

DATA PACKAGE VOLATILE ORGANICS

PROJECT NAME : NAVFAC NWIRP BETHPAGE, NY SITE 1 OU-2 - 32258

AECOM TECHNICAL SERVICES, INC.

13640 Briarwick Drive

Austin, TX - 78729

Phone No: 512-454-4797

ORDER ID : P5164

ATTENTION : Eleanor Vivadou



Laboratory Certification ID # 20012



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Cover Page

Order ID : P5164

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number

P5164-01
P5164-02
P5164-03
P5164-04
P5164-05
P5164-06

Client Sample Number

RE108D2-20241206
RE108D1-20241206
RE105D1-20241206
RE105D2-20241206
TB
FB-20241206

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 :

N. N. Pandya

APPROVED

Date: 12/13/2024
By Nimisha Pandya, QA/QC Supervisor at 11:58 am, Dec 13, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

AECOM Technical Services, Inc.

Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Project # N/A

Chemtech Project # P5164

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

6 Water samples were received on 12/06/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

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 VOCMS Group1 was based on method 8260D.

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 for {VX1209WBSD01} with File ID: VX044194.D met criteria except for Chloroethane[24%] due to difference in results of BS-BSD.

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 %RSD is greater than 20% in the Initial Calibration method (82X1121W.M) for Bromoform this compound is passing on Quadratic Regression.

The Continuous Calibration File ID VX044174.D met the requirements except for Bromodichloromethane, Dibromochloromethane, t-1,3-Dichloropropene and Trichlorofluoromethane failing high but no positive hit in associated samples therefore no corrective action taken.

The Continuous Calibration File ID VX044197.D met the requirements except for 2-Hexanone and 4-Methyl-2-Pentanone failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

Samples RE108D2-20241206, RE105D2-20241206 was analyzed with straight 20X dilution due to past history of these samples containing high amounts of compound Trichloroethene.

E. Additional Comments:

The Sample #RE108D2-20241206, RE105D1-20241206 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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. 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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:58 am, Dec 13, 2024

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: P5164

MATRIX: Water

METHOD: 8260D

		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 %RSD is greater than 20% in the Initial Calibration method (82X1121W.M) for Bromoform this compound is passing on Quadratic Regression. The Continuous Calibration File ID VX044174.D met the requirements except for Bromodichloromethane,Dibromochloromethane,t-1,3-Dichloropropene and Trichlorofluoromethane failing high but no positive hit in associated samples therefore no corrective action taken. The Continuous Calibration File ID VX044197.D met the requirements except for 2- Hexanone and 4-Methyl-2-Pentanone failing high but no positive hit in associated samples therefore no corrective action taken.			✓
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. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD for {VX1209WBSD01} with File ID: VX044194.D met criteria except for Chloroethane[24%] due to difference in results of BS-BSD.		✓	

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

		NA	NO	YES
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 RE108D2-20241206, RE105D2-20241206 was analyzed with straight 20X dilution due to past history of these samples containing high amounts of compound Trichloroethene.

The Sample #RE108D2-20241206, RE105D1-20241206 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

QA REVIEW

By Sohil Jodhani, QA/QC Director at 11:56 am, Dec 13, 2024

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5164

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: 12/13/2024

LAB CHRONICLE

OrderID:	P5164	OrderDate:	12/6/2024 1:09:00 PM
Client:	AECOM Technical Services, Inc.	Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	Location:	L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5164-01	RE108D2-20241206	Water	VOCMS Group1	8260-Low	12/06/24		12/09/24	12/06/24
P5164-02	RE108D1-20241206	Water	VOCMS Group1	8260-Low	12/06/24		12/09/24	12/06/24
P5164-03	RE105D1-20241206	Water	VOCMS Group1	8260-Low	12/06/24		12/09/24	12/06/24
P5164-04	RE105D2-20241206	Water	VOCMS Group1	8260-Low	12/06/24		12/09/24	12/06/24
P5164-05	TB	Water	VOCMS Group1	8260-Low	12/06/24		12/10/24	12/06/24
P5164-06	FB-20241206	Water	VOCMS Group1	8260-Low	12/06/24		12/09/24	12/06/24

Hit Summary Sheet
SW-846

SDG No.: P5164
Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RE108D2-20241206								
P5164-01	RE108D2-20241206	Water	Trichloroethene	1300		6.40	15.0	20.0	ug/L
			Total Voc :	1300					
			Total Concentration:	1300					
Client ID:	RE108D1-20241206								
P5164-02	RE108D1-20241206	Water	1,1,2-Trichlorotrifluoroethane	0.33	J	0.25	0.50	1.00	ug/L
P5164-02	RE108D1-20241206	Water	Acetone	1.60	J	1.40	3.80	5.00	ug/L
P5164-02	RE108D1-20241206	Water	Trichloroethene	24.5		0.32	0.75	1.00	ug/L
P5164-02	RE108D1-20241206	Water	Tetrachloroethene	2.30		0.25	0.50	1.00	ug/L
			Total Voc :	28.7					
			Total Concentration:	28.7					
Client ID:	RE105D1-20241206								
P5164-03	RE105D1-20241206	Water	Dichlorodifluoromethane	1.10		0.21	0.50	1.00	ug/L
P5164-03	RE105D1-20241206	Water	1,1,2-Trichlorotrifluoroethane	6.10		0.25	0.50	1.00	ug/L
P5164-03	RE105D1-20241206	Water	1,1-Dichloroethene	0.76	J	0.26	0.75	1.00	ug/L
P5164-03	RE105D1-20241206	Water	Methylene Chloride	0.36	J	0.32	0.50	1.00	ug/L
P5164-03	RE105D1-20241206	Water	Trichloroethene	39.6		0.32	0.75	1.00	ug/L
			Total Voc :	47.9					
			Total Concentration:	47.9					
Client ID:	RE105D2-20241206								
P5164-04	RE105D2-20241206	Water	1,1,2-Trichlorotrifluoroethane	18.8	J	5.00	10.0	20.0	ug/L
P5164-04	RE105D2-20241206	Water	Trichloroethene	1600		6.40	15.0	20.0	ug/L
			Total Voc :	1620					
			Total Concentration:	1620					
Client ID:	TB								
P5164-05	TB	Water	Chloromethane	1.20		0.35	0.50	1.00	ug/L
P5164-05	TB	Water	Acetone	1.40	J	1.40	3.80	5.00	ug/L
P5164-05	TB	Water	Methylene Chloride	0.58	J	0.32	0.50	1.00	ug/L
			Total Voc :	3.18					
			Total Concentration:	3.18					
Client ID:	FB-20241206								
P5164-06	FB-20241206	Water	Acetone	3.10	J	1.40	3.80	5.00	ug/L
P5164-06	FB-20241206	Water	Methylene Chloride	0.45	J	0.32	0.50	1.00	ug/L
			Total Voc :	3.55					
			Total Concentration:	3.55					



QC SUMMARY

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Surrogate Summary

SDG No.: **P5164**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5164-01	RE108D2-20241206	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	46.1	92	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114
P5164-02	RE108D1-20241206	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	46.6	93	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	46.7	93	85	114
P5164-03	RE105D1-20241206	1,2-Dichloroethane-d4	50	50.3	101	81	118
		Dibromofluoromethane	50	45.7	91	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
P5164-04	RE105D2-20241206	1,2-Dichloroethane-d4	50	50.5	101	81	118
		Dibromofluoromethane	50	46.1	92	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	51.5	103	85	114
P5164-05	TB	1,2-Dichloroethane-d4	50	49.5	99	81	118
		Dibromofluoromethane	50	45.5	91	80	119
		Toluene-d8	50	49.0	98	89	112
		4-Bromofluorobenzene	50	48.2	96	85	114
P5164-06	FB-20241206	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	44.7	89	80	119
		Toluene-d8	50	49.8	100	89	112
		4-Bromofluorobenzene	50	49.6	99	85	114
VX1209WBL01	VX1209WBL01	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	46.4	93	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	49.2	98	85	114
VX1209WBS01	VX1209WBS01	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
VX1209WBSD01	VX1209WBSD01	1,2-Dichloroethane-d4	50	55.7	111	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
VX1210WBL01	VX1210WBL01	1,2-Dichloroethane-d4	50	49.7	99	81	118
		Dibromofluoromethane	50	46.4	93	80	119
		Toluene-d8	50	49.1	98	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
VX1210WBS01	VX1210WBS01	1,2-Dichloroethane-d4	50	52.6	105	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	49.6	99	89	112
		4-Bromofluorobenzene	50	51.7	103	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX044178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1209WBS01	Dichlorodifluoromethane	20	14.8	ug/L	74			32	152	
	Chloromethane	20	15.9	ug/L	79			50	139	
	Vinyl chloride	20	16.0	ug/L	80			58	137	
	Bromomethane	20	19.4	ug/L	97			53	141	
	Chloroethane	20	19.9	ug/L	100			60	138	
	Trichlorofluoromethane	20	19.5	ug/L	98			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70	136	
	1,1-Dichloroethene	20	16.9	ug/L	85			71	131	
	Acetone	100	96.9	ug/L	97			39	160	
	Carbon disulfide	20	13.9	ug/L	70			64	133	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			71	124	
	Methyl Acetate	20	19.8	ug/L	99			56	136	
	Methylene Chloride	20	17.9	ug/L	90			74	124	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			75	124	
	1,1-Dichloroethane	20	19.0	ug/L	95			77	125	
	Cyclohexane	20	17.9	ug/L	90			71	130	
	2-Butanone	100	99.5	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.2	ug/L	91			72	136	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			78	123	
	Bromochloromethane	20	21.7	ug/L	109			78	123	
	Chloroform	20	19.4	ug/L	97			79	124	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			74	131	
	Methylcyclohexane	20	18.1	ug/L	91			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	20.0	ug/L	100			73	128	
	Trichloroethene	20	15.8	ug/L	79			79	123	
	1,2-Dichloropropane	20	19.2	ug/L	96			78	122	
	Bromodichloromethane	20	19.3	ug/L	97			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			73	127	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			75	124	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	18.9	ug/L	95			74	126	
	1,2-Dibromoethane	20	20.0	ug/L	100			77	121	
	Tetrachloroethene	20	19.9	ug/L	100			74	129	
	Chlorobenzene	20	18.9	ug/L	95			82	118	
	Ethyl Benzene	20	19.7	ug/L	99			79	121	
	m/p-Xylenes	40	38.8	ug/L	97			80	121	
	o-Xylene	20	20.2	ug/L	101			78	122	
	Styrene	20	19.6	ug/L	98			78	123	
	Bromoform	20	17.1	ug/L	86			66	130	
	Isopropylbenzene	20	20.2	ug/L	101			72	131	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			71	121	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			80	119	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			79	118	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX044178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1209WBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			62	128	
	1,2,4-Trichlorobenzene	20	18.6	ug/L	93			69	130	
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97			69	129	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX044194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1209WBSD01	Dichlorodifluoromethane	20	16.0	ug/L	80	8		32	152	20
	Chloromethane	20	18.1	ug/L	91	14		50	139	20
	Vinyl chloride	20	18.3	ug/L	92	14		58	137	20
	Bromomethane	20	21.0	ug/L	105	8		53	141	20
	Chloroethane	20	25.4	ug/L	127	24	*	60	138	20
	Trichlorofluoromethane	20	19.8	ug/L	99	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92	1		70	136	20
	1,1-Dichloroethene	20	19.1	ug/L	96	12		71	131	20
	Acetone	100	100	ug/L	100	3		39	160	20
	Carbon disulfide	20	13.8	ug/L	69	1		64	133	20
	Methyl tert-butyl Ether	20	21.9	ug/L	110	9		71	124	20
	Methyl Acetate	20	21.5	ug/L	108	9		56	136	20
	Methylene Chloride	20	19.9	ug/L	100	11		74	124	20
	trans-1,2-Dichloroethene	20	19.5	ug/L	98	10		75	124	20
	1,1-Dichloroethane	20	21.2	ug/L	106	11		77	125	20
	Cyclohexane	20	18.8	ug/L	94	4		71	130	20
	2-Butanone	100	110	ug/L	110	10		56	143	20
	Carbon Tetrachloride	20	19.4	ug/L	97	6		72	136	20
	cis-1,2-Dichloroethene	20	21.3	ug/L	106	13		78	123	20
	Bromochloromethane	20	18.9	ug/L	95	14		78	123	20
	Chloroform	20	22.3	ug/L	112	14		79	124	20
	1,1,1-Trichloroethane	20	21.3	ug/L	106	9		74	131	20
	Methylcyclohexane	20	18.4	ug/L	92	1		72	132	20
	Benzene	20	20.2	ug/L	101	8		79	120	20
	1,2-Dichloroethane	20	21.5	ug/L	108	8		73	128	20
	Trichloroethene	20	17.9	ug/L	90	13		79	123	20
	1,2-Dichloropropane	20	20.0	ug/L	100	4		78	122	20
	Bromodichloromethane	20	20.4	ug/L	102	5		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		67	130	20
	Toluene	20	20.8	ug/L	104	6		80	121	20
	t-1,3-Dichloropropene	20	19.8	ug/L	99	4		73	127	20
	cis-1,3-Dichloropropene	20	20.2	ug/L	101	5		75	124	20
	1,1,2-Trichloroethane	20	21.5	ug/L	108	11		80	119	20
	2-Hexanone	100	120	ug/L	120	18		57	139	20
	Dibromochloromethane	20	19.8	ug/L	99	4		74	126	20
	1,2-Dibromoethane	20	21.3	ug/L	106	6		77	121	20
	Tetrachloroethene	20	19.6	ug/L	98	2		74	129	20
	Chlorobenzene	20	20.0	ug/L	100	5		82	118	20
	Ethyl Benzene	20	20.9	ug/L	104	5		79	121	20
	m/p-Xylenes	40	41.4	ug/L	104	7		80	121	20
	o-Xylene	20	21.3	ug/L	106	5		78	122	20
	Styrene	20	21.1	ug/L	106	8		78	123	20
	Bromoform	20	17.5	ug/L	88	2		66	130	20
	Isopropylbenzene	20	21.9	ug/L	110	9		72	131	20
	1,1,2,2-Tetrachloroethane	20	22.2	ug/L	111	9		71	121	20
	1,3-Dichlorobenzene	20	20.6	ug/L	103	7		80	119	20
	1,4-Dichlorobenzene	20	20.0	ug/L	100	5		79	118	20
	1,2-Dichlorobenzene	20	21.3	ug/L	106	10		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX044194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1209WBSD01	1,2-Dibromo-3-Chloropropane	20	20.7	ug/L	104	6		62	128	20
	1,2,4-Trichlorobenzene	20	19.4	ug/L	97	4		69	130	20
	1,2,3-Trichlorobenzene	20	20.0	ug/L	100	3		69	129	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX044201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1210WBS01	Dichlorodifluoromethane	20	15.1	ug/L	76			32	152	
	Chloromethane	20	15.9	ug/L	79			50	139	
	Vinyl chloride	20	17.7	ug/L	89			58	137	
	Bromomethane	20	20.3	ug/L	102			53	141	
	Chloroethane	20	21.4	ug/L	107			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70	136	
	1,1-Dichloroethene	20	17.5	ug/L	88			71	131	
	Acetone	100	91.1	ug/L	91			39	160	
	Carbon disulfide	20	12.9	ug/L	65			64	133	
	Methyl tert-butyl Ether	20	20.4	ug/L	102			71	124	
	Methyl Acetate	20	20.4	ug/L	102			56	136	
	Methylene Chloride	20	18.4	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	17.6	ug/L	88			75	124	
	1,1-Dichloroethane	20	19.2	ug/L	96			77	125	
	Cyclohexane	20	17.7	ug/L	89			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.3	ug/L	92			72	136	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			78	123	
	Bromochloromethane	20	21.3	ug/L	106			78	123	
	Chloroform	20	20.1	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			74	131	
	Methylcyclohexane	20	16.8	ug/L	84			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	20.2	ug/L	101			73	128	
	Trichloroethene	20	16.4	ug/L	82			79	123	
	1,2-Dichloropropane	20	19.7	ug/L	99			78	122	
	Bromodichloromethane	20	20.0	ug/L	100			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.9	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			73	127	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			75	124	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	18.8	ug/L	94			74	126	
	1,2-Dibromoethane	20	20.6	ug/L	103			77	121	
	Tetrachloroethene	20	19.9	ug/L	100			74	129	
	Chlorobenzene	20	19.6	ug/L	98			82	118	
	Ethyl Benzene	20	20.0	ug/L	100			79	121	
	m/p-Xylenes	40	40.3	ug/L	101			80	121	
	o-Xylene	20	20.3	ug/L	102			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	17.7	ug/L	89			66	130	
	Isopropylbenzene	20	20.1	ug/L	101			72	131	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104			71	121	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5164

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Datafile : VX044201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1210WBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			62	128	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			69	130	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			69	129	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1209WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: P5164

SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044176.D

Lab Sample ID: VX1209WBL01

Date Analyzed: 12/09/2024

Time Analyzed: 10:35

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
VX1209WBS01	VX1209WBS01	VX044178.D	12/09/2024
FB-20241206	P5164-06	VX044186.D	12/09/2024
RE108D1-20241206	P5164-02	VX044188.D	12/09/2024
RE105D1-20241206	P5164-03	VX044189.D	12/09/2024
RE108D2-20241206	P5164-01	VX044192.D	12/09/2024
RE105D2-20241206	P5164-04	VX044193.D	12/09/2024
VX1209WBSD01	VX1209WBSD01	VX044194.D	12/09/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1210WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM Case No.: P5164

SAS No.: P5164 SDG NO.: P5164

Lab File ID: VX044199.D

Lab Sample ID: VX1210WBL01

Date Analyzed: 12/10/2024

Time Analyzed: 11:35

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
TB	P5164-05	VX044200.D	12/10/2024
VX1210WBS01	VX1210WBS01	VX044201.D	12/10/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164
 Lab File ID: VX043924.D BFB Injection Date: 11/21/2024
 Instrument ID: MSVOA_X BFB Injection Time: 08:51
 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	22.4
75	30.0 - 60.0% of mass 95	54.2
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.8 (6.8) 1
176	95.0 - 101.0% of mass 174	67.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 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	VX043925.D	11/21/2024	09:47
VSTDIC005	VSTDIC005	VX043926.D	11/21/2024	10:14
VSTDIC020	VSTDIC020	VX043927.D	11/21/2024	10:37
VSTDIC050	VSTDIC050	VX043928.D	11/21/2024	11:17
VSTDIC100	VSTDIC100	VX043929.D	11/21/2024	11:40
VSTDIC150	VSTDIC150	VX043930.D	11/21/2024	12:03

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164
 Lab File ID: VX044173.D BFB Injection Date: 12/09/2024
 Instrument ID: MSVOA_X BFB Injection Time: 09:06
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	69.6
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	68.7 (98.7) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDCCC050	VSTDCCC050	VX044174.D	12/09/2024	09:42
VX1209WBL01	VX1209WBL01	VX044176.D	12/09/2024	10:35
VX1209WBS01	VX1209WBS01	VX044178.D	12/09/2024	11:24
FB-20241206	P5164-06	VX044186.D	12/09/2024	14:30
RE108D1-20241206	P5164-02	VX044188.D	12/09/2024	15:17
RE105D1-20241206	P5164-03	VX044189.D	12/09/2024	15:40
RE108D2-20241206	P5164-01	VX044192.D	12/09/2024	16:51
RE105D2-20241206	P5164-04	VX044193.D	12/09/2024	17:14
VX1209WBSD01	VX1209WBSD01	VX044194.D	12/09/2024	17:37
VSTDCCC050EC	VSTDCCC050	VX044195.D	12/09/2024	18:00

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164
 Lab File ID: VX044196.D BFB Injection Date: 12/10/2024
 Instrument ID: MSVOA_X BFB Injection Time: 09:01
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	69.5 (99) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDCCC050	VSTDCCC050	VX044197.D	12/10/2024	10:43
VX1210WBL01	VX1210WBL01	VX044199.D	12/10/2024	11:35
TB	P5164-05	VX044200.D	12/10/2024	11:59
VX1210WBS01	VX1210WBS01	VX044201.D	12/10/2024	12:22
VSTDCCC050EC	VSTDCCC050	VX044217.D	12/10/2024	18:44

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164
Lab File ID: VX044174.D Date Analyzed: 12/09/2024
Instrument ID: MSVOA_X Time Analyzed: 09:42
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	128814	5.54	227273	6.75	196952	10.05
UPPER LIMIT	257628	6.038	454546	7.251	393904	10.549
LOWER LIMIT	64407	5.038	113637	6.251	98476	9.549
EPA SAMPLE NO.						
RE108D2-20241206	107002	5.55	205381	6.76	184408	10.06
RE108D1-20241206	120459	5.54	226191	6.76	192858	10.06
RE105D1-20241206	108813	5.54	204658	6.76	176157	10.06
RE105D2-20241206	109323	5.55	207584	6.76	182923	10.06
FB-20241206	105637	5.55	204810	6.76	181265	10.06
VX1209WBL01	127252	5.54	245969	6.76	212379	10.05
VX1209WBS01	138067	5.55	244472	6.76	208975	10.05
VX1209WBSD01	135757	5.55	248673	6.76	215697	10.06

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: AECO15
Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164
Lab File ID: VX044174.D Date Analyzed: 12/09/2024
Instrument ID: MSVOA_X Time Analyzed: 09:42
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	97559	12.018				
UPPER LIMIT	195118	12.518				
LOWER LIMIT	48779.5	11.518				
EPA SAMPLE NO.						
RE108D2-20241206	80855	12.02				
RE108D1-20241206	74622	12.02				
RE105D1-20241206	70850	12.02				
RE105D2-20241206	82399	12.02				
FB-20241206	74280	12.02				
VX1209WBL01	90543	12.02				
VX1209WBS01	95808	12.02				
VX1209WBSD01	96570	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15
Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164
Lab File ID: VX044197.D Date Analyzed: 12/10/2024
Instrument ID: MSVOA_X Time Analyzed: 10:43
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	121082	5.54	212067	6.76	187191	10.05
UPPER LIMIT	242164	6.038	424134	7.257	374382	10.549
LOWER LIMIT	60541	5.038	106034	6.257	93595.5	9.549
EPA SAMPLE NO.						
TB	112437	5.55	211530	6.76	185283	10.06
VX1210WBL01	110263	5.54	207593	6.76	178508	10.06
VX1210WBS01	143461	5.54	255477	6.76	217630	10.06

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: AECO15
Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG NO.: P5164
Lab File ID: VX044197.D Date Analyzed: 12/10/2024
Instrument ID: MSVOA_X Time Analyzed: 10:43
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	91127	12.024				
UPPER LIMIT	182254	12.524				
LOWER LIMIT	45563.5	11.524				
EPA SAMPLE NO.						
TB	76755	12.02				
VX1210WBL01	71476	12.02				
VX1210WBS01	101326	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:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE108D2-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044192.D	20		12/09/24 16:51	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	U	4.20	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	U	7.00	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	U	6.80	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	U	27.2	75.0	100	ug/L
75-00-3	Chloroethane	15.0	U	11.2	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	6.80	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	U	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	U	5.20	15.0	20.0	ug/L
67-64-1	Acetone	75.0	U	27.8	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	U	6.40	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	U	12.0	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	U	6.40	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	5.00	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	U	32.4	50.0	100	ug/L
78-93-3	2-Butanone	50.0	U	26.0	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	U	5.00	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	U	5.20	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	3.80	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	3.80	10.0	20.0	ug/L
71-43-2	Benzene	10.0	U	3.20	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	4.80	10.0	20.0	ug/L
79-01-6	Trichloroethene	1300		6.40	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	3.80	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	4.80	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	15.0	50.0	100	ug/L
108-88-3	Toluene	10.0	U	3.60	10.0	20.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE108D2-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044192.D	20		12/09/24 16:51	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	U	4.20	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	3.60	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	U	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	U	22.6	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	3.20	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	5.00	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	U	2.60	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	U	3.20	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	U	6.20	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	U	2.80	10.0	20.0	ug/L
100-42-5	Styrene	10.0	U	3.20	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	U	4.20	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	U	2.60	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	5.40	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	4.80	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	5.40	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	3.80	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	U	9.20	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	8.40	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	U	10.2	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	107000	5.55				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	184000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	80900	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE108D2-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044192.D	20		12/09/24 16:51	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

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\VX120924\
Data File : VX044192.D
Acq On : 09 Dec 2024 16:51
Operator : JC/MD
Sample : P5164-01 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Quant Time: Dec 10 01:45:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

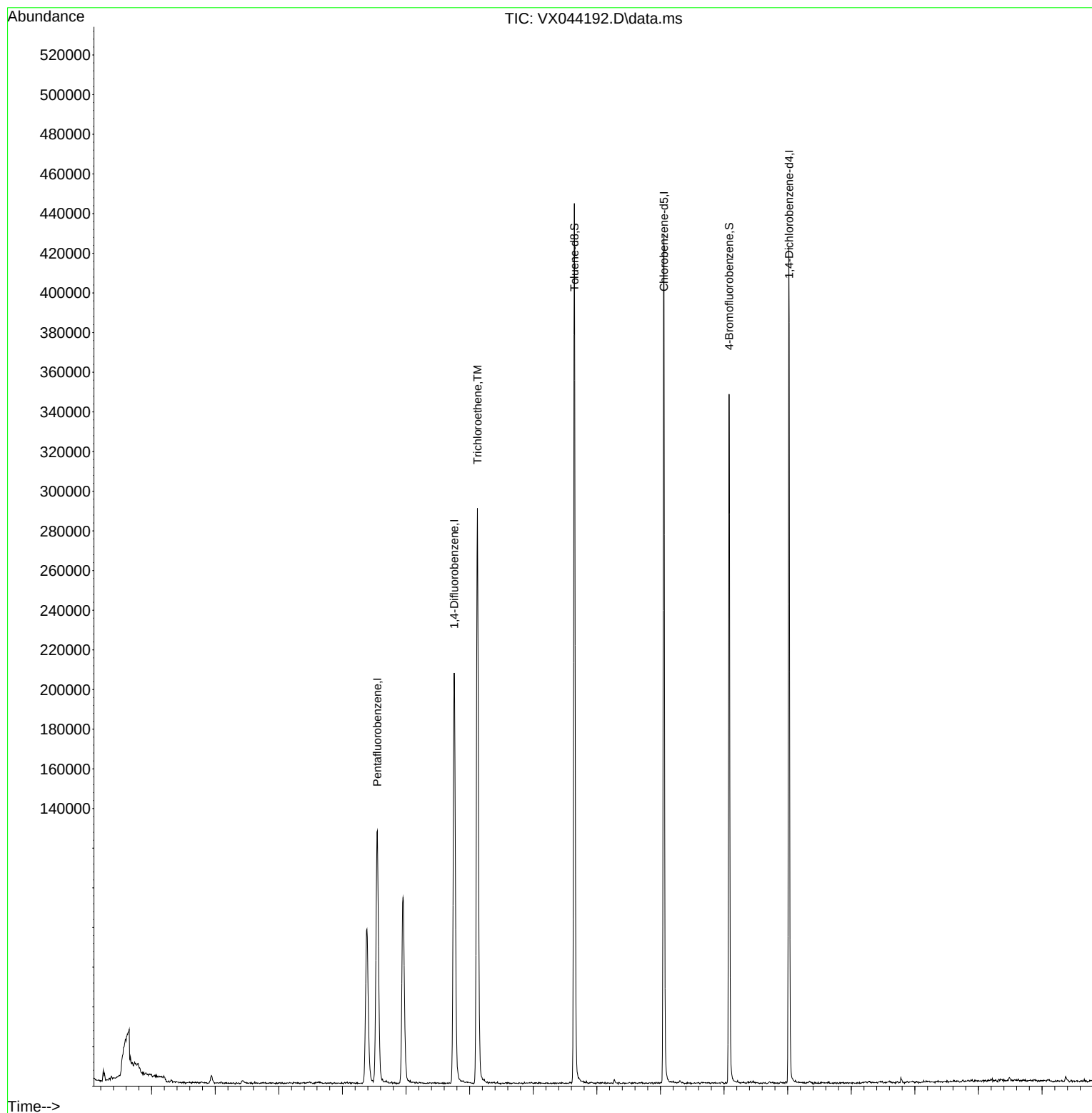
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	107002	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	205381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93887	51.157	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.320%	
35) Dibromofluoromethane	5.385	113	67725	46.148	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	92.300%	
50) Toluene-d8	8.647	98	256043	50.613	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.220%	
62) 4-Bromofluorobenzene	11.079	95	89607	52.047	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	104.100%	
Target Compounds						
16) Acetone	2.380	43	744	0.883	ug/l #	75
44) Trichloroethene	7.123	130	104717	64.937	ug/l	93

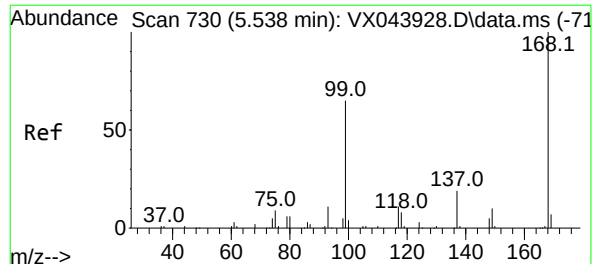
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044192.D
Acq On : 09 Dec 2024 16:51
Operator : JC/MD
Sample : P5164-01 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

Quant Time: Dec 10 01:45:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

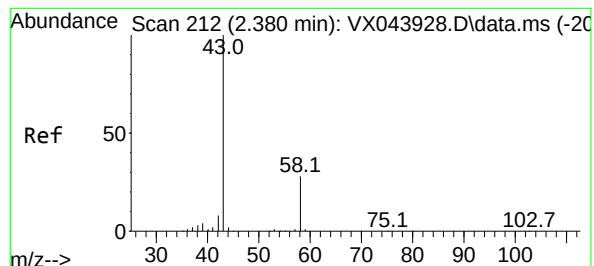
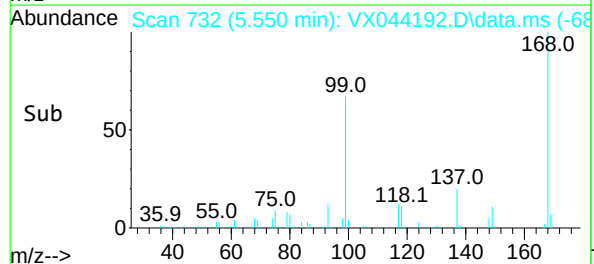
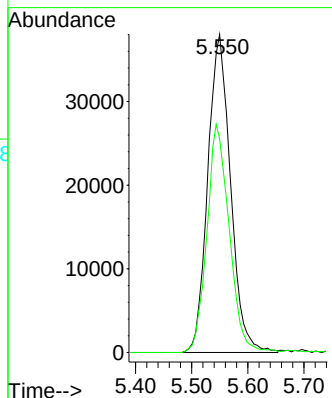
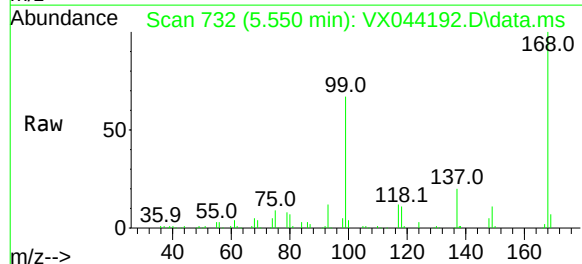




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 730
Delta R.T. 0.012 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

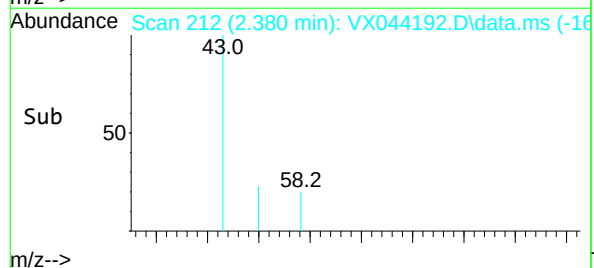
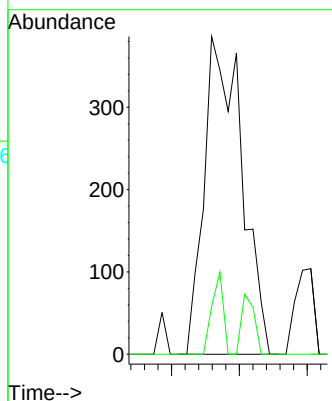
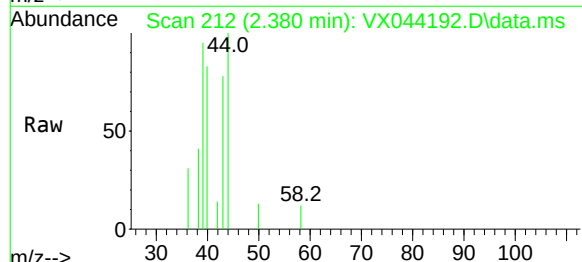
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

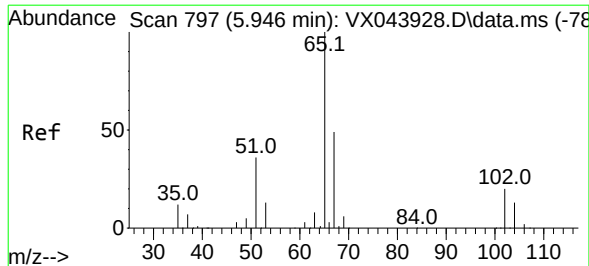
Tgt Ion: 168 Resp: 107002
Ion Ratio Lower Upper
168 100
99 67.2 51.8 77.8



#16
Acetone
Concen: 0.883 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 15.0 22.7 34.1#

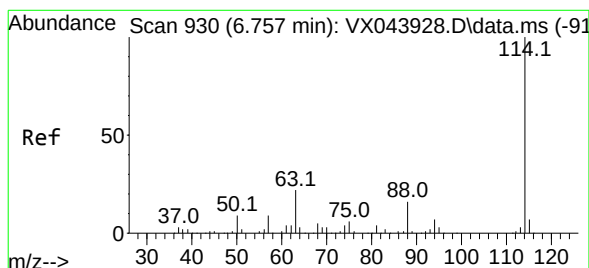
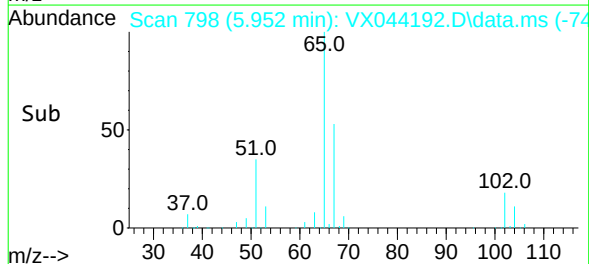
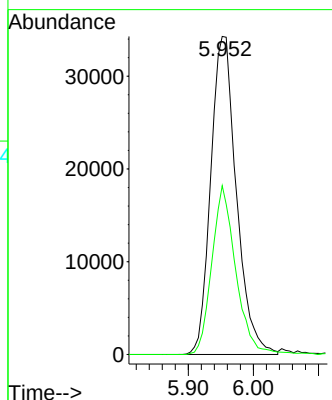
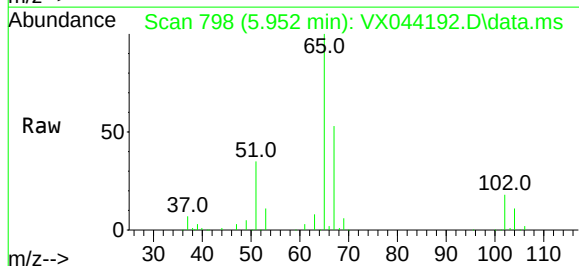




#33
1,2-Dichloroethane-d4
Concen: 51.157 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

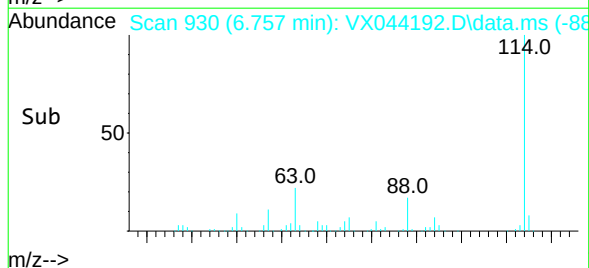
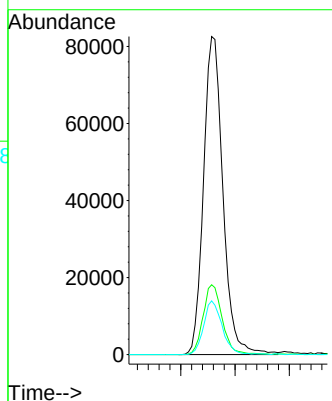
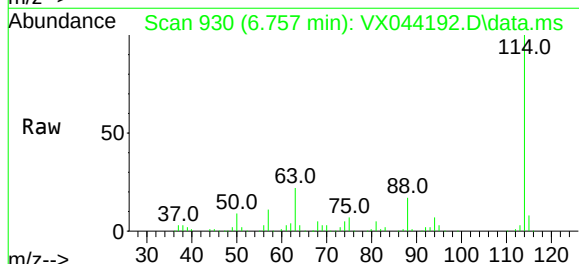
Instrument :
MSVOA_X
ClientSampleId :
RE108D2-20241206

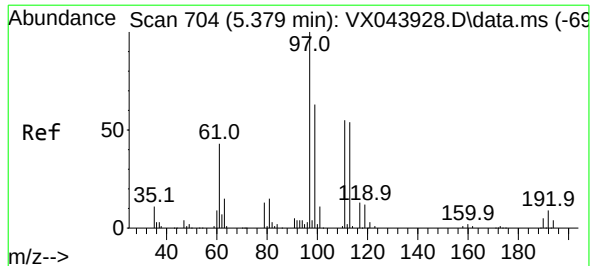
Tgt Ion:	65	Resp:	93887
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044192.D
Acq: 09 Dec 2024 16:51

Tgt Ion:	114	Resp:	205381
Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.9	0.0	32.4





#35

Dibromofluoromethane

Concen: 46.148 ug/l

RT: 5.385 min Scan# 70

Delta R.T. 0.006 min

Lab File: VX044192.D

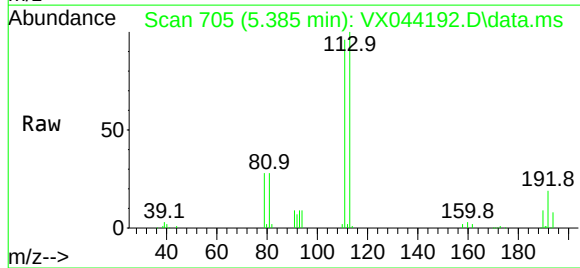
Acq: 09 Dec 2024 16:51

Instrument :

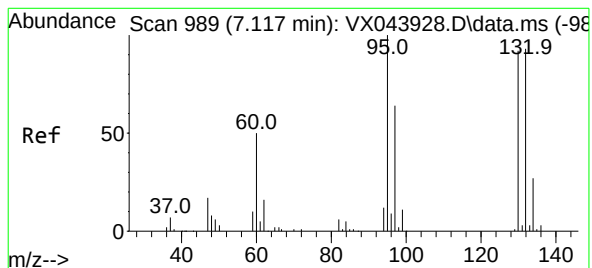
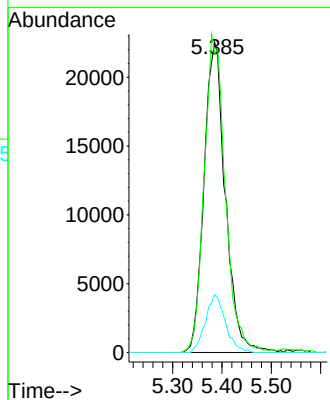
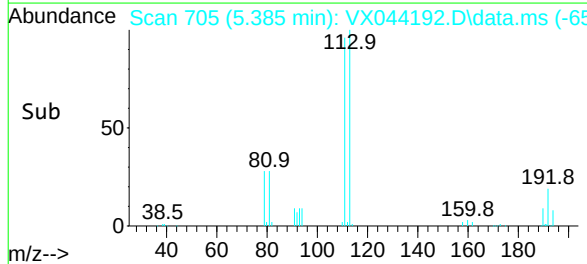
MSVOA_X

ClientSampleId :

RE108D2-20241206



Tgt Ion:	113	Resp:	67725
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	17.4	13.0	19.6



#44

Trichloroethene

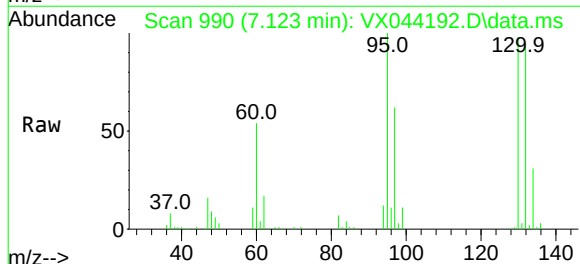
Concen: 64.937 ug/l

RT: 7.123 min Scan# 990

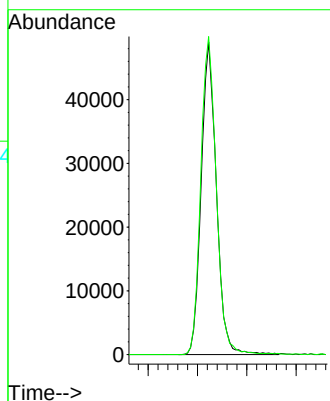
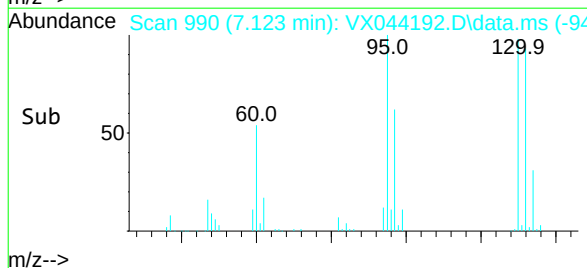
Delta R.T. 0.006 min

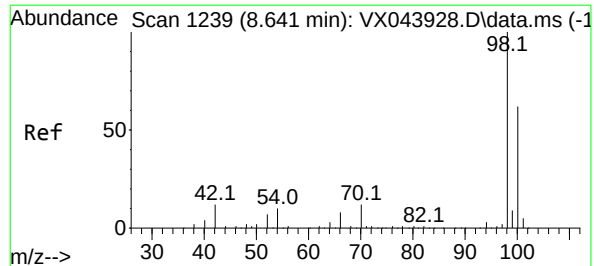
Lab File: VX044192.D

Acq: 09 Dec 2024 16:51



Tgt Ion:	130	Resp:	104717
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	217.8





#50

Toluene-d8

Concen: 50.613 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX044192.D

Acq: 09 Dec 2024 16:51

Instrument :

MSVOA_X

ClientSampleId :

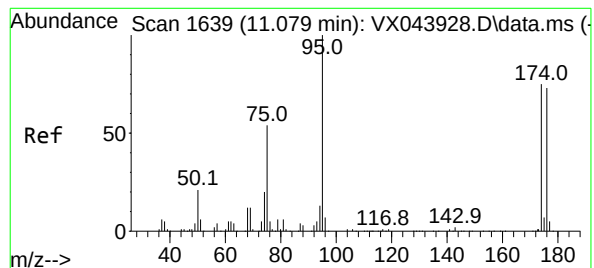
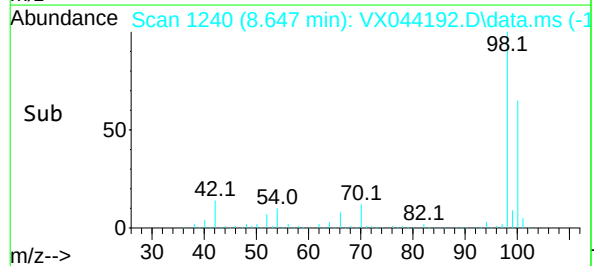
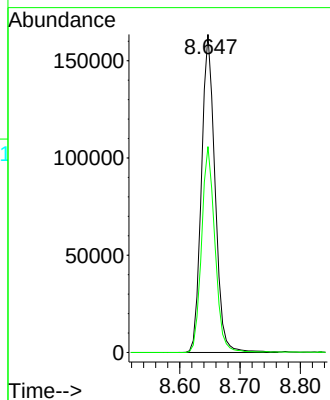
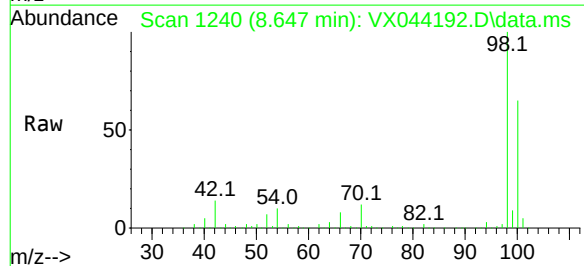
RE108D2-20241206

Tgt Ion: 98 Resp: 256043

Ion Ratio Lower Upper

98 100

100 63.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 52.047 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044192.D

Acq: 09 Dec 2024 16:51

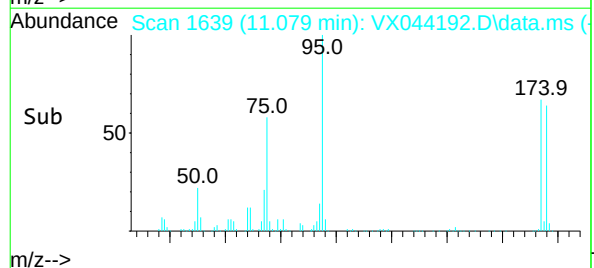
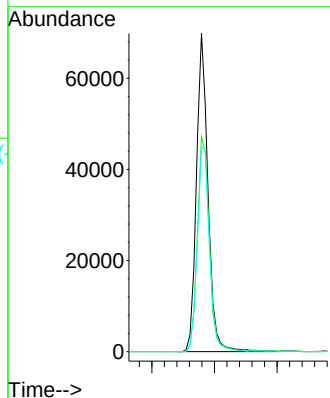
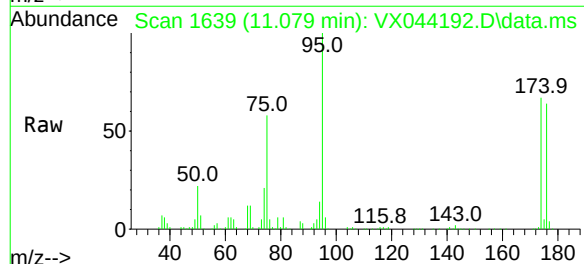
Tgt Ion: 95 Resp: 89607

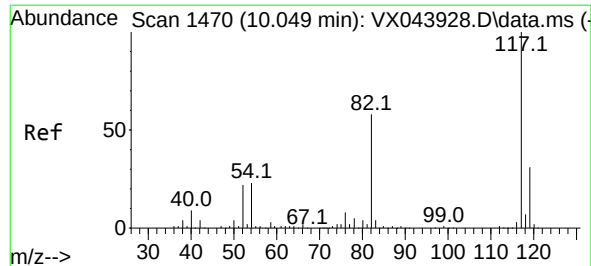
Ion Ratio Lower Upper

95 100

174 70.1 0.0 150.4

176 68.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044192.D

Acq: 09 Dec 2024 16:51

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20241206

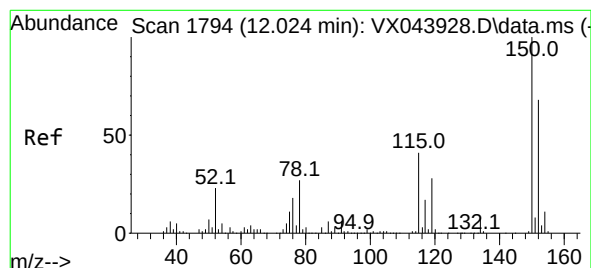
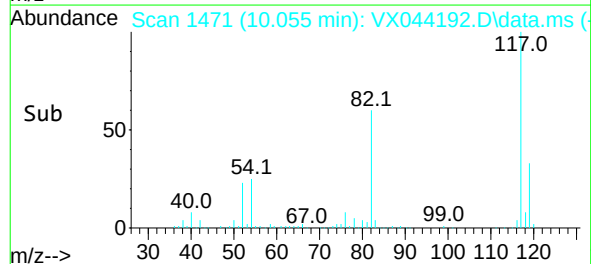
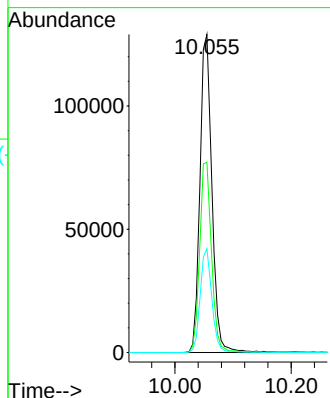
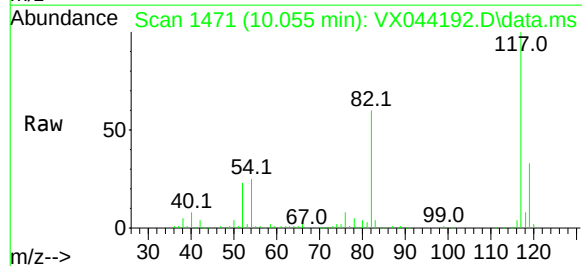
Tgt Ion:117 Resp: 184408

Ion Ratio Lower Upper

117 100

82 59.8 46.4 69.6

119 32.6 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044192.D

Acq: 09 Dec 2024 16:51

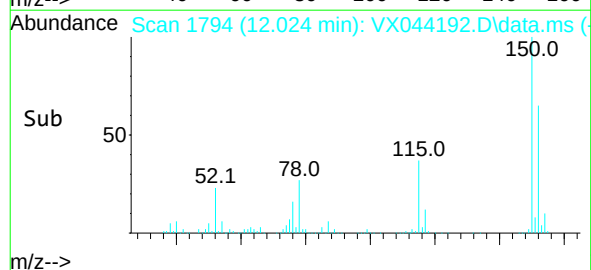
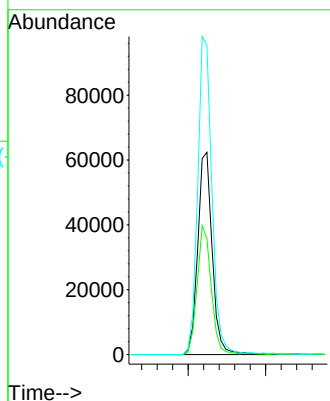
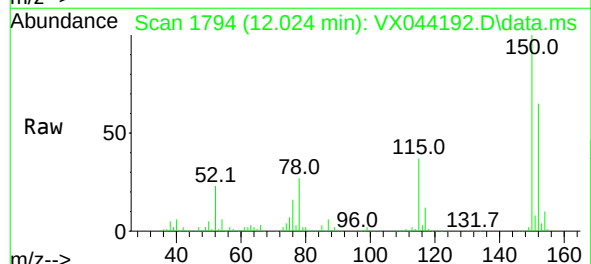
Tgt Ion:152 Resp: 80855

Ion Ratio Lower Upper

152 100

115 61.7 45.4 136.2

150 153.9 0.0 353.0



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE108D1-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044188.D	1		12/09/24 15:17	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.33	J	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	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	24.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE108D1-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044188.D	1		12/09/24 15:17	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	2.30		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	120000	5.543				
540-36-3	1,4-Difluorobenzene	226000	6.757				
3114-55-4	Chlorobenzene-d5	193000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	74600	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE108D1-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044188.D	1		12/09/24 15:17	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

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\VX120924\
 Data File : VX044188.D
 Acq On : 09 Dec 2024 15:17
 Operator : JC/MD
 Sample : P5164-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20241206

