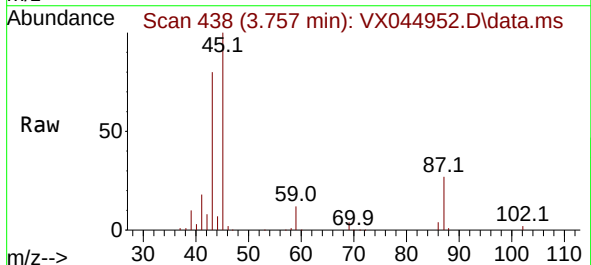
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

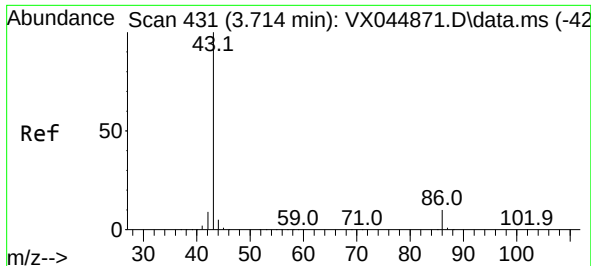
Tgt Ion: 96 Resp: 24497
Ion Ratio Lower Upper
96 100
61 132.3 106.0 159.0
98 62.5 50.6 76.0



#22
Diisopropyl ether
Concen: 20.082 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 45 Resp: 91929
Ion Ratio Lower Upper
45 100
43 78.9 58.0 87.0
87 26.6 20.7 31.1
59 12.0 9.2 13.8

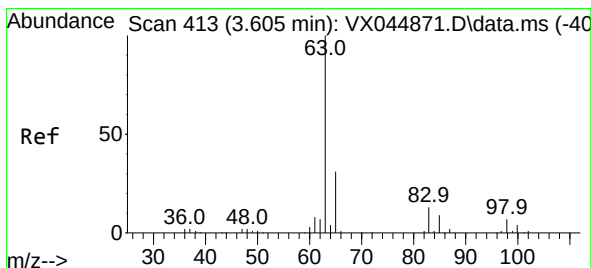
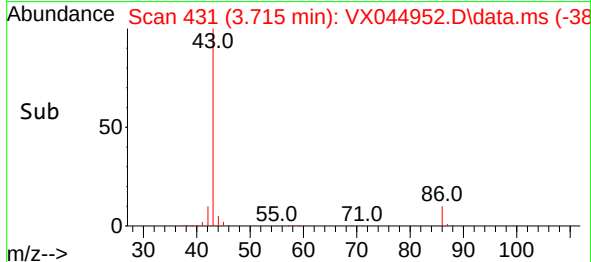
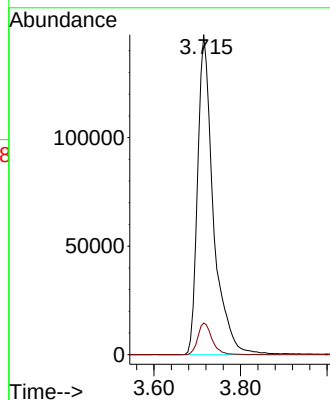
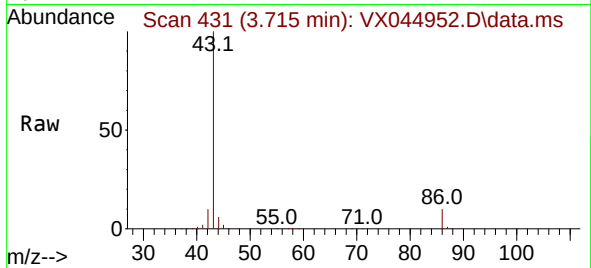




#23
 Vinyl Acetate
 Concen: 99.722 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044952.D
 Acq: 14 Feb 2025 11:40

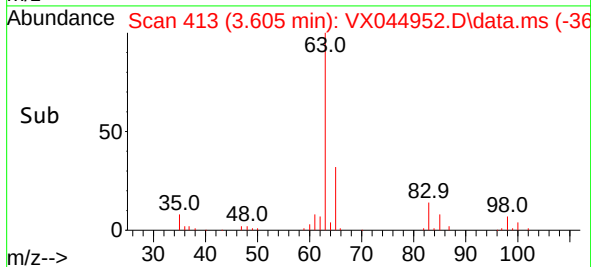
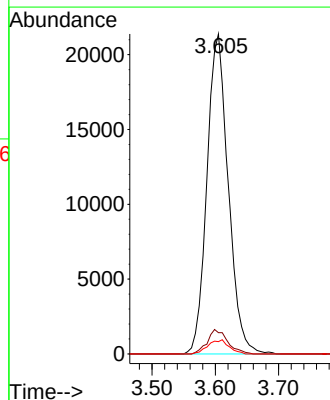
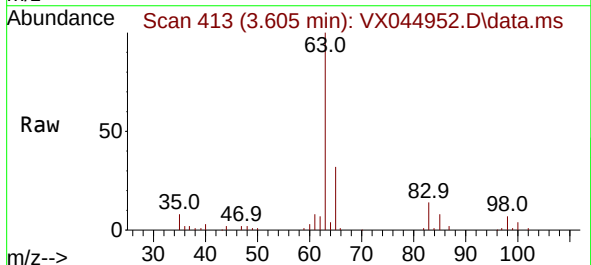
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

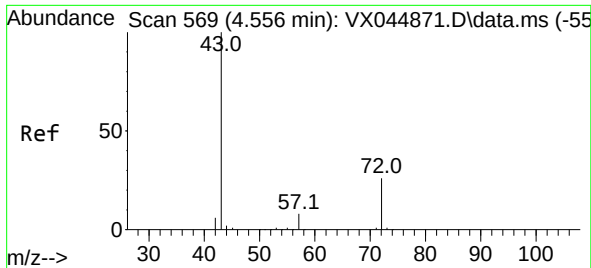
Tgt Ion: 43 Resp: 372164
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 19.550 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044952.D
 Acq: 14 Feb 2025 11:40

Tgt Ion: 63 Resp: 50075
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 3.8 2.1 6.5

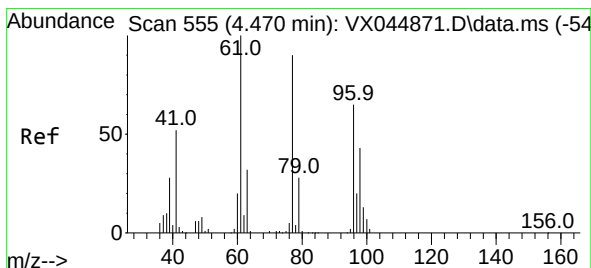
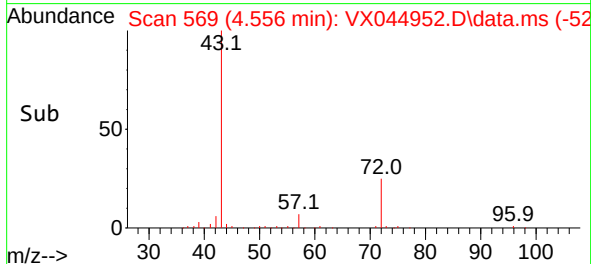
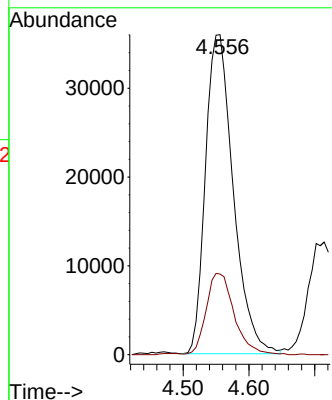
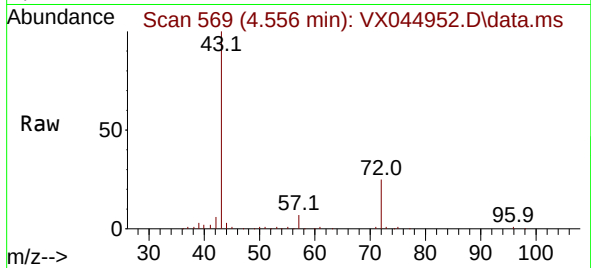




#25
2-Butanone
Concen: 106.736 ug/l
RT: 4.556 min Scan# 509
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

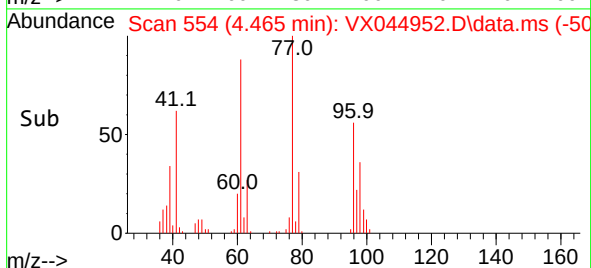
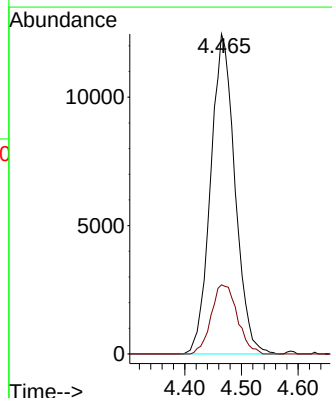
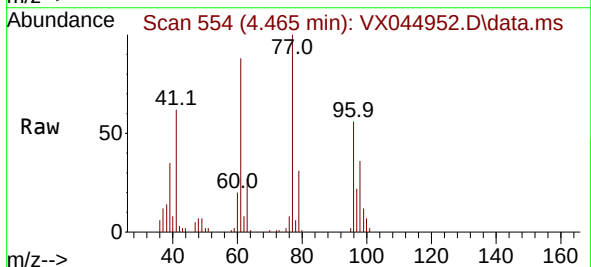
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

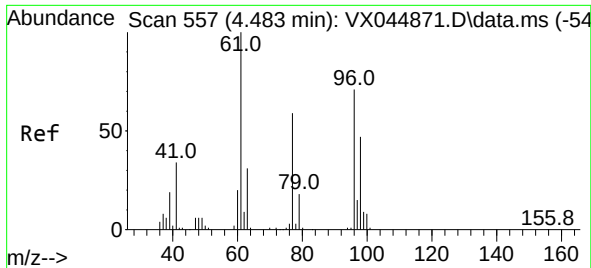
Tgt Ion: 43 Resp: 105945
Ion Ratio Lower Upper
43 100
72 25.0 21.2 31.8



#26
2,2-Dichloropropane
Concen: 18.267 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 77 Resp: 37106
Ion Ratio Lower Upper
77 100
97 23.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.237 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

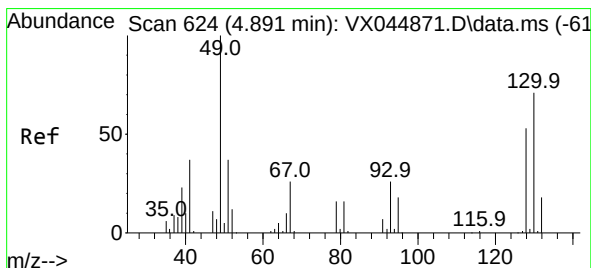
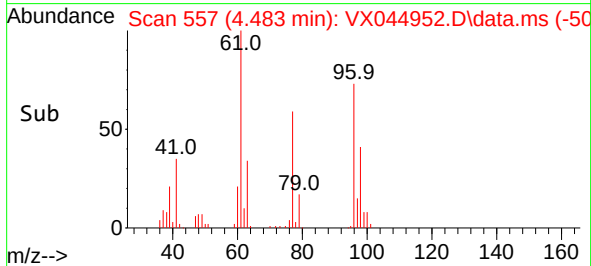
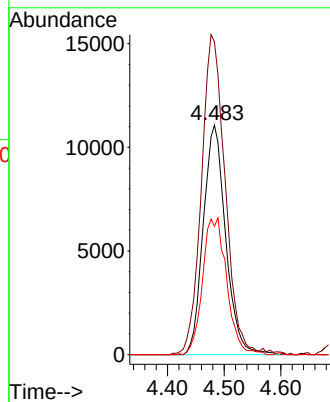
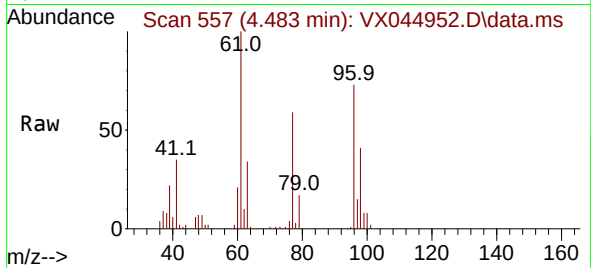
Tgt Ion: 96 Resp: 30448

Ion Ratio Lower Upper

96 100

61 146.8 0.0 294.0

98 64.0 0.0 131.2



#28

Bromochloromethane

Concen: 18.027 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

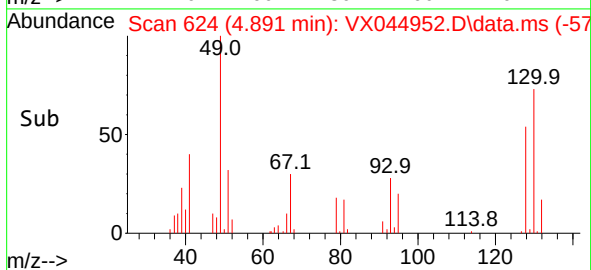
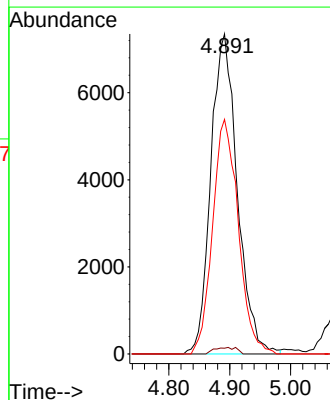
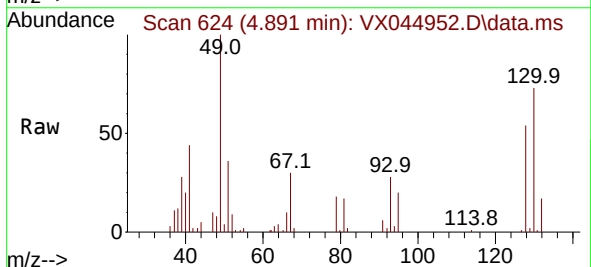
Tgt Ion: 49 Resp: 22191

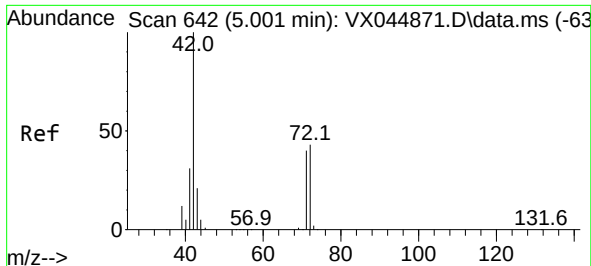
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 71.1 56.7 85.1





#29

Tetrahydrofuran

Concen: 104.445 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

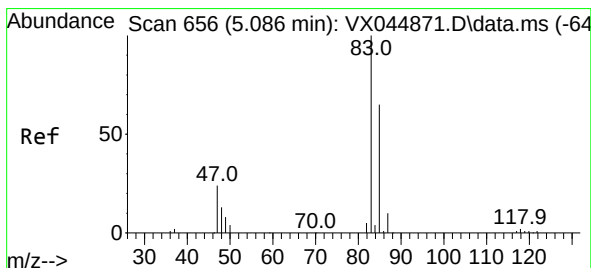
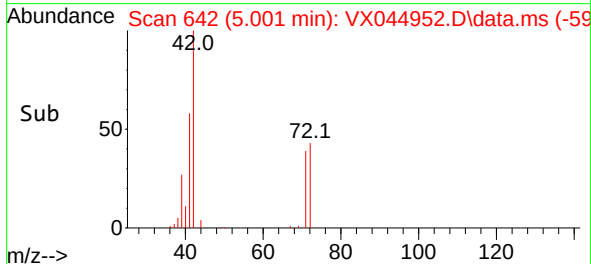
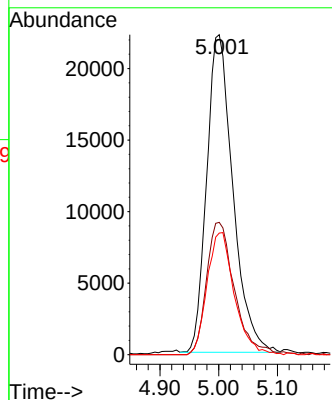
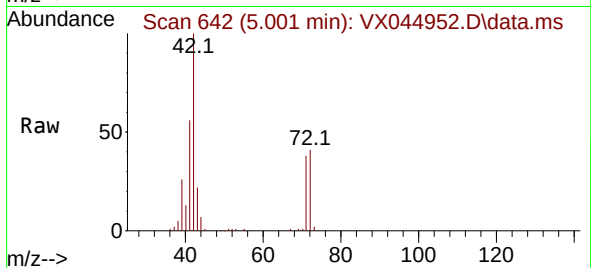
Tgt Ion: 42 Resp: 68840

Ion Ratio Lower Upper

42 100

72 44.4 35.0 52.4

71 40.0 32.6 48.8



#30

Chloroform

Concen: 19.984 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044952.D

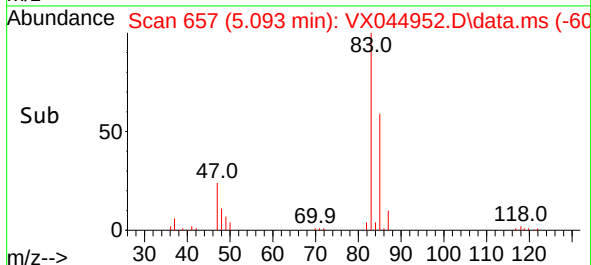
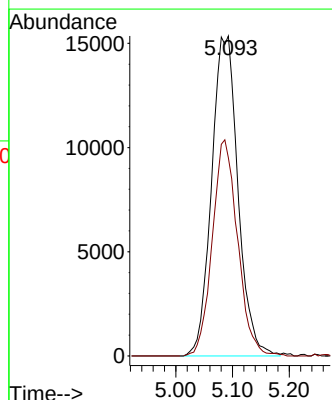
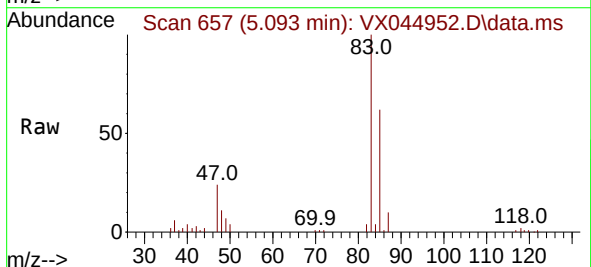
Acq: 14 Feb 2025 11:40

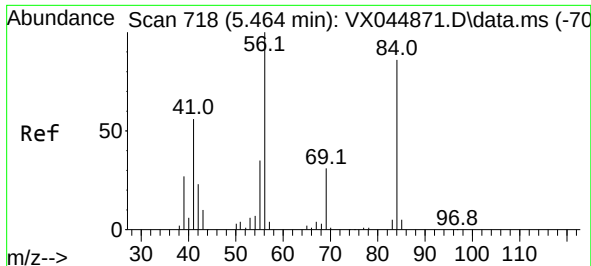
Tgt Ion: 83 Resp: 49641

Ion Ratio Lower Upper

83 100

85 61.9 52.1 78.1

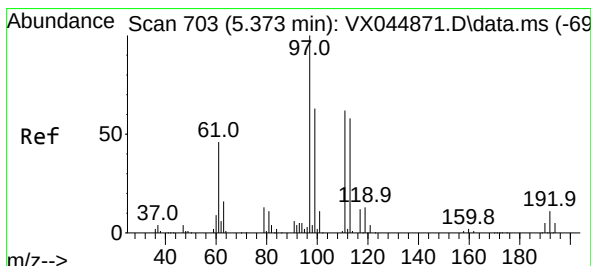
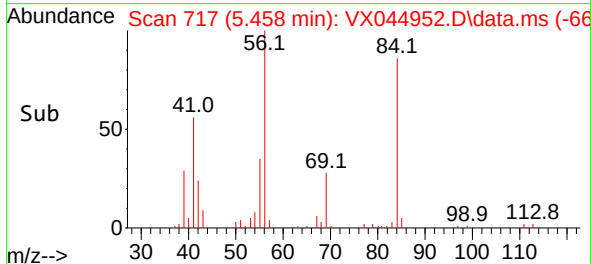
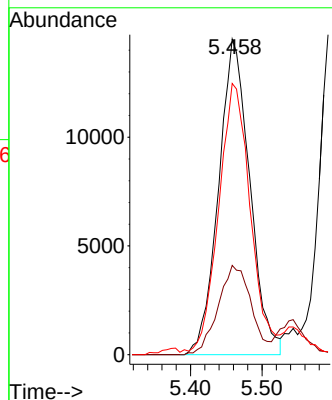
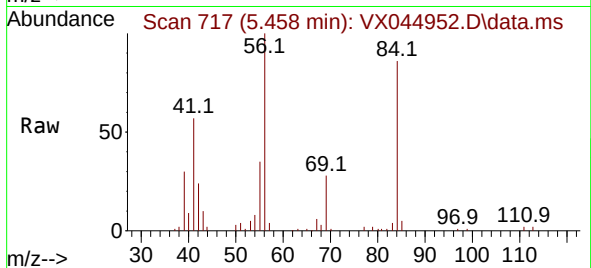




#31
Cyclohexane
Concen: 18.660 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

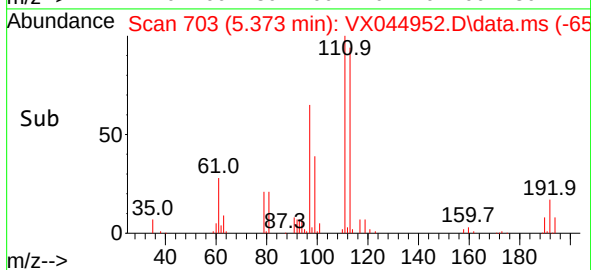
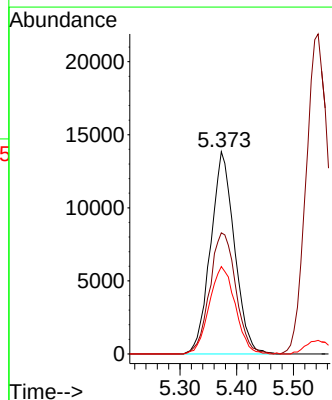
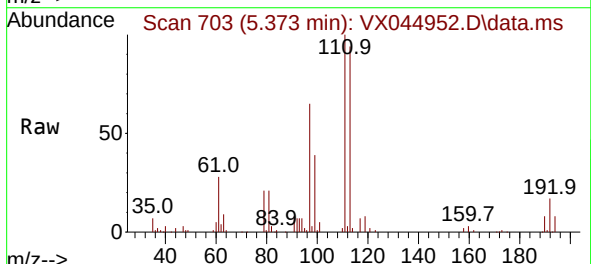
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

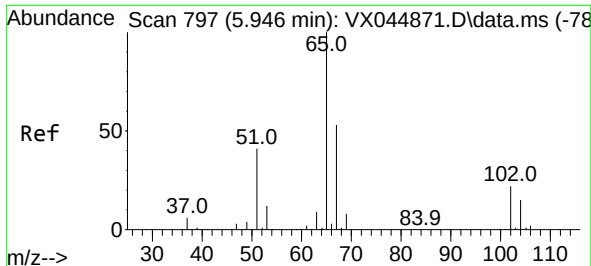
Tgt Ion:	56	Resp:	44062
Ion	Ratio	Lower	Upper
56	100		
69	28.3	24.4	36.6
84	85.1	69.0	103.6



#32
1,1,1-Trichloroethane
Concen: 19.219 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:	97	Resp:	40495
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.6
61	46.9	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 51.105 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

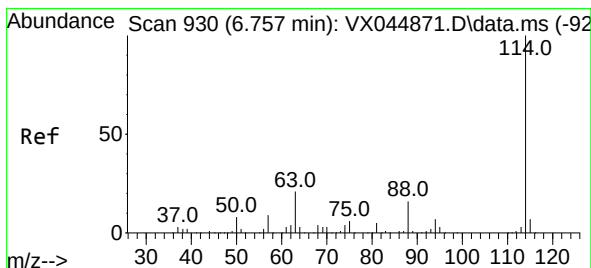
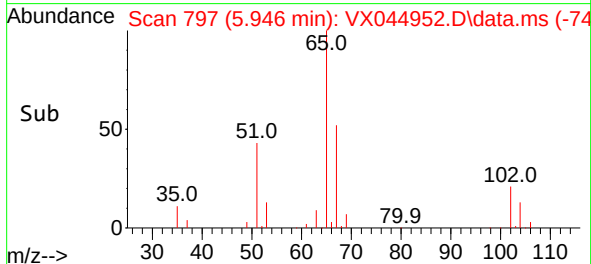
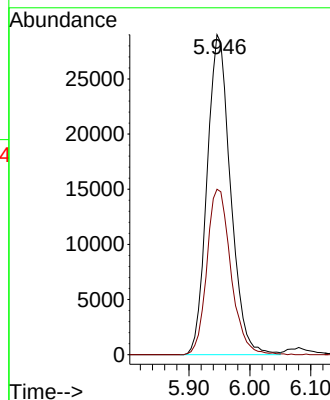
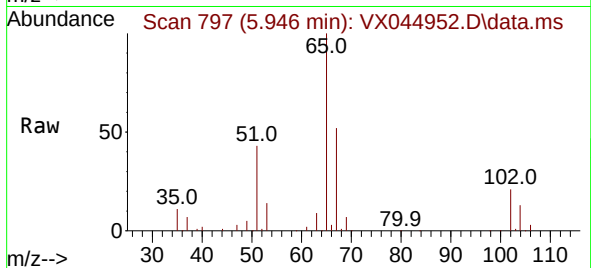
VX0214WBSD01

Tgt Ion: 65 Resp: 77707

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

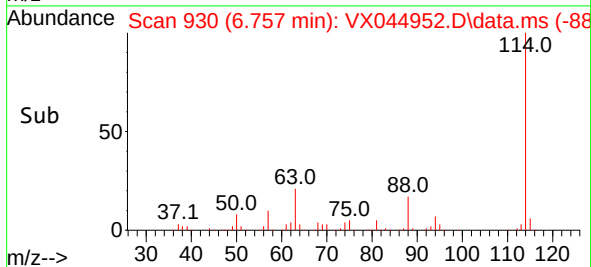
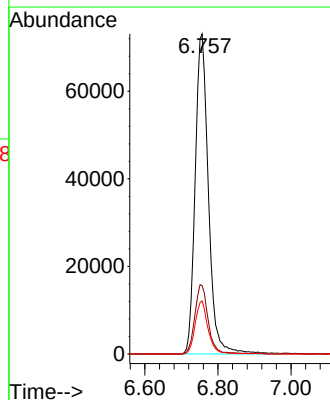
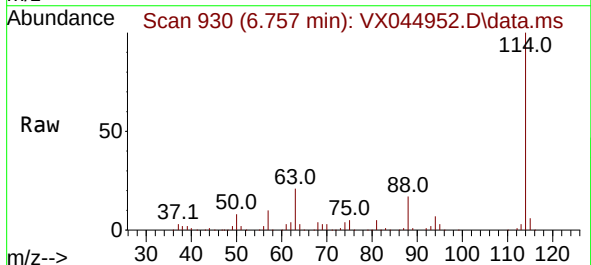
Tgt Ion: 114 Resp: 184991

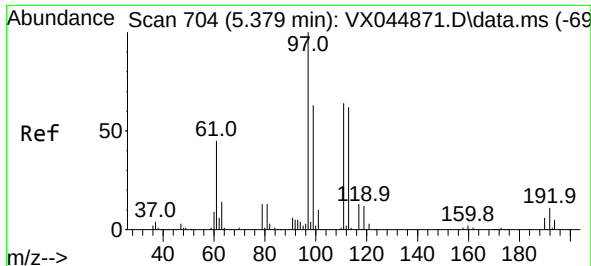
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 16.6 0.0 31.4

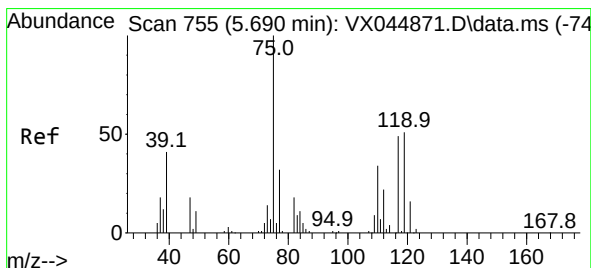
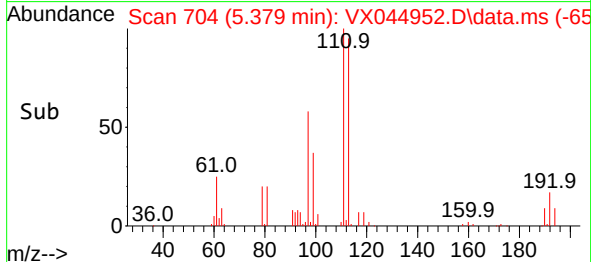
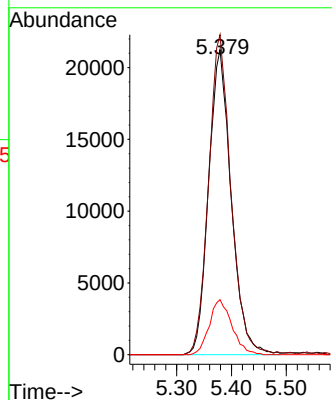
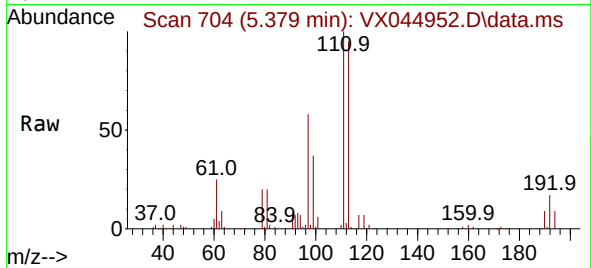




#35
Dibromofluoromethane
Concen: 50.582 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

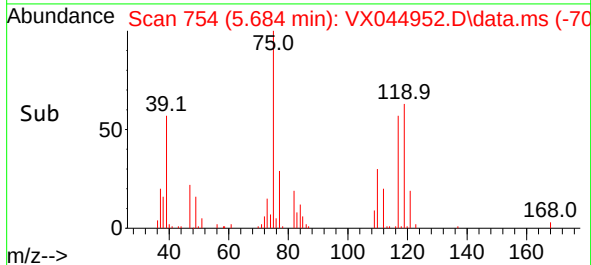
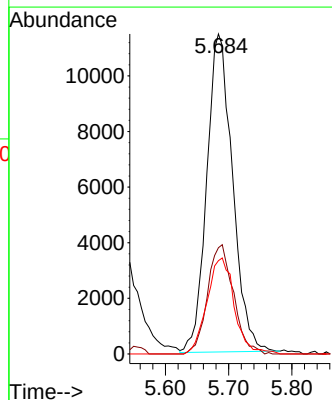
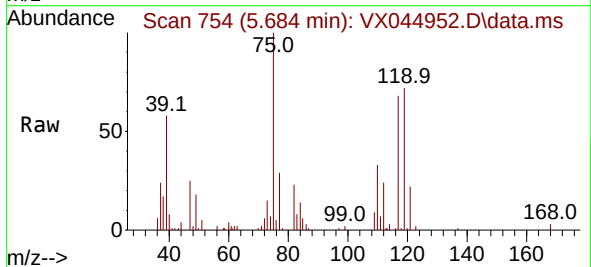
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

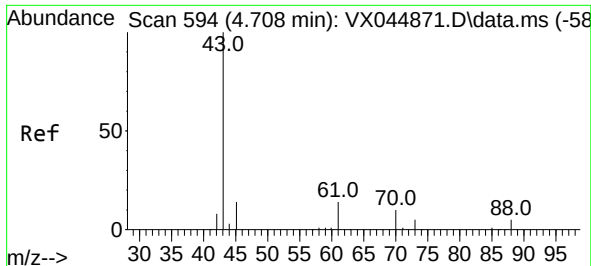
Tgt Ion:113 Resp: 60838
Ion Ratio Lower Upper
113 100
111 103.6 83.5 125.3
192 18.1 14.4 21.6



#36
1,1-Dichloropropene
Concen: 18.658 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 75 Resp: 32376
Ion Ratio Lower Upper
75 100
110 34.6 17.2 51.6
77 31.9 24.6 37.0





#37

Ethyl Acetate

Concen: 20.830 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

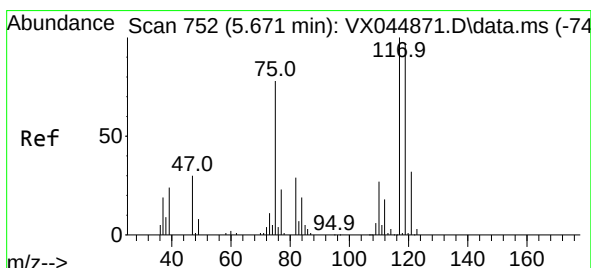
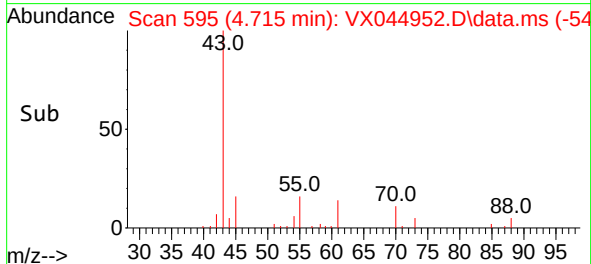
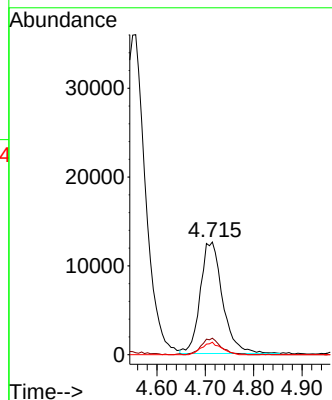
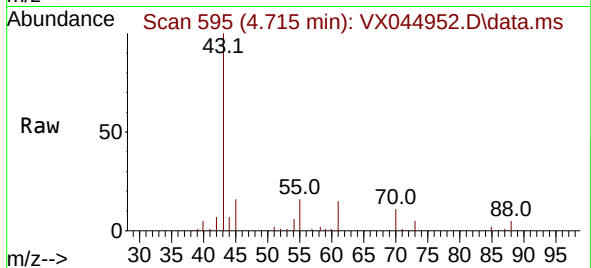
Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

Tgt Ion: 43	Resp: 40204
Ion Ratio	Lower Upper
43	100
61	13.1 11.0 16.4
70	9.7 8.2 12.2



#38

Carbon Tetrachloride

Concen: 19.700 ug/l

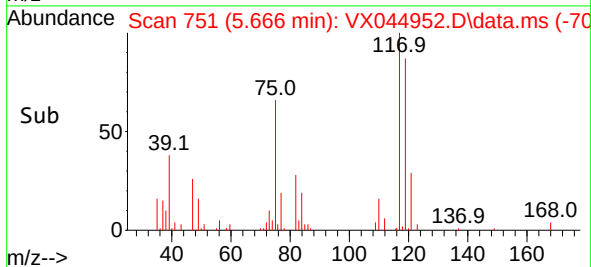
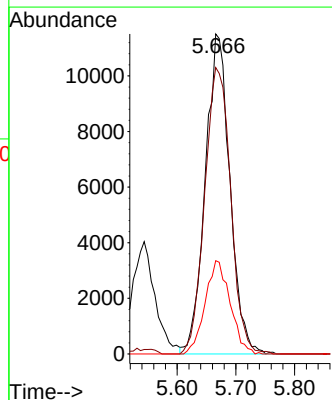
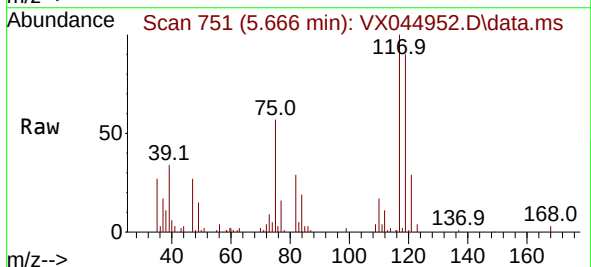
RT: 5.666 min Scan# 751

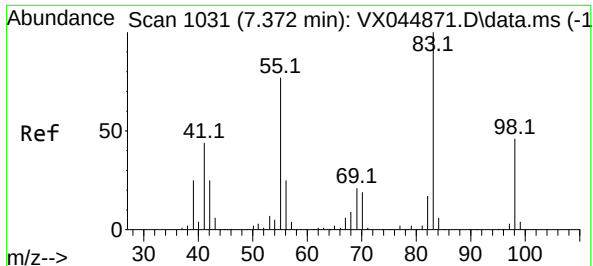
Delta R.T. -0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Tgt Ion: 117	Resp: 33498
Ion Ratio	Lower Upper
117	100
119	89.5 77.5 116.3
121	29.2 25.6 38.4





#39

Methylcyclohexane

Concen: 19.671 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

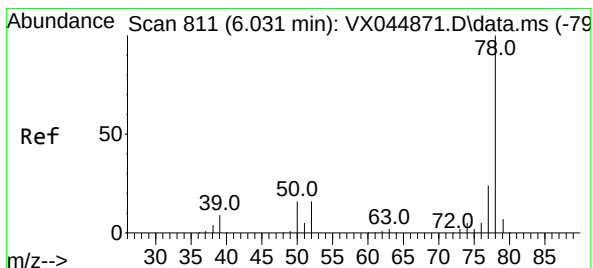
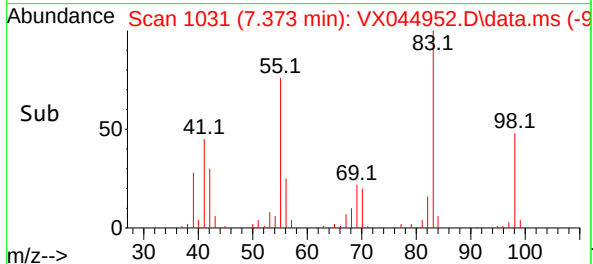
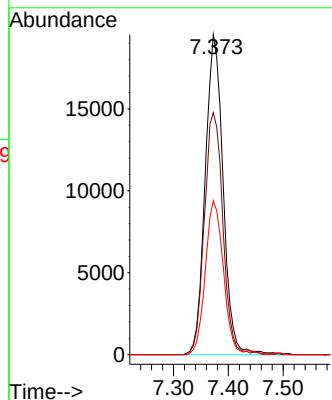
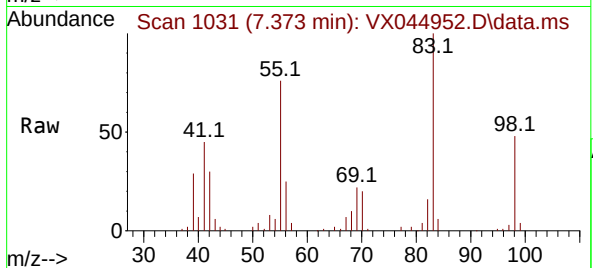
Tgt Ion: 83 Resp: 44129

Ion Ratio Lower Upper

83 100

55 75.7 61.3 91.9

98 48.1 37.0 55.6



#40

Benzene

Concen: 19.567 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044952.D

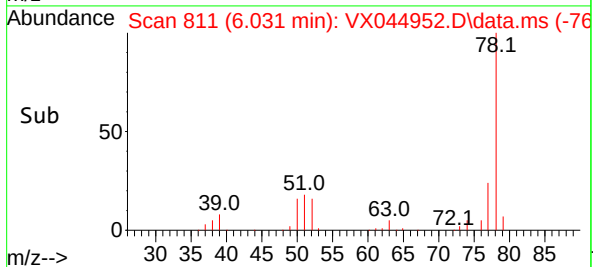
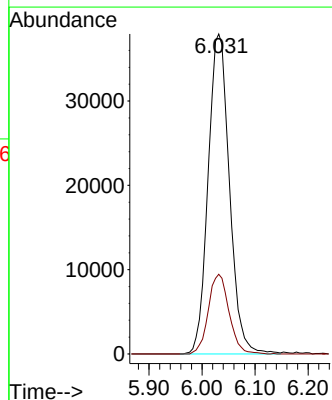
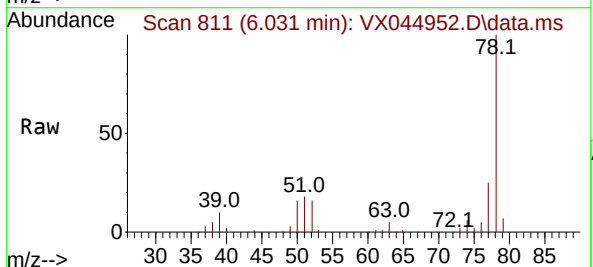
Acq: 14 Feb 2025 11:40

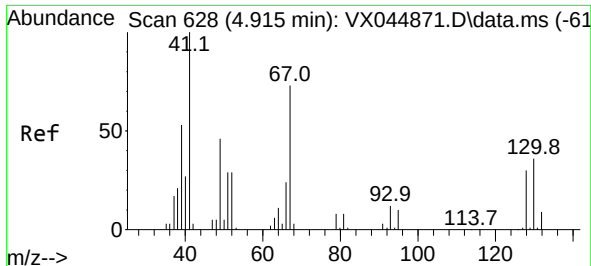
Tgt Ion: 78 Resp: 106024

Ion Ratio Lower Upper

78 100

77 24.9 19.0 28.6

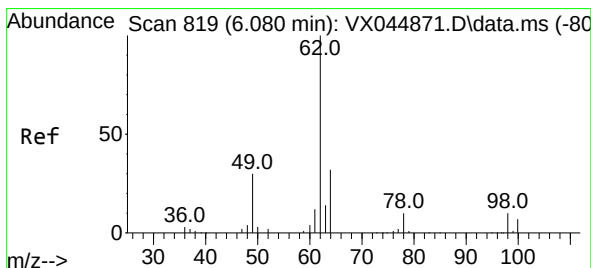
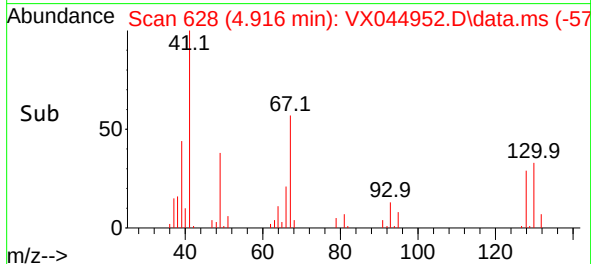
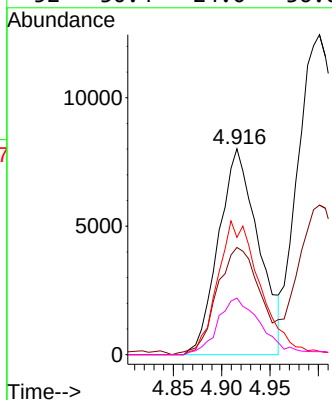
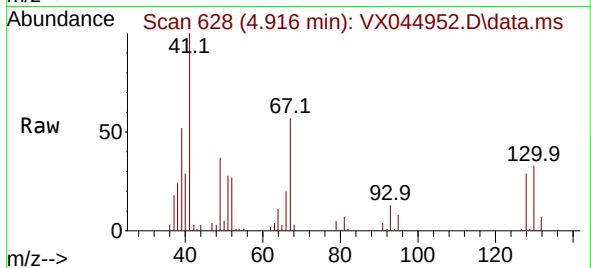




#41
Methacrylonitrile
Concen: 22.298 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

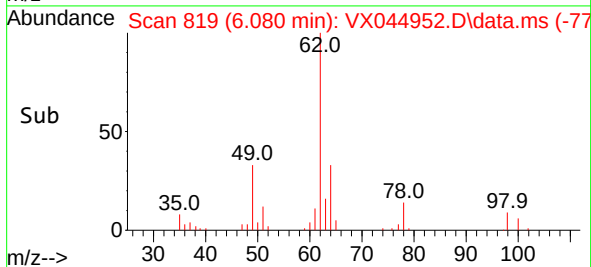
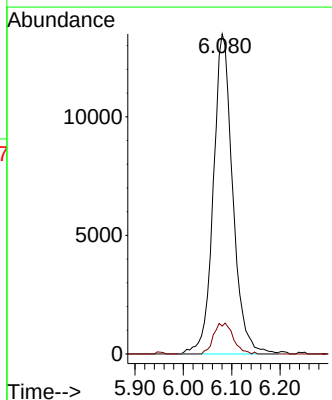
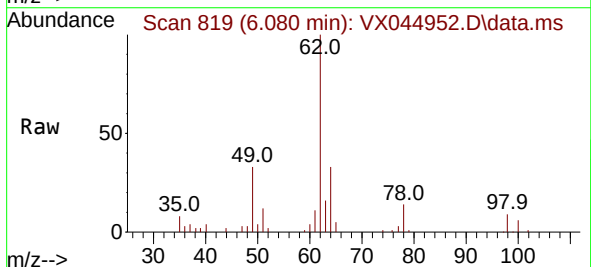
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

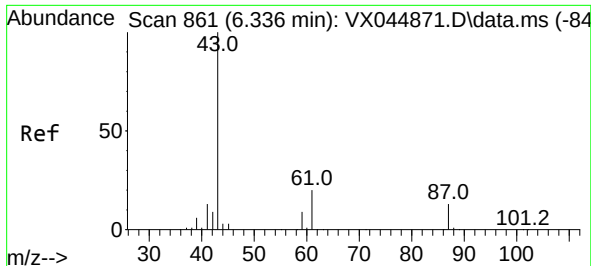
Tgt Ion:	41	Resp:	23036
Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.1	64.7
67	69.6	57.0	85.6
52	30.4	24.0	36.0



#42
1,2-Dichloroethane
Concen: 21.803 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:	62	Resp:	37652
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

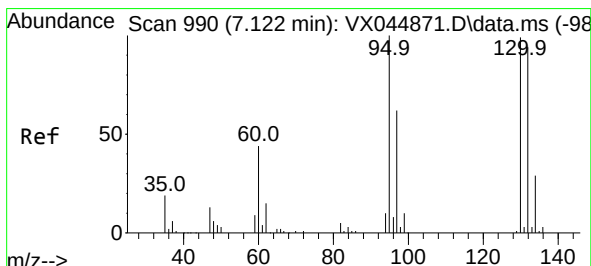
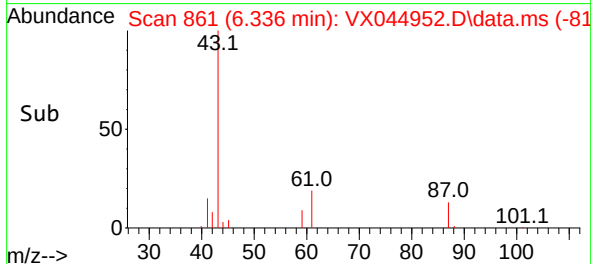
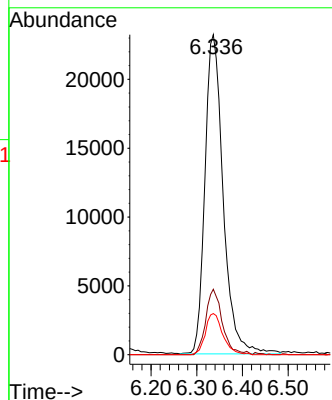
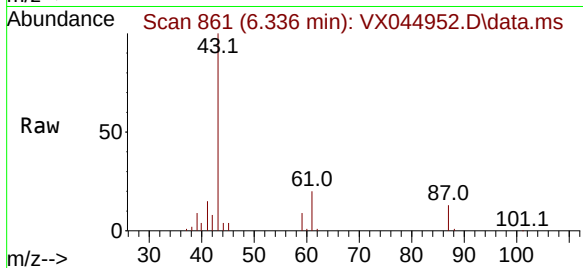




#43
Isopropyl Acetate
Concen: 20.648 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

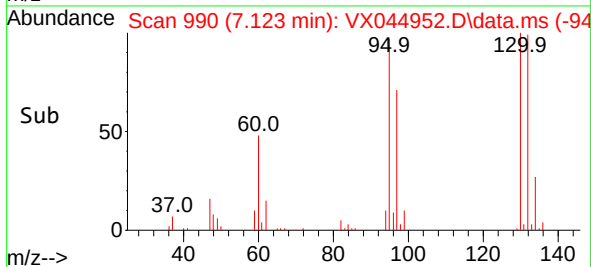
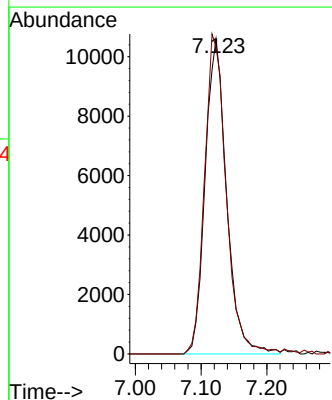
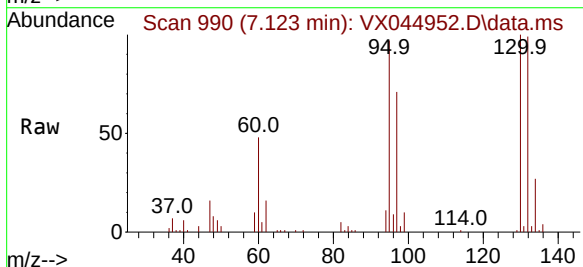
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

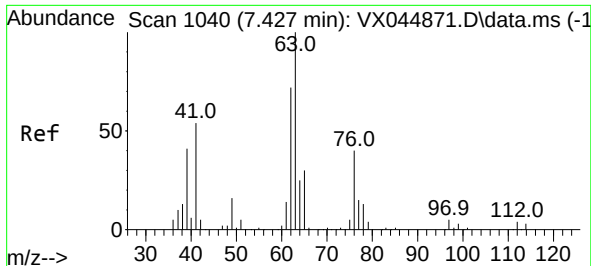
Tgt Ion:	43	Resp:	64357
Ion Ratio	Lower	Upper	
43	100		
61	18.6	15.8	23.8
87	12.3	10.0	15.0



#44
Trichloroethene
Concen: 19.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:	130	Resp:	24052
Ion Ratio	Lower	Upper	
130	100		
95	97.4	0.0	202.4





#45

1,2-Dichloropropane

Concen: 19.518 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

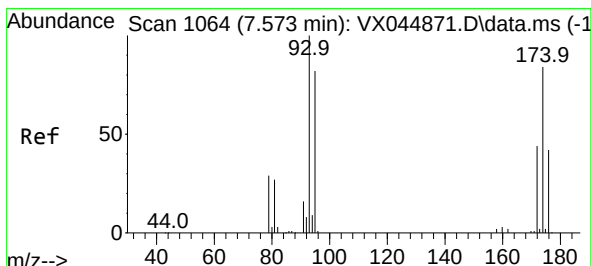
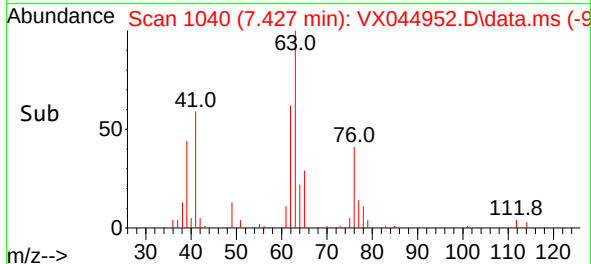
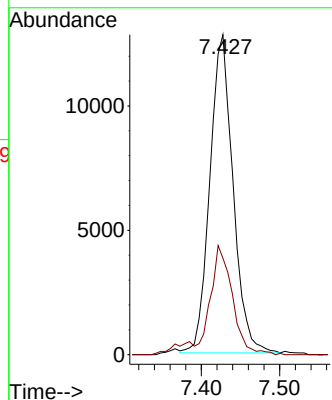
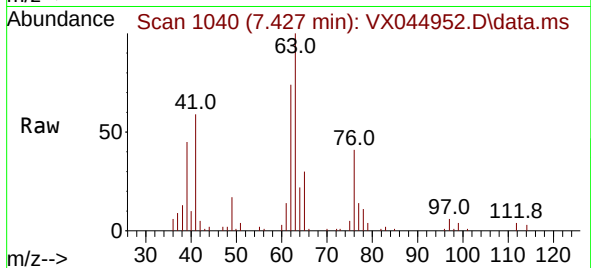
VX0214WBSD01

Tgt Ion: 63 Resp: 26311

Ion Ratio Lower Upper

63 100

65 29.9 24.2 36.4



#46

Dibromomethane

Concen: 20.875 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

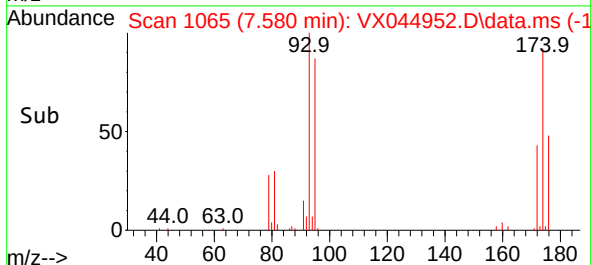
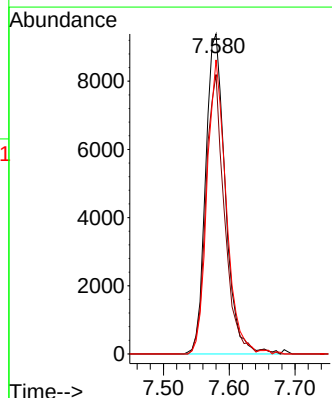
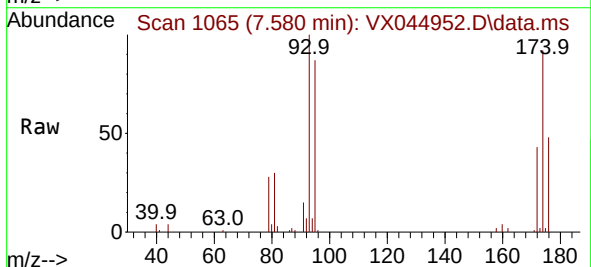
Tgt Ion: 93 Resp: 19515

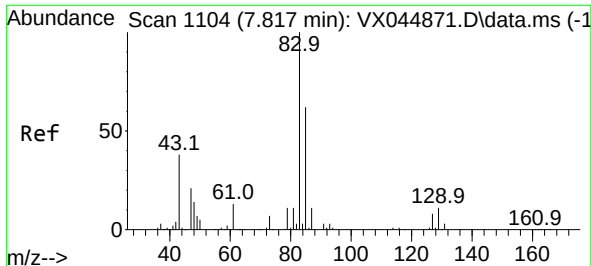
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 90.0 69.9 104.9

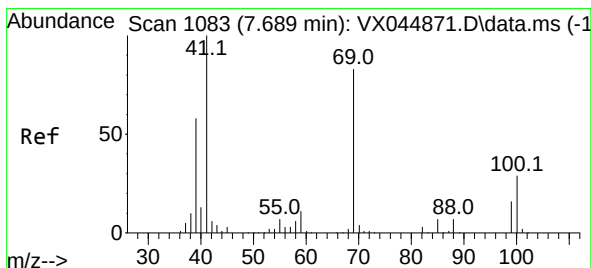
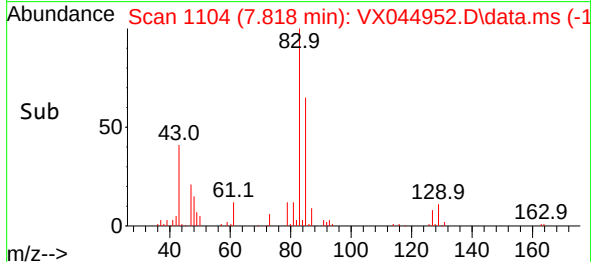
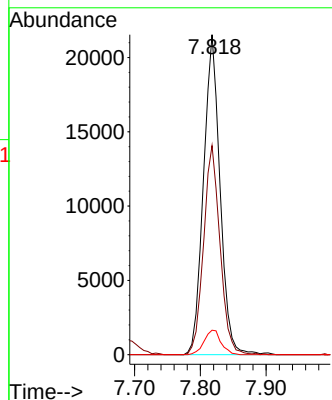
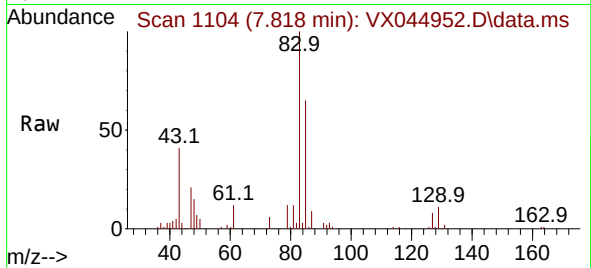




#47
Bromodichloromethane
Concen: 20.853 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