Quant Time: Dec 10 01:43:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

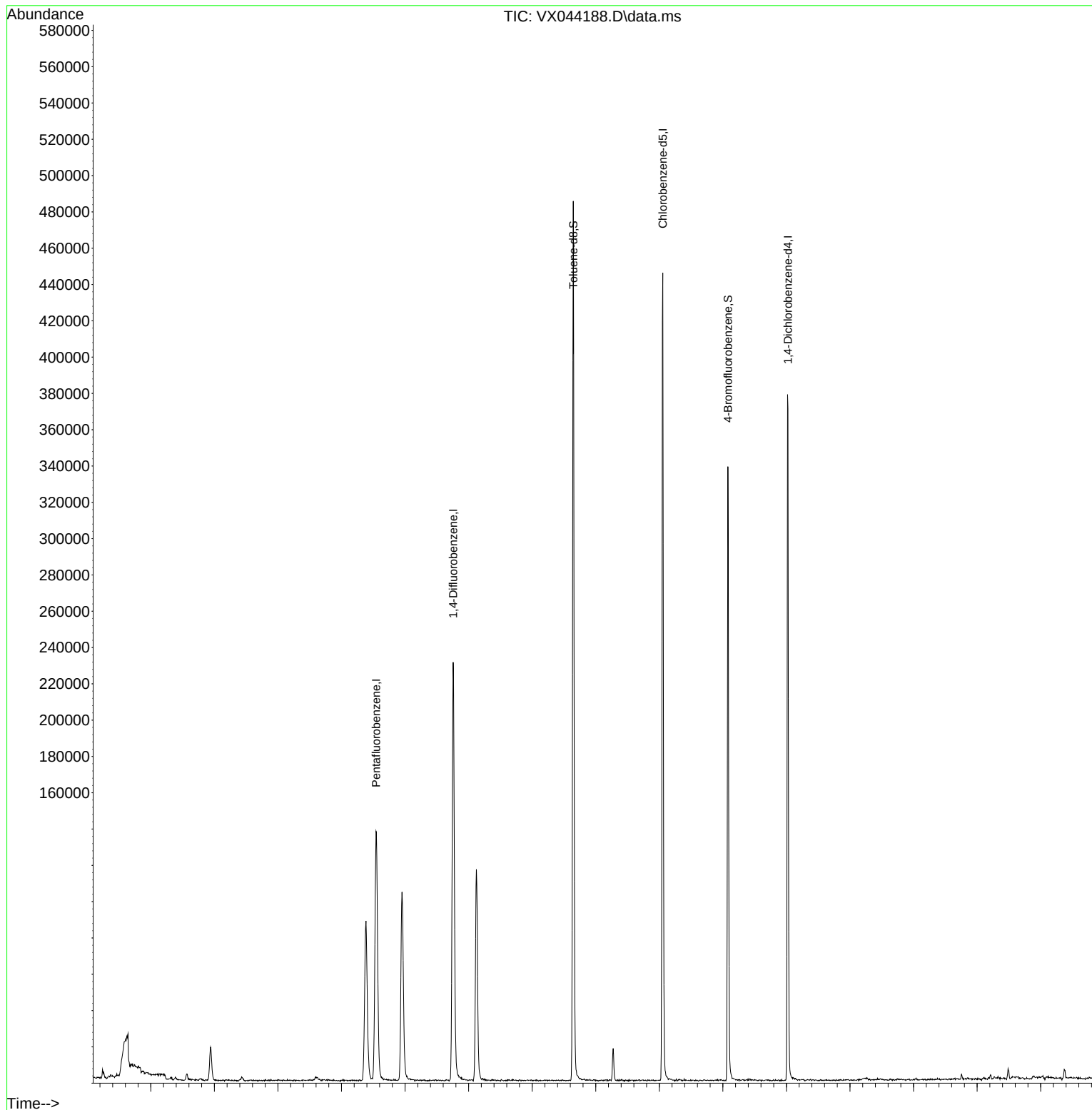
Internal Standards						
1) Pentafluorobenzene	5.543	168	120459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104646	50.650	ug/l	0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.300%
35) Dibromofluoromethane	5.385	113	75400	46.651	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.300%
50) Toluene-d8	8.646	98	275938	49.528	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.060%
62) 4-Bromofluorobenzene	11.079	95	88621	46.739	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.480%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.312	101	478	0.328	ug/l #	76
16) Acetone	2.385	43	1505	1.586	ug/l	99
44) Trichloroethene	7.122	130	43452	24.467	ug/l	99
64) Tetrachloroethene	9.274	164	2879	2.264	ug/l	94

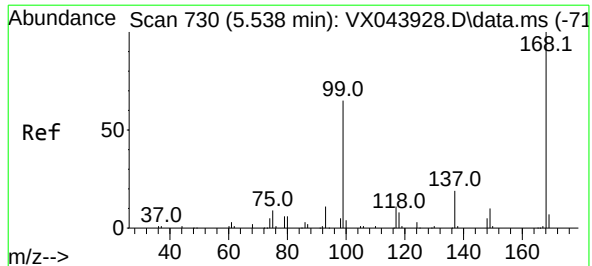
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044188.D
Acq On : 09 Dec 2024 15:17
Operator : JC/MD
Sample : P5164-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

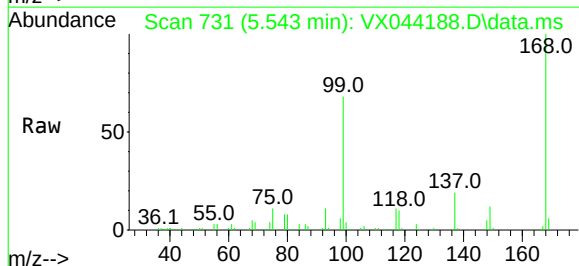
Quant Time: Dec 10 01:43:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



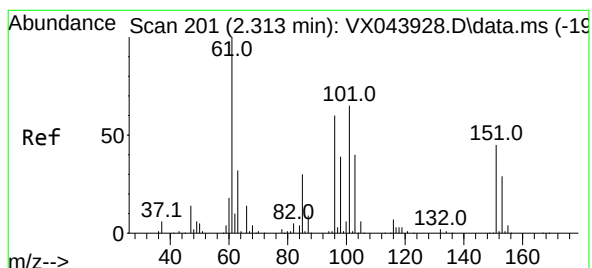
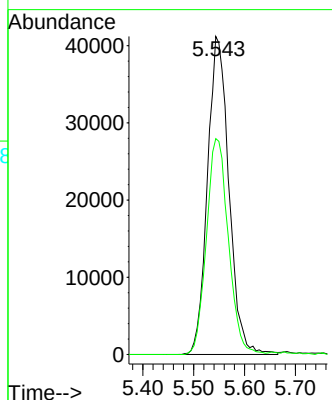
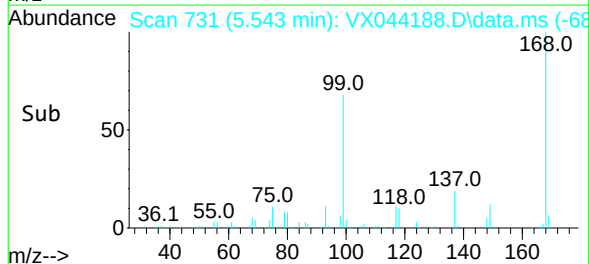


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.005 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

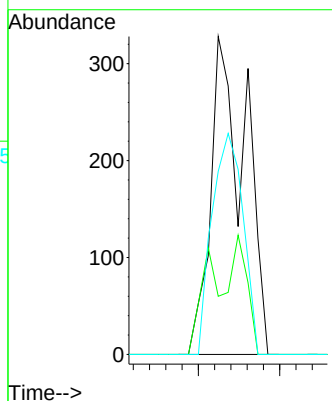
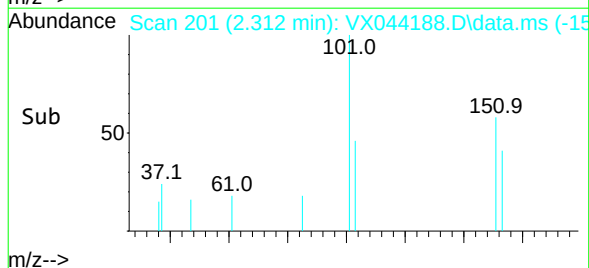
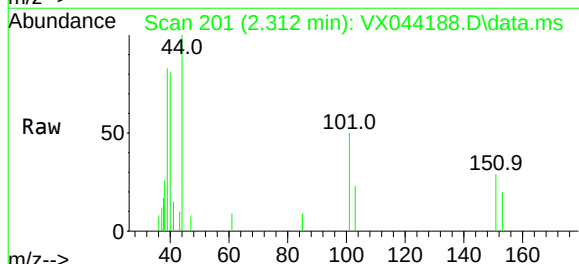


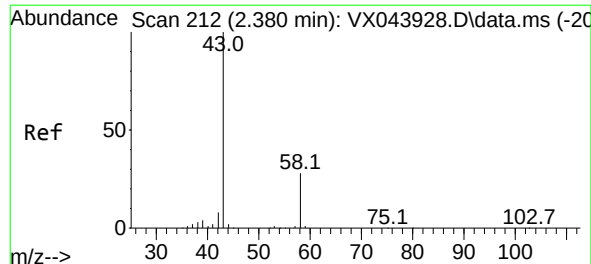
Tgt Ion:168 Resp: 120459
Ion Ratio Lower Upper
168 100
99 67.9 51.8 77.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.328 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion:101 Resp: 478
Ion Ratio Lower Upper
101 100
85 17.2 37.9 56.9#
151 63.2 57.5 86.3





#16

Acetone

Concen: 1.586 ug/l

RT: 2.385 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX044188.D

Acq: 09 Dec 2024 15:17

Instrument :

MSVOA_X

ClientSampleId :

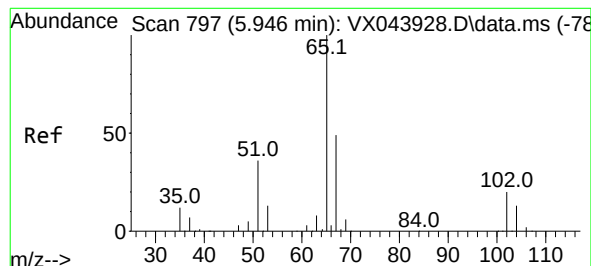
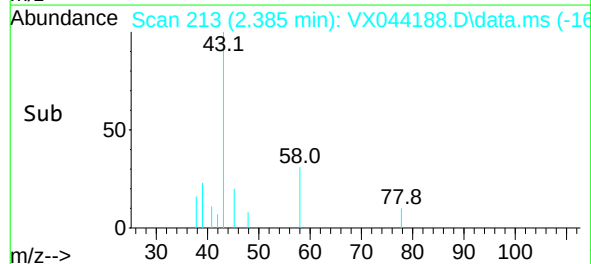
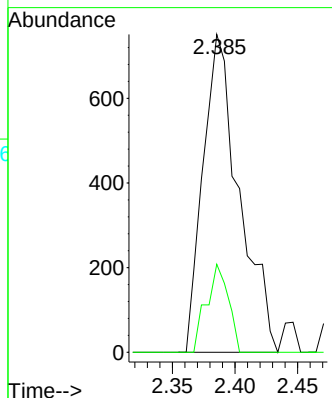
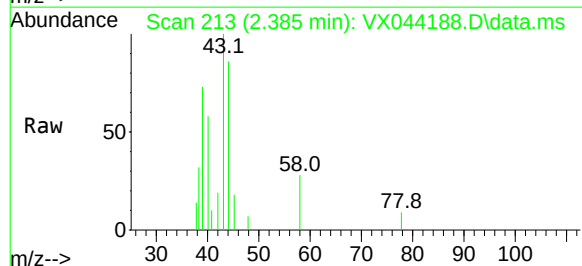
RE108D1-20241206

Tgt Ion: 43 Resp: 1505

Ion Ratio Lower Upper

43 100

58 27.7 22.7 34.1



#33

1,2-Dichloroethane-d4

Concen: 50.650 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.012 min

Lab File: VX044188.D

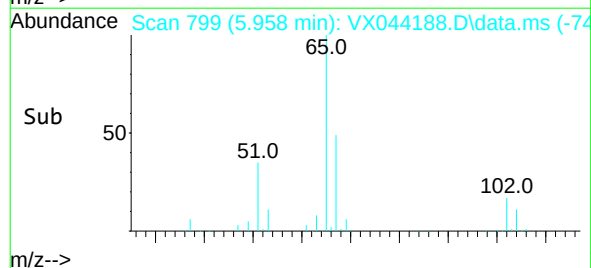
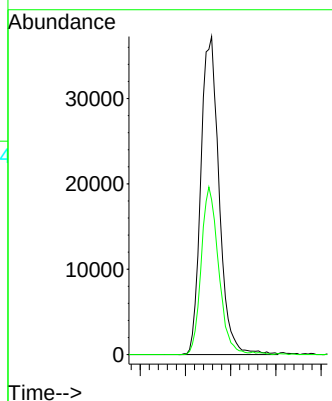
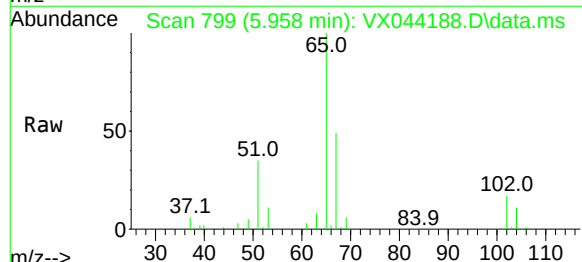
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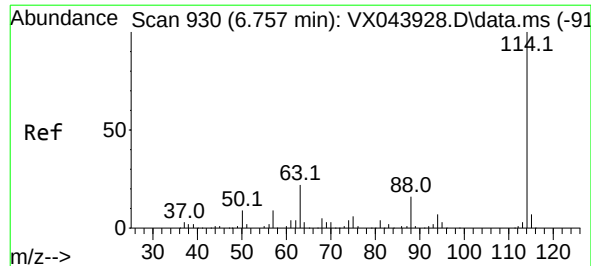
Tgt Ion: 65 Resp: 104646

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8

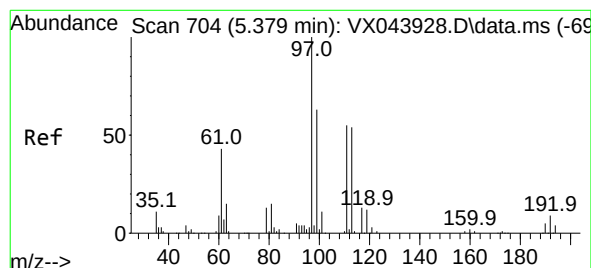
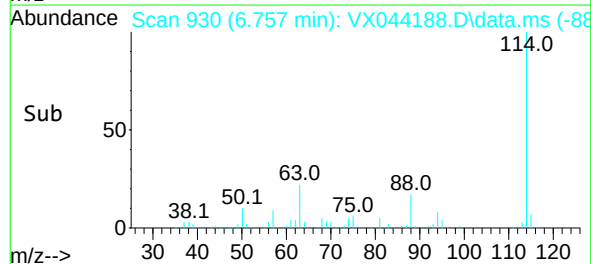
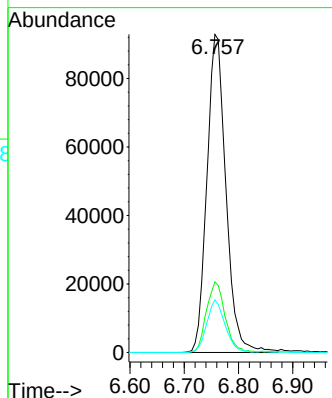
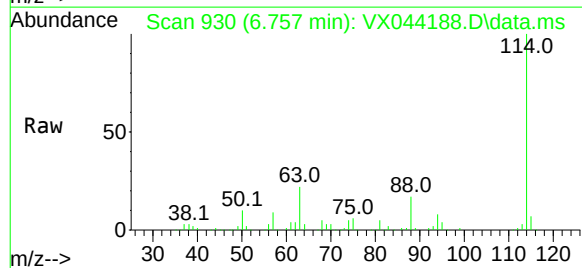




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

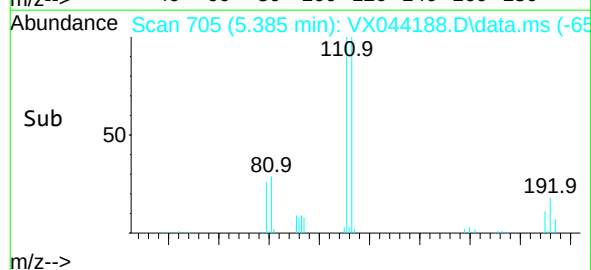
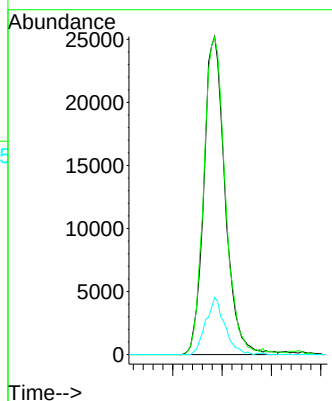
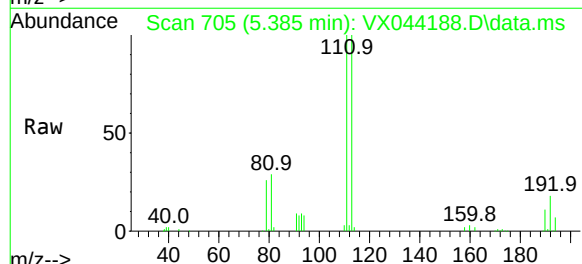
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20241206

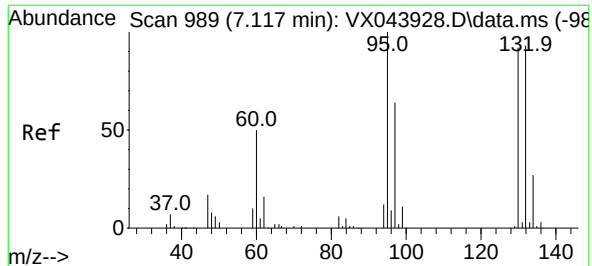
Tgt Ion:	114	Resp:	226191
Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.5	0.0	32.4



#35
Dibromofluoromethane
Concen: 46.651 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044188.D
Acq: 09 Dec 2024 15:17

Tgt Ion:	113	Resp:	75400
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.4
192	16.1	13.0	19.6





#44

Trichloroethene

Concen: 24.467 ug/l

RT: 7.122 min Scan# 99

Delta R.T. 0.006 min

Lab File: VX044188.D

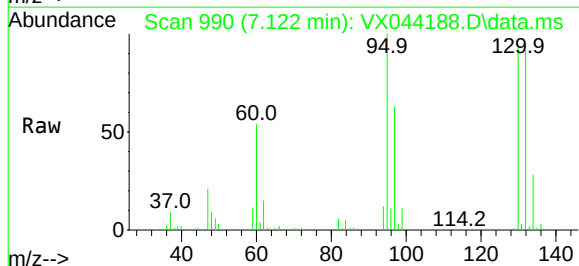
Acq: 09 Dec 2024 15:17

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20241206

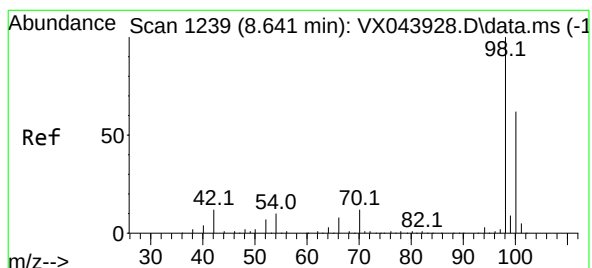
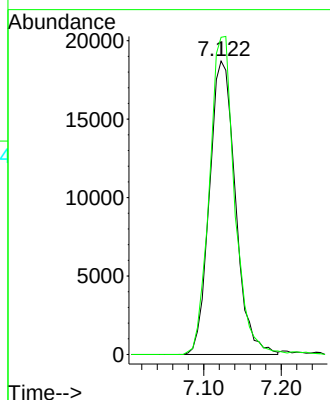
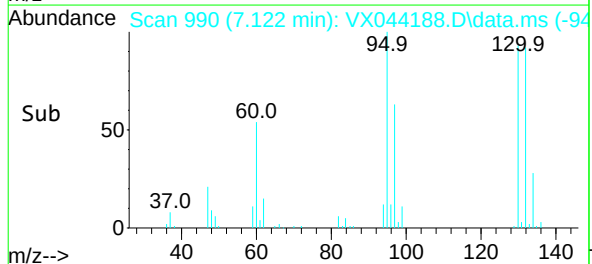


Tgt Ion: 130 Resp: 43452

Ion Ratio Lower Upper

130 100

95 108.1 0.0 217.8



#50

Toluene-d8

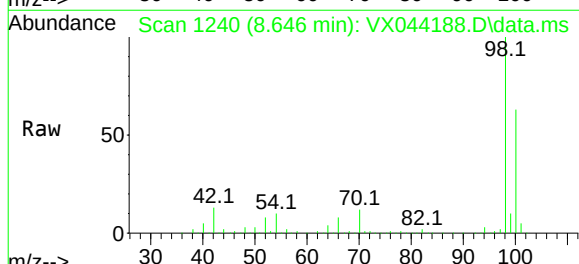
Concen: 49.528 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044188.D

Acq: 09 Dec 2024 15:17

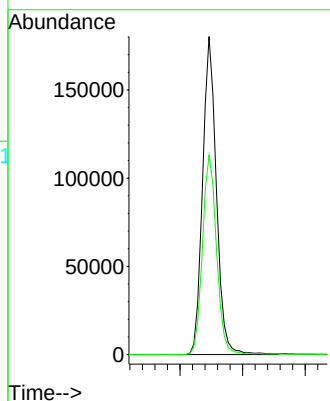
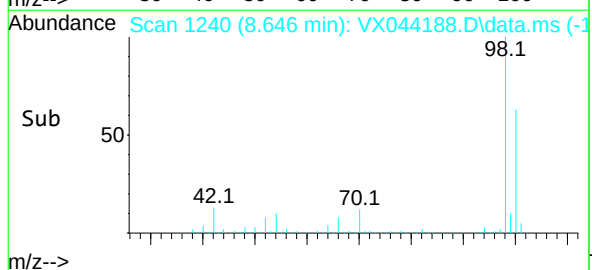


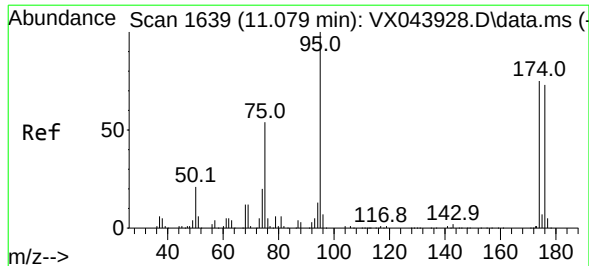
Tgt Ion: 98 Resp: 275938

Ion Ratio Lower Upper

98 100

100 64.5 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 46.739 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044188.D

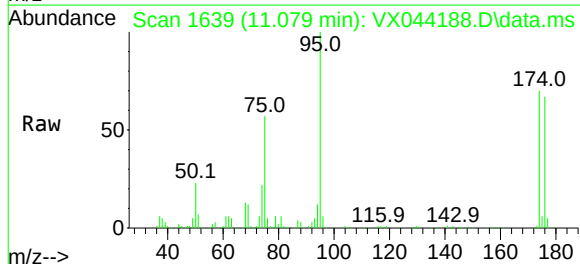
Acq: 09 Dec 2024 15:17

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20241206



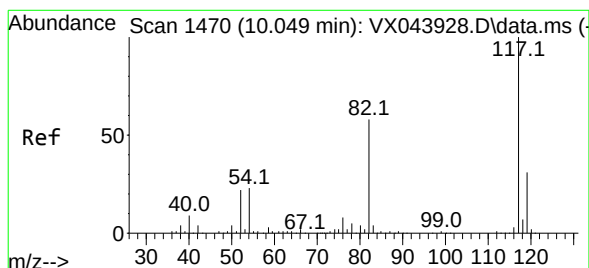
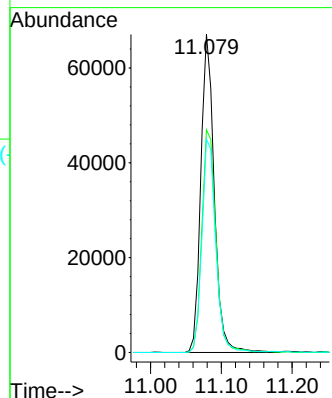
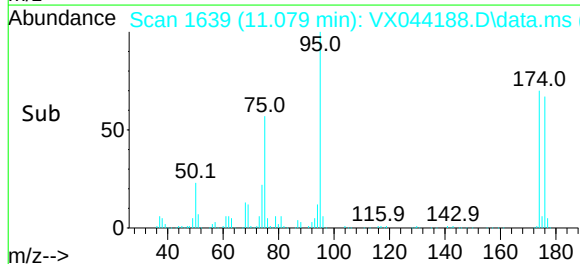
Tgt Ion: 95 Resp: 88621

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.4

176 69.1 0.0 146.0



#63

Chlorobenzene-d5

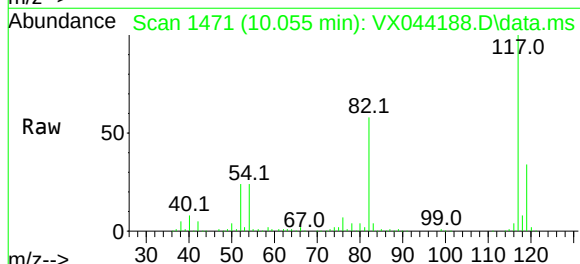
Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044188.D

Acq: 09 Dec 2024 15:17



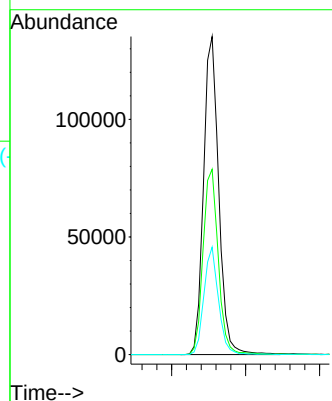
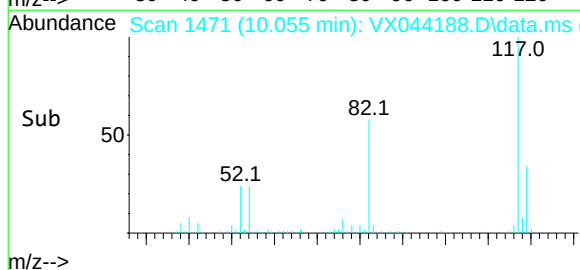
Tgt Ion: 117 Resp: 192858

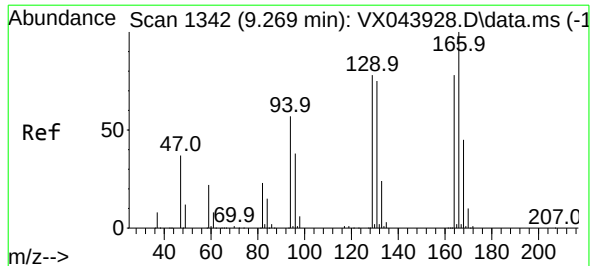
Ion Ratio Lower Upper

117 100

82 58.3 46.4 69.6

119 33.8 24.6 37.0





#64

Tetrachloroethene

Concen: 2.264 ug/l

RT: 9.274 min Scan# 1342

Delta R.T. 0.006 min

Lab File: VX044188.D

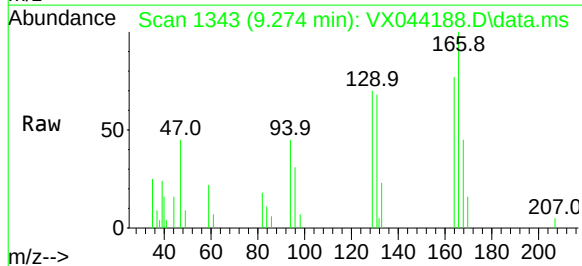
Acq: 09 Dec 2024 15:17

Instrument :

MSVOA_X

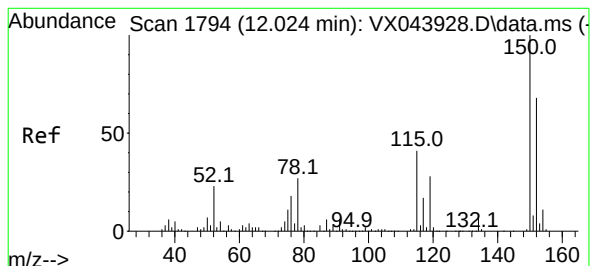
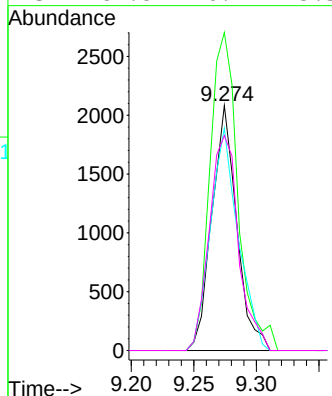
ClientSampleId :

RE108D1-20241206



Tgt Ion:164 Resp: 2879

Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.1	153.1
129	90.8	79.6	119.4
131	87.8	76.9	115.3



#72

1,4-Dichlorobenzene-d4

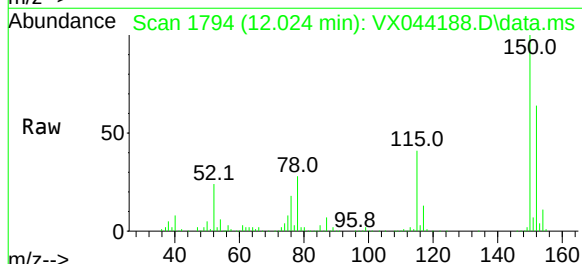
Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

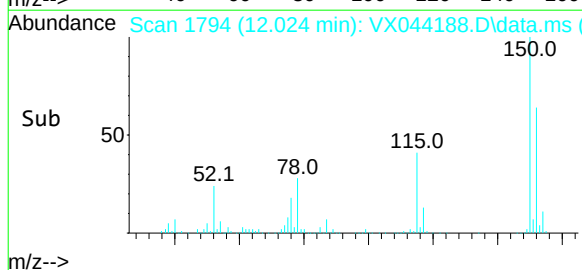
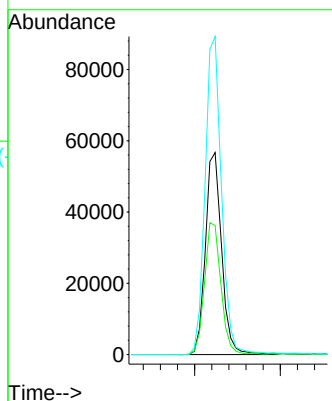
Lab File: VX044188.D

Acq: 09 Dec 2024 15:17



Tgt Ion:152 Resp: 74622

Ion	Ratio	Lower	Upper
152	100		
115	66.2	45.4	136.2
150	160.7	0.0	353.0



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE105D1-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044189.D	1		12/09/24 15:40	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	6.10		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.36	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	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	39.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE105D1-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044189.D	1		12/09/24 15:40	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	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
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.544				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	176000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	70900	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE105D1-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044189.D	1		12/09/24 15:40	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX120924\
 Data File : VX044189.D
 Acq On : 09 Dec 2024 15:40
 Operator : JC/MD
 Sample : P5164-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20241206

Quant Time: Dec 10 01:43:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

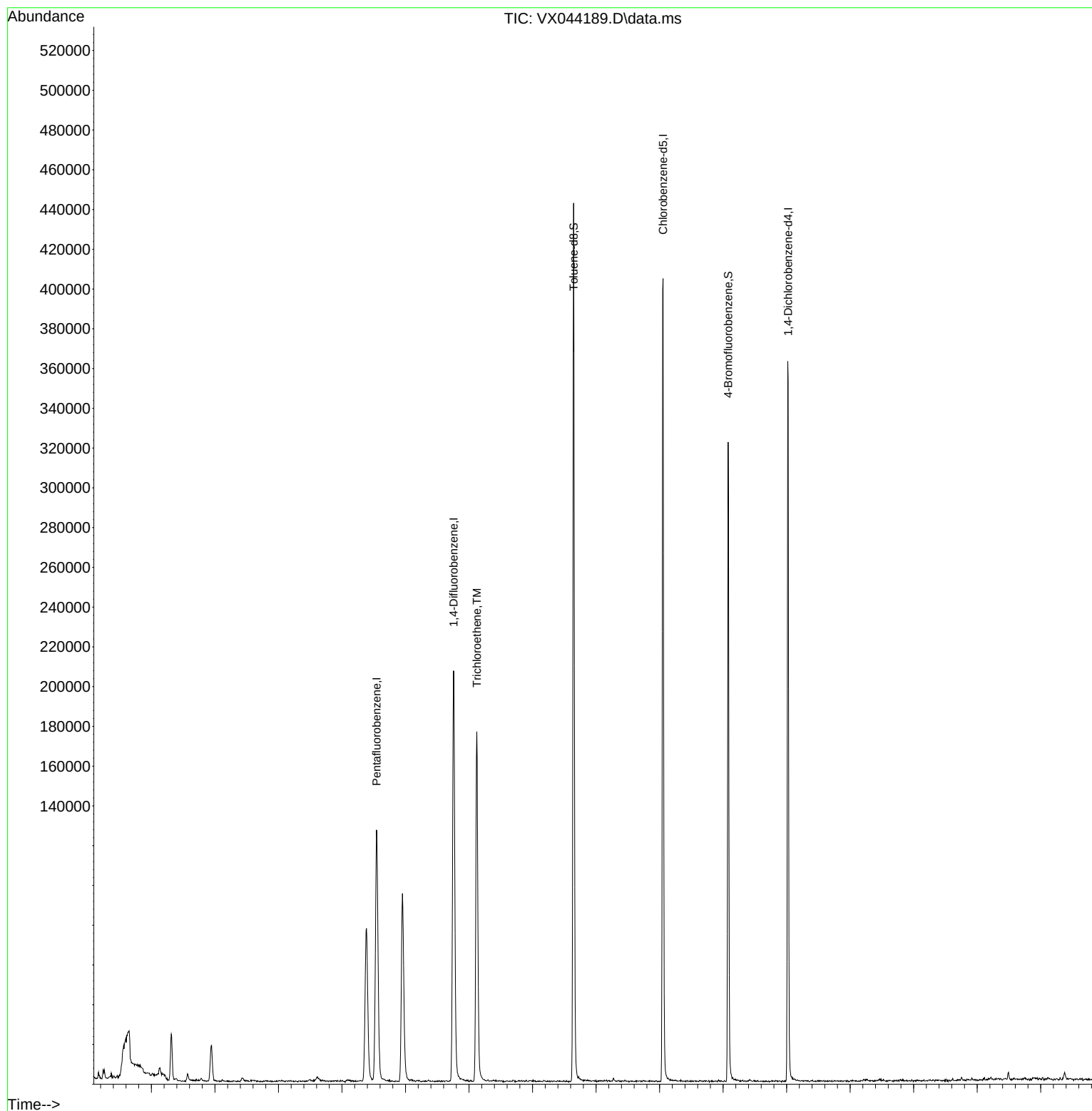
Internal Standards						
1) Pentafluorobenzene	5.544	168	108813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	204658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93943	50.336	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.680%		
35) Dibromofluoromethane	5.379	113	66846	45.710	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 91.420%		
50) Toluene-d8	8.647	98	249398	49.474	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.940%		
62) 4-Bromofluorobenzene	11.079	95	82640	48.170	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 96.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1508	1.094	ug/l	89
3) Chloromethane	1.301	50	415	0.286	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	2.313	101	7968	6.056	ug/l	95
12) 1,1-Dichloroethene	2.307	96	958	0.764	ug/l #	74
16) Acetone	2.386	43	1077	1.256	ug/l	93
20) Methylene Chloride	2.782	84	530	0.364	ug/l #	76
44) Trichloroethene	7.123	130	63691	39.636	ug/l	100

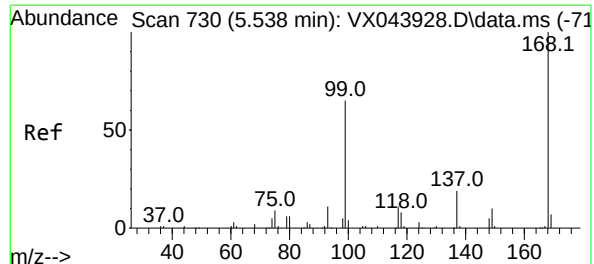
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044189.D
Acq On : 09 Dec 2024 15:40
Operator : JC/MD
Sample : P5164-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

Quant Time: Dec 10 01:43:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

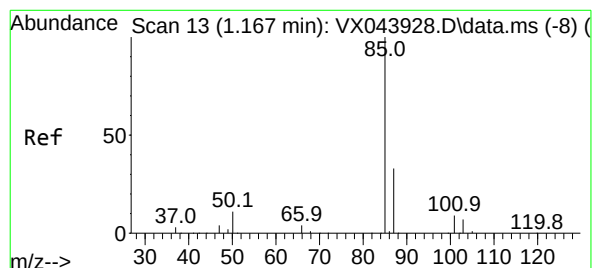
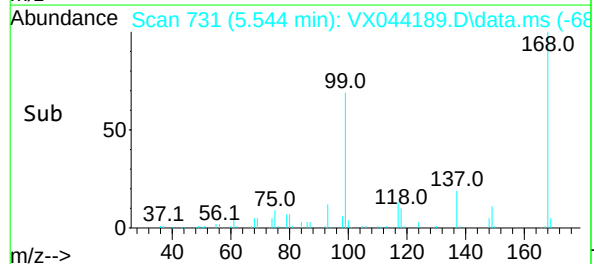
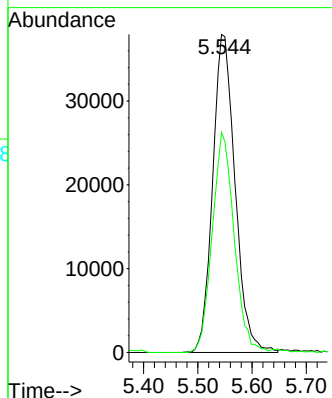
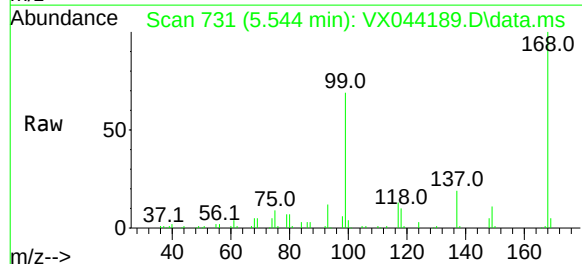




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

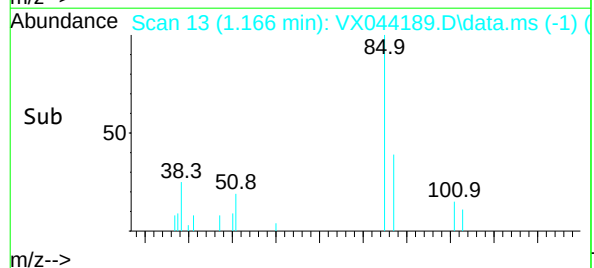
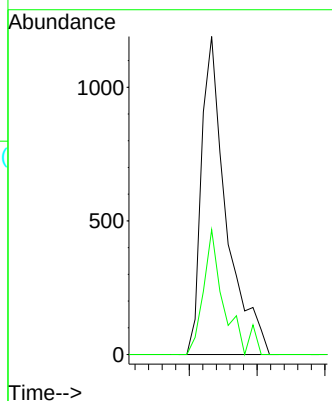
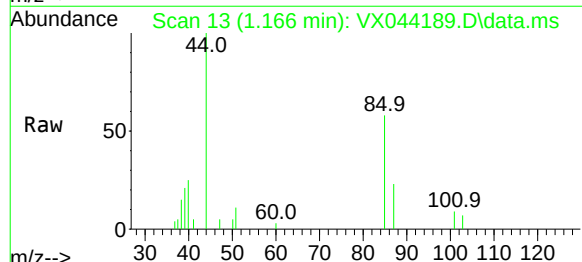
Instrument :
MSVOA_X
ClientSampleId :
RE105D1-20241206

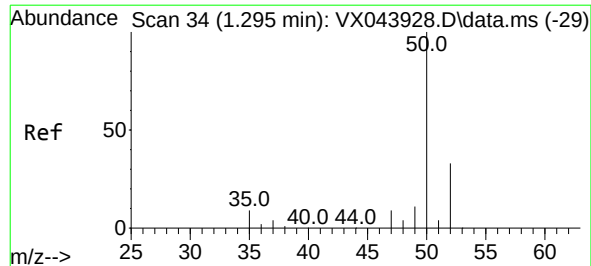
Tgt Ion: 168 Resp: 108813
Ion Ratio Lower Upper
168 100
99 69.2 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 1.094 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044189.D
Acq: 09 Dec 2024 15:40

Tgt Ion: 85 Resp: 1508
Ion Ratio Lower Upper
85 100
87 39.2 16.6 49.8





#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.006 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

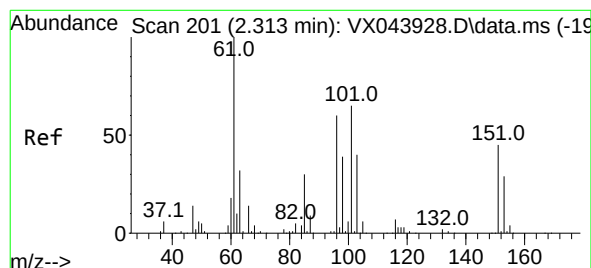
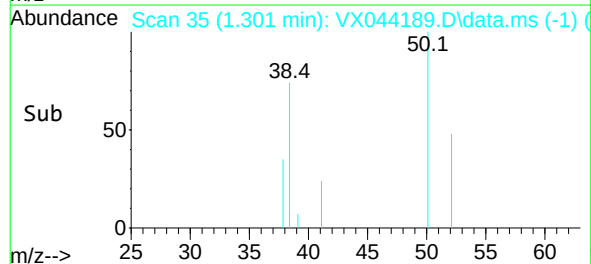
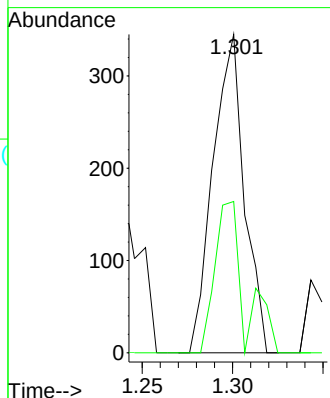
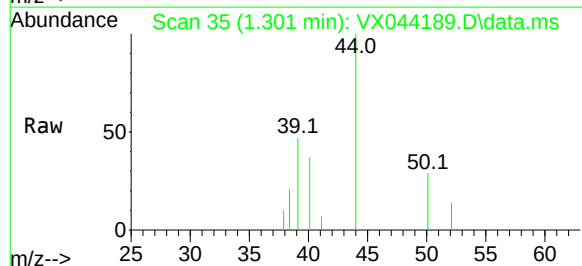
RE105D1-20241206

Tgt Ion: 50 Resp: 415

Ion Ratio Lower Upper

50 100

52 47.5 26.1 39.1#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.056 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

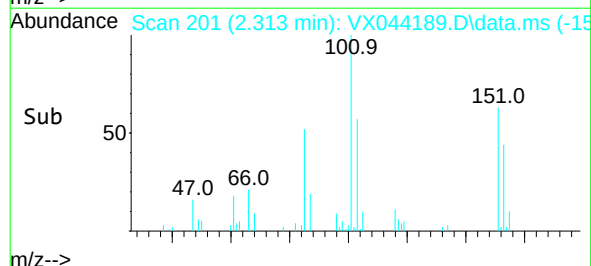
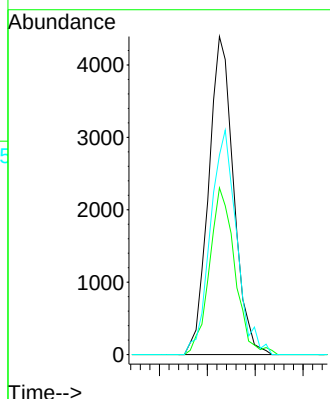
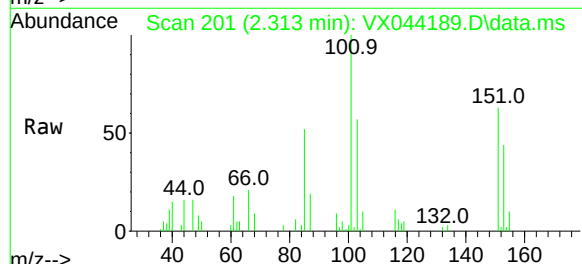
Tgt Ion: 101 Resp: 7968

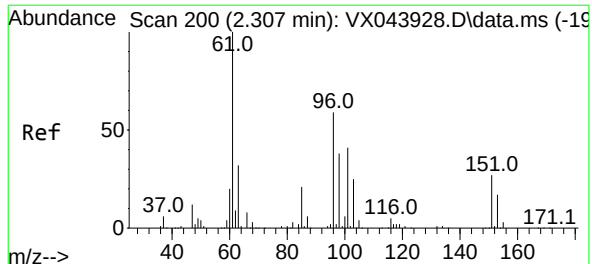
Ion Ratio Lower Upper

101 100

85 53.2 37.9 56.9

151 73.8 57.5 86.3





#12

1,1-Dichloroethene

Concen: 0.764 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044189.D

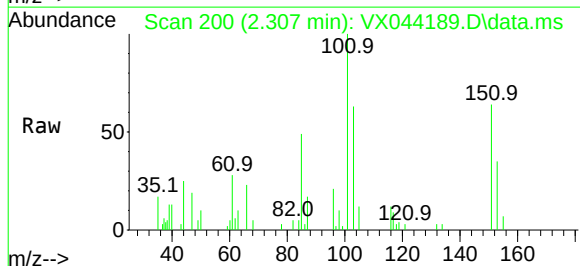
Acq: 09 Dec 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20241206



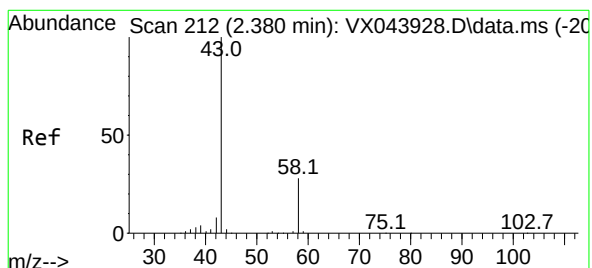
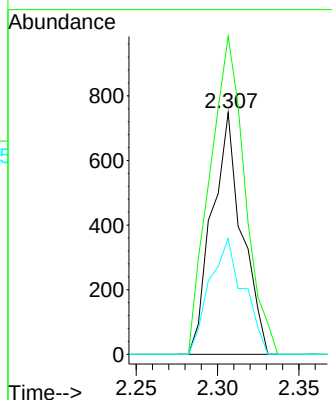
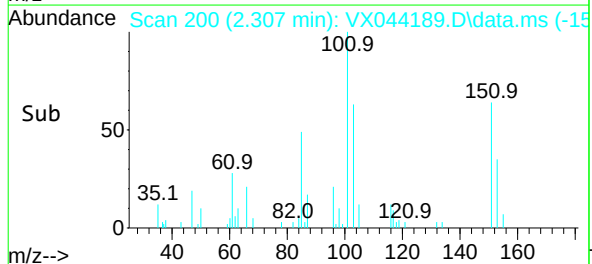
Tgt Ion: 96 Resp: 958

Ion Ratio Lower Upper

96 100

61 131.6 135.5 203.3#

98 48.0 50.8 76.2#



#16

Acetone

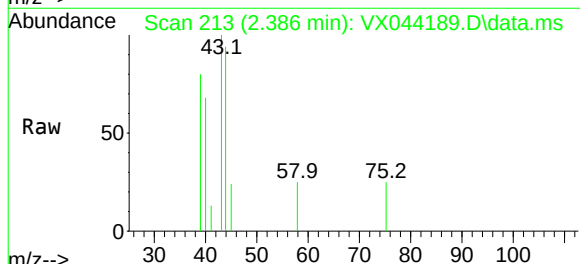
Concen: 1.256 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

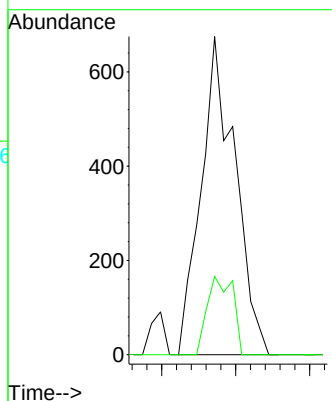
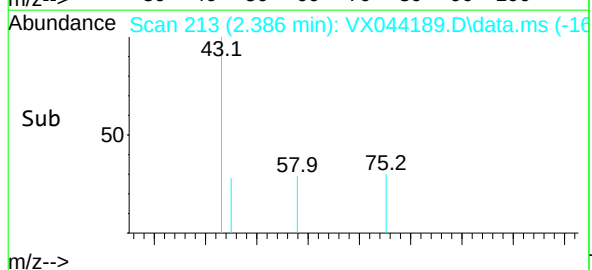


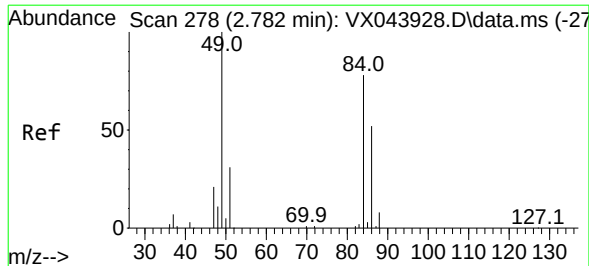
Tgt Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

58 24.6 22.7 34.1





#20

Methylene Chloride

Concen: 0.364 ug/l

RT: 2.782 min Scan# 27

Delta R.T. -0.000 min

Lab File: VX044189.D

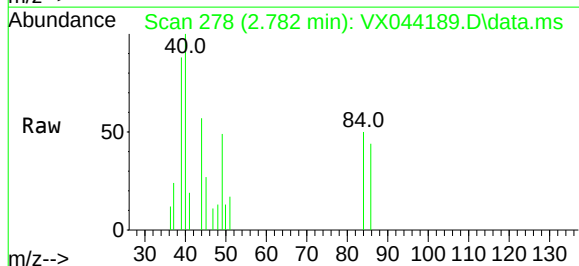
Acq: 09 Dec 2024 15:40

Instrument :

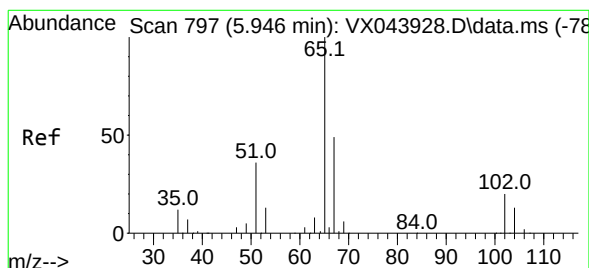
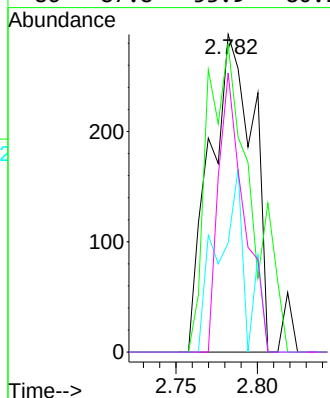
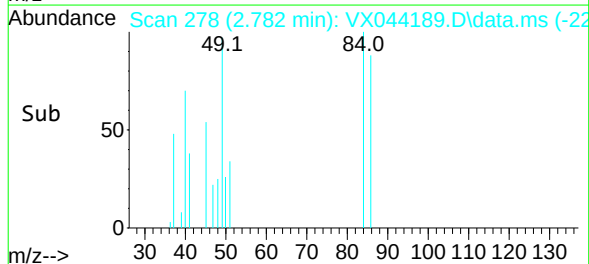
MSVOA_X

ClientSampleId :

RE105D1-20241206



Tgt Ion:	84	Resp:	530
Ion	Ratio	Lower	Upper
84	100		
49	96.9	102.7	154.1#
51	34.4	31.7	47.5
86	87.8	53.9	80.9#



#33

1,2-Dichloroethane-d4

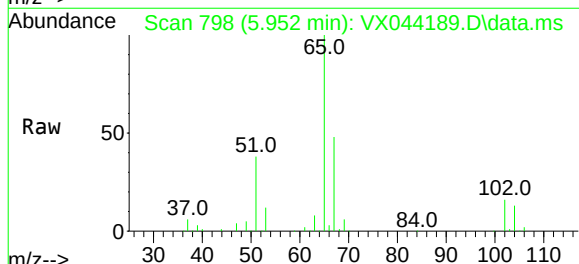
Concen: 50.336 ug/l

RT: 5.952 min Scan# 798

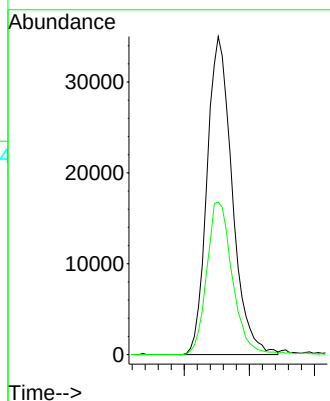
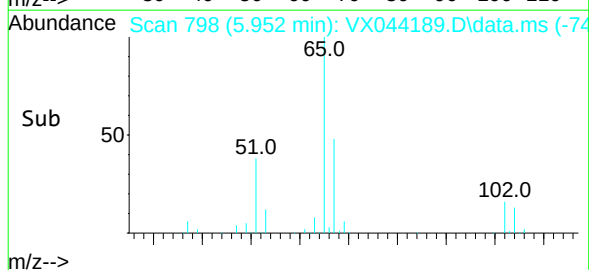
Delta R.T. 0.006 min

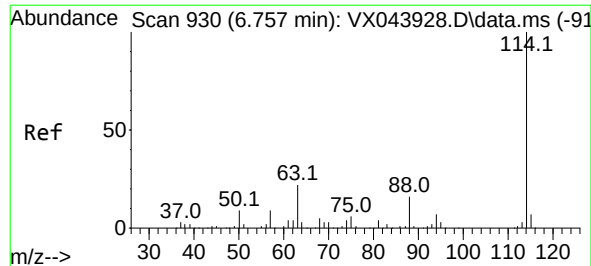
Lab File: VX044189.D

Acq: 09 Dec 2024 15:40



Tgt Ion:	65	Resp:	93943
Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

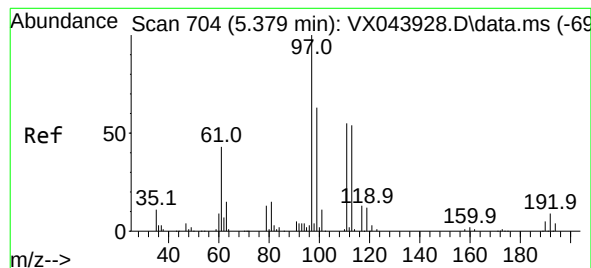
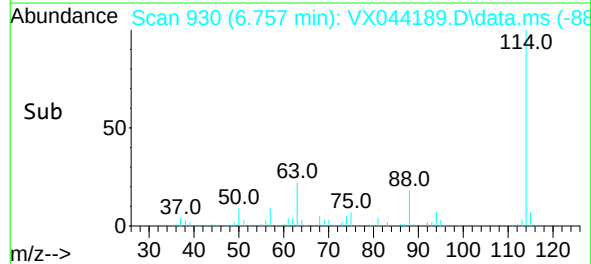
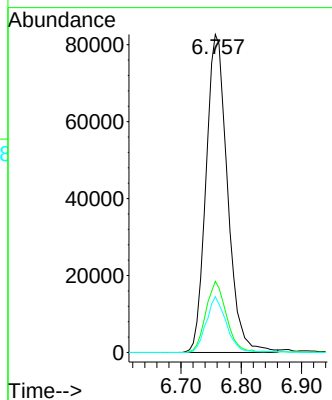
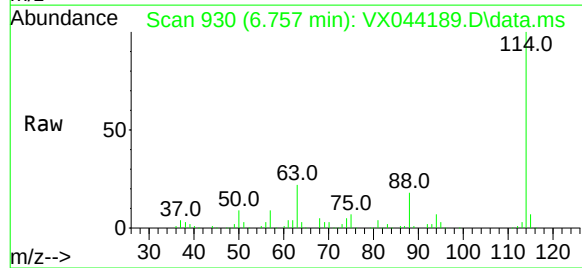
Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20241206

Tgt Ion:	114	Resp:	204658
Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	17.5	0.0	32.4



#35

Dibromofluoromethane

Concen: 45.710 ug/l

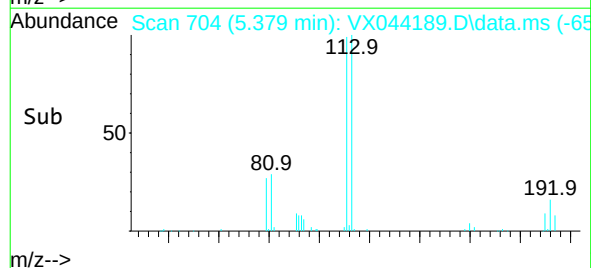
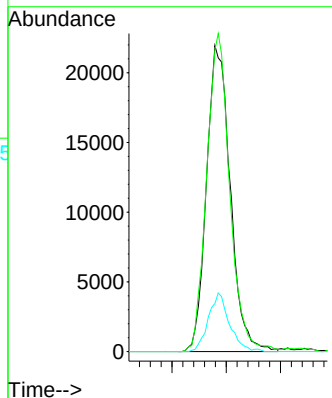
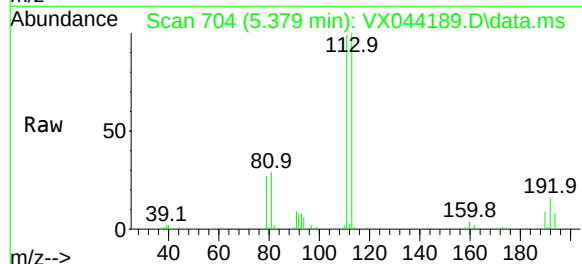
RT: 5.379 min Scan# 704

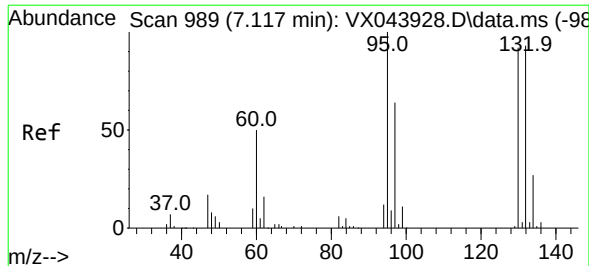
Delta R.T. -0.000 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

Tgt Ion:	113	Resp:	66846
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.0	121.4
192	17.0	13.0	19.6





#44

Trichloroethene

Concen: 39.636 ug/l

RT: 7.123 min Scan# 99

Delta R.T. 0.006 min

Lab File: VX044189.D

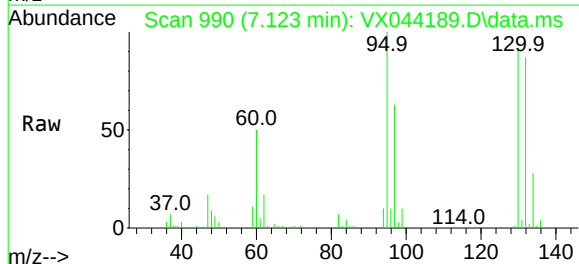
Acq: 09 Dec 2024 15:40

Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20241206

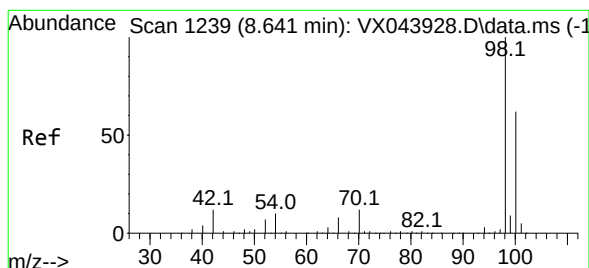
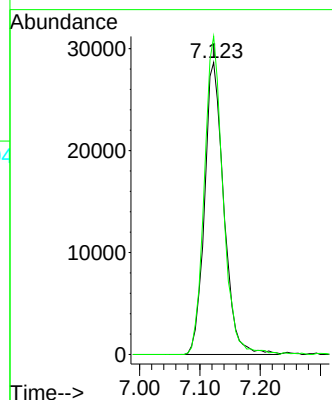
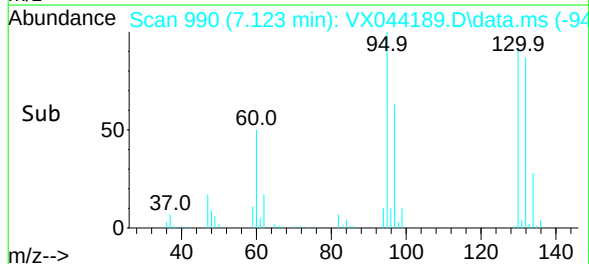


Tgt Ion:130 Resp: 63691

Ion Ratio Lower Upper

130 100

95 108.9 0.0 217.8



#50

Toluene-d8

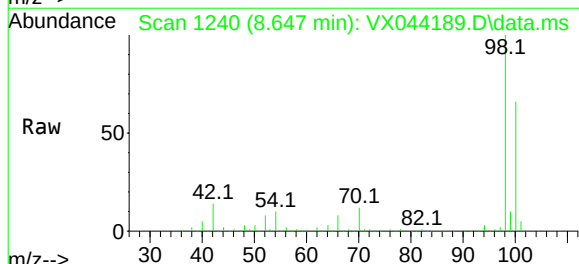
Concen: 49.474 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

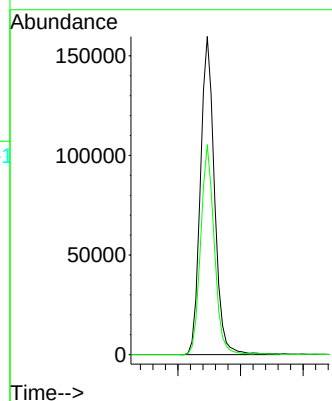
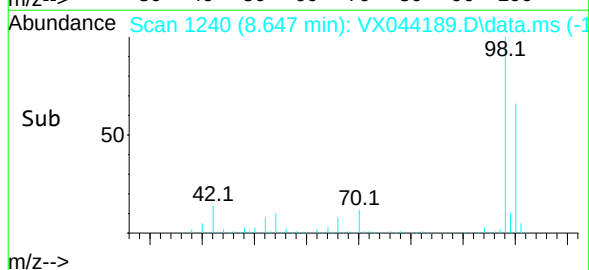


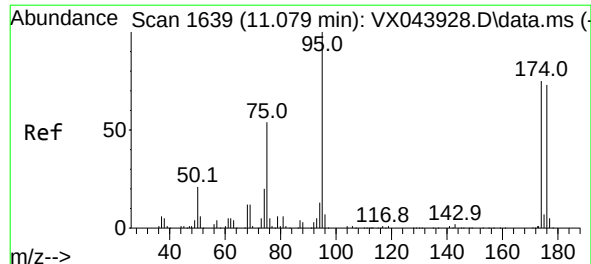
Tgt Ion: 98 Resp: 249398

Ion Ratio Lower Upper

98 100

100 63.7 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 48.170 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

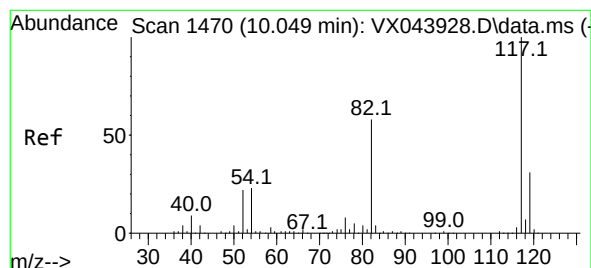
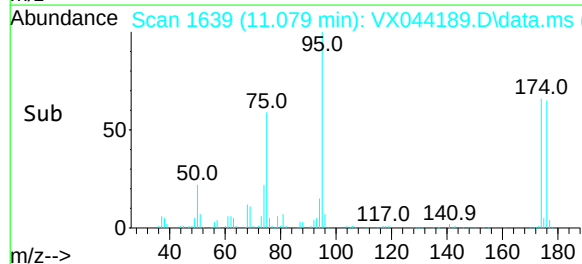
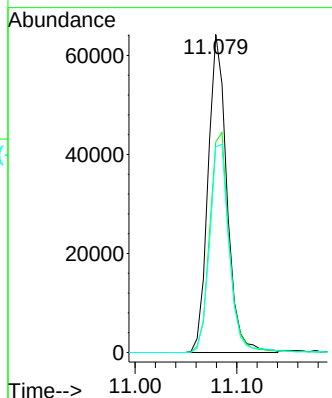
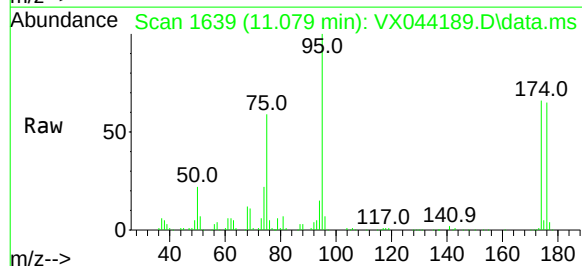
Instrument :

MSVOA_X

ClientSampleId :

RE105D1-20241206

Tgt Ion:	95	Resp:	82640
Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	150.4
176	68.4	0.0	146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

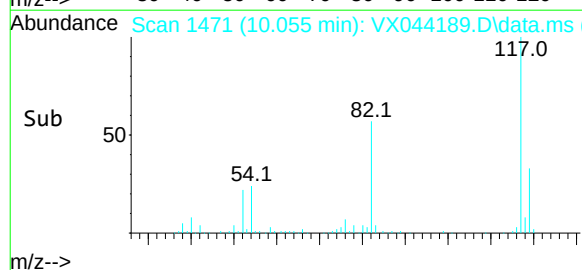
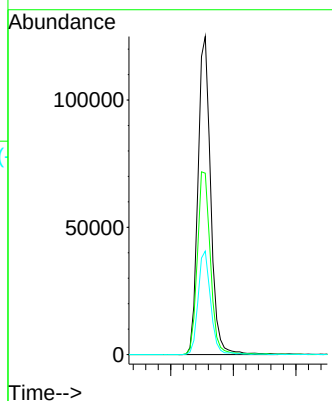
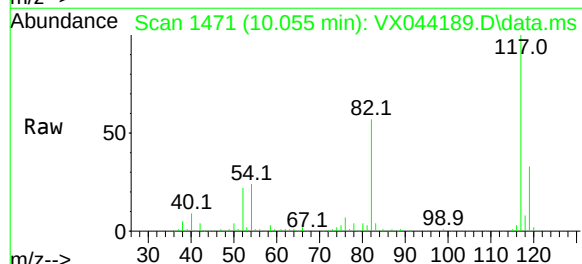
RT: 10.055 min Scan# 1471

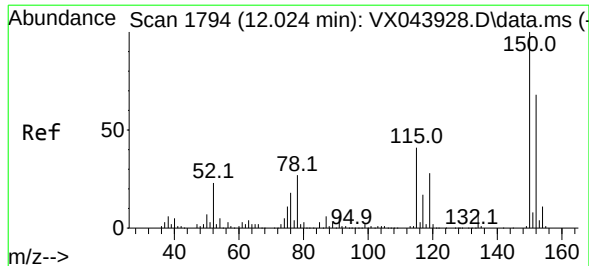
Delta R.T. 0.006 min

Lab File: VX044189.D

Acq: 09 Dec 2024 15:40

Tgt Ion:	117	Resp:	176157
Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.4	69.6
119	32.5	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 17

Delta R.T. -0.000 min

Lab File: VX044189.D

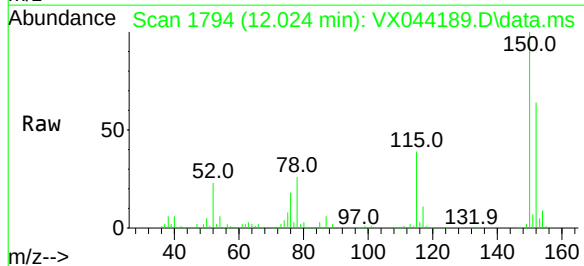
Acq: 09 Dec 2024 15:40

Instrument :

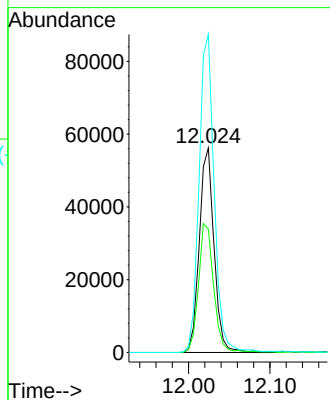
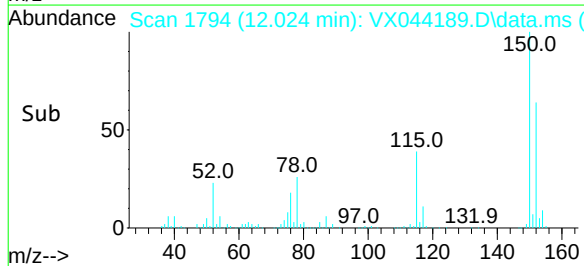
MSVOA_X

ClientSampleId :

RE105D1-20241206



Tgt Ion:	152	Resp:	70850
Ion	Ratio	Lower	Upper
152	100		
115	64.9	45.4	136.2
150	159.7	0.0	353.0



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE105D2-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044193.D	20		12/09/24 17:14	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	U	4.20	10.0	20.0	ug/L
74-87-3	Chloromethane	10.0	U	7.00	10.0	20.0	ug/L
75-01-4	Vinyl Chloride	15.0	U	6.80	15.0	20.0	ug/L
74-83-9	Bromomethane	75.0	U	27.2	75.0	100	ug/L
75-00-3	Chloroethane	15.0	U	11.2	15.0	20.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	U	6.80	10.0	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8	J	5.00	10.0	20.0	ug/L
75-35-4	1,1-Dichloroethene	15.0	U	5.20	15.0	20.0	ug/L
67-64-1	Acetone	75.0	U	27.8	75.0	100	ug/L
75-15-0	Carbon Disulfide	15.0	U	6.40	15.0	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	U	3.20	10.0	20.0	ug/L
79-20-9	Methyl Acetate	15.0	U	12.0	15.0	20.0	ug/L
75-09-2	Methylene Chloride	10.0	U	6.40	10.0	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	U	5.00	10.0	20.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	U	4.60	10.0	20.0	ug/L
110-82-7	Cyclohexane	50.0	U	32.4	50.0	100	ug/L
78-93-3	2-Butanone	50.0	U	26.0	50.0	100	ug/L
56-23-5	Carbon Tetrachloride	10.0	U	5.00	10.0	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	15.0	U	5.00	15.0	20.0	ug/L
74-97-5	Bromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
67-66-3	Chloroform	10.0	U	5.20	10.0	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	3.80	10.0	20.0	ug/L
108-87-2	Methylcyclohexane	10.0	U	3.80	10.0	20.0	ug/L
71-43-2	Benzene	10.0	U	3.20	10.0	20.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	U	4.80	10.0	20.0	ug/L
79-01-6	Trichloroethene	1600		6.40	15.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	U	3.80	10.0	20.0	ug/L
75-27-4	Bromodichloromethane	10.0	U	4.80	10.0	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	U	15.0	50.0	100	ug/L
108-88-3	Toluene	10.0	U	3.60	10.0	20.0	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE105D2-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044193.D	20		12/09/24 17:14	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	10.0	U	4.20	10.0	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	U	3.60	10.0	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.0	U	4.20	10.0	20.0	ug/L
591-78-6	2-Hexanone	50.0	U	22.6	50.0	100	ug/L
124-48-1	Dibromochloromethane	10.0	U	3.60	10.0	20.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	U	3.20	10.0	20.0	ug/L
127-18-4	Tetrachloroethene	10.0	U	5.00	10.0	20.0	ug/L
108-90-7	Chlorobenzene	10.0	U	2.60	10.0	20.0	ug/L
100-41-4	Ethyl Benzene	10.0	U	3.20	10.0	20.0	ug/L
179601-23-1	m/p-Xylenes	20.0	U	6.20	20.0	40.0	ug/L
95-47-6	o-Xylene	10.0	U	2.80	10.0	20.0	ug/L
100-42-5	Styrene	10.0	U	3.20	10.0	20.0	ug/L
75-25-2	Bromoform	10.0	U	4.20	10.0	20.0	ug/L
98-82-8	Isopropylbenzene	10.0	U	2.60	10.0	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U	5.40	10.0	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	U	4.80	10.0	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	U	5.40	10.0	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	U	3.80	10.0	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.0	U	9.20	15.0	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	U	8.40	10.0	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.0	U	10.2	15.0	20.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.55				
540-36-3	1,4-Difluorobenzene	208000	6.757				
3114-55-4	Chlorobenzene-d5	183000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	82400	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	RE105D2-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044193.D	20		12/09/24 17:14	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

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\VX120924\
 Data File : VX044193.D
 Acq On : 09 Dec 2024 17:14
 Operator : JC/MD
 Sample : P5164-04 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20241206

Quant Time: Dec 10 01:46:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

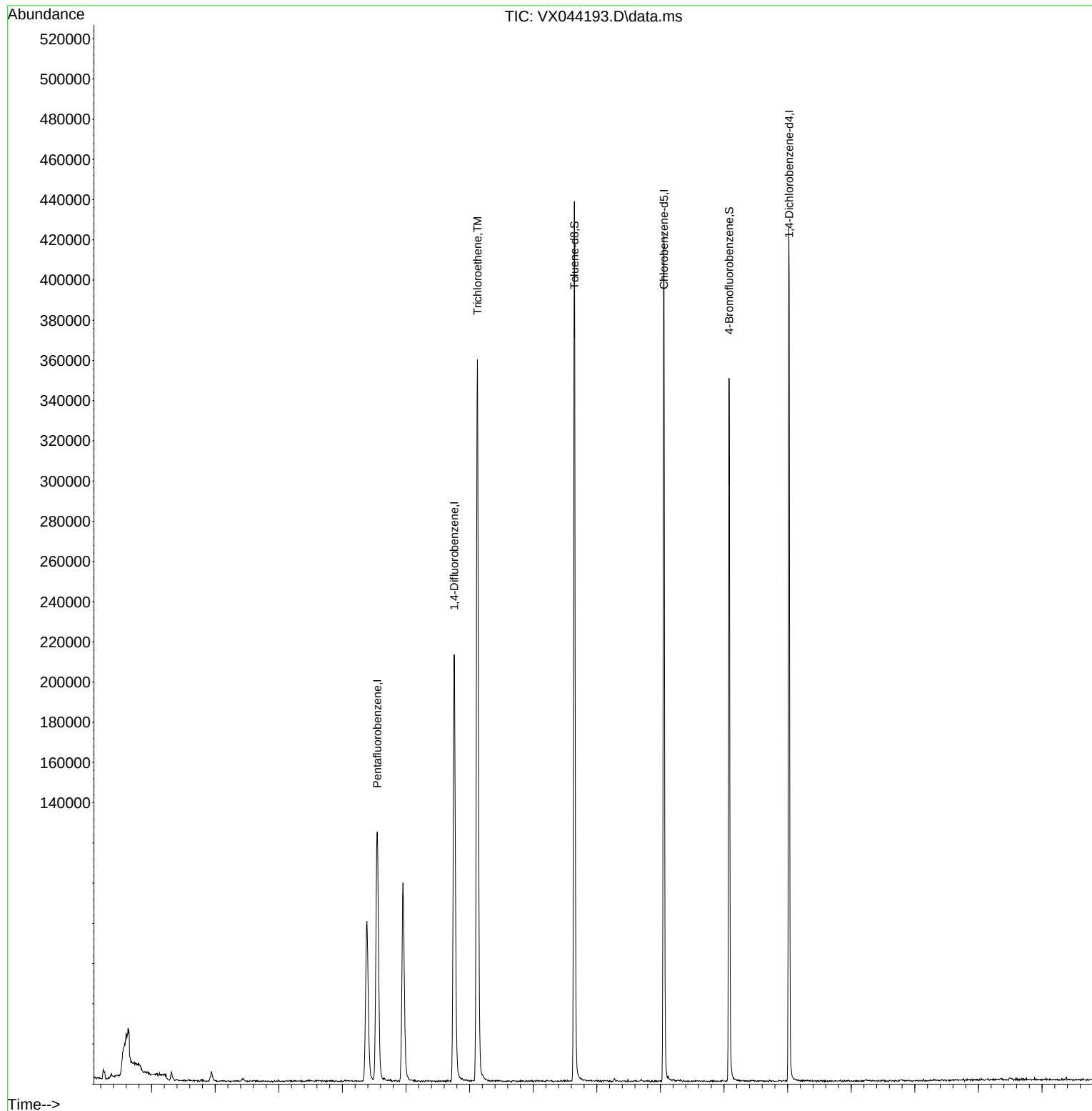
Internal Standards						
1) Pentafluorobenzene	5.550	168	109323	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	207584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94710	50.510	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.020%		
35) Dibromofluoromethane	5.379	113	68391	46.108	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 92.220%		
50) Toluene-d8	8.647	98	252866	49.455	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.900%		
62) 4-Bromofluorobenzene	11.079	95	89579	51.479	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 102.960%		
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	2.313	101	1244	0.941	ug/l	96
44) Trichloroethene	7.123	130	129632	79.535	ug/l	97

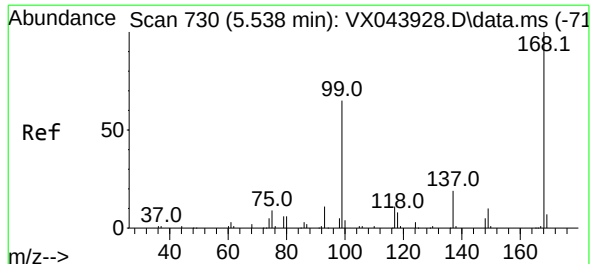
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044193.D
Acq On : 09 Dec 2024 17:14
Operator : JC/MD
Sample : P5164-04 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

Quant Time: Dec 10 01:46:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

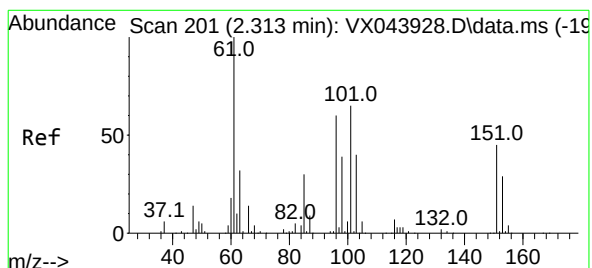
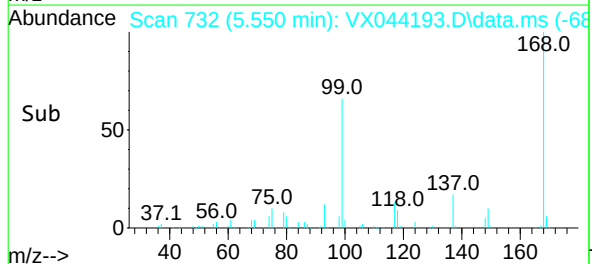
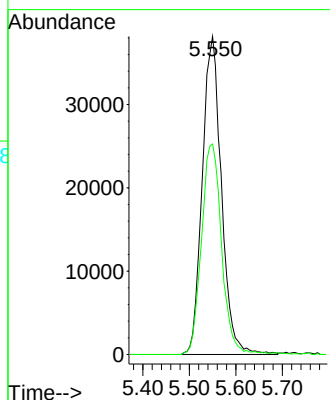
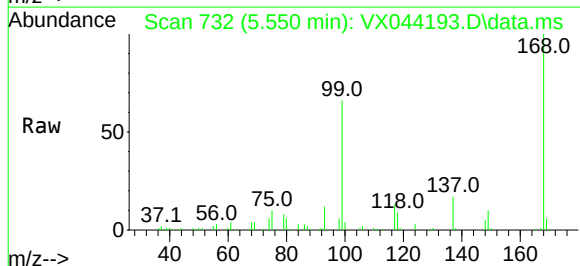




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 730
Delta R.T. 0.012 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

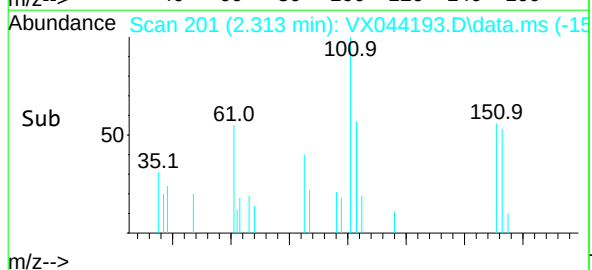
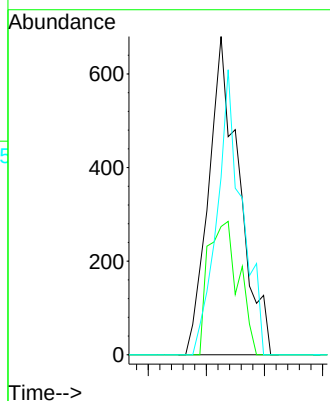
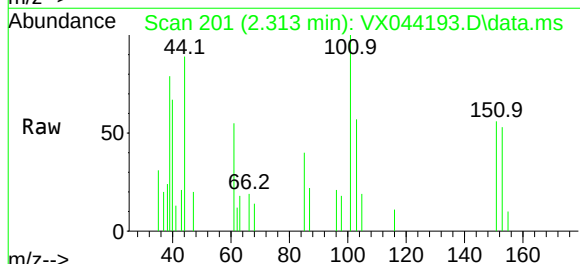
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

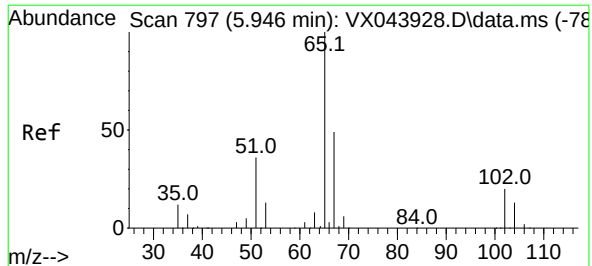
Tgt Ion:168 Resp: 109323
Ion Ratio Lower Upper
168 100
99 66.2 51.8 77.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.941 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Tgt Ion:101 Resp: 1244
Ion Ratio Lower Upper
101 100
85 41.6 37.9 56.9
151 72.9 57.5 86.3

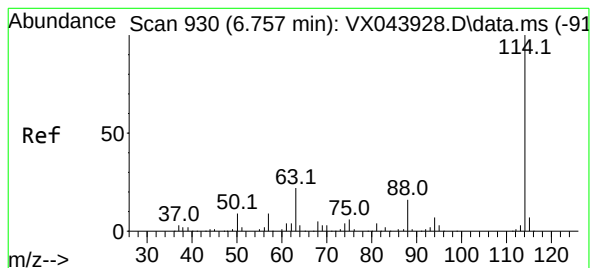
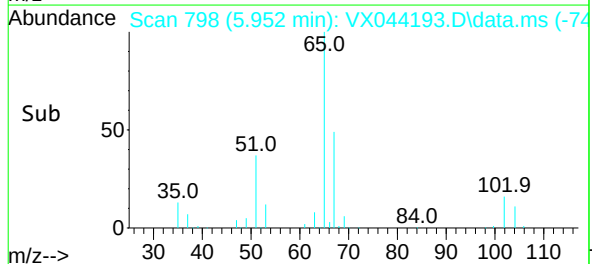
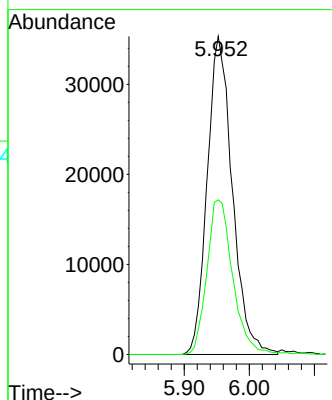
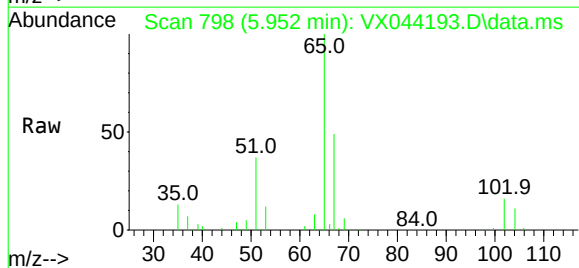




#33
1,2-Dichloroethane-d4
Concen: 50.510 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

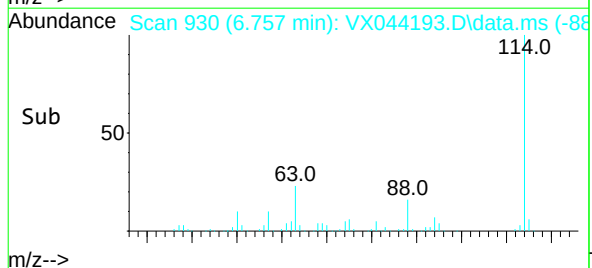
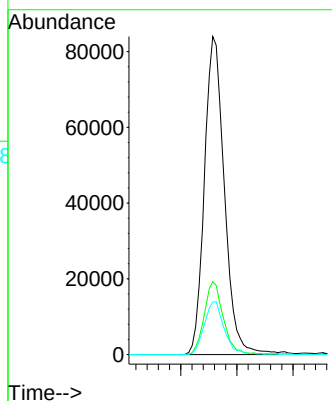
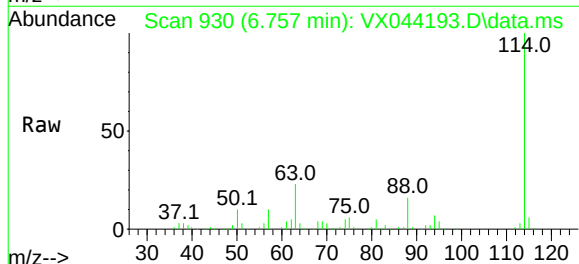
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20241206

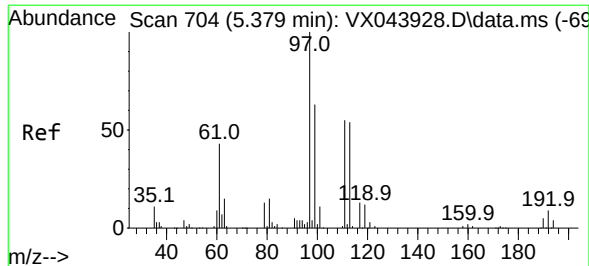
Tgt Ion: 65 Resp: 94710
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044193.D
Acq: 09 Dec 2024 17:14

Tgt Ion: 114 Resp: 207584
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.0
88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.108 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044193.D

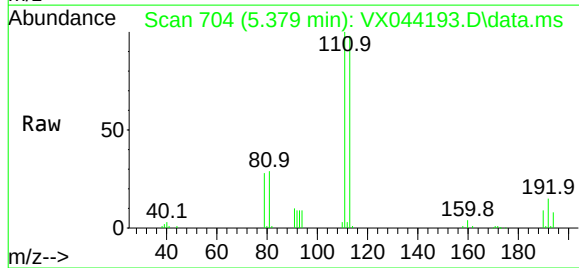
Acq: 09 Dec 2024 17:14

Instrument :

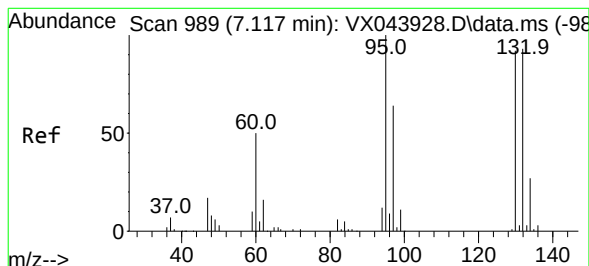
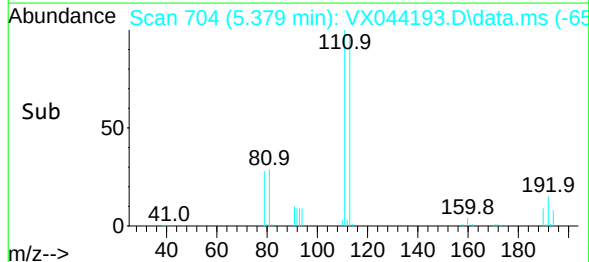
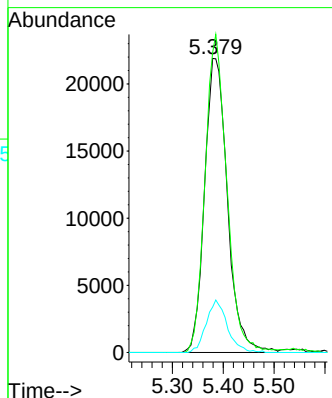
MSVOA_X

ClientSampleId :

RE105D2-20241206



Tgt Ion:	113	Resp:	68391
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	16.5	13.0	19.6



#44

Trichloroethene

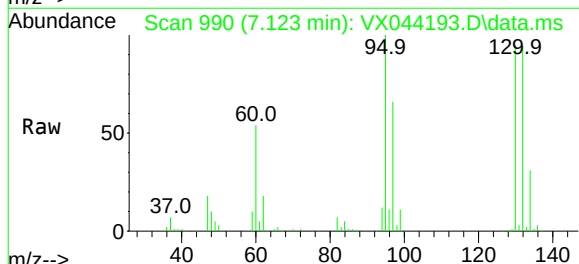
Concen: 79.535 ug/l

RT: 7.123 min Scan# 990

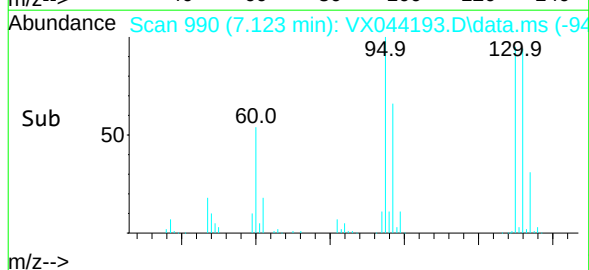
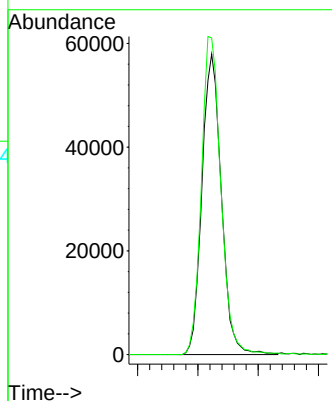
Delta R.T. 0.006 min

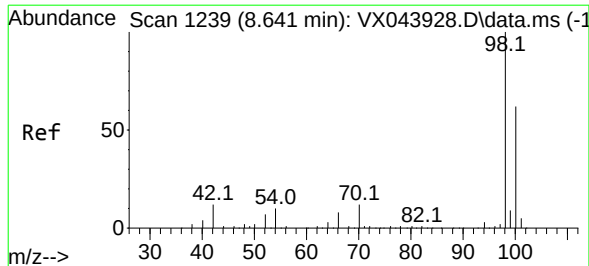
Lab File: VX044193.D

Acq: 09 Dec 2024 17:14



Tgt Ion:	130	Resp:	129632
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	217.8





#50

Toluene-d8

Concen: 49.455 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX044193.D

Acq: 09 Dec 2024 17:14

Instrument :

MSVOA_X

ClientSampleId :

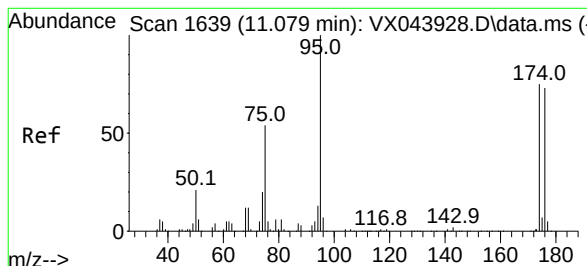
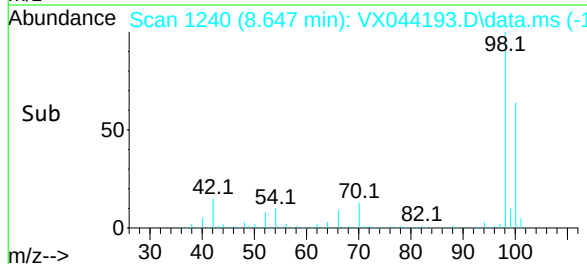
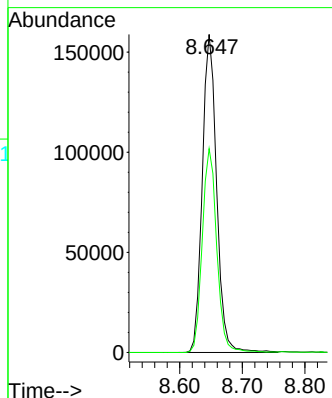
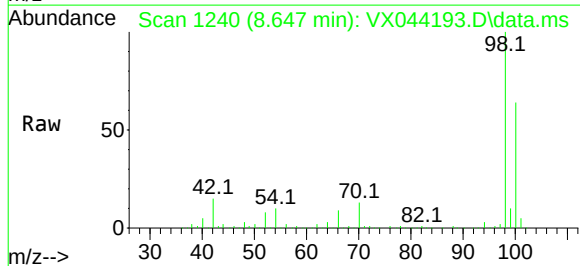
RE105D2-20241206

Tgt Ion: 98 Resp: 252866

Ion Ratio Lower Upper

98 100

100 64.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 51.479 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044193.D

Acq: 09 Dec 2024 17:14

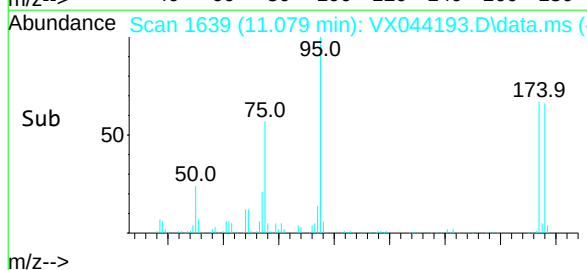
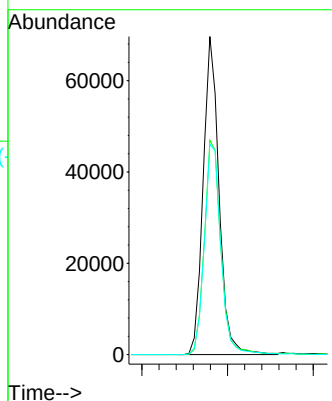
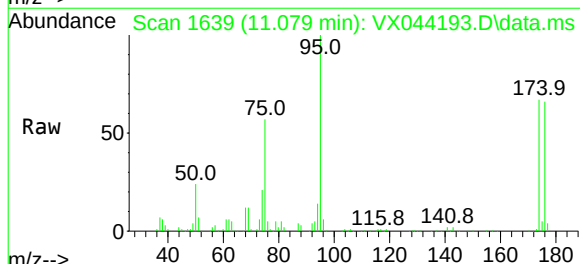
Tgt Ion: 95 Resp: 89579

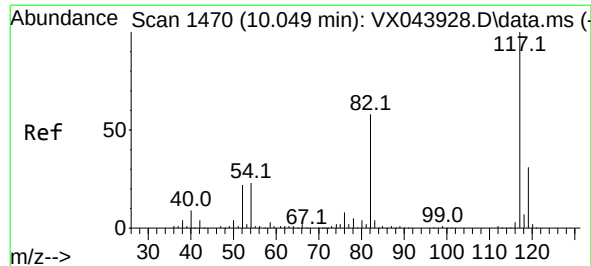
Ion Ratio Lower Upper

95 100

174 70.5 0.0 150.4

176 69.1 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044193.D

Acq: 09 Dec 2024 17:14

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20241206

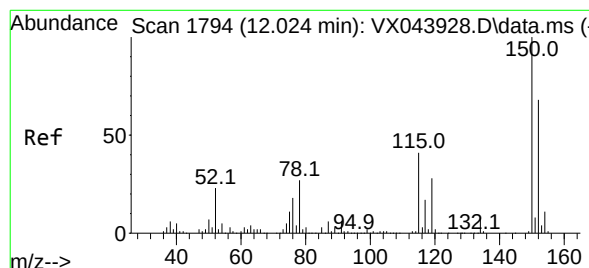
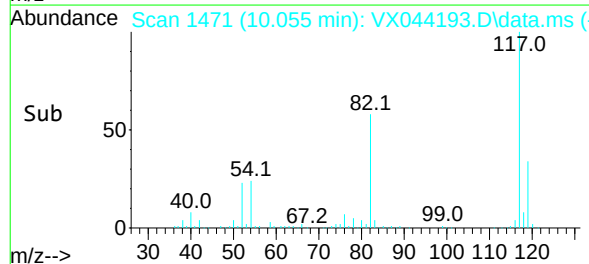
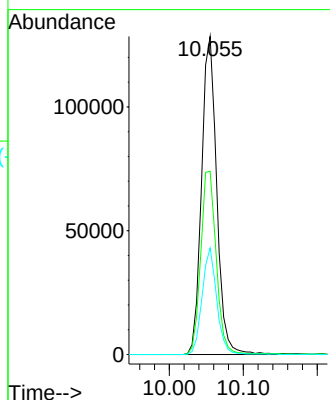
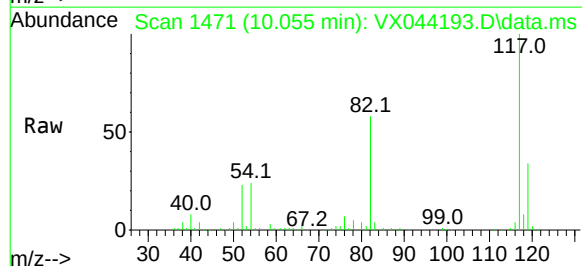
Tgt Ion:117 Resp: 182923

Ion Ratio Lower Upper

117 100

82 57.6 46.4 69.6

119 33.5 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044193.D

Acq: 09 Dec 2024 17:14

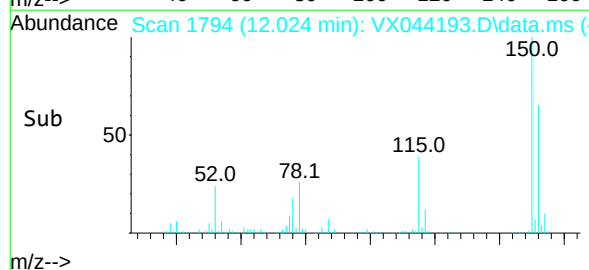
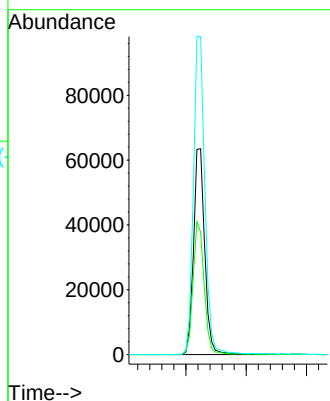
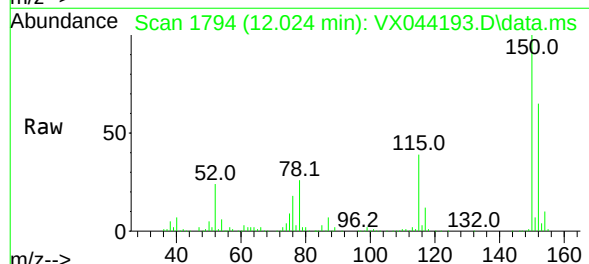
Tgt Ion:152 Resp: 82399

Ion Ratio Lower Upper

152 100

115 63.6 45.4 136.2

150 157.0 0.0 353.0



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	TB		SDG No.:	P5164	
Lab Sample ID:	P5164-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044200.D	1		12/10/24 11:59	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	1.20		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.58	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	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
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	TB		SDG No.:	P5164	
Lab Sample ID:	P5164-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044200.D	1		12/10/24 11:59	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	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
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	49.0		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	112000	5.55				
540-36-3	1,4-Difluorobenzene	212000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	76800	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	TB		SDG No.:	P5164	
Lab Sample ID:	P5164-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044200.D	1		12/10/24 11:59	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

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\VX121024\
Data File : VX044200.D
Acq On : 10 Dec 2024 11:59
Operator : JC/MD
Sample : P5164-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Dec 11 01:28:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

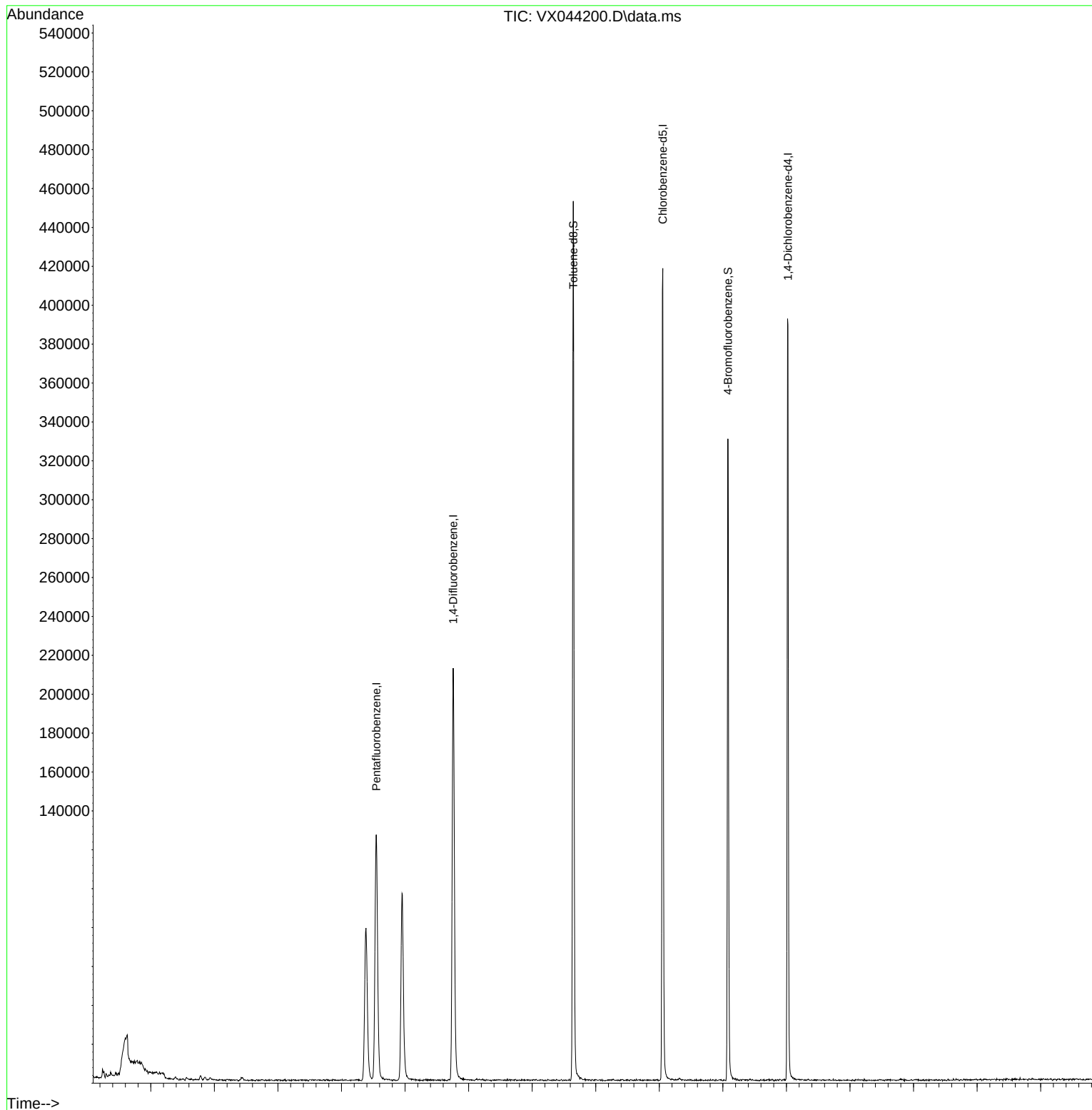
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	112437	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	211530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95552	49.548	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.100%	
35) Dibromofluoromethane	5.379	113	68775	45.501	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	91.000%	
50) Toluene-d8	8.647	98	255312	49.002	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	98.000%	
62) 4-Bromofluorobenzene	11.079	95	85535	48.238	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	96.480%	
Target Compounds						
3) Chloromethane	1.300	50	1780	1.188	ug/l #	78
16) Acetone	2.386	43	1228	1.386	ug/l	94
20) Methylene Chloride	2.782	84	872	0.580	ug/l #	47

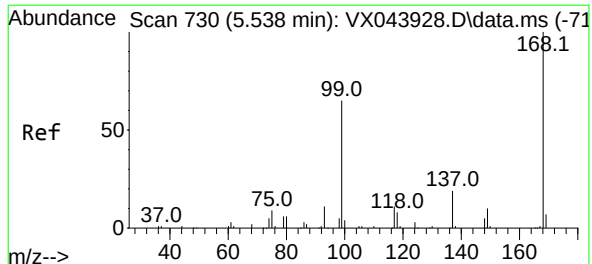
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044200.D
Acq On : 10 Dec 2024 11:59
Operator : JC/MD
Sample : P5164-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Dec 11 01:28:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 73

Delta R.T. 0.012 min

Lab File: VX044200.D

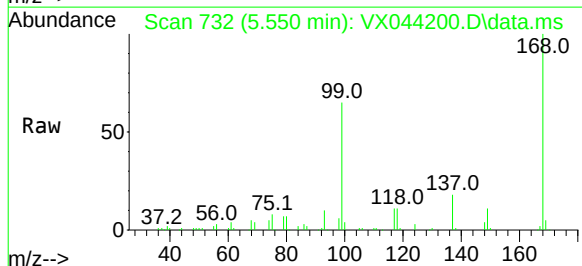
Acq: 10 Dec 2024 11:59

Instrument :

MSVOA_X

ClientSampleId :