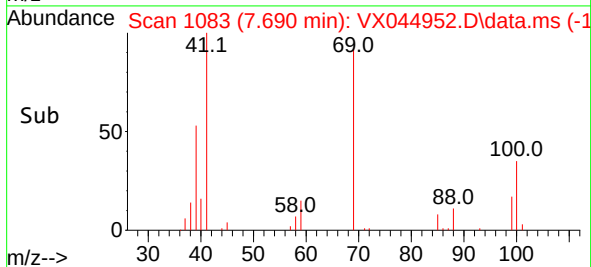
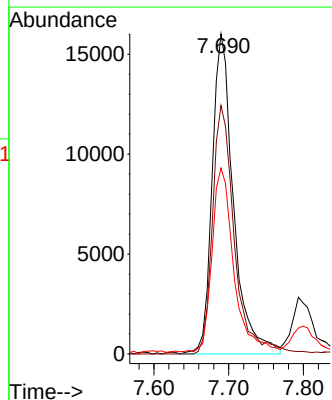
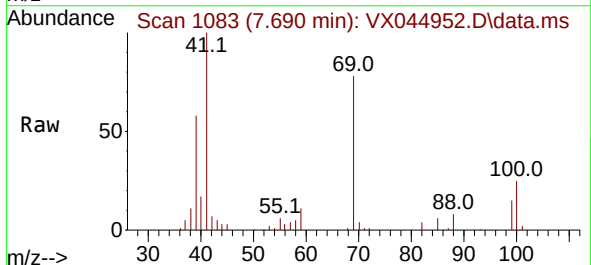
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

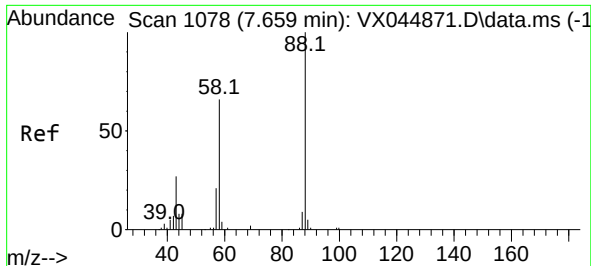
Tgt Ion:	83	Resp:	37748
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.0	75.0
127	7.7	6.4	9.6



#48
Methyl methacrylate
Concen: 21.671 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:	41	Resp:	31848
Ion	Ratio	Lower	Upper
41	100		
69	79.7	65.8	98.8
39	60.1	46.4	69.6





#49

1,4-Dioxane

Concen: 443.448 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

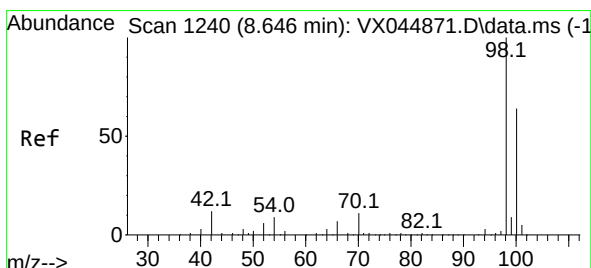
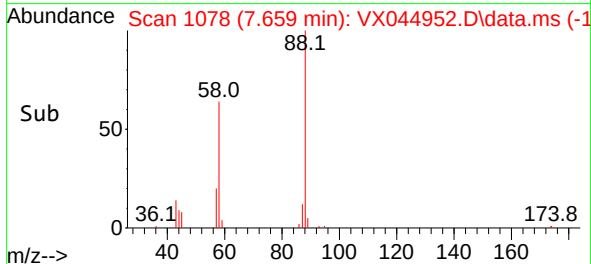
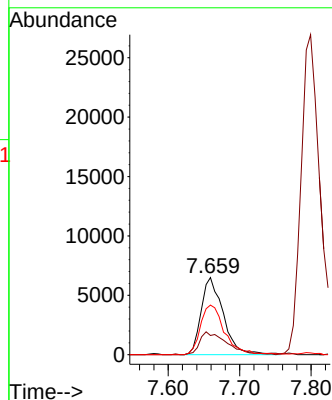
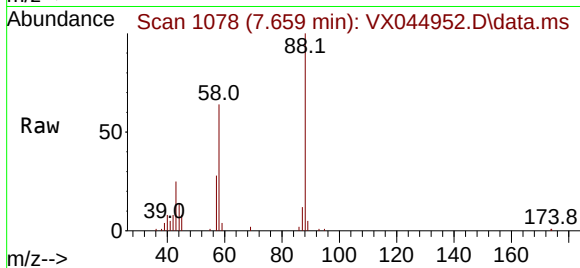
Tgt Ion: 88 Resp: 13982

Ion Ratio Lower Upper

88 100

43 35.9 26.6 39.8

58 69.9 55.9 83.9



#50

Toluene-d8

Concen: 49.828 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044952.D

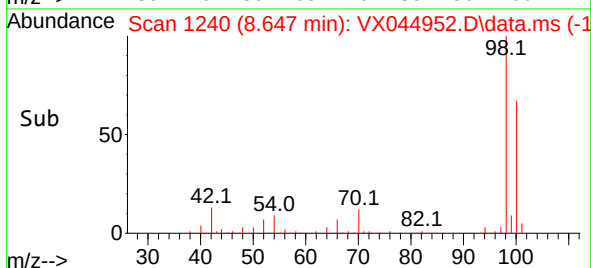
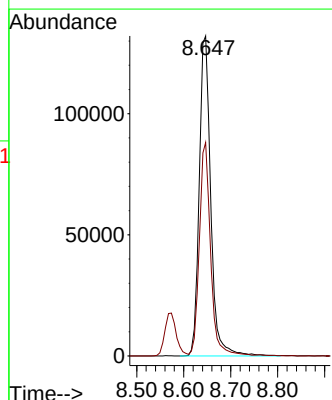
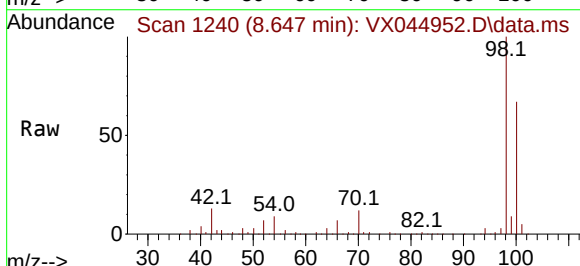
Acq: 14 Feb 2025 11:40

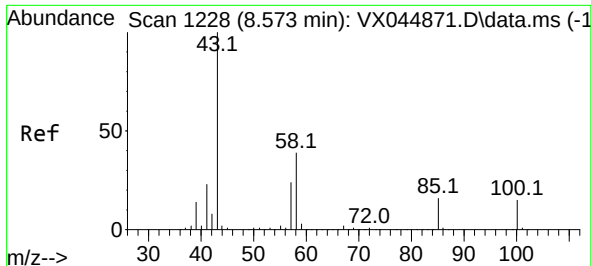
Tgt Ion: 98 Resp: 226624

Ion Ratio Lower Upper

98 100

100 64.2 52.7 79.1

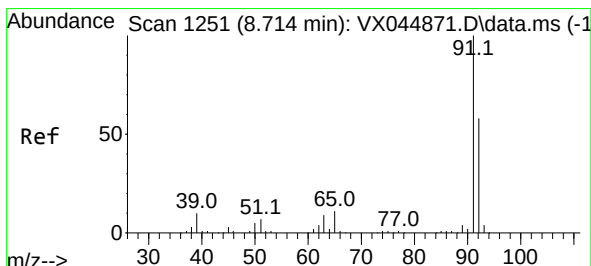
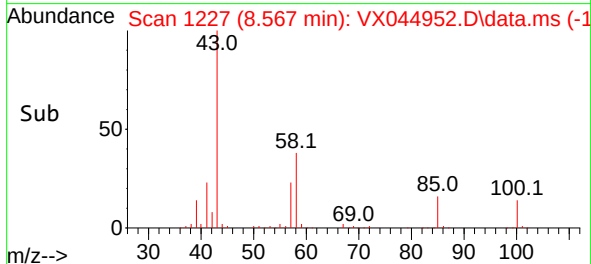
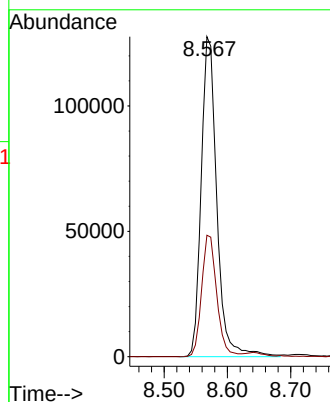
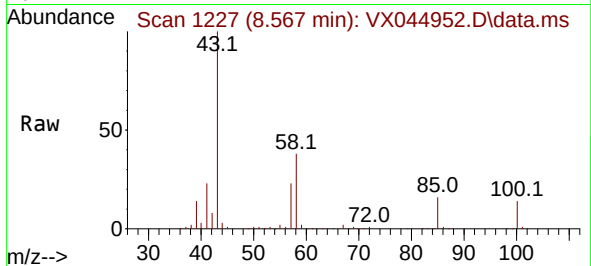




#51
4-Methyl-2-Pentanone
Concen: 115.888 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

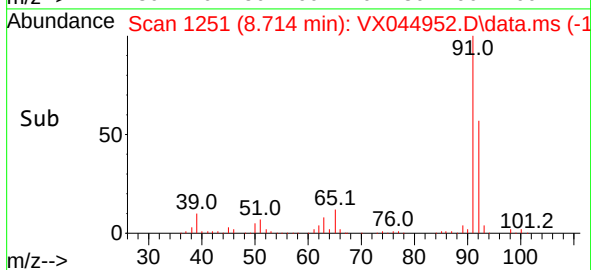
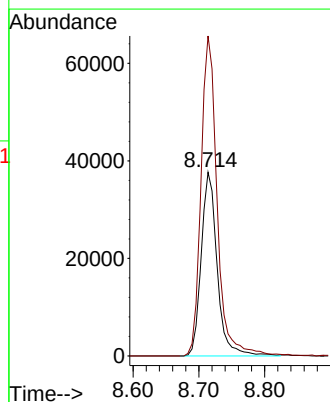
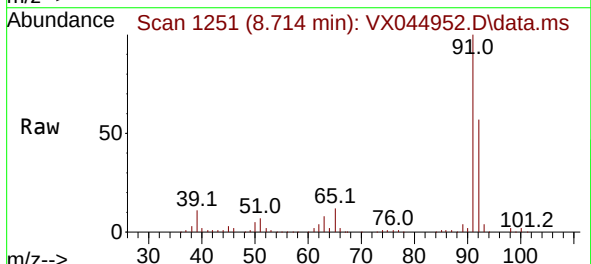
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

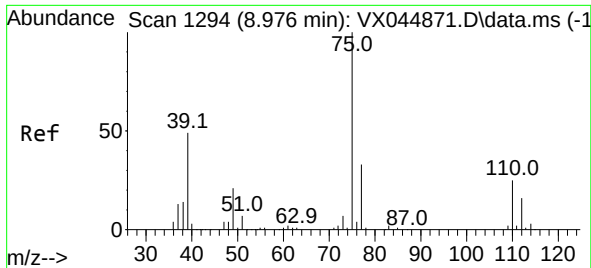
Tgt Ion: 43 Resp: 219588
Ion Ratio Lower Upper
43 100
58 36.9 30.8 46.2



#52
Toluene
Concen: 19.780 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 92 Resp: 63830
Ion Ratio Lower Upper
92 100
91 176.5 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 19.296 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

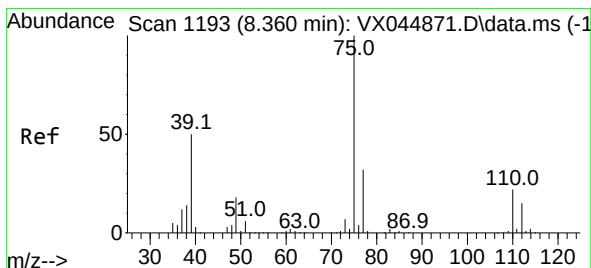
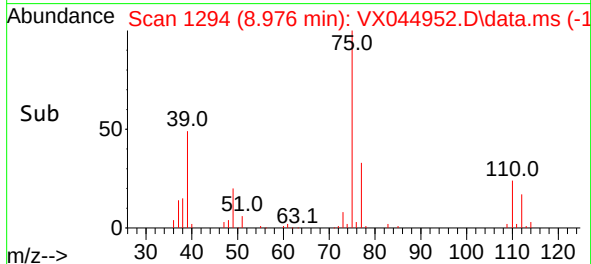
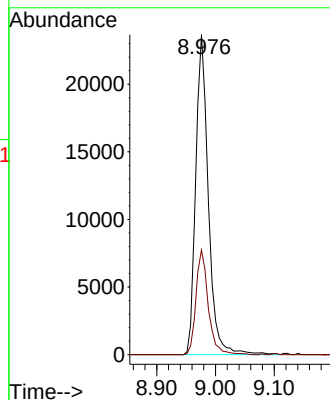
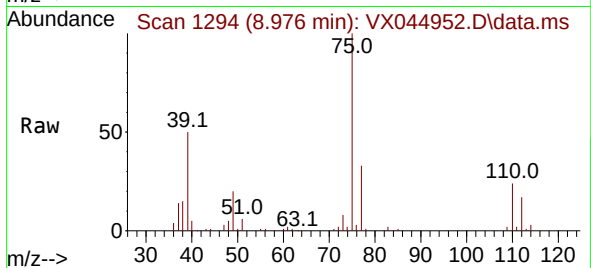
VX0214WBSD01

Tgt Ion: 75 Resp: 35347

Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 19.889 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

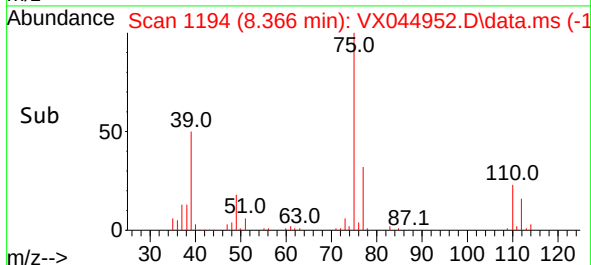
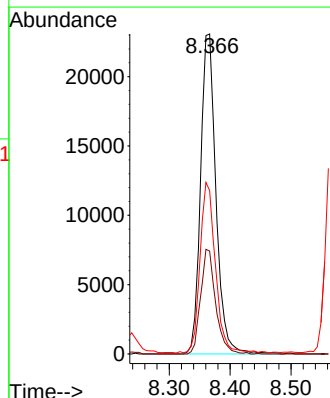
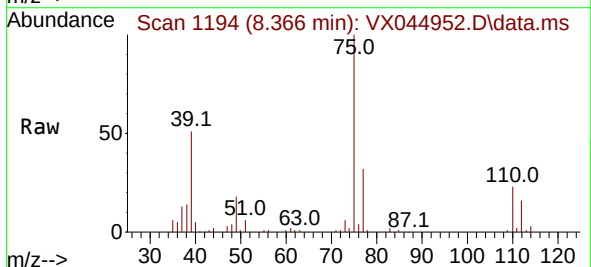
Tgt Ion: 75 Resp: 40620

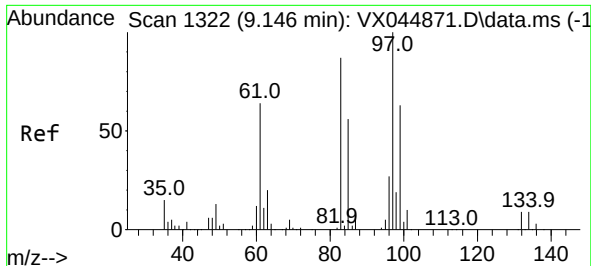
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 50.6 40.0 60.0

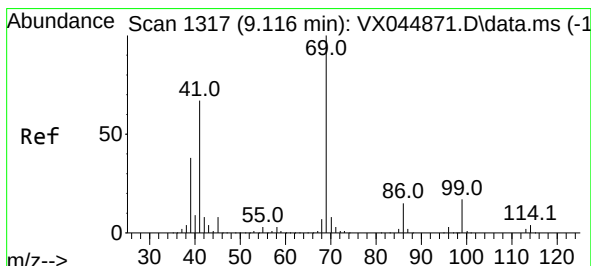
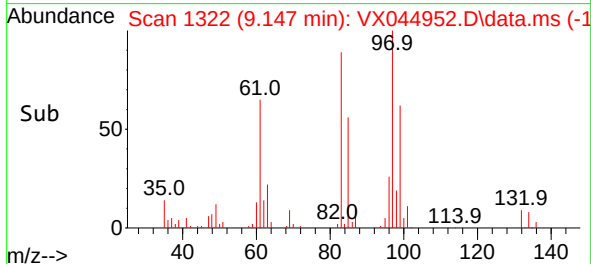
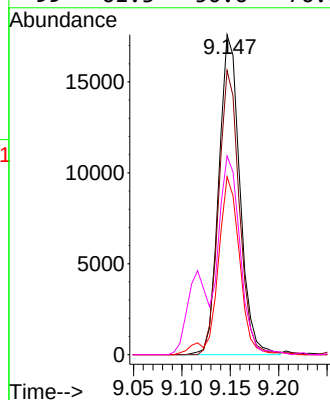
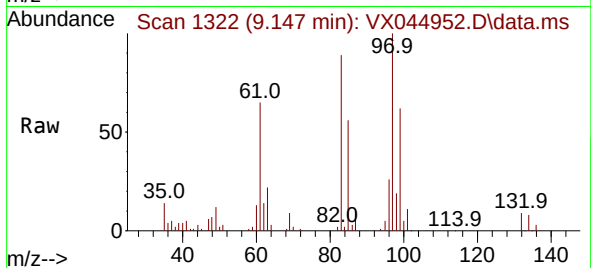




#55
1,1,2-Trichloroethane
Concen: 21.408 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

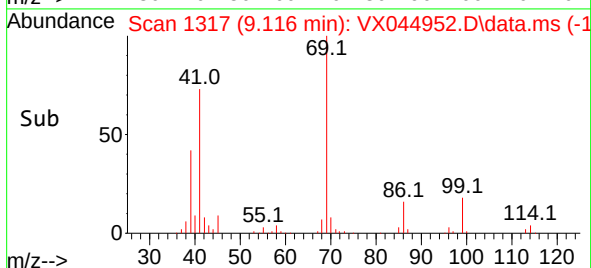
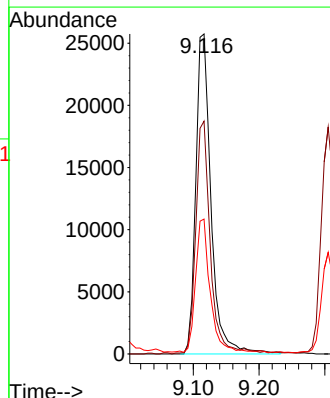
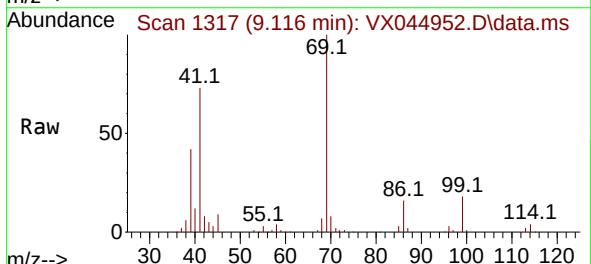
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

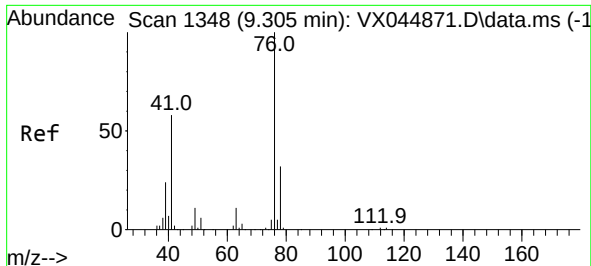
Tgt Ion: 97	Resp: 26556
Ion Ratio	Lower Upper
97 100	
83 88.8	69.8 104.6
85 55.0	44.8 67.2
99 61.3	50.6 76.0



#56
Ethyl methacrylate
Concen: 20.600 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 69	Resp: 41272
Ion Ratio	Lower Upper
69 100	
41 69.9	55.2 82.8
39 38.8	30.8 46.2





#57

1,3-Dichloropropane

Concen: 21.061 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

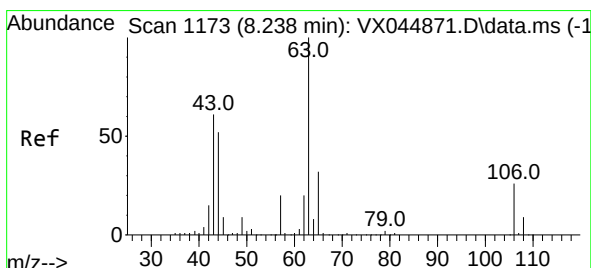
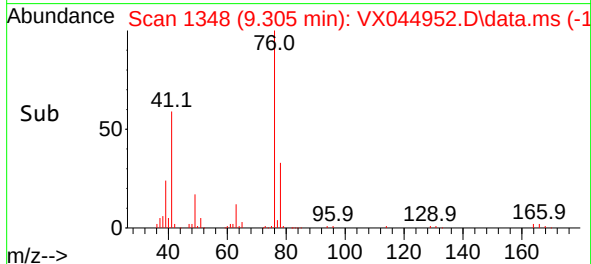
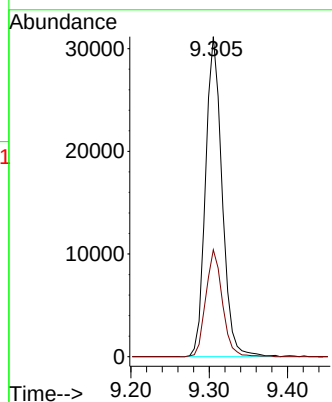
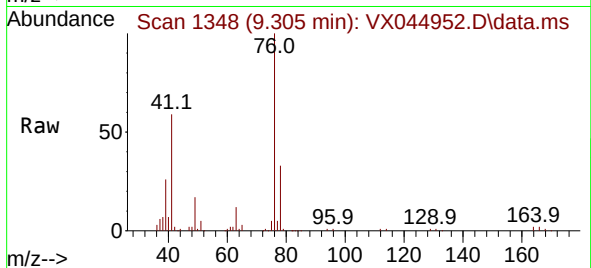
VX0214WBSD01

Tgt Ion: 76 Resp: 45713

Ion Ratio Lower Upper

76 100

78 33.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 101.176 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044952.D

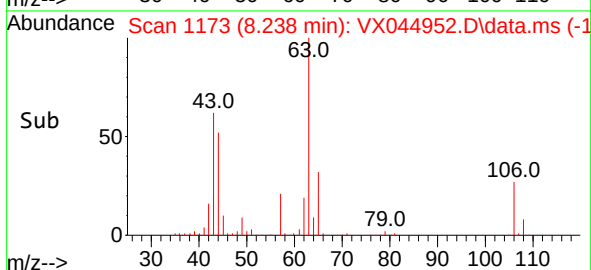
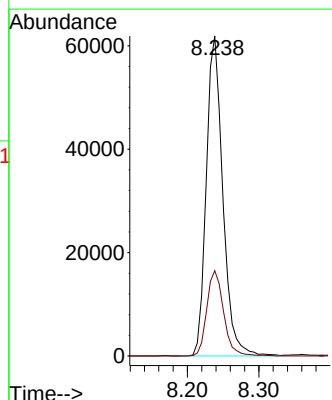
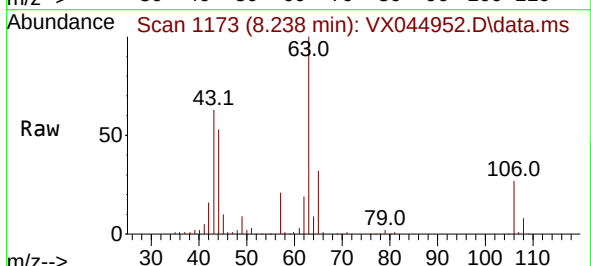
Acq: 14 Feb 2025 11:40

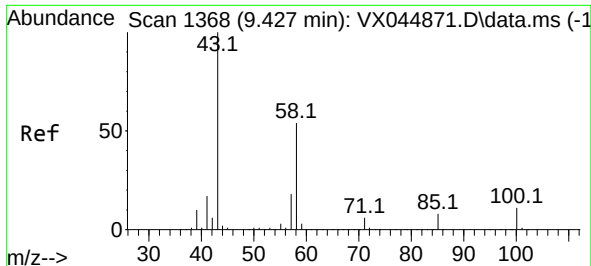
Tgt Ion: 63 Resp: 99532

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 116.671 ug/l

RT: 9.427 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

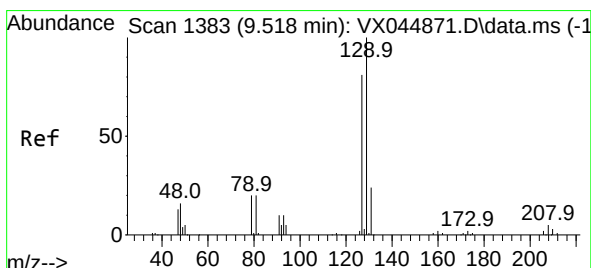
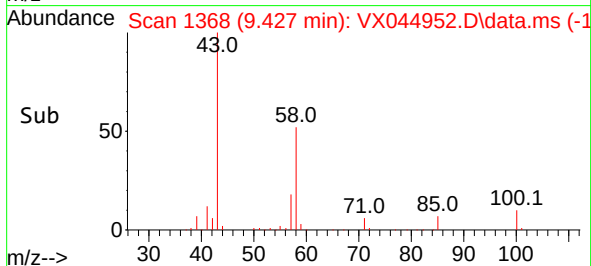
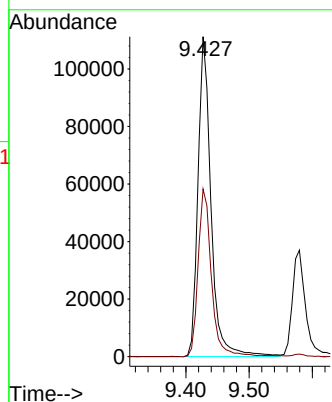
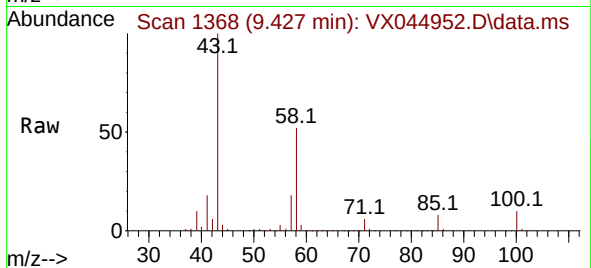
VX0214WBSD01

Tgt Ion: 43 Resp: 159284

Ion Ratio Lower Upper

43 100

58 54.1 27.5 82.4



#60

Dibromochloromethane

Concen: 21.203 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044952.D

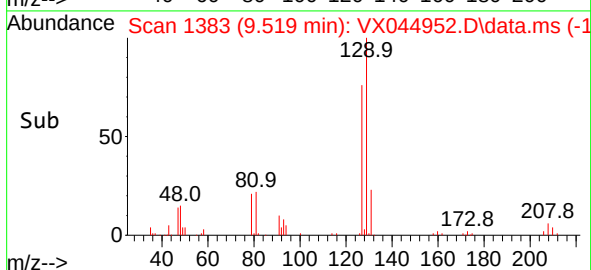
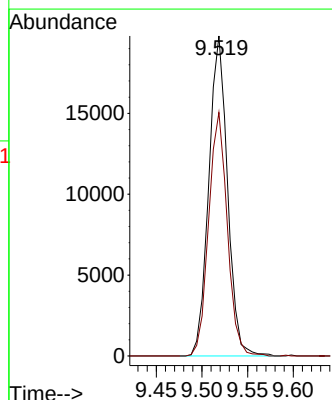
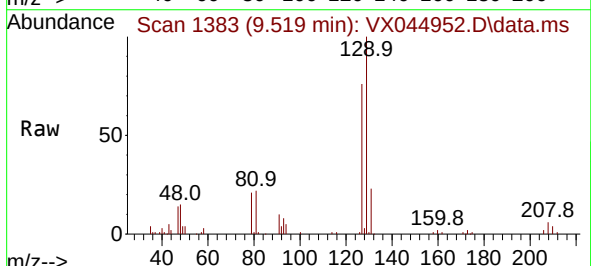
Acq: 14 Feb 2025 11:40

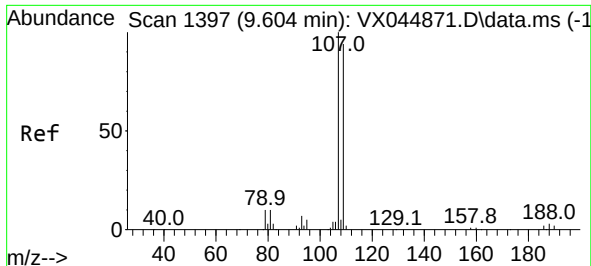
Tgt Ion: 129 Resp: 28129

Ion Ratio Lower Upper

129 100

127 75.6 39.1 117.3

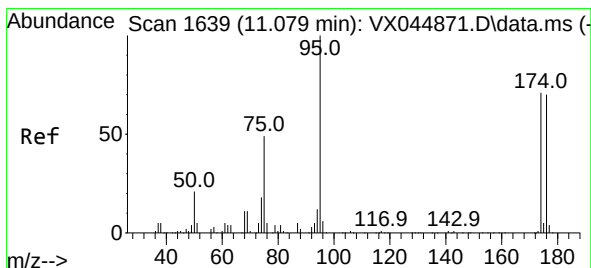
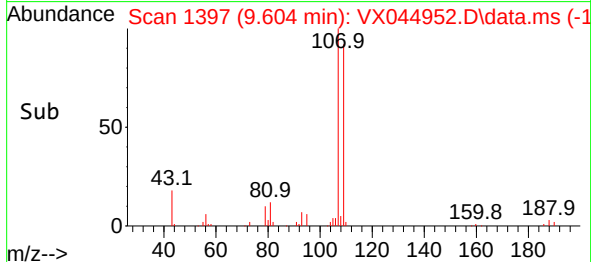
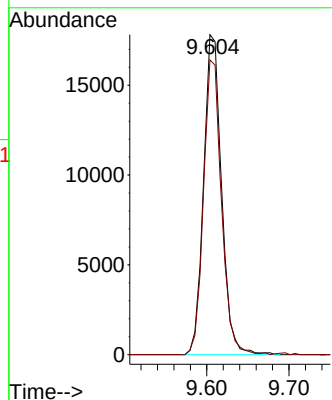
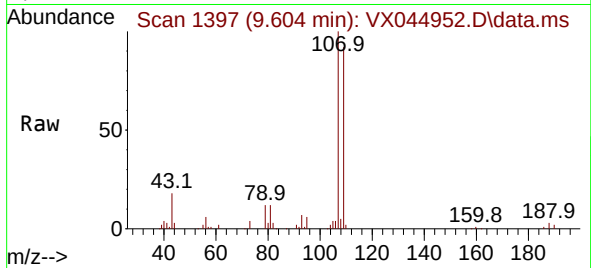




#61
1,2-Dibromoethane
Concen: 21.494 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

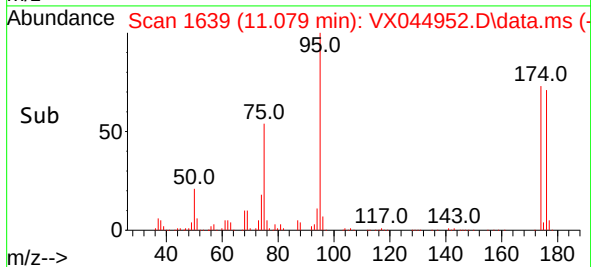
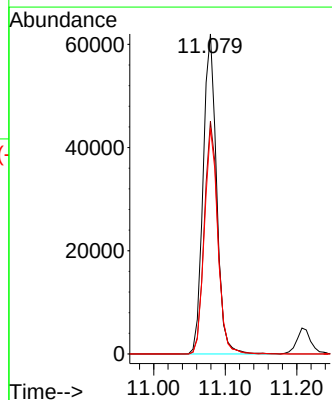
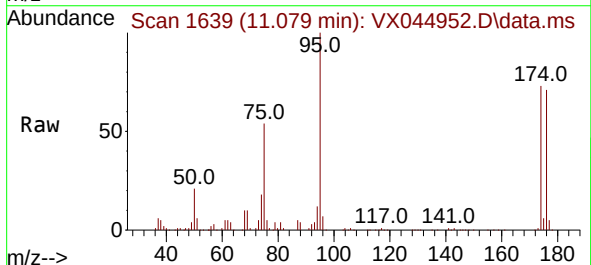
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

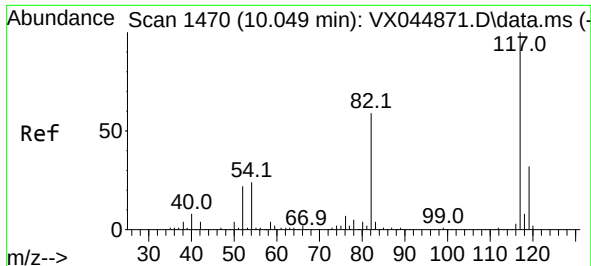
Tgt Ion:107 Resp: 27025
Ion Ratio Lower Upper
107 100
109 92.2 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 52.833 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 95 Resp: 81007
Ion Ratio Lower Upper
95 100
174 73.6 0.0 142.6
176 70.3 0.0 141.6

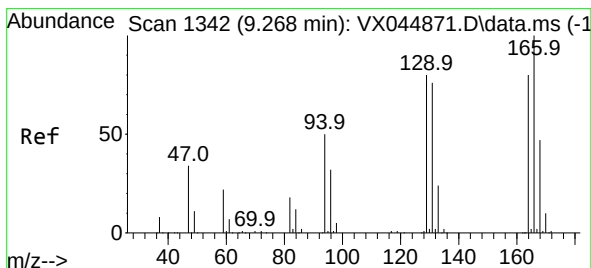
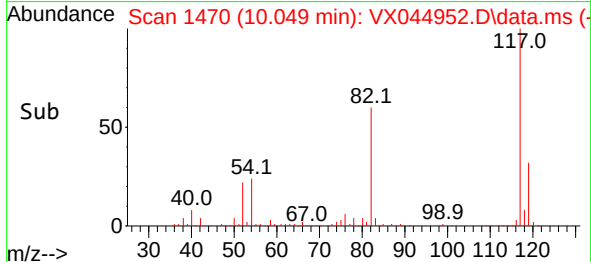
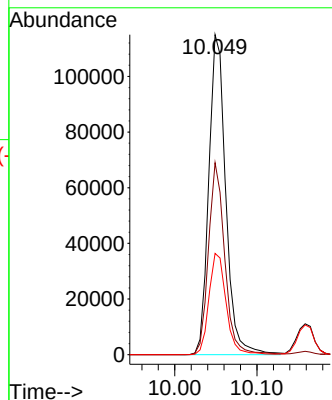
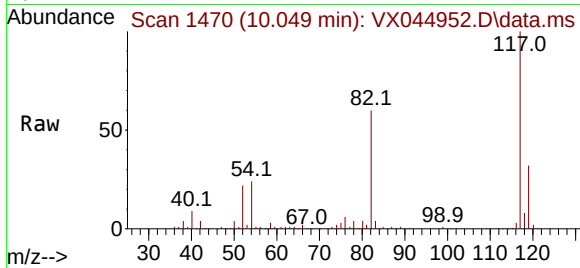




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

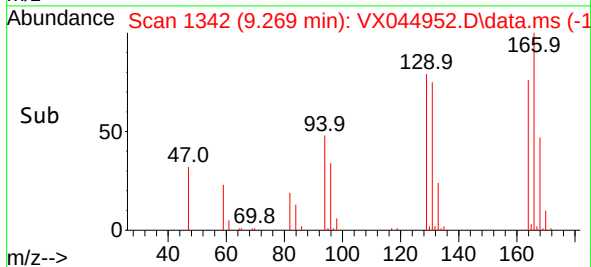
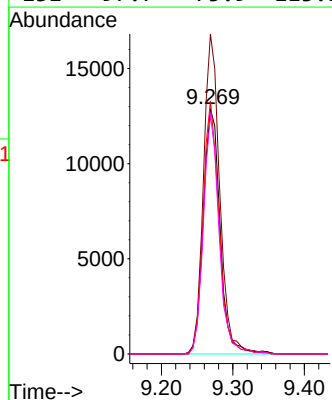
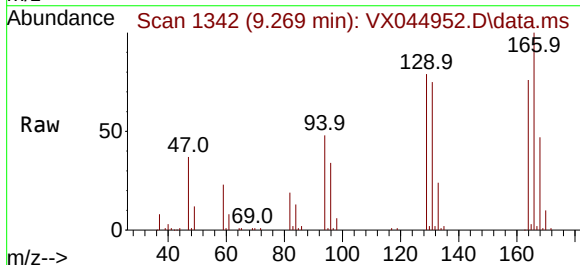
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

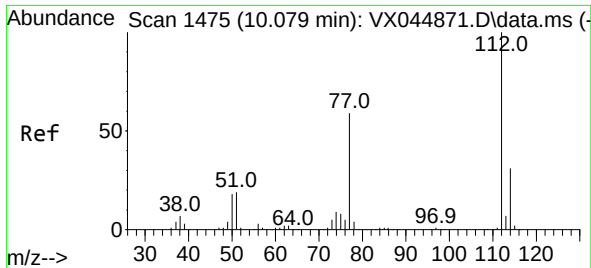
Tgt Ion:	117	Resp:	164889
Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.5	71.3
119	31.6	25.4	38.0



#64
Tetrachloroethene
Concen: 20.294 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:	164	Resp:	21103
Ion	Ratio	Lower	Upper
164	100		
166	130.8	100.4	150.6
129	103.4	79.9	119.9
131	97.7	75.9	113.9

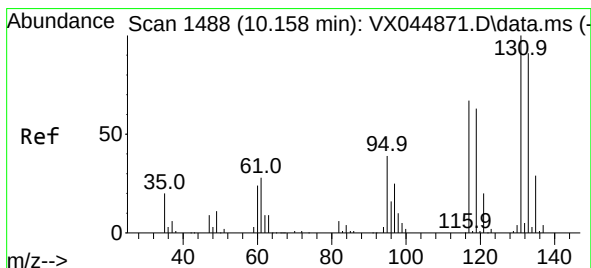
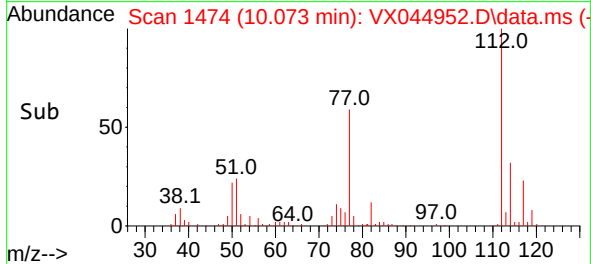
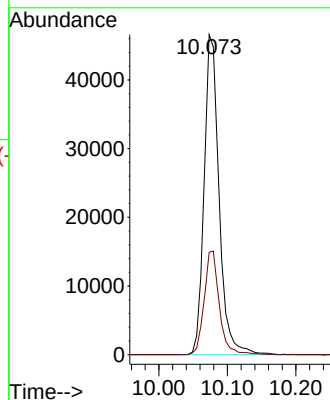
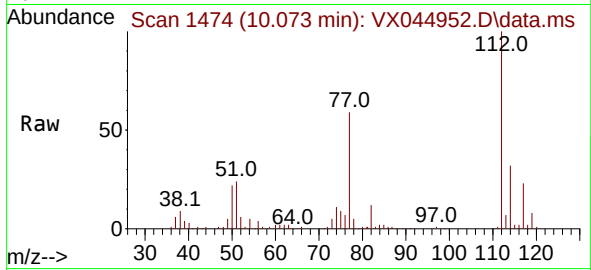




#65
Chlorobenzene
Concen: 20.006 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

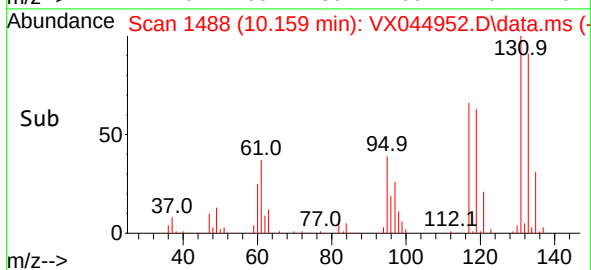
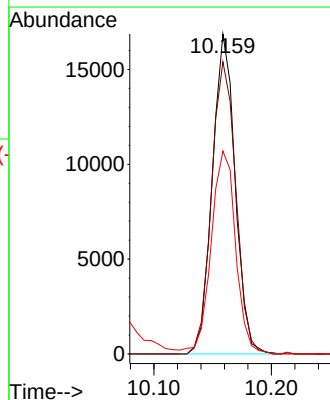
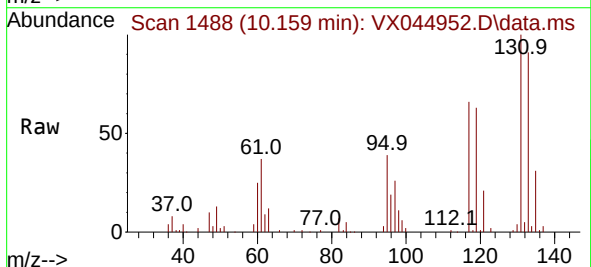
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

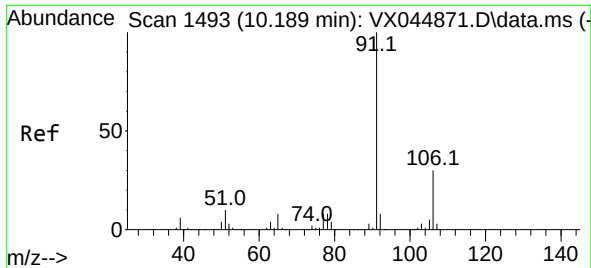
Tgt Ion:112 Resp: 70853
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.951 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:131 Resp: 22743
Ion Ratio Lower Upper
131 100
133 97.0 47.1 141.3
119 67.9 33.6 100.6

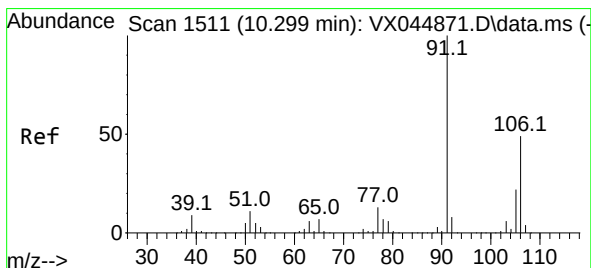
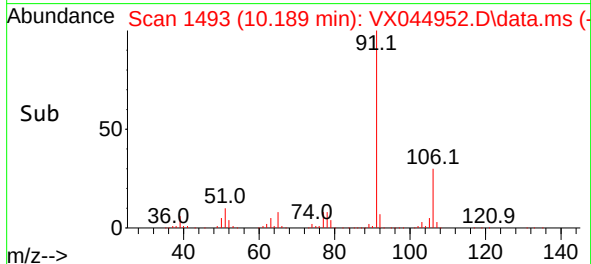
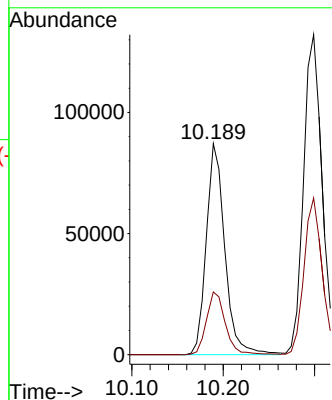
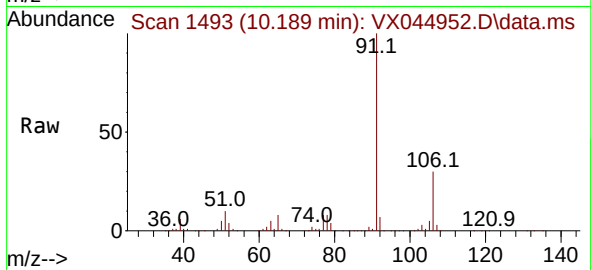




#67
Ethyl Benzene
Concen: 19.631 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

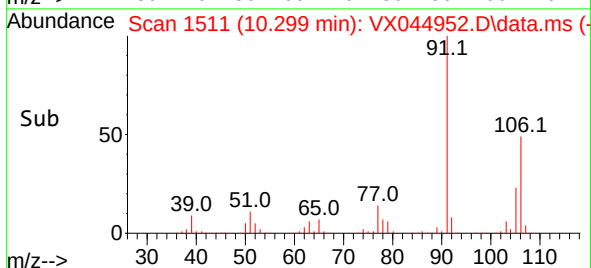
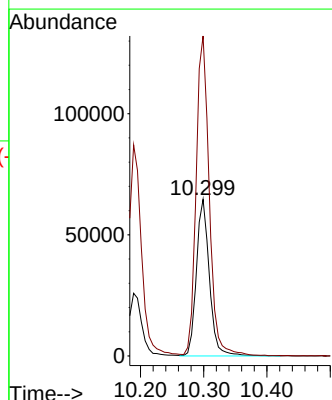
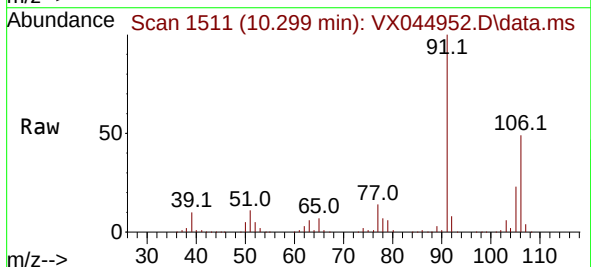
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

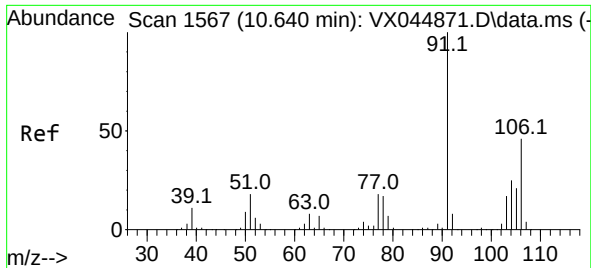
Tgt Ion: 91 Resp: 122687
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9



#68
m/p-Xylenes
Concen: 40.136 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 106 Resp: 92530
Ion Ratio Lower Upper
106 100
91 207.2 164.3 246.5

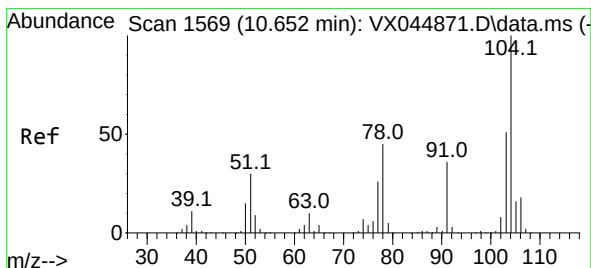
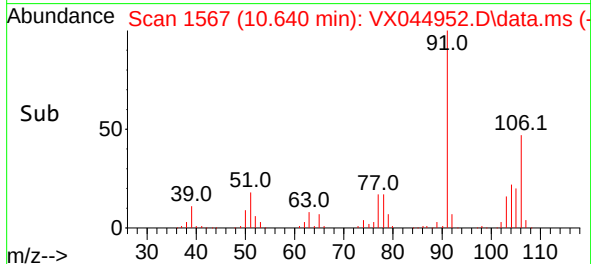
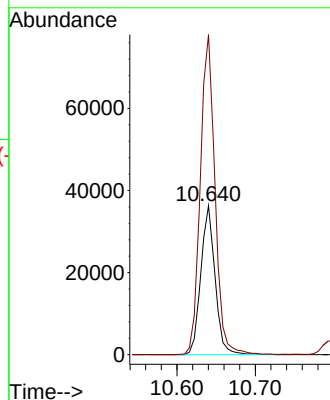
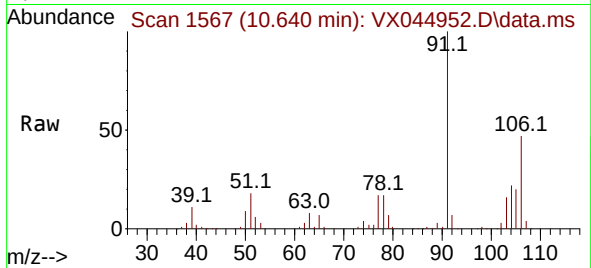




#69
o-Xylene
Concen: 19.838 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

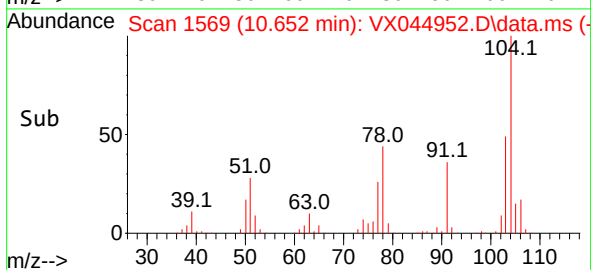
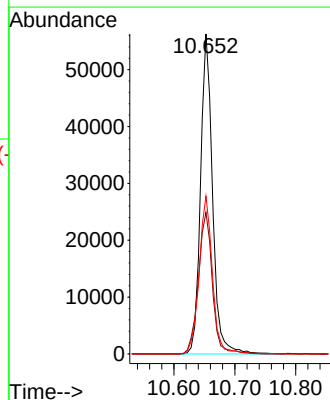
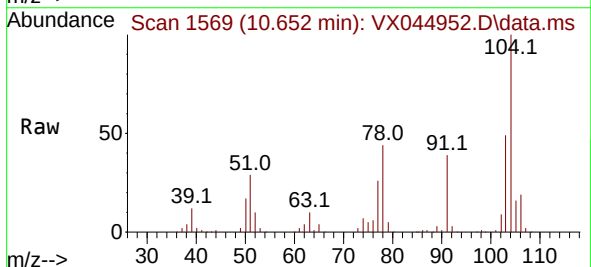
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

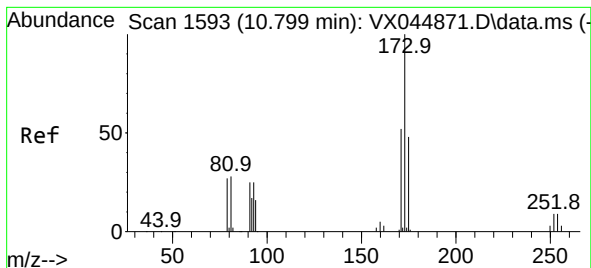
Tgt Ion:106 Resp: 45891
Ion Ratio Lower Upper
106 100
91 221.9 108.5 325.5



#70
Styrene
Concen: 20.741 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:104 Resp: 77302
Ion Ratio Lower Upper
104 100
78 51.2 40.5 60.7
103 54.7 43.6 65.4

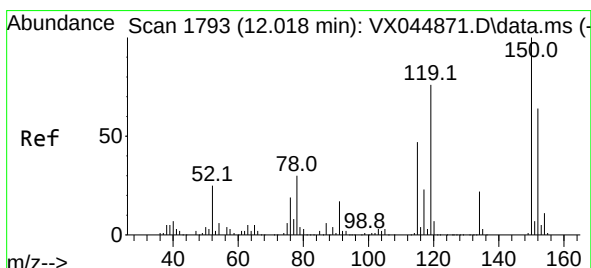
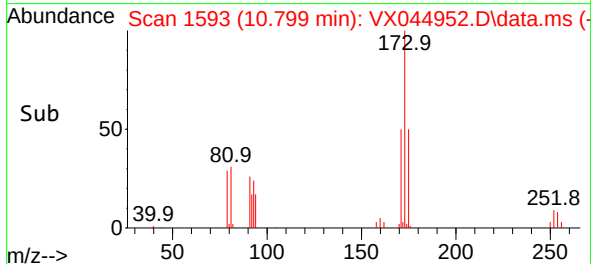
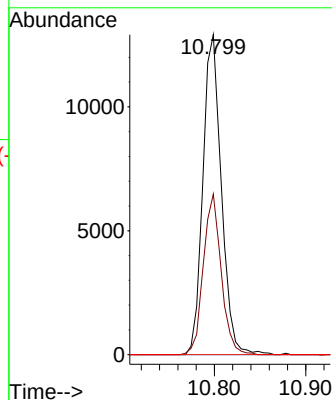
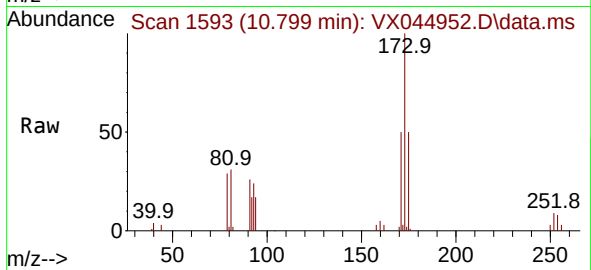




#71
Bromoform
Concen: 21.264 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

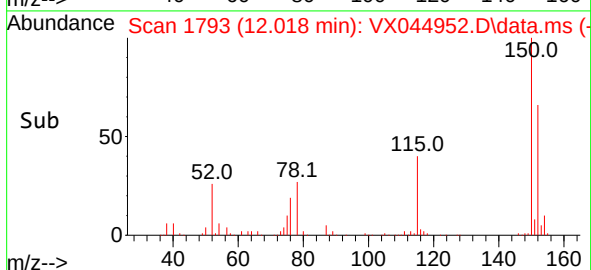
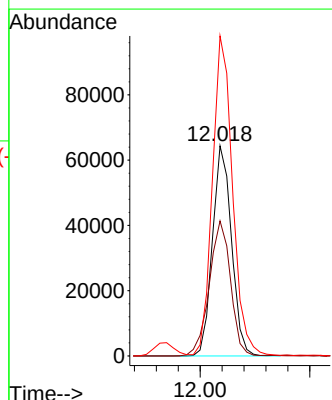
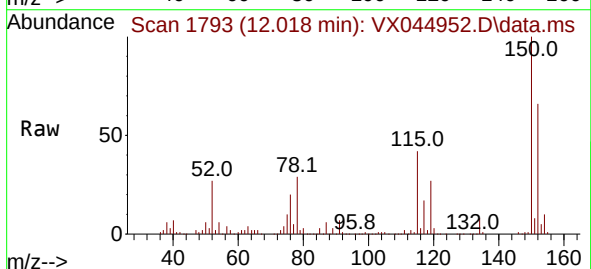
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

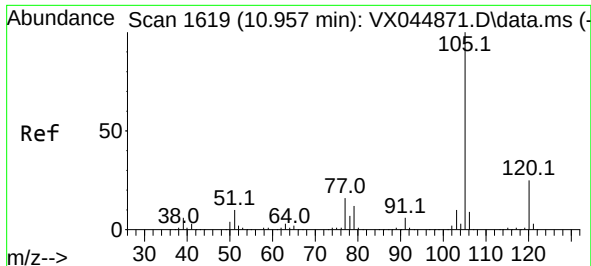
Tgt Ion:173 Resp: 18090
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:152 Resp: 77784
Ion Ratio Lower Upper
152 100
115 71.7 43.4 130.1
150 160.7 0.0 350.4

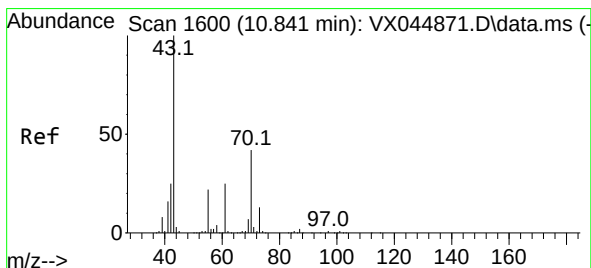
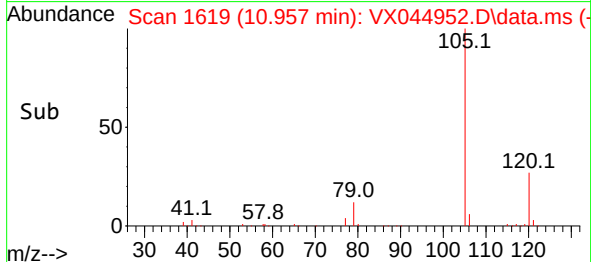
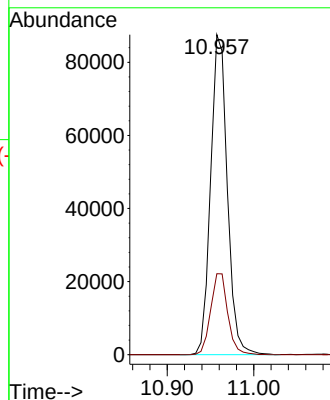
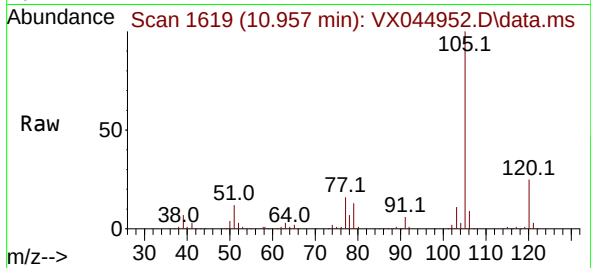




#73
Isopropylbenzene
Concen: 18.691 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