TB

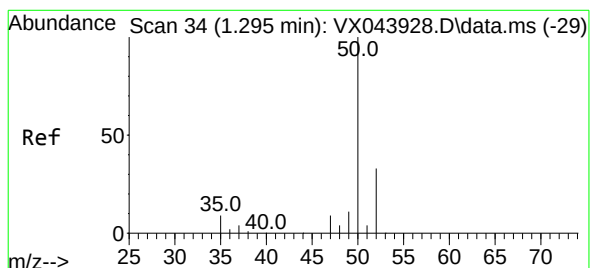
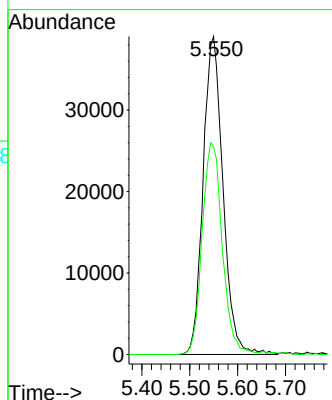
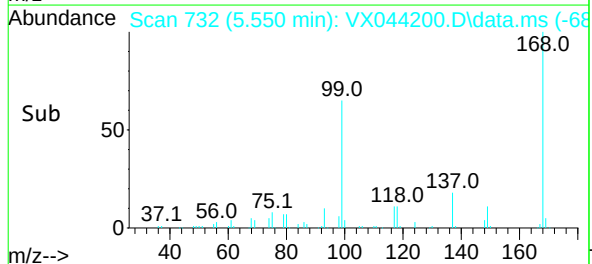


Tgt Ion:168 Resp: 112437

Ion Ratio Lower Upper

168 100

99 65.3 51.8 77.8



#3

Chloromethane

Concen: 1.188 ug/l

RT: 1.300 min Scan# 35

Delta R.T. 0.006 min

Lab File: VX044200.D

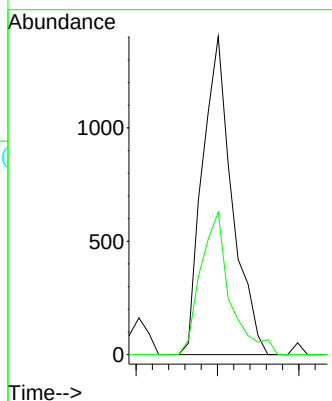
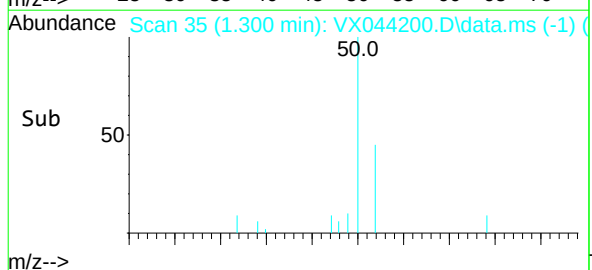
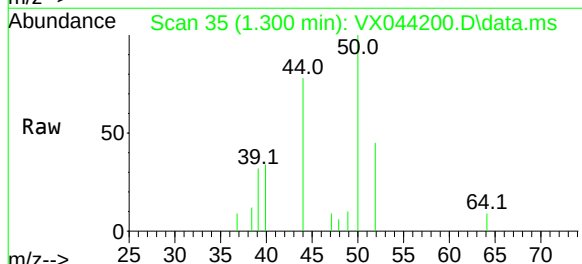
Acq: 10 Dec 2024 11:59

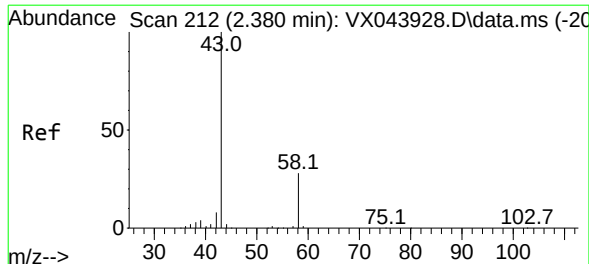
Tgt Ion: 50 Resp: 1780

Ion Ratio Lower Upper

50 100

52 44.8 26.1 39.1#





#16

Acetone

Concen: 1.386 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX044200.D

Acq: 10 Dec 2024 11:59

Instrument :

MSVOA_X

ClientSampleId :

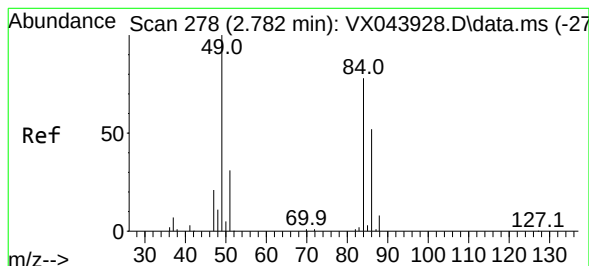
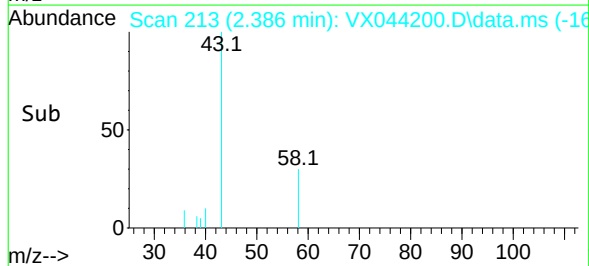
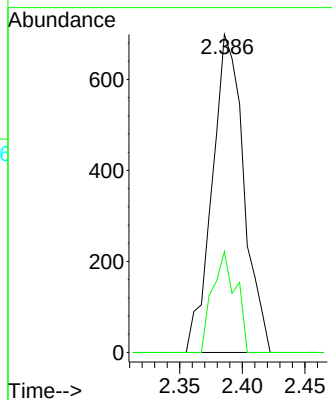
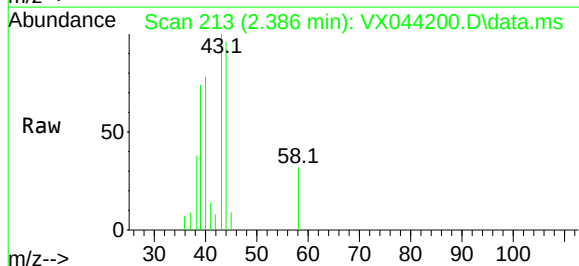
TB

Tgt Ion: 43 Resp: 1228

Ion Ratio Lower Upper

43 100

58 31.8 22.7 34.1



#20

Methylene Chloride

Concen: 0.580 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044200.D

Acq: 10 Dec 2024 11:59

Tgt Ion: 84 Resp: 872

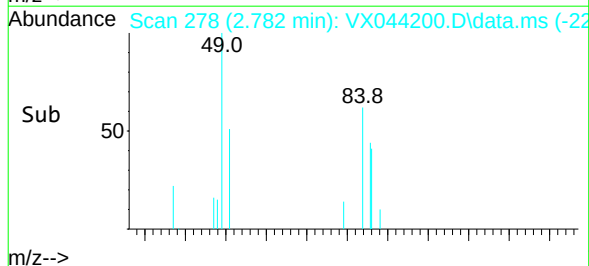
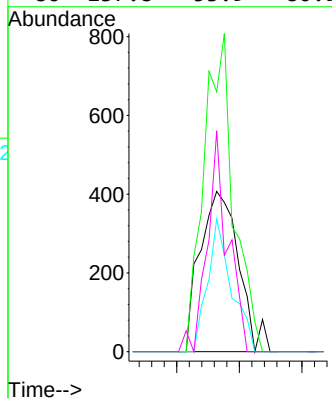
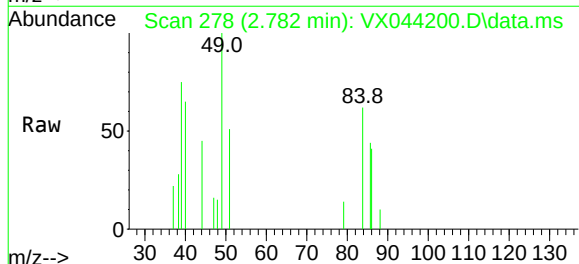
Ion Ratio Lower Upper

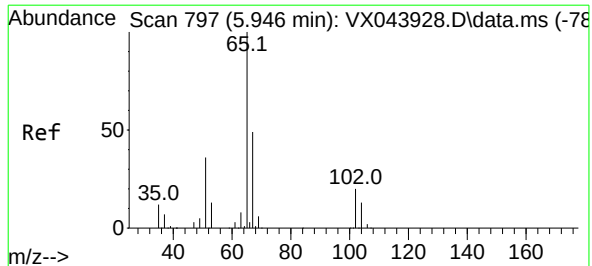
84 100

49 162.2 102.7 154.1#

51 82.8 31.7 47.5#

86 137.8 53.9 80.9#

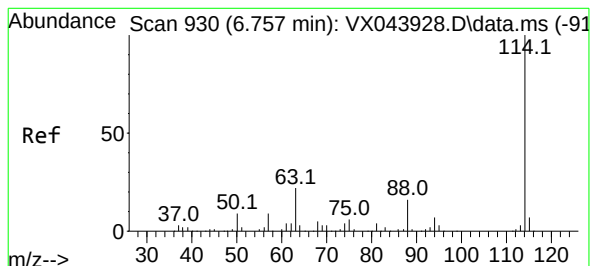
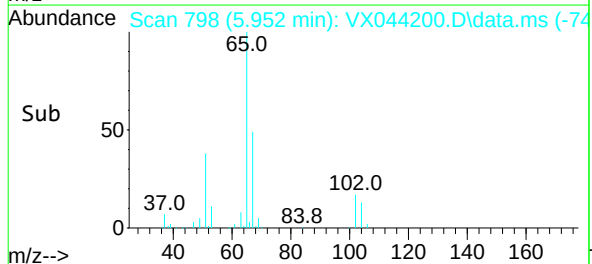
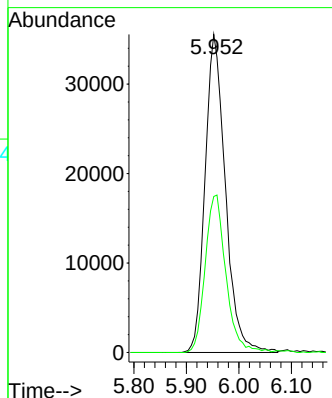
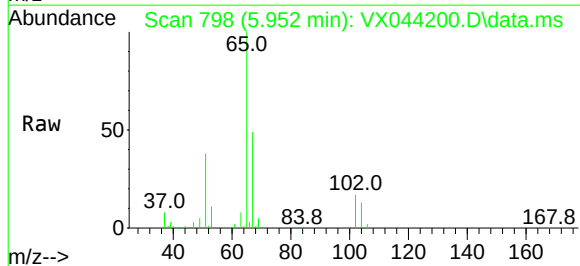




#33
1,2-Dichloroethane-d4
Concen: 49.548 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

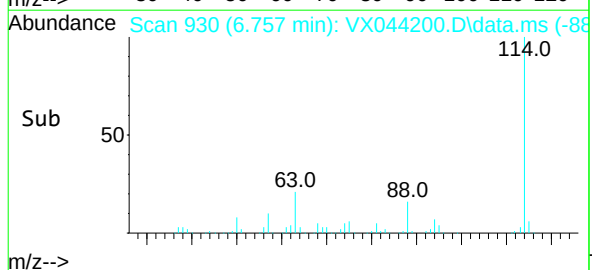
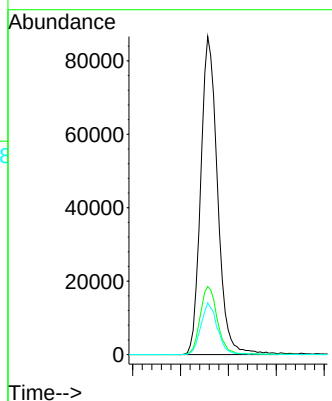
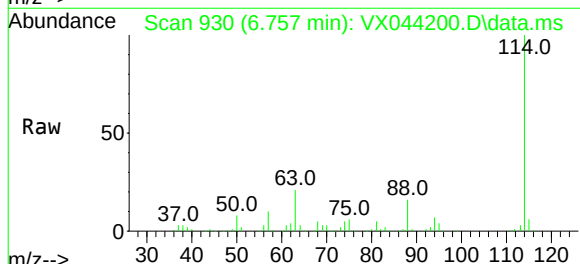
Instrument :
MSVOA_X
ClientSampleId :
TB

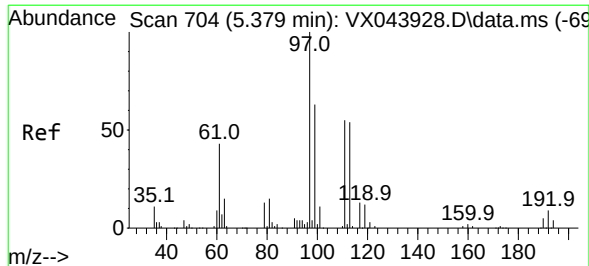
Tgt Ion:	65	Resp:	95552
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Tgt Ion:	114	Resp:	211530
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.3	0.0	32.4





#35

Dibromofluoromethane

Concen: 45.501 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044200.D

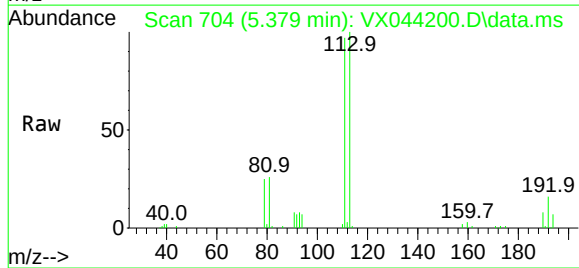
Acq: 10 Dec 2024 11:59

Instrument :

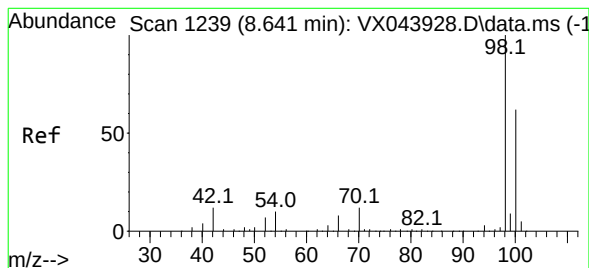
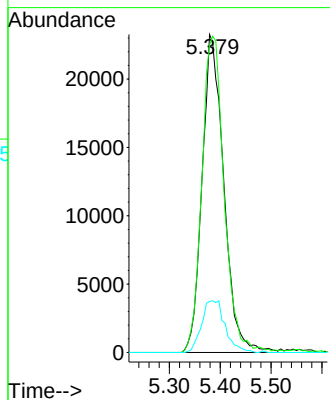
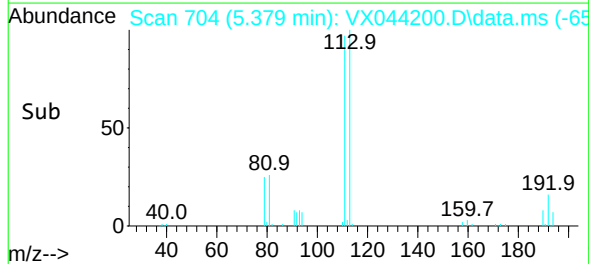
MSVOA_X

ClientSampleId :

TB



Tgt Ion:	113	Resp:	68775
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.4
192	17.6	13.0	19.6



#50

Toluene-d8

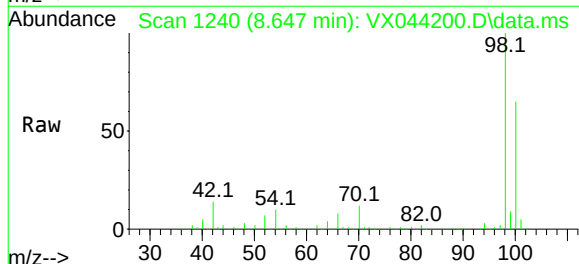
Concen: 49.002 ug/l

RT: 8.647 min Scan# 1240

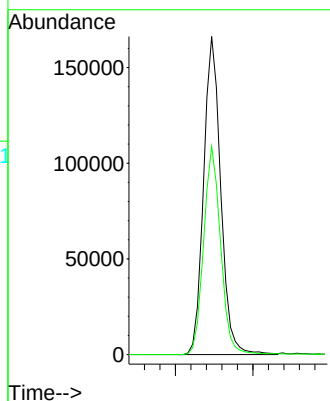
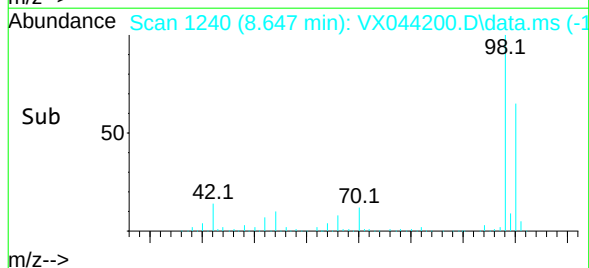
Delta R.T. 0.006 min

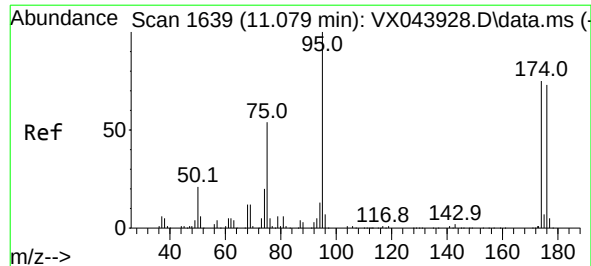
Lab File: VX044200.D

Acq: 10 Dec 2024 11:59



Tgt Ion:	98	Resp:	255312
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0





#62

4-Bromofluorobenzene

Concen: 48.238 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044200.D

Acq: 10 Dec 2024 11:59

Instrument :

MSVOA_X

ClientSampleId :

TB

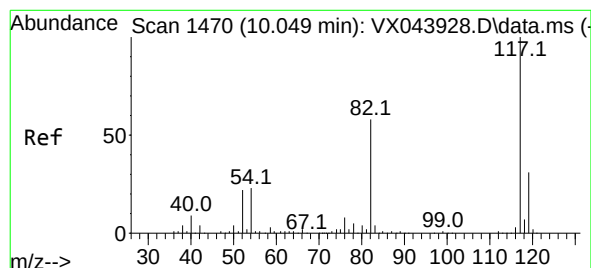
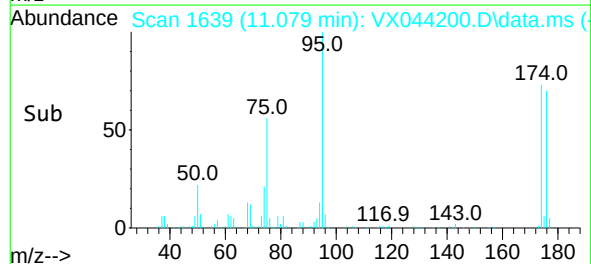
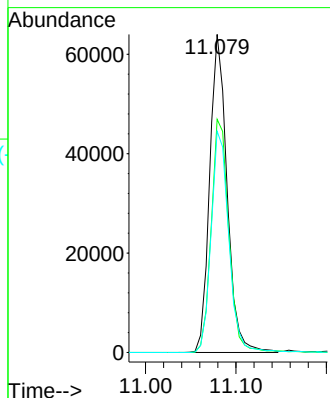
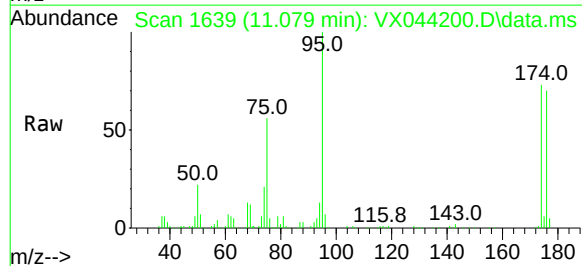
Tgt Ion: 95 Resp: 85535

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.4

176 71.1 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044200.D

Acq: 10 Dec 2024 11:59

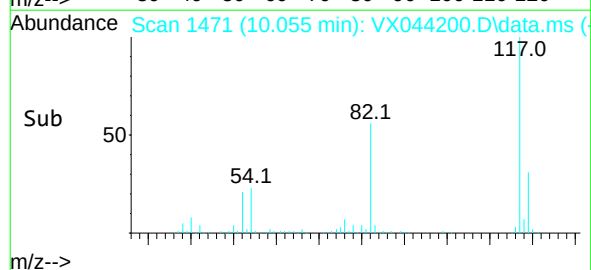
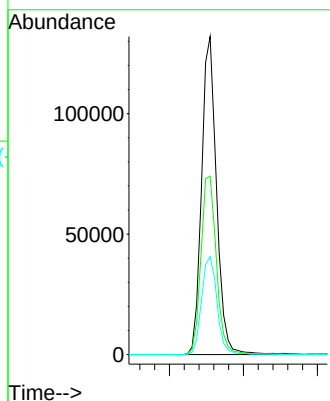
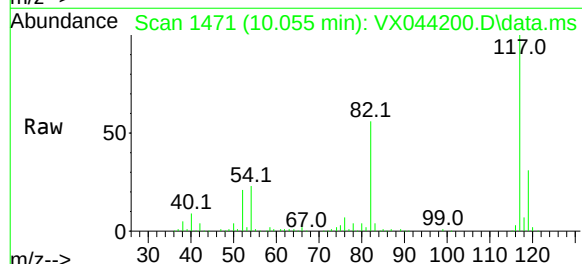
Tgt Ion: 117 Resp: 185283

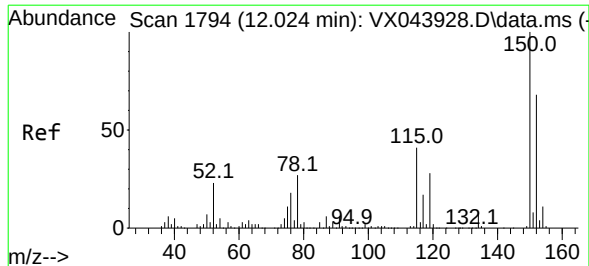
Ion Ratio Lower Upper

117 100

82 56.1 46.4 69.6

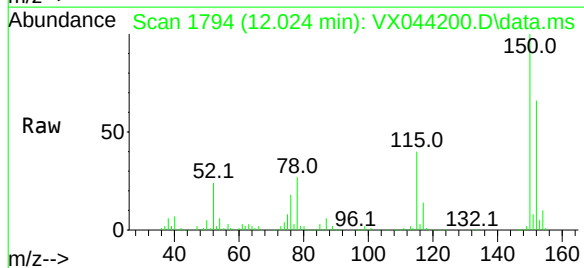
119 30.8 24.6 37.0



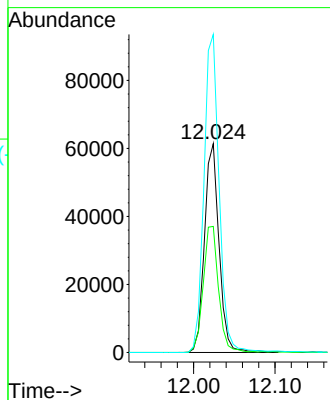
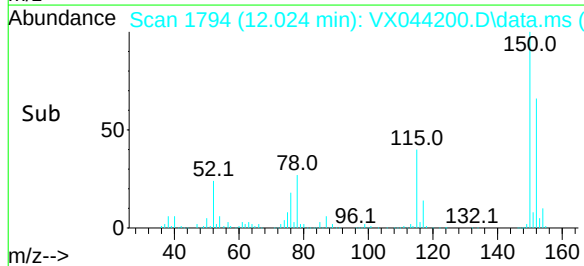


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044200.D
Acq: 10 Dec 2024 11:59

Instrument :
MSVOA_X
ClientSampleId :
TB



Tgt Ion:	152	Resp:	76755
Ion Ratio	Lower	Upper	
152	100		
115	63.4	45.4	136.2
150	158.9	0.0	353.0



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	FB-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044186.D	1		12/09/24 14:30	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.10	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.45	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	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
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	12/06/24		
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	12/06/24		
Client Sample ID:	FB-20241206			SDG No.:	P5164		
Lab Sample ID:	P5164-06			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:			uL	Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044186.D	1		12/09/24 14:30	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	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
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		80 - 119		89%	SPK: 50
2037-26-5	Toluene-d8	49.8		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	106000	5.55				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	181000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	74300	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	12/06/24	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	12/06/24	
Client Sample ID:	FB-20241206		SDG No.:	P5164	
Lab Sample ID:	P5164-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044186.D	1		12/09/24 14:30	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX120924\
Data File : VX044186.D
Acq On : 09 Dec 2024 14:30
Operator : JC/MD
Sample : P5164-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Quant Time: Dec 10 01:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

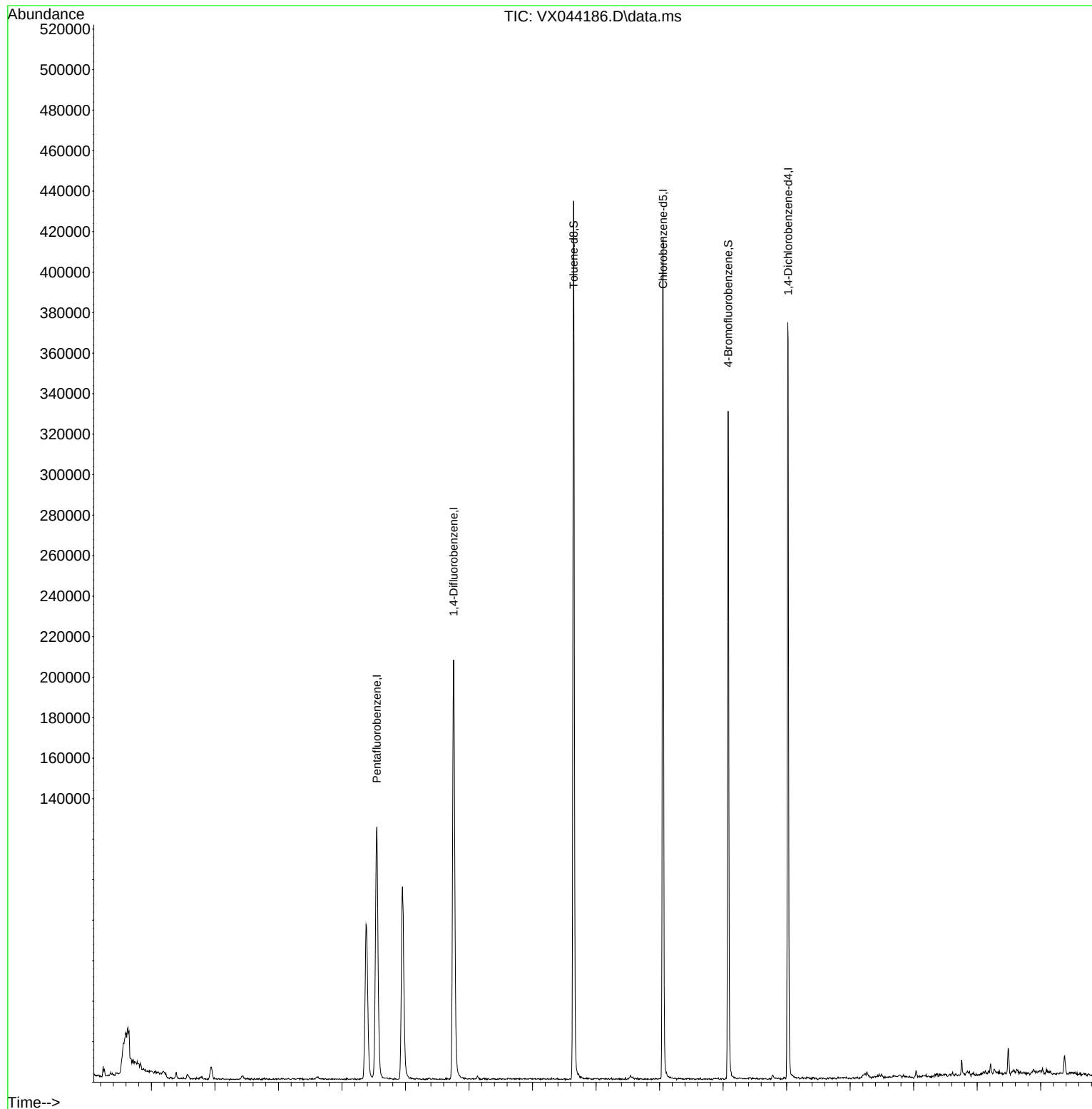
Internal Standards						
1) Pentafluorobenzene	5.550	168	105637	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	204810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96390	53.200	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	106.400%	
35) Dibromofluoromethane	5.385	113	65368	44.666	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	89.340%	
50) Toluene-d8	8.647	98	251001	49.755	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	99.520%	
62) 4-Bromofluorobenzene	11.079	95	85098	49.566	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.140%	
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	2612	3.139	ug/l #	89
20) Methylene Chloride	2.776	84	630	0.446	ug/l #	66

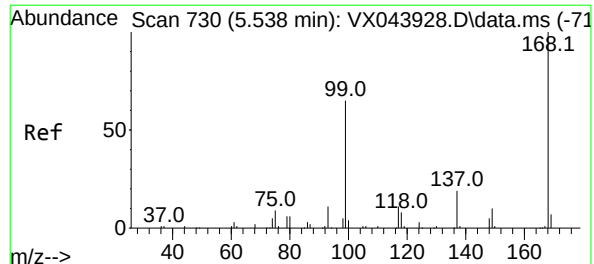
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044186.D
Acq On : 09 Dec 2024 14:30
Operator : JC/MD
Sample : P5164-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

Quant Time: Dec 10 01:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

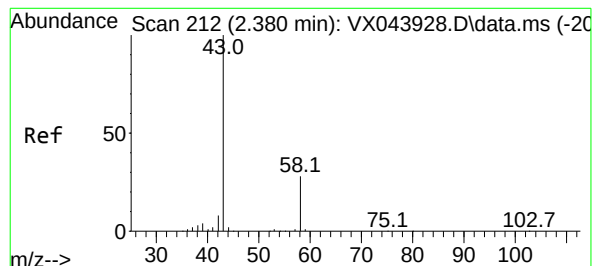
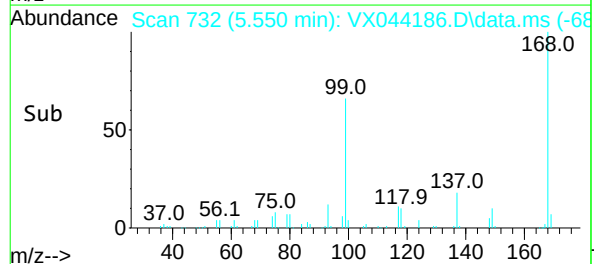
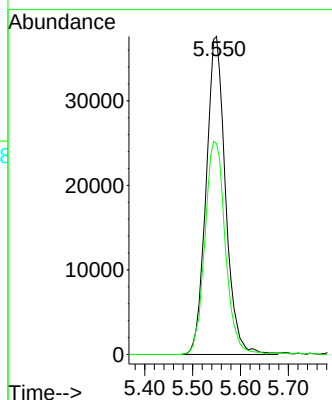
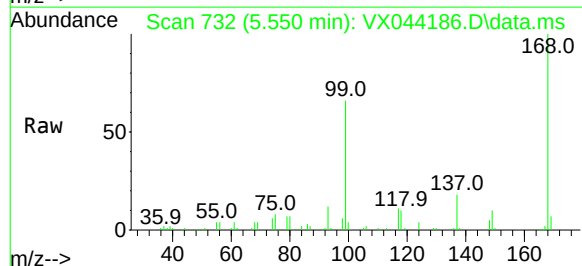




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

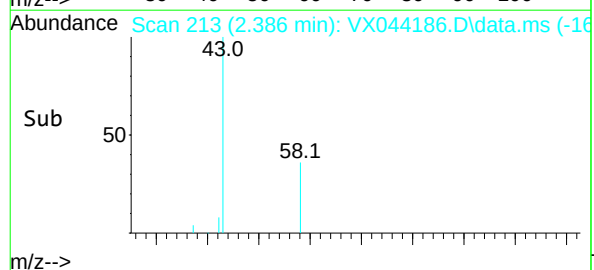
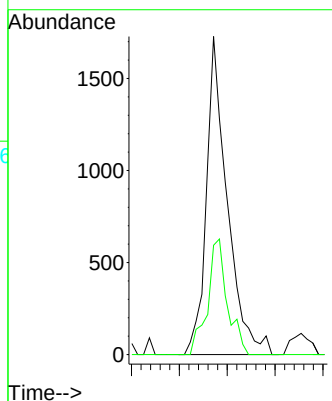
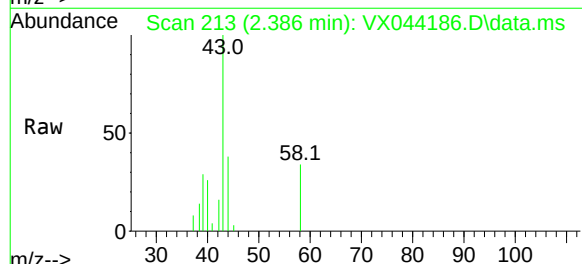
Instrument :
MSVOA_X
ClientSampleId :
FB-20241206

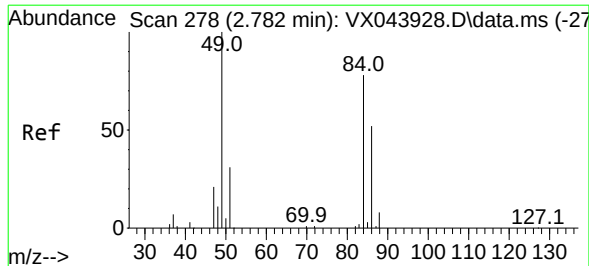
Tgt Ion: 168 Resp: 105637
Ion Ratio Lower Upper
168 100
99 66.3 51.8 77.8



#16
Acetone
Concen: 3.139 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044186.D
Acq: 09 Dec 2024 14:30

Tgt Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
58 34.4 22.7 34.1#





#20

Methylene Chloride

Concen: 0.446 ug/l

RT: 2.776 min Scan# 27

Delta R.T. -0.006 min

Lab File: VX044186.D

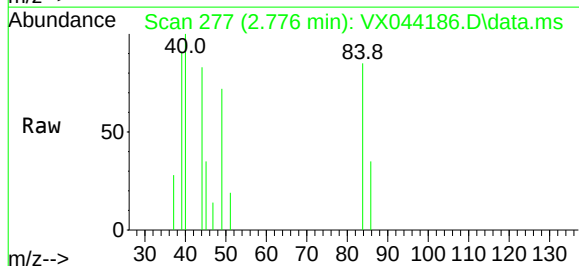
Acq: 09 Dec 2024 14:30

Instrument :

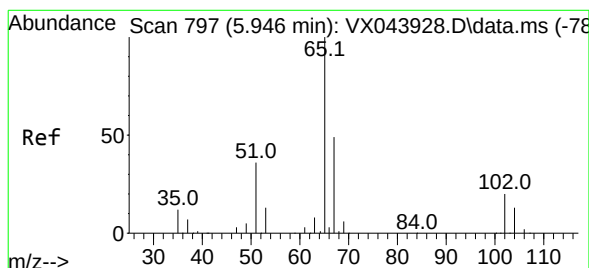
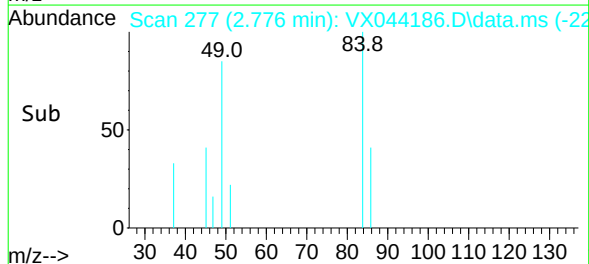
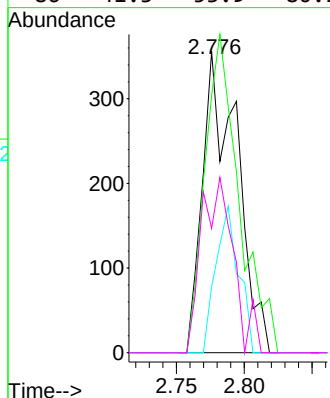
MSVOA_X

ClientSampleId :

FB-20241206



Tgt Ion:	84	Resp:	630
Ion	Ratio	Lower	Upper
84	100		
49	85.4	102.7	154.1#
51	21.9	31.7	47.5#
86	41.3	53.9	80.9#



#33

1,2-Dichloroethane-d4

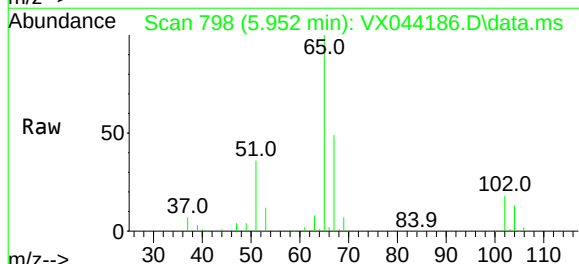
Concen: 53.200 ug/l

RT: 5.952 min Scan# 798

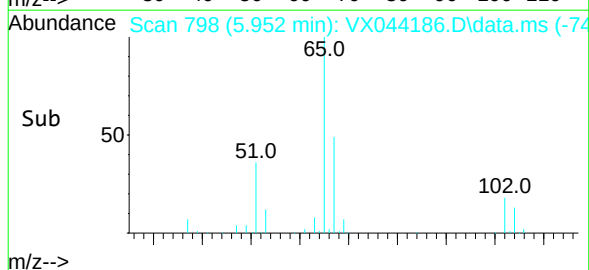
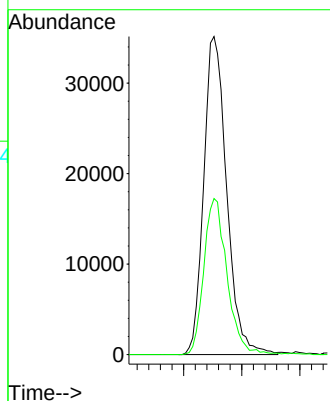
Delta R.T. 0.006 min

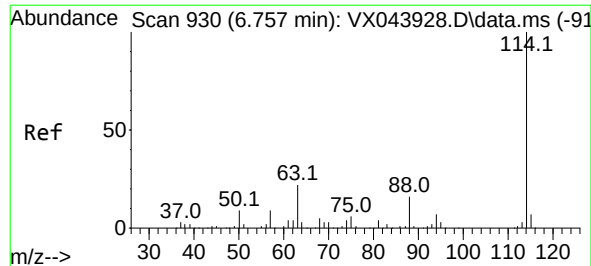
Lab File: VX044186.D

Acq: 09 Dec 2024 14:30



Tgt Ion:	65	Resp:	96390
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX044186.D

Acq: 09 Dec 2024 14:30

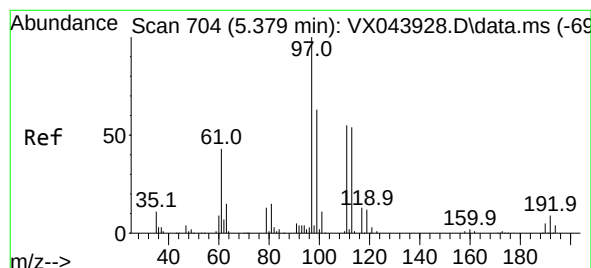
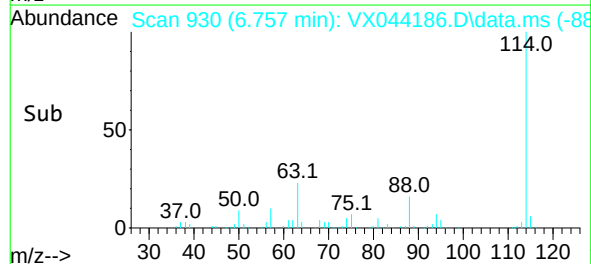
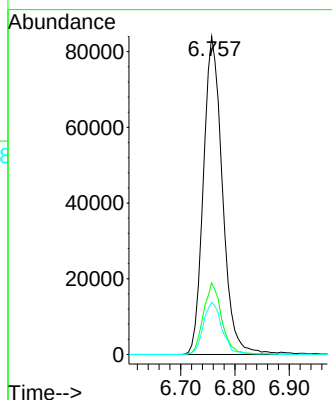
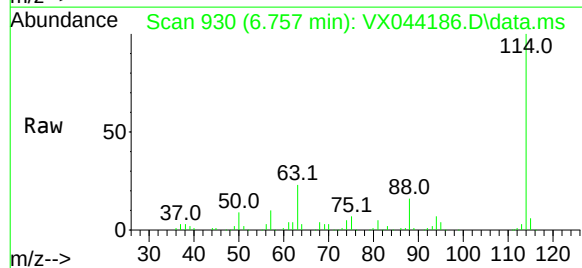
Instrument :

MSVOA_X

ClientSampleId :

FB-20241206

Tgt Ion:	114	Resp:	204810
Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.5	0.0	32.4



#35

Dibromofluoromethane

Concen: 44.666 ug/l

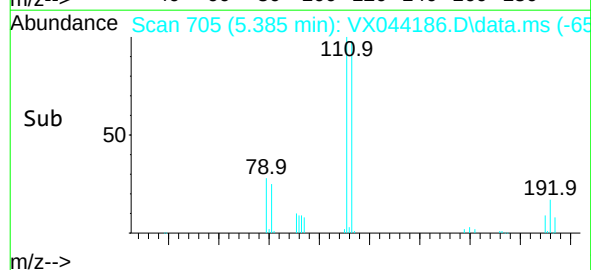
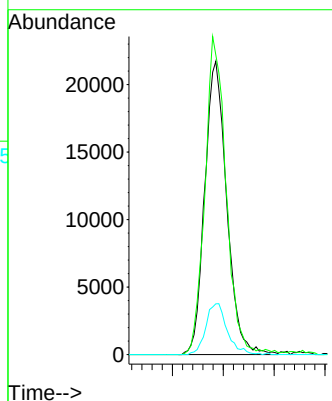
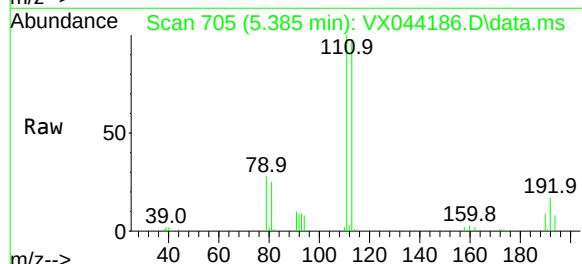
RT: 5.385 min Scan# 705

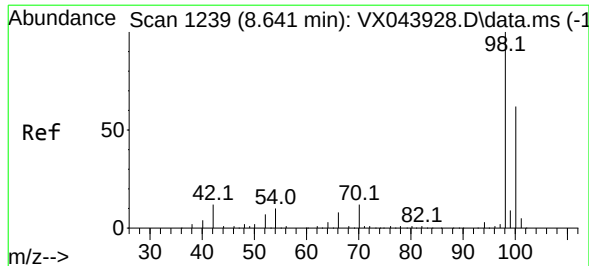
Delta R.T. 0.006 min

Lab File: VX044186.D

Acq: 09 Dec 2024 14:30

Tgt Ion:	113	Resp:	65368
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.0	121.4
192	16.9	13.0	19.6





#50

Toluene-d8

Concen: 49.755 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX044186.D

Acq: 09 Dec 2024 14:30

Instrument :

MSVOA_X

ClientSampleId :

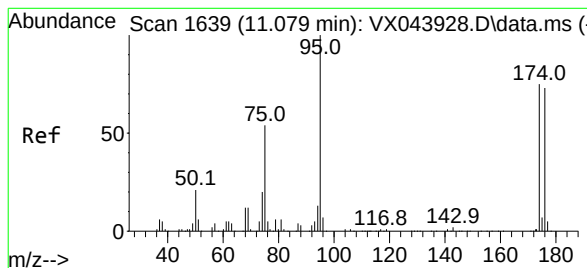
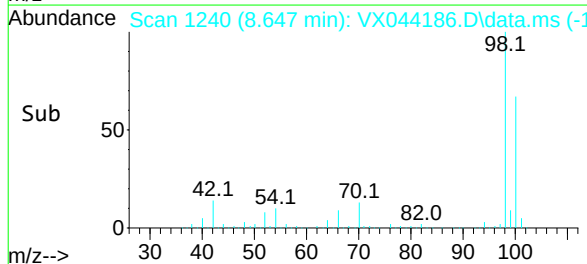
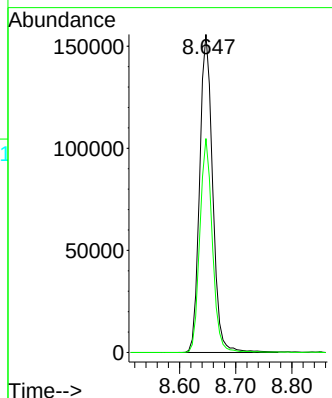
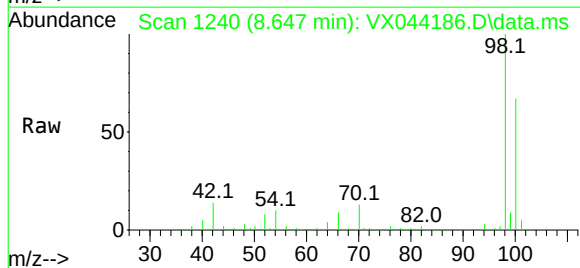
FB-20241206

Tgt Ion: 98 Resp: 251001

Ion Ratio Lower Upper

98 100

100 64.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 49.566 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044186.D

Acq: 09 Dec 2024 14:30

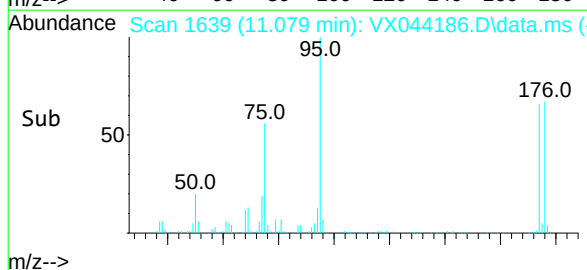
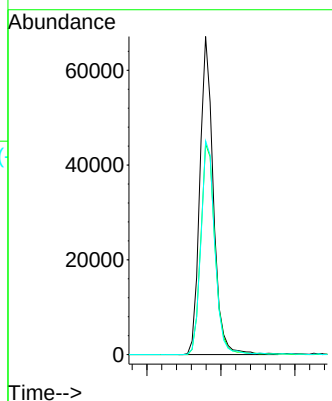
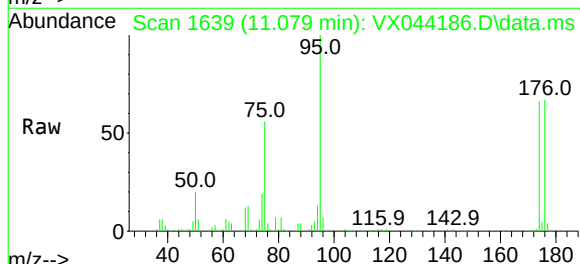
Tgt Ion: 95 Resp: 85098

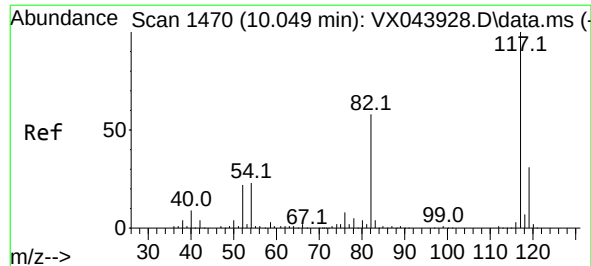
Ion Ratio Lower Upper

95 100

174 70.0 0.0 150.4

176 69.2 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044186.D

Acq: 09 Dec 2024 14:30

Instrument :

MSVOA_X

ClientSampleId :

FB-20241206

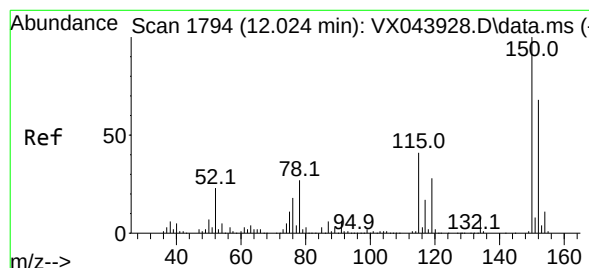
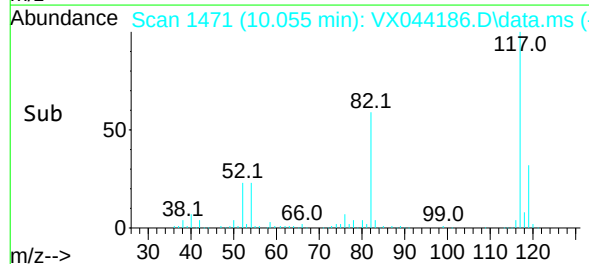
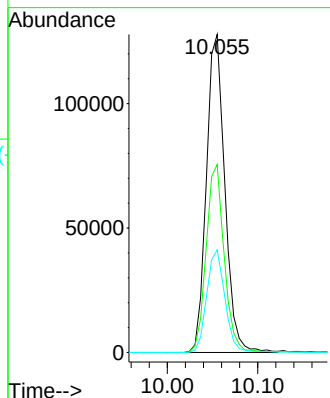
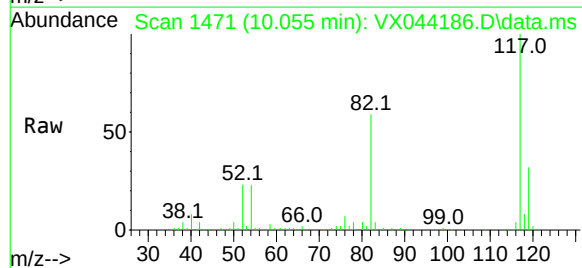
Tgt Ion:117 Resp: 181265

Ion Ratio Lower Upper

117 100

82 59.1 46.4 69.6

119 32.3 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044186.D

Acq: 09 Dec 2024 14:30

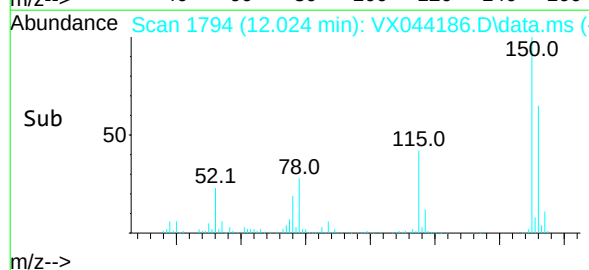
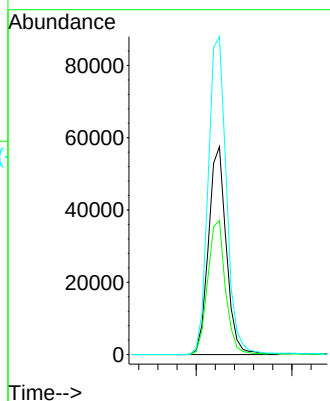
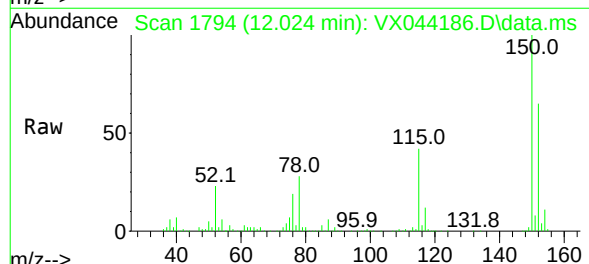
Tgt Ion:152 Resp: 74280

Ion Ratio Lower Upper

152 100

115 64.3 45.4 136.2

150 157.9 0.0 353.0





CALIBRATION SUMMARY

- 1
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- 17



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164
 Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX043925.D	RRF005 = VX043926.D	RRF020 = VX043927.D	RRF050 = VX043928.D	RRF100 = VX043929.D	RRF150 = VX043930.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.6
Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.3
Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.6
Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	2
Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.9
Trichlorofluoromethane	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.3
1,1,2-Trichlorotrifluoroethane	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.5
1,1-Dichloroethene	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.4
Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.4
Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.6
Methyl tert-butyl Ether	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.5
Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.3
Methylene Chloride	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.3
trans-1,2-Dichloroethene	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.7
1,1-Dichloroethane	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.6
Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.6
2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.1
Carbon Tetrachloride	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.7
cis-1,2-Dichloroethene	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.8
Bromochloromethane	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.7
Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.4
1,1,1-Trichloroethane	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.9
Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.9
Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7
1,2-Dichloroethane	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.4
Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.5
1,2-Dichloropropane	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.8
Bromodichloromethane	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.4
4-Methyl-2-Pentanone	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.4
Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164
 Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043925.D		RRF005 = VX043926.D		RRF020 = VX043927.D			
		RRF050 = VX043928.D		RRF100 = VX043929.D		RRF150 = VX043930.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.2	
cis-1,3-Dichloropropene	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.4	
1,1,2-Trichloroethane	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.1	
2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.5	
Dibromochloromethane	0.249	0.292	0.344	0.396	0.380	0.401	0.344	18	
1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.3	
Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.1	
Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.1	
Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.2	
m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.6	
o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.7	
Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.5	
Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.9	
Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.3	
1,1,2,2-Tetrachloroethane	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.7	
1,3-Dichlorobenzene	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.9	
1,4-Dichlorobenzene	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.1	
1,2-Dichlorobenzene	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.8	
1,2-Dibromo-3-Chloropropane	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12	
1,2,4-Trichlorobenzene	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.5	
1,2,3-Trichlorobenzene	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.8	
1,2-Dichloroethane-d4		0.926	0.876	0.751	0.855	0.880	0.858	7.6	
Dibromofluoromethane		0.371	0.353	0.327	0.359	0.376	0.357	5.4	
Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.6	
4-Bromofluorobenzene		0.401	0.414	0.387	0.438	0.455	0.419	6.6	

* 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 : 82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024
Response Via : Initial Calibration

Calibration Files

1 =VX043925.D 5 =VX043926.D 20 =VX043927.D 50 =VX043928.D 100 =VX043929.D 150 =VX043930.

D

Compound		1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.64
3) P	Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.26
4) C	Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.56#
5) T	Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	1.95
6) T	Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.87
7) T	Trichlorofluor...	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.27
8) T	Diethyl Ether	0.477	0.430	0.470	0.474	0.455	0.467	0.462	3.80
9) T	1,1,2-Trichlor...	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.47
10) T	Methyl Iodide		0.656	0.782	0.809	0.773	0.755	0.755	7.75
11) T	Tert butyl alc...		0.123	0.133	0.145	0.134	0.154	0.138	8.73
12) CM	1,1-Dichloroet...	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.38#
13) T	Acrolein		0.158	0.128	0.145	0.145	0.148	0.145	7.53
14) T	Allyl chloride	0.796	0.854	0.964	1.044	0.998	0.993	0.941	10.17
15) T	Acrylonitrile	0.301	0.322	0.343	0.370	0.332	0.345	0.335	6.97
16) T	Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.39
17) T	Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.64
18) T	Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.32
19) T	Methyl tert-bu...	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.52
20) T	Methylene Chlo...	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.33
21) T	trans-1,2-Dich...	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.72
22) T	Diisopropyl ether	1.638	1.930	2.170	2.162	2.071	2.106	2.013	10.09
23) T	Vinyl Acetate	1.244	1.542	1.833	1.941	1.858	1.914	1.722	15.93
24) P	1,1-Dichloroet...	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.63
25) T	2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.10
26) T	2,2-Dichloropr...	0.902	0.997	1.062	1.141	1.082	1.109	1.049	8.28
27) T	cis-1,2-Dichlo...	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.83
28) T	Bromochloromet...	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.68
29) T	Tetrahydrofuran	0.286	0.312	0.319	0.338	0.303	0.311	0.312	5.49
30) C	Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.41#
31) T	Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.60
32) T	1,1,1-Trichlor...	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.86
33) S	1,2-Dichloroet...		0.926	0.876	0.751	0.855	0.880	0.858	7.57
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.371	0.353	0.327	0.359	0.376	0.357	5.43
36) T	1,1-Dichloropr...	0.382	0.430	0.449	0.494	0.452	0.465	0.445	8.36
37) T	Ethyl Acetate	0.517	0.549	0.549	0.610	0.539	0.552	0.553	5.61
38) T	Carbon Tetrach...	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.69
39) T	Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.91
40) TM	Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7.04
41) T	Methacrylonitrile	0.219	0.278	0.292	0.329	0.291	0.289	0.283	12.67
42) TM	1,2-Dichloroet...	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.41
43) T	Isopropyl Acetate	0.745	0.840	0.893	0.976	0.894	0.928	0.880	9.07
44) TM	Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.47
45) C	1,2-Dichloropr...	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.84#
46) T	Dibromomethane	0.239	0.240	0.280	0.293	0.276	0.284	0.269	8.58
47) T	Bromodichlorom...	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.40
48) T	Methyl methacr...	0.387	0.385	0.423	0.467	0.427	0.443	0.422	7.57
49) T	1,4-Dioxane	0.006	0.008	0.008	0.008	0.008	0.007	0.008	11.13
50) S	Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.58
51) T	4-Methyl-2-Pen...	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.41
52) CM	Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12.02#
53) T	t-1,3-Dichloro...	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.21
54) T	cis-1,3-Dichlo...	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.38
55) T	1,1,2-Trichlor...	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\

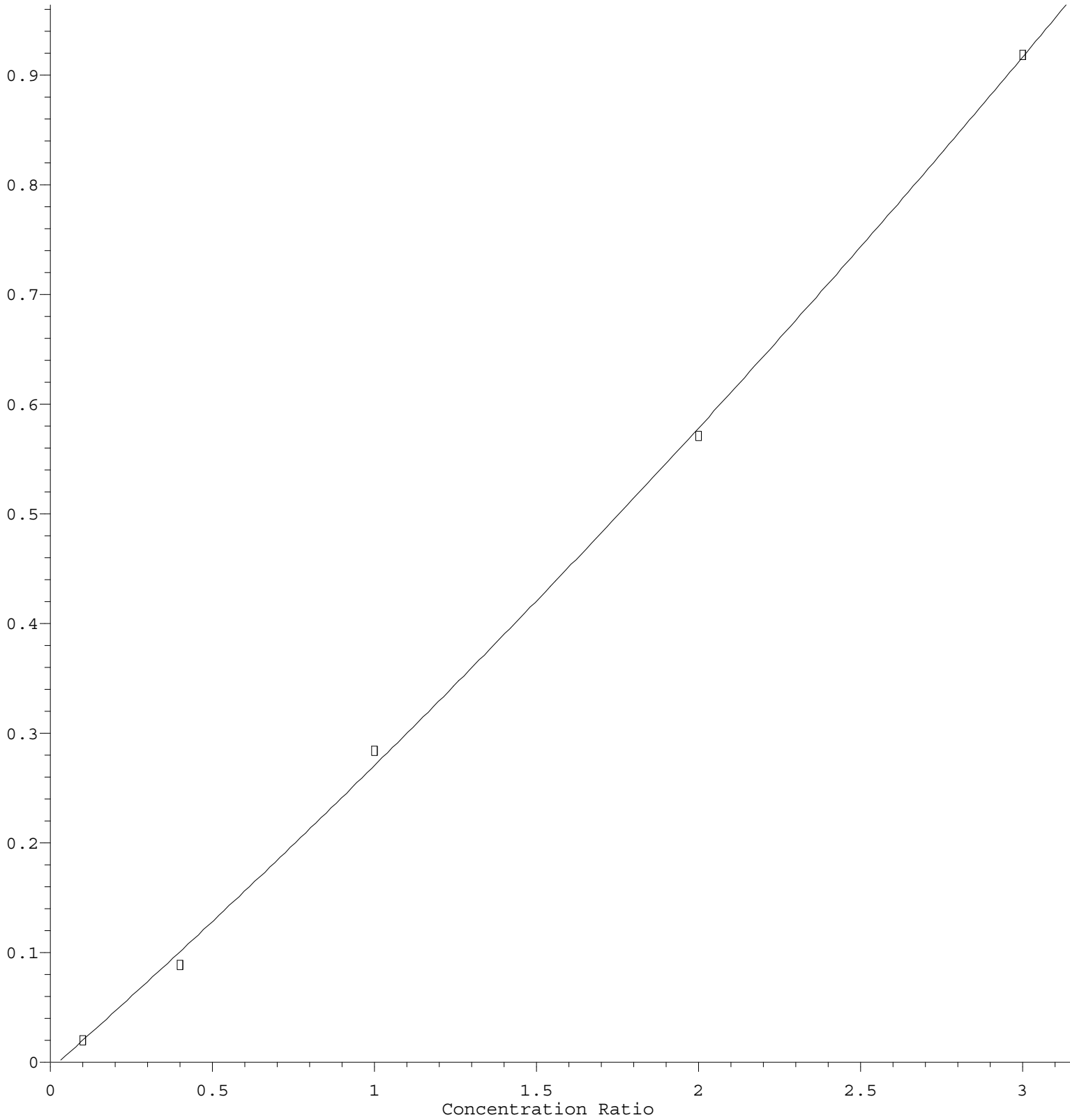
Method File : 82X112124W.M

56)	T	Ethyl methacry...	0.379	0.467	0.571	0.614	0.582	0.590	0.534	17.12
57)	T	1,3-Dichloropr...	0.480	0.574	0.620	0.625	0.579	0.585	0.577	9.04
58)	T	2-Chloroethyl ...	0.159	0.327	0.276	0.307	0.284	0.287	0.273	21.65
59)	T	2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.49
60)	T	Dibromochlorom...	0.249	0.292	0.344	0.396	0.380	0.401	0.344	17.98
61)	T	1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.33
62)	S	4-Bromofluorob...	0.401	0.414	0.387	0.438	0.455	0.419		6.61
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.14
65)	PM	Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.05
66)	T	1,1,1,2-Tetrac...	0.260	0.332	0.371	0.395	0.382	0.396	0.356	14.75
67)	C	Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.19#
68)	T	m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.57
69)	T	o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.75
70)	T	Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.47
71)	P	Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.88
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.32
74)	T	N-amyl acetate	1.249	1.648	1.867	1.996	1.895	2.029	1.780	16.45
75)	P	1,1,2,2-Tetrac...	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.70
76)	T	1,2,3-Trichlor...	0.863	1.246	1.153	1.181	1.053	1.084	1.096	12.17
77)	T	Bromobenzene	0.794	0.958	0.955	0.975	0.883	0.936	0.917	7.40
78)	T	n-propylbenzene	3.667	4.115	4.469	4.733	4.286	4.486	4.293	8.63
79)	T	2-Chlorotoluene	2.487	2.766	2.868	2.857	2.581	2.726	2.714	5.62
80)	T	1,3,5-Trimethy...	2.704	3.115	3.352	3.444	3.118	3.238	3.162	8.19
81)	T	trans-1,4-Dich...	0.298	0.374	0.443	0.423	0.471	0.402		16.90
82)	T	4-Chlorotoluene	2.660	3.005	3.187	3.329	3.025	3.180	3.064	7.54
83)	T	tert-Butylbenzene	2.581	3.097	3.266	3.440	3.152	3.269	3.134	9.42
84)	T	1,2,4-Trimethy...	2.557	3.173	3.366	3.440	3.124	3.228	3.148	9.95
85)	T	sec-Butylbenzene	3.116	3.921	3.968	4.249	3.812	3.974	3.840	9.97
86)	T	p-Isopropyltol...	2.255	3.043	3.316	3.521	3.219	3.362	3.119	14.50
87)	T	1,3-Dichlorobe...	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.88
88)	T	1,4-Dichlorobe...	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.10
89)	T	n-Butylbenzene	1.897	2.580	2.805	3.184	2.909	3.126	2.750	17.18
90)	T	Hexachloroethane	0.450	0.443	0.496	0.588	0.581	0.625	0.530	14.64
91)	T	1,2-Dichlorobe...	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.79
92)	T	1,2-Dibromo-3-...	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12.00
93)	T	1,2,4-Trichlor...	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.53
94)	T	Hexachlorobuta...	0.382	0.384	0.376	0.411	0.384	0.419	0.393	4.54
95)	T	Naphthalene	2.605	3.361	3.698	4.005	3.733	4.058	3.576	15.03
96)	T	1,2,3-Trichlor...	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.83

(#)= Out of Range

Response Ratio

Bromoform



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	148984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92854	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	1.167	85	1889	1.001	ug/l	88
3) Chloromethane	1.295	50	1723	0.868	ug/l	90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l #	81
6) Chloroethane	1.666	64	1724	1.339	ug/l #	82
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l	92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l	94
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l #	62
14) Allyl chloride	2.654	41	2371	0.845	ug/l	87
15) Acrylonitrile	3.063	53	4483	4.485	ug/l	95
16) Acetone	2.386	43	5977	5.093	ug/l #	86
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l	99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l	94
20) Methylene Chloride	2.782	84	2099	1.054	ug/l #	73
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l	97
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l #	30
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l	98
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l #	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l	92
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l	86
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l	89
28) Bromochloromethane	4.904	49	1494m	0.981	ug/l	
29) Tetrahydrofuran	5.013	42	4264	4.593	ug/l	95
30) Chloroform	5.093	83	3187	0.856	ug/l #	76
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l #	46
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l #	80
37) Ethyl Acetate	4.733	43	2692m	0.935	ug/l	
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l #	78
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l	90
40) Benzene	6.032	78	6312	0.873	ug/l #	84
41) Methacrylonitrile	4.934	41	1141m	0.774	ug/l	
42) 1,2-Dichloroethane	6.086	62	2602	0.896	ug/l	84
43) Isopropyl Acetate	6.355	43	3881	0.847	ug/l #	90
44) Trichloroethene	7.123	130	2850	1.393	ug/l	82
45) 1,2-Dichloropropane	7.428	63	1503	0.849	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043925.D
 Acq On : 21 Nov 2024 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 22 03:27:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.580	93	1246	0.890	ug/l	94
47) Bromodichloromethane	7.824	83	1819	0.724	ug/l #	93
48) Methyl methacrylate	7.702	41	2017m	0.917	ug/l	
49) 1,4-Dioxane	7.671	88	613	16.166	ug/l #	50
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073	ug/l	96
52) Toluene	8.714	92	3313	0.766	ug/l	82
53) t-1,3-Dichloropropene	8.988	75	1776	0.694	ug/l #	86
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838	ug/l #	85
56) Ethyl methacrylate	9.122	69	1973	0.709	ug/l #	82
57) 1,3-Dichloropropane	9.305	76	2502	0.832	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	4135	2.662	ug/l	93
59) 2-Hexanone	9.439	43	7726	3.675	ug/l	99
60) Dibromochloromethane	9.519	129	1296	0.723	ug/l	93
61) 1,2-Dibromoethane	9.610	107	1342	0.743	ug/l #	80
64) Tetrachloroethene	9.269	164	1329	0.924	ug/l	88
65) Chlorobenzene	10.073	112	4585	0.957	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731	ug/l #	66
67) Ethyl Benzene	10.195	91	6890	0.848	ug/l #	86
68) m/p-Xylenes	10.305	106	5324	1.758	ug/l	95
69) o-Xylene	10.640	106	2370	0.801	ug/l	95
70) Styrene	10.665	104	3751	0.767	ug/l	97
71) Bromoform	10.799	173	632	1.756	ug/l #	87
73) Isopropylbenzene	10.964	105	6379	0.894	ug/l	94
74) N-amyl acetate	10.848	43	2319	0.701	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910	ug/l	83
76) 1,2,3-Trichloropropane	11.244	75	1603m	0.801	ug/l	
77) Bromobenzene	11.201	156	1475	0.866	ug/l	94
78) n-propylbenzene	11.305	91	6810	0.854	ug/l	95
79) 2-Chlorotoluene	11.366	91	4618	0.916	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	5022	0.855	ug/l	96
82) 4-Chlorotoluene	11.457	91	4940	0.868	ug/l	94
83) tert-Butylbenzene	11.713	119	4794	0.824	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4748	0.812	ug/l	99
85) sec-Butylbenzene	11.890	105	5787	0.812	ug/l	94
86) p-Isopropyltoluene	12.012	119	4187	0.723	ug/l	87
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946	ug/l	93
88) 1,4-Dichlorobenzene	12.043	146	3212m	1.020	ug/l	
89) n-Butylbenzene	12.335	91	3522	0.690	ug/l	93
90) Hexachloroethane	12.536	117	835	0.848	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	2796	0.893	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.957	75	395	0.807	ug/l	65
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854	ug/l	78
94) Hexachlorobutadiene	13.725	225	709	0.972	ug/l	89
95) Naphthalene	13.780	128	4837	0.728	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749	ug/l	81

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

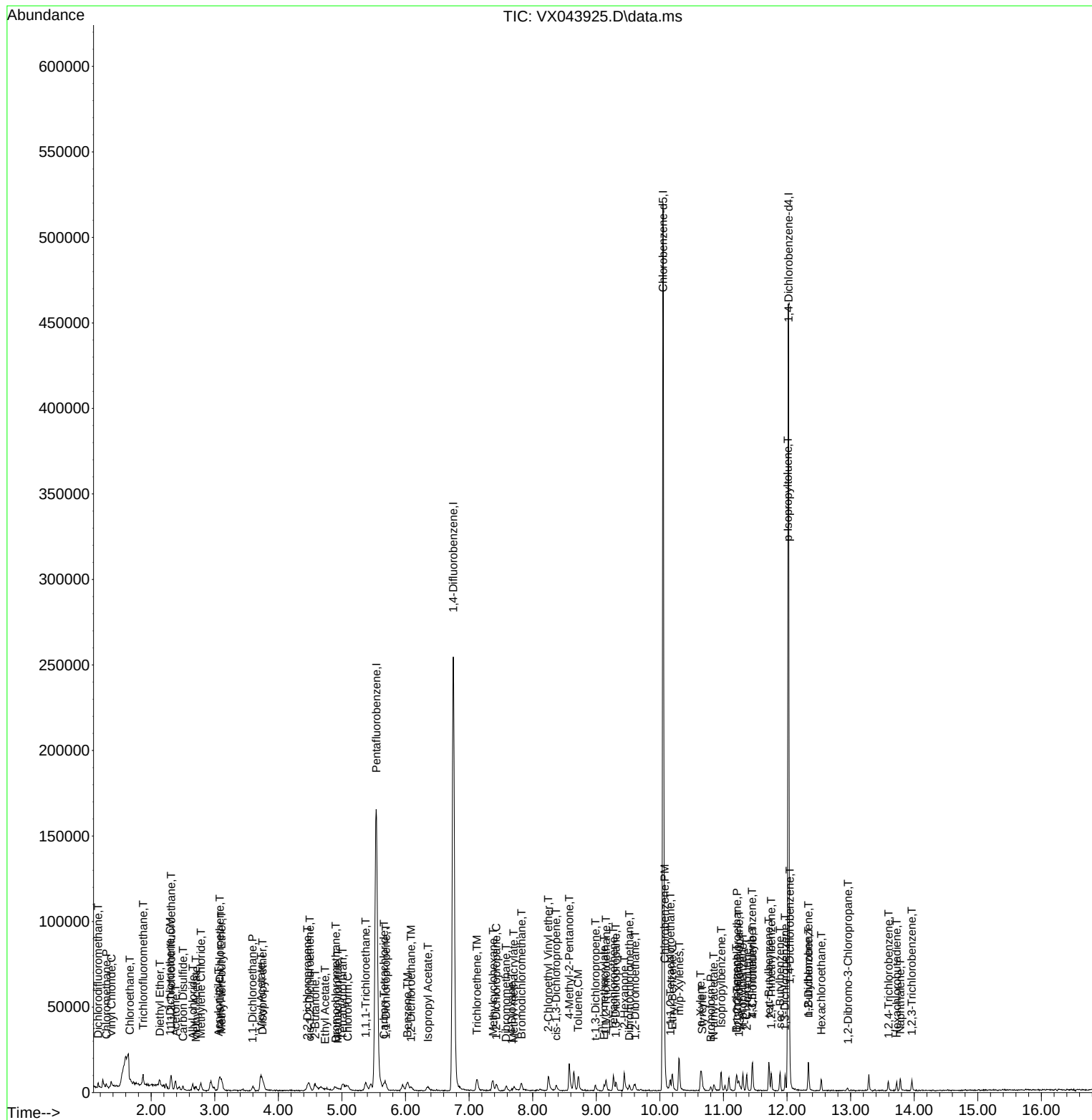
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Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

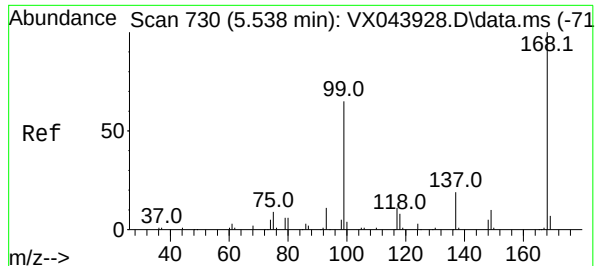
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024





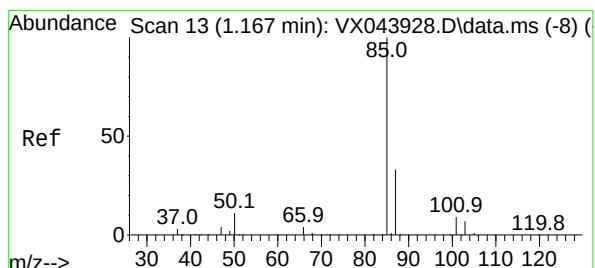
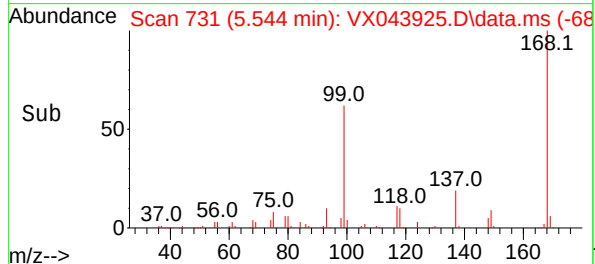
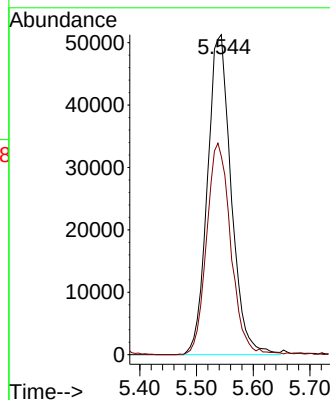
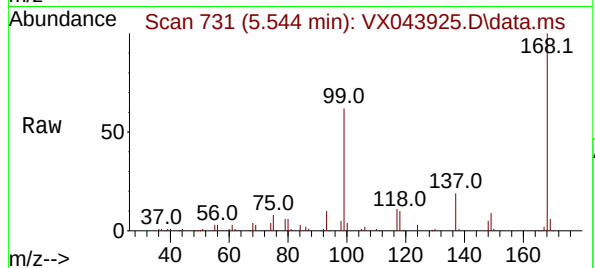
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 14898
Ion Ratio Lower Upper
168 100
99 61.8 51.8 77.8

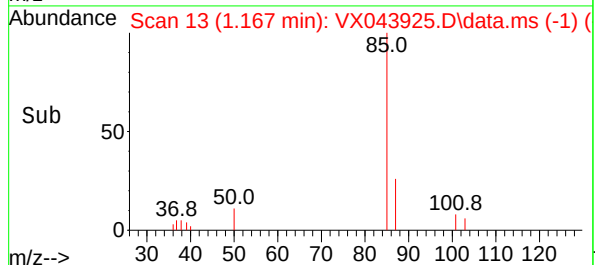
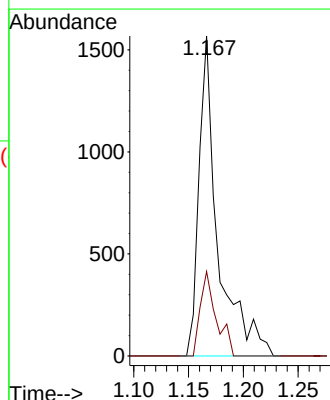
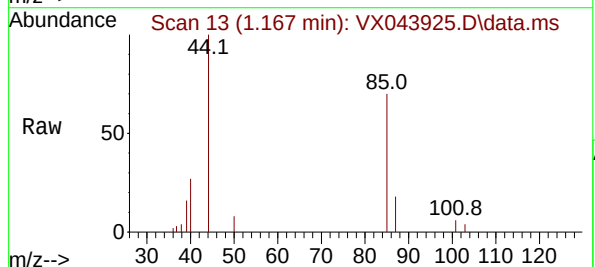
Manual Integrations
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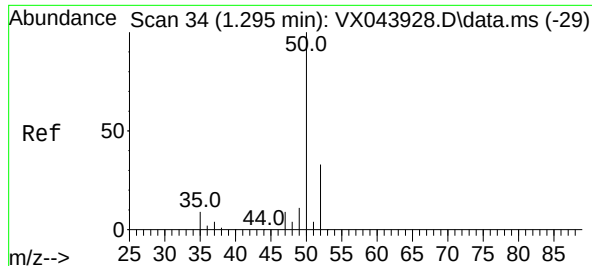
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889
Ion Ratio Lower Upper
85 100
87 26.4 16.6 49.8





#3

Chloromethane

Concen: 0.868 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 1723

Ion Ratio Lower Upper

50 100

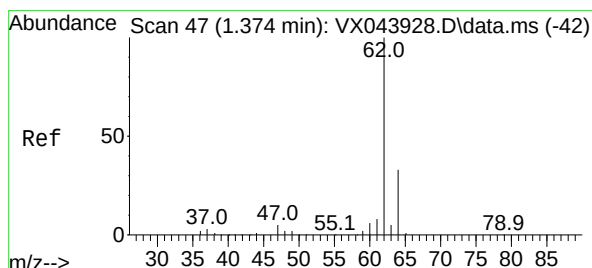
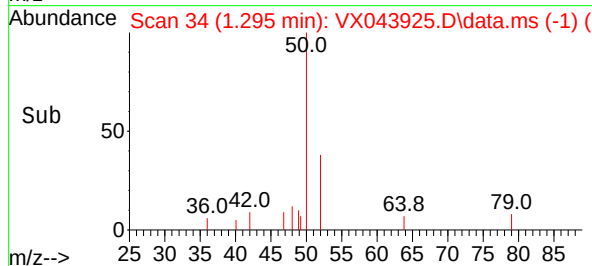
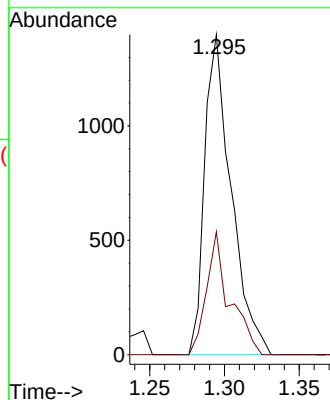
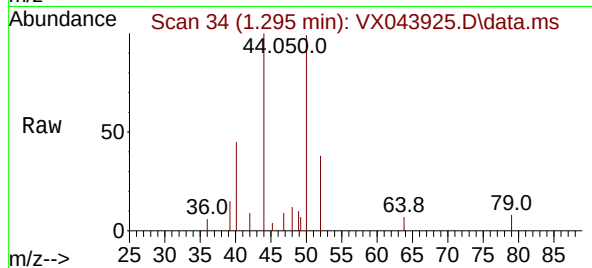
52 38.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 0.951 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043925.D

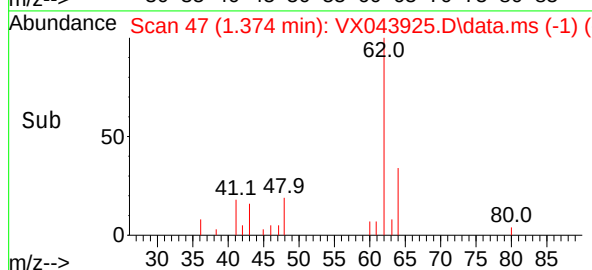
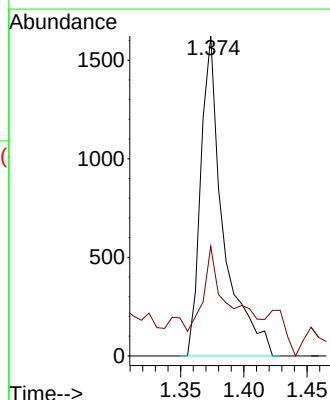
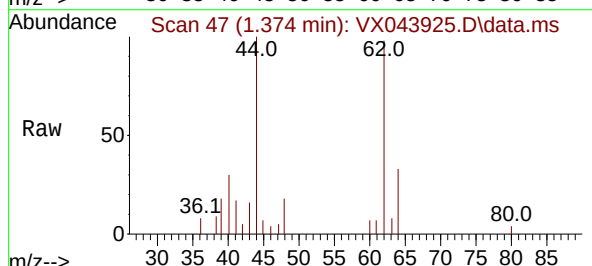
Acq: 21 Nov 2024 09:47

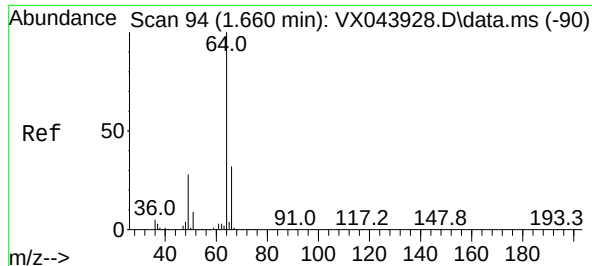
Tgt Ion: 62 Resp: 2010

Ion Ratio Lower Upper

62 100

64 22.4 26.2 39.4#





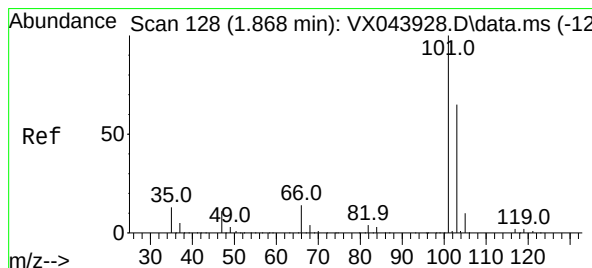
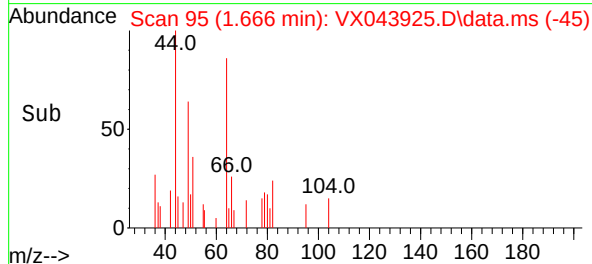
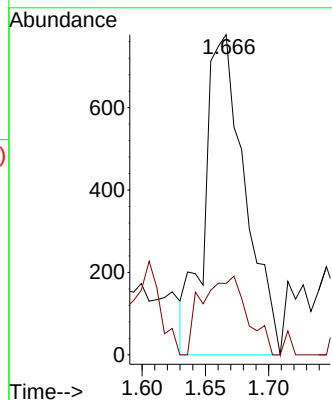
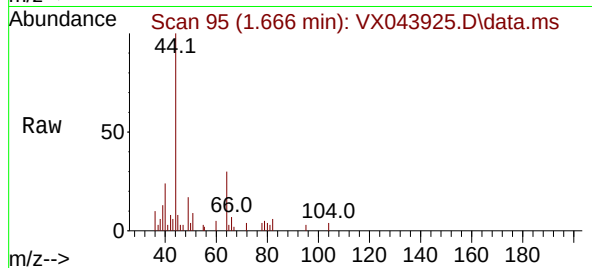
#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 94
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 1724
Ion Ratio Lower Upper
64 100
66 22.3 25.9 38.9

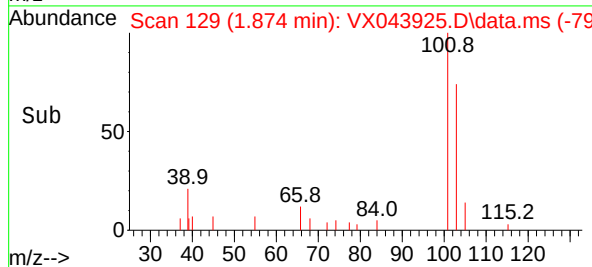
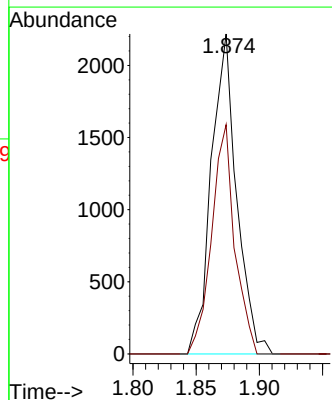
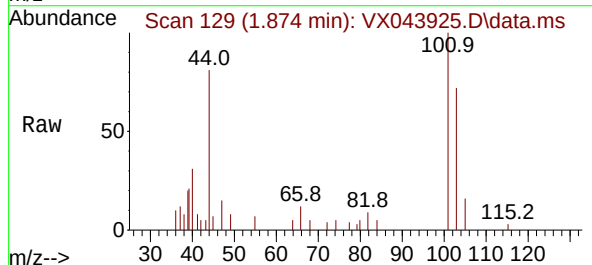
Manual Integrations
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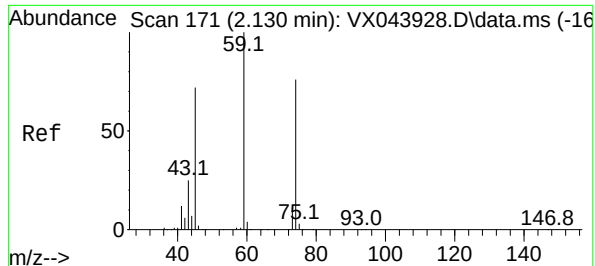
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 3093
Ion Ratio Lower Upper
101 100
103 71.6 52.2 78.2





#8

Diethyl Ether

Concen: 1.032 ug/l

RT: 2.136 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 74 Resp: 142

Ion Ratio Lower Upper

74 100

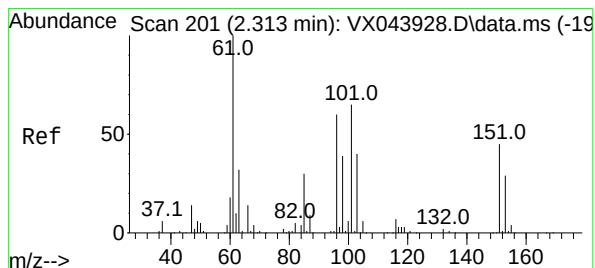
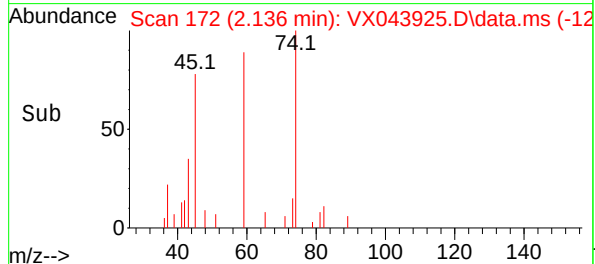
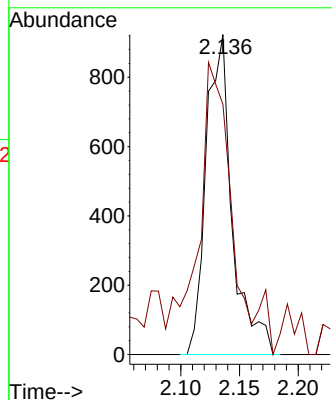
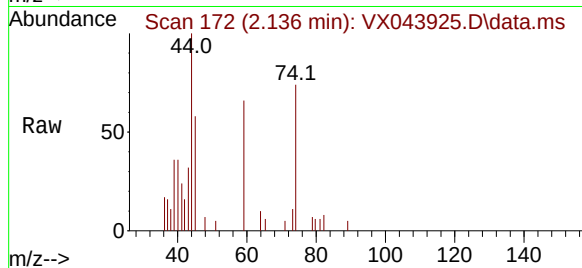
45 120.1 47.9 143.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.979 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

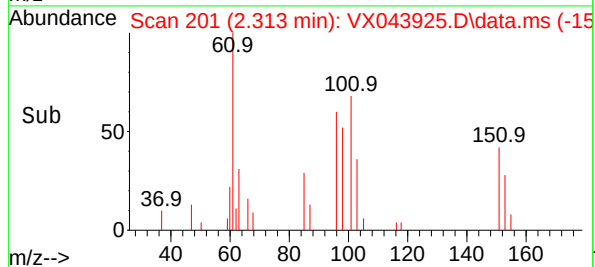
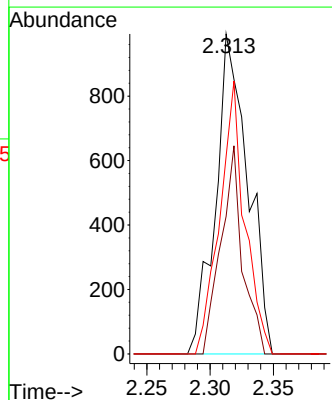
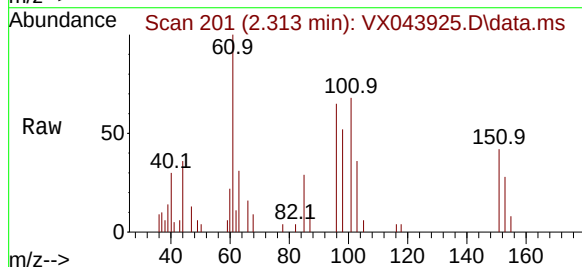
Tgt Ion:101 Resp: 1764

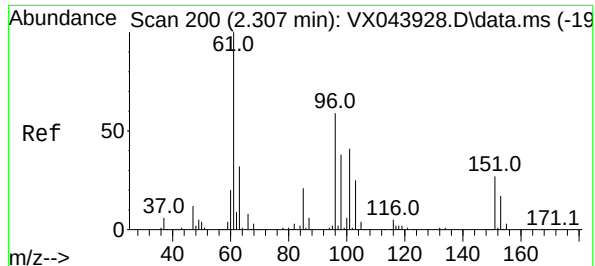
Ion Ratio Lower Upper

101 100

85 43.5 37.9 56.9

151 66.1 57.5 86.3





#12

1,1-Dichloroethene

Concen: 1.034 ug/l

RT: 2.300 min Scan# 199

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1774

Ion Ratio Lower Upper

96 100

61 115.9 135.5 203.3

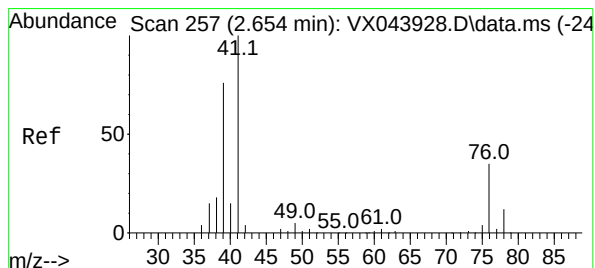
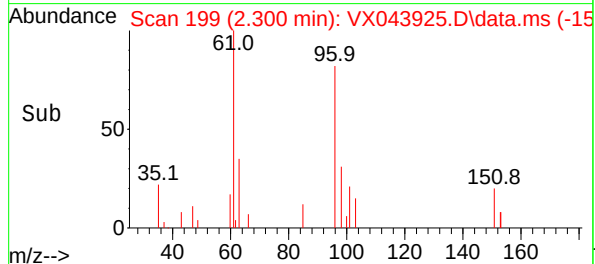
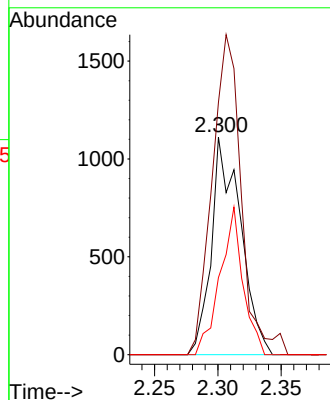
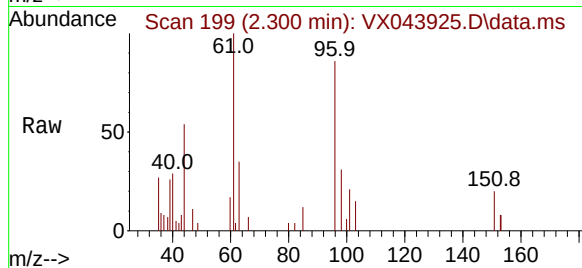
98 35.4 50.8 76.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 0.845 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

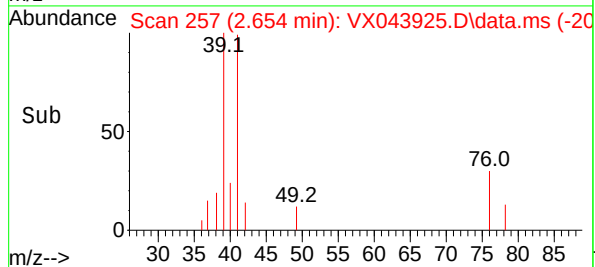
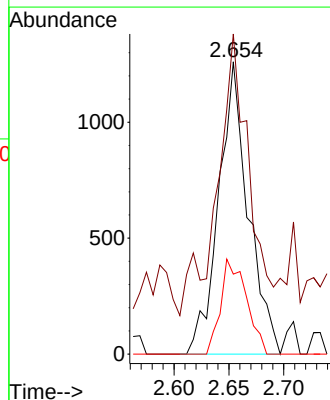
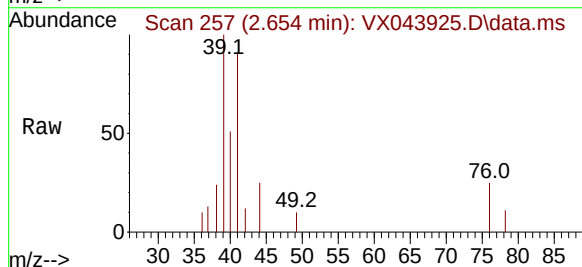
Tgt Ion: 41 Resp: 2371

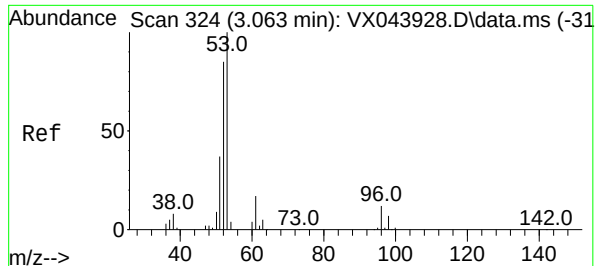
Ion Ratio Lower Upper

41 100

39 85.9 59.5 89.3

76 28.3 27.4 41.2





#15

Acrylonitrile

Concen: 4.485 ug/l

RT: 3.063 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

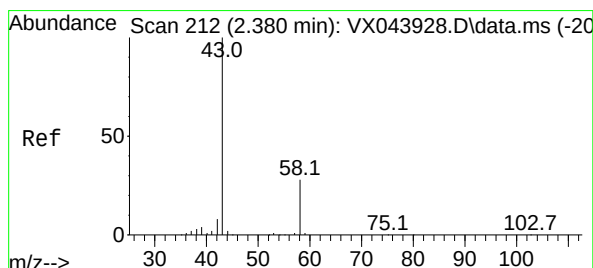
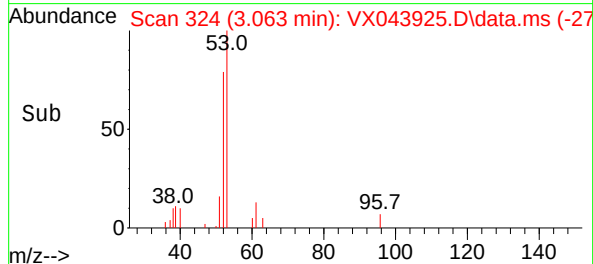
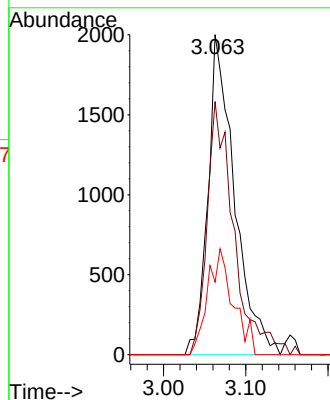
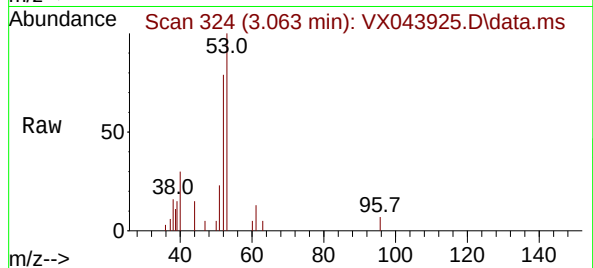
VSTDICC001

Tgt Ion:	53	Resp:	4483
Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.5	99.7
51	31.9	30.2	45.4

Manual Integrations
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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 5.093 ug/l

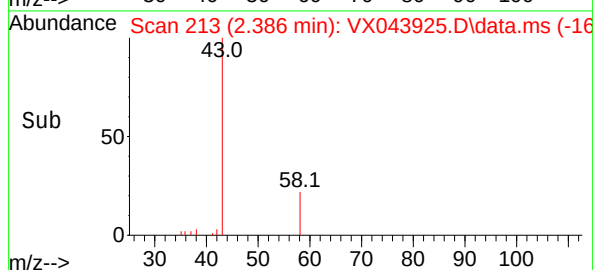
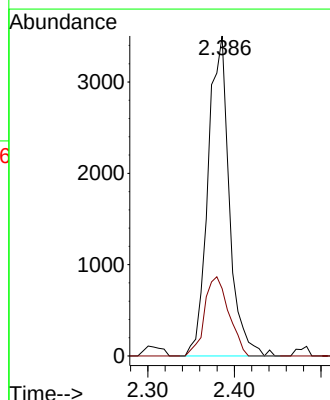
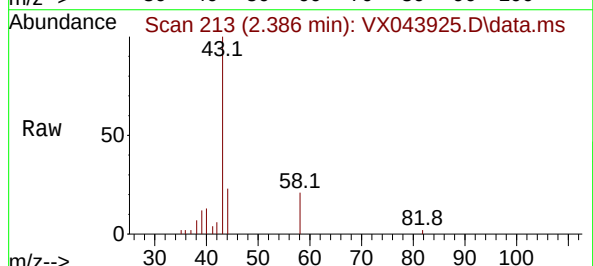
RT: 2.386 min Scan# 213

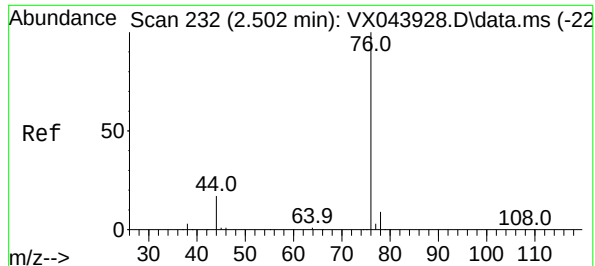
Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:	43	Resp:	5977
Ion	Ratio	Lower	Upper
43	100		
58	21.1	22.7	34.1#





#17

Carbon Disulfide

Concen: 0.910 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 322

Ion Ratio Lower Upper

76 100

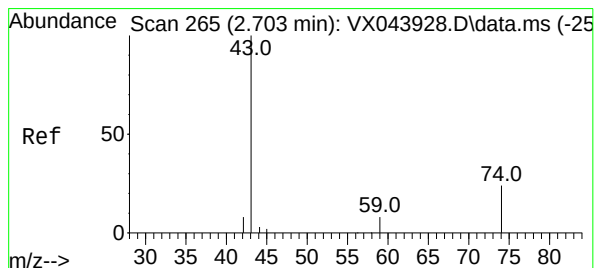
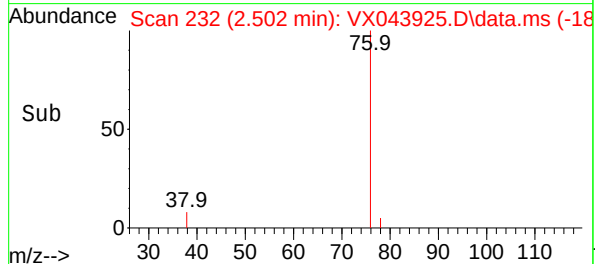
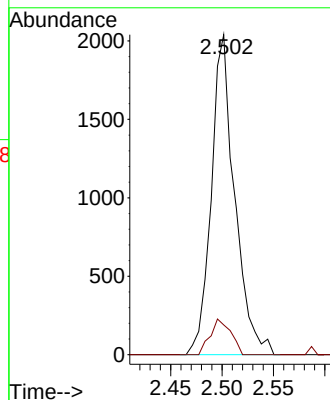
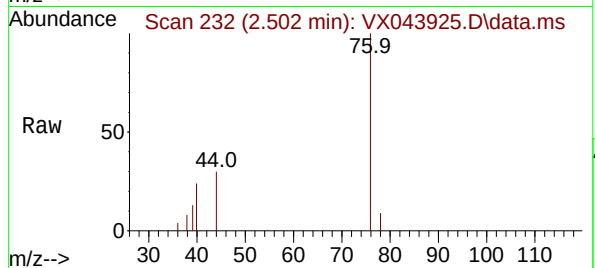
78 9.3 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 1.015 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043925.D

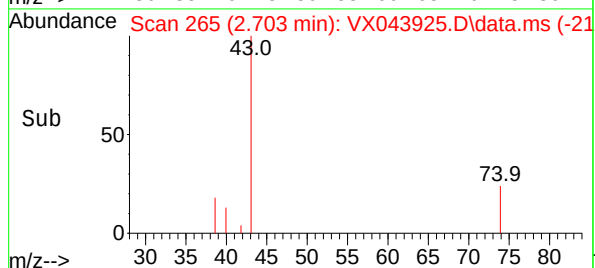
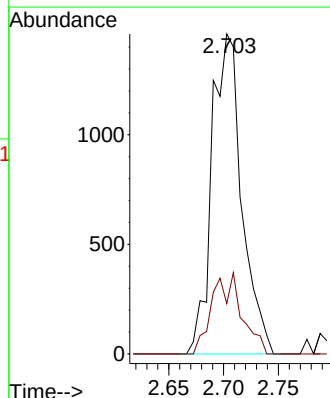
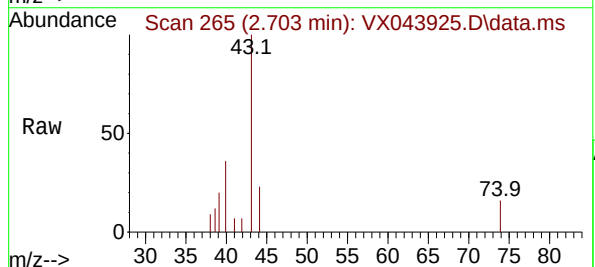
Acq: 21 Nov 2024 09:47

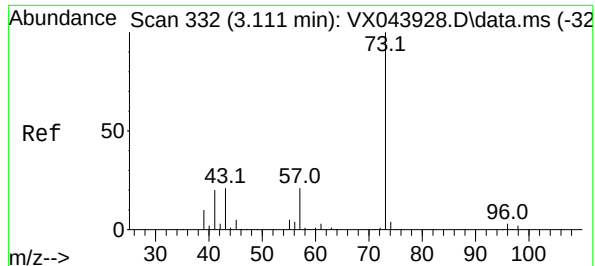
Tgt Ion: 43 Resp: 2775

Ion Ratio Lower Upper

43 100

74 24.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 0.828 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 73 Resp: 516

Ion Ratio Lower Upper

73 100

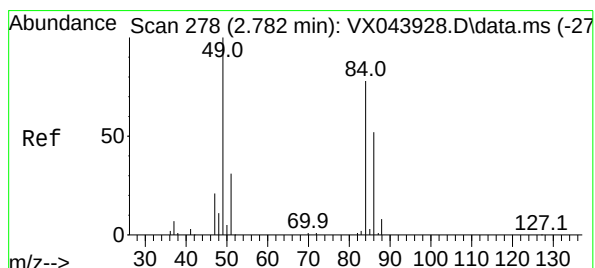
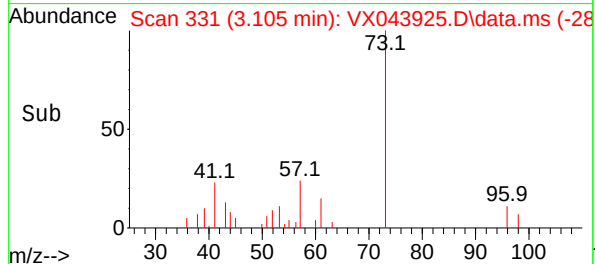
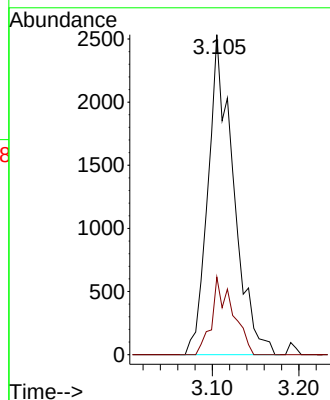
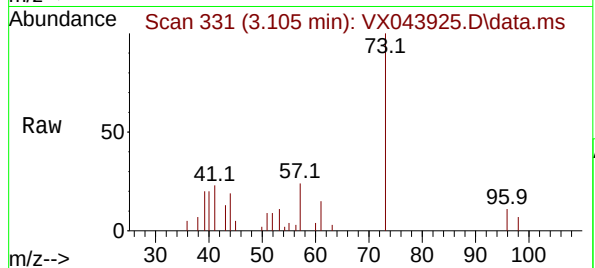
57 24.3 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 1.054 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