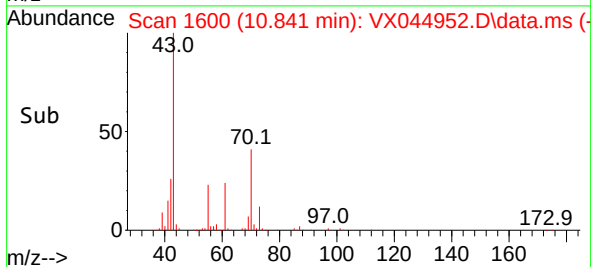
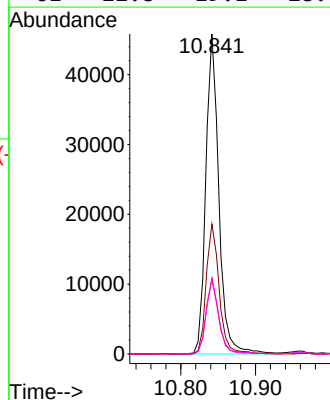
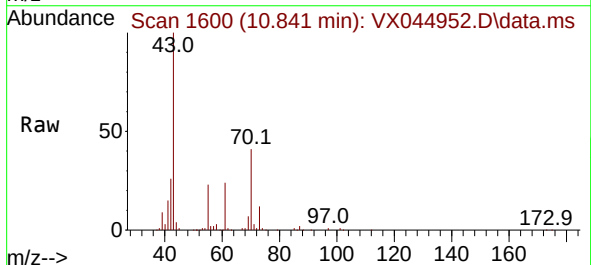
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

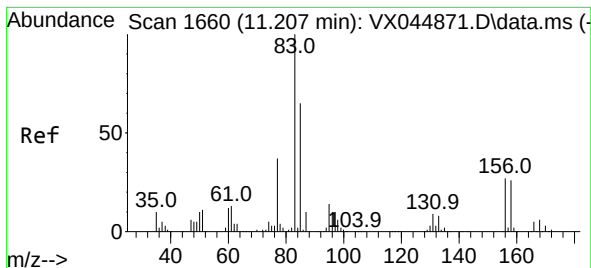
Tgt Ion:105 Resp: 117063
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5



#74
N-ethyl acetate
Concen: 19.604 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 43 Resp: 55559
Ion Ratio Lower Upper
43 100
70 40.6 33.7 50.5
55 22.9 18.6 27.8
61 22.8 19.1 28.7

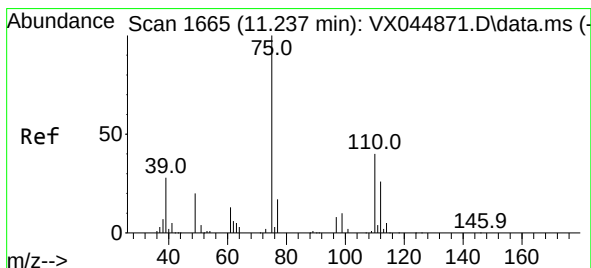
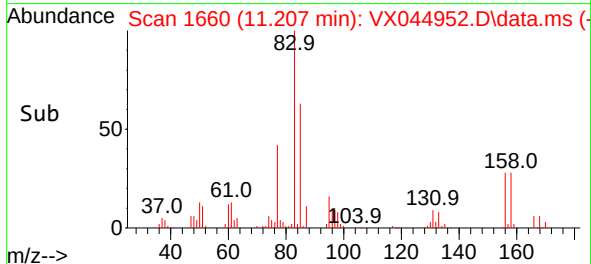
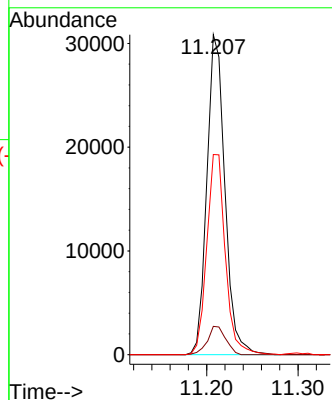
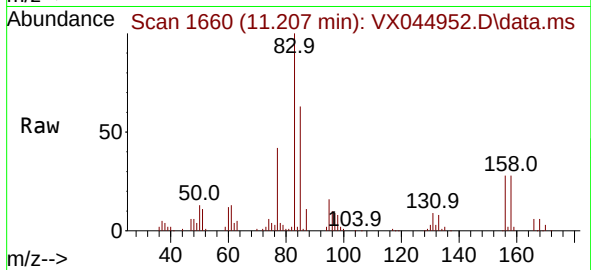




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.576 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044952.D
 Acq: 14 Feb 2025 11:40

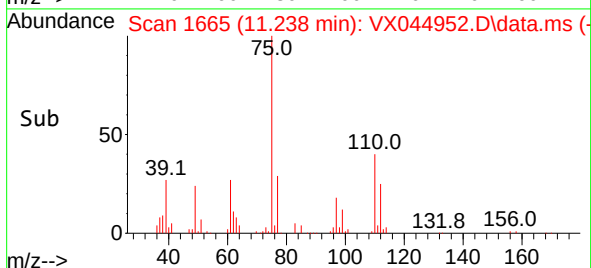
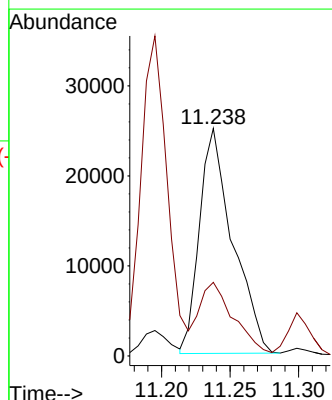
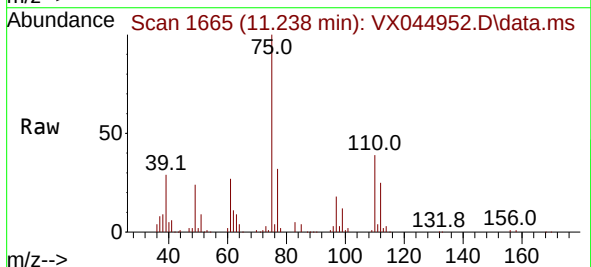
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

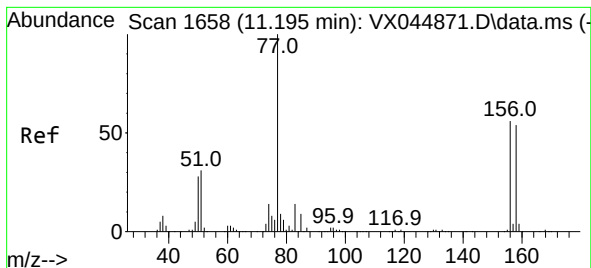
Tgt Ion: 83 Resp: 42130
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.5
 85 64.4 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 24.506 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044952.D
 Acq: 14 Feb 2025 11:40

Tgt Ion: 75 Resp: 42262
 Ion Ratio Lower Upper
 75 100
 77 34.1 21.9 65.7





#77

Bromobenzene

Concen: 19.251 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

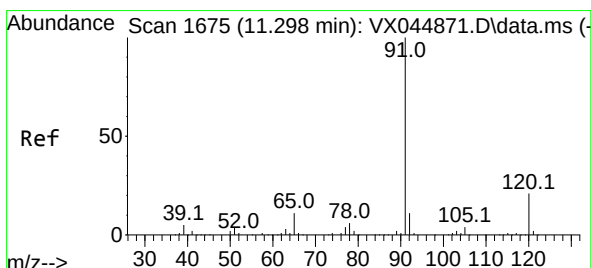
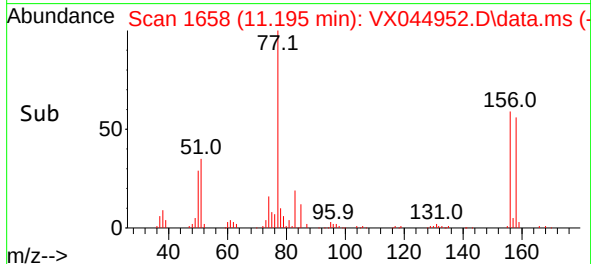
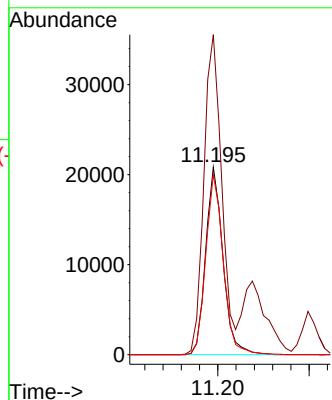
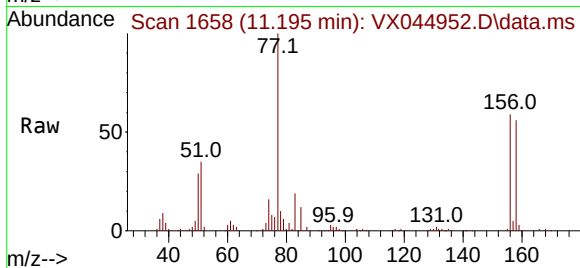
Tgt Ion:156 Resp: 27335

Ion Ratio Lower Upper

156 100

77 175.6 88.4 265.3

158 97.2 48.4 145.2



#78

n-propylbenzene

Concen: 19.101 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044952.D

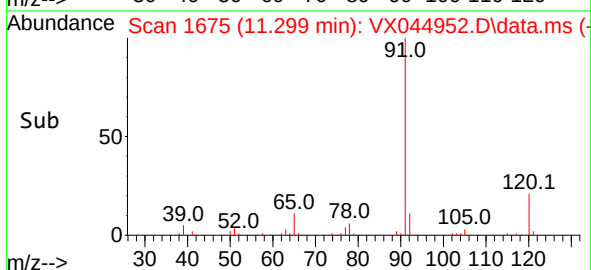
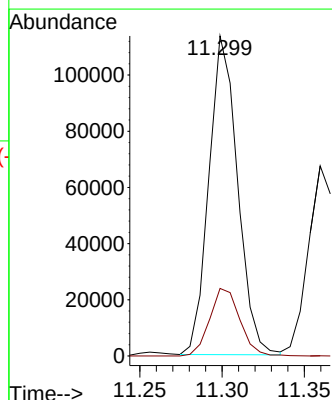
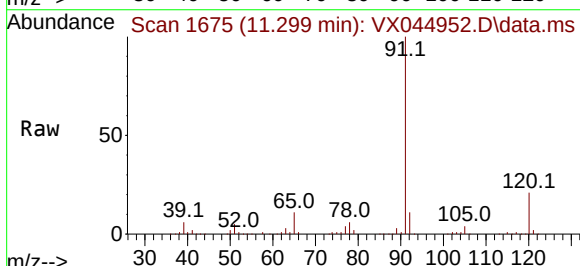
Acq: 14 Feb 2025 11:40

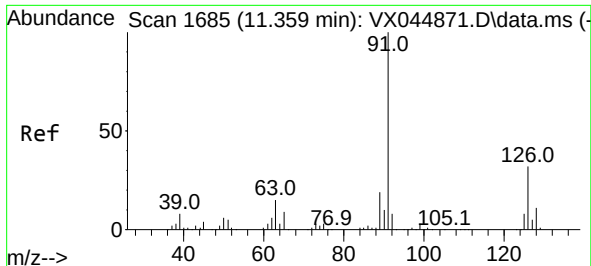
Tgt Ion: 91 Resp: 138085

Ion Ratio Lower Upper

91 100

120 22.3 11.1 33.3

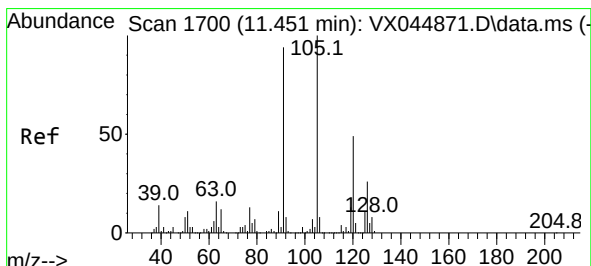
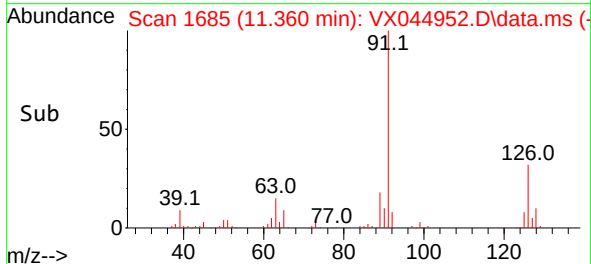
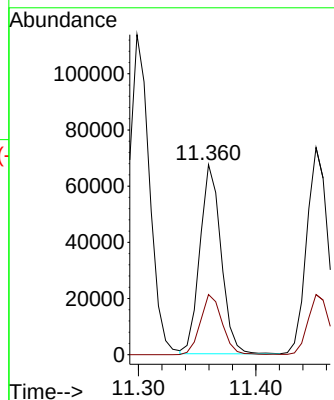
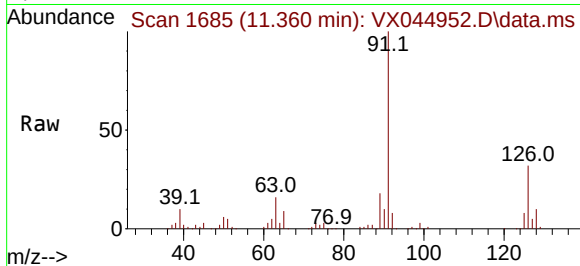




#79
2-Chlorotoluene
Concen: 18.982 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

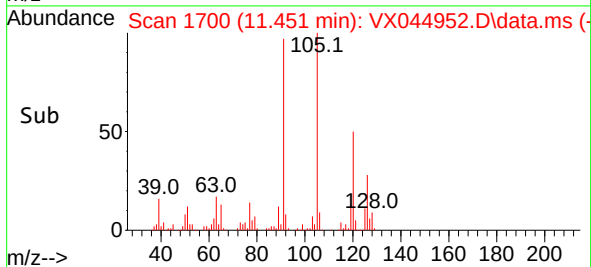
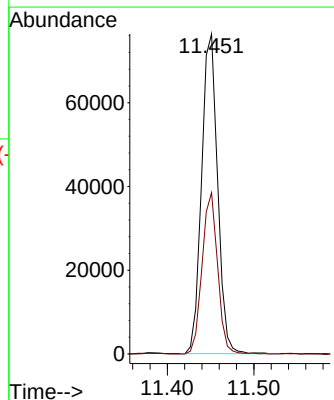
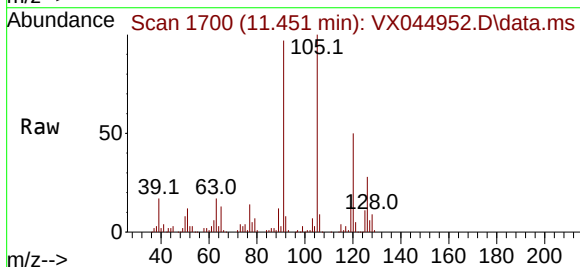
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

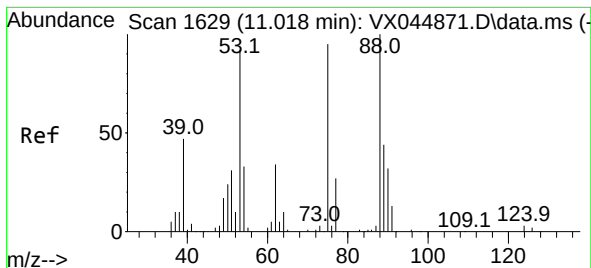
Tgt Ion: 91 Resp: 84337
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 19.292 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 105 Resp: 98051
Ion Ratio Lower Upper
105 100
120 48.9 24.0 72.0

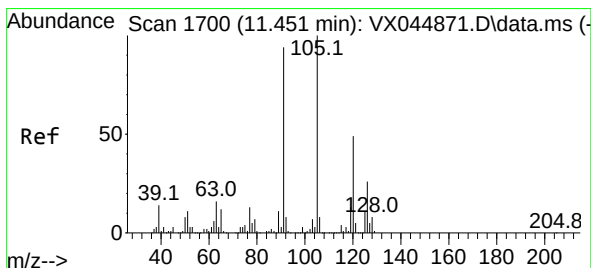
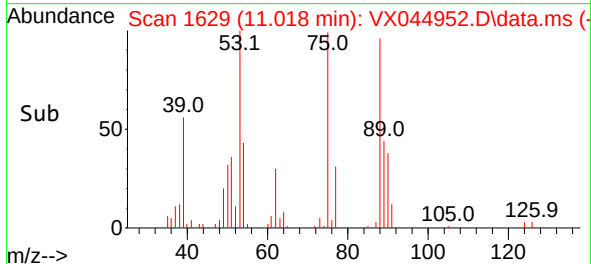
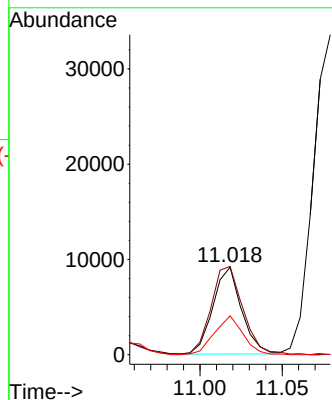
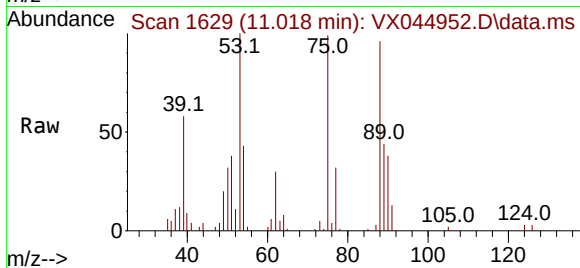




#81
trans-1,4-Dichloro-2-butene
Concen: 16.496 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

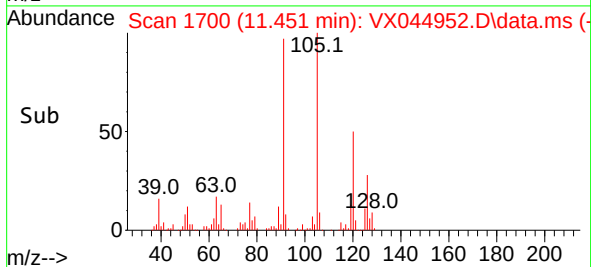
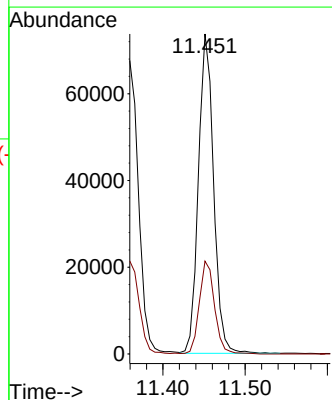
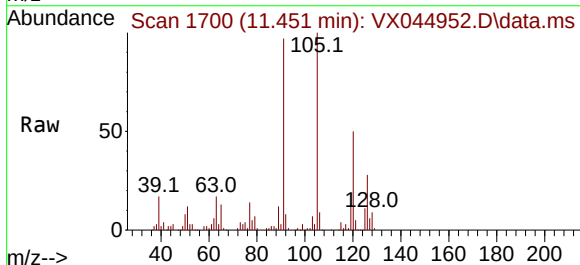
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

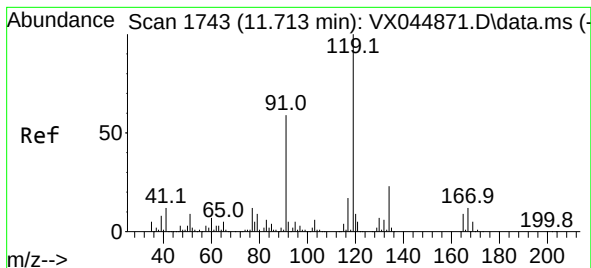
Tgt Ion: 75 Resp: 11059
Ion Ratio Lower Upper
75 100
53 113.0 78.0 117.0
89 44.6 36.6 54.8



#82
4-Chlorotoluene
Concen: 19.233 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 91 Resp: 94538
Ion Ratio Lower Upper
91 100
126 29.1 14.2 42.6

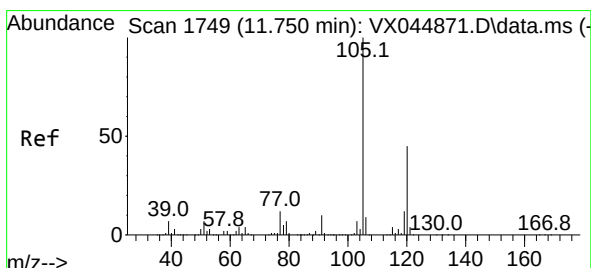
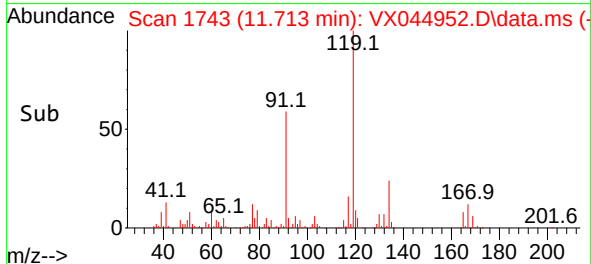
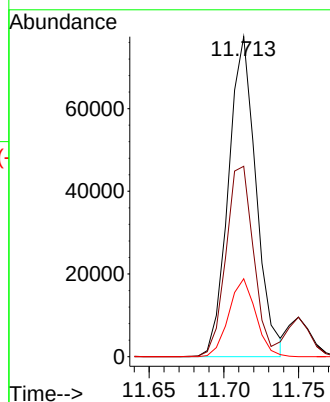
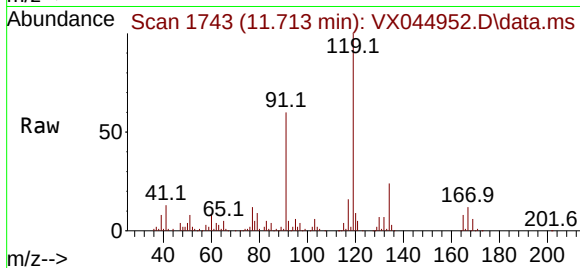




#83
 tert-Butylbenzene
 Concen: 19.359 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044952.D
 Acq: 14 Feb 2025 11:40

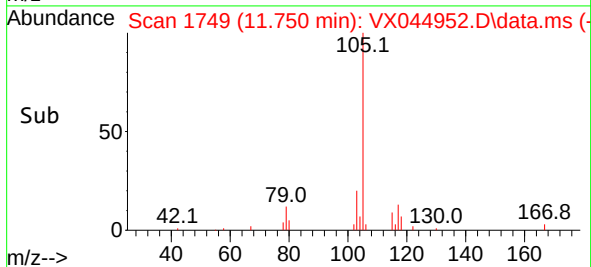
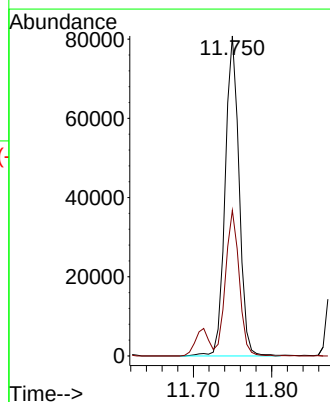
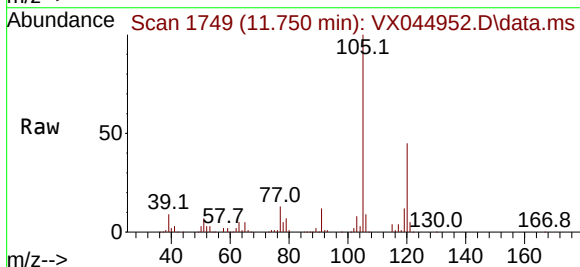
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBSD01

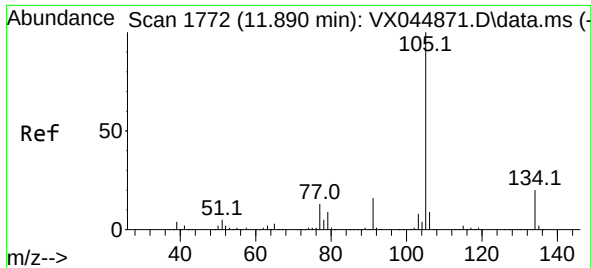
Tgt Ion:119 Resp: 99538
 Ion Ratio Lower Upper
 119 100
 91 59.2 29.1 87.4
 134 23.7 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.957 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044952.D
 Acq: 14 Feb 2025 11:40

Tgt Ion:105 Resp: 100112
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.0

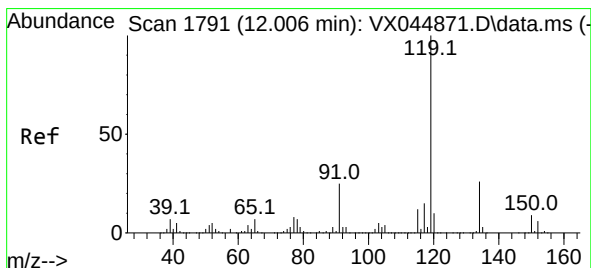
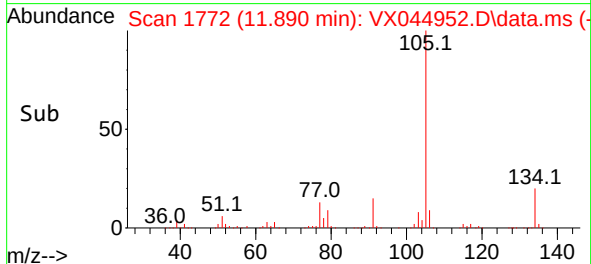
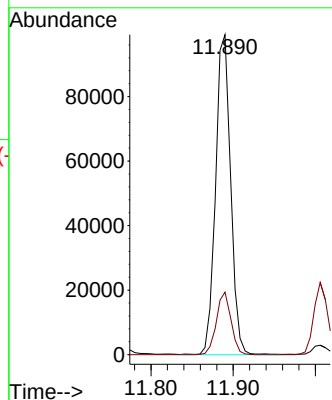
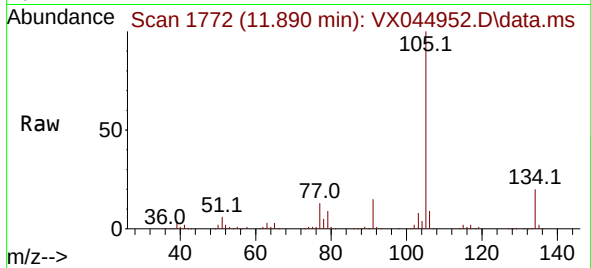




#85
sec-Butylbenzene
Concen: 19.808 ug/l
RT: 11.890 min Scan# 11772
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

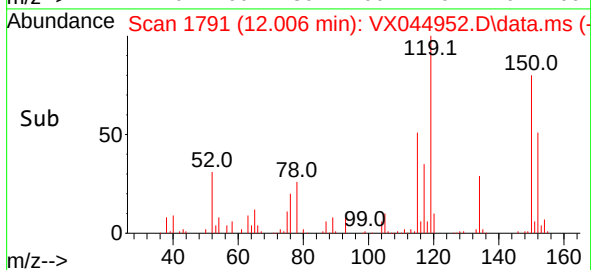
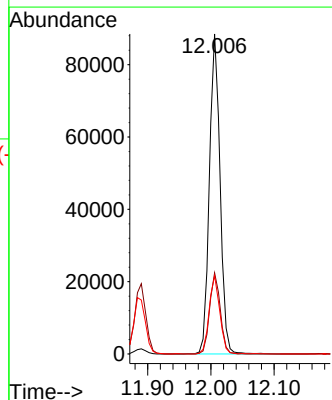
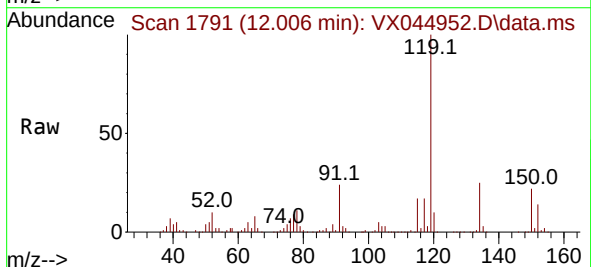
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

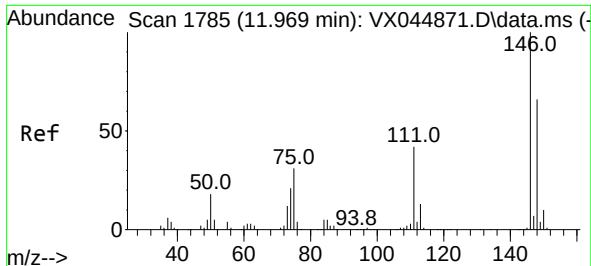
Tgt Ion:105 Resp: 126113
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.3



#86
p-Isopropyltoluene
Concen: 20.263 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:119 Resp: 103751
Ion Ratio Lower Upper
119 100
134 25.3 13.0 38.9
91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.359 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0214WBSD01

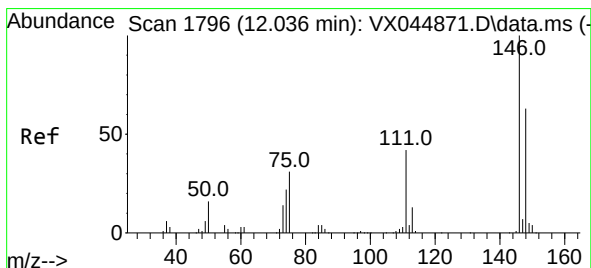
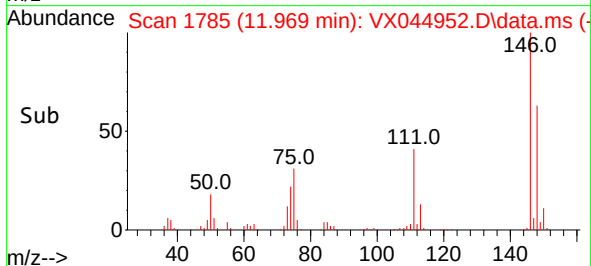
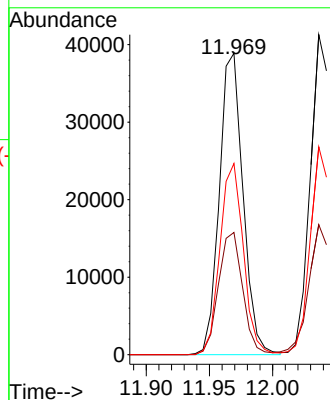
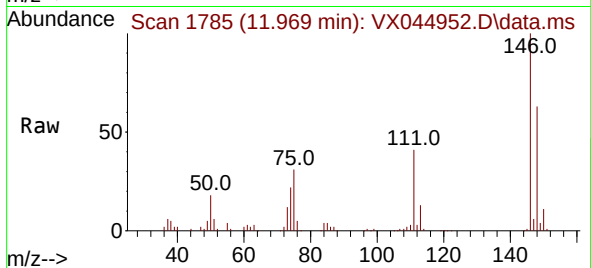
Tgt Ion:146 Resp: 50550

Ion Ratio Lower Upper

146 100

111 41.5 21.2 63.6

148 62.9 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 19.395 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044952.D

Acq: 14 Feb 2025 11:40

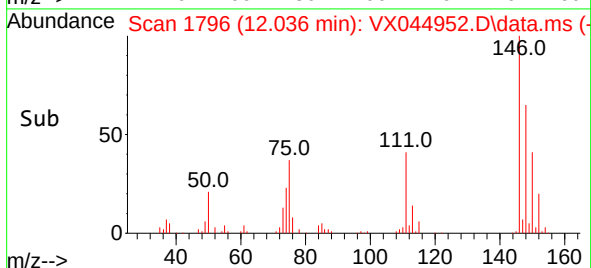
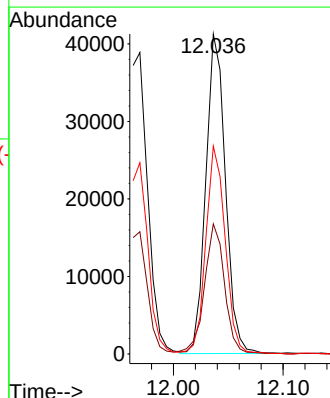
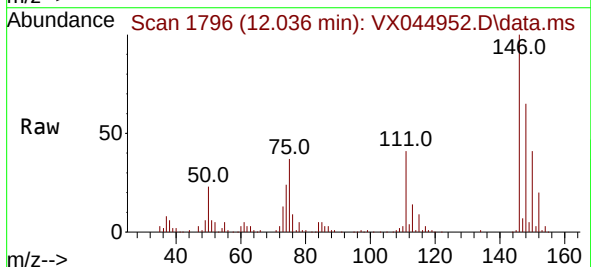
Tgt Ion:146 Resp: 51205

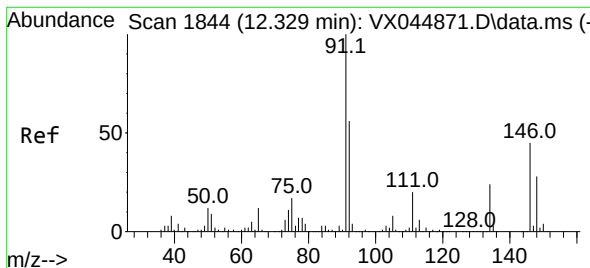
Ion Ratio Lower Upper

146 100

111 42.2 20.4 61.3

148 64.7 32.0 96.0

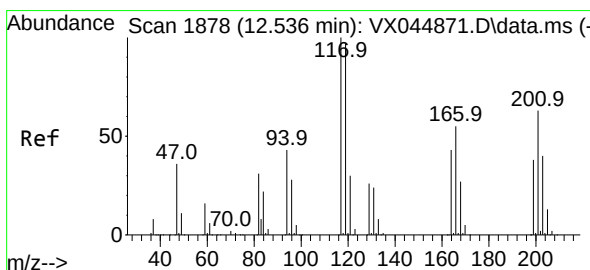
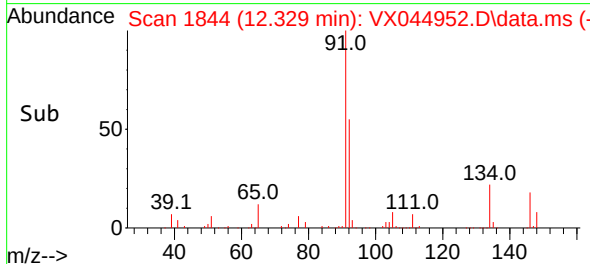
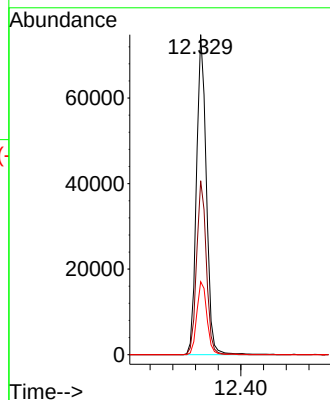
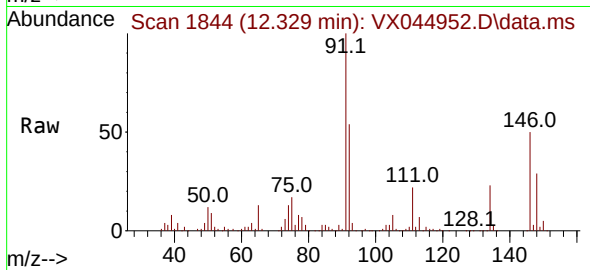




#89
n-Butylbenzene
Concen: 19.975 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

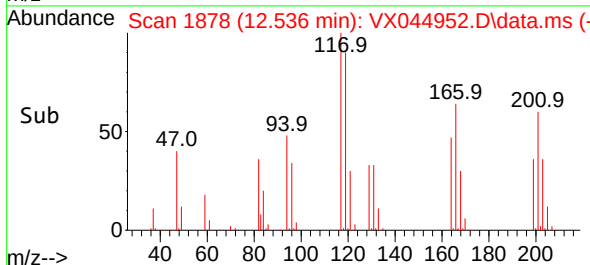
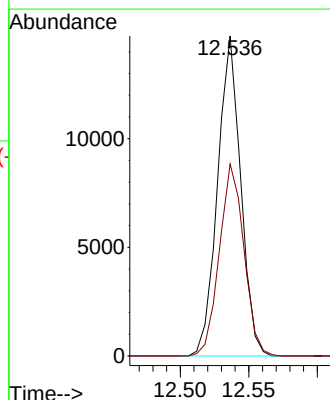
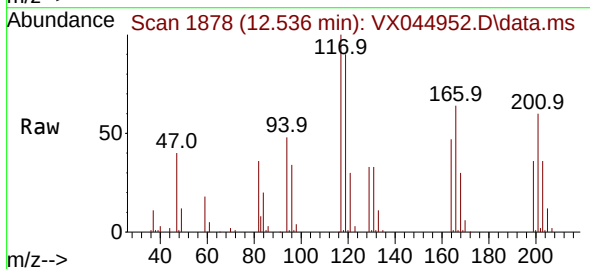
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

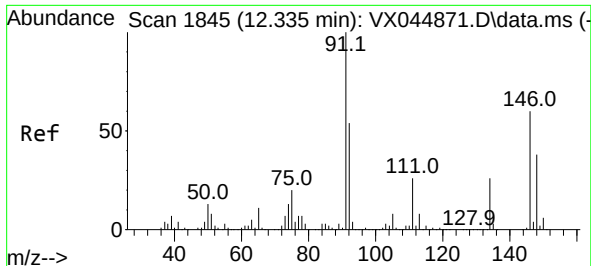
Tgt Ion: 91 Resp: 90481
Ion Ratio Lower Upper
91 100
92 53.9 27.2 81.6
134 23.3 12.1 36.3



#90
Hexachloroethane
Concen: 17.989 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 117 Resp: 17246
Ion Ratio Lower Upper
117 100
201 63.8 32.5 97.5

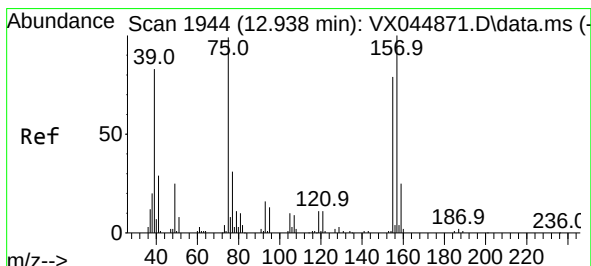
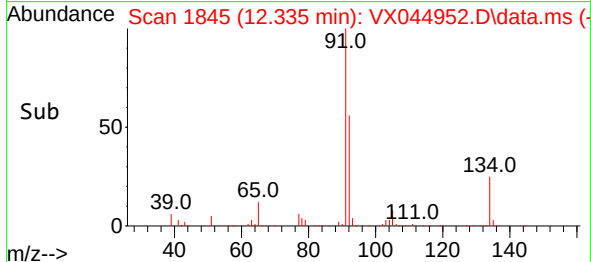
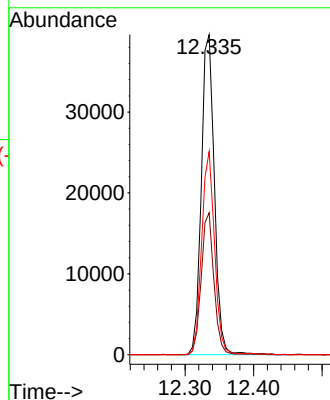
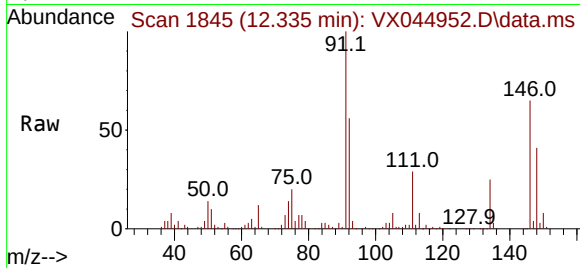




#91
1,2-Dichlorobenzene
Concen: 20.469 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

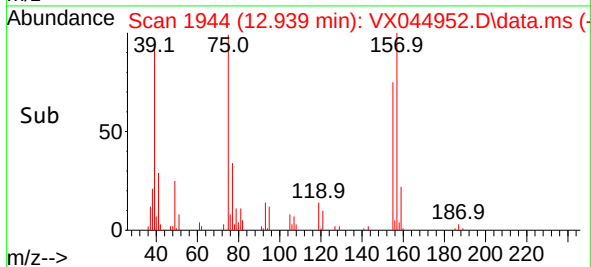
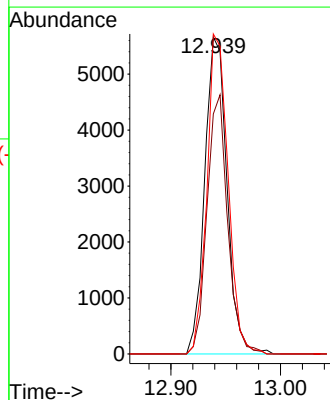
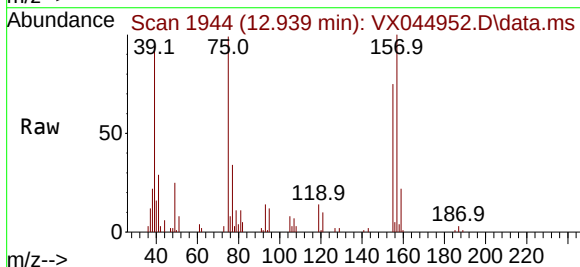
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

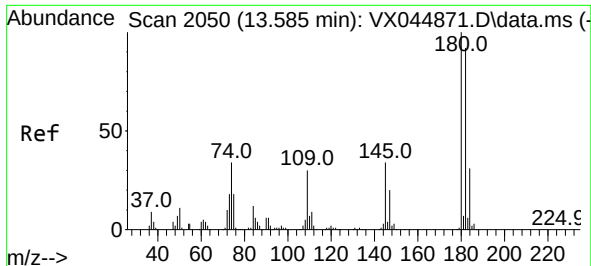
Tgt Ion:146 Resp: 52530
Ion Ratio Lower Upper
146 100
111 43.5 21.8 65.4
148 62.6 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.217 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion: 75 Resp: 7941
Ion Ratio Lower Upper
75 100
155 76.6 40.5 121.4
157 96.7 51.4 154.3

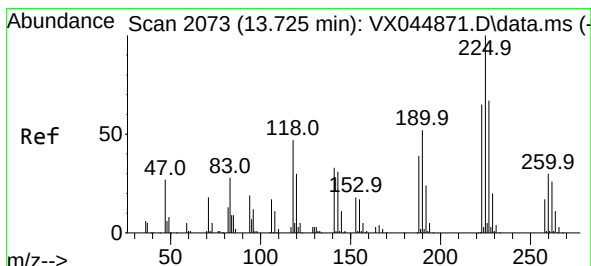
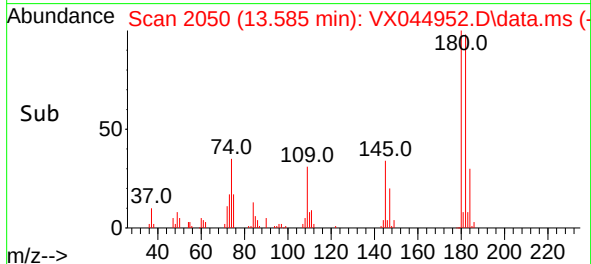
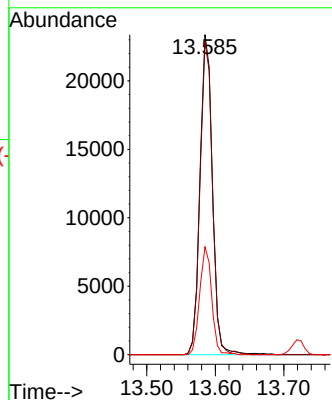
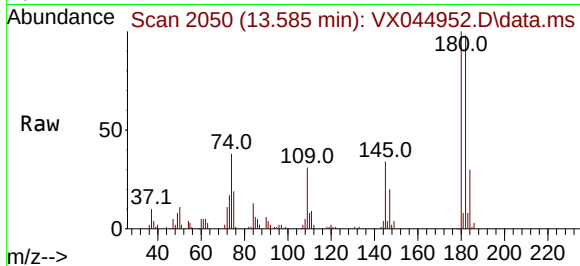




#93
1,2,4-Trichlorobenzene
Concen: 19.066 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

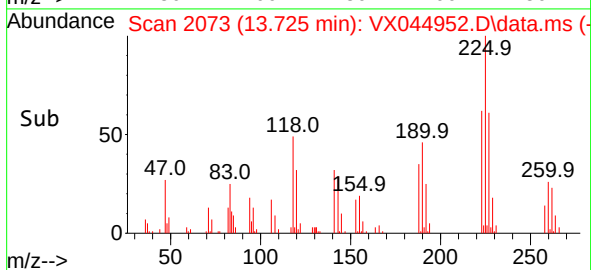
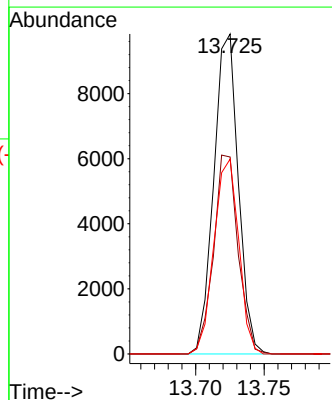
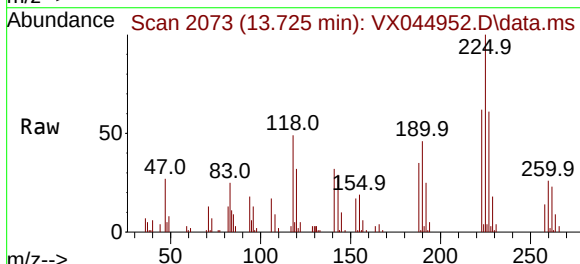
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

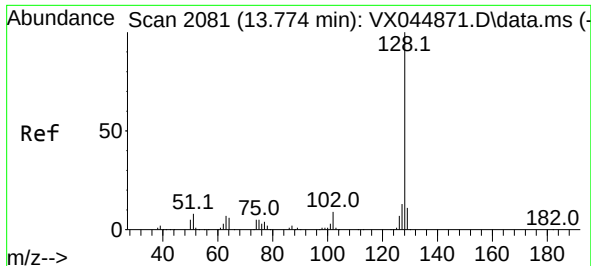
Tgt Ion:180	Resp:	29608
Ion Ratio	Lower	Upper
180	100	
182	97.1	47.6 142.8
145	32.3	16.4 49.1



#94
Hexachlorobutadiene
Concen: 19.827 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:225	Resp:	12223
Ion Ratio	Lower	Upper
225	100	
223	62.4	31.4 94.2
227	61.6	32.3 96.8

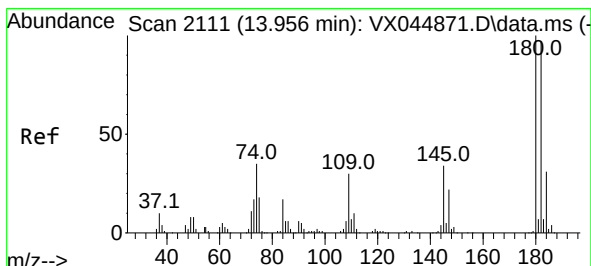
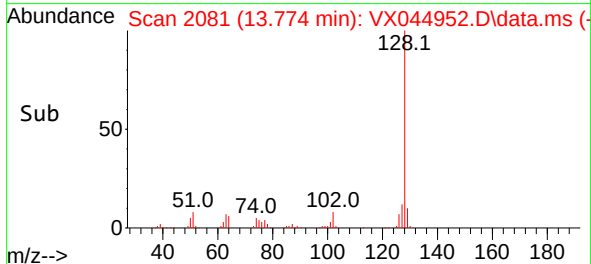
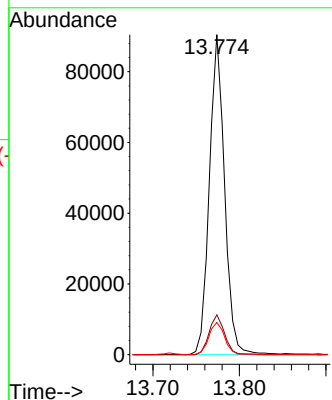
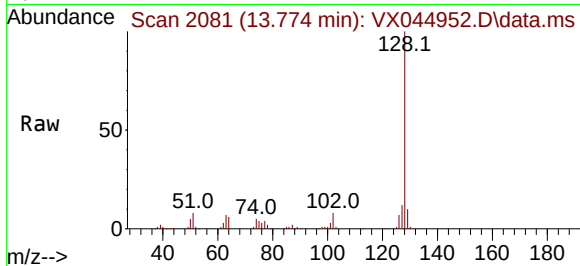




#95
Naphthalene
Concen: 19.661 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

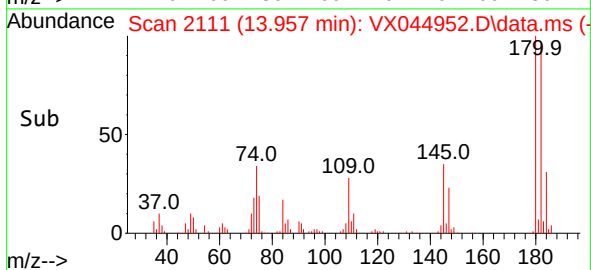
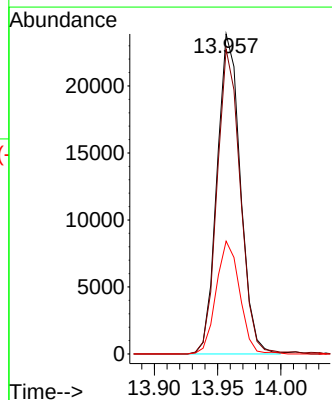
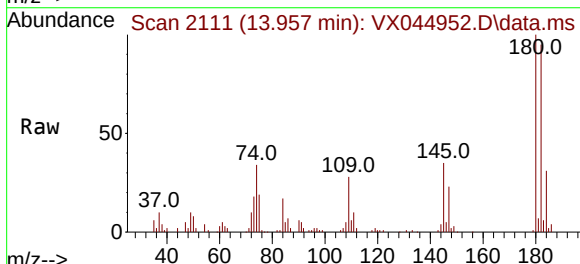
Instrument :
MSVOA_X
ClientSampleId :
VX0214WBSD01

Tgt Ion:	128	Resp:	110366
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.5	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.564 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044952.D
Acq: 14 Feb 2025 11:40

Tgt Ion:	180	Resp:	30613
Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.6
145	35.5	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044960.D
 Acq On : 14 Feb 2025 14:43
 Operator : JC/MD
 Sample : Q1352-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-021025

Quant Time: Feb 14 22:15:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

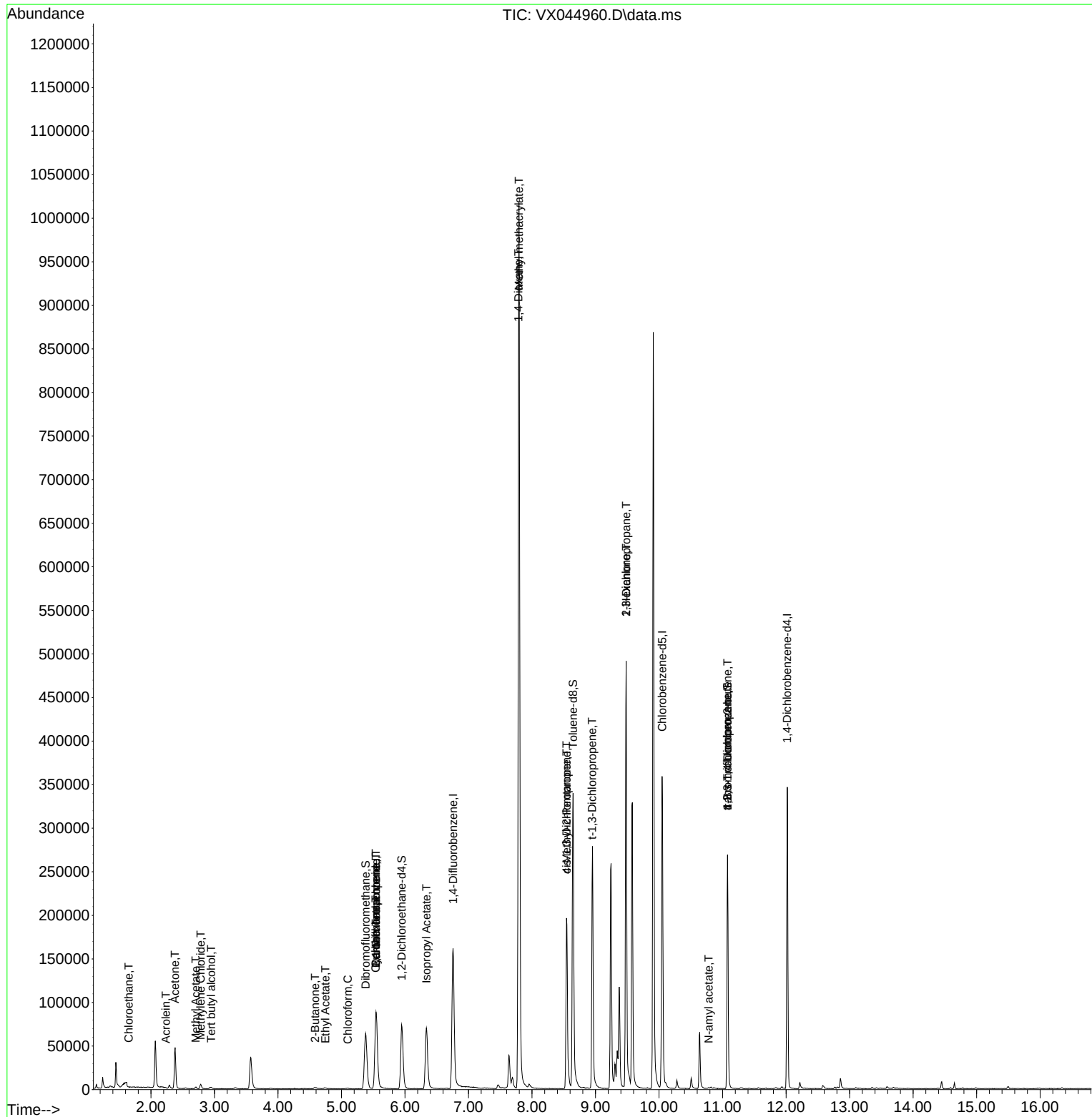
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67561	55.375	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.740%	
35) Dibromofluoromethane	5.379	113	56676	51.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.580%	
50) Toluene-d8	8.647	98	211950	50.728	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.460%	
62) 4-Bromofluorobenzene	11.079	95	72775	51.666	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.340%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	87	1.472	ug/l #	42
11) Tert butyl alcohol	2.947	59	1739	7.683	ug/l #	73
13) Acrolein	2.233	56	500	2.141	ug/l	95
16) Acetone	2.380	43	49394	100.706	ug/l	96
18) Methyl Acetate	2.703	43	2336	1.509	ug/l #	89
20) Methylene Chloride	2.782	84	2256	1.878	ug/l	91
25) 2-Butanone	4.587	43	3440	4.319	ug/l #	89
30) Chloroform	5.099	83	879	0.441	ug/l	91
31) Cyclohexane	5.538	56	2126	1.122	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	7316	4.589	ug/l #	50
37) Ethyl Acetate	4.745	43	2719	1.533	ug/l #	73
38) Carbon Tetrachloride	5.544	117	9006	5.765	ug/l #	14
43) Isopropyl Acetate	6.336	43	100784	35.198	ug/l	99
48) Methyl methacrylate	7.793	41	87680	64.944	ug/l #	44
49) 1,4-Dioxane	7.787	88	70	2.417	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	77024	44.248	ug/l #	50
53) t-1,3-Dichloropropene	8.945	75	634	0.377	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	32781	17.471	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	4585	2.299	ug/l #	42
59) 2-Hexanone	9.482	43	61975	49.414	ug/l #	51
74) N-amyl acetate	10.781	43	591	0.244	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	38480	26.083	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38480	67.095	ug/l #	11

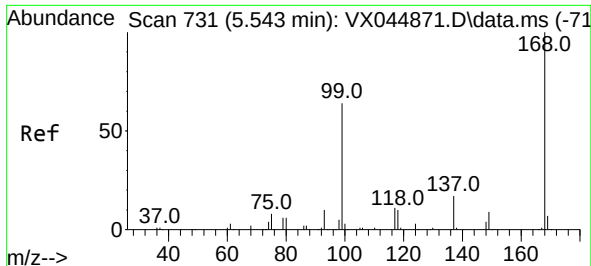
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044960.D
Acq On : 14 Feb 2025 14:43
Operator : JC/MD
Sample : Q1352-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

Quant Time: Feb 14 22:15:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

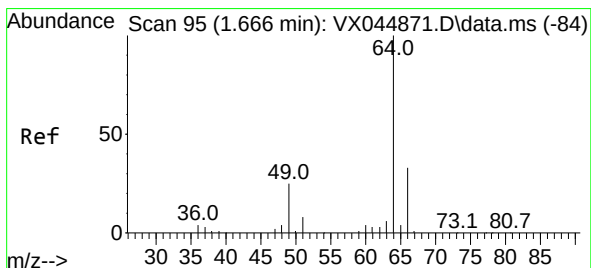
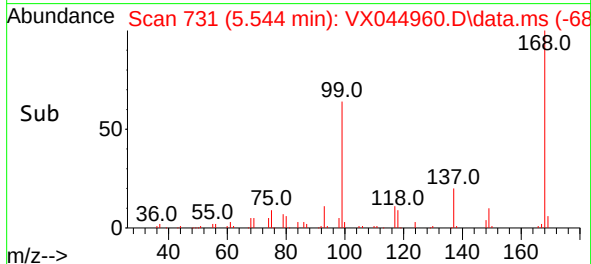
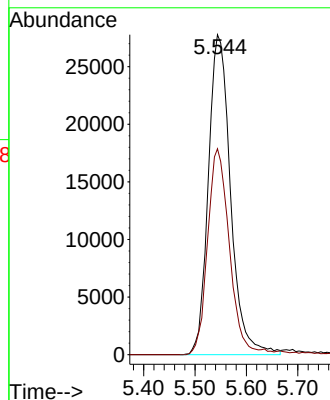
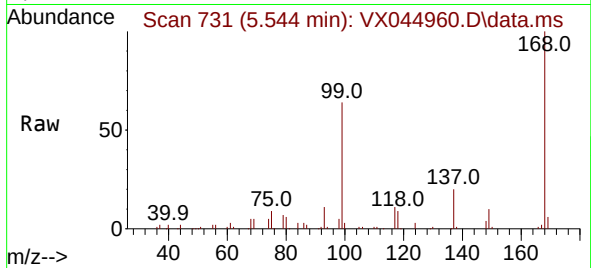