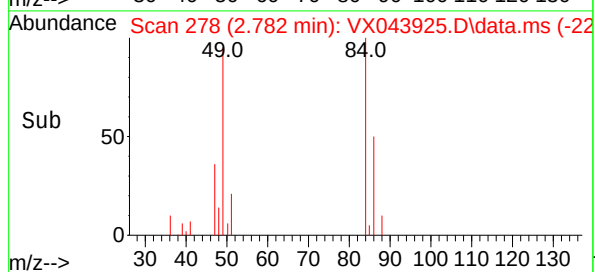
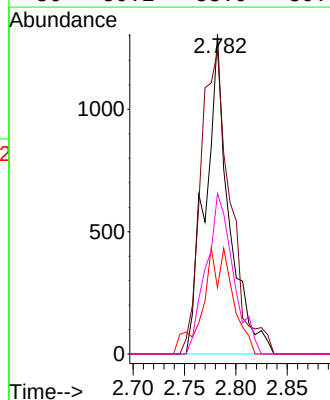
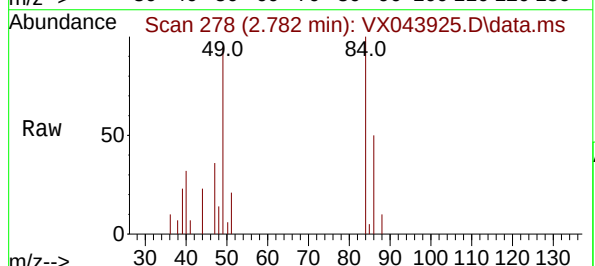
Ion Ratio Lower Upper

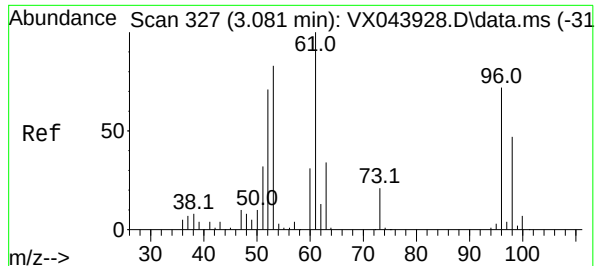
84 100

49 94.8 102.7 154.1#

51 20.7 31.7 47.5#

86 50.2 53.9 80.9#





#21

trans-1,2-Dichloroethene

Concen: 0.916 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1624

Ion Ratio Lower Upper

96 100

61 140.6 111.8 167.6

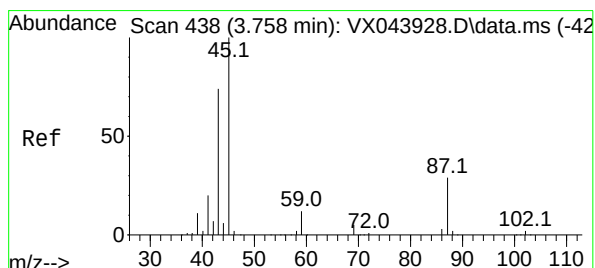
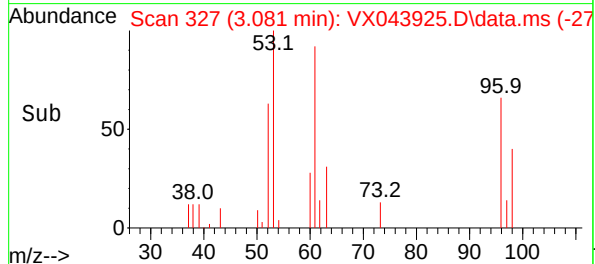
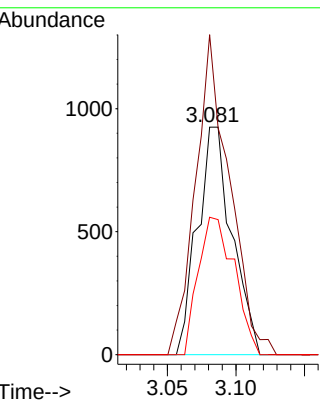
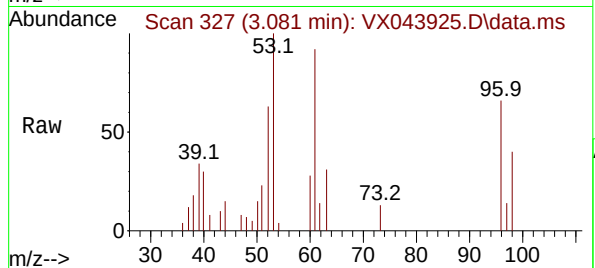
98 60.4 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 0.814 ug/l

RT: 3.751 min Scan# 437

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

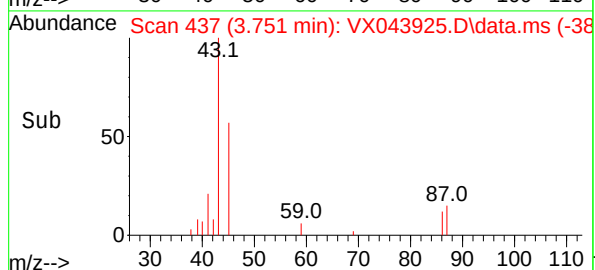
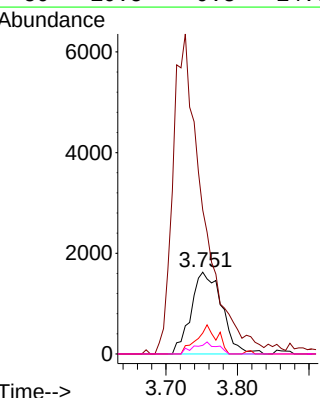
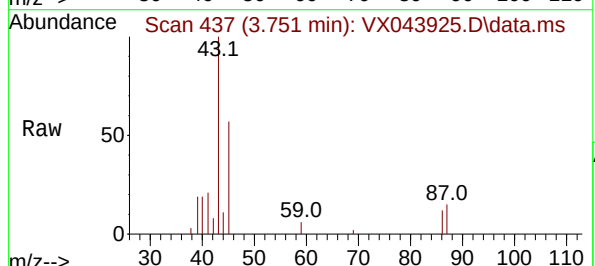
Ion Ratio Lower Upper

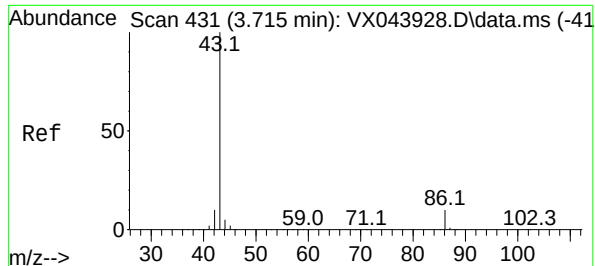
45 100

43 164.2 59.6 89.4#

87 25.6 22.9 34.3

59 10.5 9.8 14.6





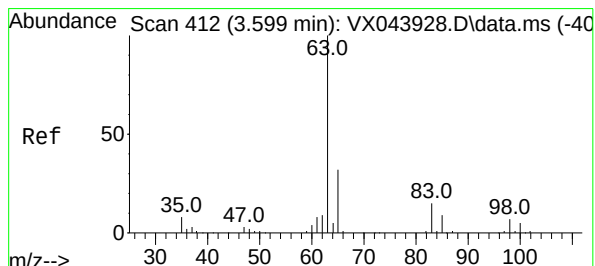
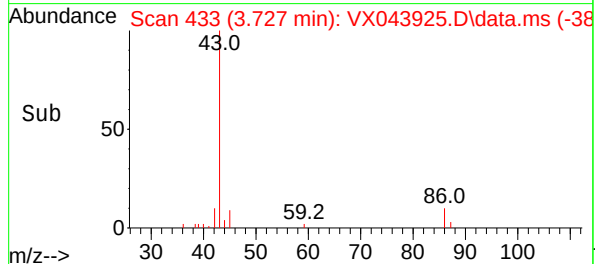
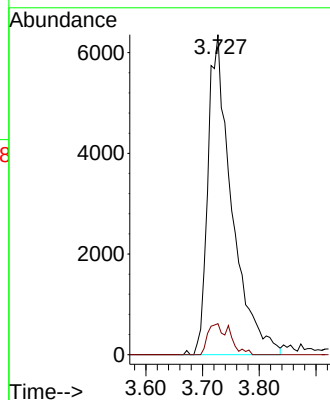
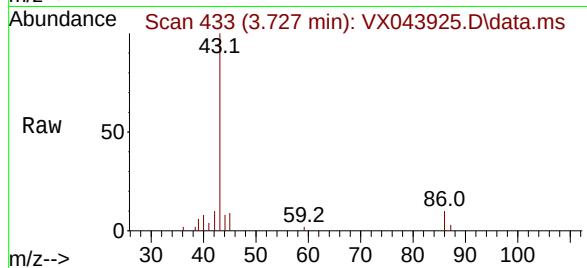
#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 411
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1854
Ion Ratio Lower Upper
43 100
86 9.7 8.3 12.5

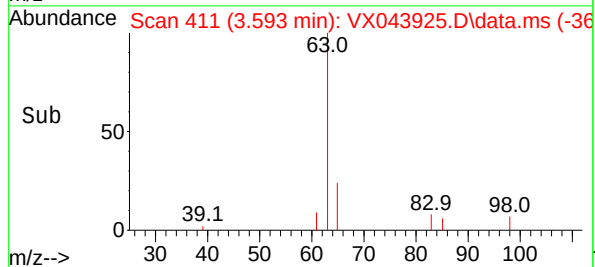
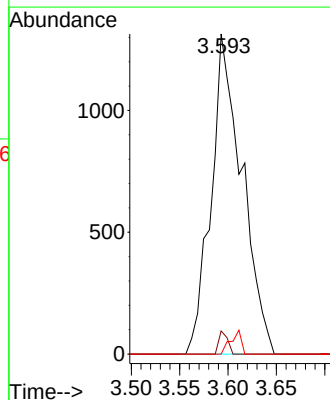
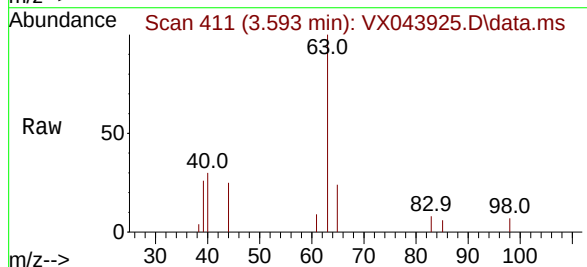
Manual Integrations
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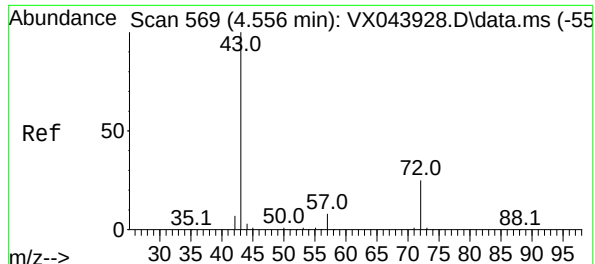
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919
Ion Ratio Lower Upper
63 100
98 7.2 3.5 10.6
100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 4.408 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

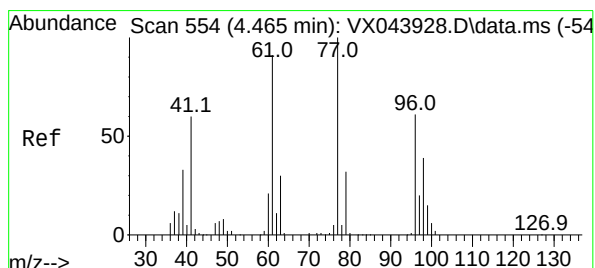
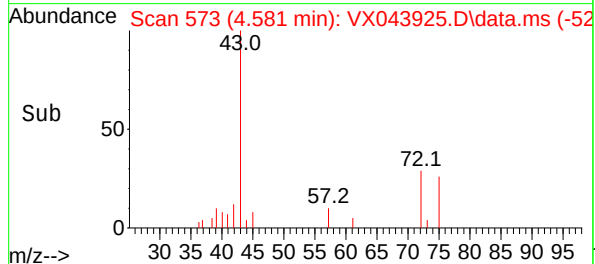
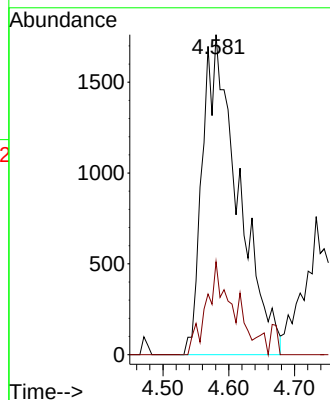
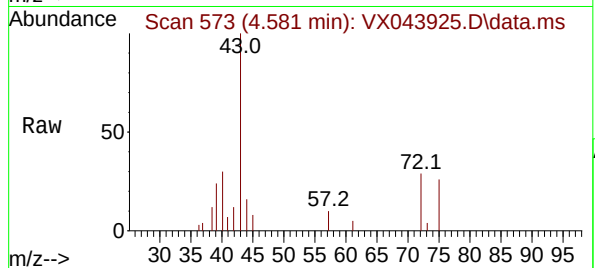
72 29.1 20.2 30.2

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 0.860 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX043925.D

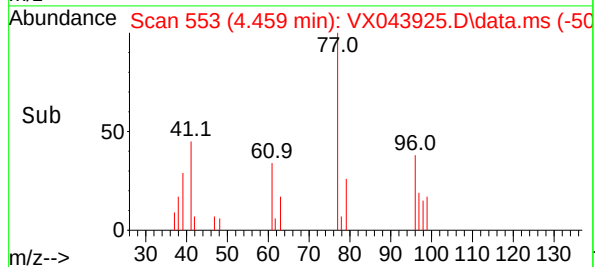
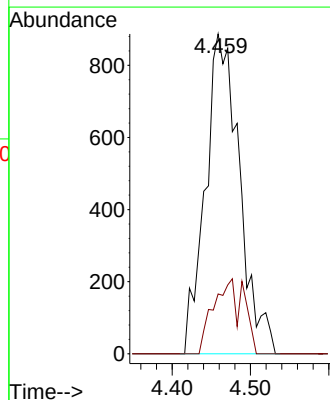
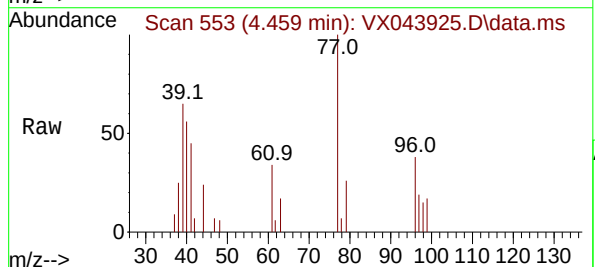
Acq: 21 Nov 2024 09:47

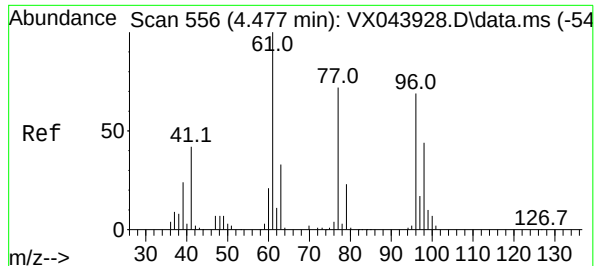
Tgt Ion: 77 Resp: 2687

Ion Ratio Lower Upper

77 100

97 15.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 0.916 ug/l

RT: 4.495 min Scan# 556

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

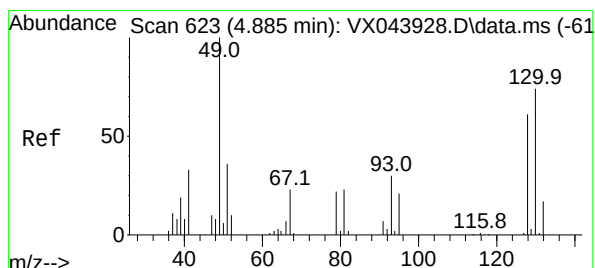
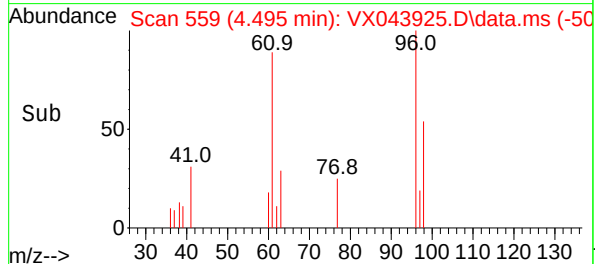
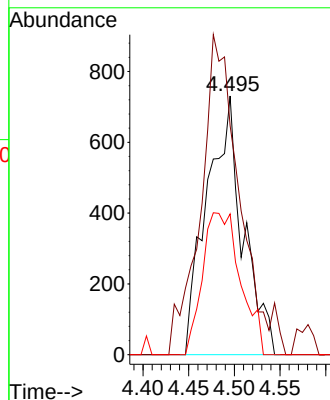
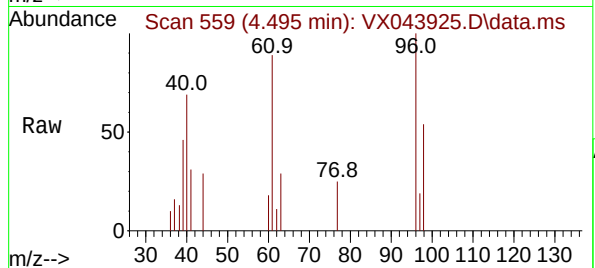
Tgt Ion: 96	Resp: 200
Ion Ratio	Lower Upper
96	100
61	133.7 0.0 297.4
98	57.8 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 0.981 ug/l m

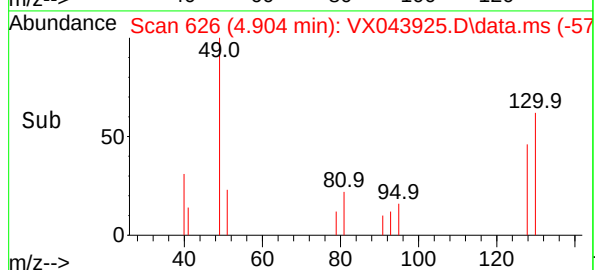
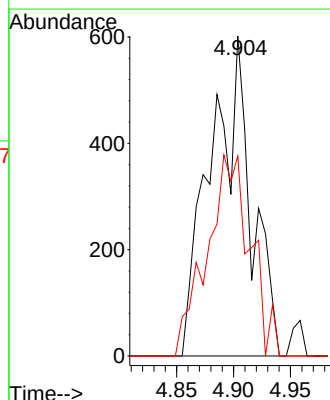
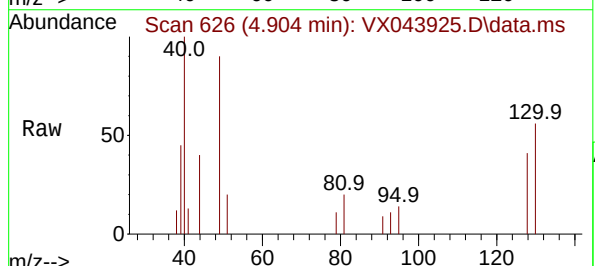
RT: 4.904 min Scan# 626

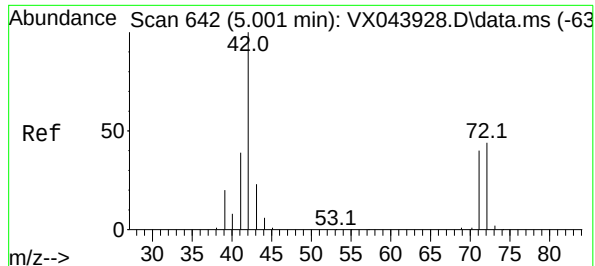
Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 49	Resp: 1494
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.0
130	66.9 59.0 88.6





#29

Tetrahydrofuran

Concen: 4.593 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

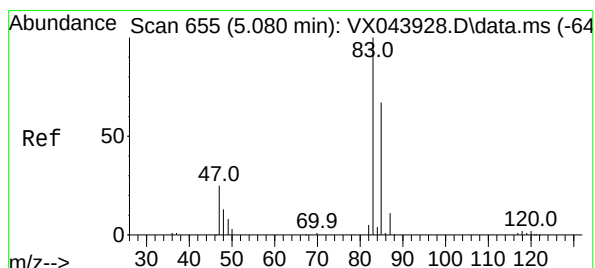
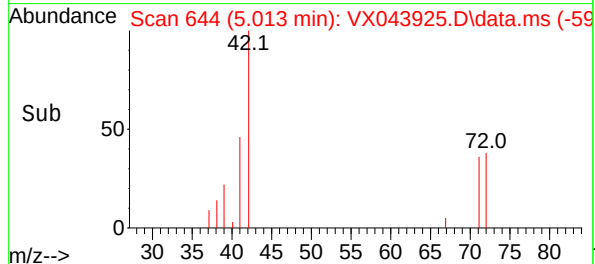
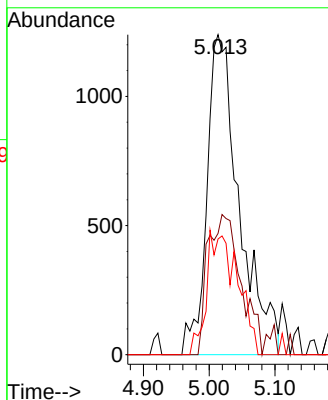
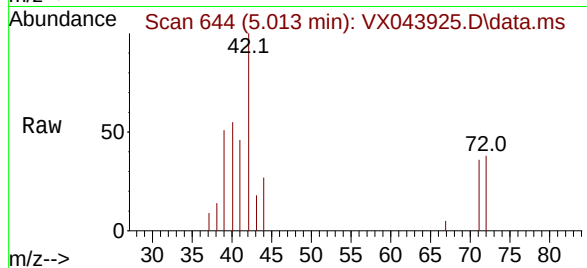
VSTDIC001

Tgt Ion:	42	Resp:	426
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.4	54.6
71	36.6	33.4	50.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 0.856 ug/l

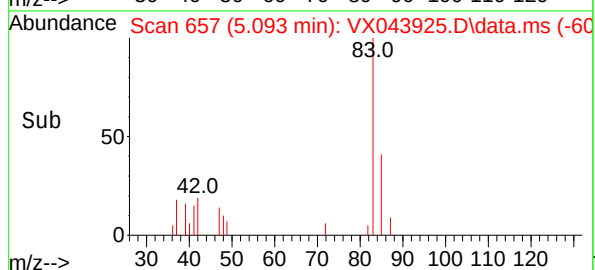
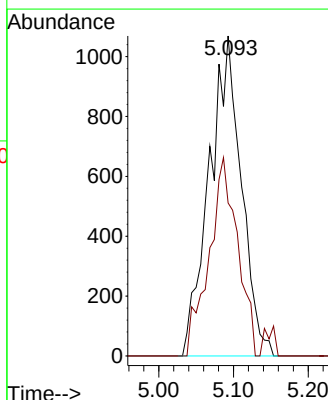
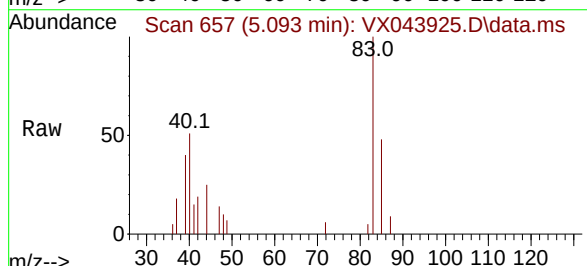
RT: 5.093 min Scan# 657

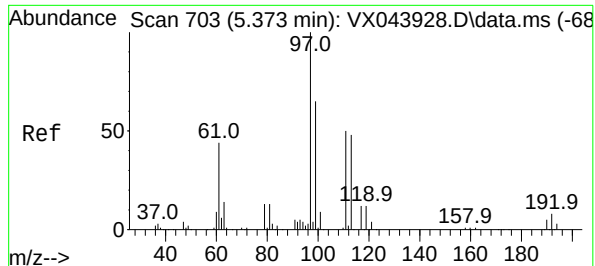
Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:	83	Resp:	3187
Ion	Ratio	Lower	Upper
83	100		
85	47.8	53.5	80.3#





#32

1,1,1-Trichloroethane

Concen: 0.810 ug/l

RT: 5.373 min Scan# 70

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 2600

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2

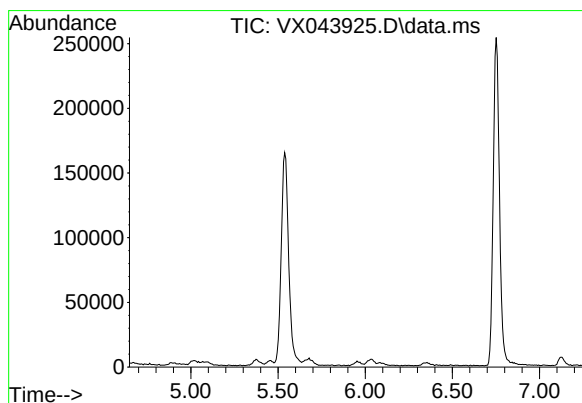
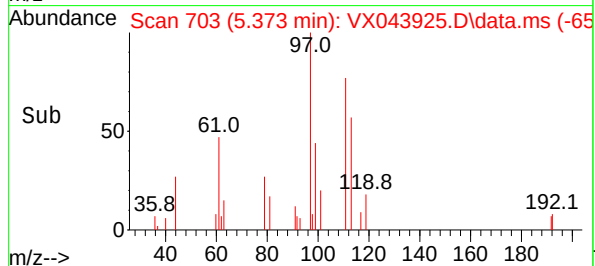
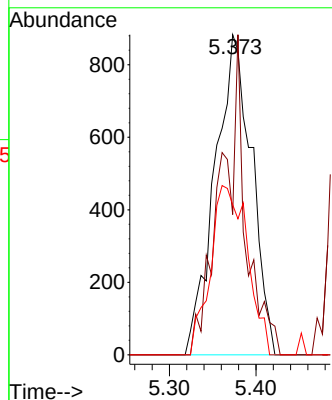
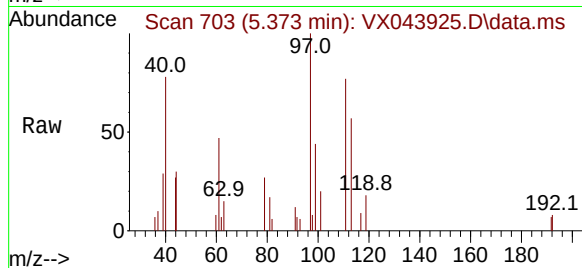
61 53.3 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX043925.D

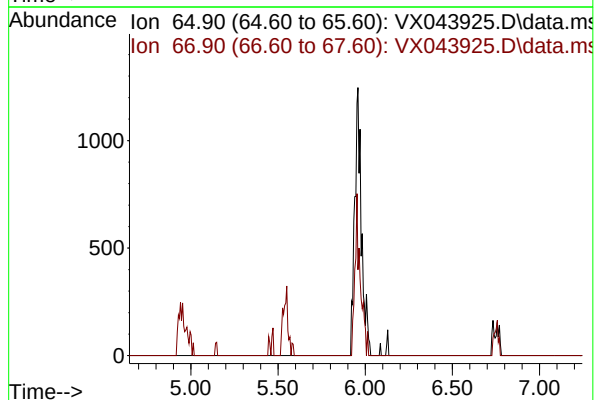
Acq: 21 Nov 2024 09:47

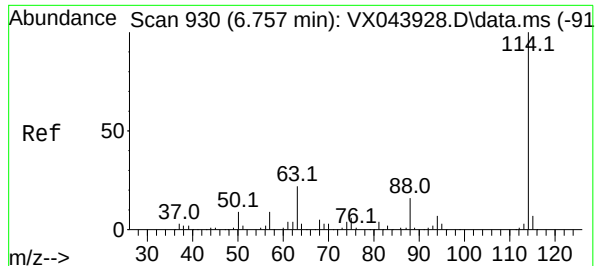
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 26056

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

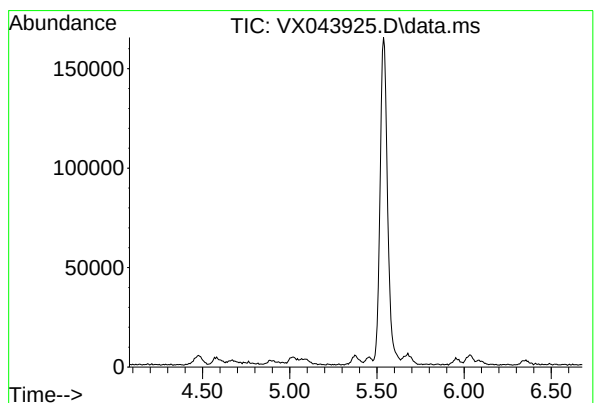
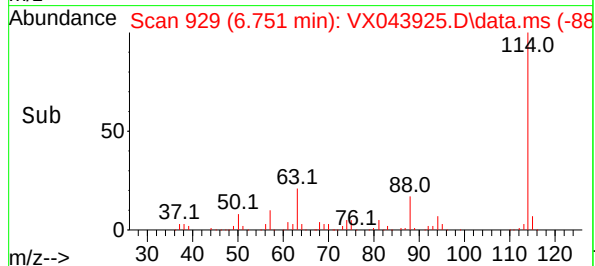
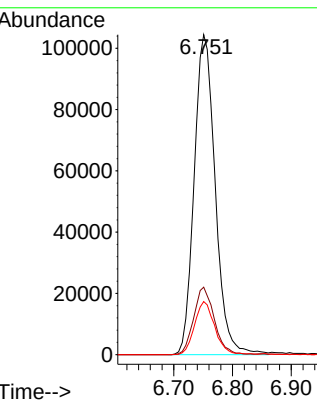
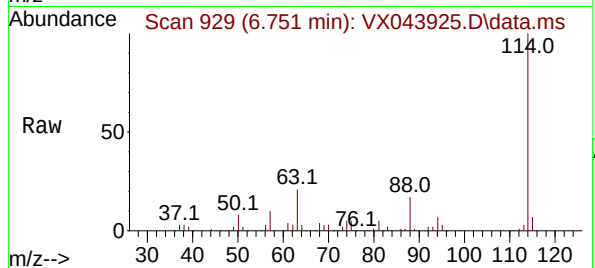
88 16.6 0.0 32.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.38 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

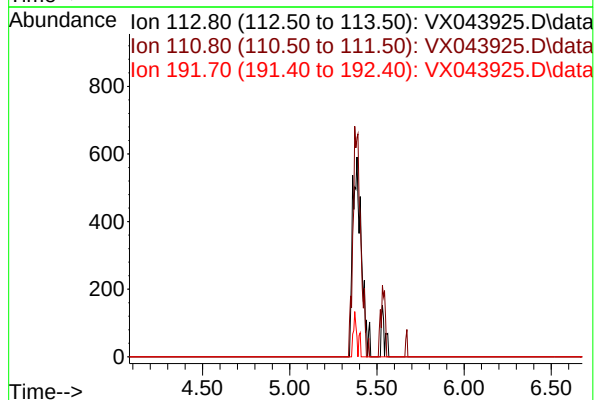
Tgt Ion: 113

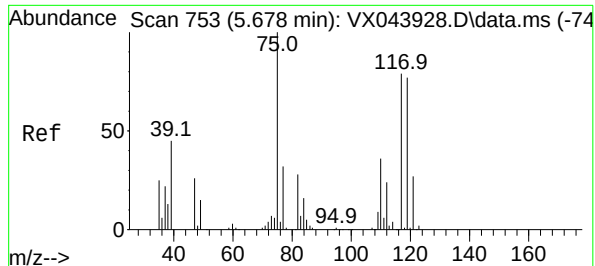
Sig Exp Ratio

113 100

111 101.2

192 16.3





#36

1,1-Dichloropropene

Concen: 0.859 ug/l

RT: 5.690 min Scan# 753

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

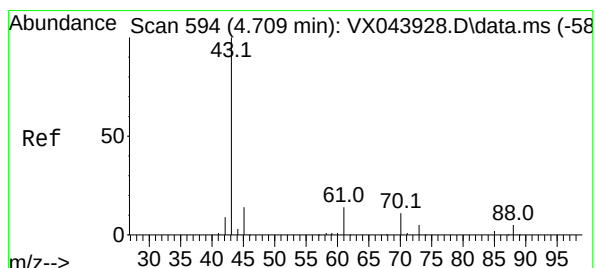
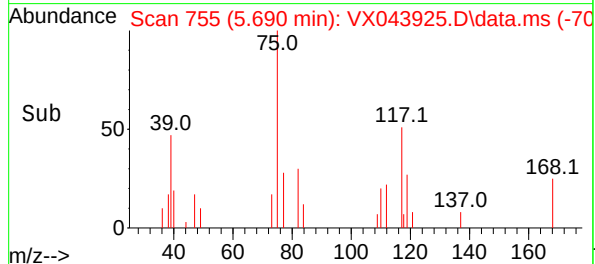
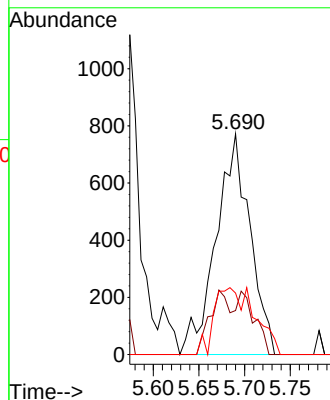
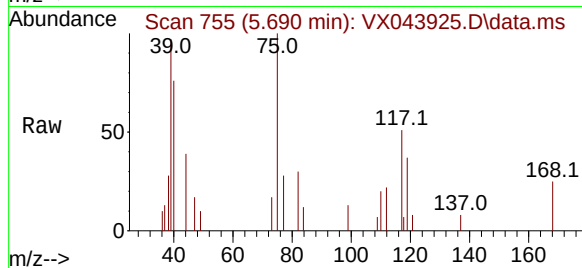
Tgt Ion:	75	Resp:	199
Ion	Ratio	Lower	Upper
75	100		
110	16.7	17.4	52.2
77	36.6	25.8	38.8

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#37

Ethyl Acetate

Concen: 0.935 ug/l m

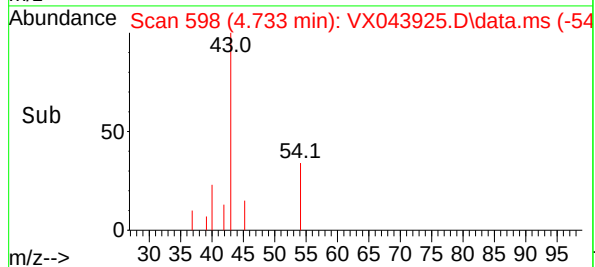
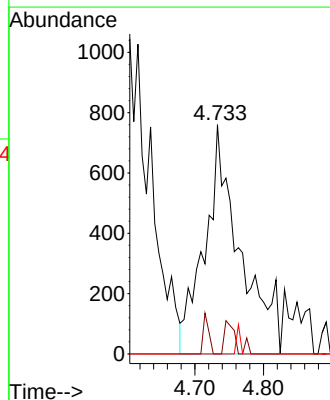
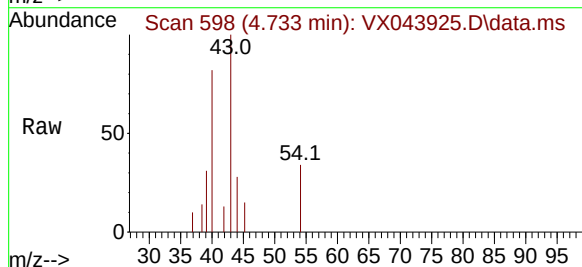
RT: 4.733 min Scan# 598

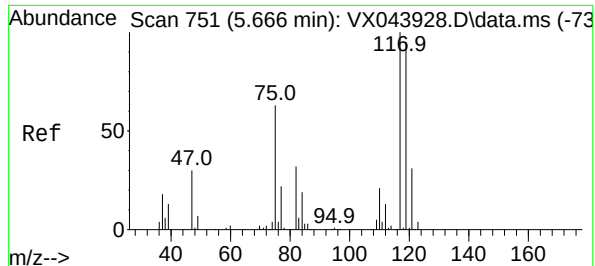
Delta R.T. 0.024 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:	43	Resp:	2692
Ion	Ratio	Lower	Upper
43	100		
61	3.8	10.7	16.1
70	0.0	8.0	12.0





#38

Carbon Tetrachloride

Concen: 0.877 ug/l

RT: 5.660 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 228

Ion Ratio Lower Upper

117 100

119 72.4 75.2 112.8

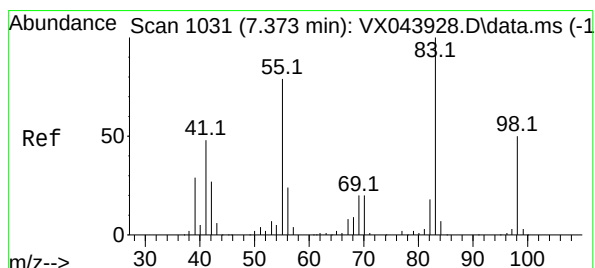
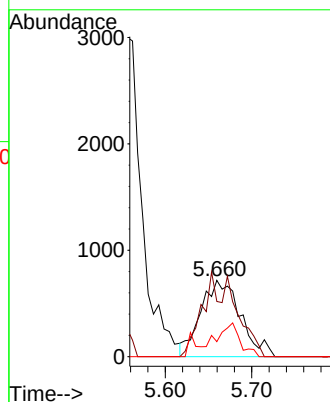
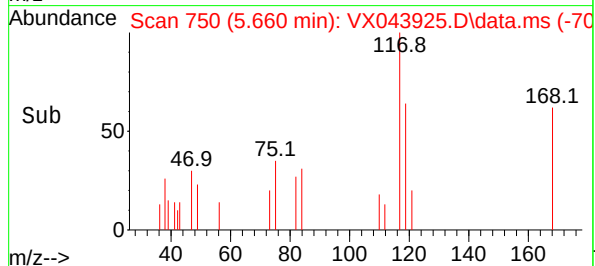
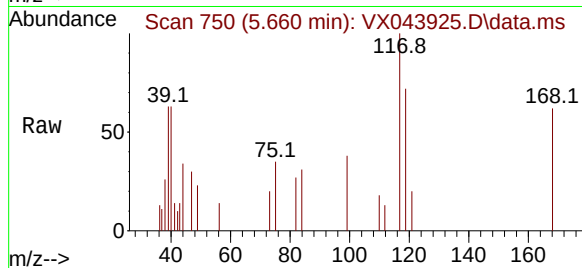
121 19.7 24.5 36.7

Manual Integrations

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#39

Methylcyclohexane

Concen: 0.941 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

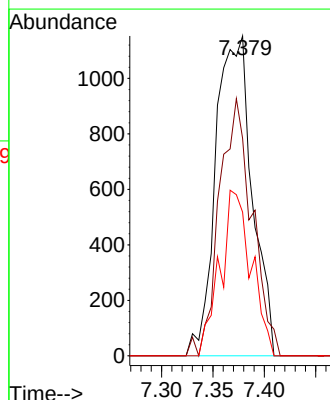
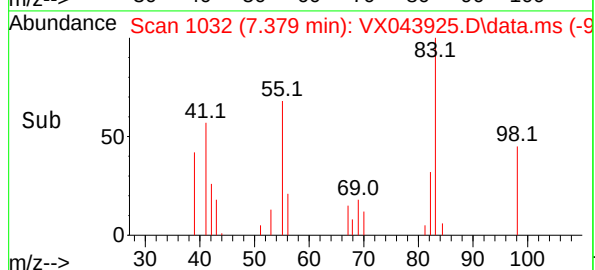
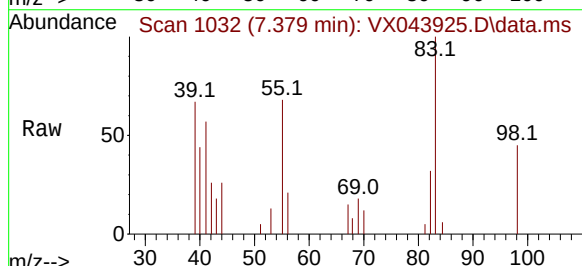
Tgt Ion: 83 Resp: 2835

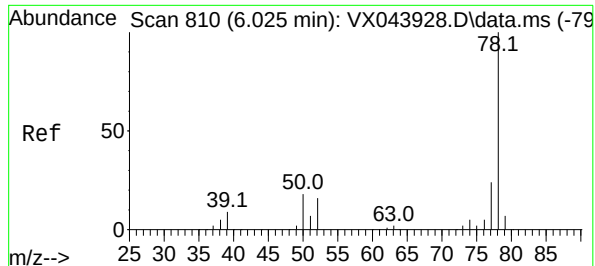
Ion Ratio Lower Upper

83 100

55 68.0 63.1 94.7

98 44.9 40.0 60.0





#40

Benzene

Concen: 0.873 ug/l

RT: 6.032 min Scan# 810

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 631

Ion Ratio Lower Upper

78 100

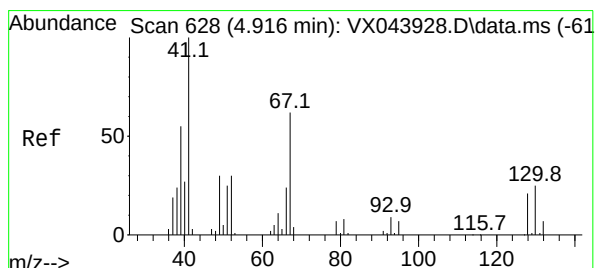
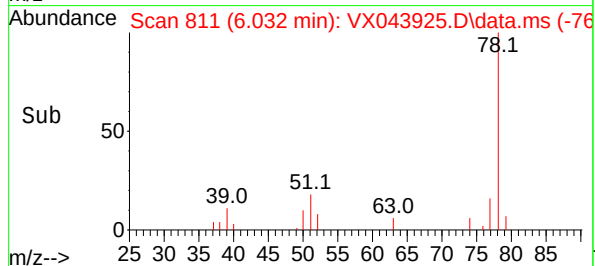
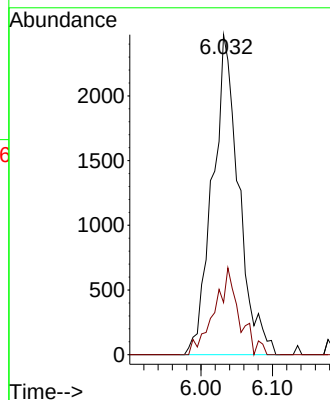
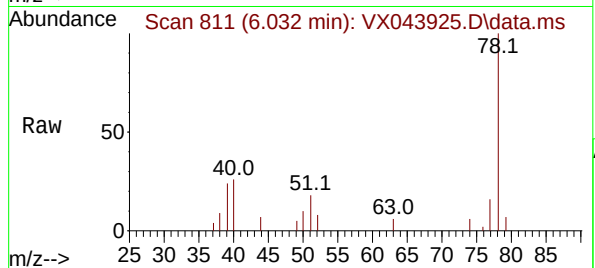
77 16.3 19.2 28.8

Manual Integrations

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Supervised By :Mahesh Dadoda 11/22/2024



#41

Methacrylonitrile

Concen: 0.774 ug/l m

RT: 4.934 min Scan# 631

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1141

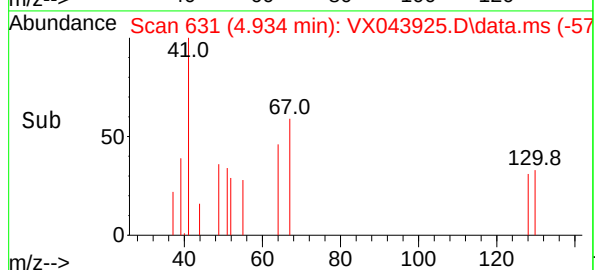
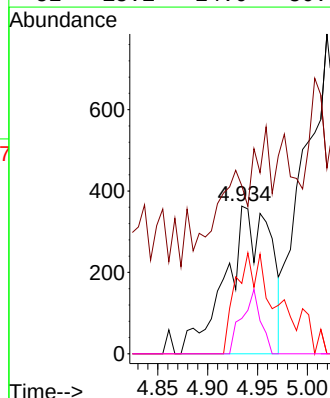
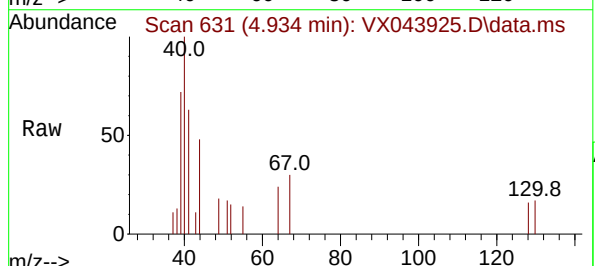
Ion Ratio Lower Upper

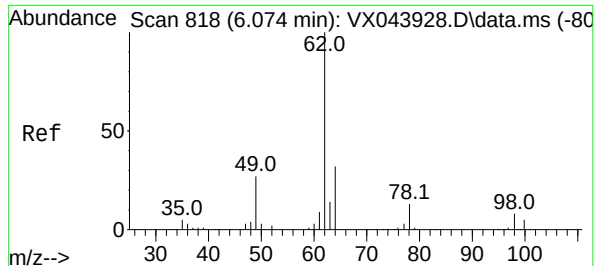
41 100

39 22.2 41.7 62.5#

67 57.0 55.8 83.8

52 18.1 24.0 36.0#





#42

1,2-Dichloroethane

Concen: 0.896 ug/l

RT: 6.086 min Scan# 818

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 2602

Ion Ratio Lower Upper

62 100

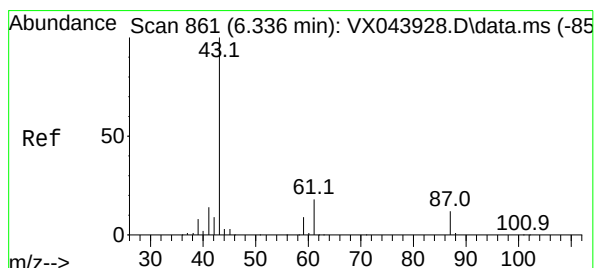
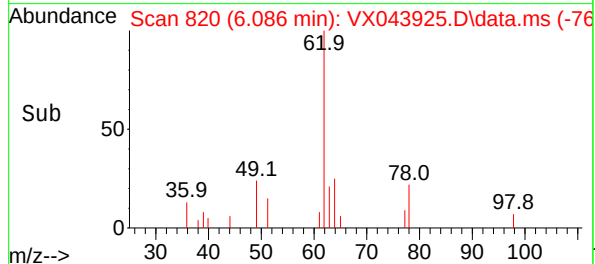
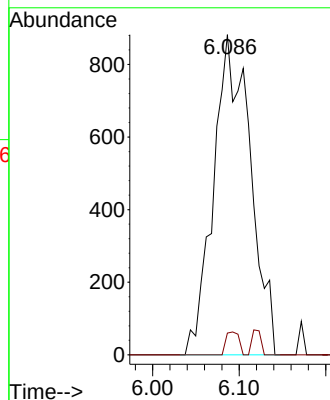
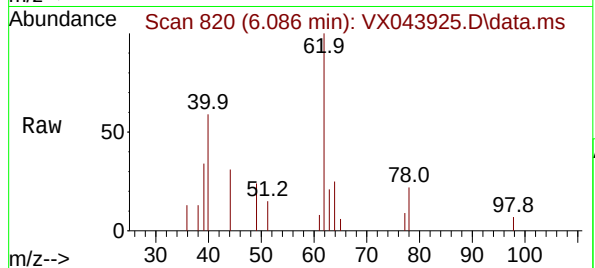
98 2.5 0.0 16.4

Manual Integrations

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Supervised By :Mahesh Dadoda 11/22/2024



#43

Isopropyl Acetate

Concen: 0.847 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

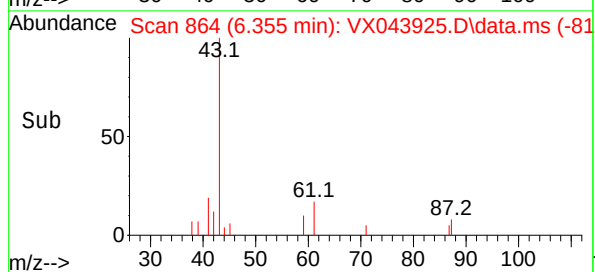
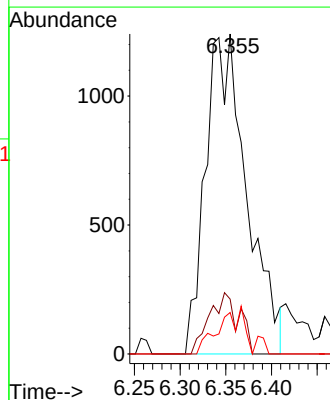
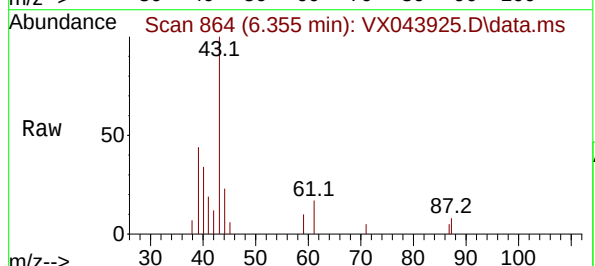
Tgt Ion: 43 Resp: 3881

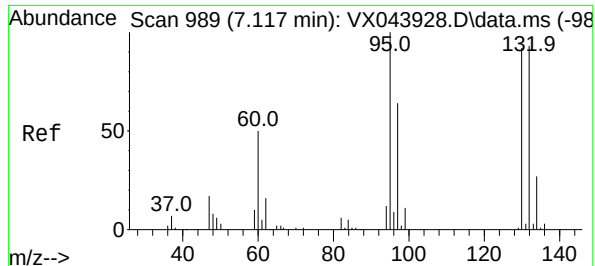
Ion Ratio Lower Upper

43 100

61 13.8 14.5 21.7#

87 8.9 10.2 15.2#





#44

Trichloroethene

Concen: 1.393 ug/l

RT: 7.123 min Scan# 90

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 2850

Ion Ratio Lower Upper

130 100

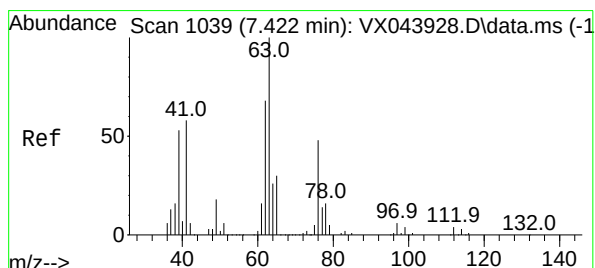
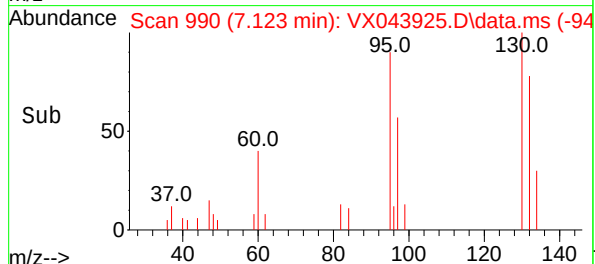
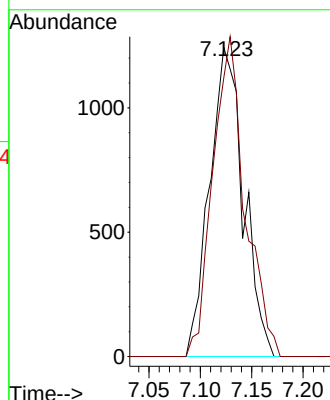
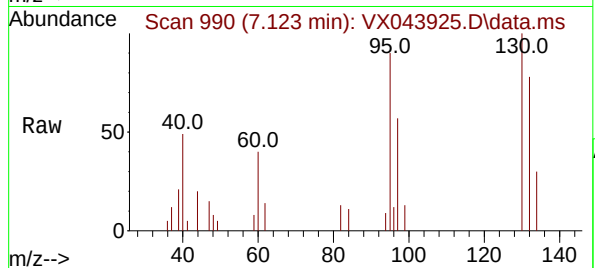
95 90.0 0.0 217.8

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#45

1,2-Dichloropropane

Concen: 0.849 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX043925.D

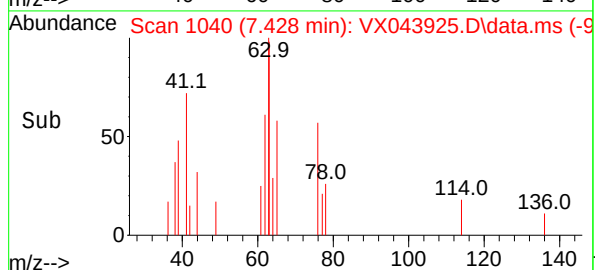
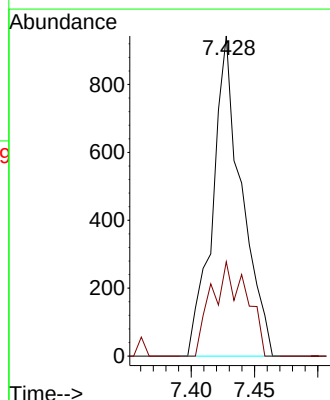
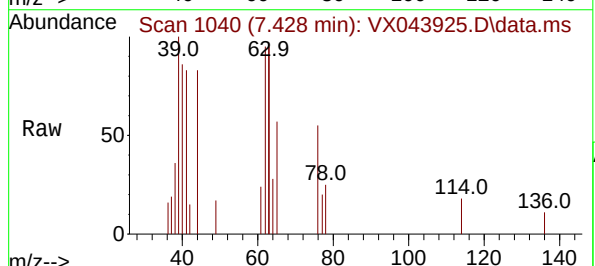
Acq: 21 Nov 2024 09:47

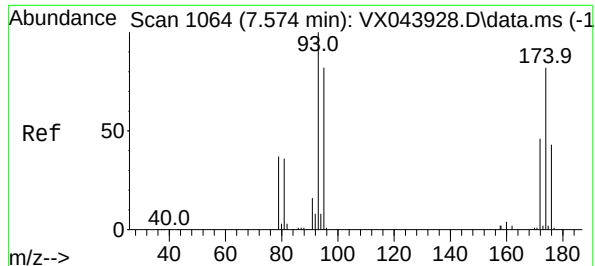
Tgt Ion: 63 Resp: 1503

Ion Ratio Lower Upper

63 100

65 29.5 23.8 35.6





#46

Dibromomethane

Concen: 0.890 ug/l

RT: 7.580 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 1240

Ion Ratio Lower Upper

93 100

95 90.4 66.2 99.4

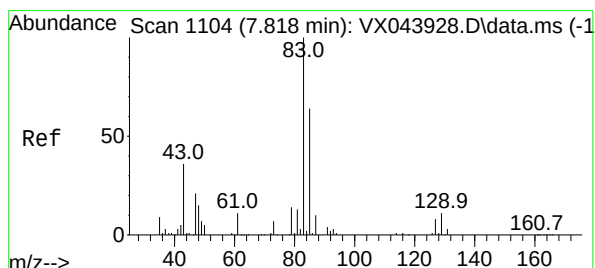
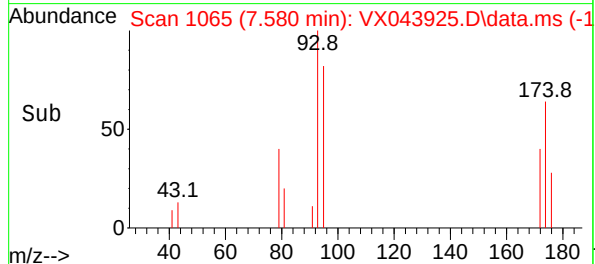
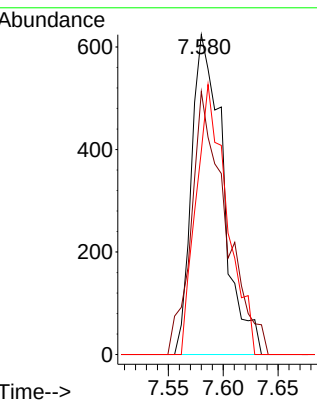
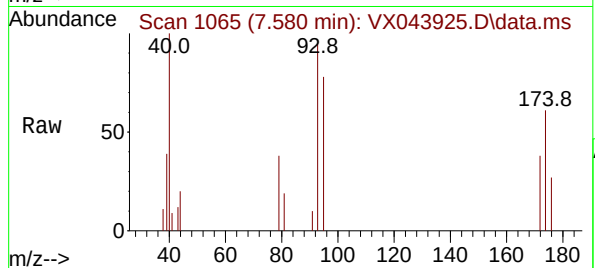
174 83.1 69.6 104.4

Manual Integrations

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Supervised By :Mahesh Dadoda 11/22/2024



#47

Bromodichloromethane

Concen: 0.724 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

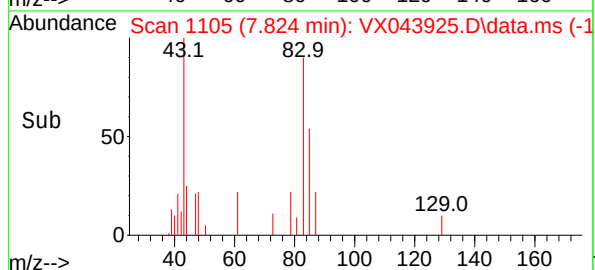
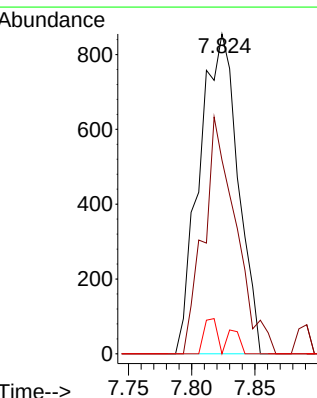
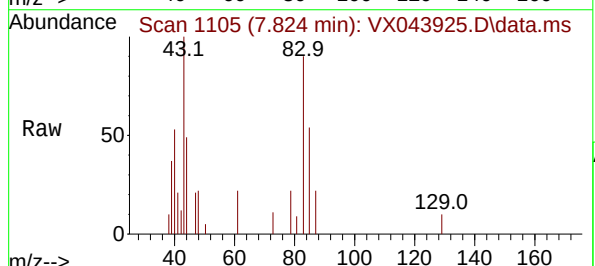
Tgt Ion: 83 Resp: 1819

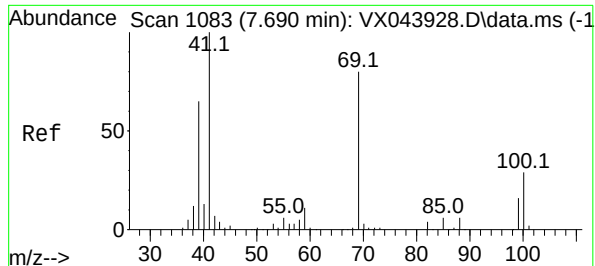
Ion Ratio Lower Upper

83 100

85 60.6 51.4 77.0

127 0.0 6.6 10.0#





#48

Methyl methacrylate

Concen: 0.917 ug/l m

RT: 7.702 min Scan# 1085

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

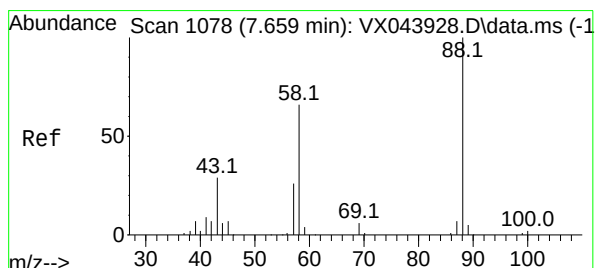
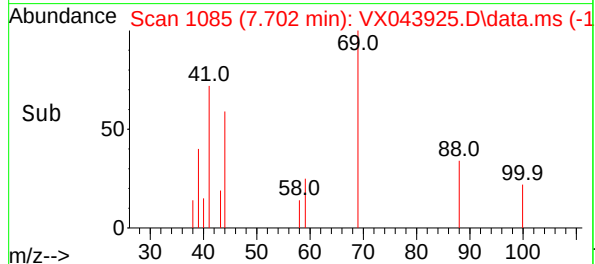
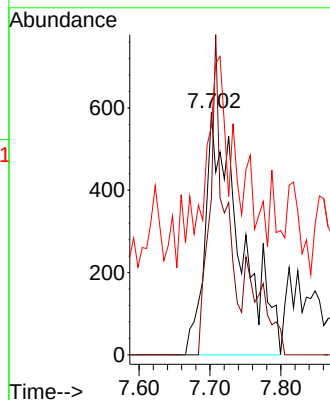
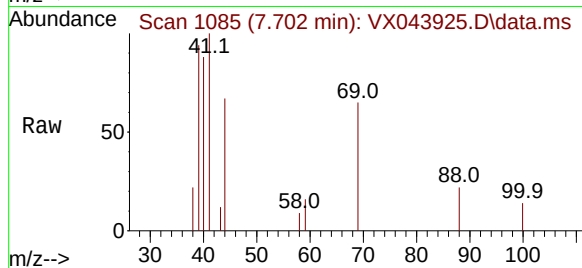
Tgt Ion: 41	Resp: 201
Ion Ratio	Lower Upper
41	100
69	57.5 64.6 97.0
39	40.3 53.3 79.9

Manual Integrations

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Supervised By :Mahesh Dadoda 11/22/2024



#49

1,4-Dioxane

Concen: 16.166 ug/l

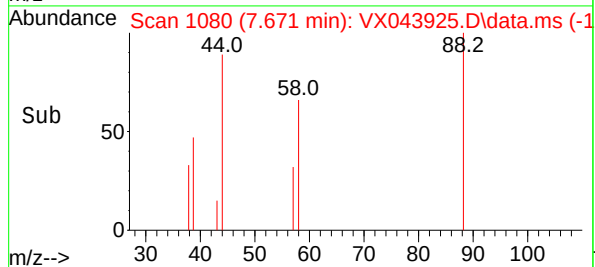
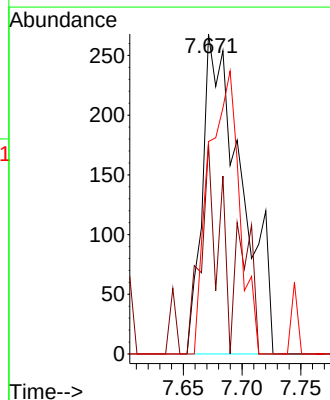
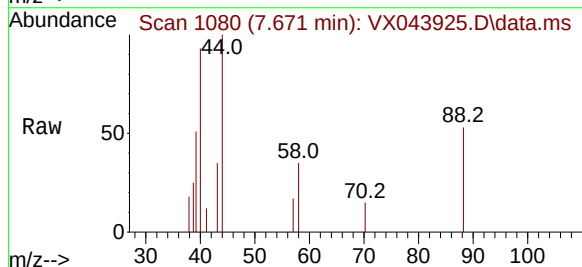
RT: 7.671 min Scan# 1080

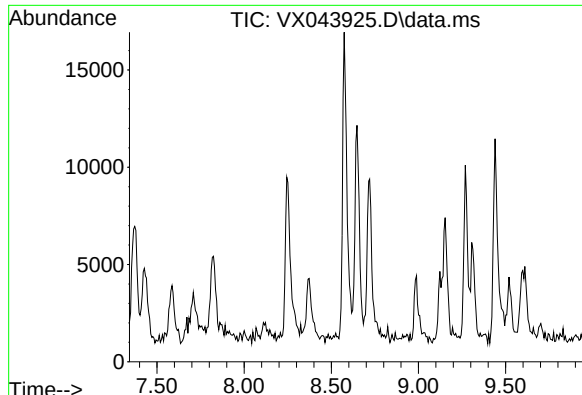
Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 88	Resp: 613
Ion Ratio	Lower Upper
88	100
43	31.0 26.8 40.2
58	0.0 45.4 68.2





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.64 min

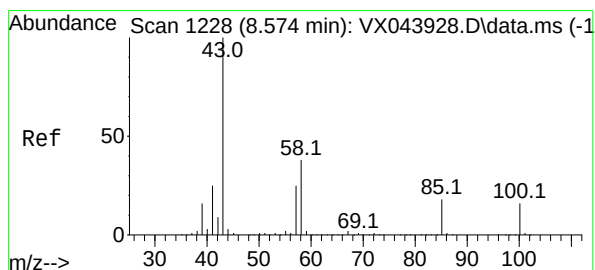
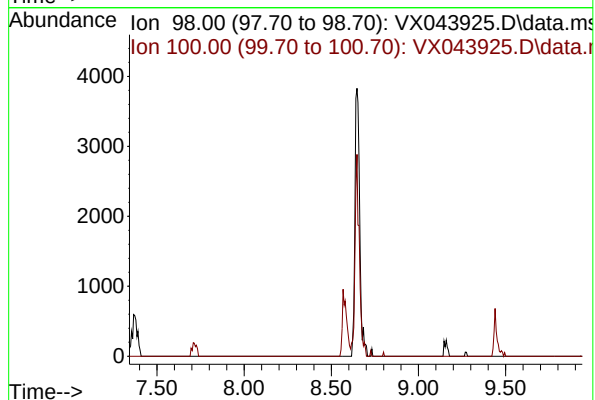
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.8

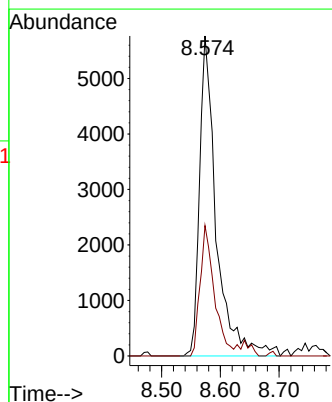
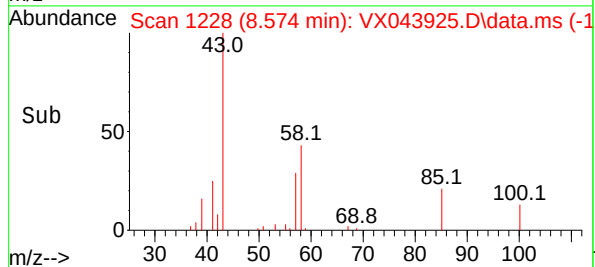
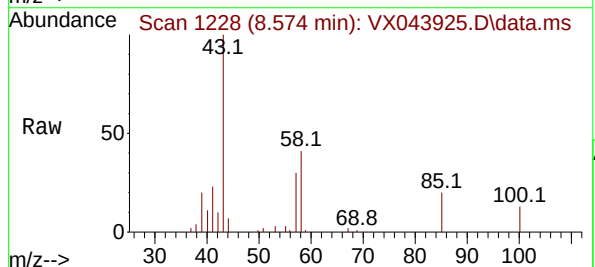
Manual Integrations
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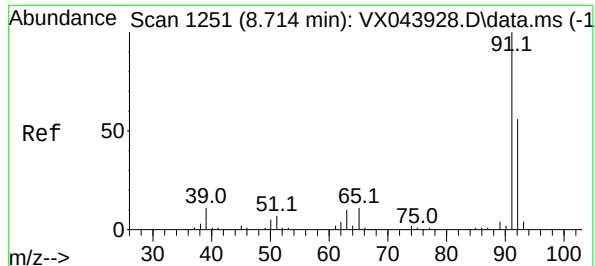
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 11392
Ion Ratio Lower Upper
43 100
58 34.9 30.0 45.0





#52

Toluene

Concen: 0.766 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 331

Ion Ratio Lower Upper

92 100

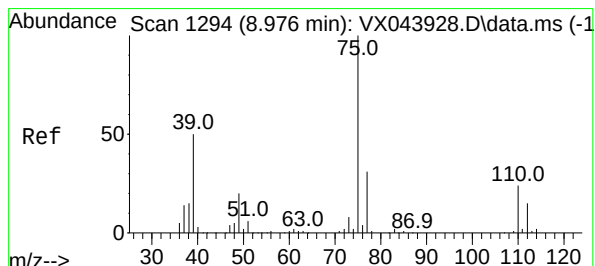
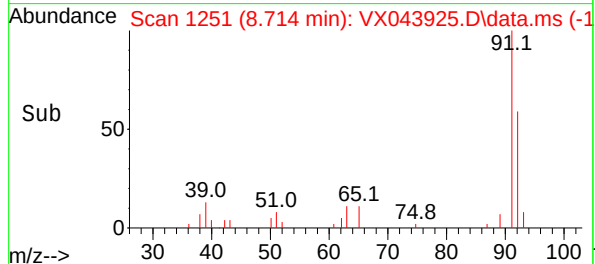
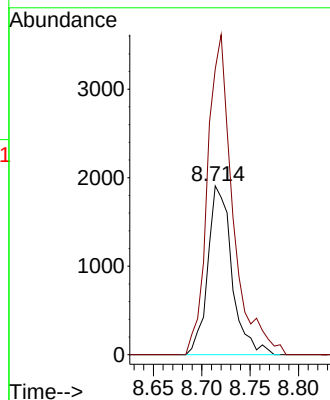
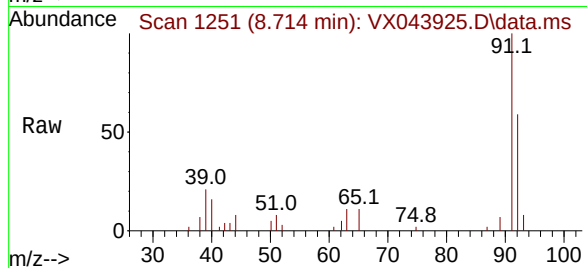
91 199.1 139.7 209.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#53

t-1,3-Dichloropropene

Concen: 0.694 ug/l

RT: 8.988 min Scan# 1296

Delta R.T. 0.012 min

Lab File: VX043925.D

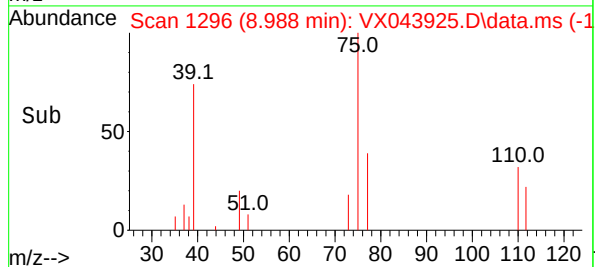
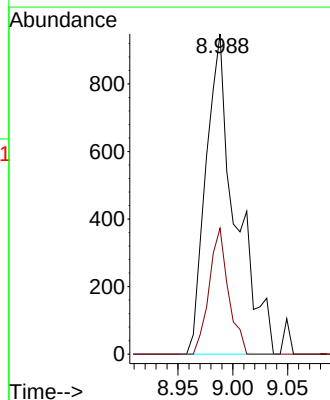
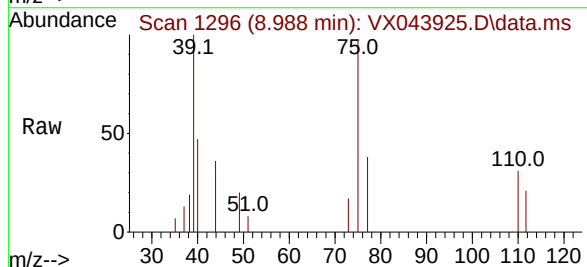
Acq: 21 Nov 2024 09:47

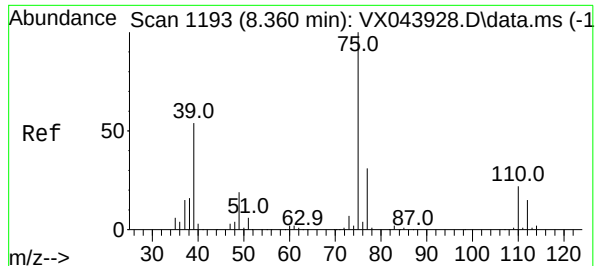
Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

77 39.3 25.1 37.7#





#54

cis-1,3-Dichloropropene

Concen: 0.759 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

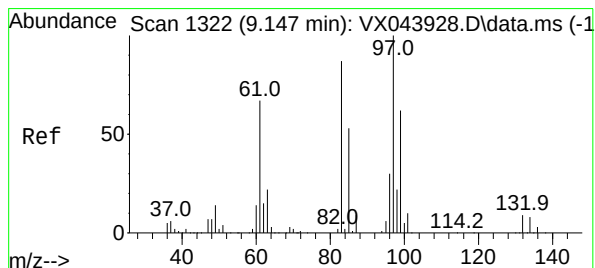
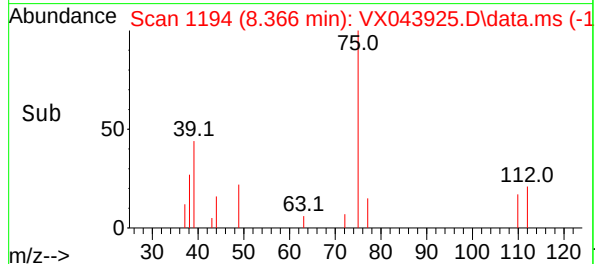
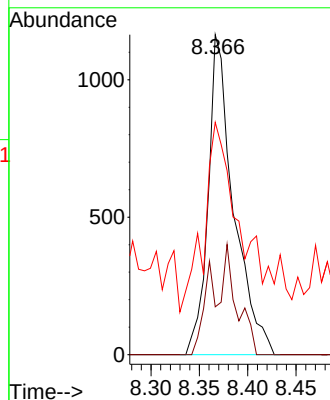
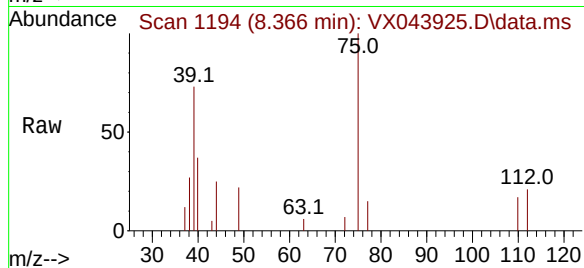
Tgt Ion:	75	Resp:	213
Ion	Ratio	Lower	Upper
75	100		
77	14.9	25.2	37.8
39	59.3	43.1	64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#55

1,1,2-Trichloroethane

Concen: 0.838 ug/l

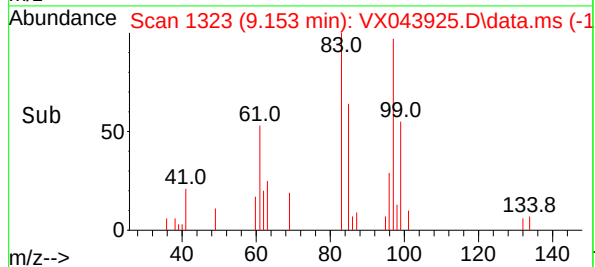
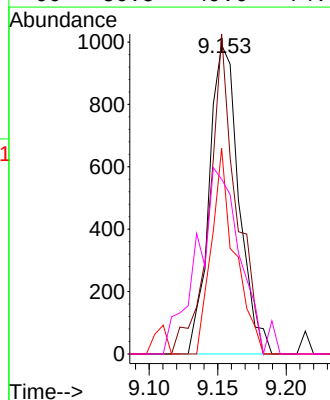
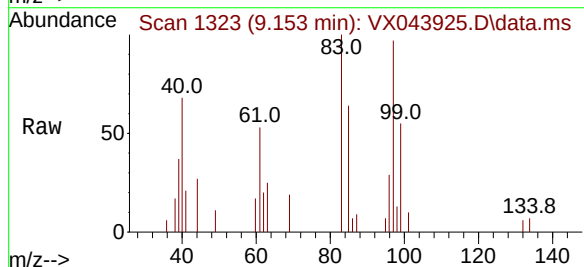
RT: 9.153 min Scan# 1323

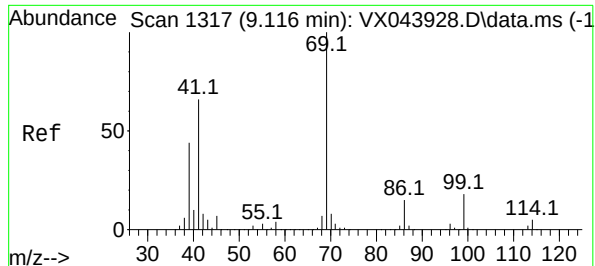
Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:	97	Resp:	1496
Ion	Ratio	Lower	Upper
97	100		
83	103.5	69.4	104.0
85	66.5	42.3	63.5
99	56.5	49.6	74.4





#56

Ethyl methacrylate

Concen: 0.709 ug/l

RT: 9.122 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

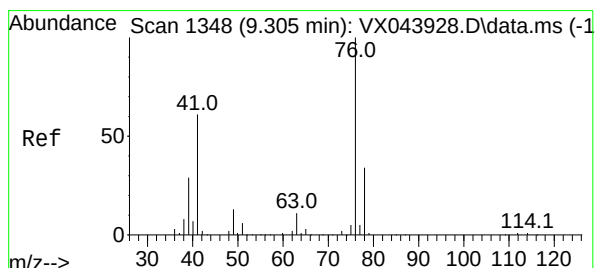
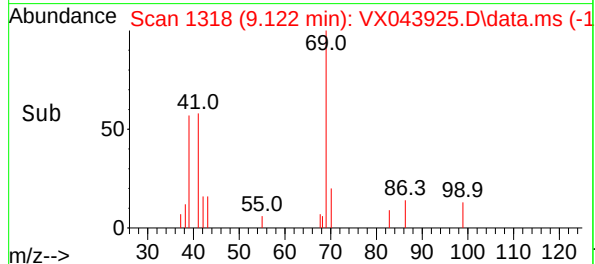
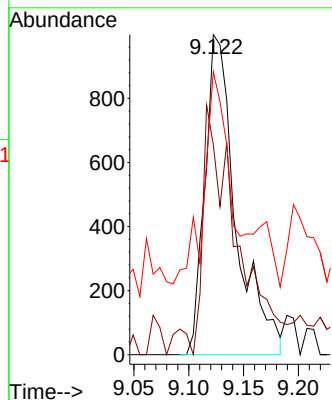
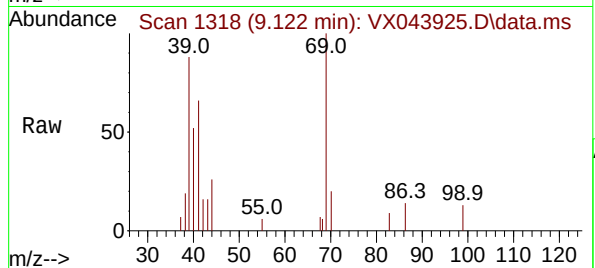
VSTDICC001

Tgt Ion:	69	Resp:	197
Ion Ratio	Lower	Upper	
69	100		
41	85.3	55.8	83.8
39	56.7	36.7	55.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#57

1,3-Dichloropropane

Concen: 0.832 ug/l

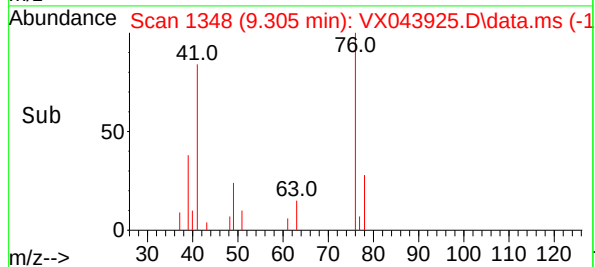
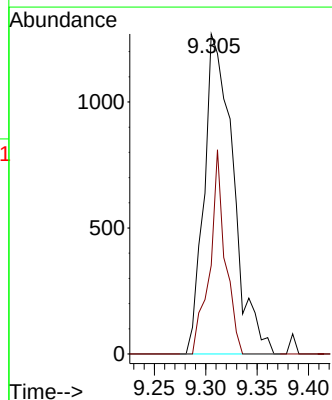
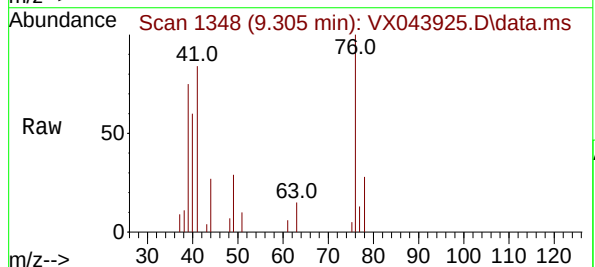
RT: 9.305 min Scan# 1348

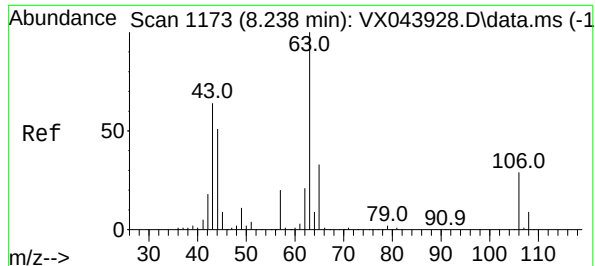
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:	76	Resp:	2502
Ion Ratio	Lower	Upper	
76	100		
78	33.6	26.0	39.0





#58

2-Chloroethyl Vinyl ether

Concen: 2.662 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 413

Ion Ratio Lower Upper

63 100

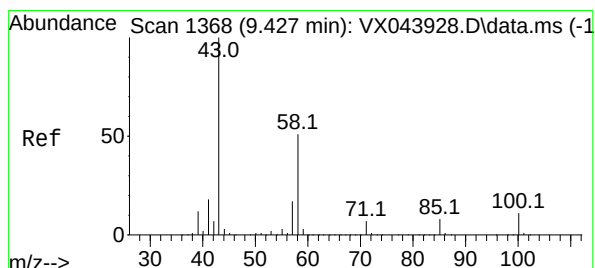
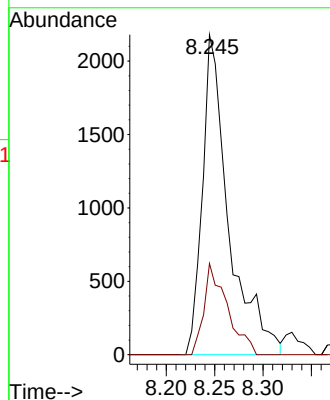
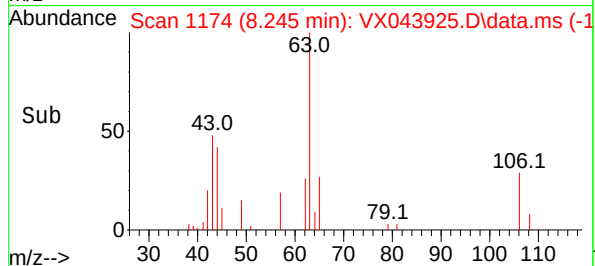
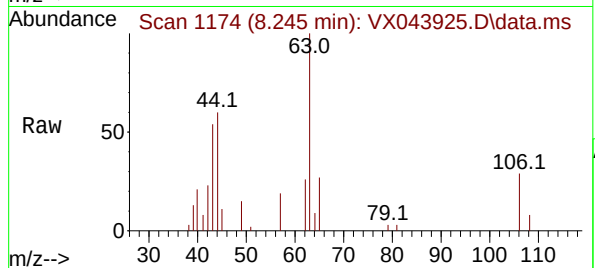
106 25.2 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#59

2-Hexanone

Concen: 3.675 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX043925.D

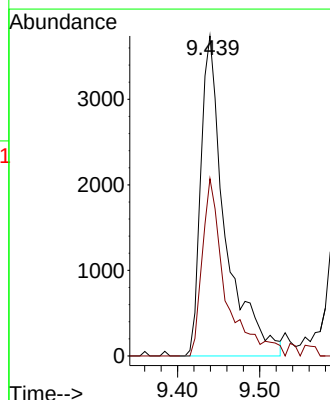
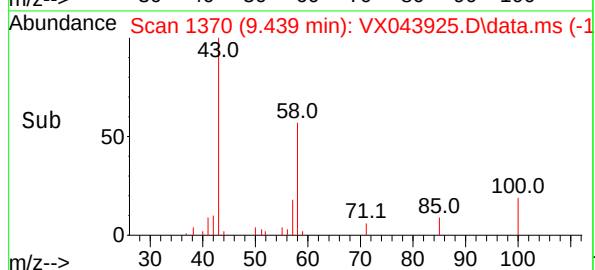
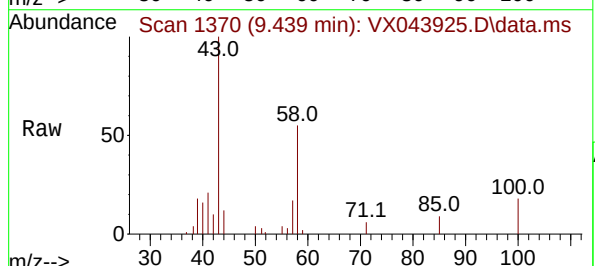
Acq: 21 Nov 2024 09:47

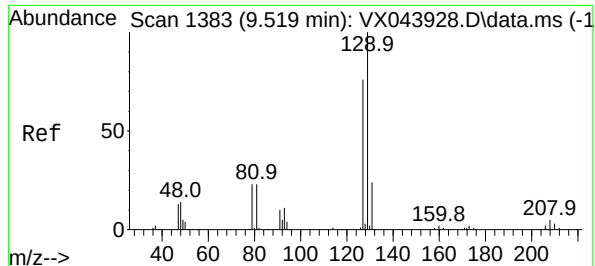
Tgt Ion: 43 Resp: 7726

Ion Ratio Lower Upper

43 100

58 52.6 25.9 77.6





#60

Dibromochloromethane

Concen: 0.723 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 1290

Ion Ratio Lower Upper

129 100

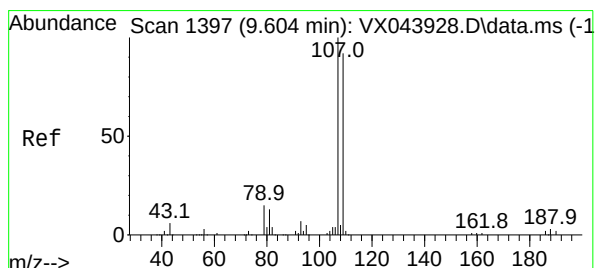
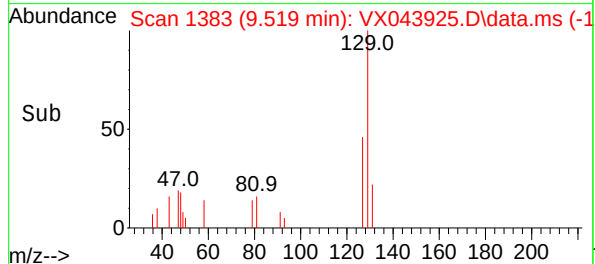
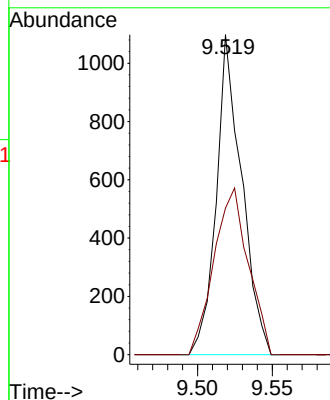
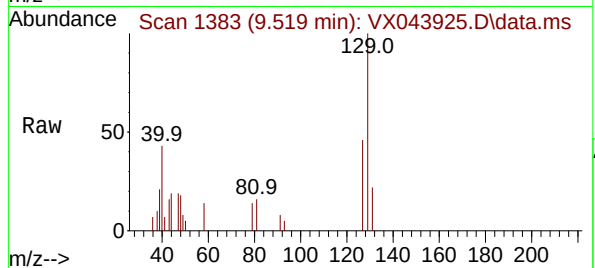
127 70.6 38.2 114.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#61

1,2-Dibromoethane

Concen: 0.743 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043925.D

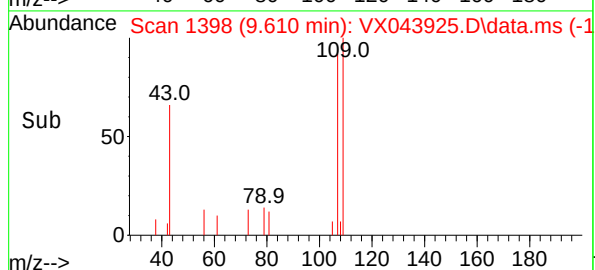
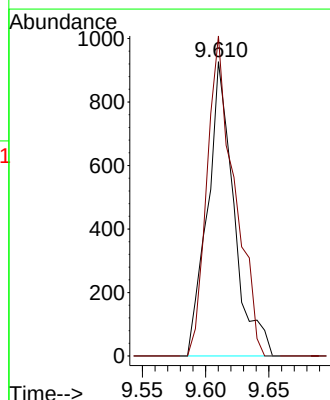
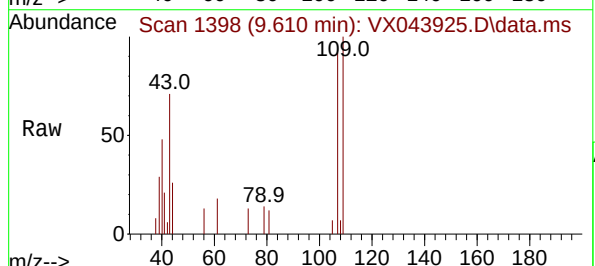
Acq: 21 Nov 2024 09:47

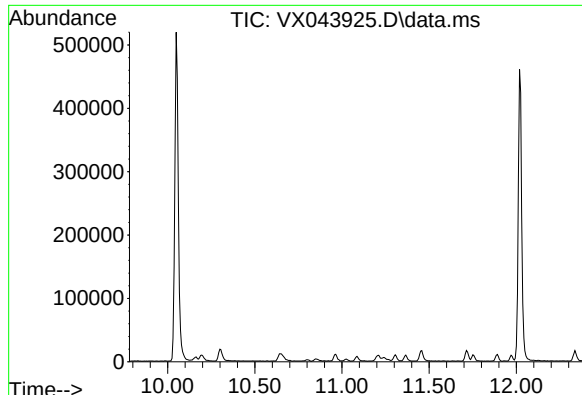
Tgt Ion:107 Resp: 1342

Ion Ratio Lower Upper

107 100

109 113.3 75.2 112.8#





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

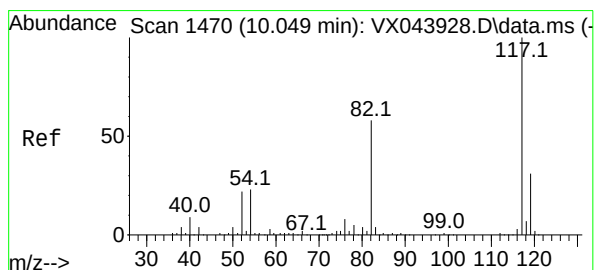
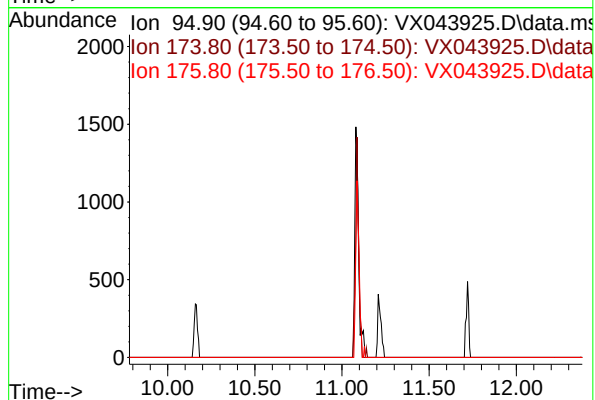
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 95
Sig Exp Ratio
95 100
174 75.2
176 73.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

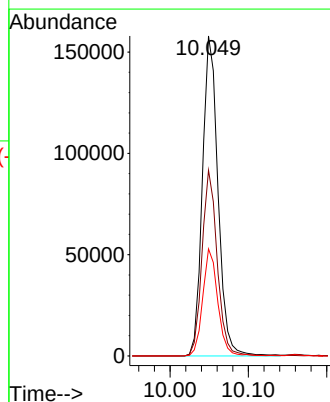
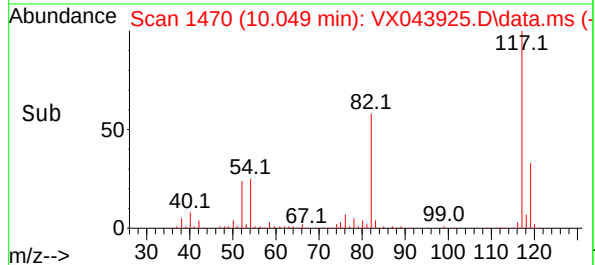
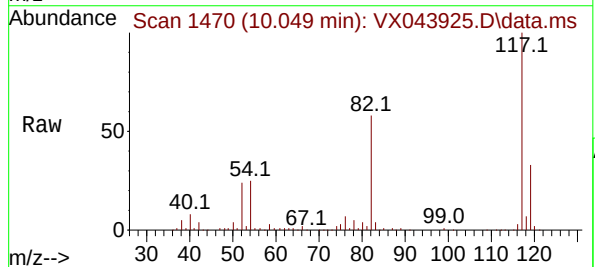
Manual Integrations
APPROVED

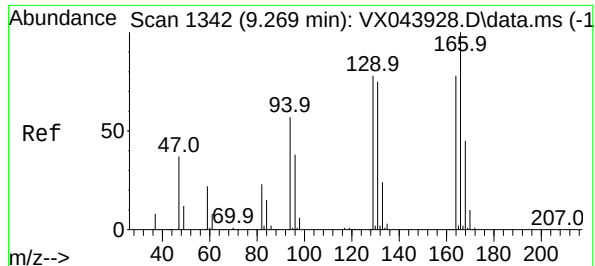
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 218244
Ion Ratio Lower Upper
117 100
82 58.1 46.4 69.6
119 33.5 24.6 37.0





#64

Tetrachloroethene

Concen: 0.924 ug/l

RT: 9.269 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 1329

Ion Ratio Lower Upper

164 100

166 112.3 102.1 153.1

129 112.6 79.6 119.4

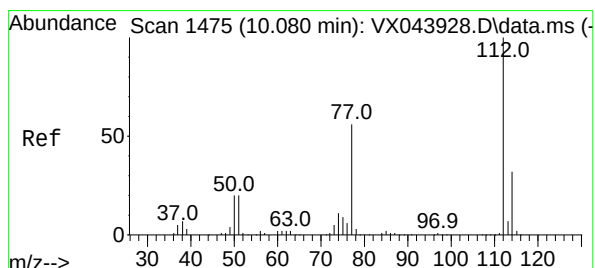
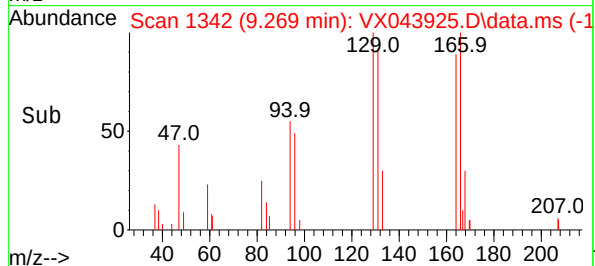
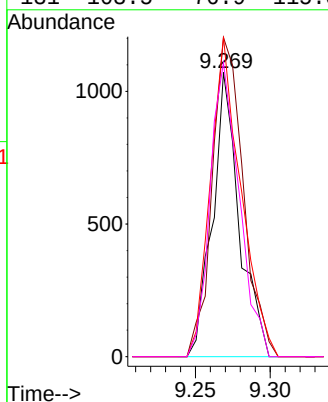
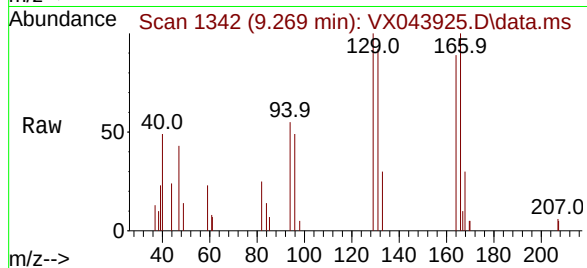
131 103.5 76.9 115.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#65

Chlorobenzene

Concen: 0.957 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VX043925.D

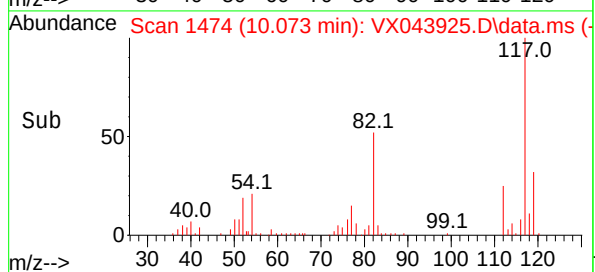
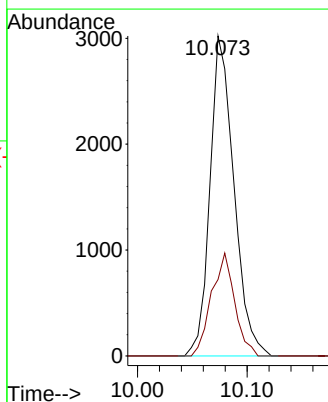
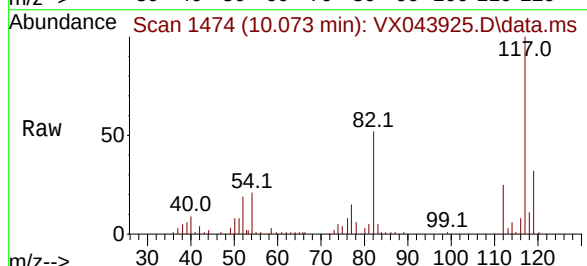
Acq: 21 Nov 2024 09:47

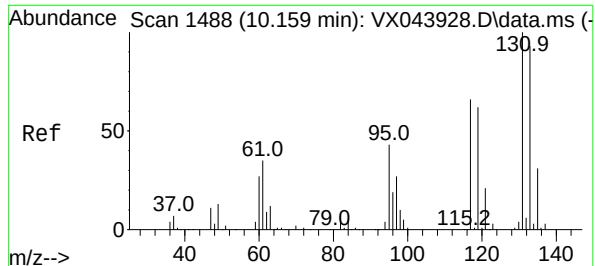
Tgt Ion:112 Resp: 4585

Ion Ratio Lower Upper

112 100

114 23.9 25.4 38.0#





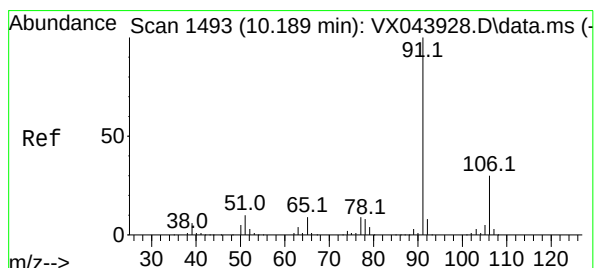
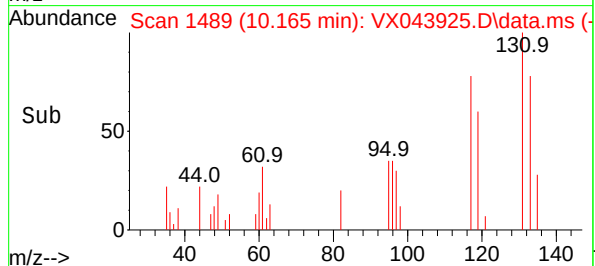
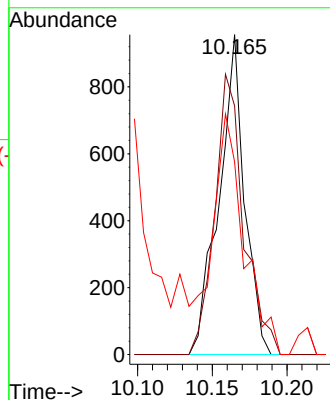
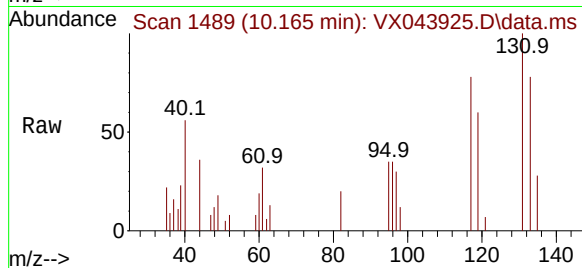
#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:131 Resp: 1130
Ion Ratio Lower Upper
131 100
133 100.0 48.2 144.6
119 0.0 31.5 94.5

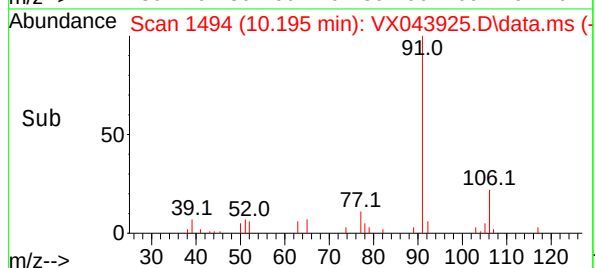
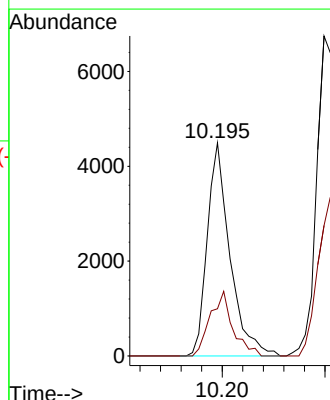
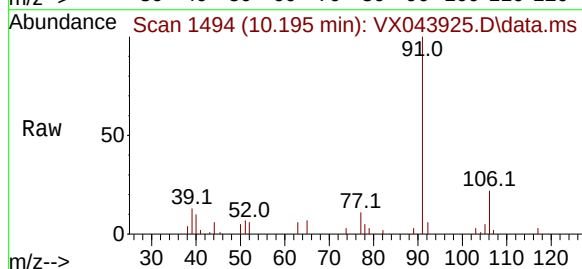
Manual Integrations
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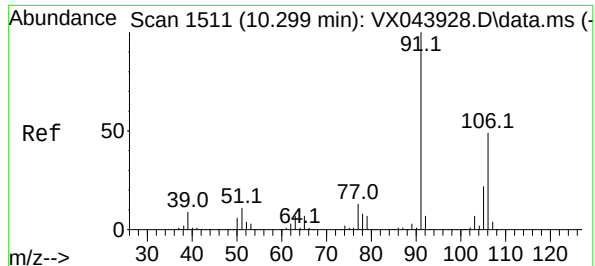
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6890
Ion Ratio Lower Upper
91 100
106 22.2 23.6 35.4#





#68

m/p-Xylenes

Concen: 1.758 ug/l

RT: 10.305 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:106 Resp: 5324

Ion Ratio Lower Upper

106 100

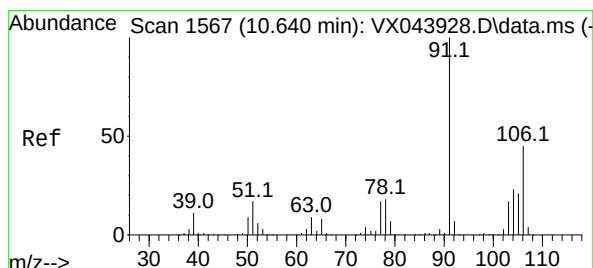
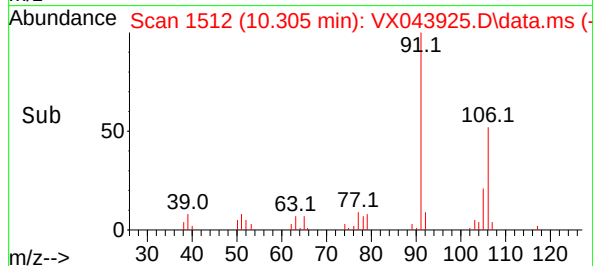
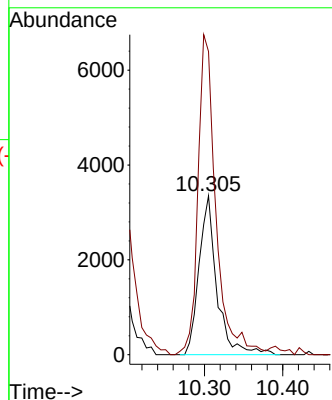
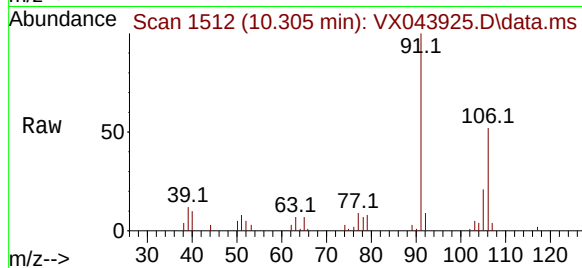
91 201.7 168.1 252.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#69

o-Xylene

Concen: 0.801 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043925.D

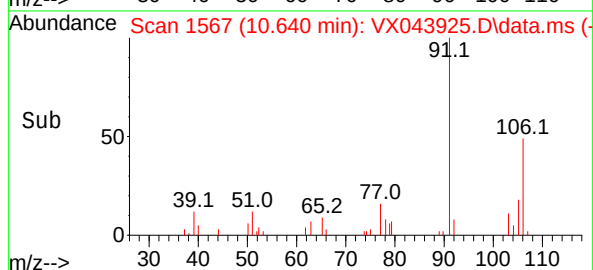
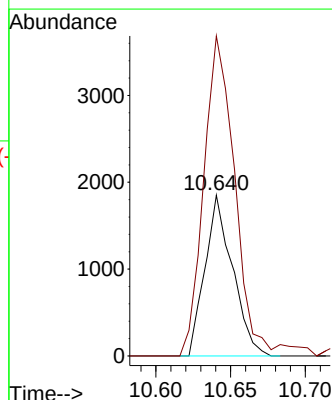
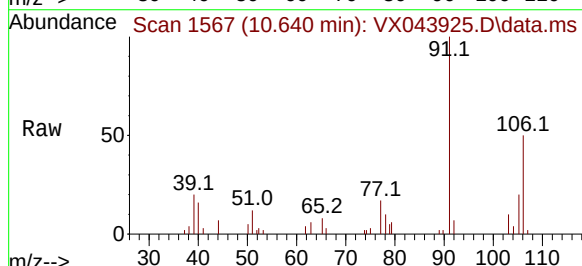
Acq: 21 Nov 2024 09:47