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

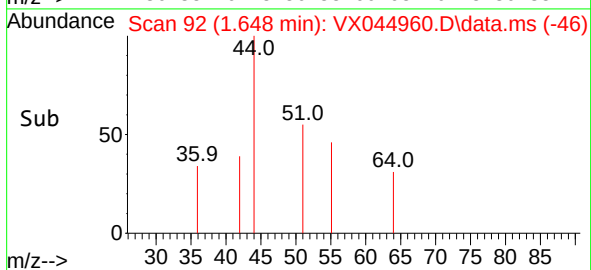
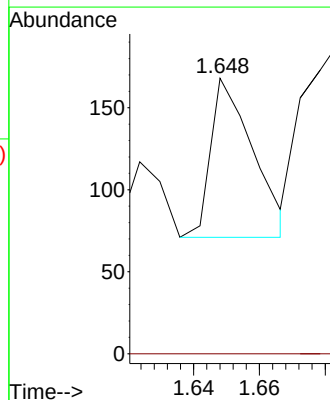
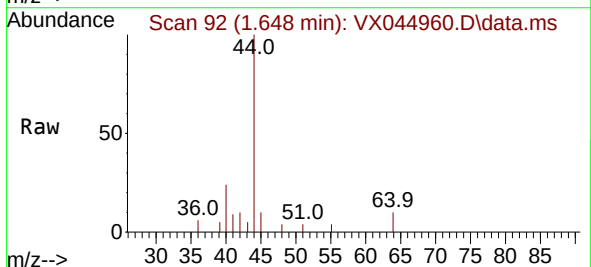
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

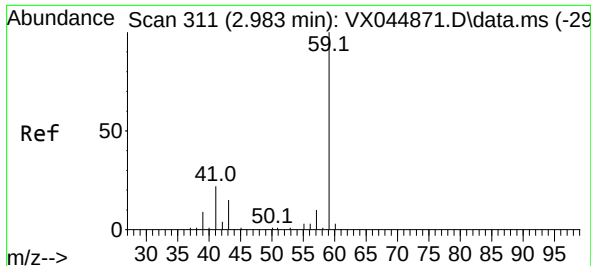
Tgt Ion:168 Resp: 83348
Ion Ratio Lower Upper
168 100
99 64.3 51.2 76.8



#6
Chloroethane
Concen: 1.472 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 7.683 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.036 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

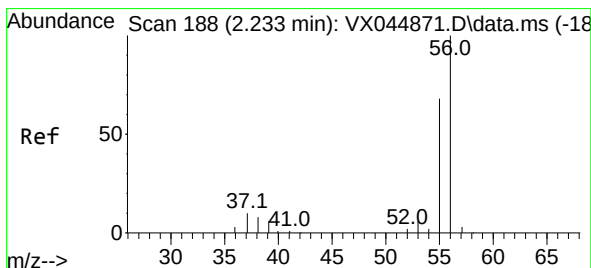
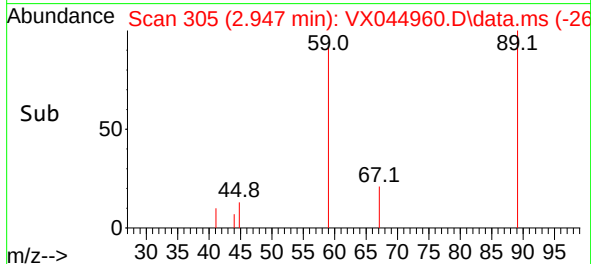
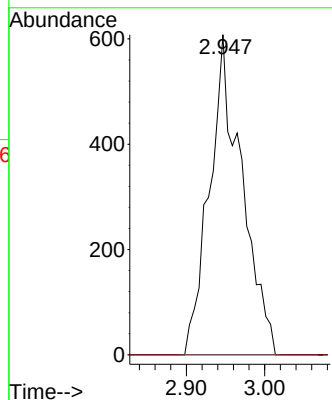
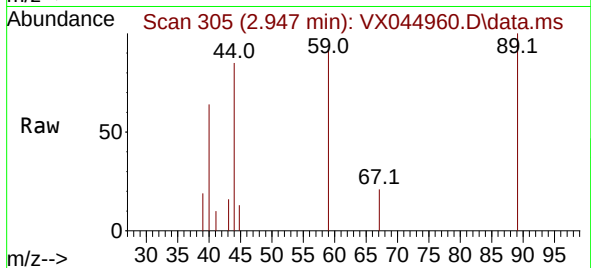
TAP-IDW-SOIL-021025

Tgt Ion: 59 Resp: 1739

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 2.141 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044960.D

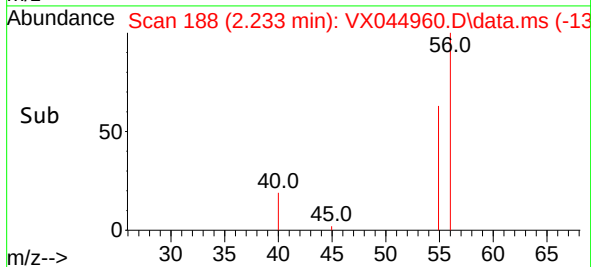
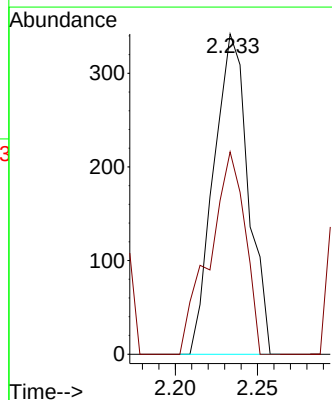
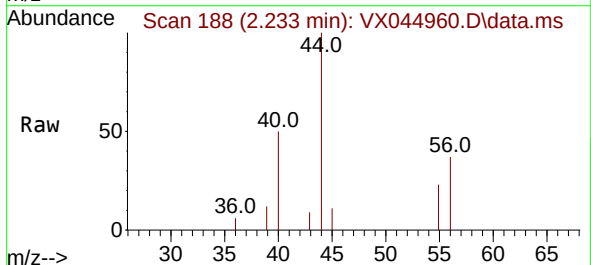
Acq: 14 Feb 2025 14:43

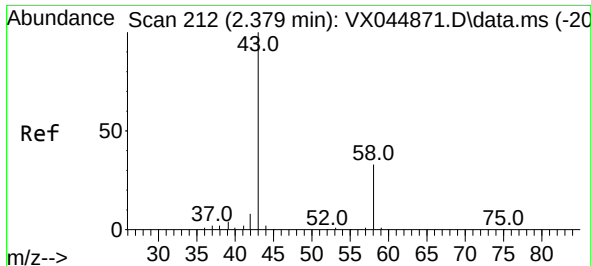
Tgt Ion: 56 Resp: 500

Ion Ratio Lower Upper

56 100

55 65.2 55.7 83.5

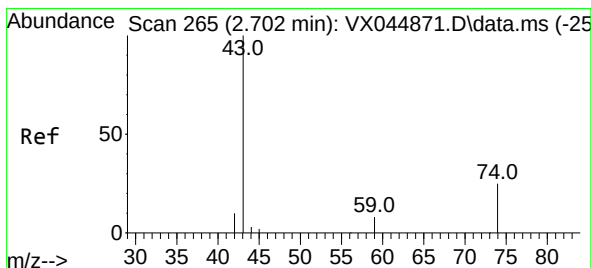
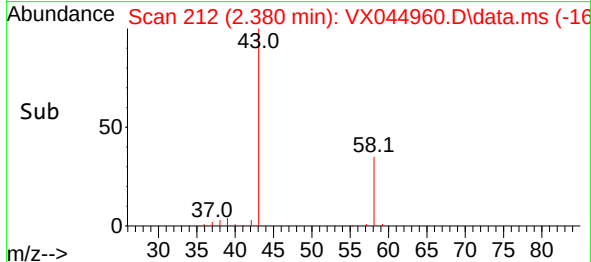
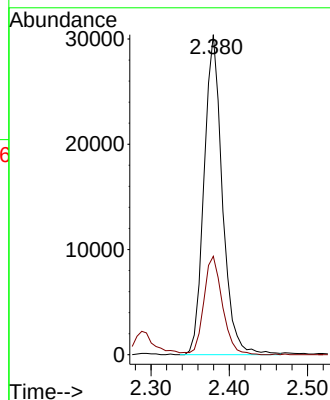
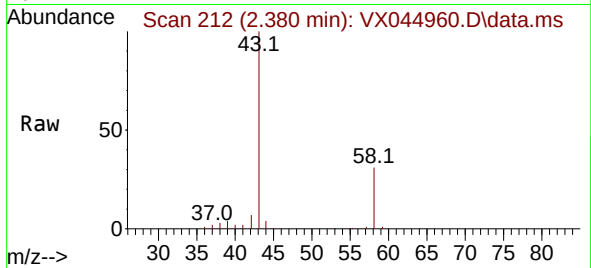




#16
Acetone
Concen: 100.706 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

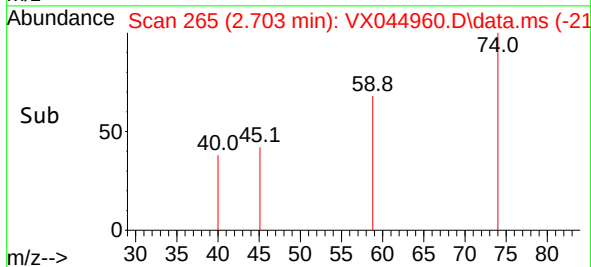
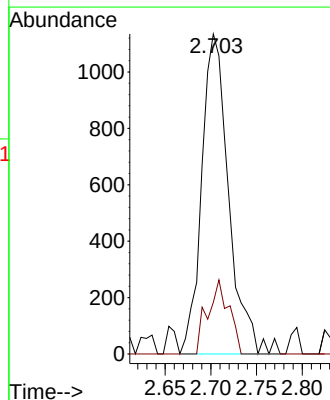
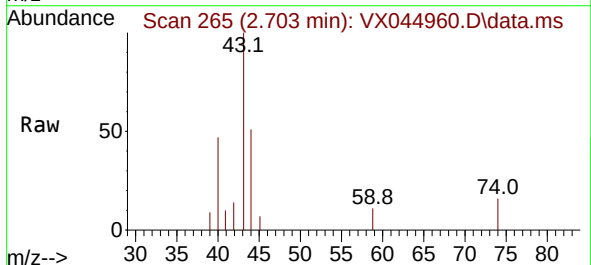
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

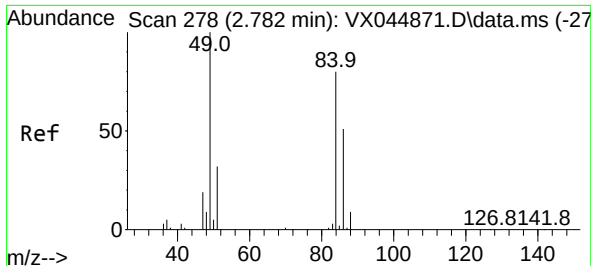
Tgt Ion: 43 Resp: 49394
Ion Ratio Lower Upper
43 100
58 30.8 26.5 39.7



#18
Methyl Acetate
Concen: 1.509 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

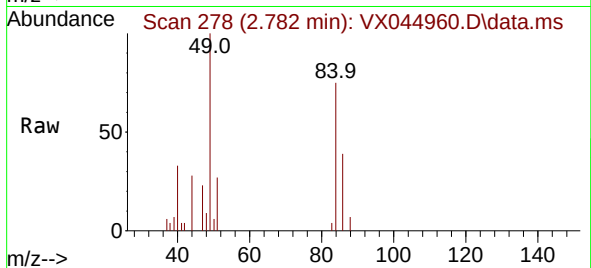
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
74 18.2 18.9 28.3#



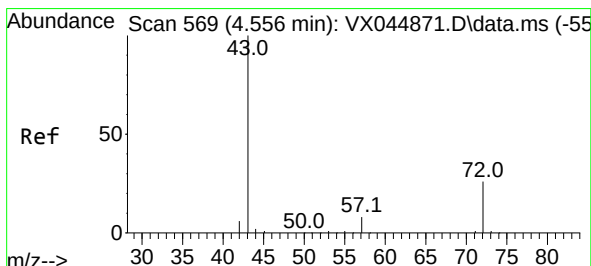
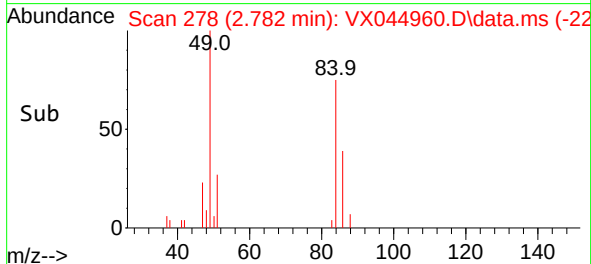
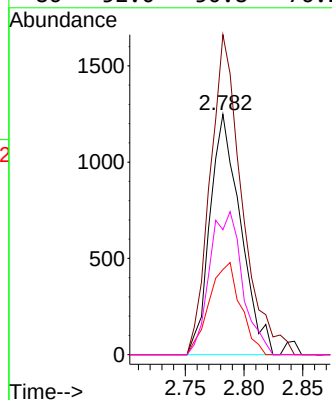


#20
Methylene Chloride
Concen: 1.878 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

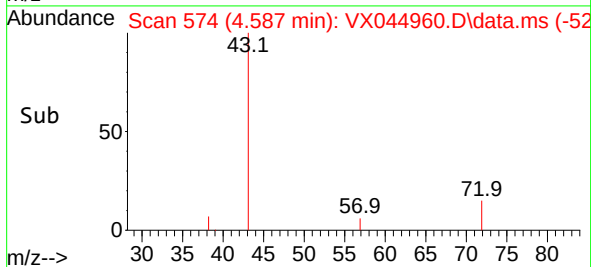
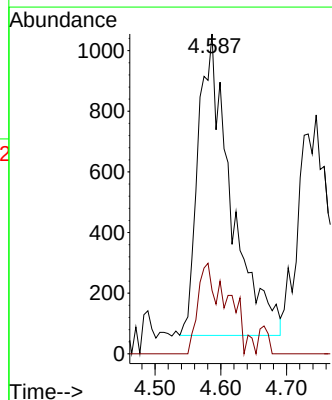
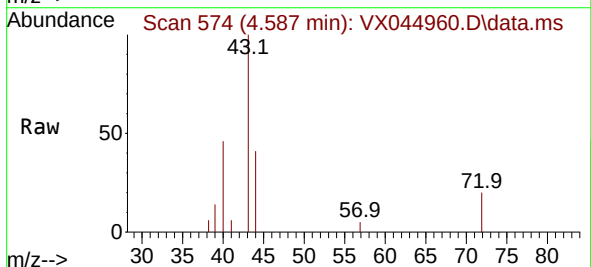


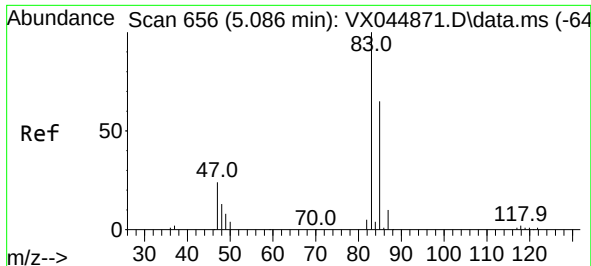
Tgt Ion:	84	Resp:	2256
Ion	Ratio	Lower	Upper
84	100		
49	133.2	100.1	150.1
51	35.4	31.7	47.5
86	52.0	50.8	76.2



#25
2-Butanone
Concen: 4.319 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion:	43	Resp:	3440
Ion	Ratio	Lower	Upper
43	100		
72	21.0	21.2	31.8#





#30

Chloroform

Concen: 0.441 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

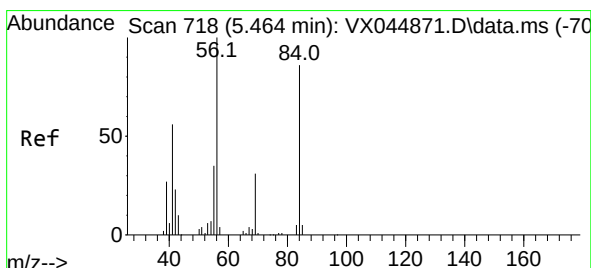
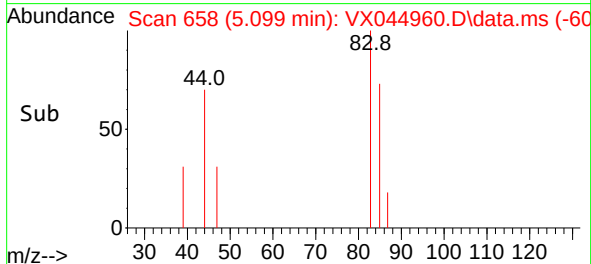
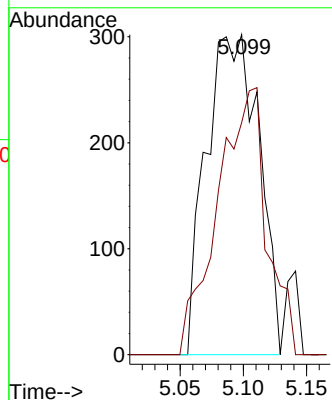
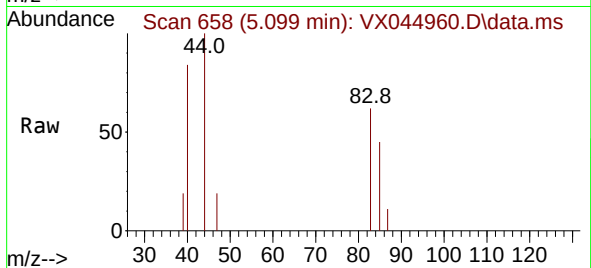
TAP-IDW-SOIL-021025

Tgt Ion: 83 Resp: 879

Ion Ratio Lower Upper

83 100

85 72.5 52.1 78.1



#31

Cyclohexane

Concen: 1.122 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

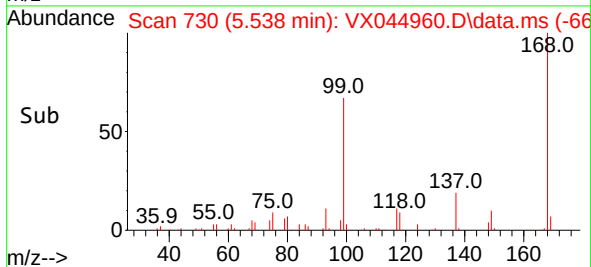
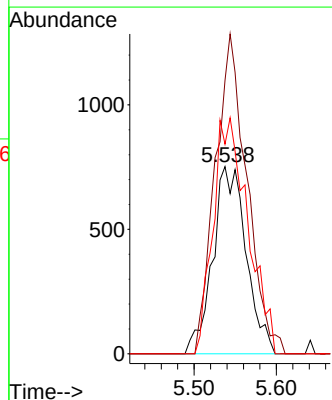
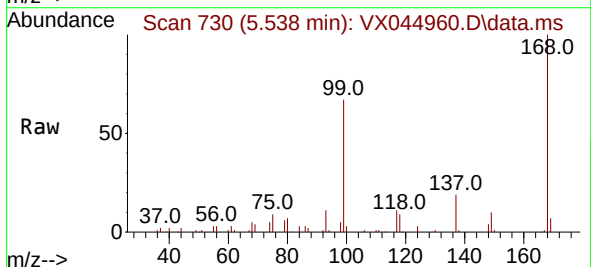
Tgt Ion: 56 Resp: 2126

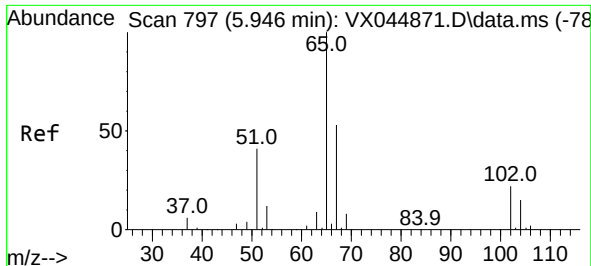
Ion Ratio Lower Upper

56 100

69 146.0 24.4 36.6#

84 112.0 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 55.375 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

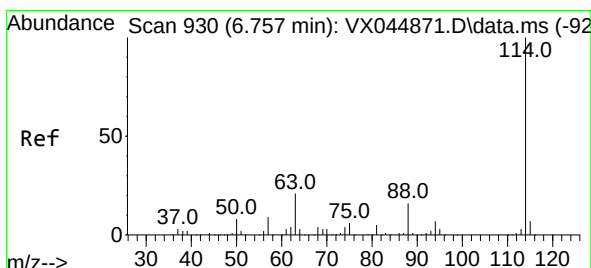
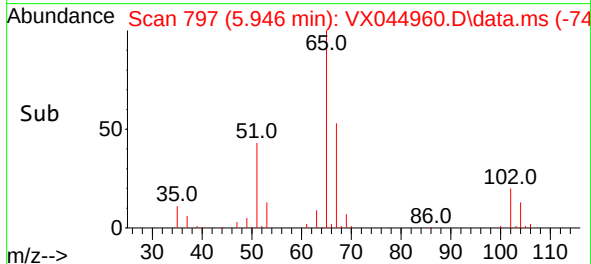
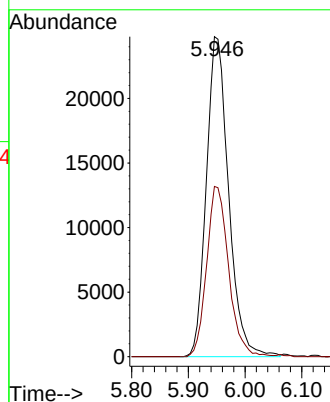
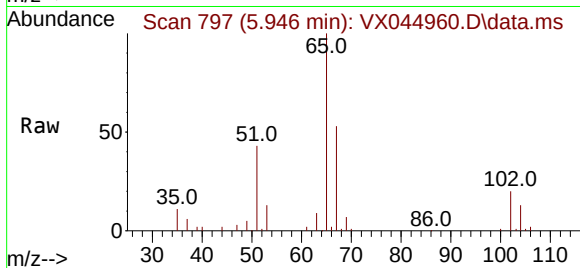
TAP-IDW-SOIL-021025

Tgt Ion: 65 Resp: 67561

Ion Ratio Lower Upper

65 100

67 52.6 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

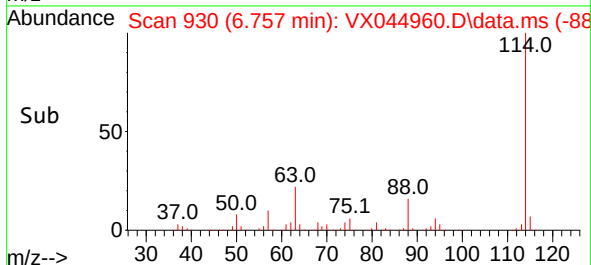
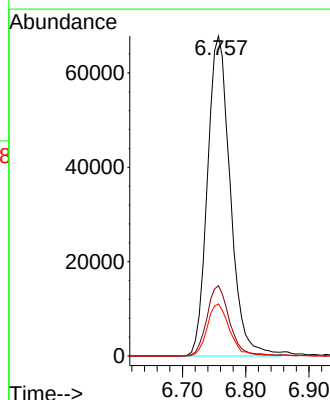
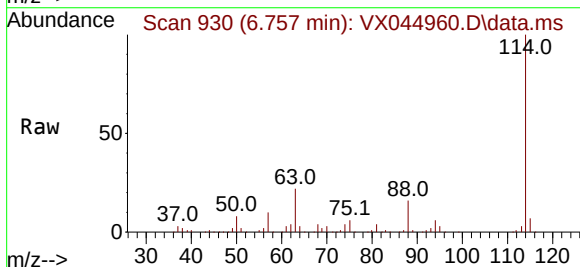
Tgt Ion: 114 Resp: 169946

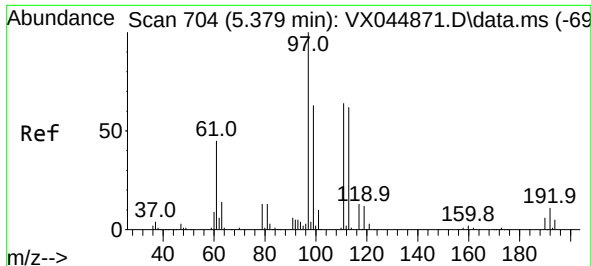
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

88 16.3 0.0 31.4

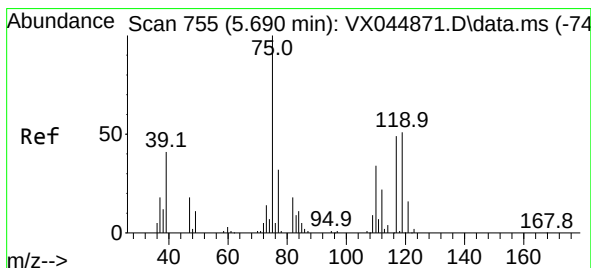
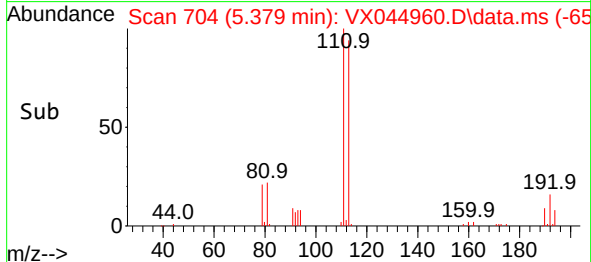
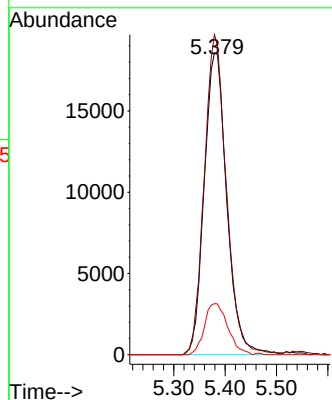
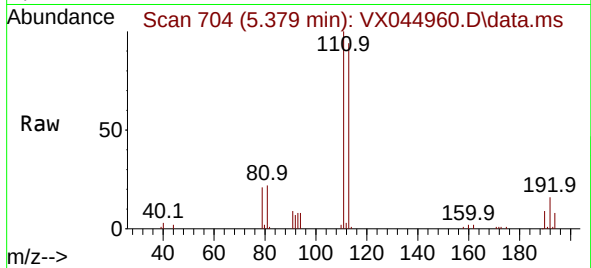




#35
Dibromofluoromethane
Concen: 51.294 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

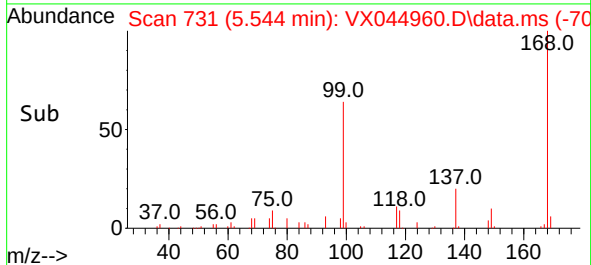
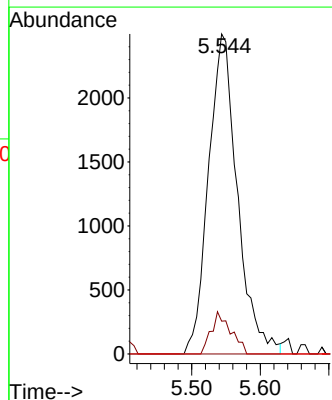
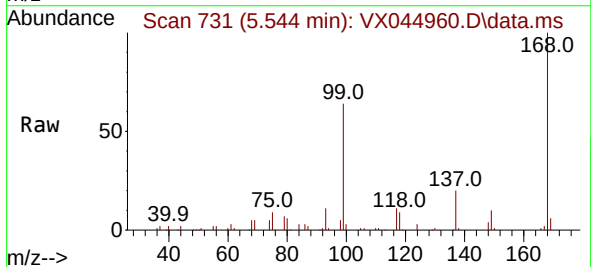
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

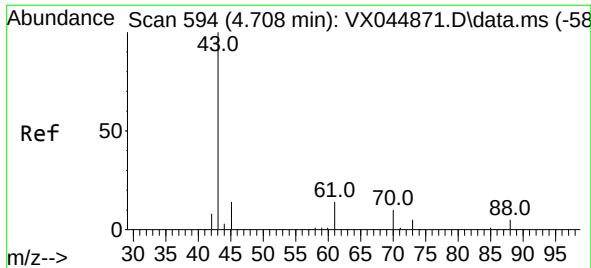
Tgt Ion:	113	Resp:	56676
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.5	125.3
192	17.5	14.4	21.6



#36
1,1-Dichloropropene
Concen: 4.589 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion:	75	Resp:	7316
Ion Ratio	Lower	Upper	
75	100		
110	8.9	17.2	51.6#
77	0.0	24.6	37.0#





#37

Ethyl Acetate

Concen: 1.533 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.037 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

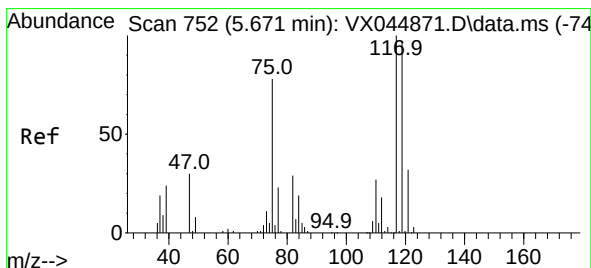
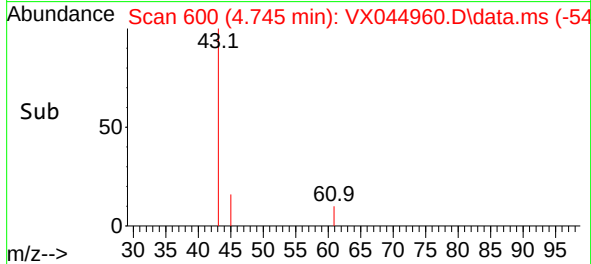
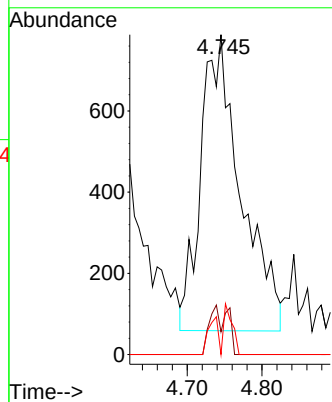
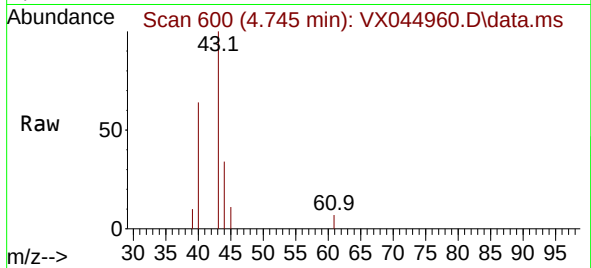
Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025

Tgt Ion:	43	Resp:	2719
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	3.7	8.2	12.2#



#38

Carbon Tetrachloride

Concen: 5.765 ug/l

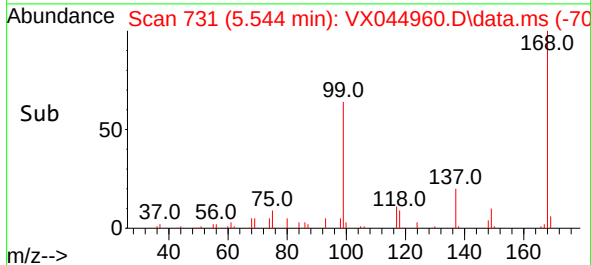
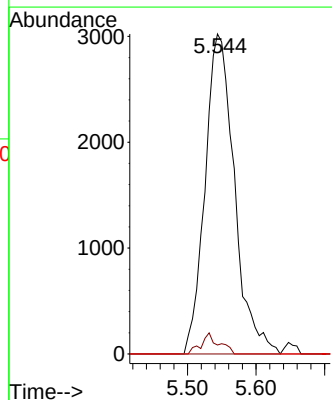
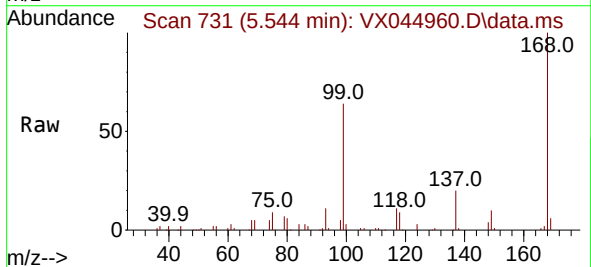
RT: 5.544 min Scan# 731

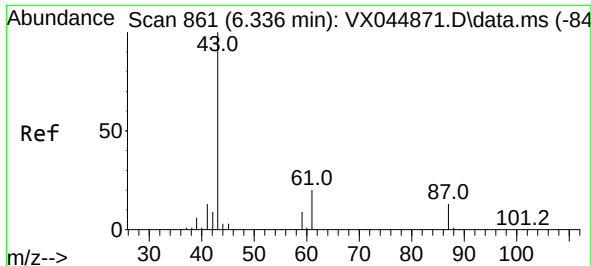
Delta R.T. -0.128 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Tgt Ion:	117	Resp:	9006
Ion	Ratio	Lower	Upper
117	100		
119	2.8	77.5	116.3#
121	0.0	25.6	38.4#

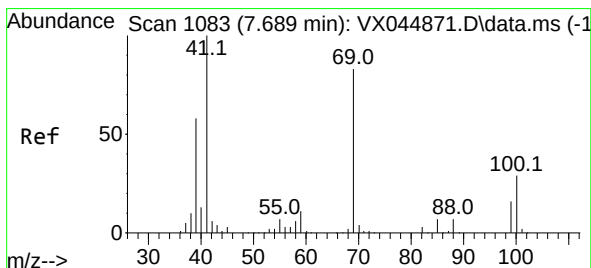
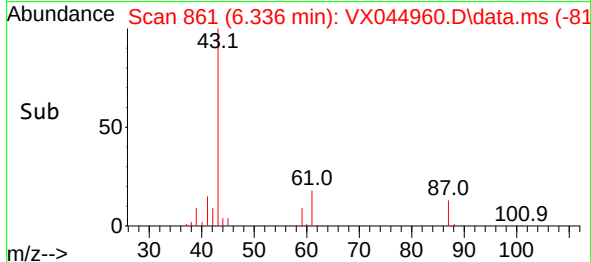
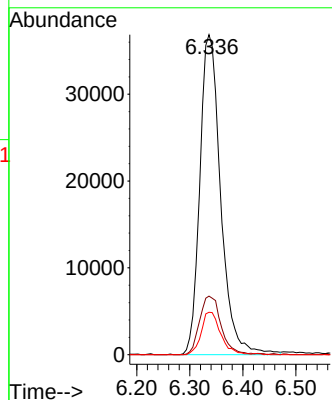
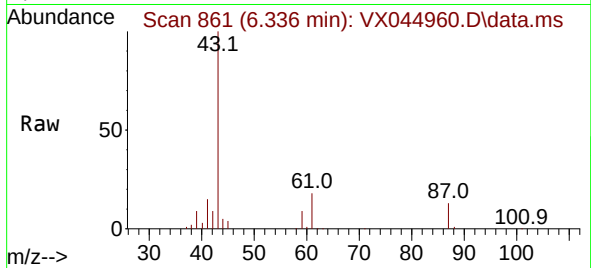




#43
Isopropyl Acetate
Concen: 35.198 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

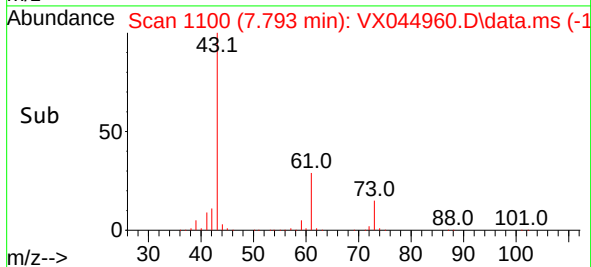
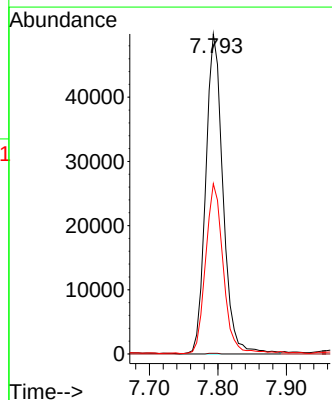
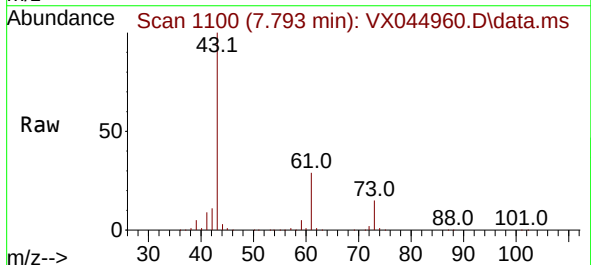
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

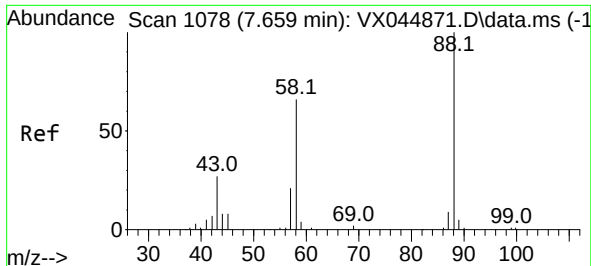
Tgt Ion: 43 Resp: 100784
Ion Ratio Lower Upper
43 100
61 18.8 15.8 23.8
87 12.4 10.0 15.0



#48
Methyl methacrylate
Concen: 64.944 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 41 Resp: 87680
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 53.8 46.4 69.6

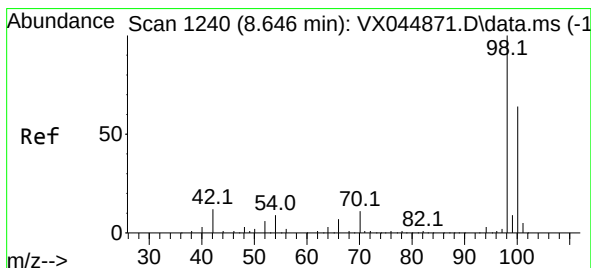
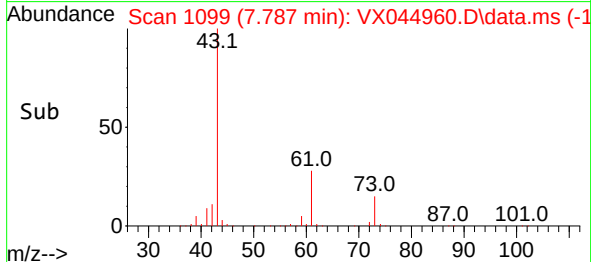
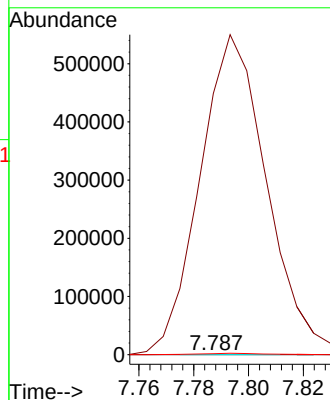
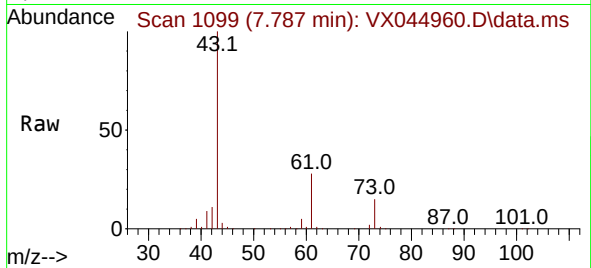




#49
1,4-Dioxane
Concen: 2.417 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

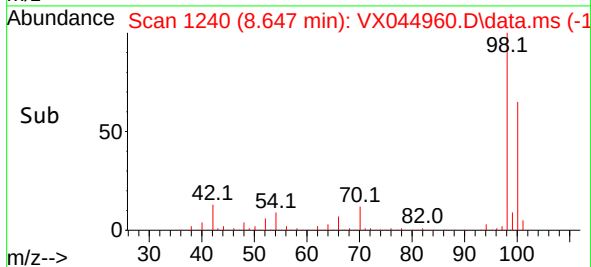
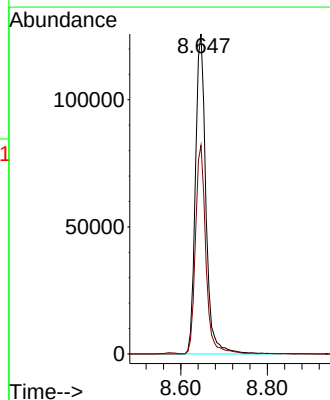
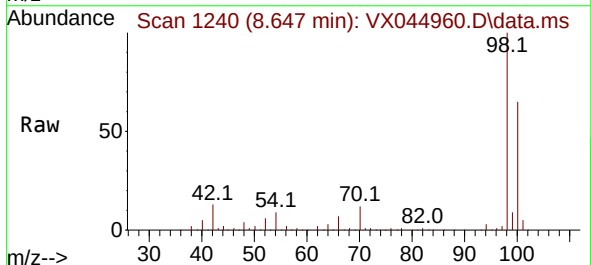
Instrument : MSVOA_X
ClientSampleId : TAP-IDW-SOIL-021025

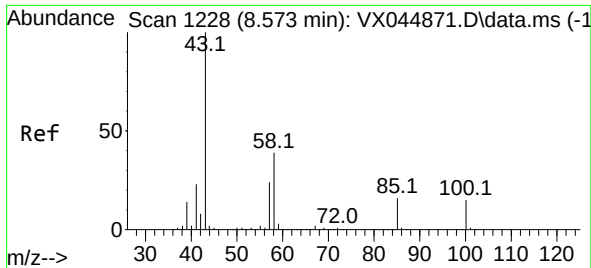
Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 1364122.9 26.6 39.8#
58 5911.4 55.9 83.9#



#50
Toluene-d8
Concen: 50.728 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 98 Resp: 211950
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1

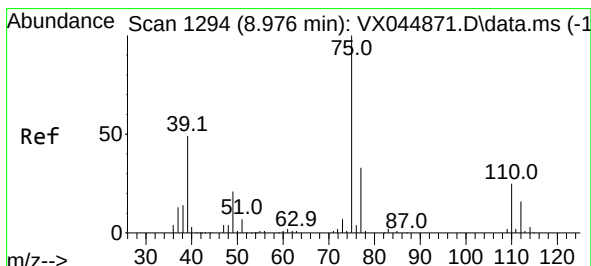
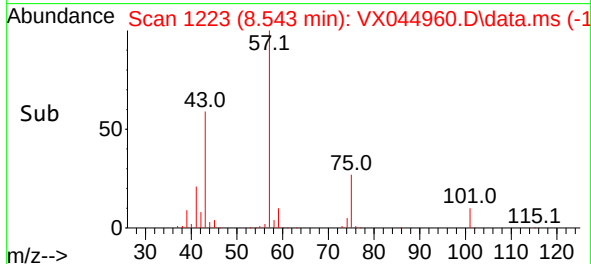
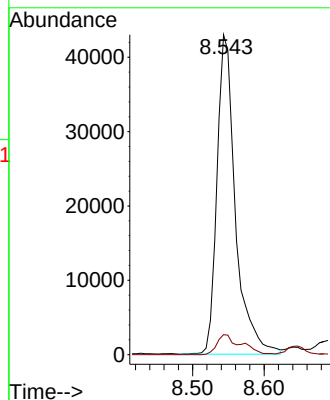
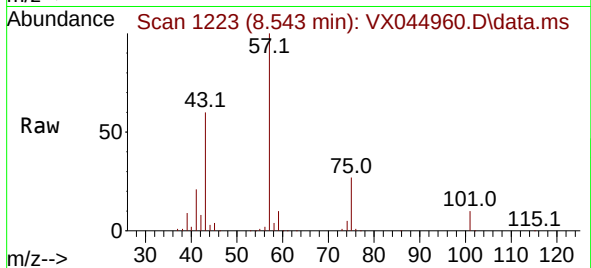




#51
4-Methyl-2-Pentanone
Concen: 44.248 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

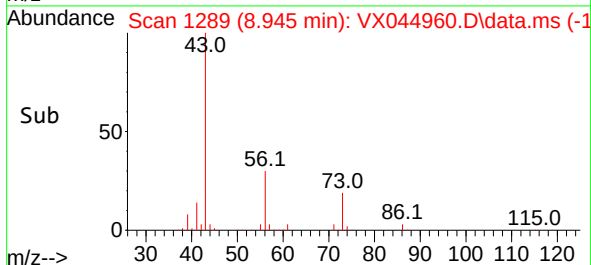
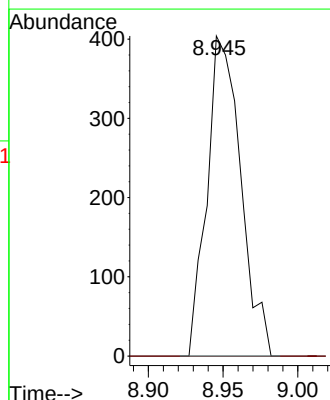
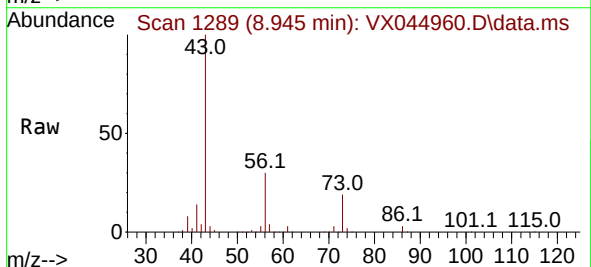
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

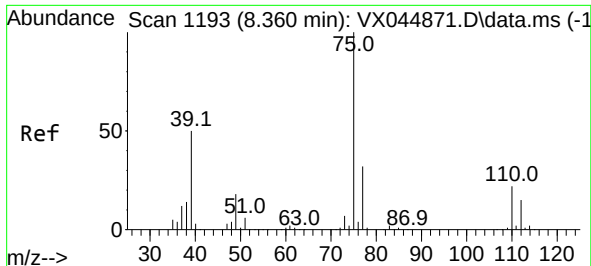
Tgt Ion: 43 Resp: 77024
Ion Ratio Lower Upper
43 100
58 8.2 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.377 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 75 Resp: 634
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

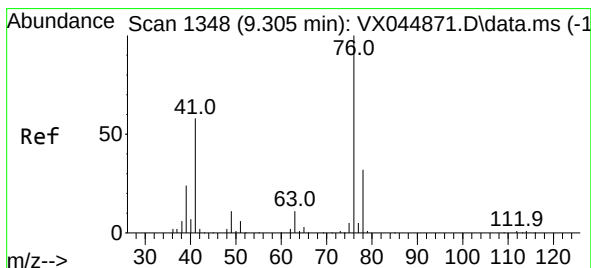
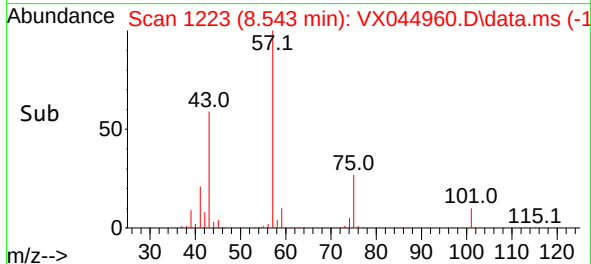
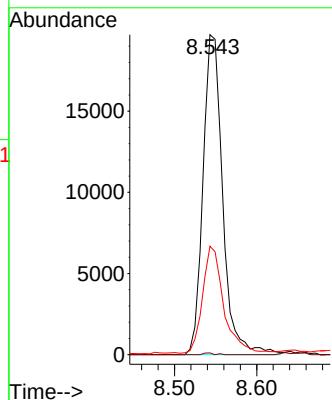
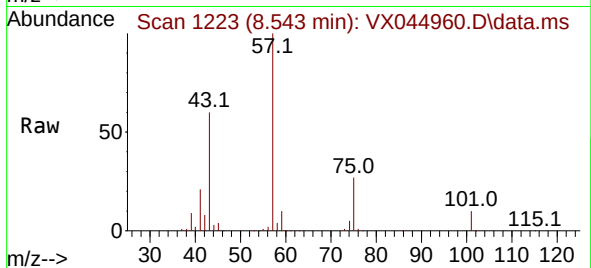




#54
cis-1,3-Dichloropropene
Concen: 17.471 ug/l
RT: 8.543 min Scan# 1193
Delta R.T. 0.183 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

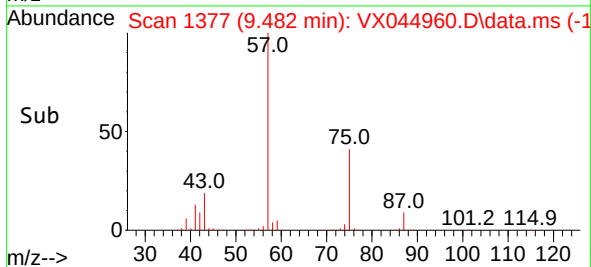
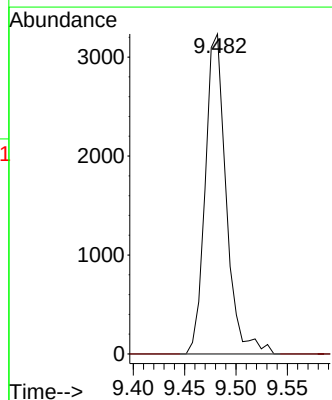
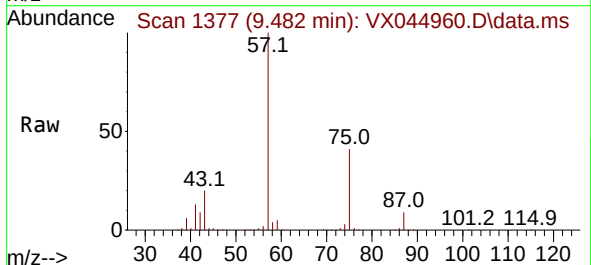
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

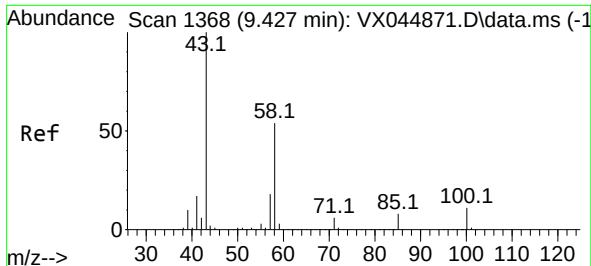
Tgt Ion: 75 Resp: 32781
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 33.5 40.0 60.0#



#57
1,3-Dichloropropane
Concen: 2.299 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 76 Resp: 4585
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

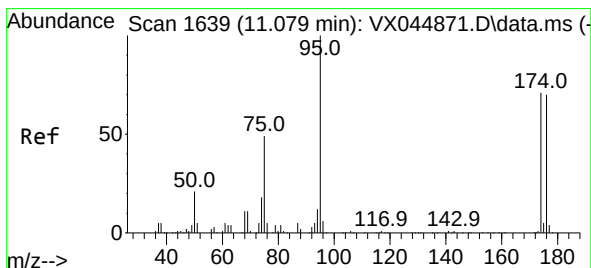
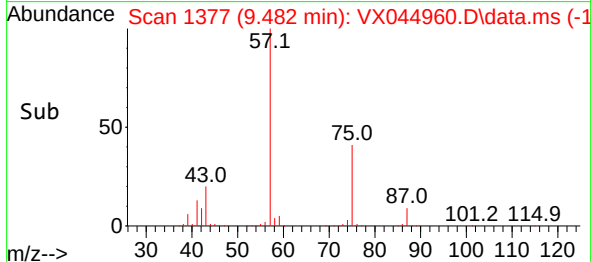
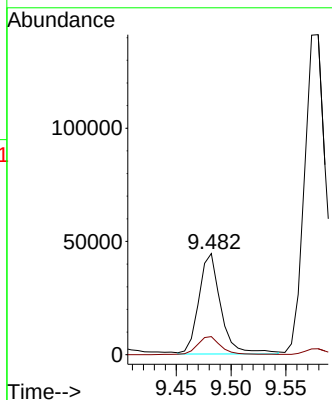
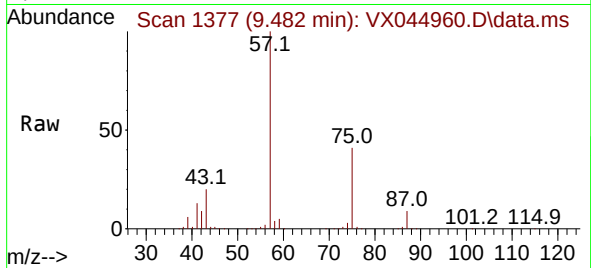




#59
2-Hexanone
Concen: 49.414 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

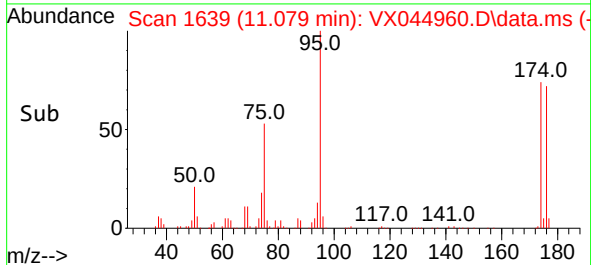
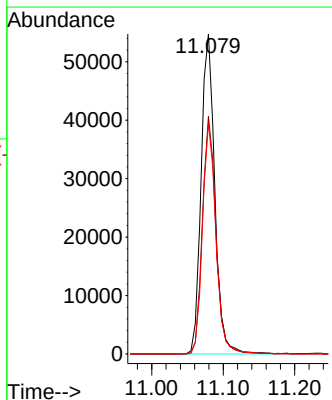
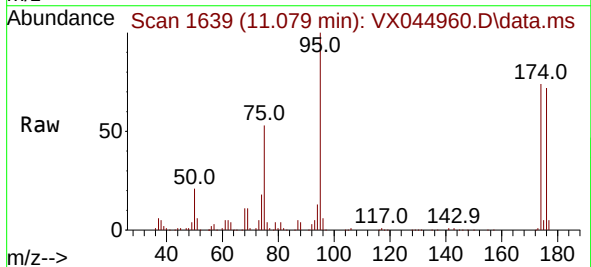
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

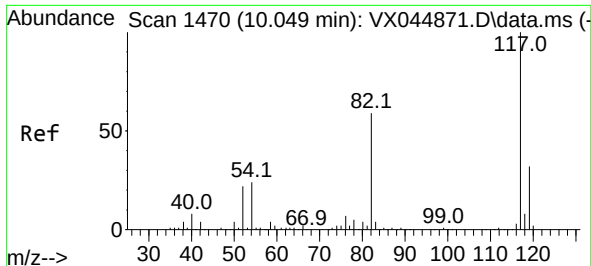
Tgt Ion: 43 Resp: 61975
Ion Ratio Lower Upper
43 100
58 19.7 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 51.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 95 Resp: 72775
Ion Ratio Lower Upper
95 100
174 73.7 0.0 142.6
176 70.6 0.0 141.6

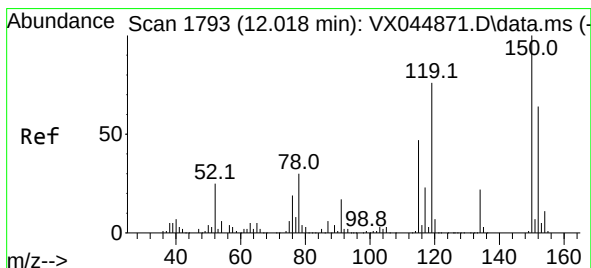
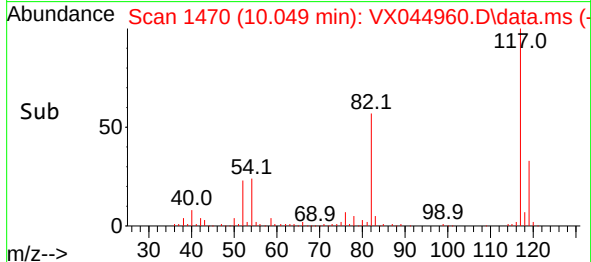
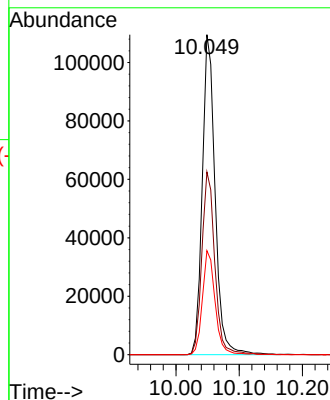
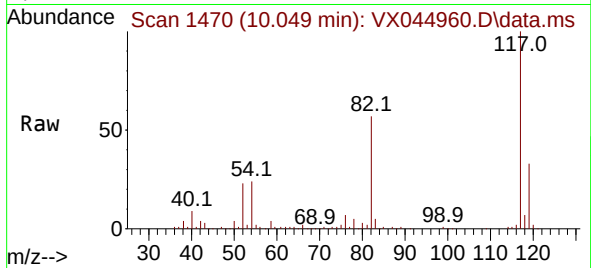




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

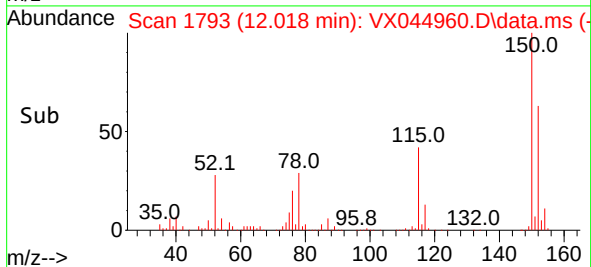
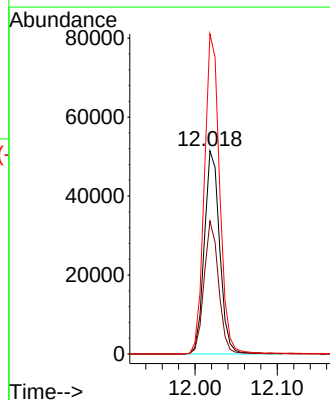
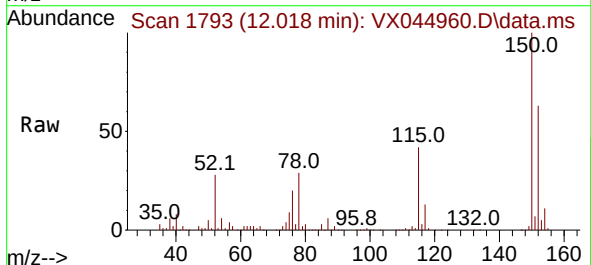
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

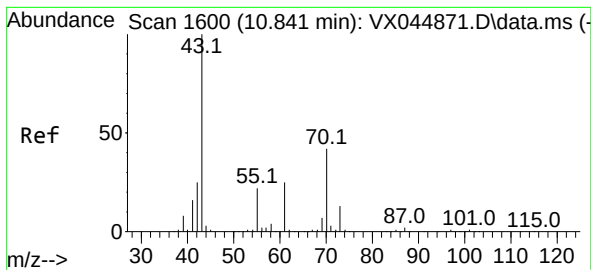
Tgt Ion:117 Resp: 154821
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion:152 Resp: 66540
Ion Ratio Lower Upper
152 100
115 62.3 43.4 130.1
150 157.5 0.0 350.4





#74

N-amy1 acetate

Concen: 0.244 ug/l

RT: 10.781 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025

Tgt Ion: 43 Resp: 591

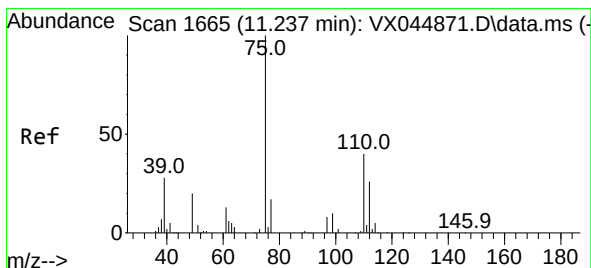
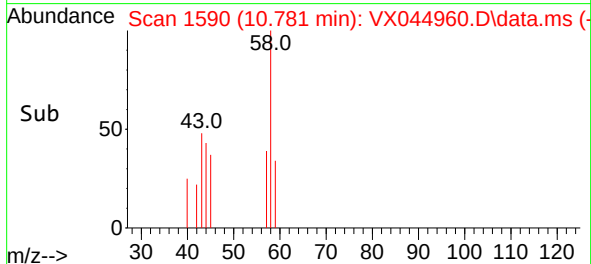
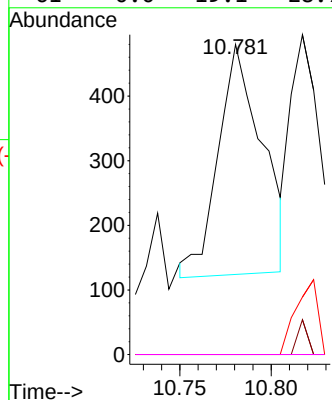
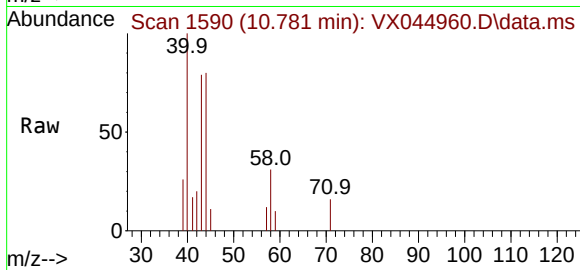
Ion Ratio Lower Upper

43 100

70 0.0 33.7 50.5#

55 0.0 18.6 27.8#

61 0.0 19.1 28.7#



#76

1,2,3-Trichloropropane

Concen: 26.083 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX044960.D

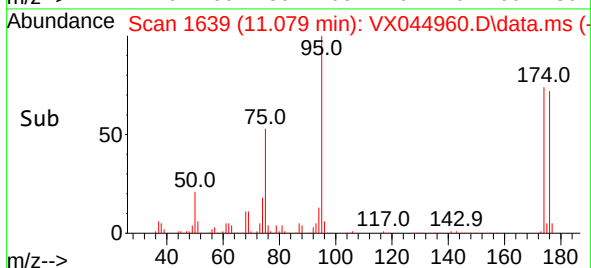
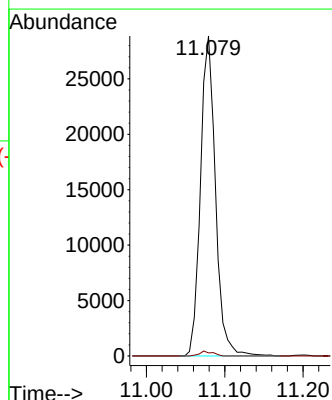
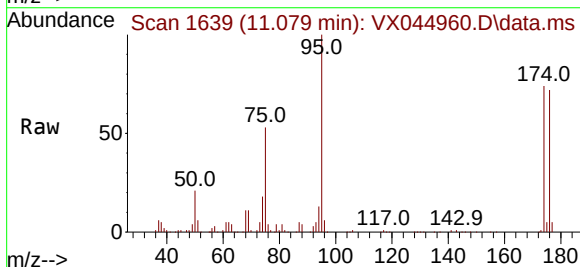
Acq: 14 Feb 2025 14:43

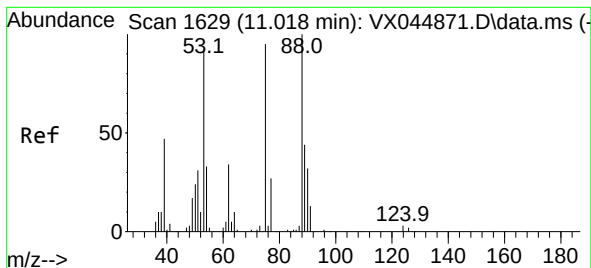
Tgt Ion: 75 Resp: 38480

Ion Ratio Lower Upper

75 100

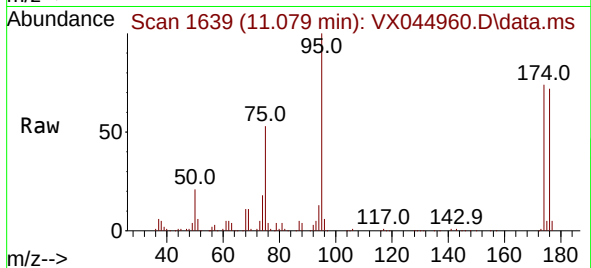
77 1.3 21.9 65.7#



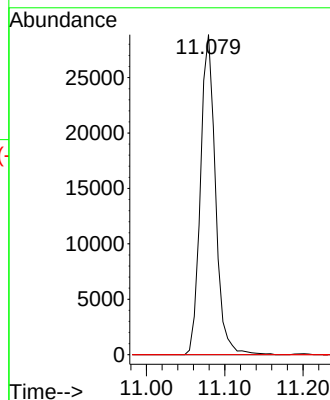
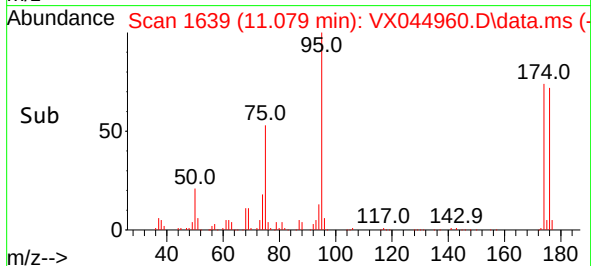


#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.095 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044960.D
 Acq: 14 Feb 2025 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-021025



Tgt Ion: 75 Resp: 38480
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 36.6 54.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044974.D
 Acq On : 14 Feb 2025 20:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 14 22:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	94445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	171556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65892	47.661	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.320%
35) Dibromofluoromethane	5.379	113	51627	46.286	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.580%
50) Toluene-d8	8.647	98	188654	44.728	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.460%
62) 4-Bromofluorobenzene	11.079	95	69901	49.160	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66679	50.338	ug/l	98
3) Chloromethane	1.307	50	79606	49.377	ug/l	100
4) Vinyl Chloride	1.374	62	74720	47.840	ug/l	98
5) Bromomethane	1.599	94	32471	69.475	ug/l	94
6) Chloroethane	1.678	64	44668	87.566	ug/l	99
7) Trichlorofluoromethane	1.880	101	104484	52.899	ug/l	97
8) Diethyl Ether	2.130	74	38138	53.242	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	58245	48.807	ug/l	98
10) Methyl Iodide	2.447	142	81938	52.978	ug/l	97
11) Tert butyl alcohol	2.959	59	81773	318.831	ug/l	98
12) 1,1-Dichloroethene	2.313	96	61347	50.395	ug/l	99
13) Acrolein	2.233	56	73377	277.291	ug/l	99
14) Allyl chloride	2.660	41	115796	52.634	ug/l	97
15) Acrylonitrile	3.056	53	198676	290.127	ug/l	98
16) Acetone	2.373	43	169746	305.420	ug/l	97
17) Carbon Disulfide	2.508	76	158094	47.360	ug/l	100
18) Methyl Acetate	2.697	43	102495	58.441	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	210056	54.234	ug/l	99
20) Methylene Chloride	2.782	84	70630	51.883	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	61493	51.325	ug/l	90
22) Diisopropyl ether	3.757	45	229760	55.202	ug/l	96
23) Vinyl Acetate	3.715	43	961165	283.261	ug/l	99
24) 1,1-Dichloroethane	3.605	63	124800	53.588	ug/l	97
25) 2-Butanone	4.550	43	272772	302.246	ug/l	97
26) 2,2-Dichloropropane	4.471	77	85229	46.148	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	75807	52.676	ug/l	99
28) Bromochloromethane	4.897	49	52159	46.604	ug/l	97
29) Tetrahydrofuran	4.995	42	178501	297.864	ug/l	97
30) Chloroform	5.086	83	122388	54.189	ug/l	99
31) Cyclohexane	5.464	56	104172	48.520	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	101932	53.209	ug/l	99
36) 1,1-Dichloropropene	5.690	75	82797	51.452	ug/l	100
37) Ethyl Acetate	4.708	43	101851	56.903	ug/l	100
38) Carbon Tetrachloride	5.672	117	83568	52.993	ug/l	97
39) Methylcyclohexane	7.379	83	102598	49.315	ug/l	99
40) Benzene	6.031	78	264712	52.680	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044974.D
 Acq On : 14 Feb 2025 20:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 14 22:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59791	62.407	ug/l	97
42) 1,2-Dichloroethane	6.080	62	91650	57.228	ug/l	98
43) Isopropyl Acetate	6.336	43	166844	57.723	ug/l	98
44) Trichloroethene	7.123	130	61670	53.693	ug/l	98
45) 1,2-Dichloropropane	7.427	63	68342	54.668	ug/l	98
46) Dibromomethane	7.580	93	48498	55.940	ug/l	100
47) Bromodichloromethane	7.818	83	96049	57.216	ug/l	98
48) Methyl methacrylate	7.690	41	82197	60.311	ug/l	97
49) 1,4-Dioxane	7.653	88	37326	1276.524	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	543106	309.071	ug/l	100
52) Toluene	8.714	92	159226	53.206	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	94505	55.632	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	103618	54.707	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	64087	55.708	ug/l	98
56) Ethyl methacrylate	9.116	69	106133	57.122	ug/l	96
57) 1,3-Dichloropropane	9.305	76	110929	55.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	246733	270.450	ug/l	100
59) 2-Hexanone	9.427	43	410543	324.260	ug/l	97
60) Dibromochloromethane	9.519	129	70306	57.145	ug/l	99
61) 1,2-Dibromoethane	9.604	107	65513	56.187	ug/l	100
64) Tetrachloroethene	9.269	164	49133	50.766	ug/l	98
65) Chlorobenzene	10.073	112	175110	53.124	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57633	54.322	ug/l	100
67) Ethyl Benzene	10.189	91	308662	53.064	ug/l	99
68) m/p-Xylenes	10.299	106	227422	105.988	ug/l	98
69) o-Xylene	10.640	106	112850	52.414	ug/l	98
70) Styrene	10.652	104	191380	55.172	ug/l	98
71) Bromoform	10.799	173	46331	58.514	ug/l #	98
73) Isopropylbenzene	10.957	105	289482	47.192	ug/l	100
74) N-amyl acetate	10.841	43	147969	53.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	103911	49.296	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	111926	66.264	ug/l	84
77) Bromobenzene	11.195	156	69109	49.693	ug/l	97
78) n-propylbenzene	11.299	91	347506	49.081	ug/l	100
79) 2-Chlorotoluene	11.360	91	207868	47.769	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	241259	48.466	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29650	45.155	ug/l	90
82) 4-Chlorotoluene	11.451	91	236705	49.168	ug/l	100
83) tert-Butylbenzene	11.713	119	245140	48.679	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	245839	50.037	ug/l	99
85) sec-Butylbenzene	11.890	105	308918	49.539	ug/l	99
86) p-Isopropyltoluene	12.006	119	254468	50.744	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	128049	50.069	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	128451	49.676	ug/l	99
89) n-Butylbenzene	12.329	91	245173	55.263	ug/l	99
90) Hexachloroethane	12.536	117	44714	47.620	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	127878	50.877	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21727	56.476	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	81980	53.901	ug/l	100
94) Hexachlorobutadiene	13.719	225	31681	52.471	ug/l	98
95) Naphthalene	13.774	128	293624	53.406	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	80402	52.463	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

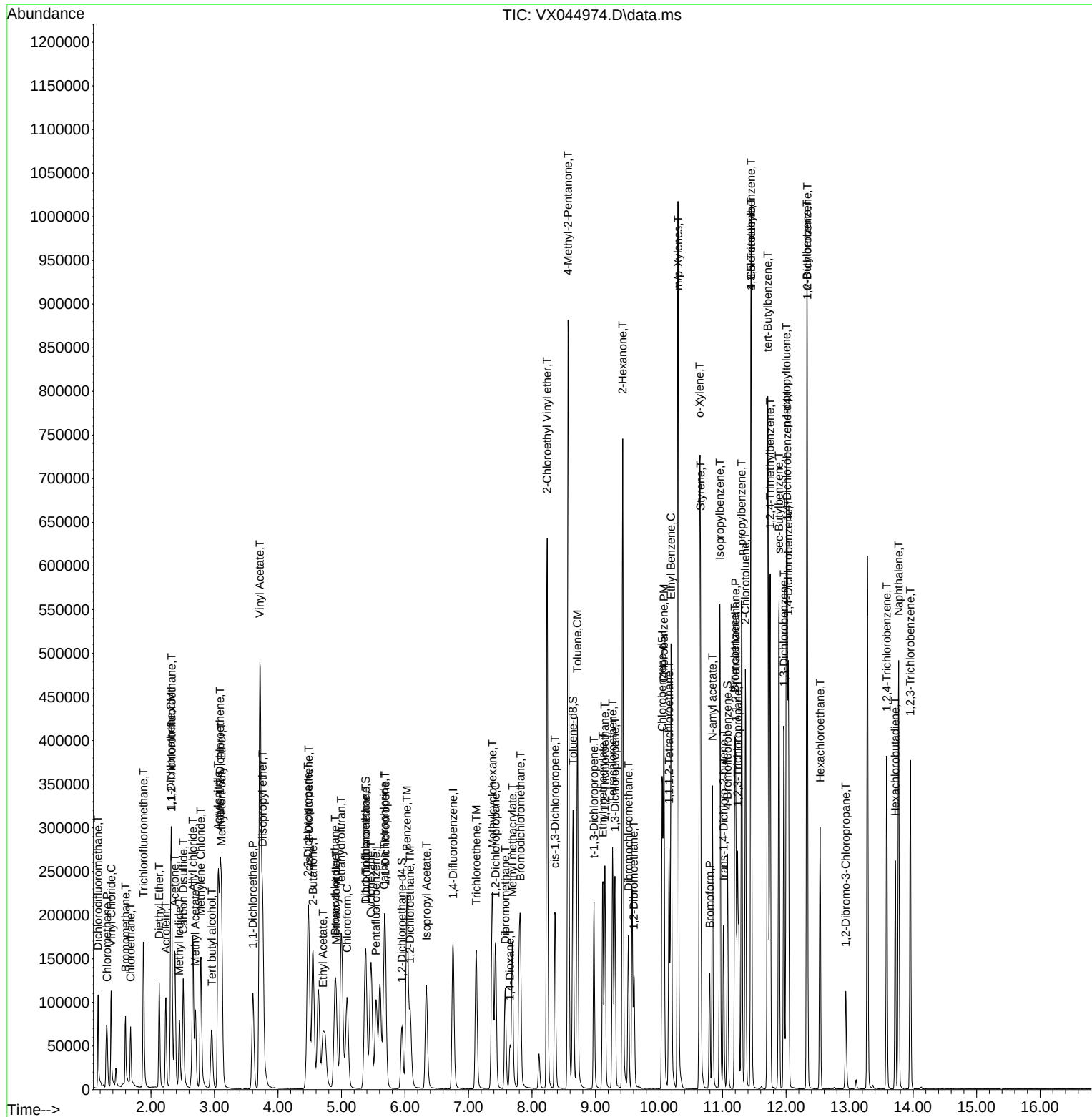
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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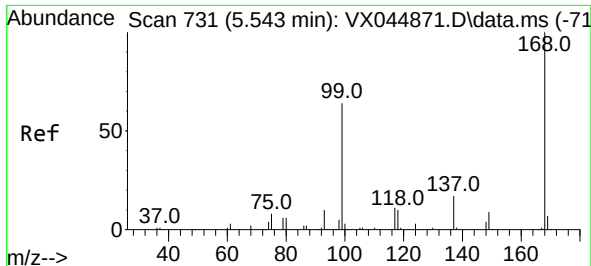
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044974.D
Acq On : 14 Feb 2025 20:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 14 22:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

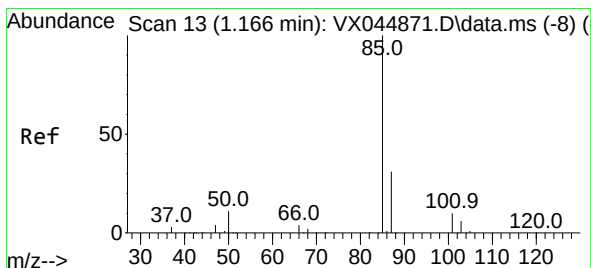
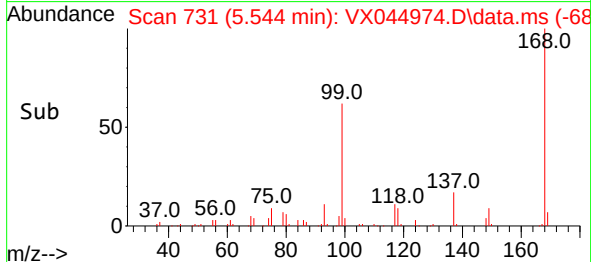
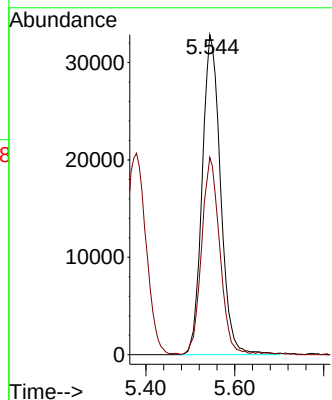
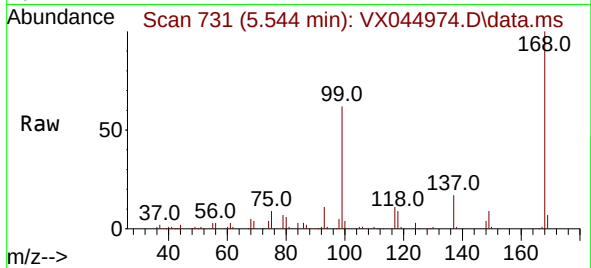




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

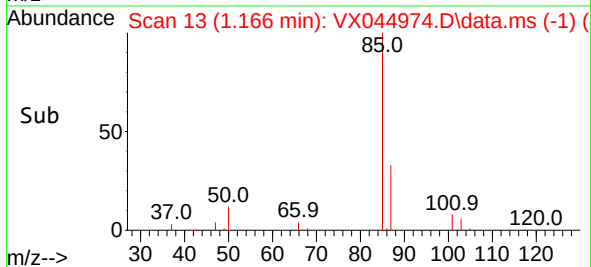
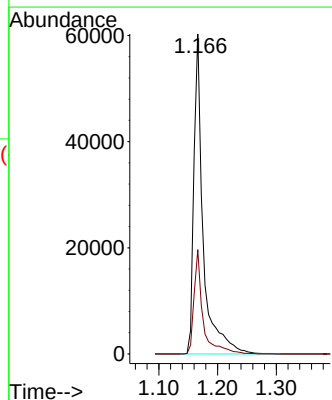
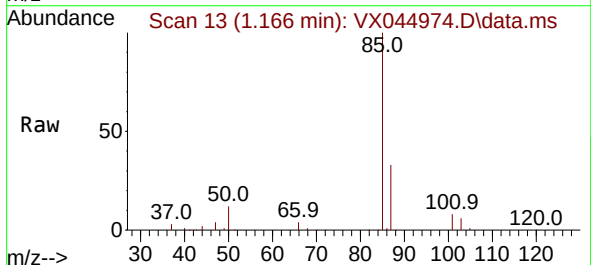
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

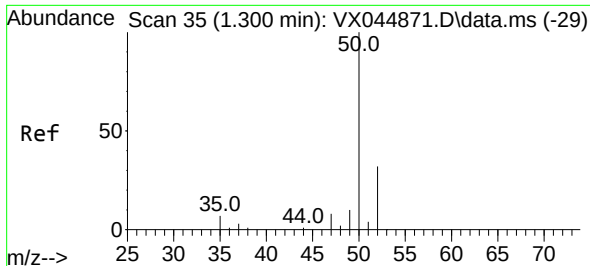
Tgt Ion:168 Resp: 94445
Ion Ratio Lower Upper
168 100
99 61.5 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 50.338 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 85 Resp: 66679
Ion Ratio Lower Upper
85 100
87 32.6 15.8 47.3

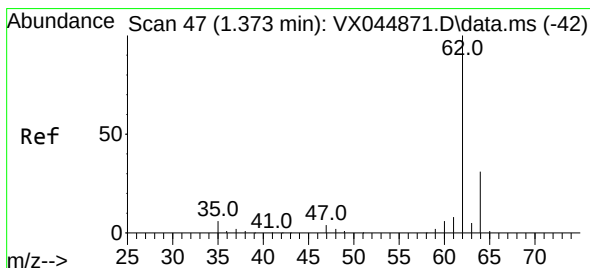
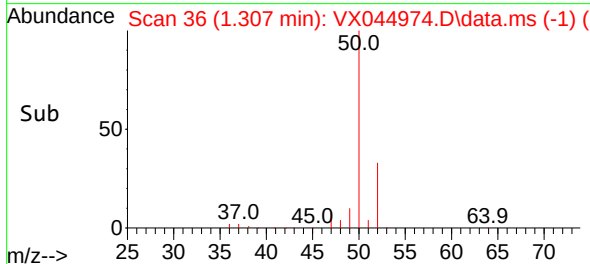
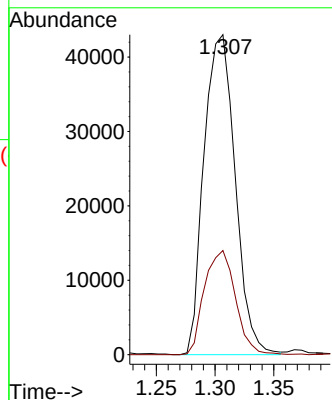
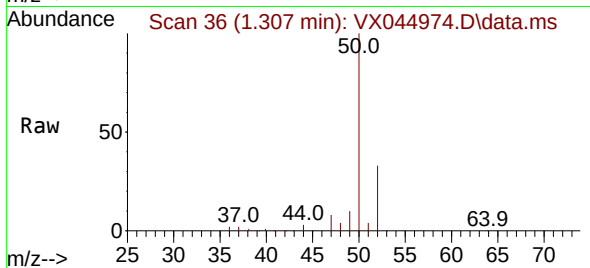




#3
Chloromethane
Concen: 49.377 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

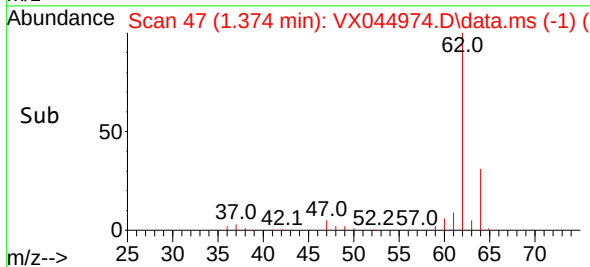
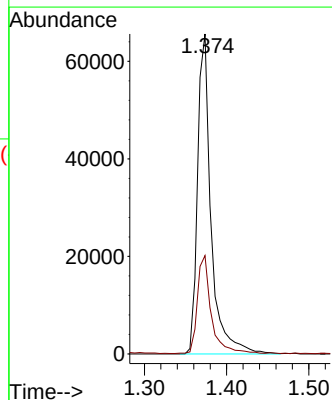
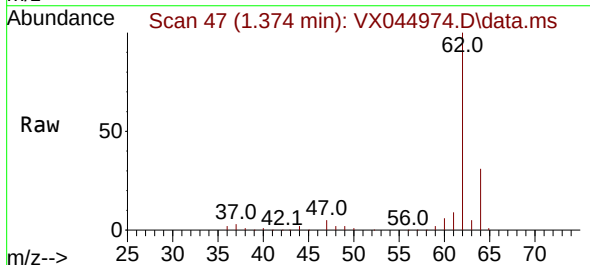
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

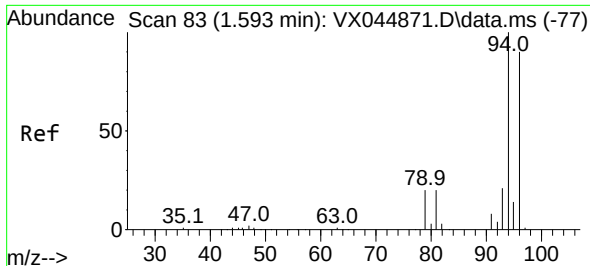
Tgt Ion: 50 Resp: 79606
Ion Ratio Lower Upper
50 100
52 32.5 25.9 38.9



#4
Vinyl Chloride
Concen: 47.840 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 62 Resp: 74720
Ion Ratio Lower Upper
62 100
64 30.6 25.4 38.0

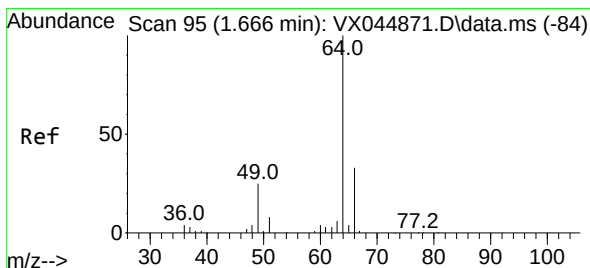
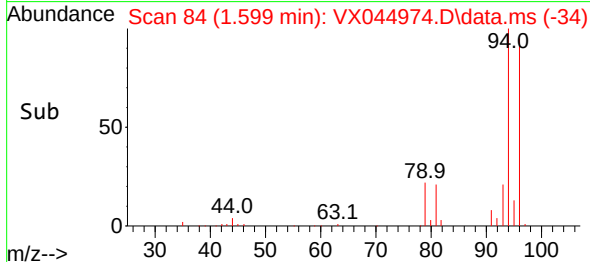
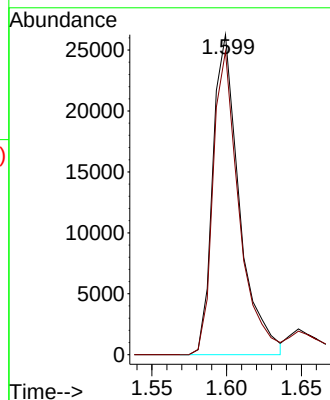
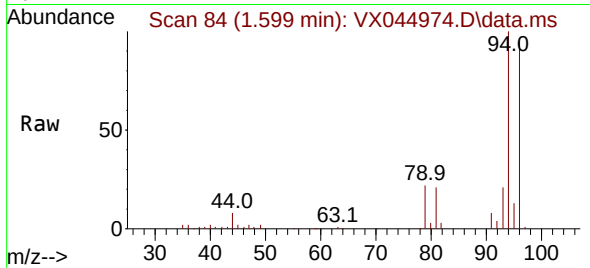




#5
Bromomethane
Concen: 69.475 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

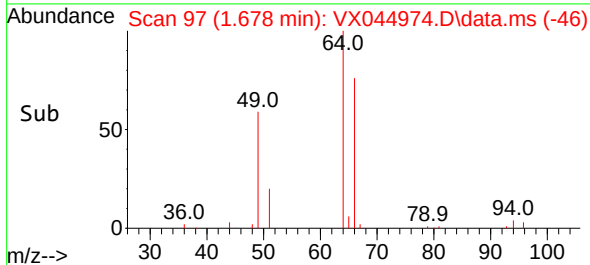
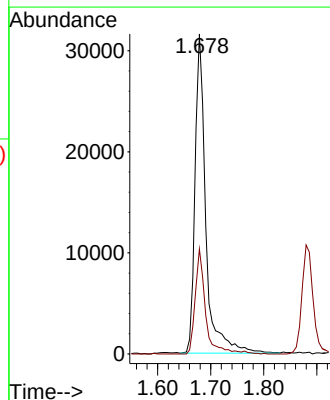
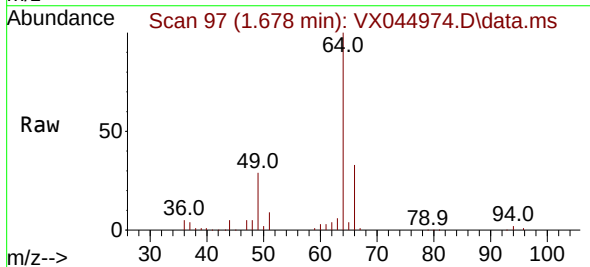
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

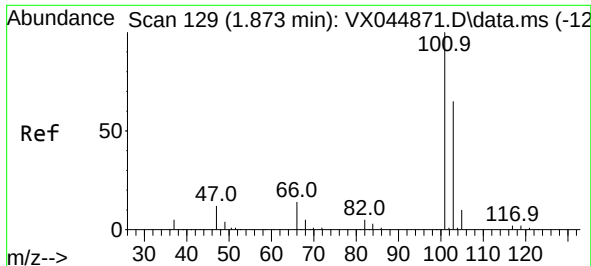
Tgt Ion: 94 Resp: 32471
Ion Ratio Lower Upper
94 100
96 94.8 71.6 107.4



#6
Chloroethane
Concen: 87.566 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 64 Resp: 44668
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

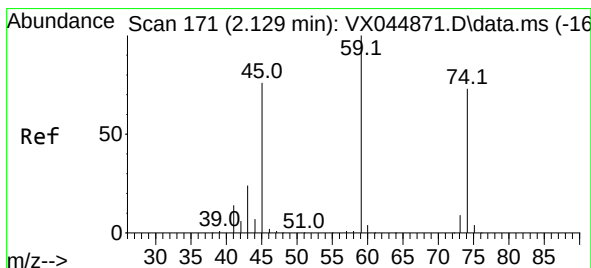
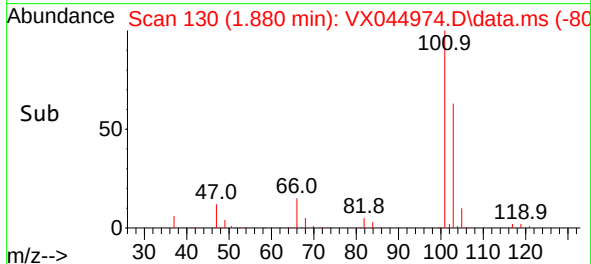
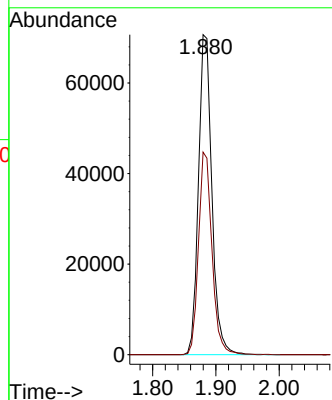
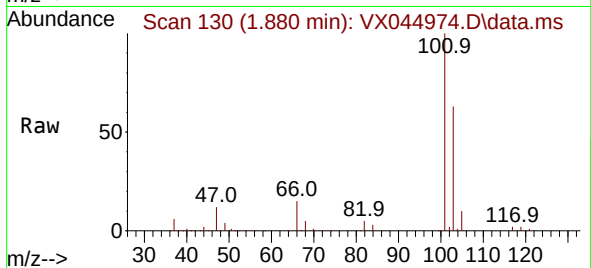




#7
Trichlorofluoromethane
Concen: 52.899 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

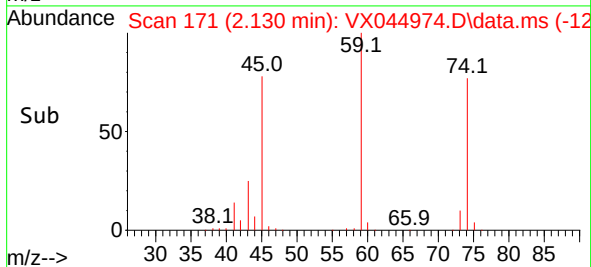
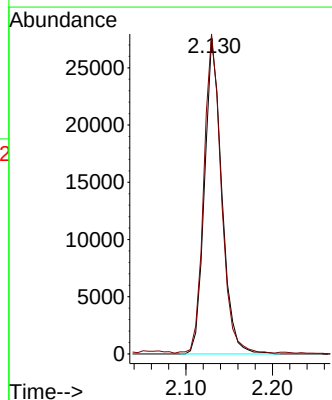
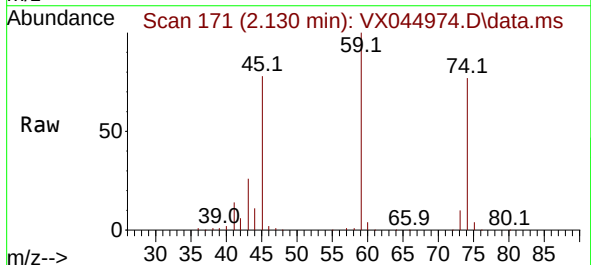
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

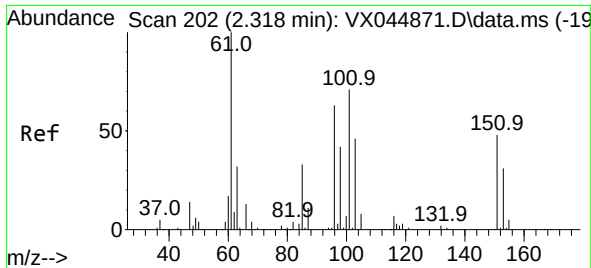
Tgt Ion:101 Resp: 104484
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6



#8
Diethyl Ether
Concen: 53.242 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 74 Resp: 38138
Ion Ratio Lower Upper
74 100
45 102.0 51.1 153.4

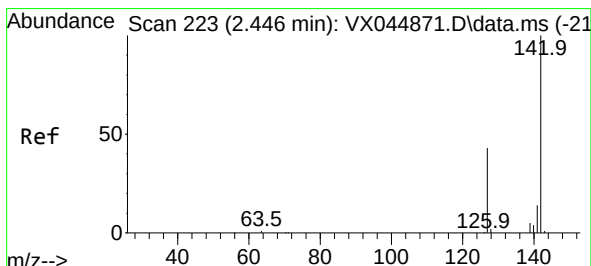
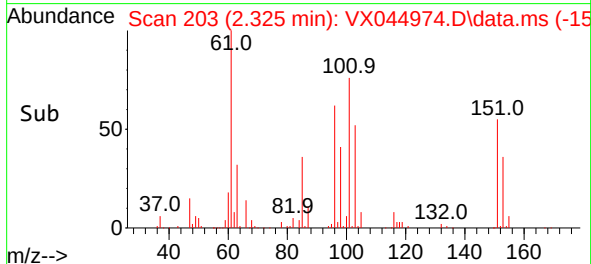
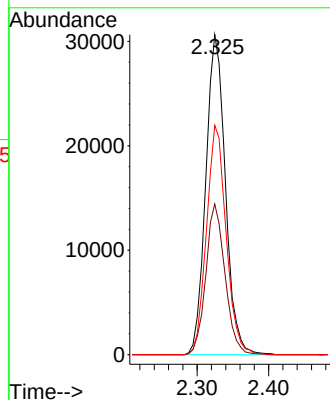
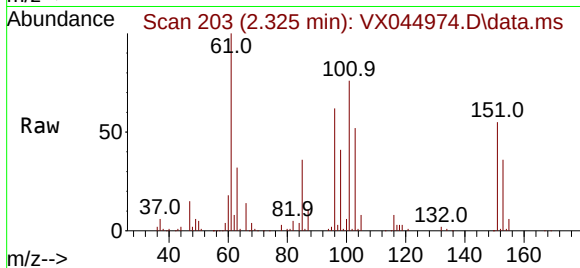




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.807 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

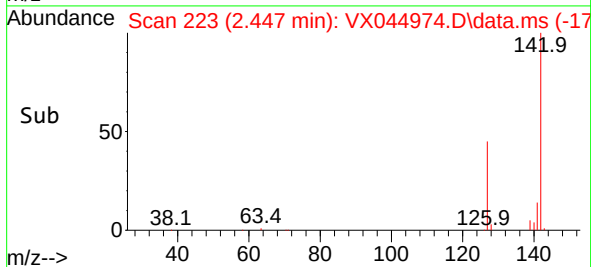
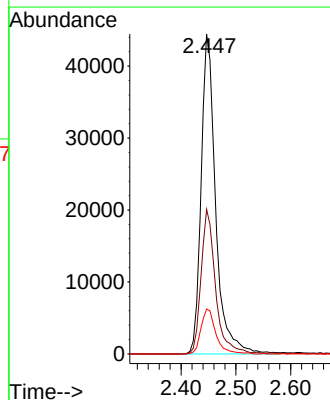
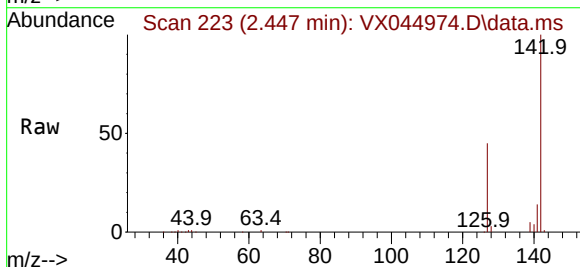
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

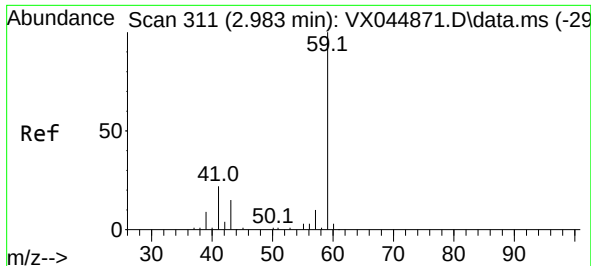
Tgt Ion:	101	Resp:	58245
Ion Ratio	Lower	Upper	
101	100		
85	46.3	35.7	53.5
151	71.9	56.0	84.0



#10
Methyl Iodide
Concen: 52.978 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:	142	Resp:	81938
Ion Ratio	Lower	Upper	
142	100		
127	45.0	34.3	51.5
141	14.5	11.4	17.2

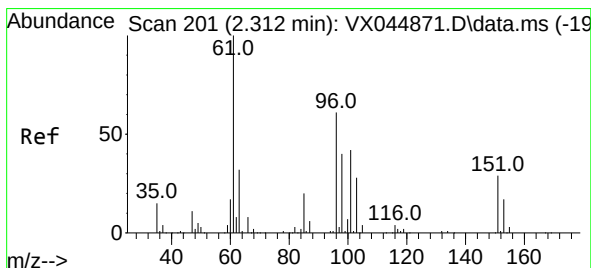
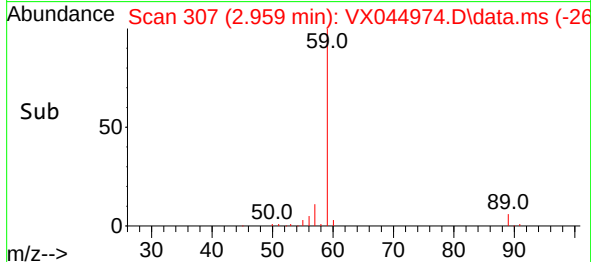
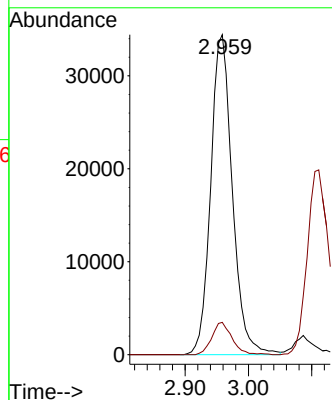
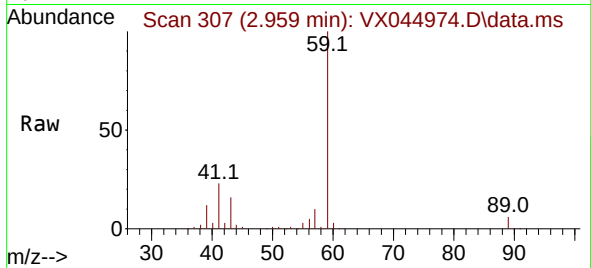




#11
Tert butyl alcohol
Concen: 318.831 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

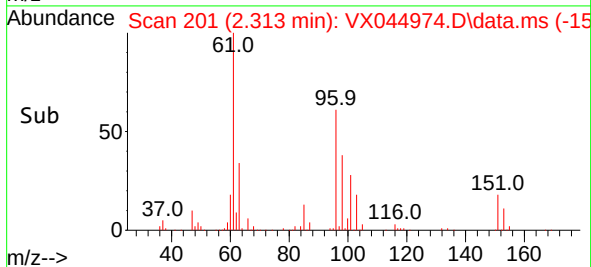
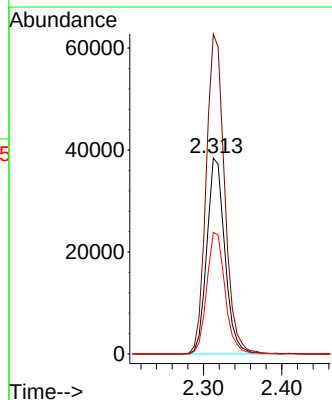
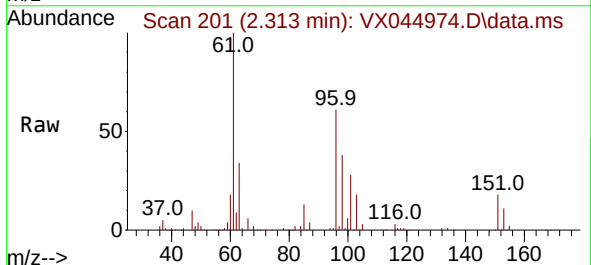
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

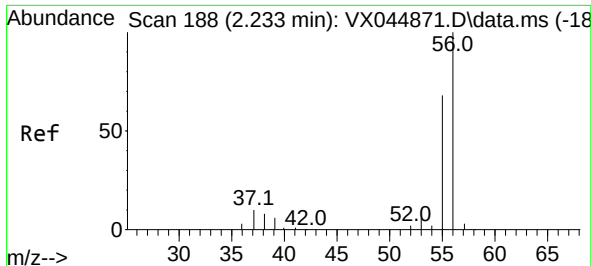
Tgt Ion: 59 Resp: 81773
Ion Ratio Lower Upper
59 100
57 9.5 8.1 12.1



#12
1,1-Dichloroethene
Concen: 50.395 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 96 Resp: 61347
Ion Ratio Lower Upper
96 100
61 163.3 130.2 195.4
98 62.1 52.2 78.4

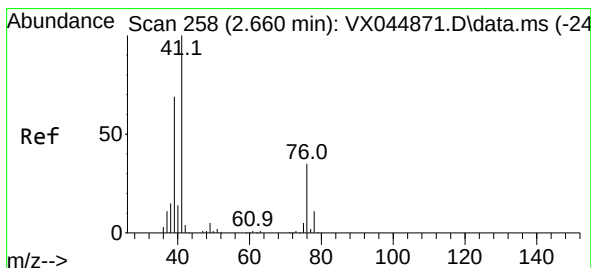
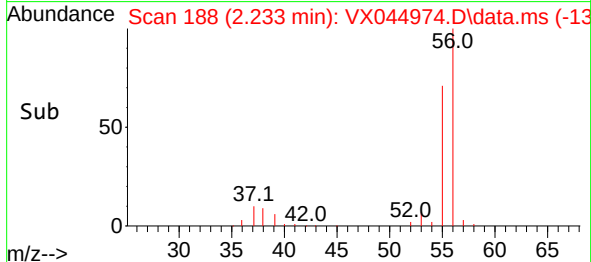
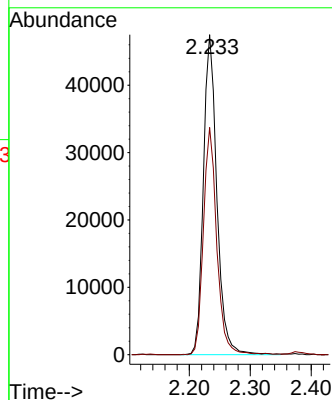
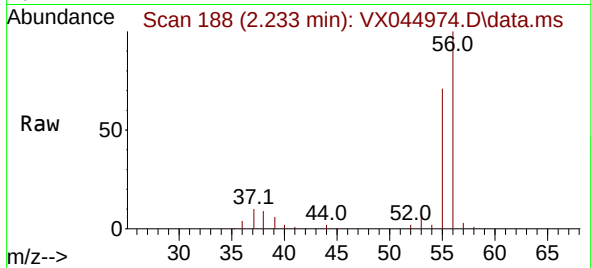




#13
Acrolein
Concen: 277.291 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

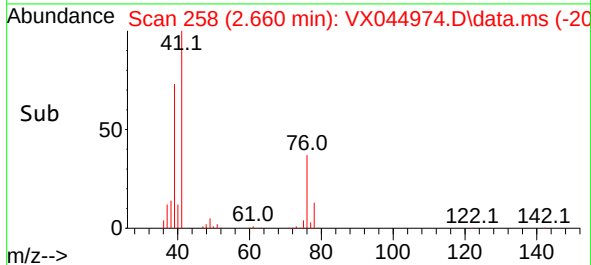
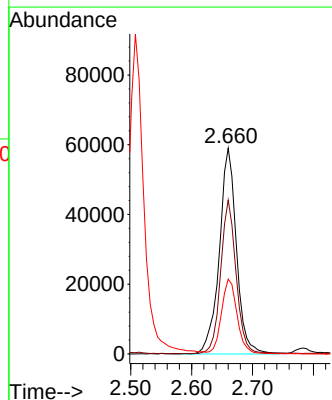
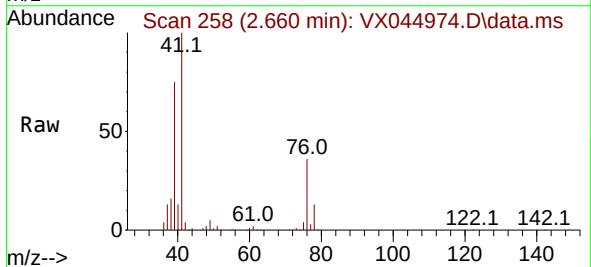
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

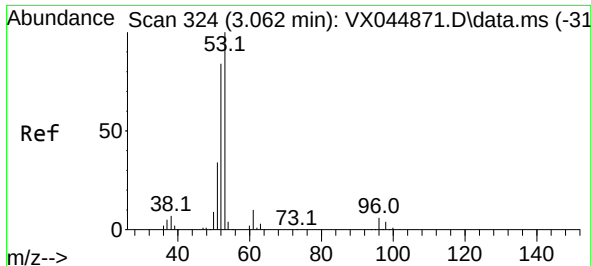
Tgt Ion: 56 Resp: 73377
Ion Ratio Lower Upper
56 100
55 70.1 55.7 83.5



#14
Allyl chloride
Concen: 52.634 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 41 Resp: 115796
Ion Ratio Lower Upper
41 100
39 66.7 51.4 77.2
76 32.8 27.0 40.4

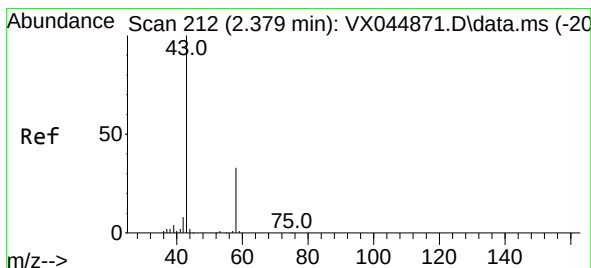
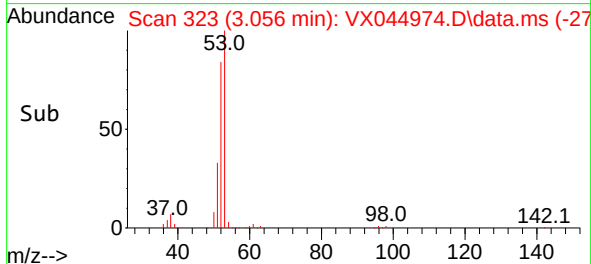
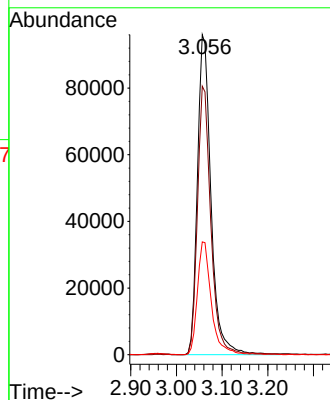
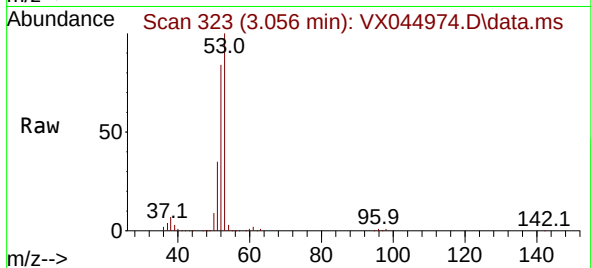




#15
Acrylonitrile
Concen: 290.127 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

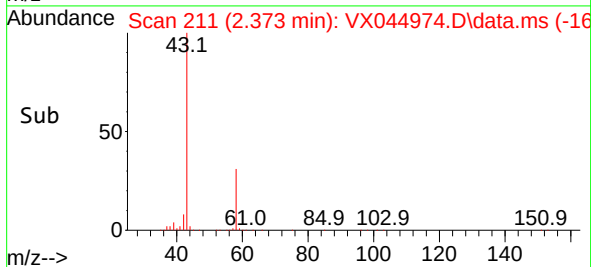
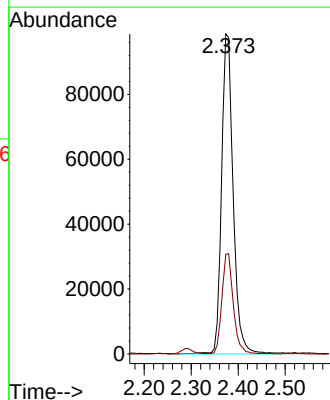
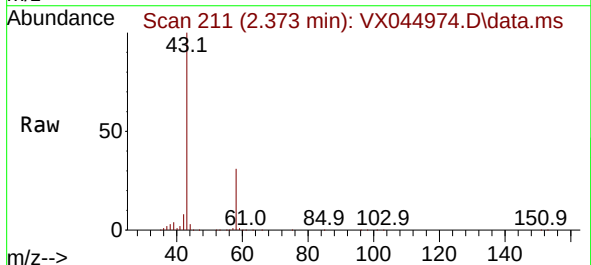
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

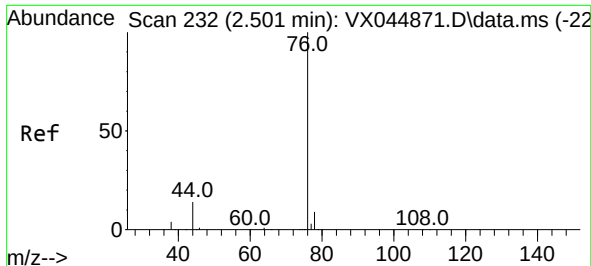
Tgt Ion: 53 Resp: 198676
Ion Ratio Lower Upper
53 100
52 82.5 65.0 97.6
51 36.2 28.0 42.0



#16
Acetone
Concen: 305.420 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 43 Resp: 169746
Ion Ratio Lower Upper
43 100
58 31.2 26.5 39.7

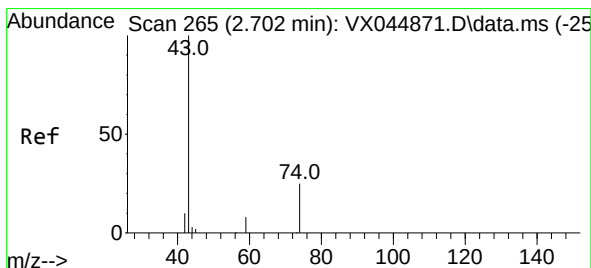
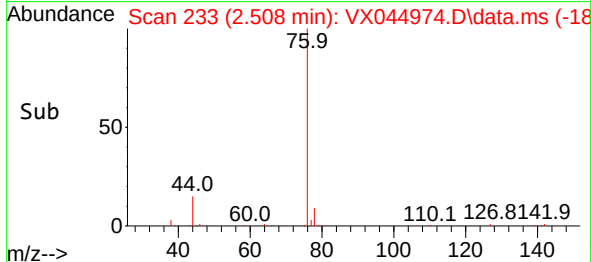
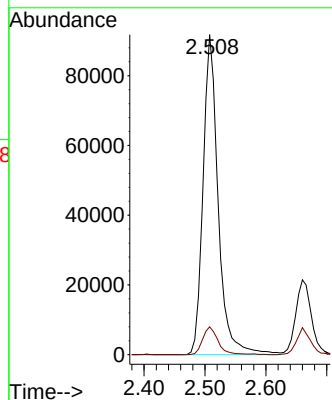
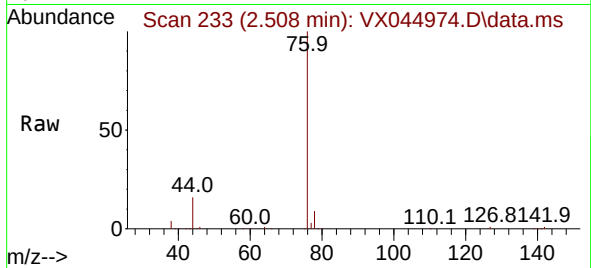




#17
Carbon Disulfide
Concen: 47.360 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

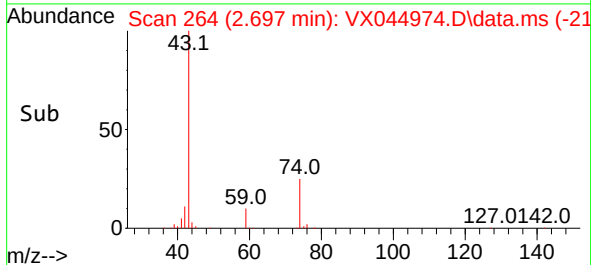
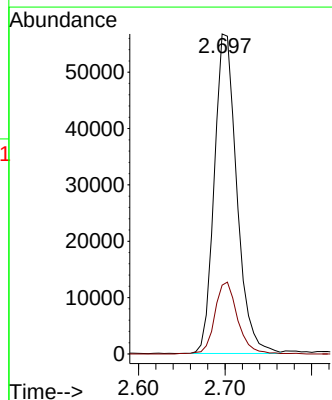
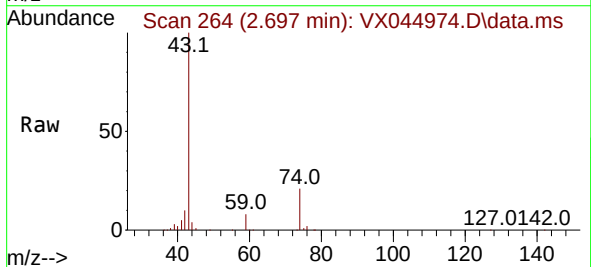
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

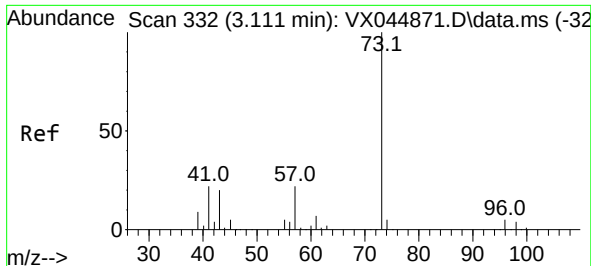
Tgt Ion: 76 Resp: 158094
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 58.441 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 43 Resp: 102495
Ion Ratio Lower Upper
43 100
74 22.7 18.9 28.3

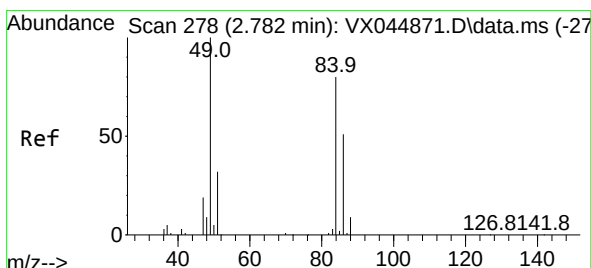
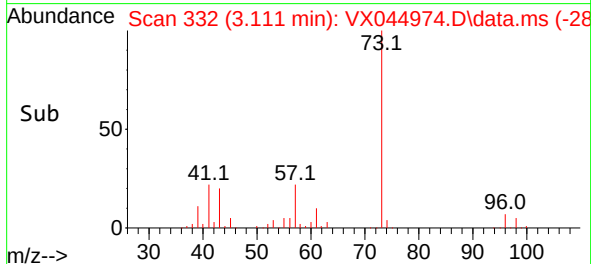
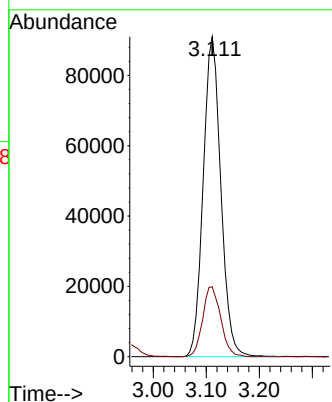
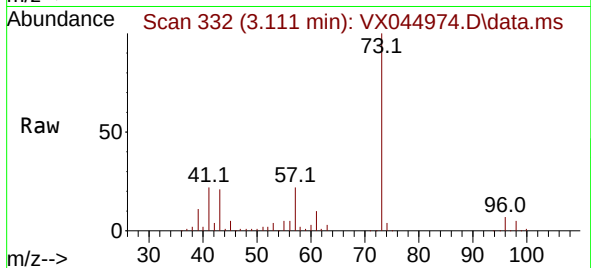




#19
Methyl tert-butyl Ether
Concen: 54.234 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

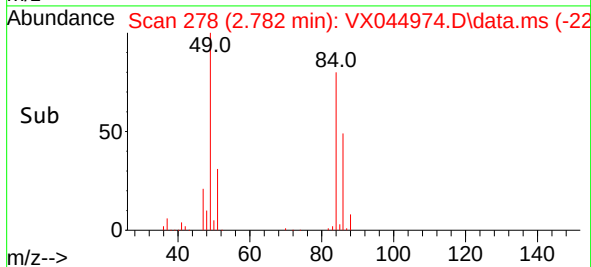
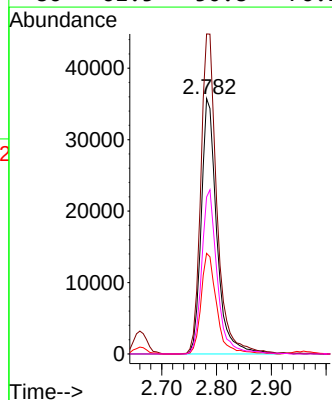
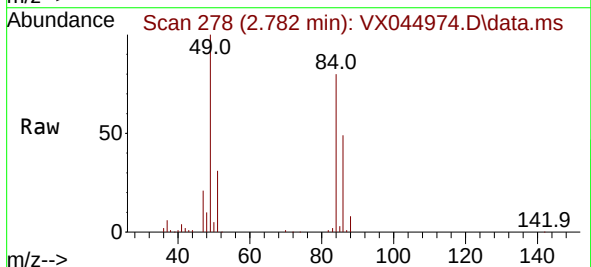
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

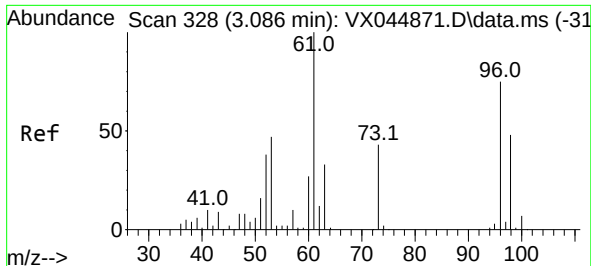
Tgt Ion: 73 Resp: 210056
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9



#20
Methylene Chloride
Concen: 51.883 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 84 Resp: 70630
Ion Ratio Lower Upper
84 100
49 125.3 100.1 150.1
51 39.4 31.7 47.5
86 61.5 50.8 76.2

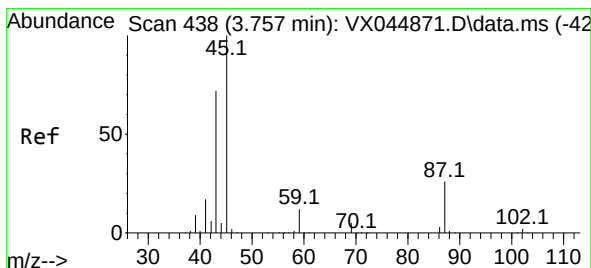
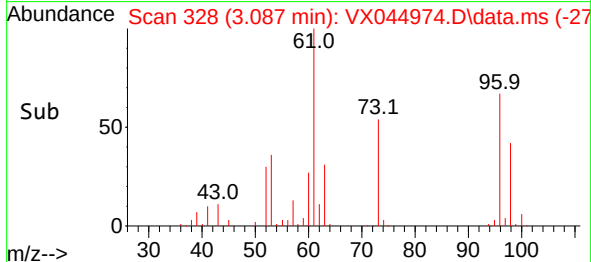
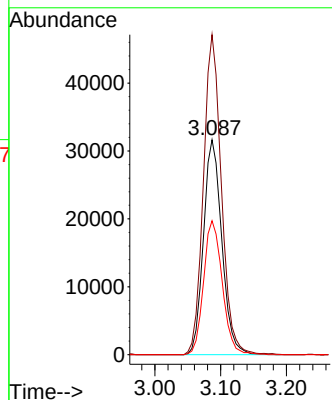
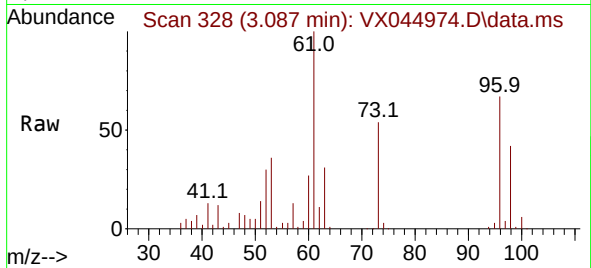




#21
trans-1,2-Dichloroethene
Concen: 51.325 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

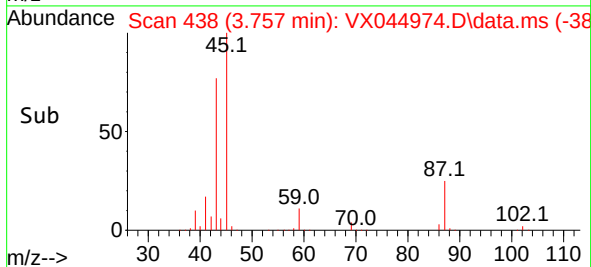
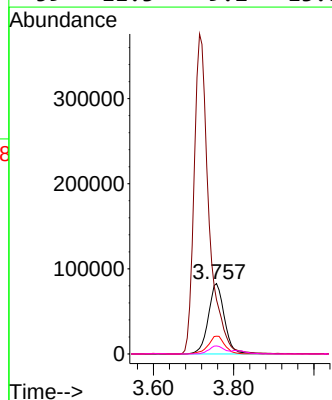
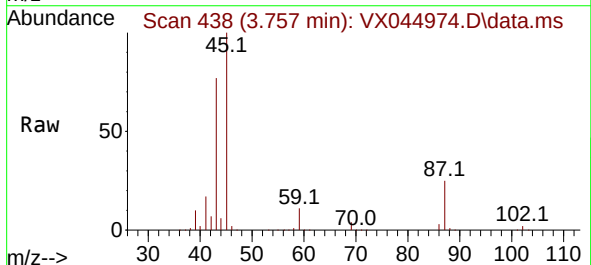
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

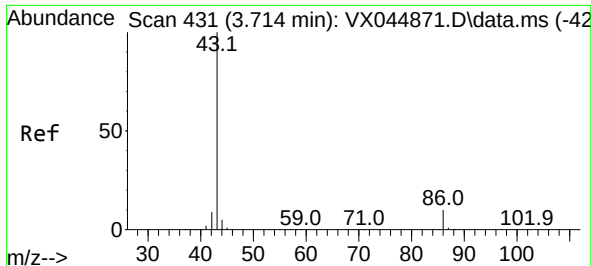
Tgt Ion: 96 Resp: 61493
Ion Ratio Lower Upper
96 100
61 149.0 106.0 159.0
98 62.3 50.6 76.0



#22
Diisopropyl ether
Concen: 55.202 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 45 Resp: 229760
Ion Ratio Lower Upper
45 100
43 76.6 58.0 87.0
87 25.1 20.7 31.1
59 11.3 9.2 13.8

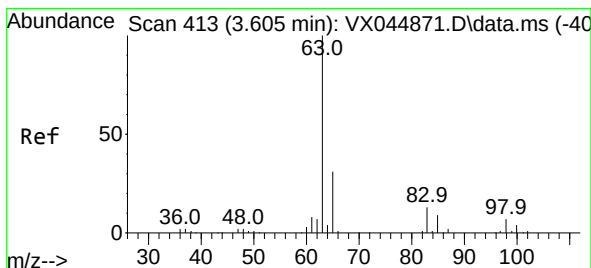
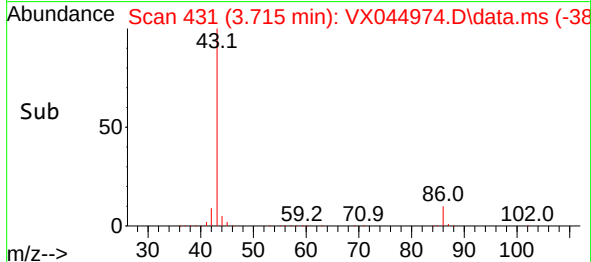
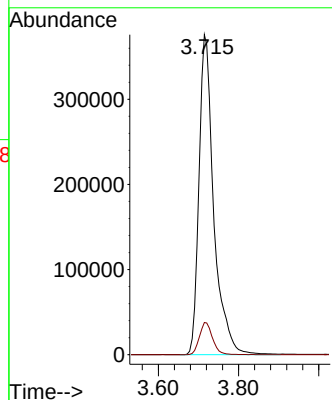
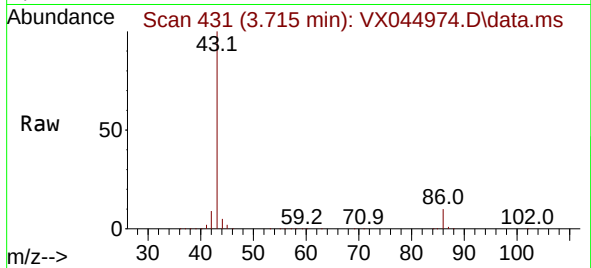




#23
 Vinyl Acetate
 Concen: 283.261 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044974.D
 Acq: 14 Feb 2025 20:06

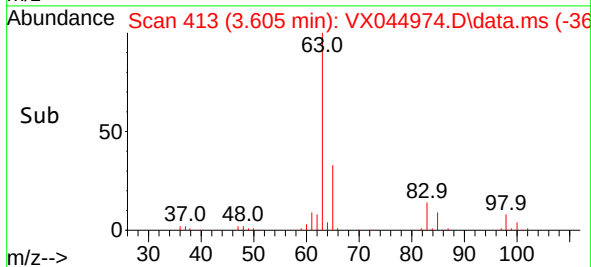
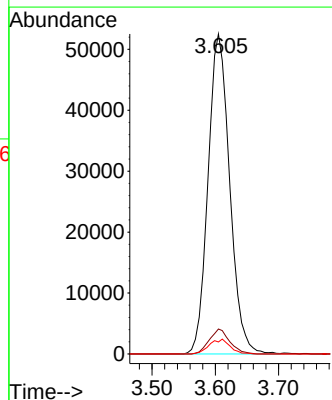
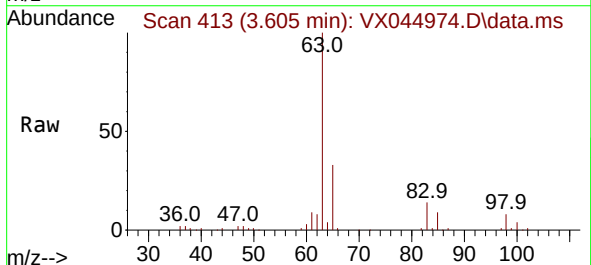
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

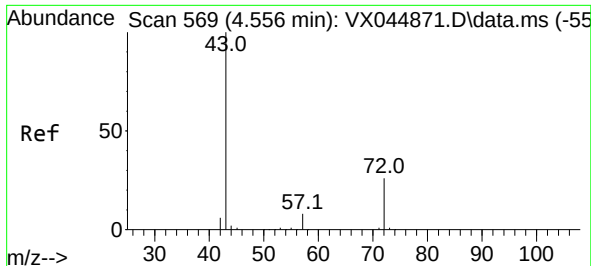
Tgt Ion: 43 Resp: 961165
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 53.588 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044974.D
 Acq: 14 Feb 2025 20:06

Tgt Ion: 63 Resp: 124800
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.3 9.9
 100 3.7 2.1 6.5





#25

2-Butanone

Concen: 302.246 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

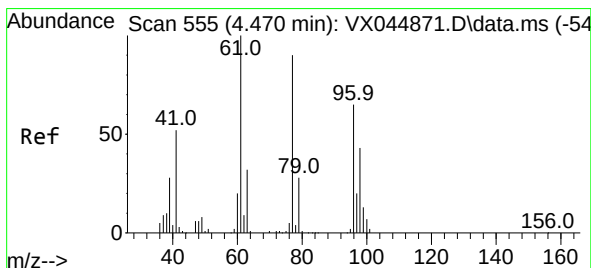
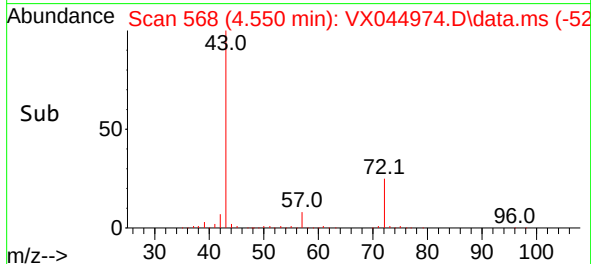
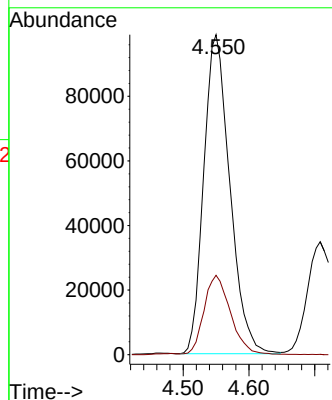
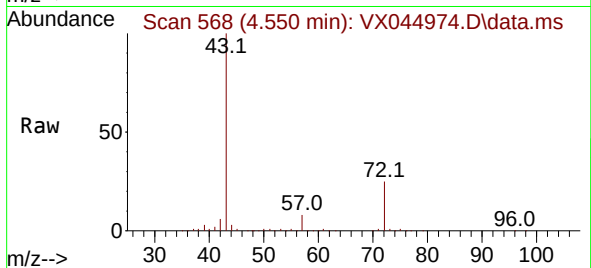
VSTDCCC050EC

Tgt Ion: 43 Resp: 272772

Ion Ratio Lower Upper

43 100

72 24.7 21.2 31.8



#26

2,2-Dichloropropane

Concen: 46.148 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044974.D

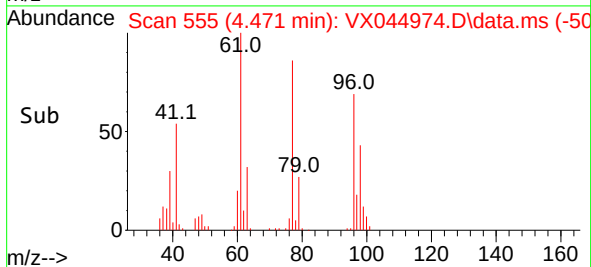
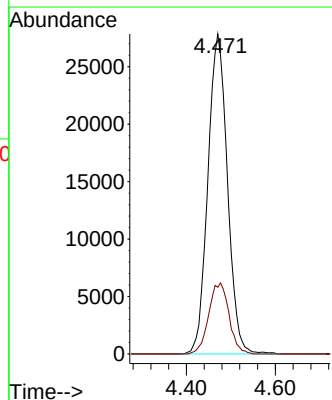
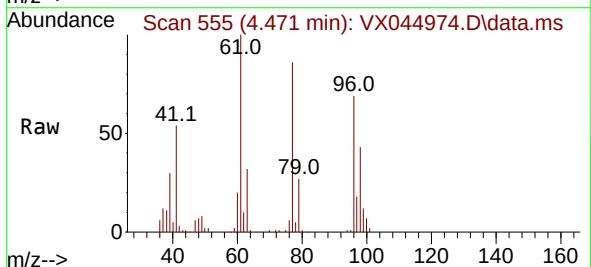
Acq: 14 Feb 2025 20:06

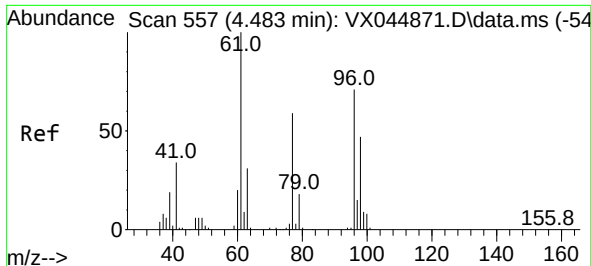
Tgt Ion: 77 Resp: 85229

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 52.676 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

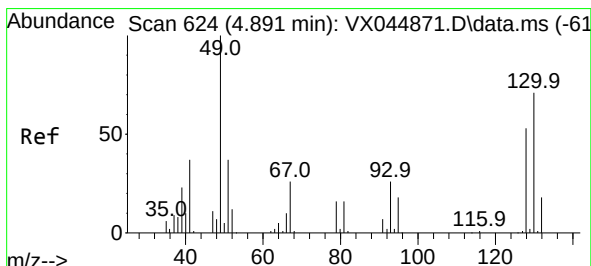
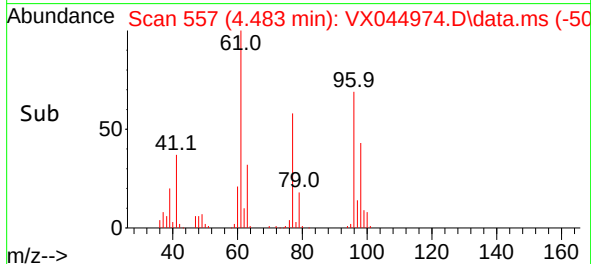
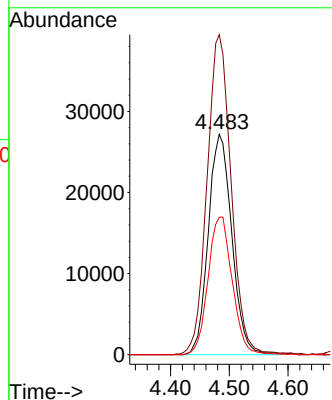
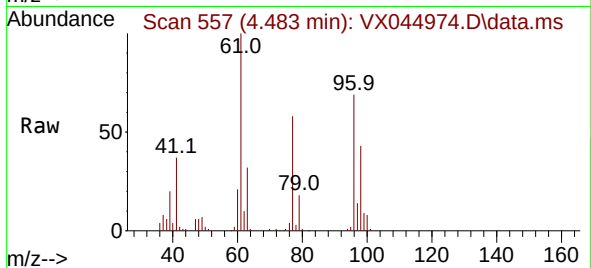
Tgt Ion: 96 Resp: 75807

Ion Ratio Lower Upper

96 100

61 148.6 0.0 294.0

98 64.0 0.0 131.2



#28

Bromochloromethane

Concen: 46.604 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

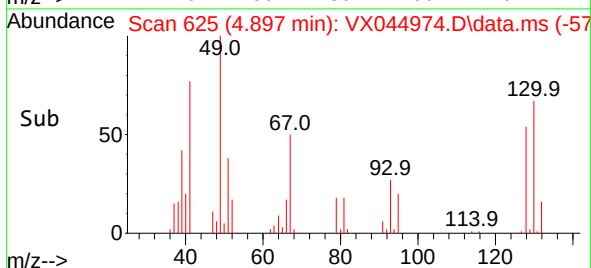
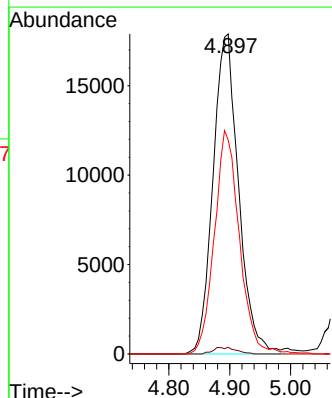
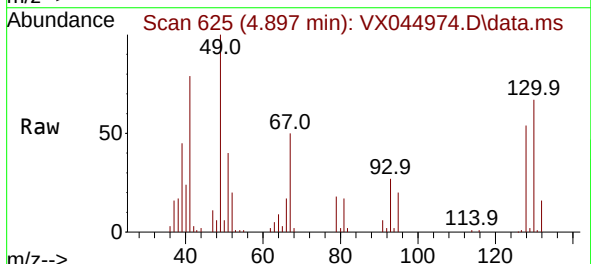
Tgt Ion: 49 Resp: 52159

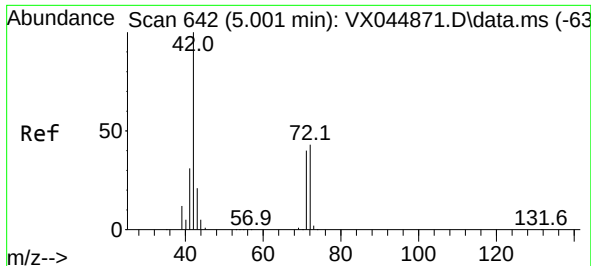
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 68.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 297.864 ug/l

RT: 4.995 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

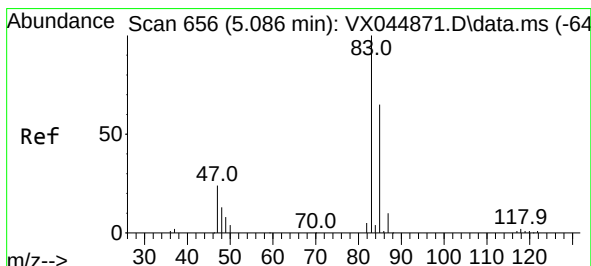
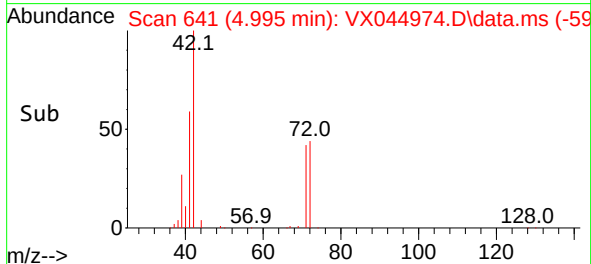
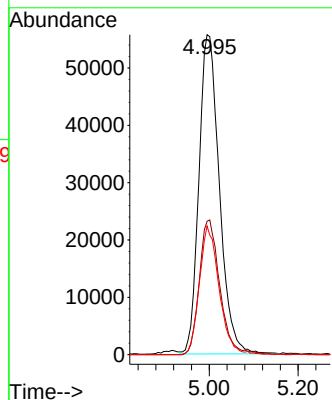
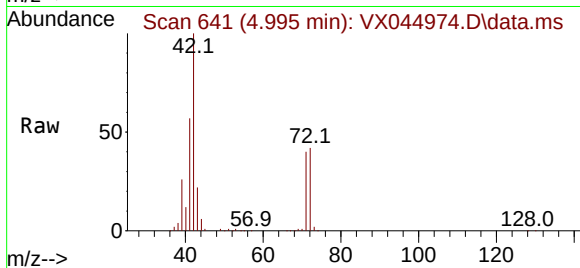
Tgt Ion: 42 Resp: 178501

Ion Ratio Lower Upper

42 100

72 42.4 35.0 52.4

71 38.8 32.6 48.8



#30

Chloroform

Concen: 54.189 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044974.D

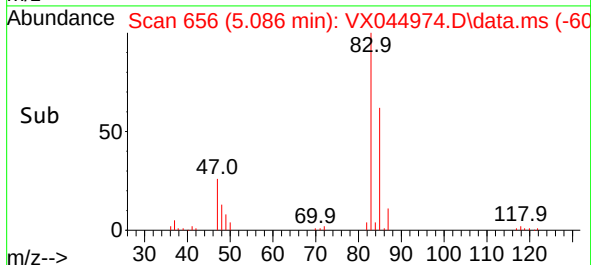
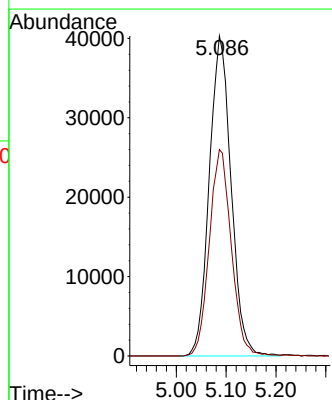
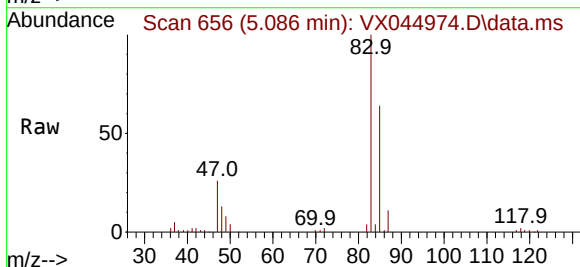
Acq: 14 Feb 2025 20:06

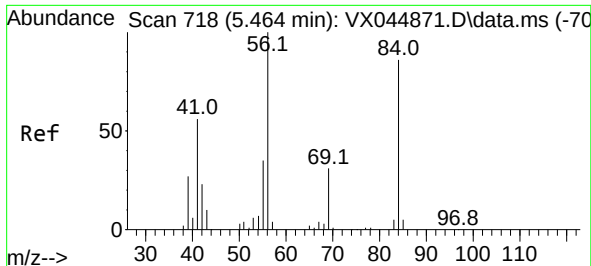
Tgt Ion: 83 Resp: 122388

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1

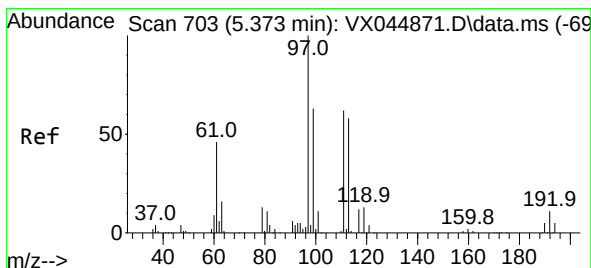
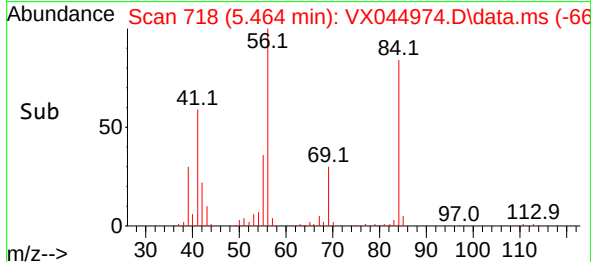
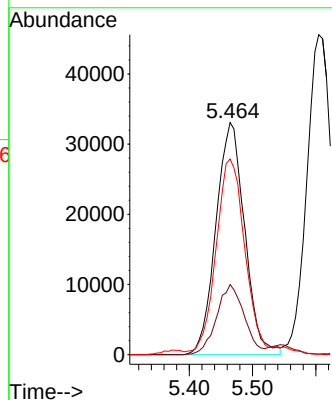
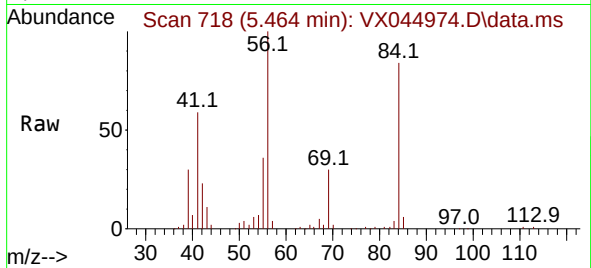




#31
Cyclohexane
Concen: 48.520 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

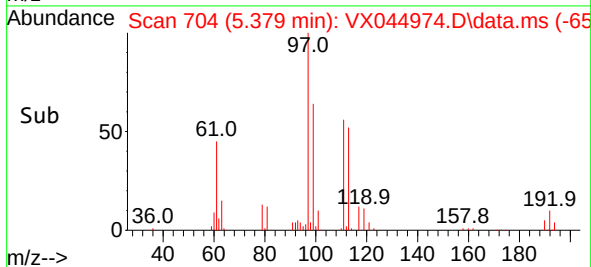
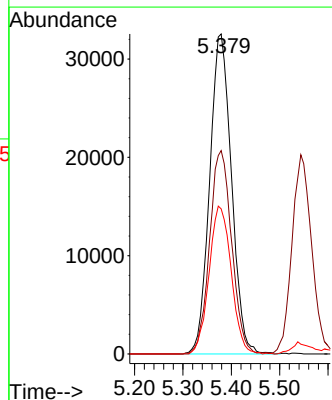
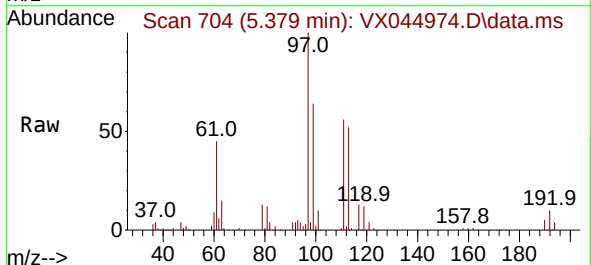
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

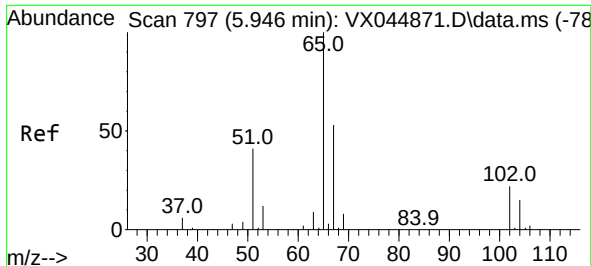
Tgt Ion:	56	Resp:	104172
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.4	36.6
84	82.5	69.0	103.6



#32
1,1,1-Trichloroethane
Concen: 53.209 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:	97	Resp:	101932
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	46.9	36.6	55.0

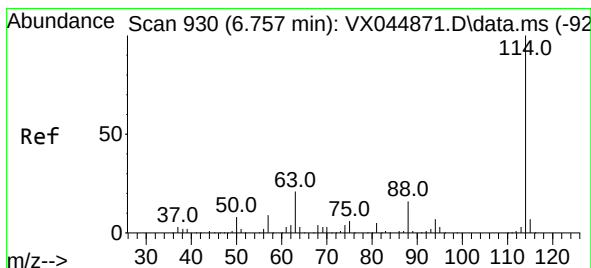
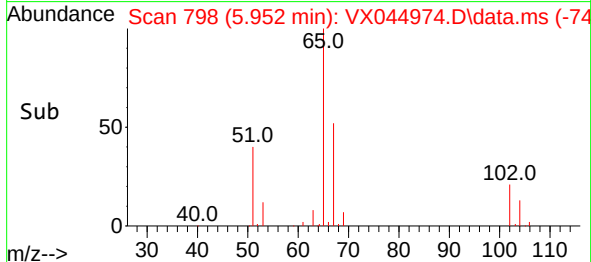
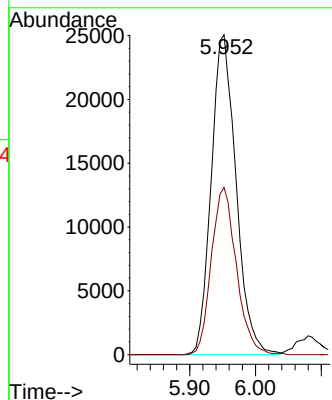
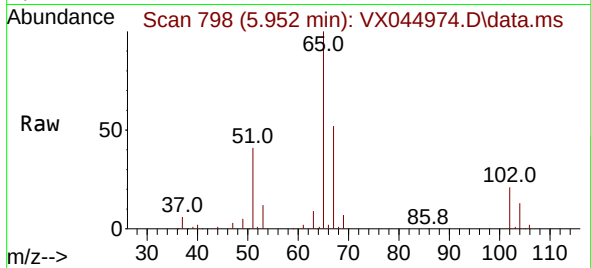




#33
 1,2-Dichloroethane-d4
 Concen: 47.661 ug/l
 RT: 5.952 min Scan# 79
 Delta R.T. 0.006 min
 Lab File: VX044974.D
 Acq: 14 Feb 2025 20:06

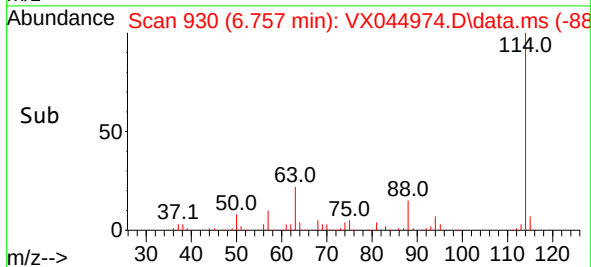
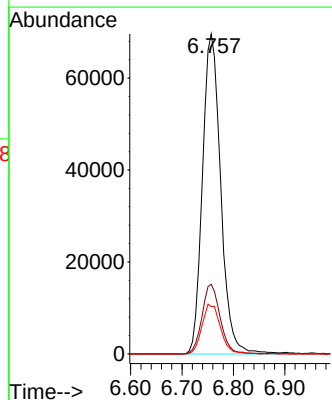
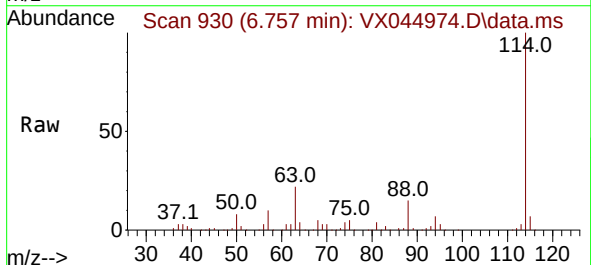
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

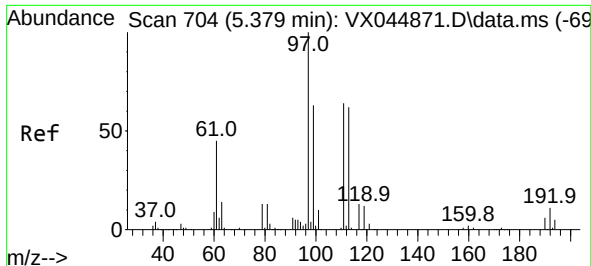
Tgt Ion: 65 Resp: 65892
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044974.D
 Acq: 14 Feb 2025 20:06

Tgt Ion: 114 Resp: 171556
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.4
 88 14.8 0.0 31.4

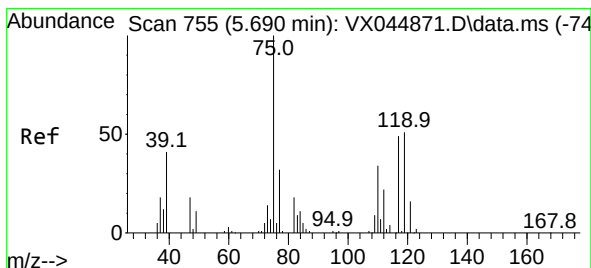
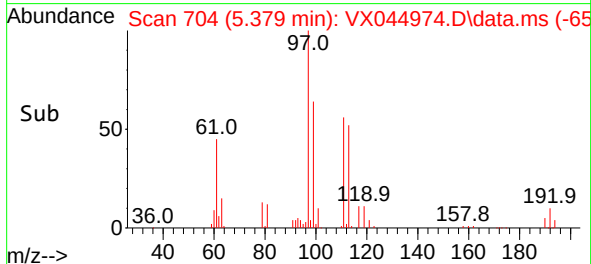
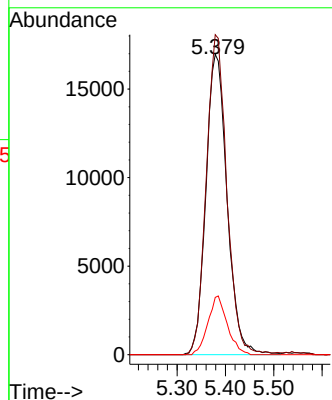
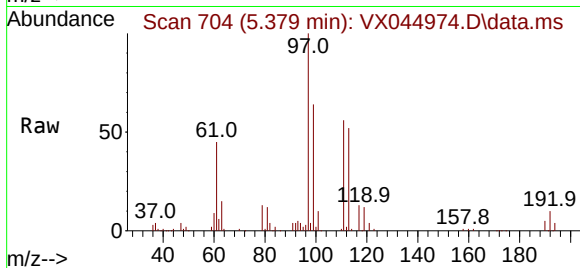




#35
Dibromofluoromethane
Concen: 46.286 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

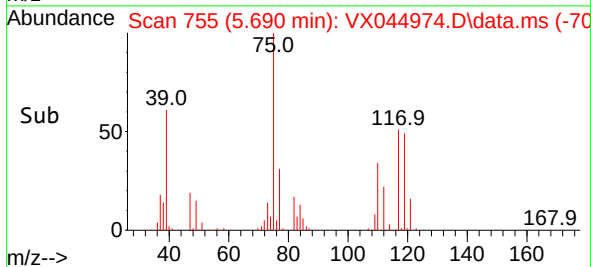
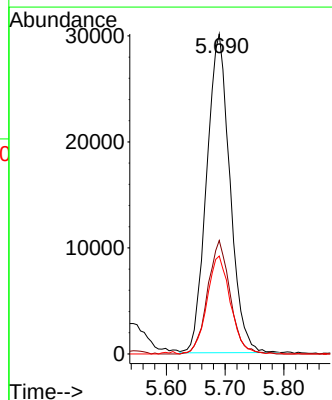
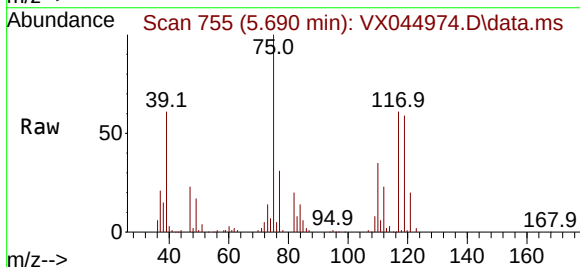
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

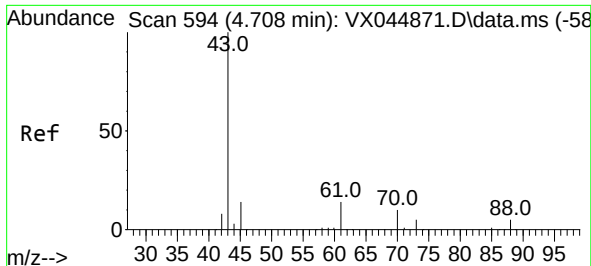
Tgt Ion:113 Resp: 51627
Ion Ratio Lower Upper
113 100
111 103.2 83.5 125.3
192 17.8 14.4 21.6



#36
1,1-Dichloropropene
Concen: 51.452 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 75 Resp: 82797
Ion Ratio Lower Upper
75 100
110 34.4 17.2 51.6
77 31.0 24.6 37.0





#37

Ethyl Acetate

Concen: 56.903 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

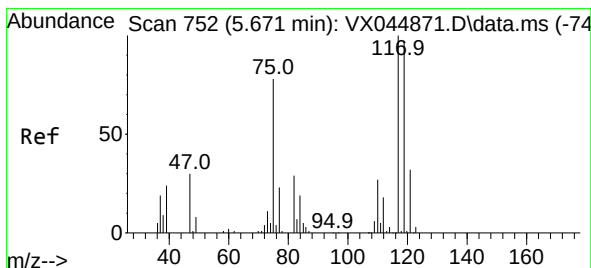
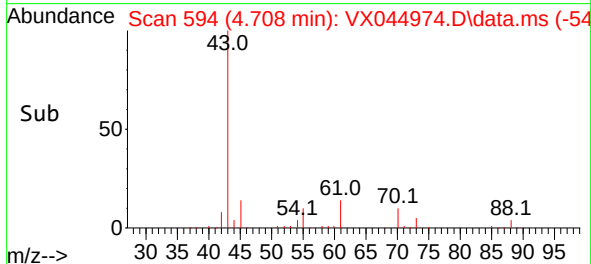
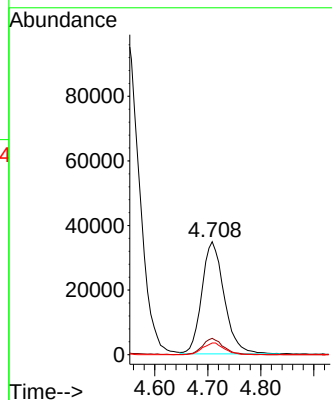
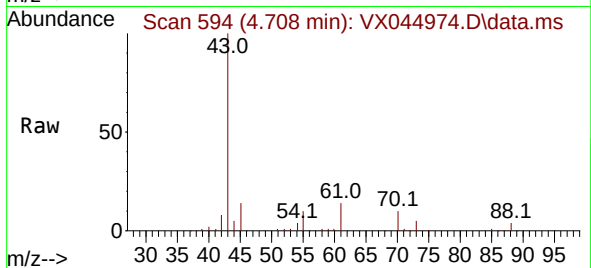
Tgt Ion: 43 Resp: 101851

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.4

70 10.0 8.2 12.2



#38

Carbon Tetrachloride

Concen: 52.993 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

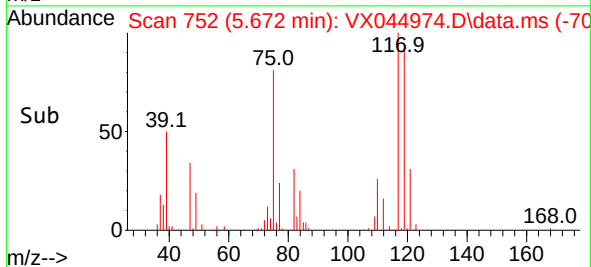
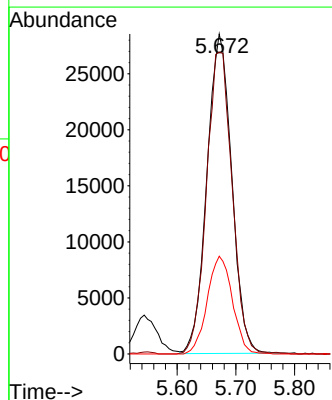
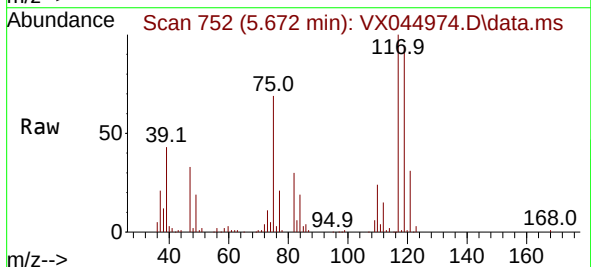
Tgt Ion: 117 Resp: 83568

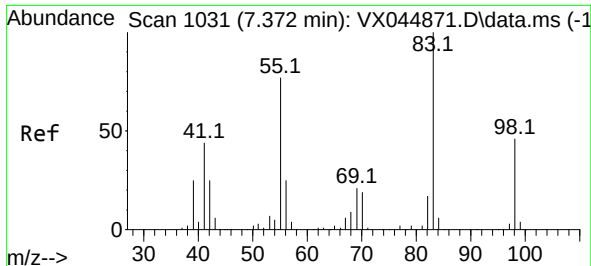
Ion Ratio Lower Upper

117 100

119 94.3 77.5 116.3

121 30.6 25.6 38.4





#39

Methylcyclohexane

Concen: 49.315 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

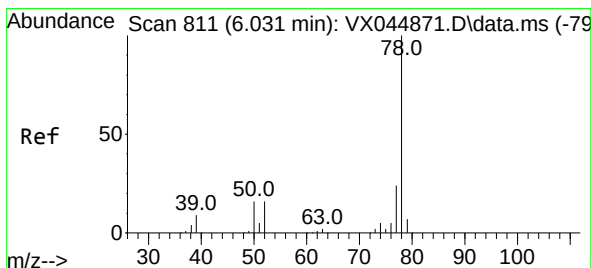
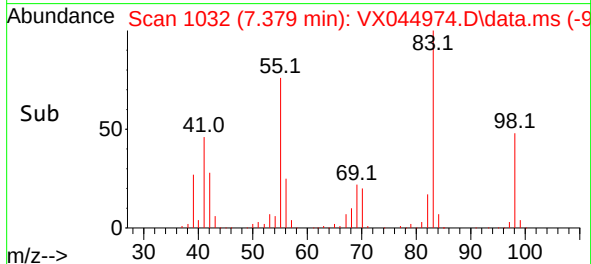
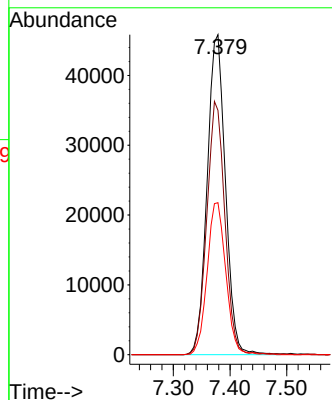
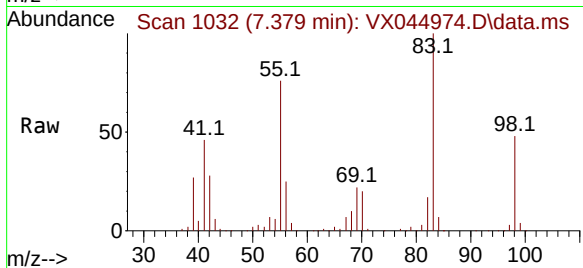
Tgt Ion: 83 Resp: 102598

Ion Ratio Lower Upper

83 100

55 76.4 61.3 91.9

98 47.5 37.0 55.6



#40

Benzene

Concen: 52.680 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044974.D

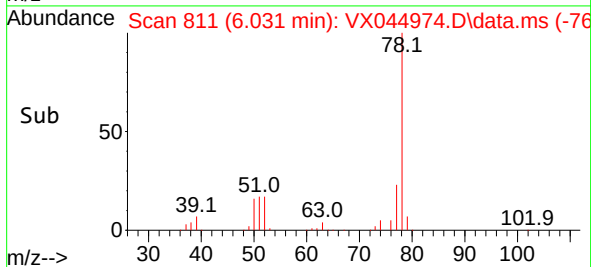
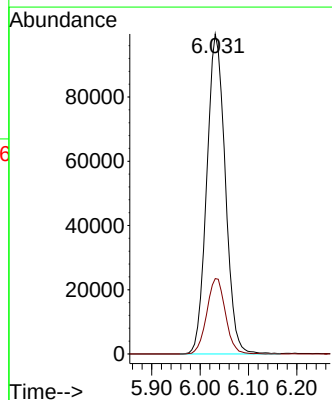
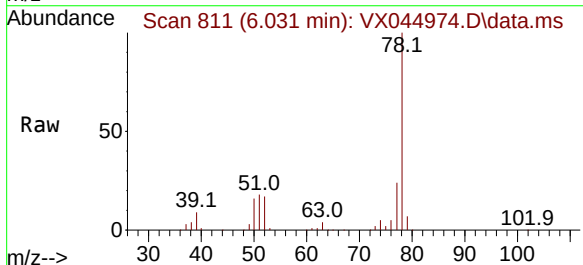
Acq: 14 Feb 2025 20:06

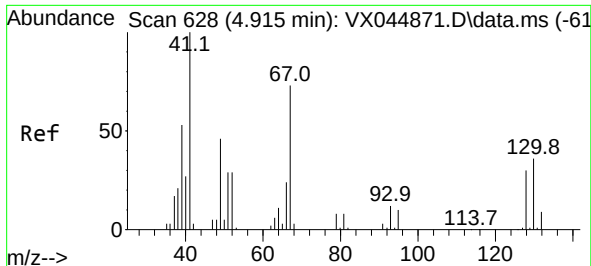
Tgt Ion: 78 Resp: 264712

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



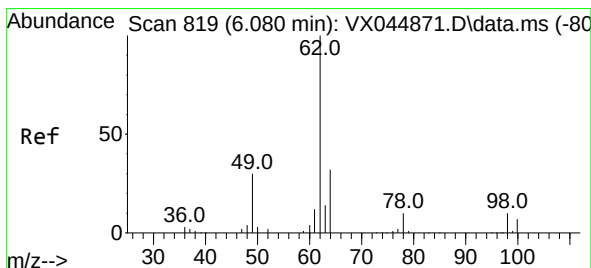
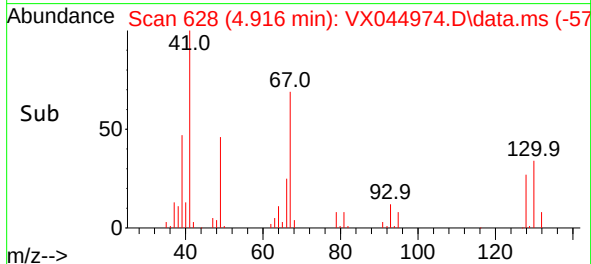
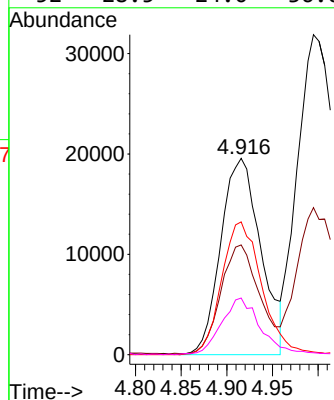
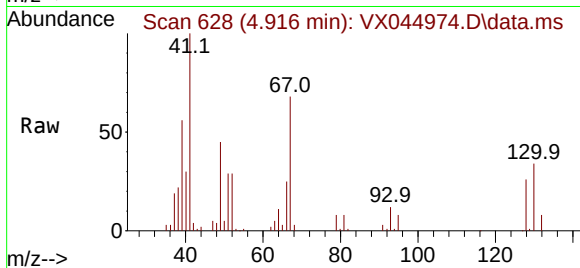


#41
Methacrylonitrile
Concen: 62.407 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 59791

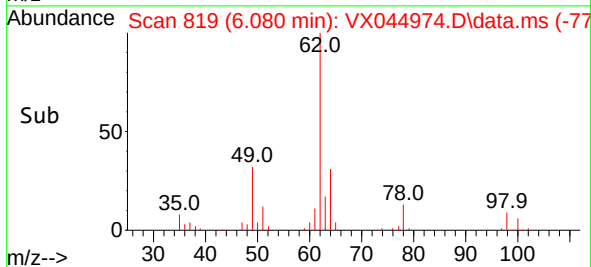
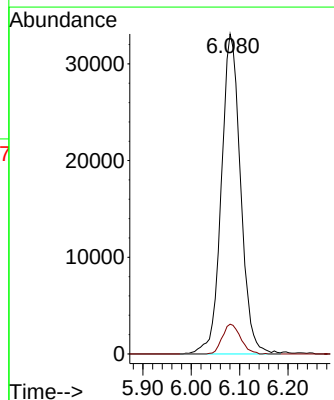
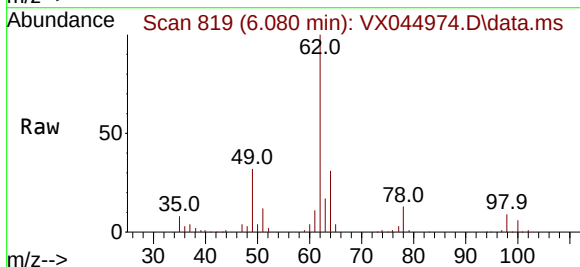
Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.1	64.7
67	67.6	57.0	85.6
52	28.5	24.0	36.0

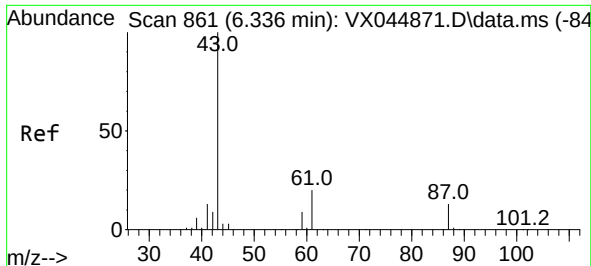


#42
1,2-Dichloroethane
Concen: 57.228 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 62 Resp: 91650

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.4

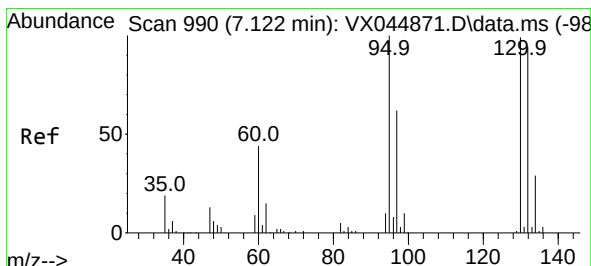
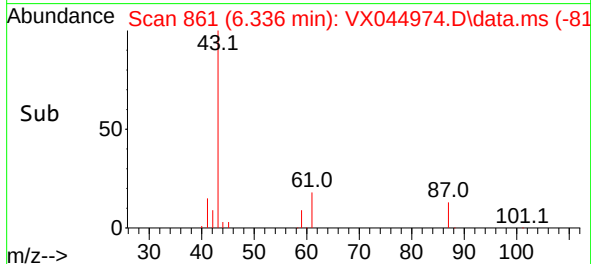
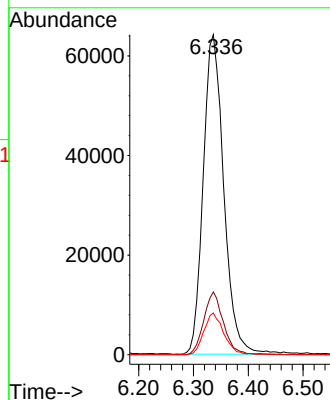
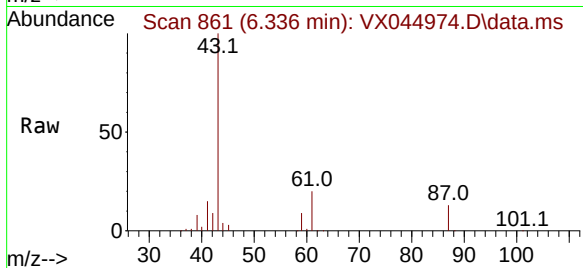




#43
Isopropyl Acetate
Concen: 57.723 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

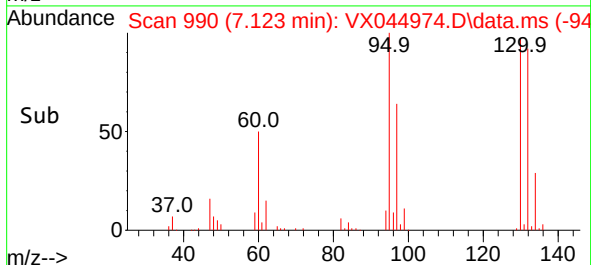
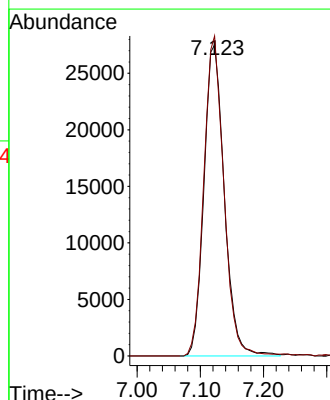
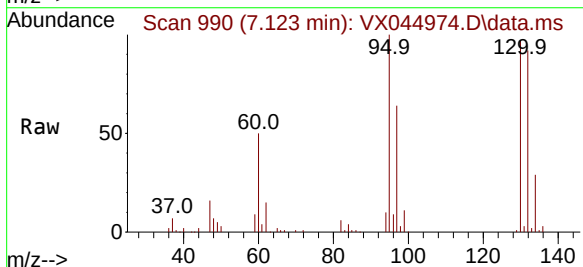
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

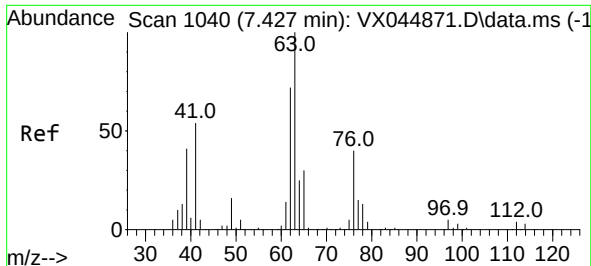
Tgt Ion: 43 Resp: 166844
Ion Ratio Lower Upper
43 100
61 18.6 15.8 23.8
87 12.7 10.0 15.0



#44
Trichloroethene
Concen: 53.693 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:130 Resp: 61670
Ion Ratio Lower Upper
130 100
95 102.8 0.0 202.4





#45

1,2-Dichloropropane

Concen: 54.668 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

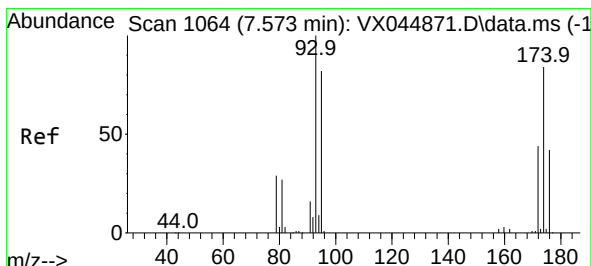
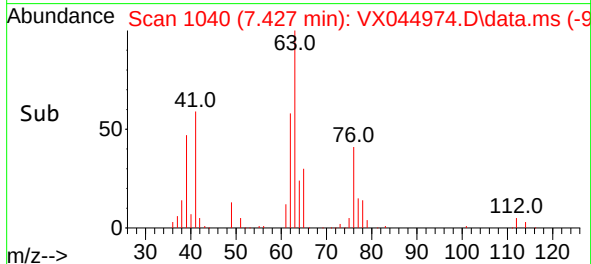
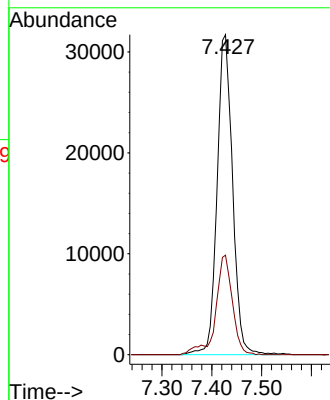
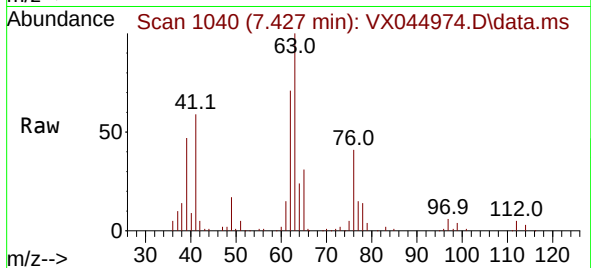
VSTDCCC050EC

Tgt Ion: 63 Resp: 68342

Ion Ratio Lower Upper

63 100

65 31.1 24.2 36.4



#46

Dibromomethane

Concen: 55.940 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

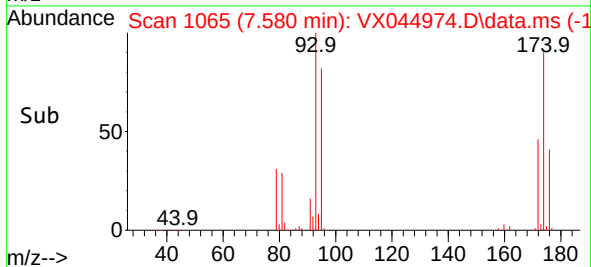
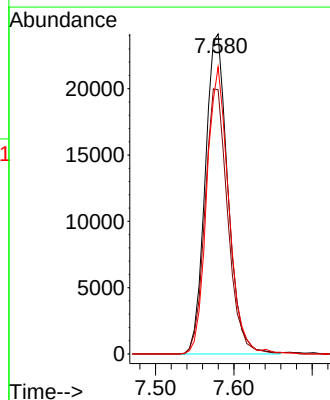
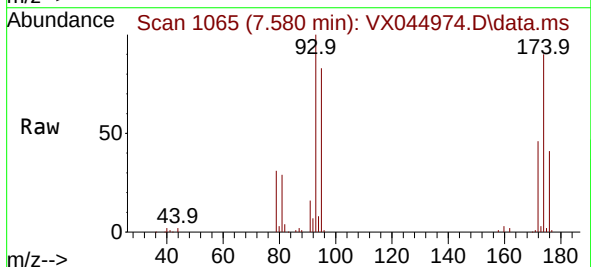
Tgt Ion: 93 Resp: 48498

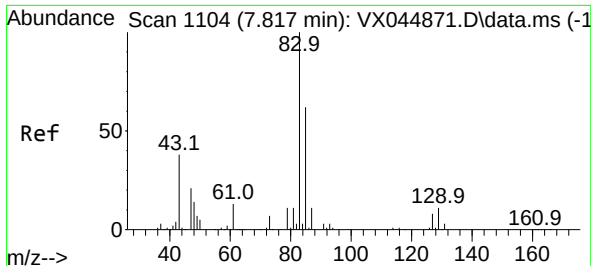
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 87.2 69.9 104.9

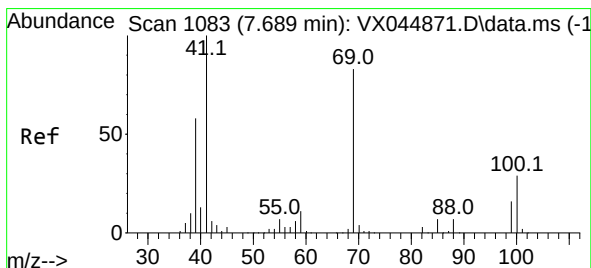
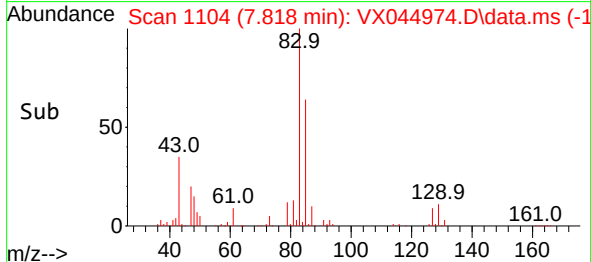
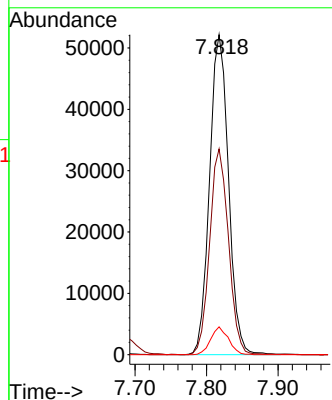
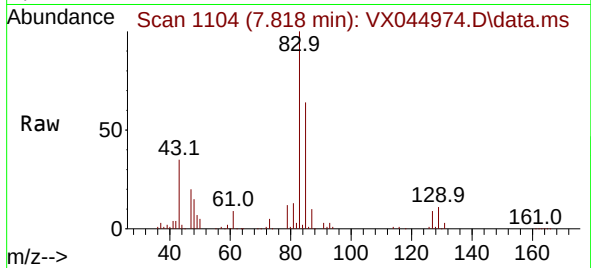




#47
Bromodichloromethane
Concen: 57.216 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

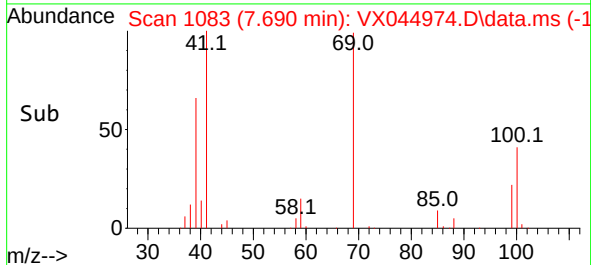
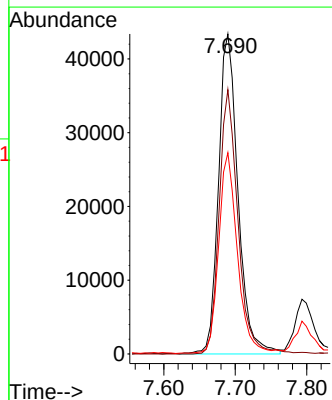
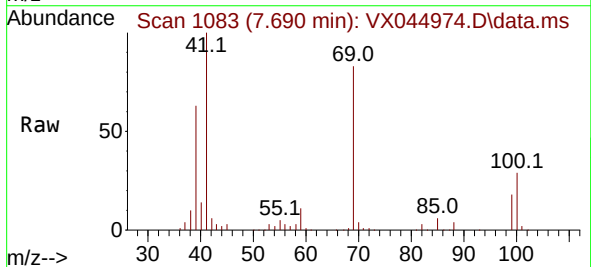
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

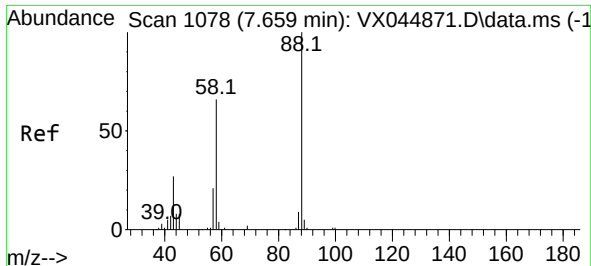
Tgt Ion: 83 Resp: 96049
Ion Ratio Lower Upper
83 100
85 64.3 50.0 75.0
127 8.7 6.4 9.6



#48
Methyl methacrylate
Concen: 60.311 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 41 Resp: 82197
Ion Ratio Lower Upper
41 100
69 79.7 65.8 98.8
39 60.1 46.4 69.6

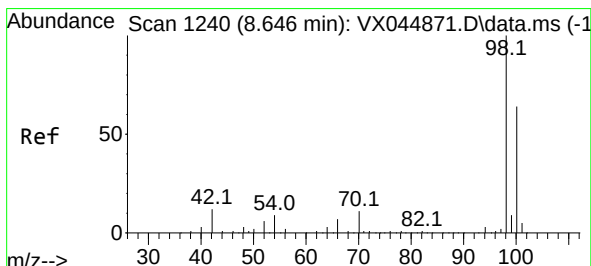
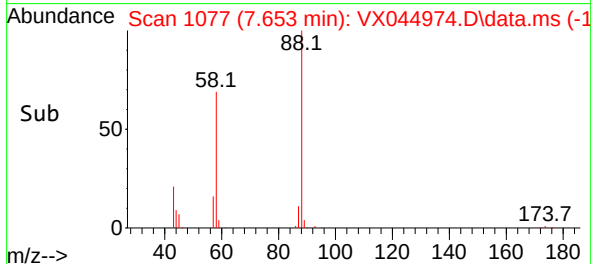
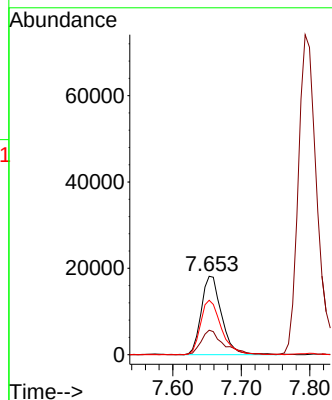
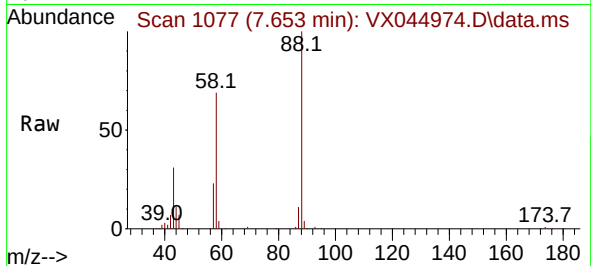




#49
1,4-Dioxane
Concen: 1276.524 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

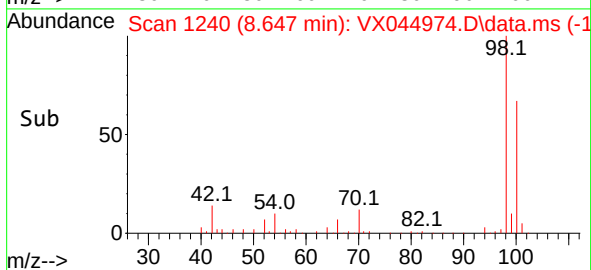
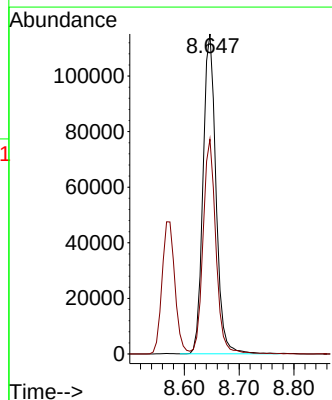
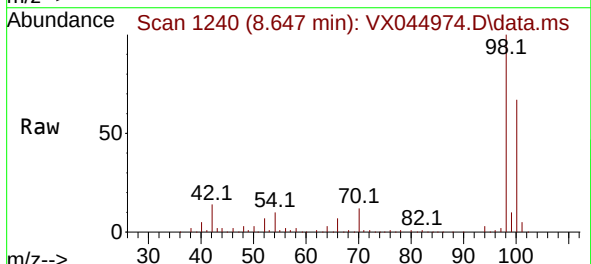
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

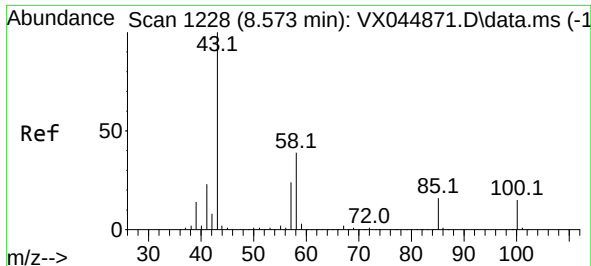
Tgt Ion: 88 Resp: 37326
Ion Ratio Lower Upper
88 100
43 35.1 26.6 39.8
58 70.8 55.9 83.9



#50
Toluene-d8
Concen: 44.728 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 98 Resp: 188654
Ion Ratio Lower Upper
98 100
100 66.7 52.7 79.1

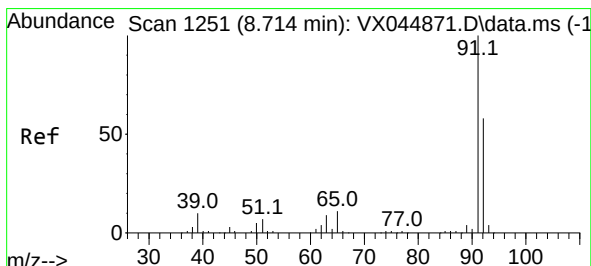
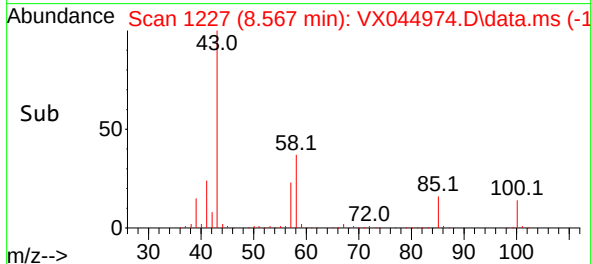
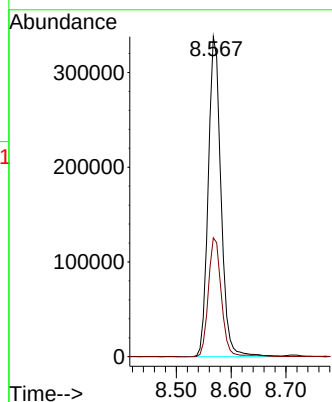
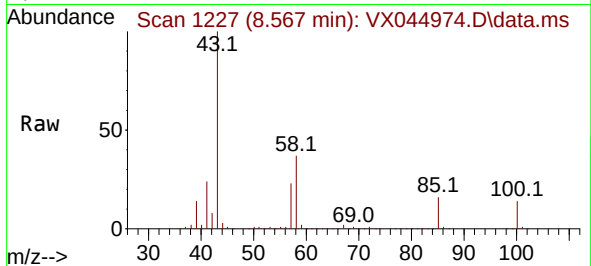




#51
4-Methyl-2-Pentanone
Concen: 309.071 ug/l
RT: 8.567 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

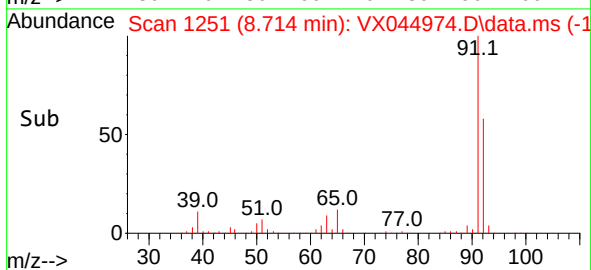
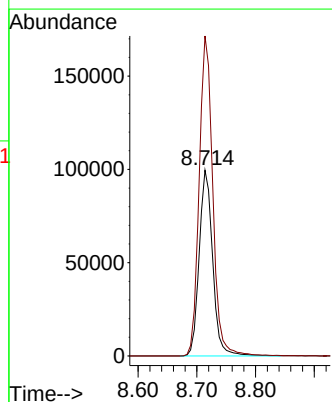
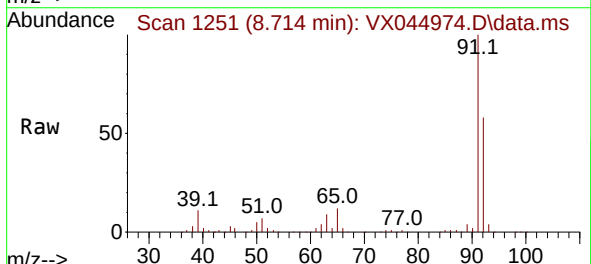
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

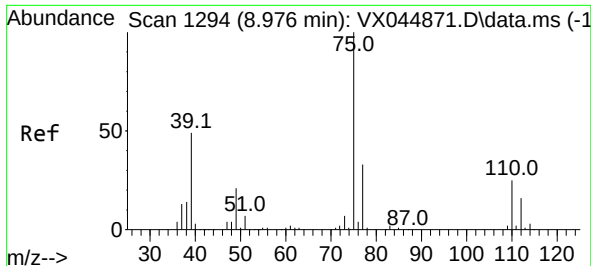
Tgt Ion: 43 Resp: 543106
Ion Ratio Lower Upper
43 100
58 38.3 30.8 46.2



#52
Toluene
Concen: 53.206 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 92 Resp: 159226
Ion Ratio Lower Upper
92 100
91 173.9 137.4 206.2

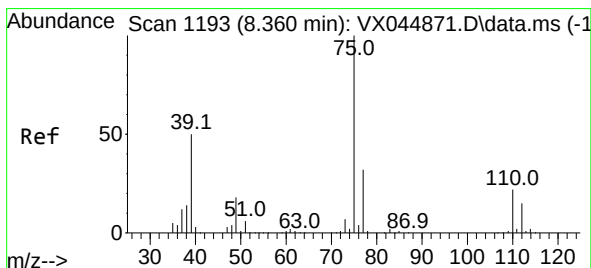
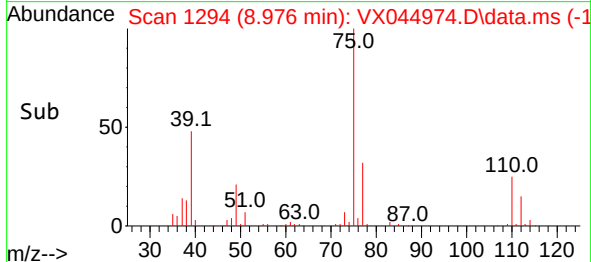
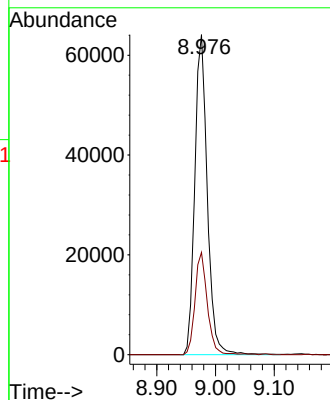
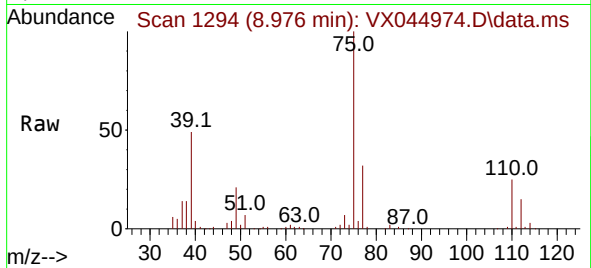




#53
t-1,3-Dichloropropene
Concen: 55.632 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

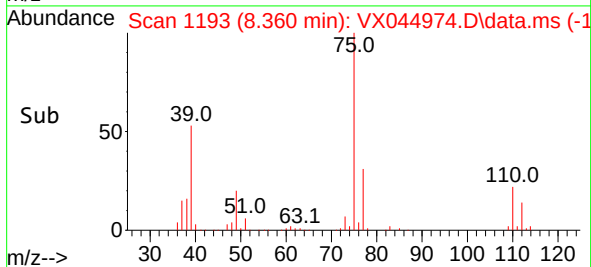
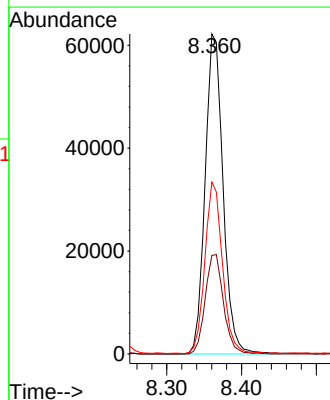
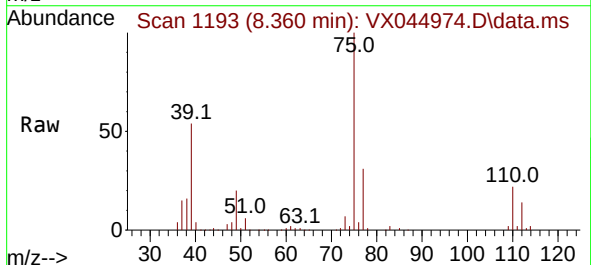
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

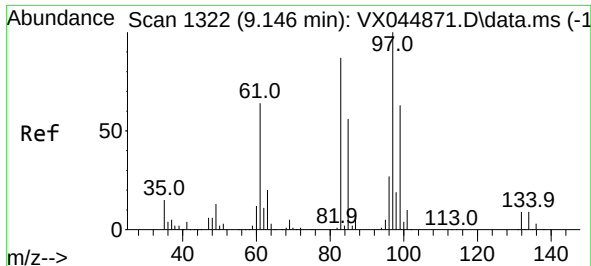
Tgt Ion: 75 Resp: 94505
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0



#54
cis-1,3-Dichloropropene
Concen: 54.707 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 75 Resp: 103618
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9
39 53.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 55.708 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 64087

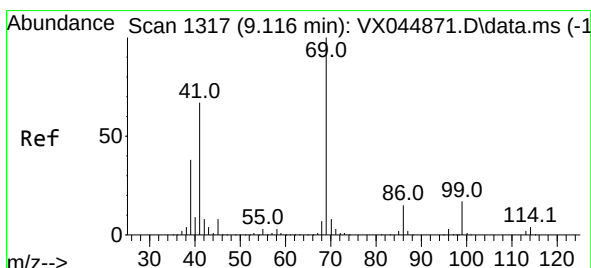
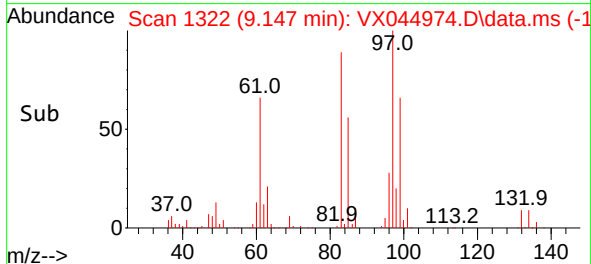
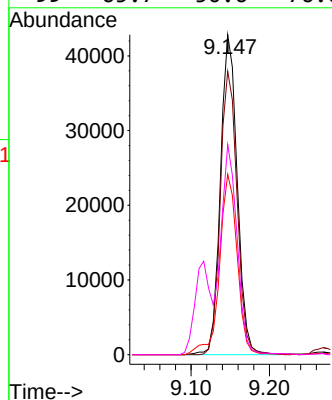
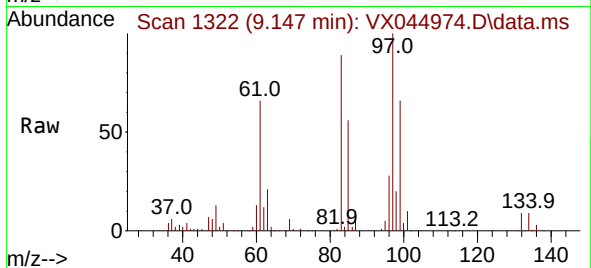
Ion Ratio Lower Upper

97 100

83 88.6 69.8 104.6

85 56.4 44.8 67.2

99 65.7 50.6 76.0



#56

Ethyl methacrylate

Concen: 57.122 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

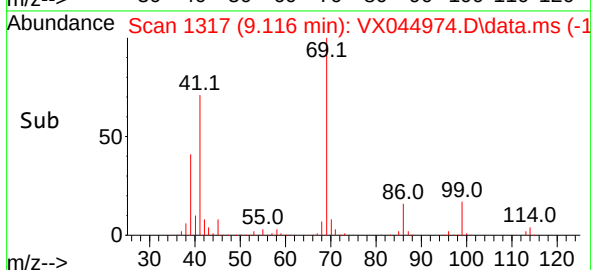
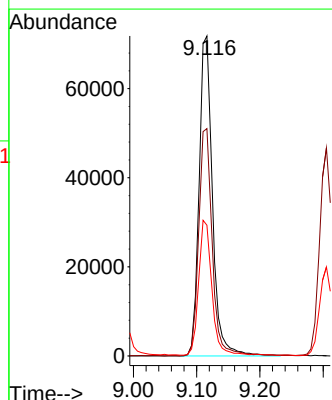
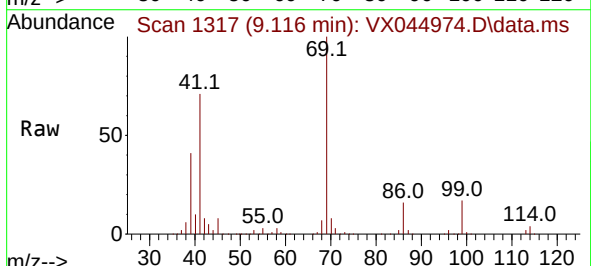
Tgt Ion: 69 Resp: 106133

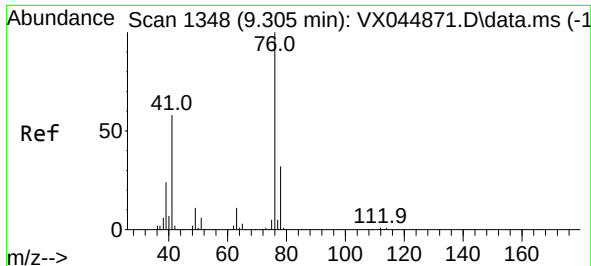
Ion Ratio Lower Upper

69 100

41 72.2 55.2 82.8

39 41.2 30.8 46.2





#57

1,3-Dichloropropane

Concen: 55.110 ug/l

RT: 9.305 min Scan# 110929

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

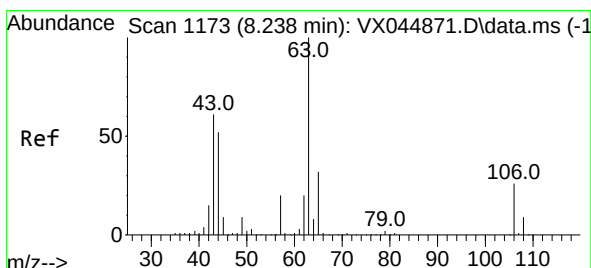
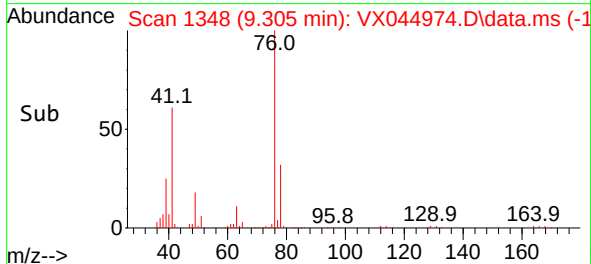
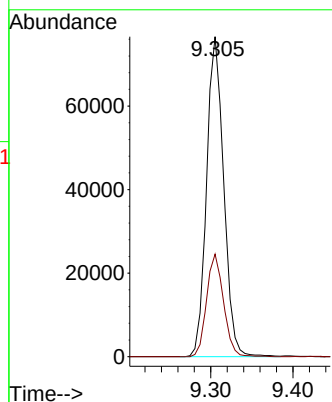
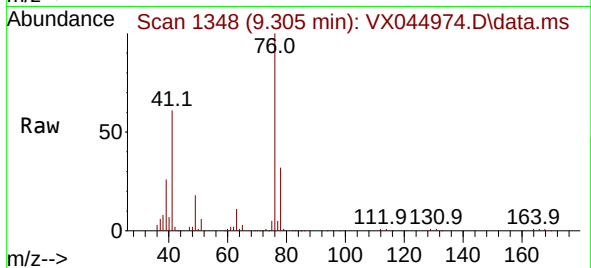
VSTDCCC050EC

Tgt Ion: 76 Resp: 110929

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 270.450 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044974.D

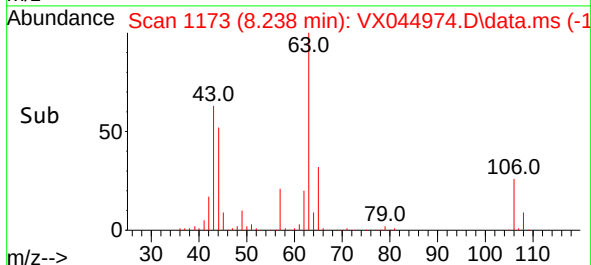
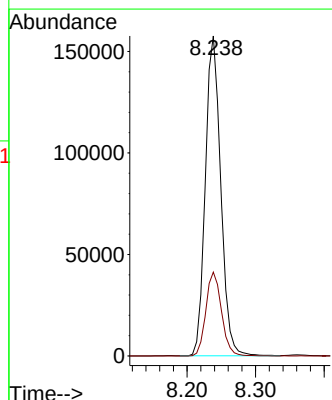
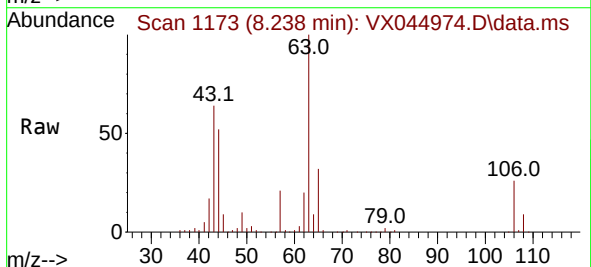
Acq: 14 Feb 2025 20:06

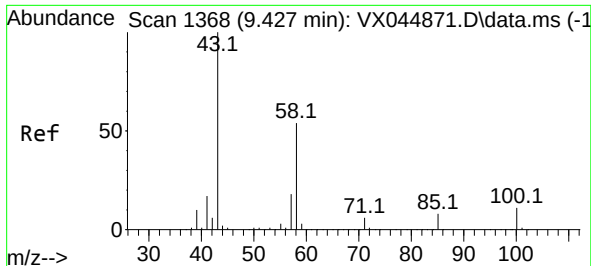
Tgt Ion: 63 Resp: 246733

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 324.260 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

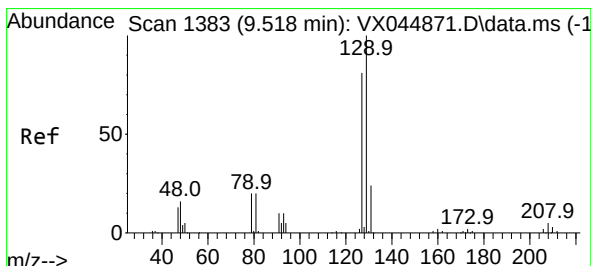
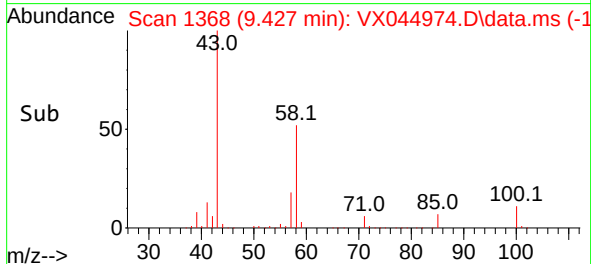
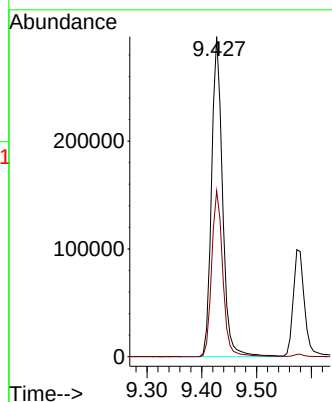
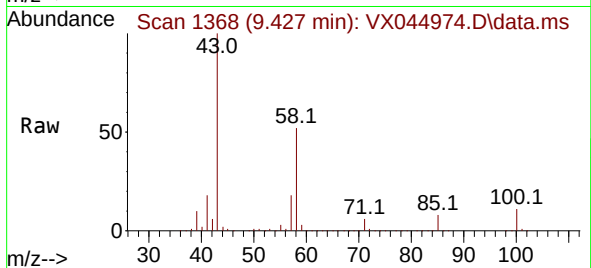
VSTDCCC050EC

Tgt Ion: 43 Resp: 410543

Ion Ratio Lower Upper

43 100

58 52.7 27.5 82.4



#60

Dibromochloromethane

Concen: 57.145 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044974.D

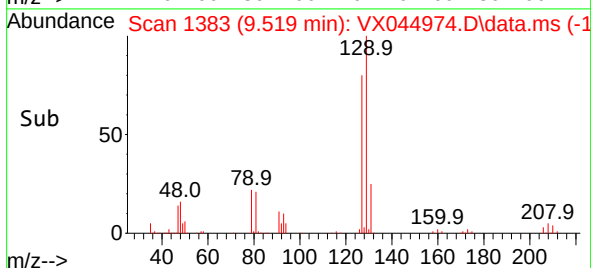
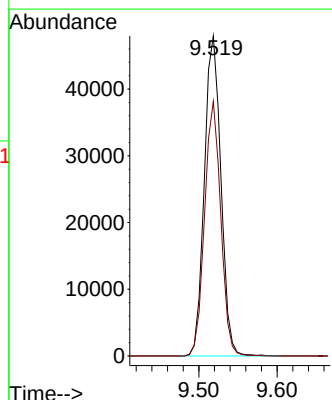
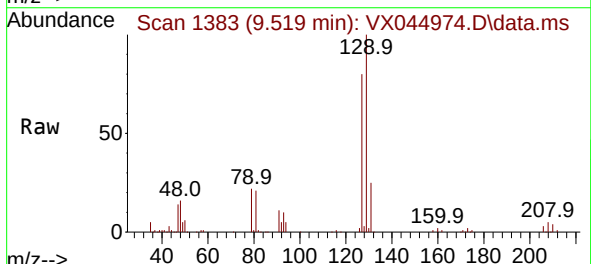
Acq: 14 Feb 2025 20:06

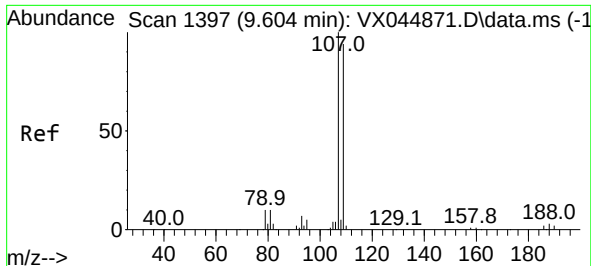
Tgt Ion: 129 Resp: 70306

Ion Ratio Lower Upper

129 100

127 77.8 39.1 117.3

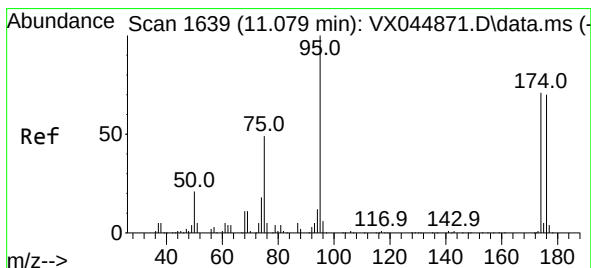
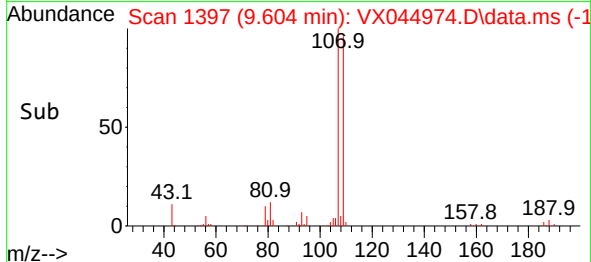
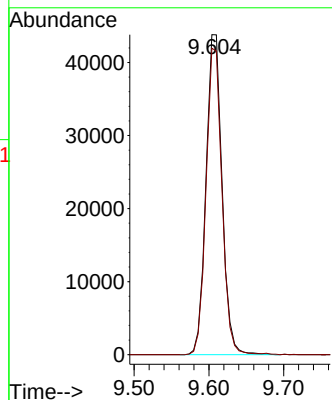
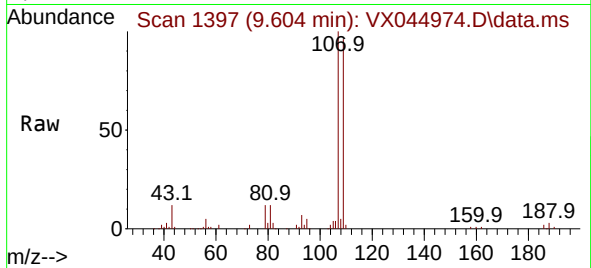




#61
1,2-Dibromoethane
Concen: 56.187 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

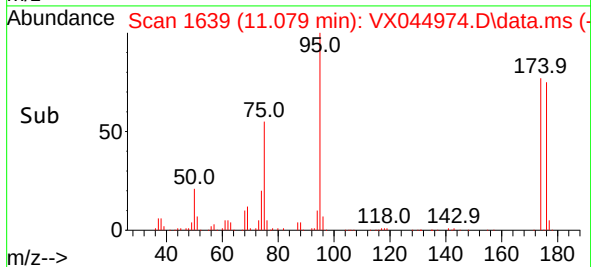
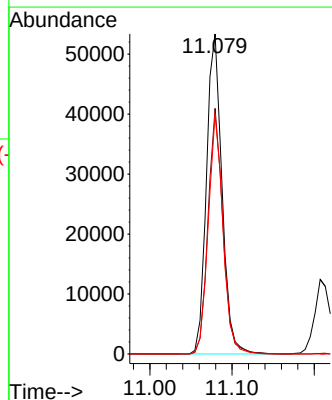
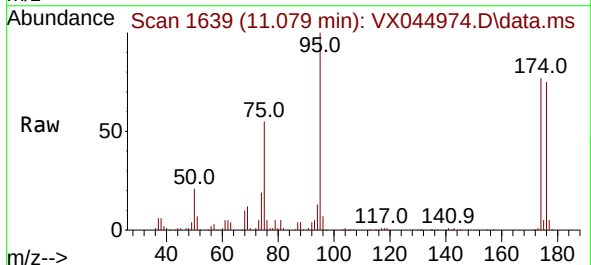
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

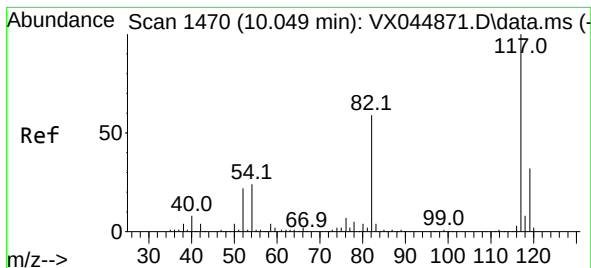
Tgt Ion:107 Resp: 65513
Ion Ratio Lower Upper
107 100
109 94.6 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 49.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 95 Resp: 69901
Ion Ratio Lower Upper
95 100
174 73.6 0.0 142.6
176 71.0 0.0 141.6

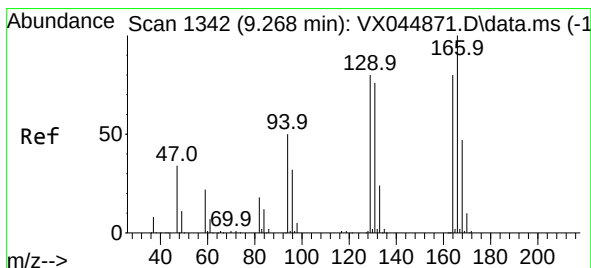
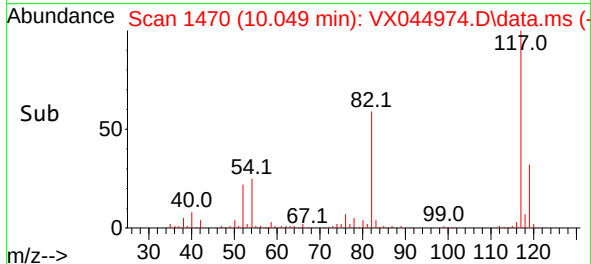
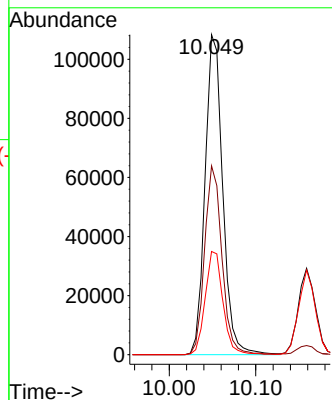
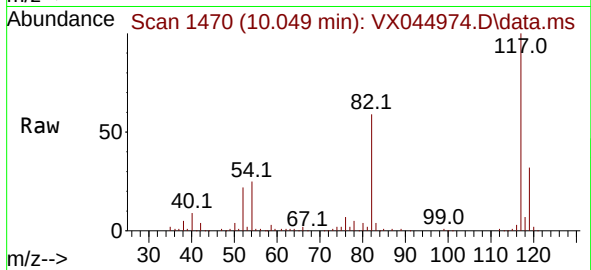




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

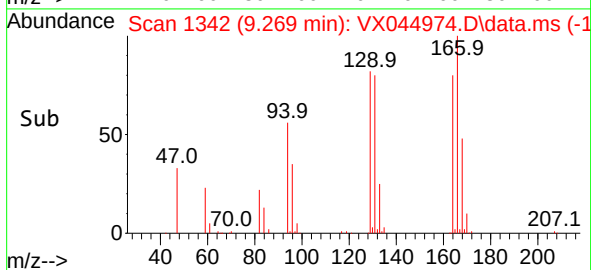
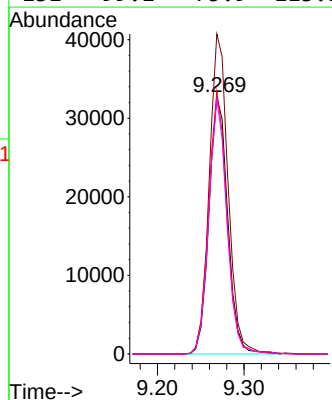
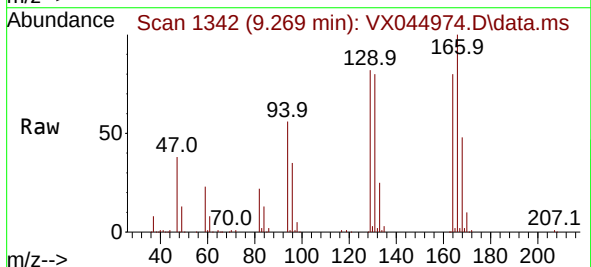
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

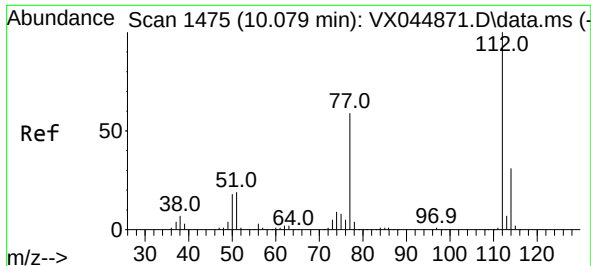
Tgt Ion:117 Resp: 153467
Ion Ratio Lower Upper
117 100
82 59.0 47.5 71.3
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 50.766 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:164 Resp: 49133
Ion Ratio Lower Upper
164 100
166 124.5 100.4 150.6
129 102.0 79.9 119.9
131 99.1 75.9 113.9

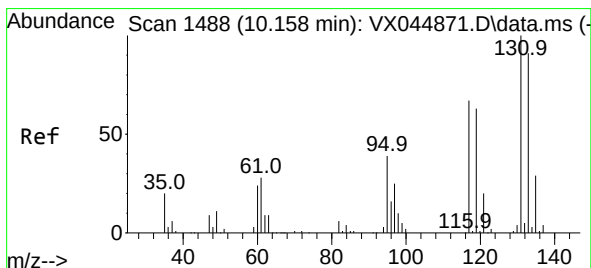
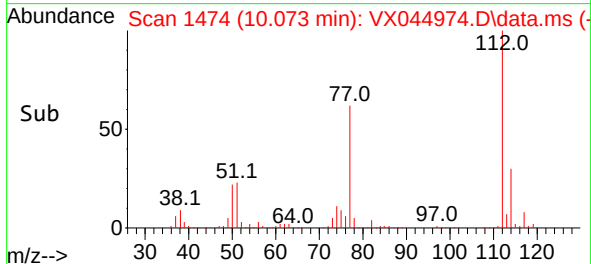
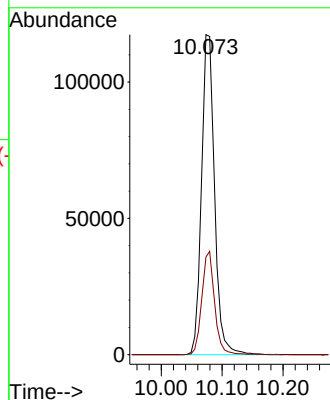
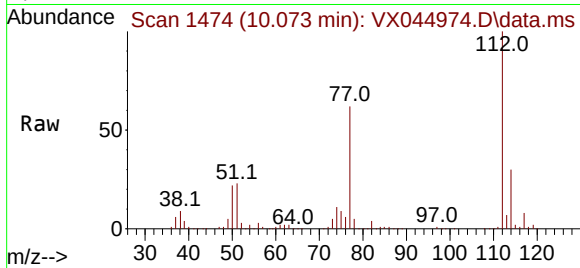




#65
Chlorobenzene
Concen: 53.124 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

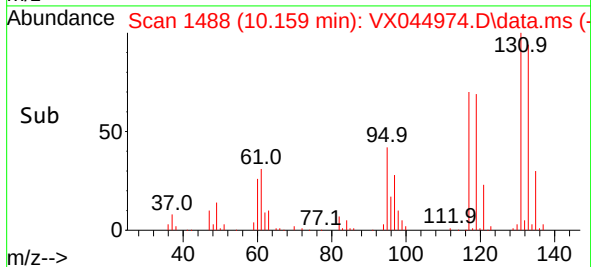
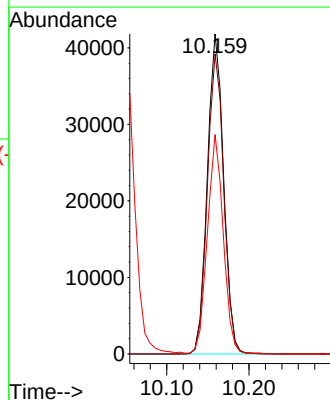
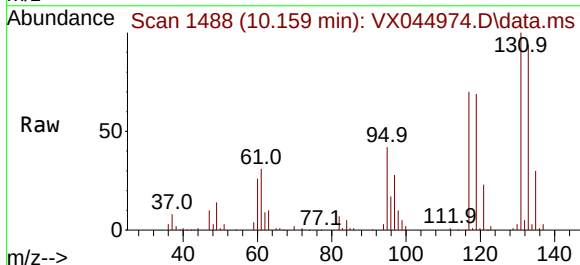
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

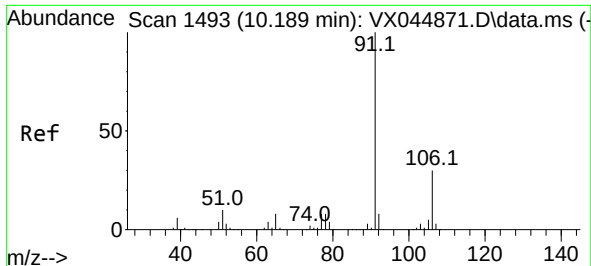
Tgt Ion:112 Resp: 175110
Ion Ratio Lower Upper
112 100
114 30.5 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.322 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:131 Resp: 57633
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 66.9 33.6 100.6





#67

Ethyl Benzene

Concen: 53.064 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

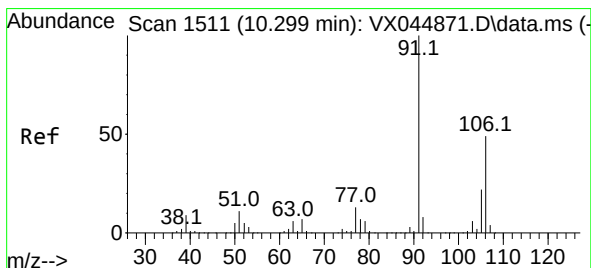
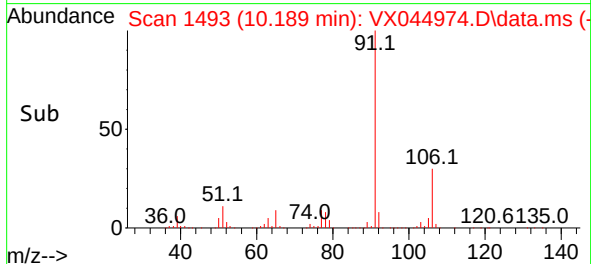
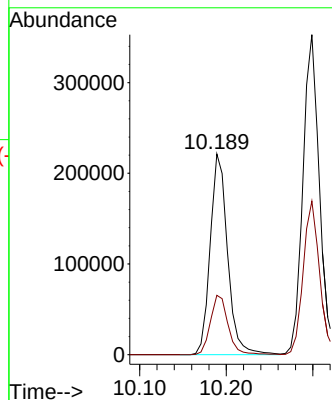
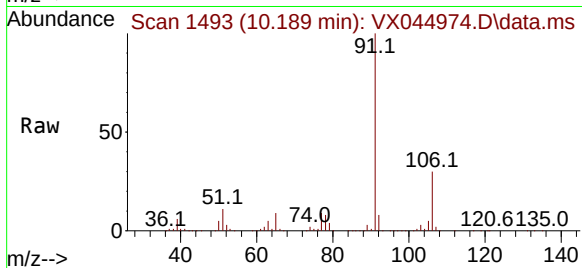
VSTDCCC050EC

Tgt Ion: 91 Resp: 308662

Ion Ratio Lower Upper

91 100

106 29.5 23.9 35.9



#68

m/p-Xylenes

Concen: 105.988 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044974.D

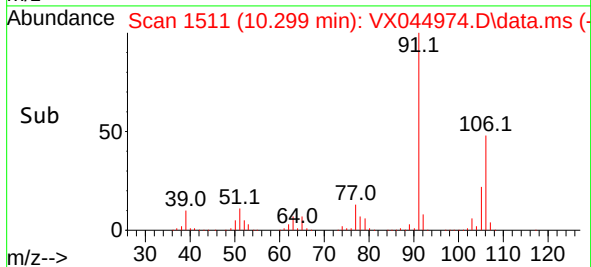
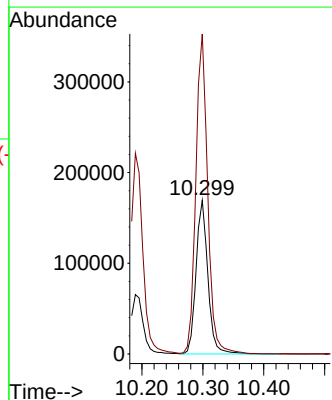
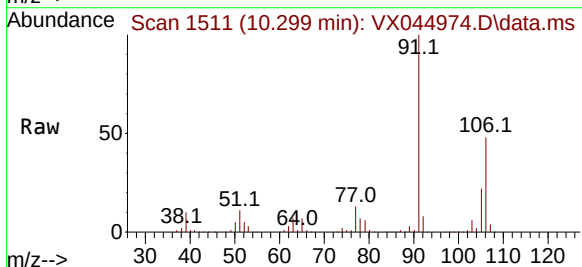
Acq: 14 Feb 2025 20:06

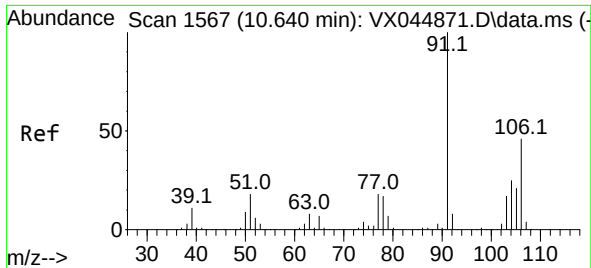
Tgt Ion: 106 Resp: 227422

Ion Ratio Lower Upper

106 100

91 209.1 164.3 246.5

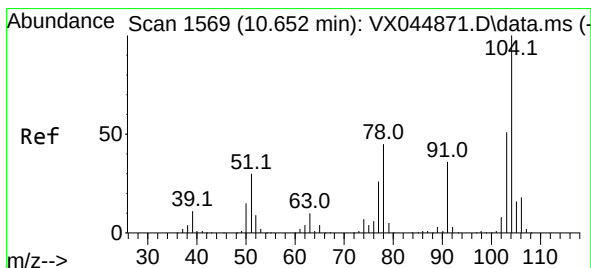
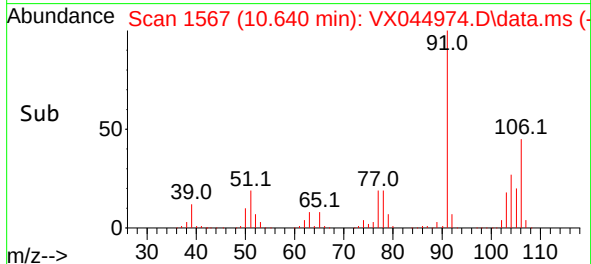
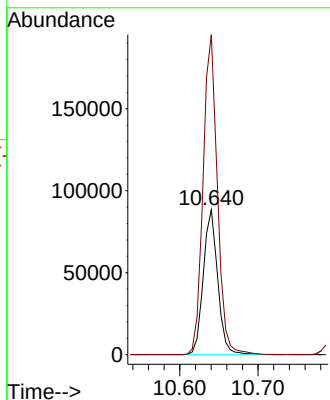
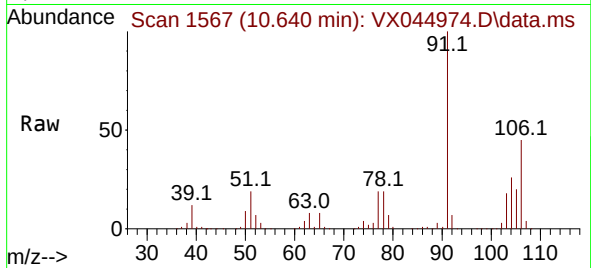




#69
o-Xylene
Concen: 52.414 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

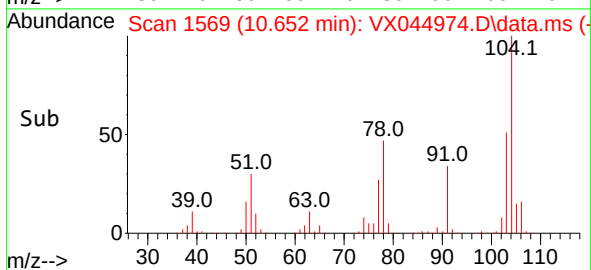
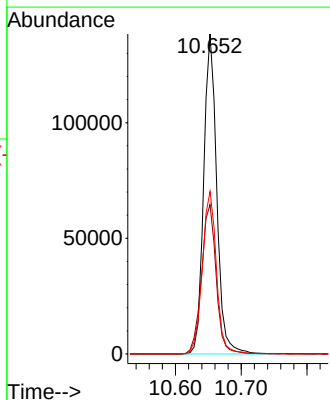
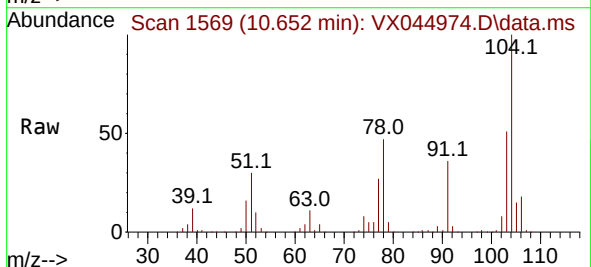
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

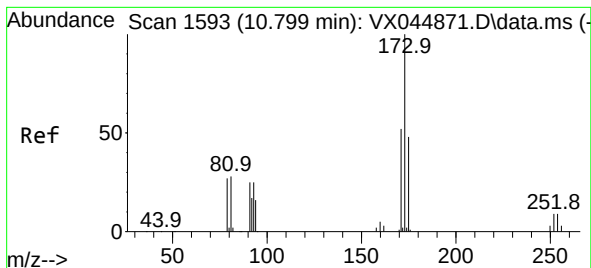
Tgt Ion:106 Resp: 112850
Ion Ratio Lower Upper
106 100
91 219.6 108.5 325.5



#70
Styrene
Concen: 55.172 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:104 Resp: 191380
Ion Ratio Lower Upper
104 100
78 52.3 40.5 60.7
103 55.0 43.6 65.4





#71

Bromoform

Concen: 58.514 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

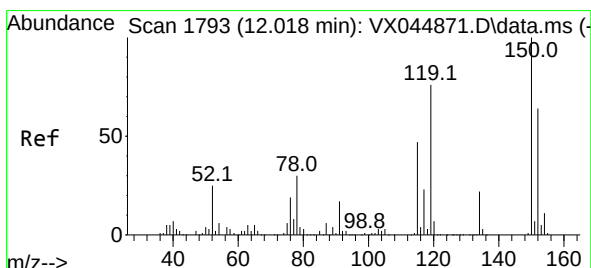
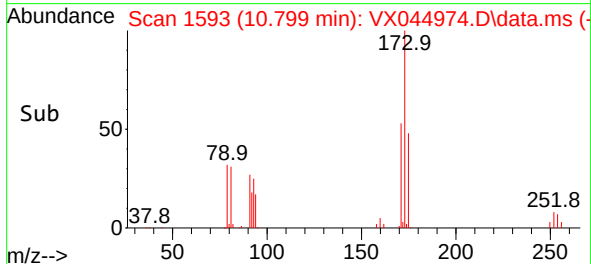
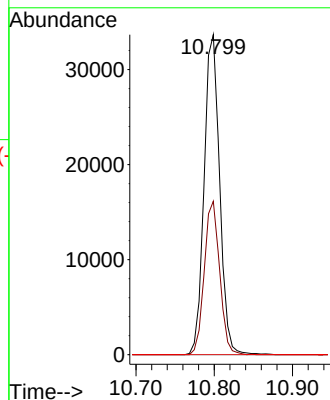
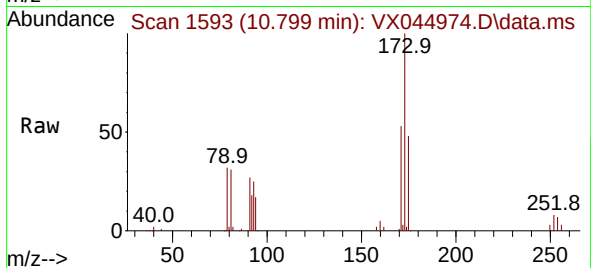
Tgt Ion:173 Resp: 46331

Ion Ratio Lower Upper

173 100

175 47.4 24.3 72.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

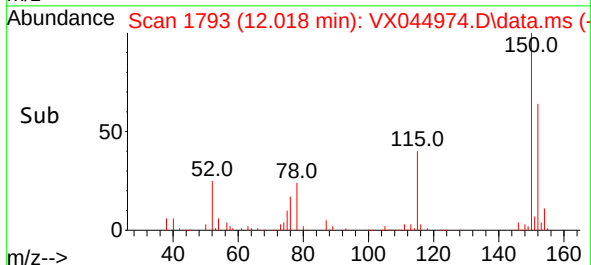
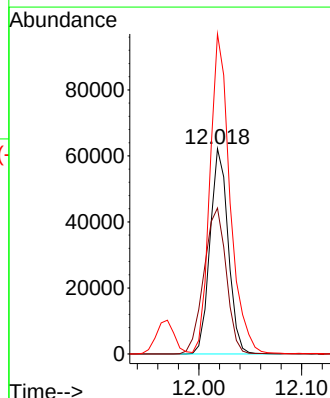
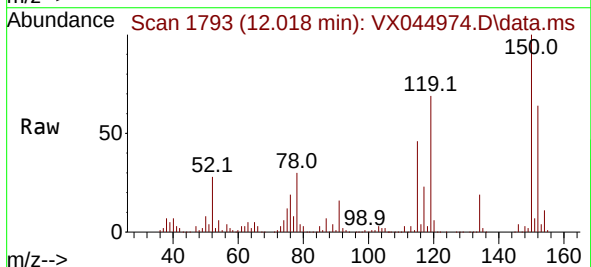
Tgt Ion:152 Resp: 76183

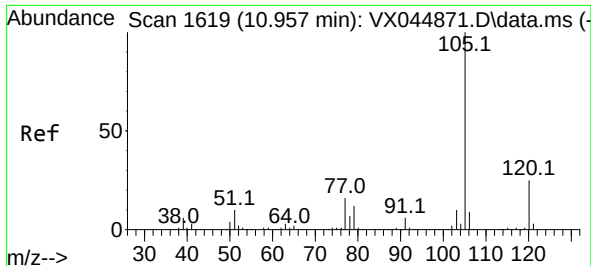
Ion Ratio Lower Upper

152 100

115 87.8 43.4 130.1

150 172.1 0.0 350.4

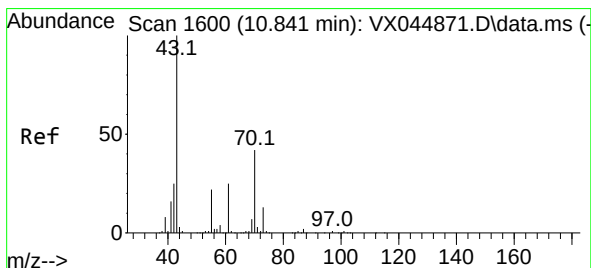
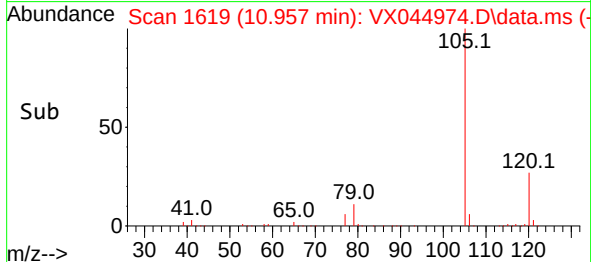
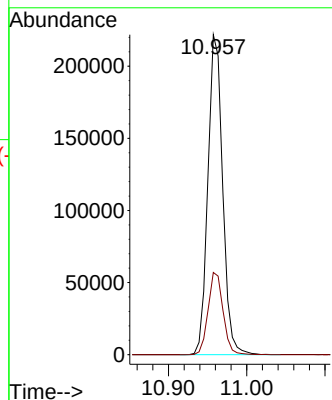
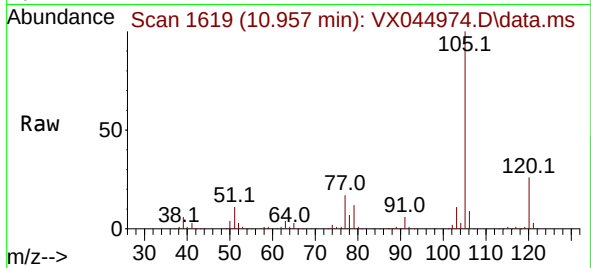




#73
Isopropylbenzene
Concen: 47.192 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

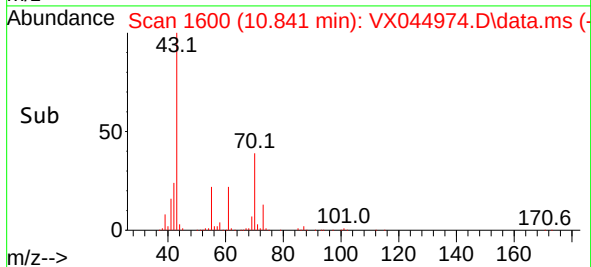
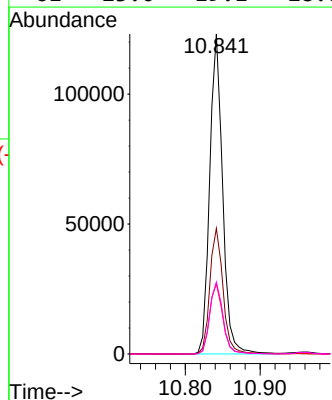
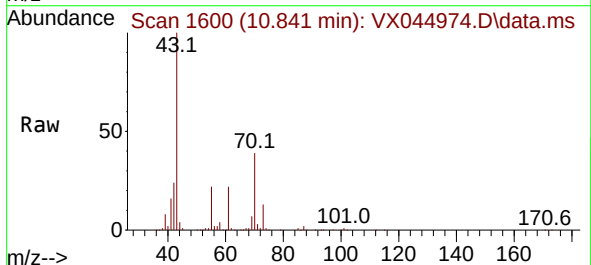
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

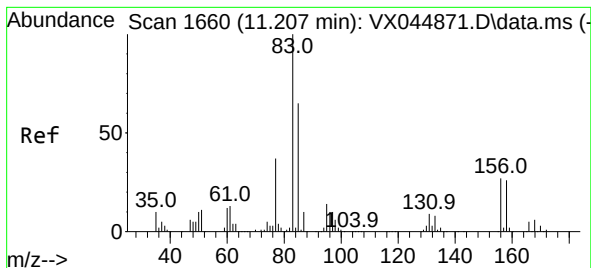
Tgt Ion:105 Resp: 289482
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5



#74
N-ethyl acetate
Concen: 53.307 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 43 Resp: 147969
Ion Ratio Lower Upper
43 100
70 40.1 33.7 50.5
55 22.6 18.6 27.8
61 23.0 19.1 28.7

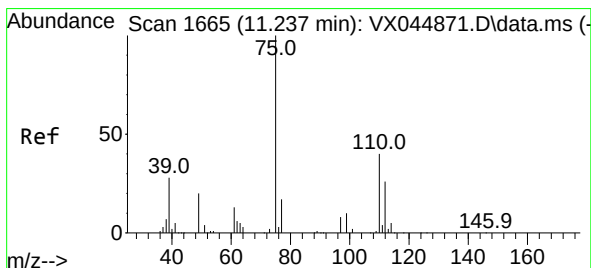
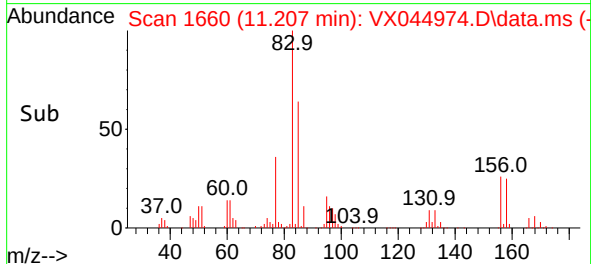
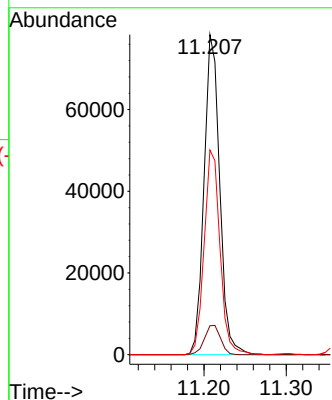
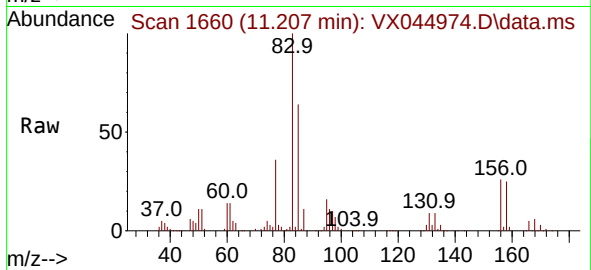




#75
1,1,2,2-Tetrachloroethane
Concen: 49.296 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

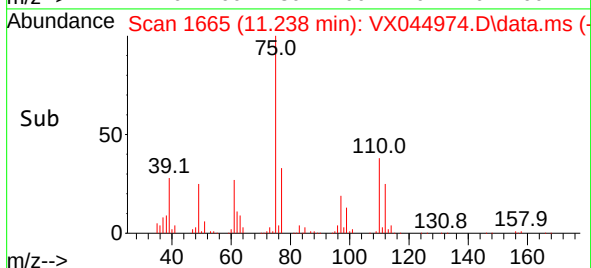
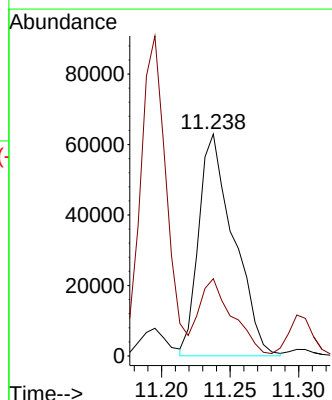
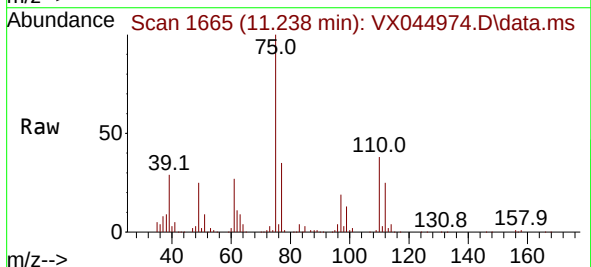
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

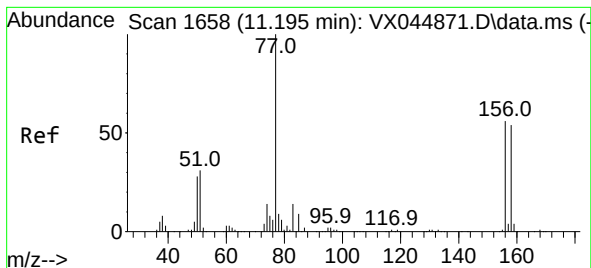
Tgt Ion: 83 Resp: 103911
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.5
85 64.8 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 66.264 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 75 Resp: 111926
Ion Ratio Lower Upper
75 100
77 33.2 21.9 65.7





#77

Bromobenzene

Concen: 49.693 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

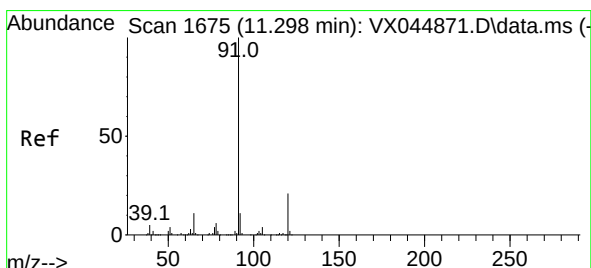
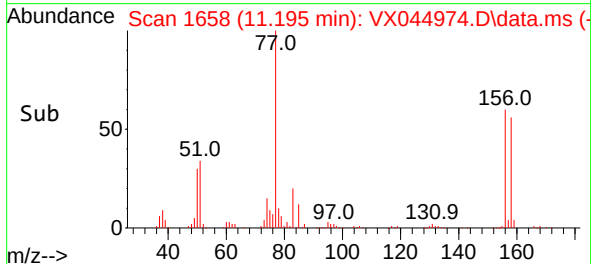
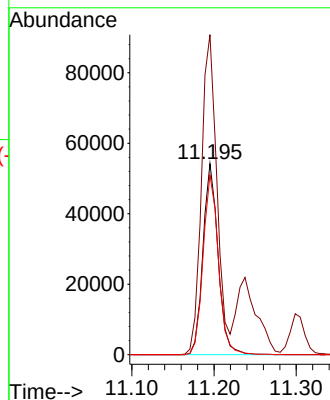
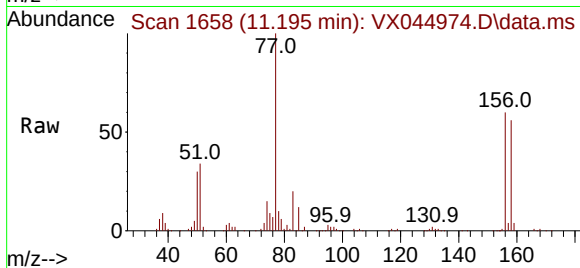
Tgt Ion:156 Resp: 69109

Ion Ratio Lower Upper

156 100

77 171.6 88.4 265.3

158 95.5 48.4 145.2



#78

n-propylbenzene

Concen: 49.081 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044974.D

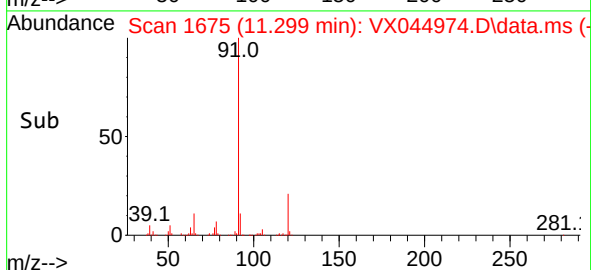
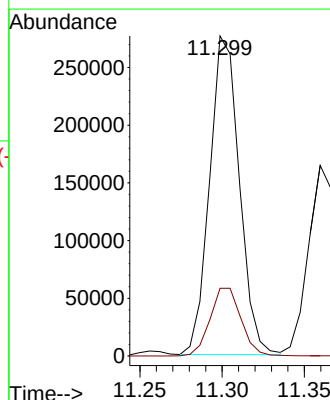
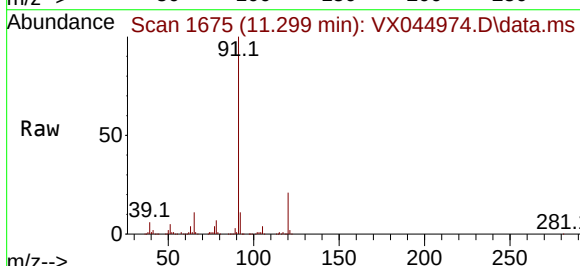
Acq: 14 Feb 2025 20:06

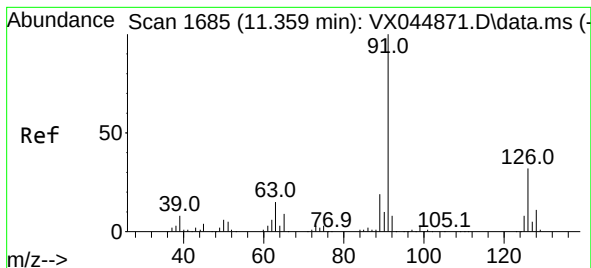
Tgt Ion: 91 Resp: 347506

Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.3

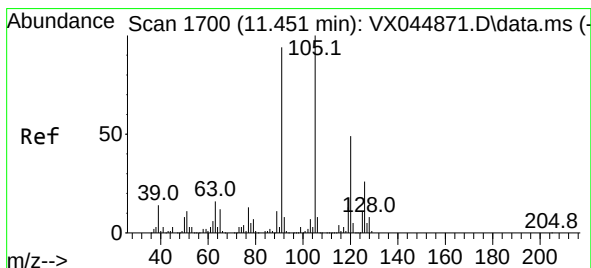
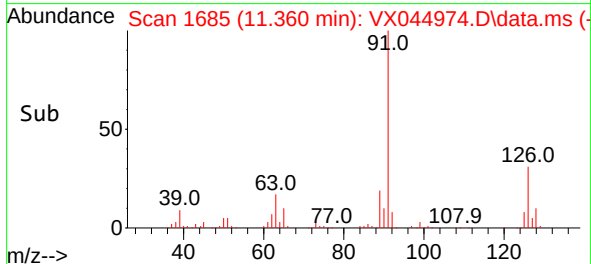
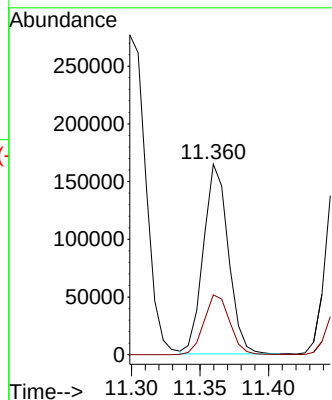
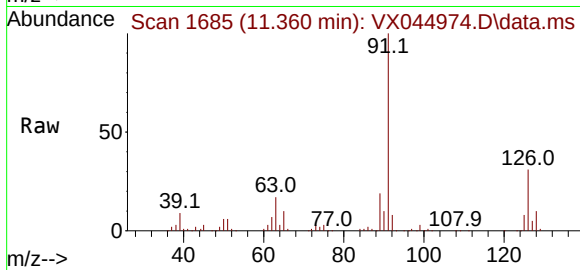




#79
2-Chlorotoluene
Concen: 47.769 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

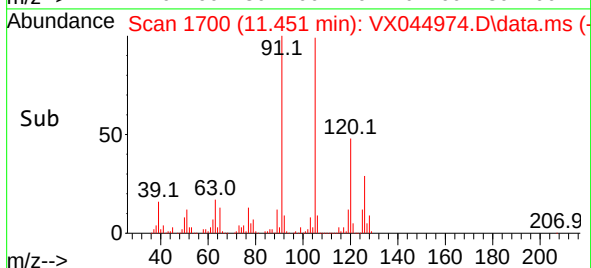
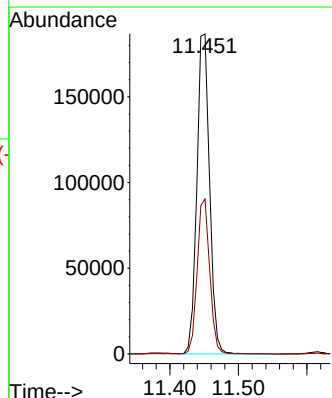
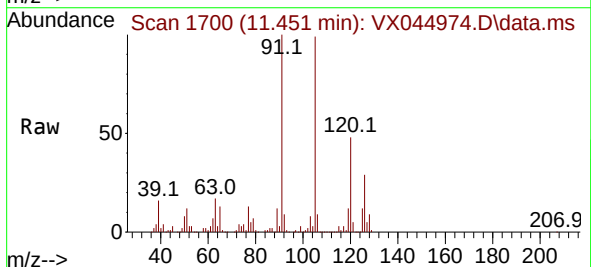
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

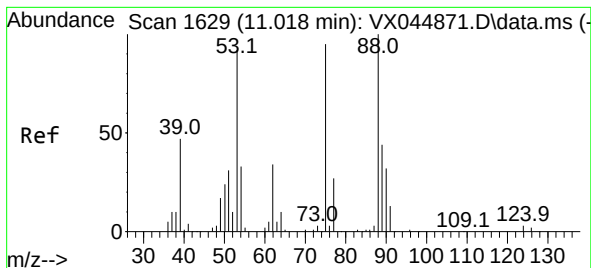
Tgt Ion: 91 Resp: 207868
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 48.466 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 105 Resp: 241259
Ion Ratio Lower Upper
105 100
120 47.5 24.0 72.0

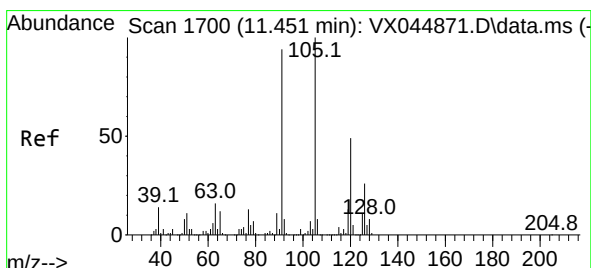
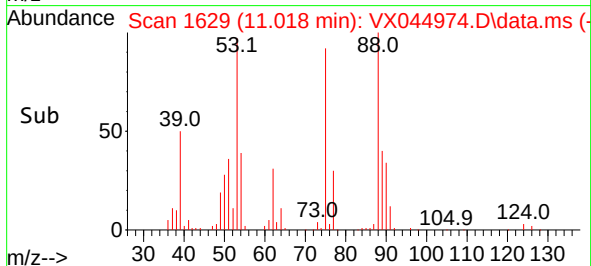
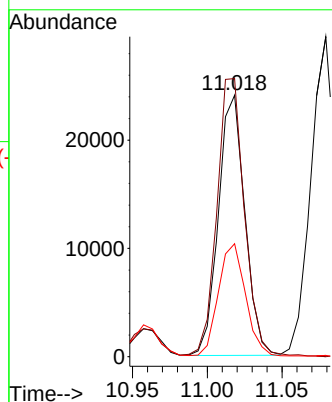
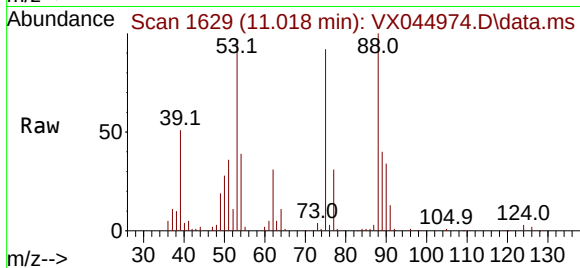




#81
trans-1,4-Dichloro-2-butene
Concen: 45.155 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

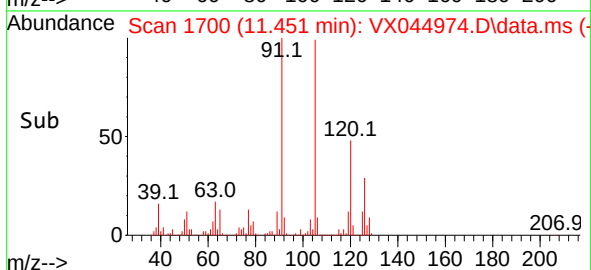
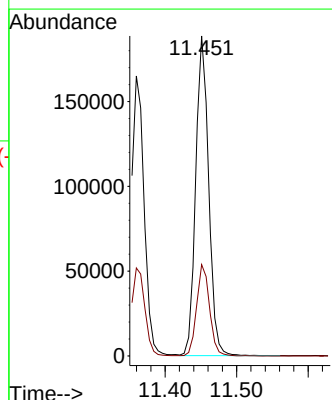
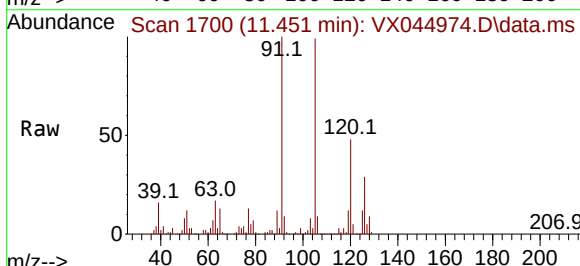
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

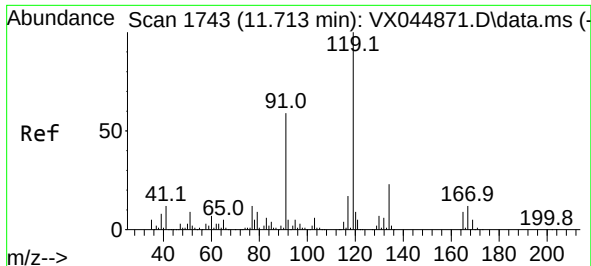
Tgt Ion: 75 Resp: 29650
Ion Ratio Lower Upper
75 100
53 111.7 78.0 117.0
89 44.3 36.6 54.8



#82
4-Chlorotoluene
Concen: 49.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 91 Resp: 236705
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6

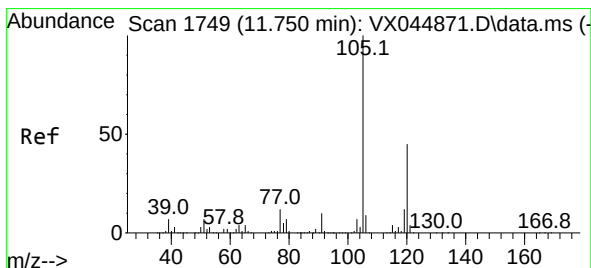
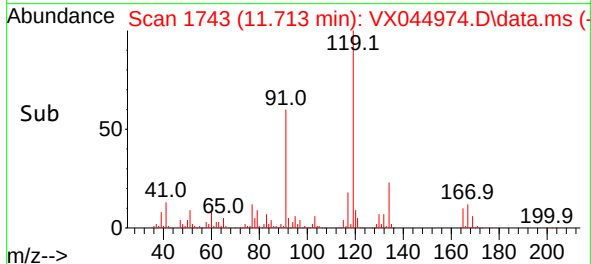
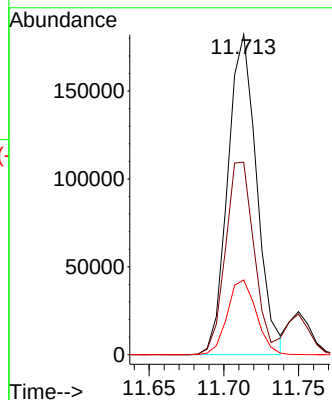
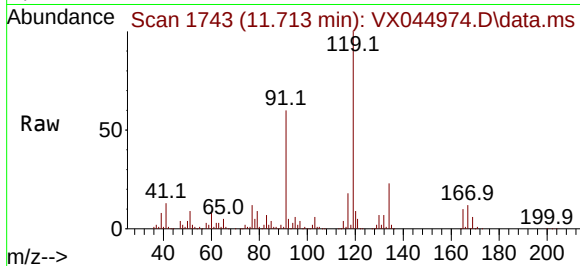




#83
tert-Butylbenzene
Concen: 48.679 ug/l
RT: 11.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

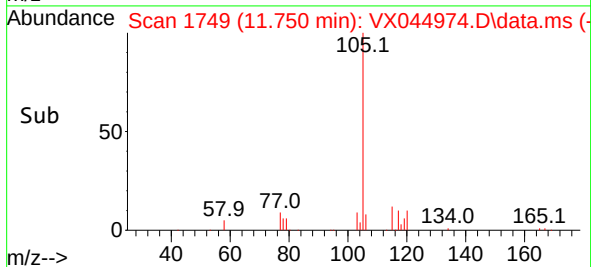
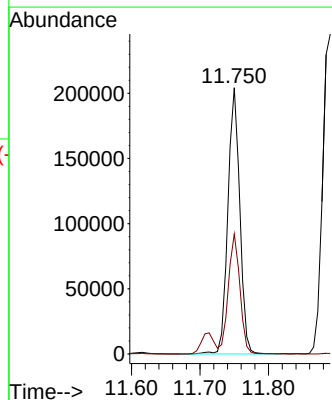
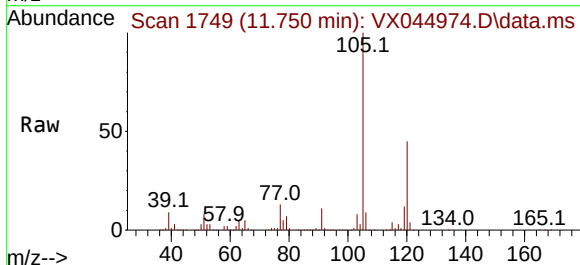
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

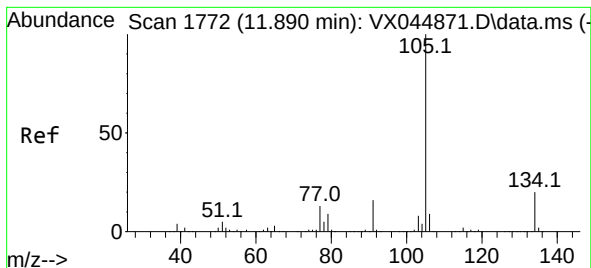
Tgt Ion:119 Resp: 245140
Ion Ratio Lower Upper
119 100
91 59.3 29.1 87.4
134 23.3 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 50.037 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:105 Resp: 245839
Ion Ratio Lower Upper
105 100
120 44.1 22.4 67.0

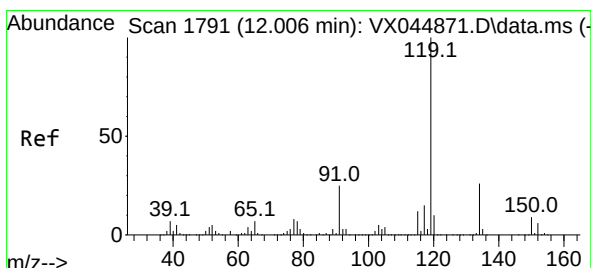
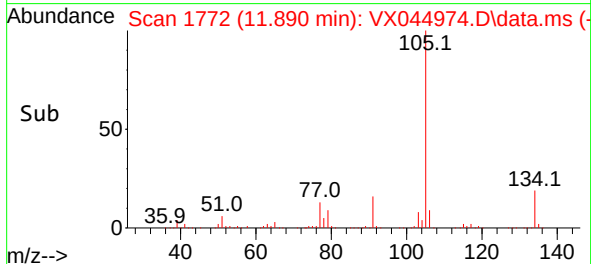
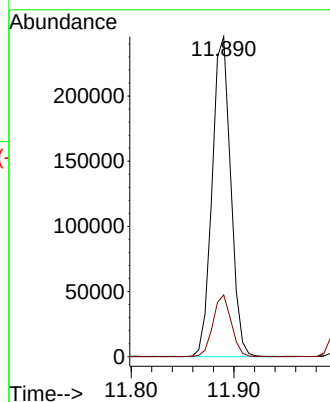
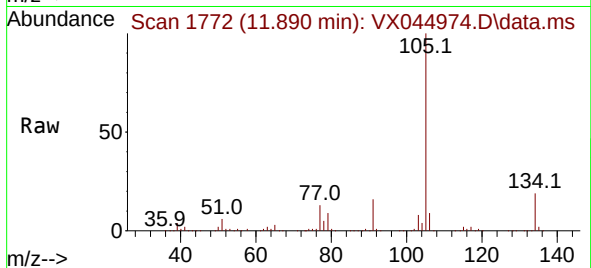




#85
 sec-Butylbenzene
 Concen: 49.539 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044974.D
 Acq: 14 Feb 2025 20:06

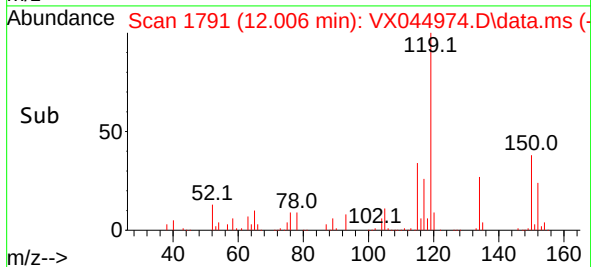
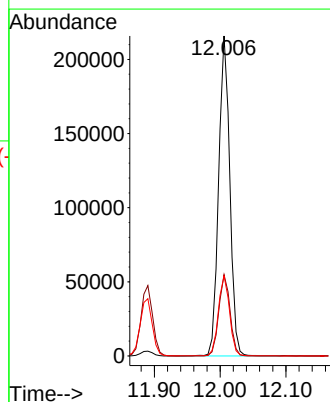
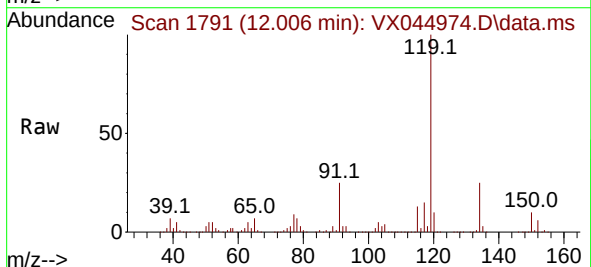
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

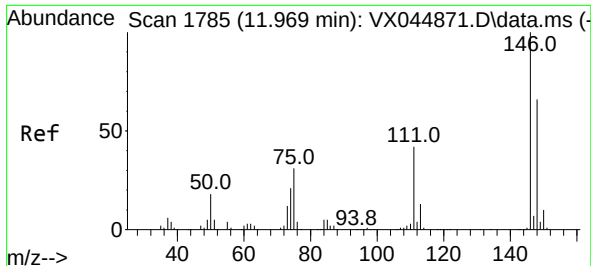
Tgt Ion:105 Resp: 308918
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 50.744 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044974.D
 Acq: 14 Feb 2025 20:06

Tgt Ion:119 Resp: 254468
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.069 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

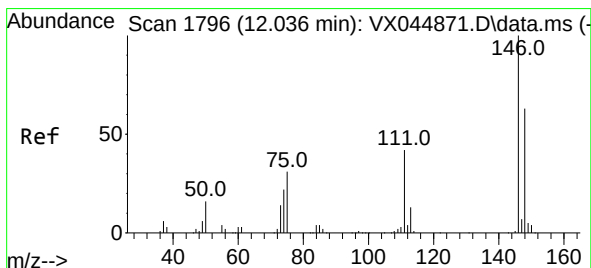
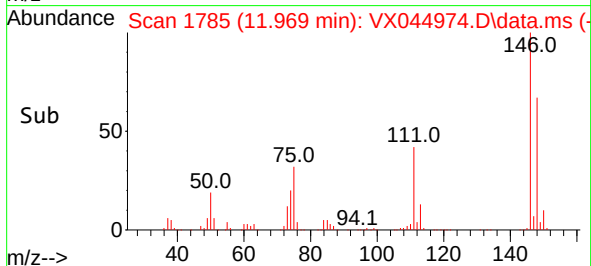
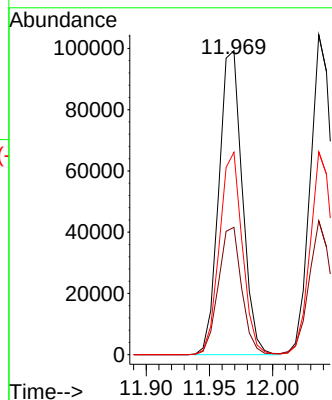
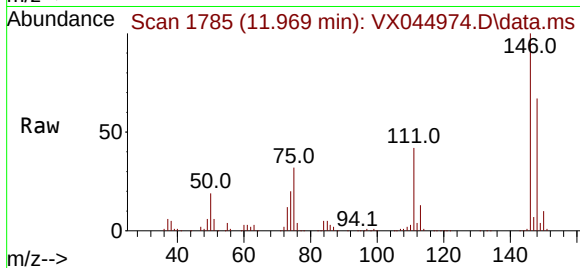
Tgt Ion:146 Resp: 128049

Ion Ratio Lower Upper

146 100

111 41.6 21.2 63.6

148 64.9 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 49.676 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044974.D

Acq: 14 Feb 2025 20:06

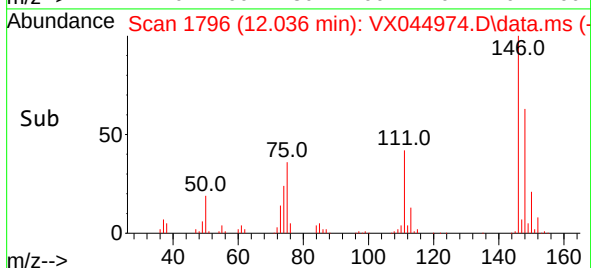
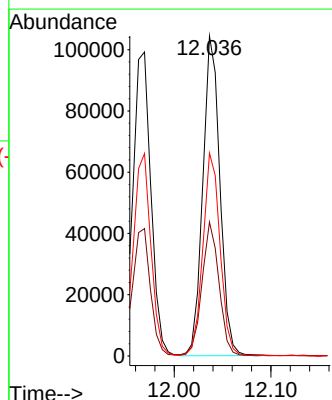
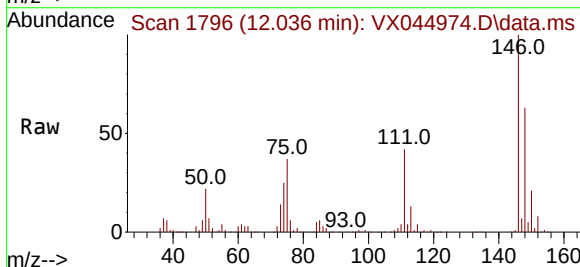
Tgt Ion:146 Resp: 128451

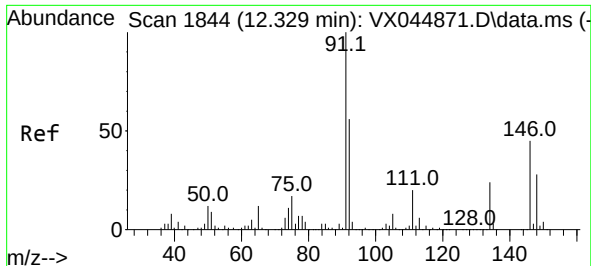
Ion Ratio Lower Upper

146 100

111 41.9 20.4 61.3

148 63.8 32.0 96.0

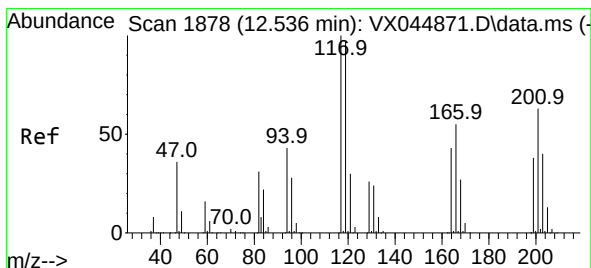
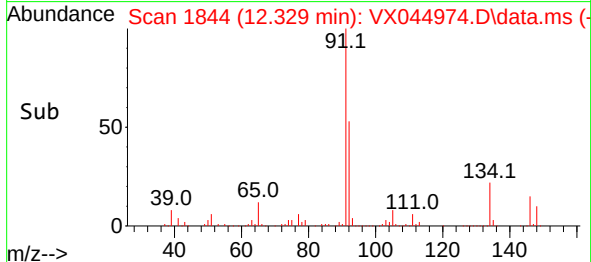
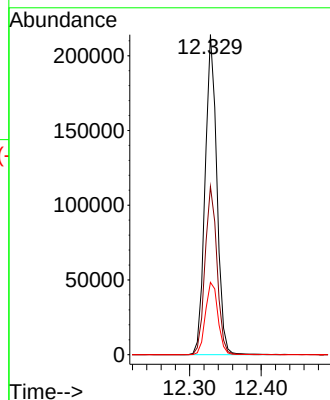
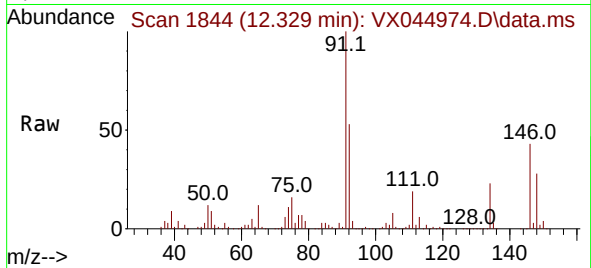




#89
n-Butylbenzene
Concen: 55.263 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

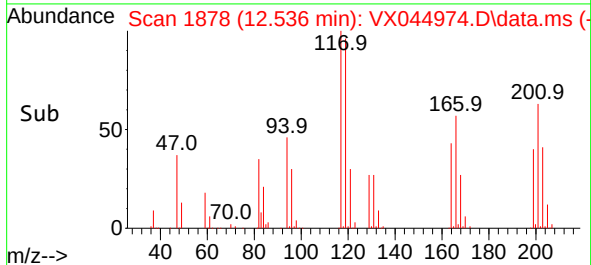
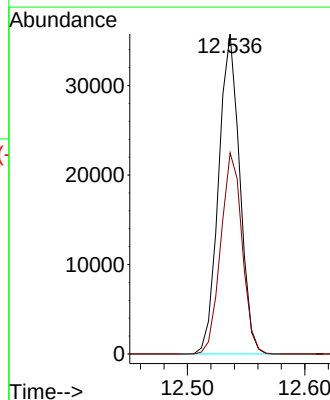
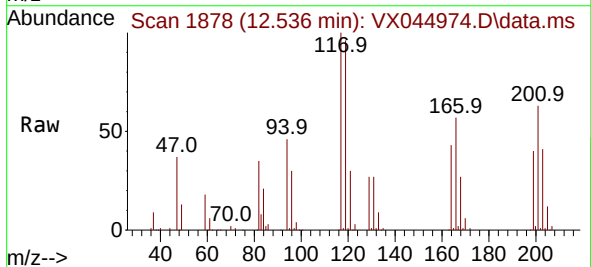
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

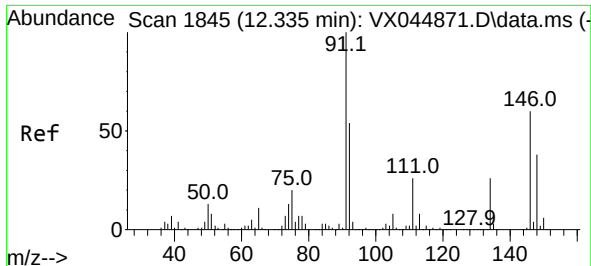
Tgt Ion: 91 Resp: 245173
Ion Ratio Lower Upper
91 100
92 53.5 27.2 81.6
134 24.0 12.1 36.3



#90
Hexachloroethane
Concen: 47.620 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 117 Resp: 44714
Ion Ratio Lower Upper
117 100
201 63.7 32.5 97.5

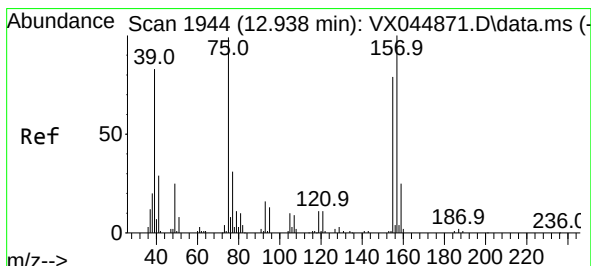
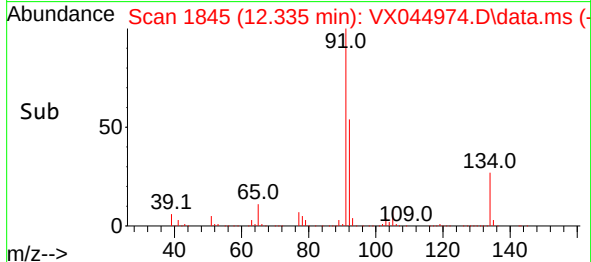
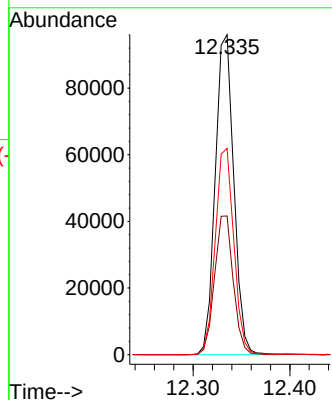
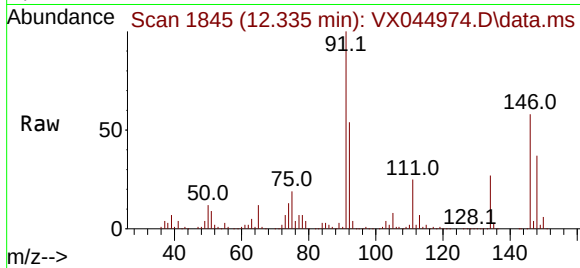




#91
1,2-Dichlorobenzene
Concen: 50.877 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

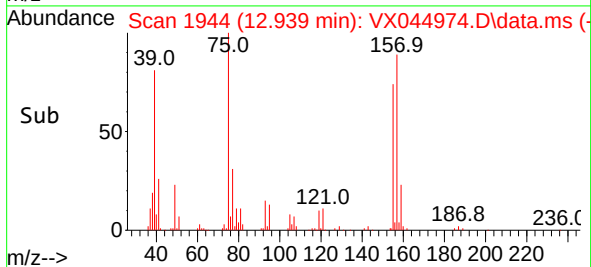
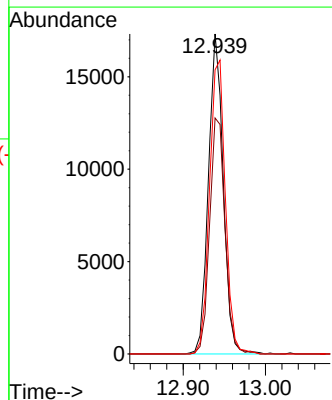
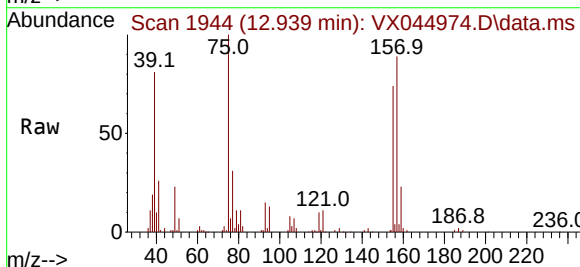
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

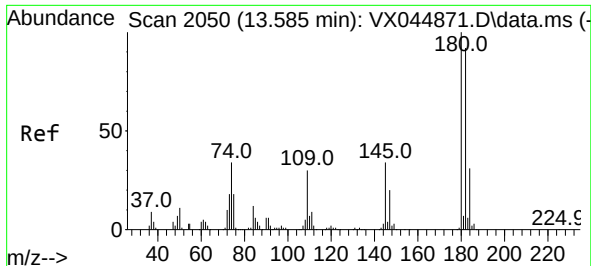
Tgt Ion:146 Resp: 127878
Ion Ratio Lower Upper
146 100
111 43.8 21.8 65.4
148 64.8 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 56.476 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion: 75 Resp: 21727
Ion Ratio Lower Upper
75 100
155 76.7 40.5 121.4
157 97.9 51.4 154.3

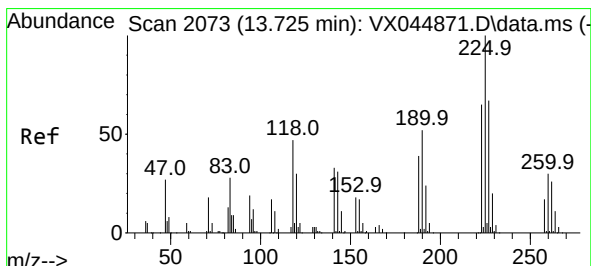
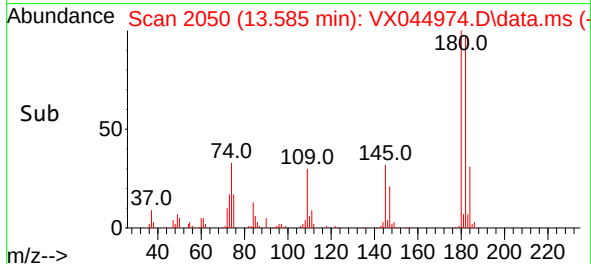
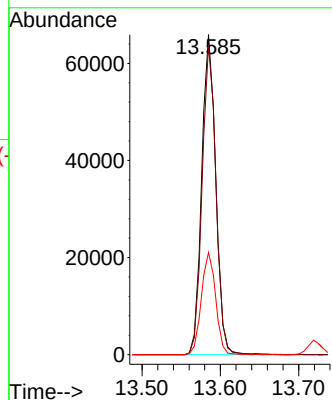
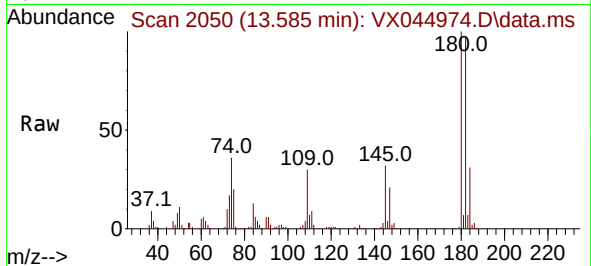




#93
1,2,4-Trichlorobenzene
Concen: 53.901 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

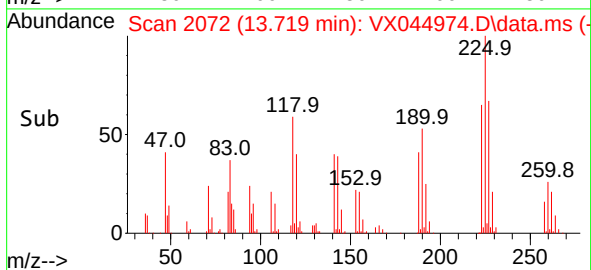
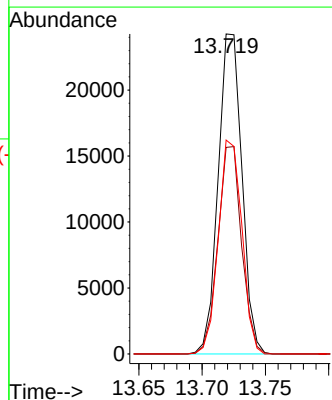
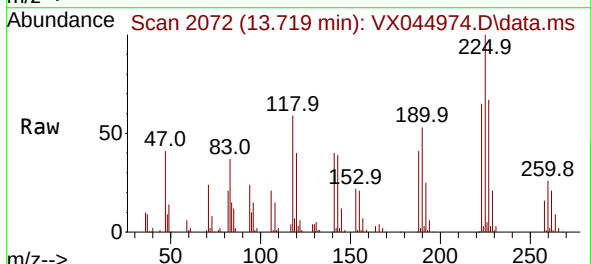
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

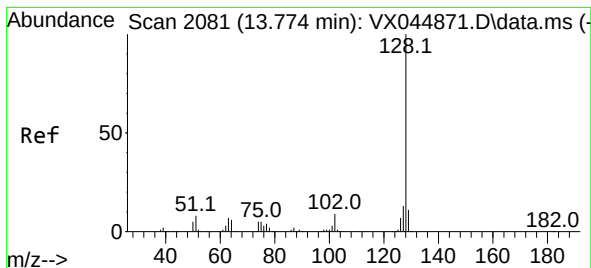
Tgt Ion:180 Resp: 81980
Ion Ratio Lower Upper
180 100
182 95.3 47.6 142.8
145 32.5 16.4 49.1



#94
Hexachlorobutadiene
Concen: 52.471 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:225 Resp: 31681
Ion Ratio Lower Upper
225 100
223 64.7 31.4 94.2
227 66.0 32.3 96.8

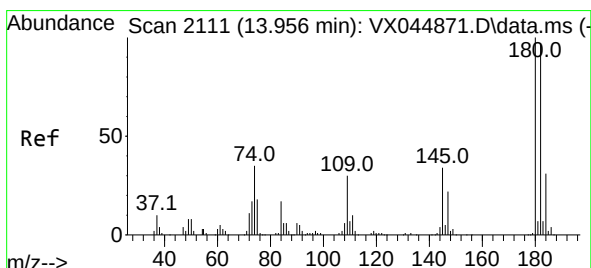
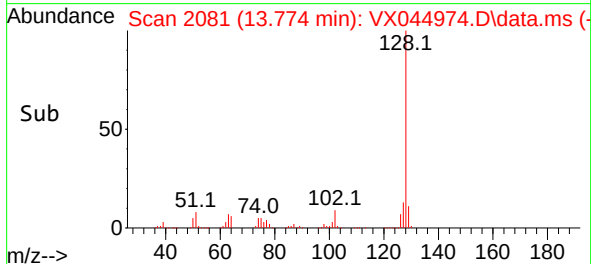
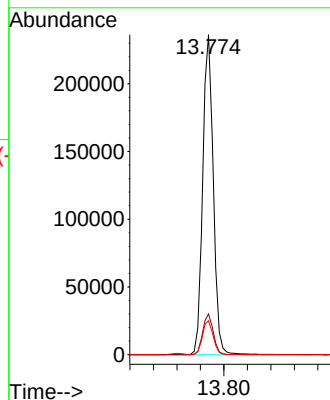
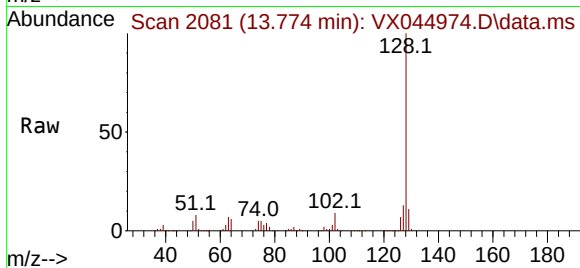




#95
Naphthalene
Concen: 53.406 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	128	Resp:	293624
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.463 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044974.D
Acq: 14 Feb 2025 20:06

Tgt Ion:	180	Resp:	80402
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.6	17.1	51.3