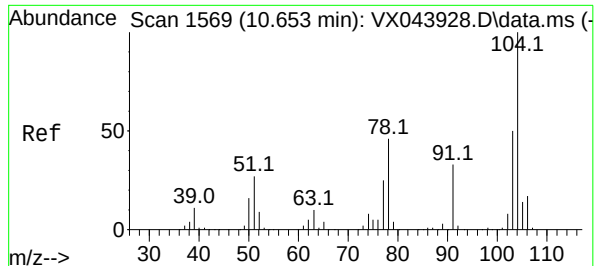
Tgt Ion:106 Resp: 2370

Ion Ratio Lower Upper

106 100

91 228.1 110.2 330.6





#70

Styrene

Concen: 0.767 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

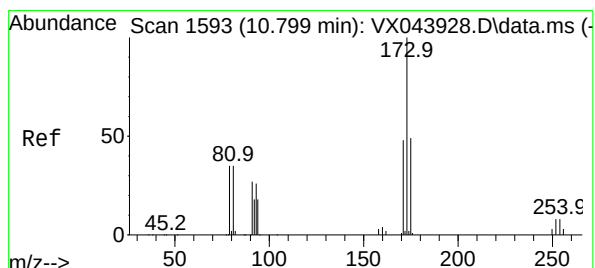
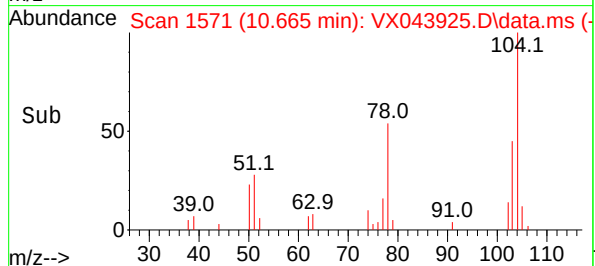
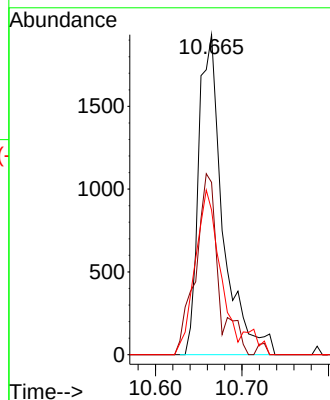
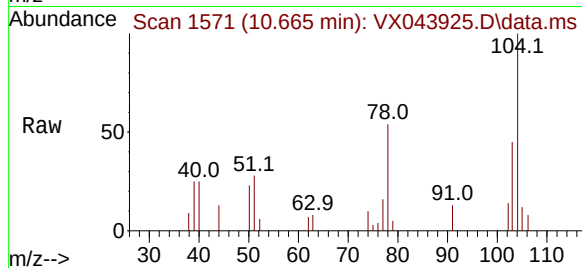
Tgt Ion:104	Resp:	375
Ion Ratio	Lower	Upper
104	100	
78	54.0	42.2 63.2
103	52.8	44.7 67.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#71

Bromoform

Concen: 1.756 ug/l

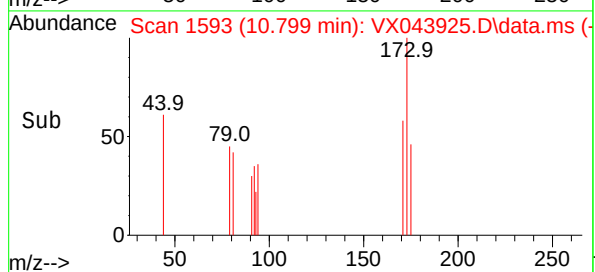
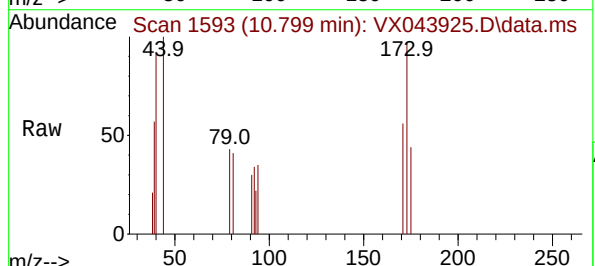
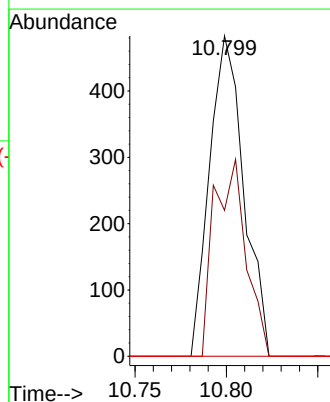
RT: 10.799 min Scan# 1593

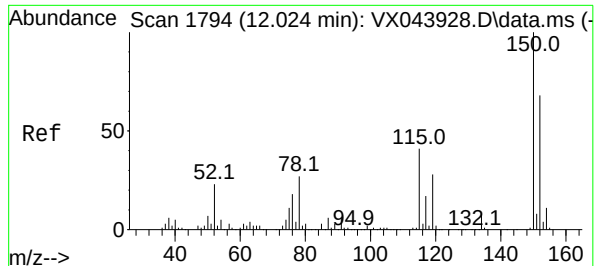
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:173	Resp:	632
Ion Ratio	Lower	Upper
173	100	
175	57.1	24.1 72.2
254	0.0	0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 9285

Ion Ratio Lower Upper

152 100

115 60.8 45.4 136.2

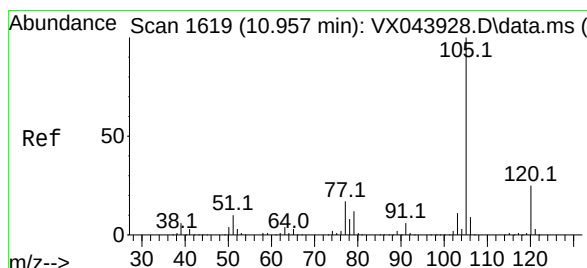
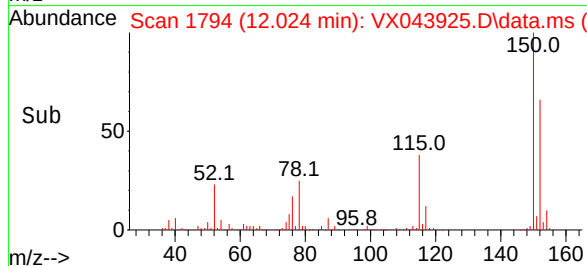
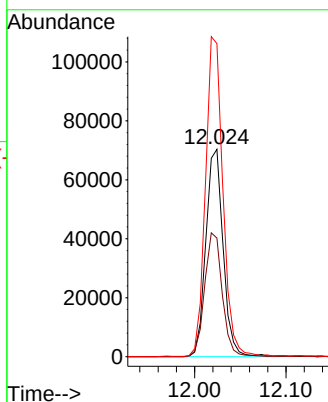
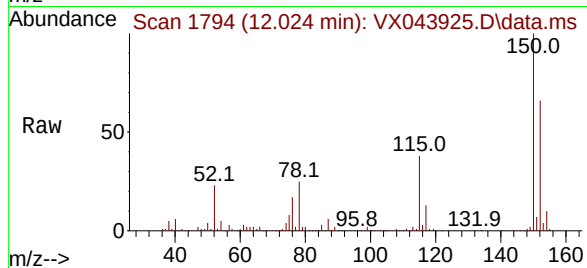
150 154.3 0.0 353.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#73

Isopropylbenzene

Concen: 0.894 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX043925.D

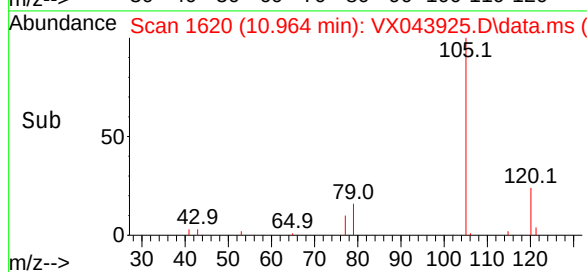
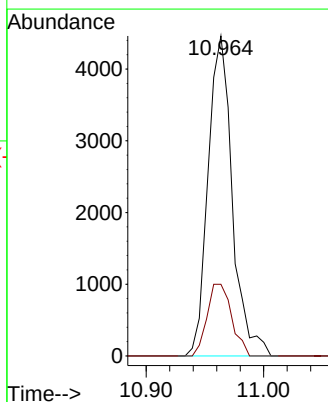
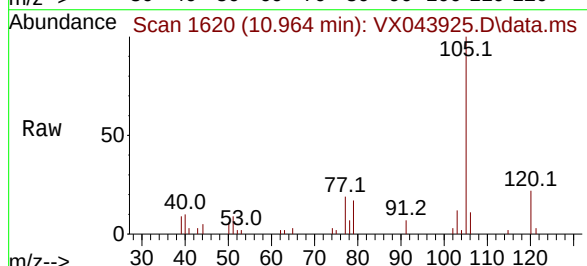
Acq: 21 Nov 2024 09:47

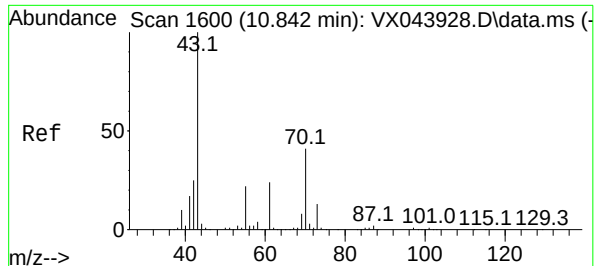
Tgt Ion:105 Resp: 6379

Ion Ratio Lower Upper

105 100

120 22.8 13.0 38.9





#74

N-ethyl acetate

Concen: 0.701 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 2319

Ion Ratio Lower Upper

43 100

70 35.9 32.2 48.2

55 26.8 18.1 27.1

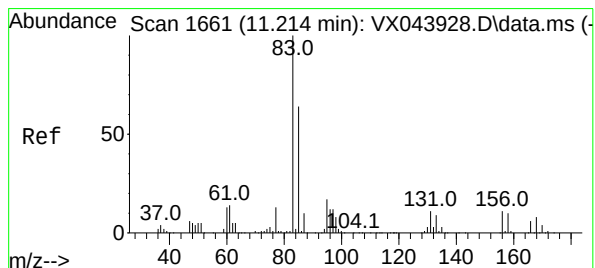
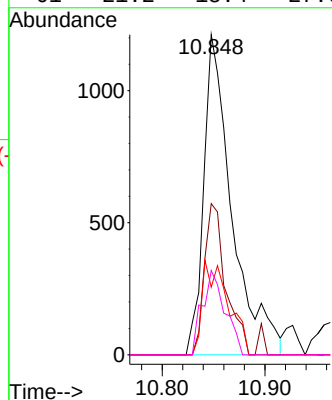
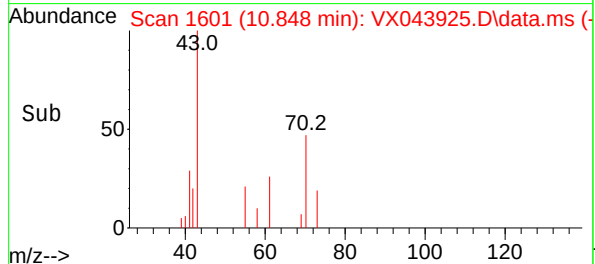
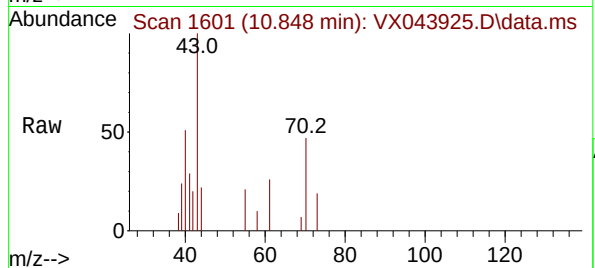
61 21.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#75

1,1,2,2-Tetrachloroethane

Concen: 0.910 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

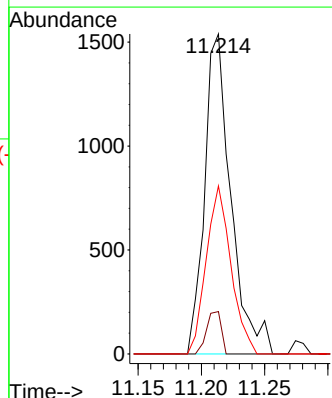
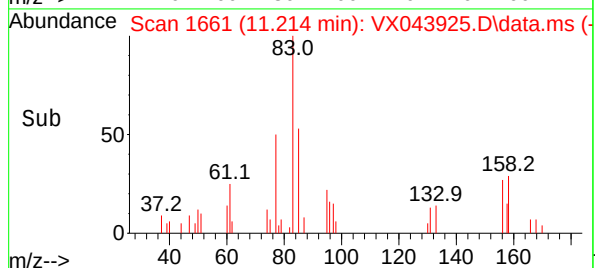
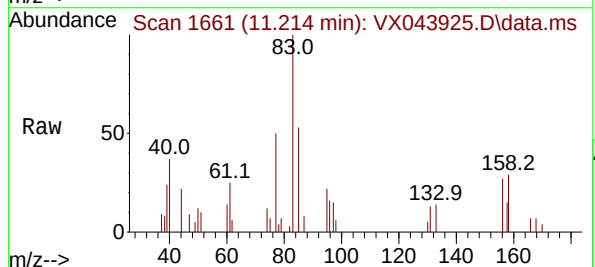
Tgt Ion: 83 Resp: 2224

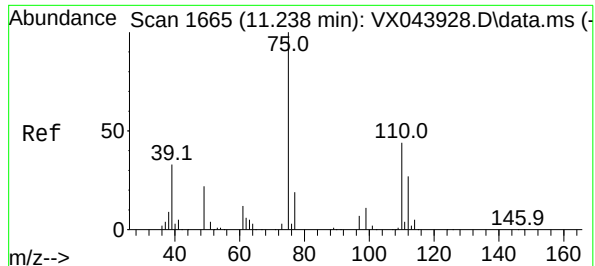
Ion Ratio Lower Upper

83 100

131 7.5 5.1 15.2

85 49.5 32.2 96.6





#76

1,2,3-Trichloropropane

Concen: 0.801 ug/l m

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 1600

Ion Ratio Lower Upper

75 100

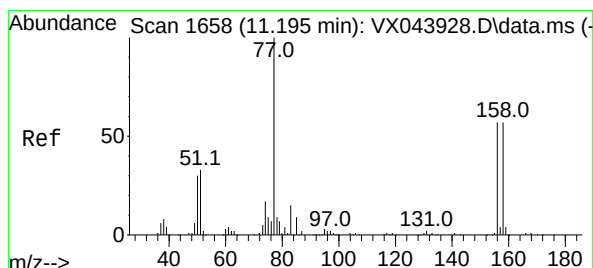
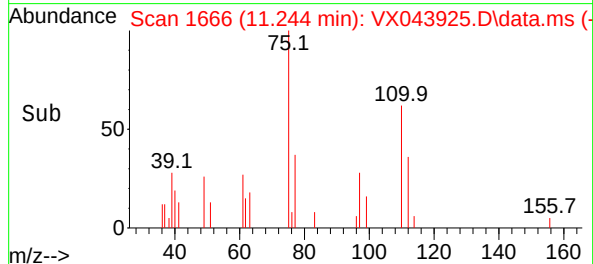
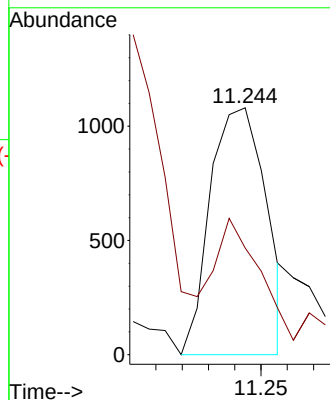
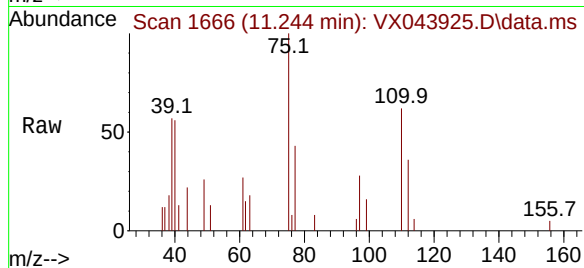
77 54.3 21.8 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#77

Bromobenzene

Concen: 0.866 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

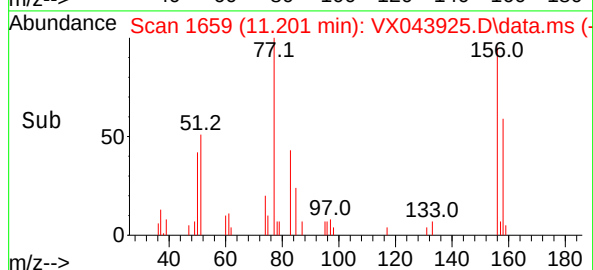
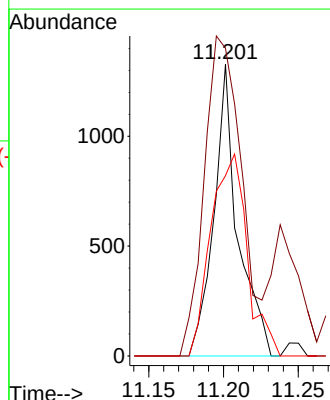
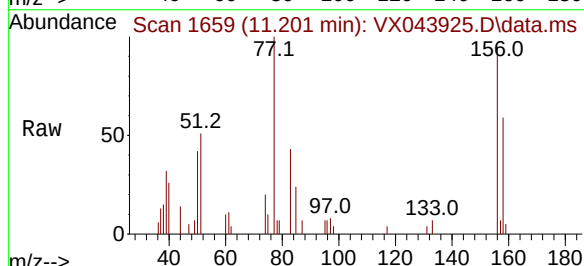
Tgt Ion:156 Resp: 1475

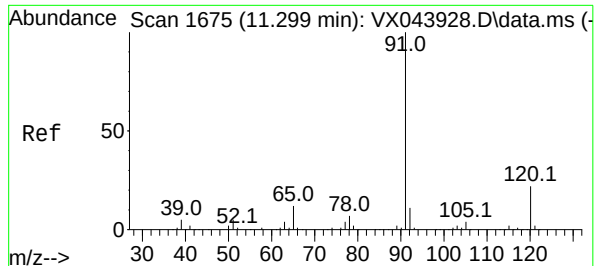
Ion Ratio Lower Upper

156 100

77 171.7 83.4 250.1

158 105.1 47.6 142.8





#78

n-propylbenzene

Concen: 0.854 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 6810

Ion Ratio Lower Upper

91 100

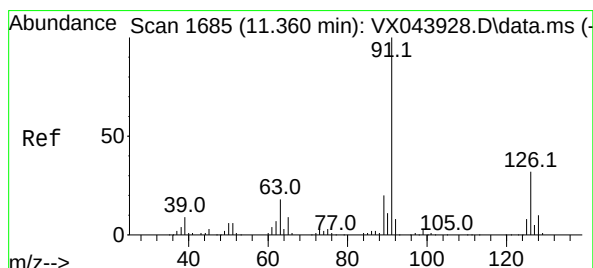
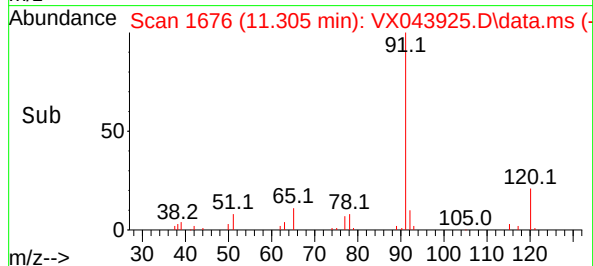
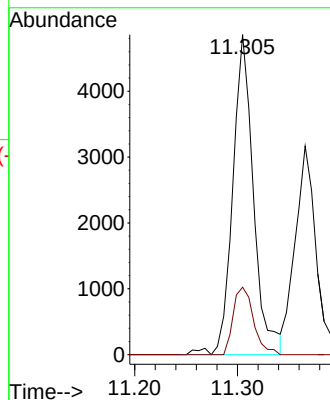
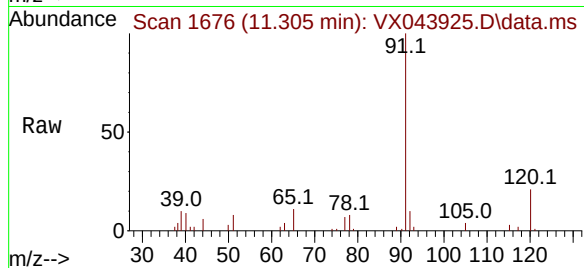
120 20.6 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#79

2-Chlorotoluene

Concen: 0.916 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VX043925.D

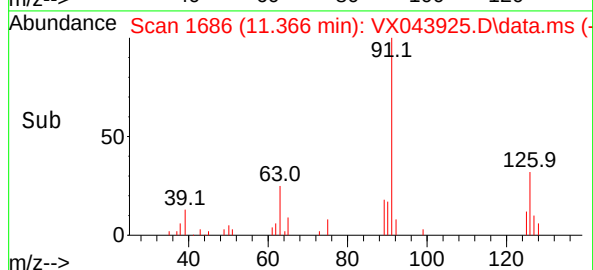
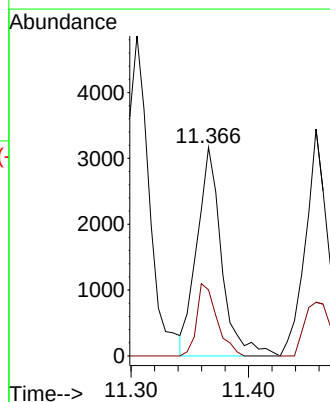
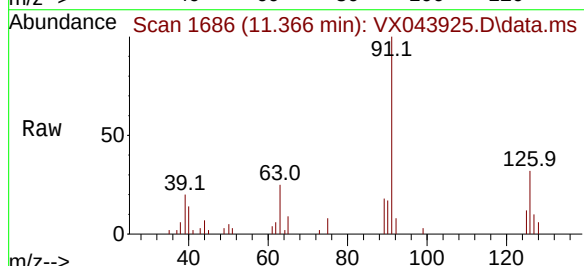
Acq: 21 Nov 2024 09:47

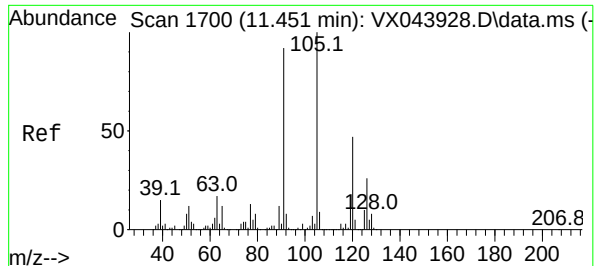
Tgt Ion: 91 Resp: 4618

Ion Ratio Lower Upper

91 100

126 28.5 16.6 49.8





#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 502

Ion Ratio Lower Upper

105 100

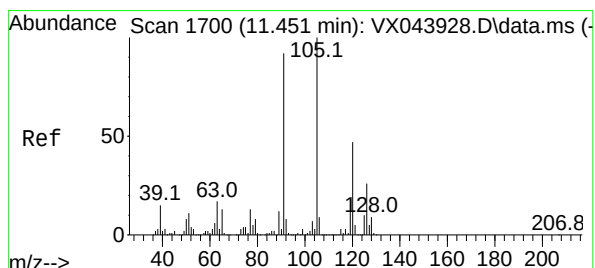
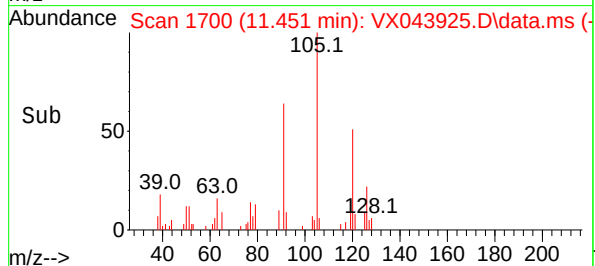
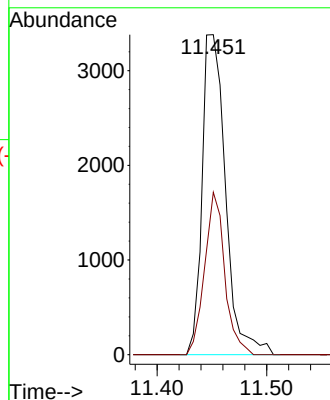
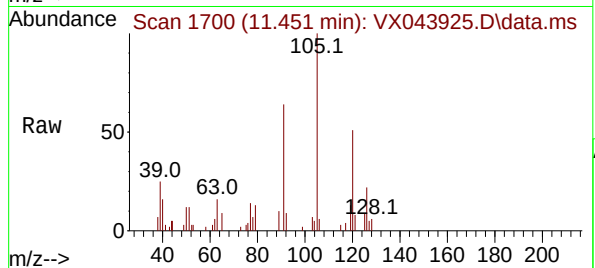
120 43.6 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 0.868 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX043925.D

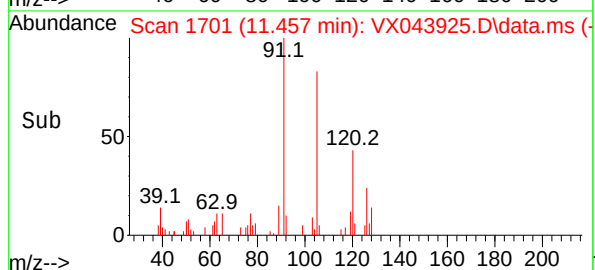
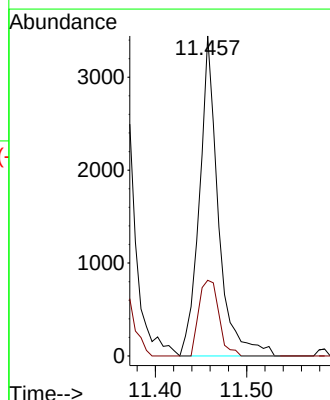
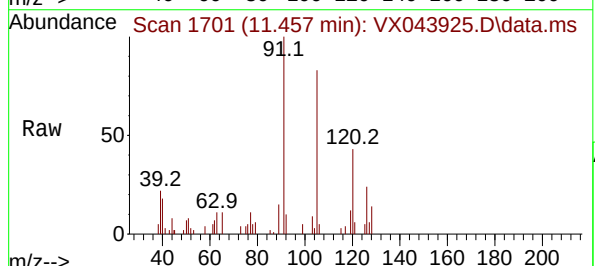
Acq: 21 Nov 2024 09:47

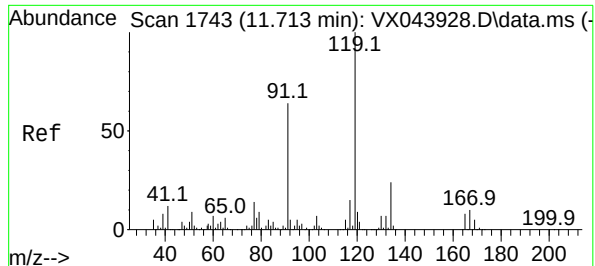
Tgt Ion: 91 Resp: 4940

Ion Ratio Lower Upper

91 100

126 25.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 0.824 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

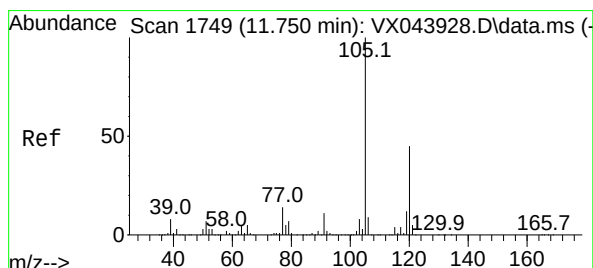
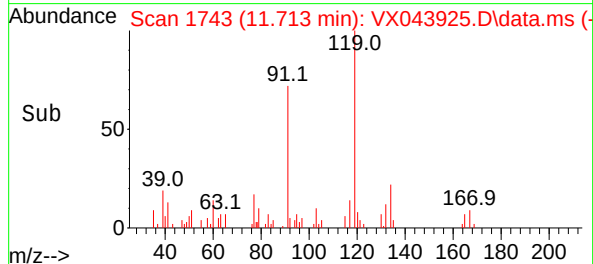
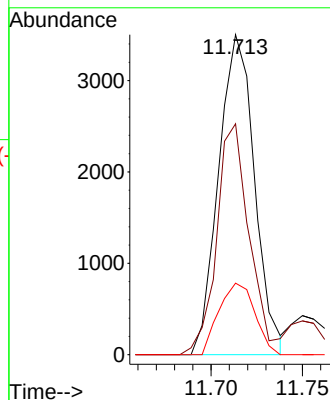
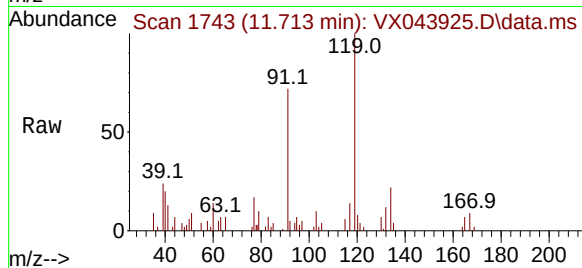
Tgt Ion:	119	Resp:	4794
Ion Ratio	Lower	Upper	
119	100		
91	65.8	31.0	93.0
134	22.3	11.6	34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 0.812 ug/l

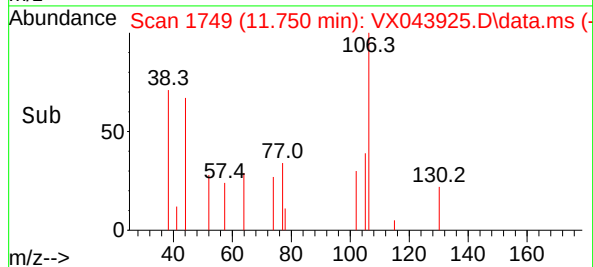
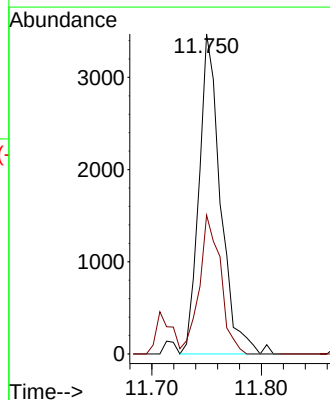
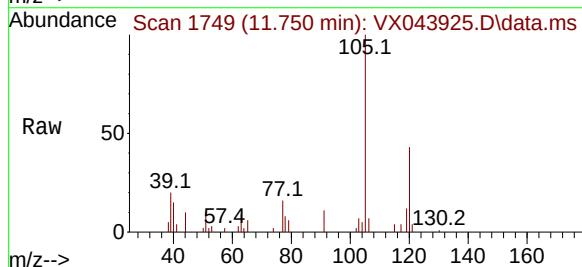
RT: 11.750 min Scan# 1749

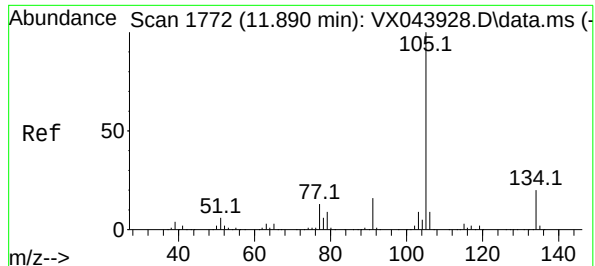
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:	105	Resp:	4748
Ion Ratio	Lower	Upper	
105	100		
120	42.8	21.9	65.7





#85

sec-Butylbenzene

Concen: 0.812 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 578

Ion Ratio Lower Upper

105 100

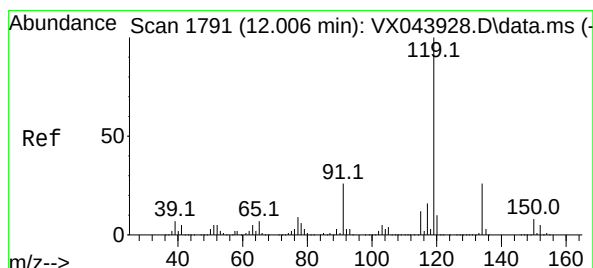
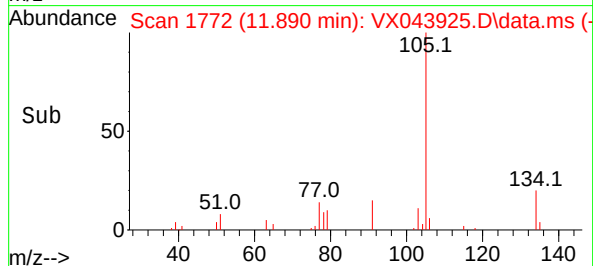
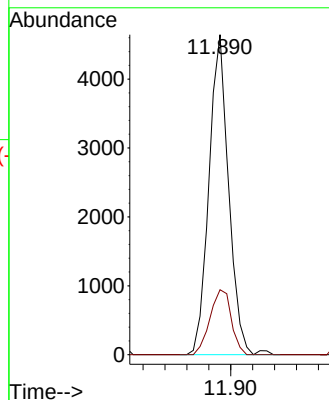
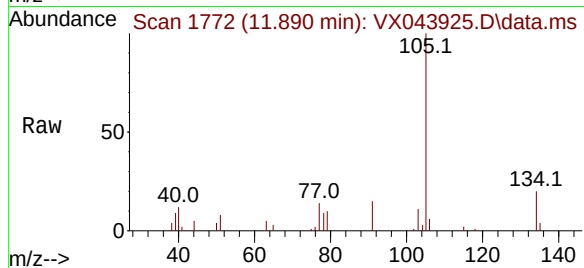
134 22.0 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 0.723 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

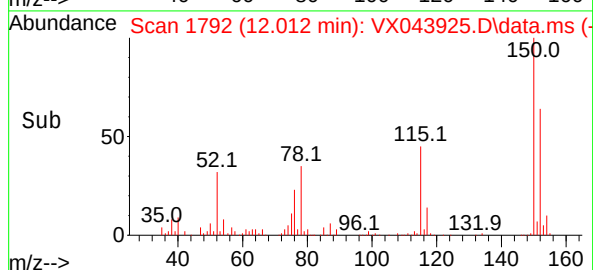
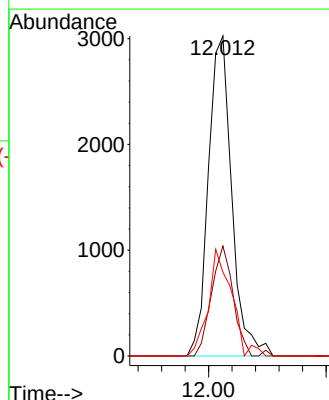
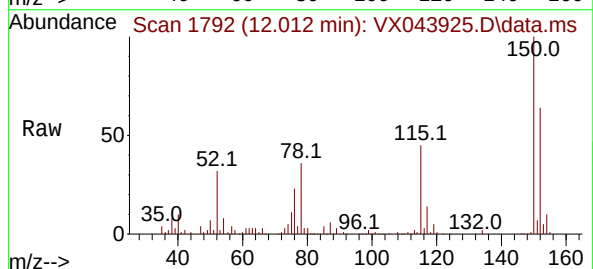
Tgt Ion:119 Resp: 4187

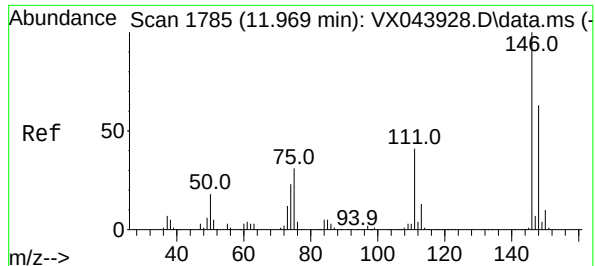
Ion Ratio Lower Upper

119 100

134 31.8 13.0 38.9

91 33.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 0.946 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

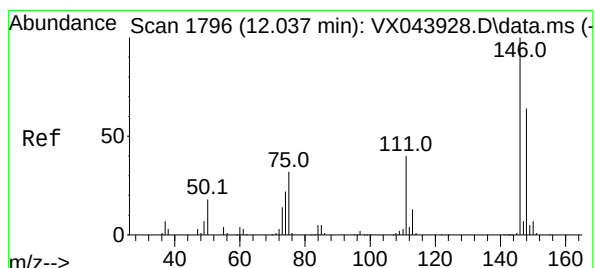
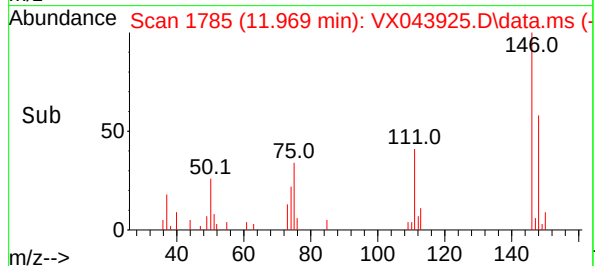
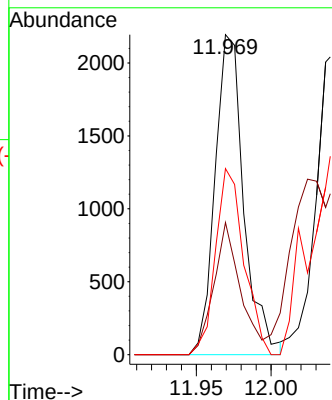
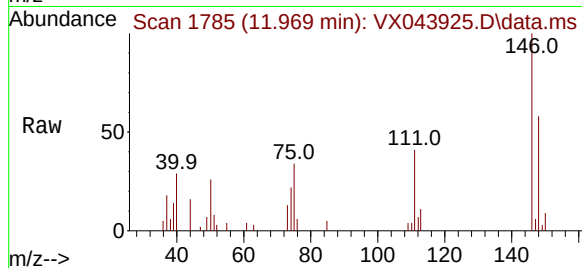
Tgt Ion:146	Resp:	2934
Ion Ratio	Lower	Upper
146	100	
111	38.3	21.1 63.3
148	57.6	31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 1.020 ug/l m

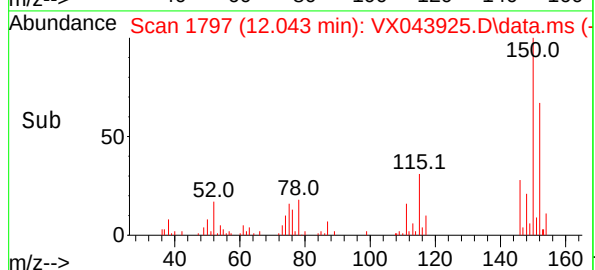
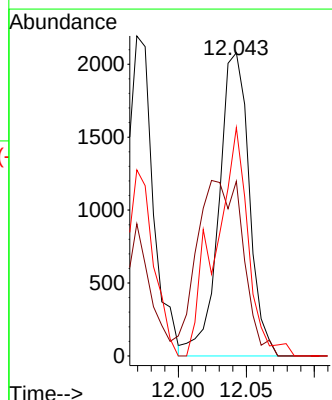
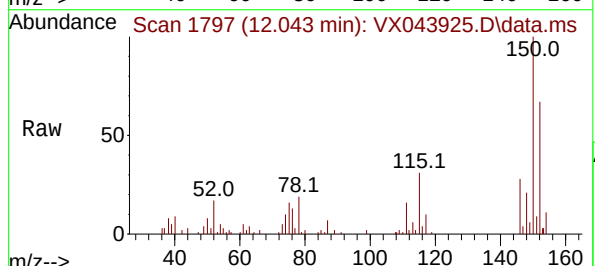
RT: 12.043 min Scan# 1797

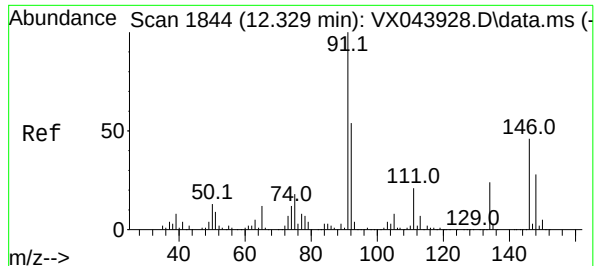
Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:146	Resp:	3212
Ion Ratio	Lower	Upper
146	100	
111	35.0	20.1 60.3
148	52.6	30.9 92.8





#89

n-Butylbenzene

Concen: 0.690 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

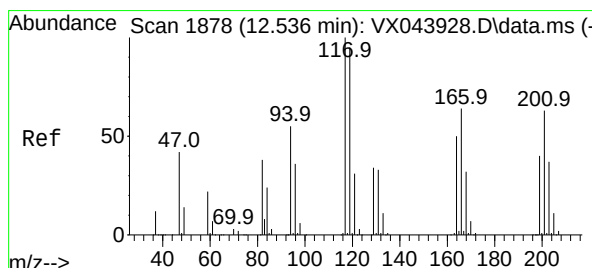
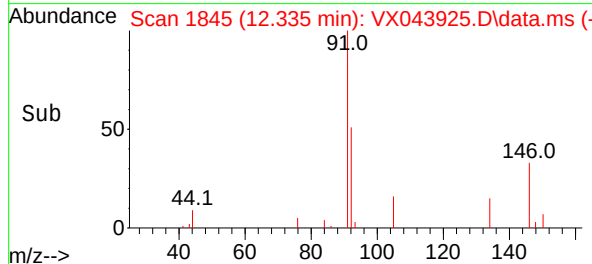
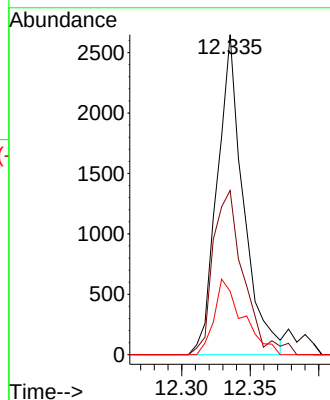
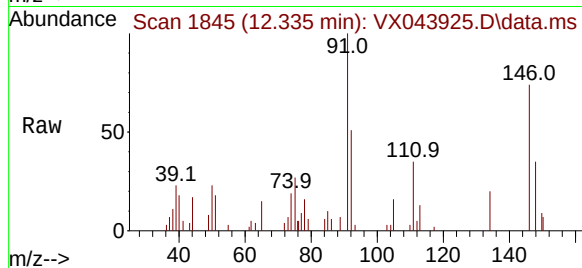
Tgt Ion: 91	Resp: 352
Ion Ratio	Lower Upper
91	100
92	59.8 26.6 79.8
134	25.8 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 0.848 ug/l

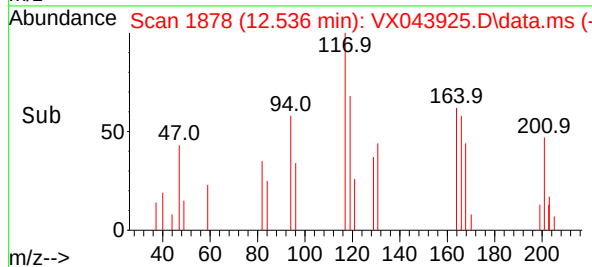
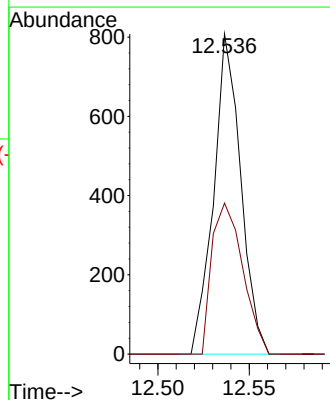
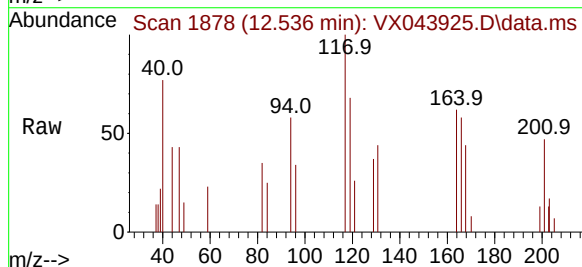
RT: 12.536 min Scan# 1878

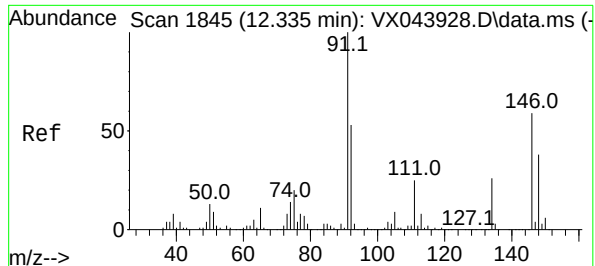
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 117	Resp: 835
Ion Ratio	Lower Upper
117	100
201	53.7 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 0.893 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043925.D

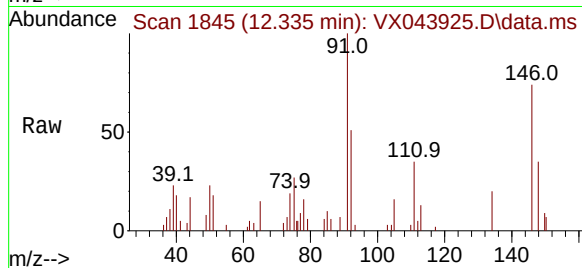
Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

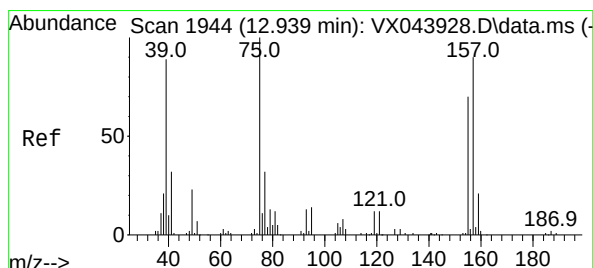
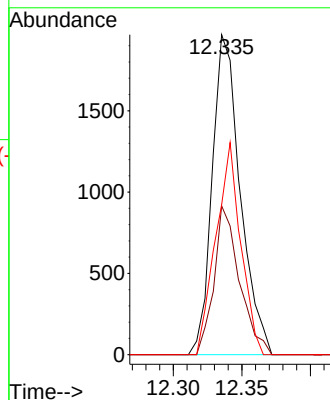
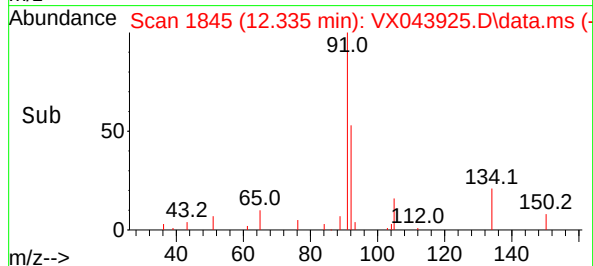
VSTDIC001



Tgt Ion:	146	Resp:	2790
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	58.8	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

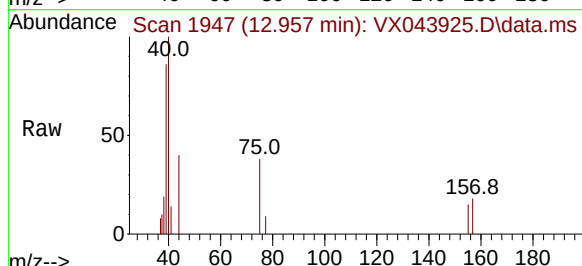
Concen: 0.807 ug/l

RT: 12.957 min Scan# 1947

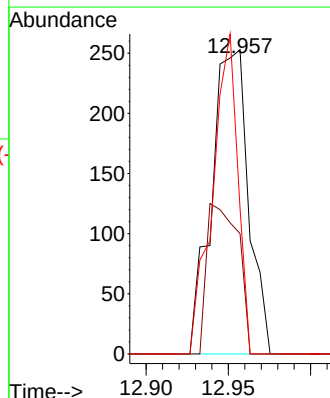
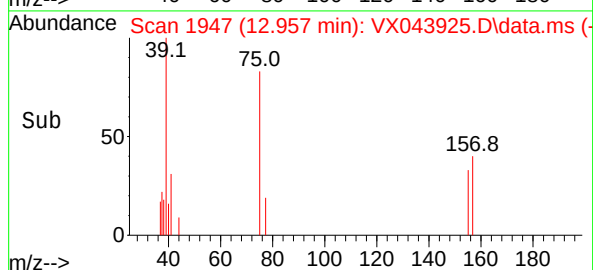
Delta R.T. 0.018 min

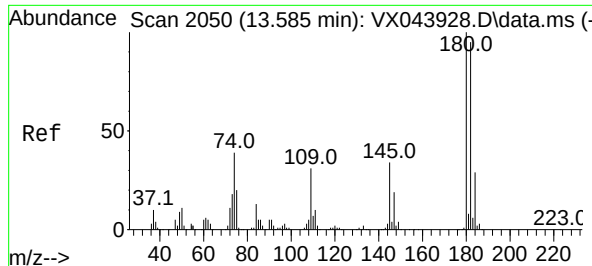
Lab File: VX043925.D

Acq: 21 Nov 2024 09:47



Tgt Ion:	75	Resp:	395
Ion	Ratio	Lower	Upper
75	100		
155	42.0	40.1	120.2
157	71.6	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 0.854 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

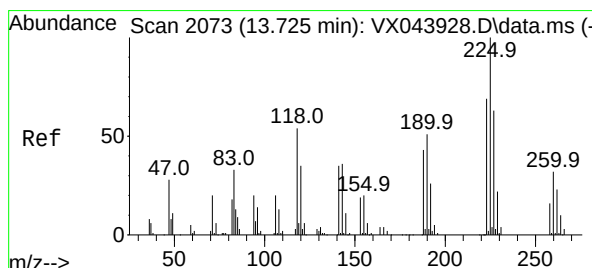
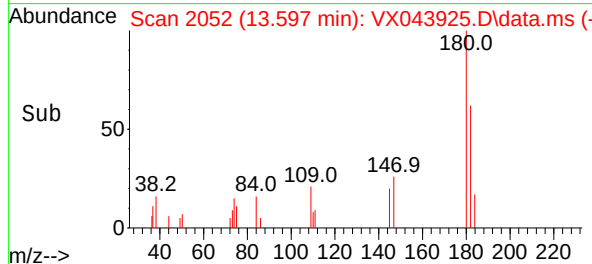
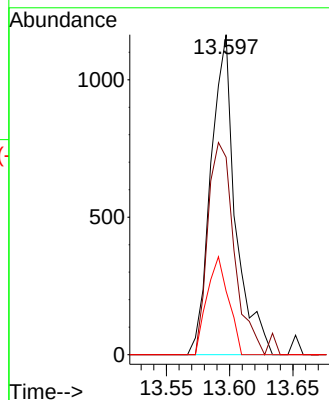
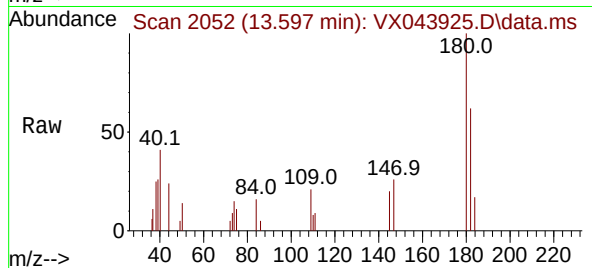
Tgt Ion:	180	Resp:	1570
Ion Ratio	Lower	Upper	
180	100		
182	70.6	48.0	144.2
145	26.6	16.8	50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 0.972 ug/l

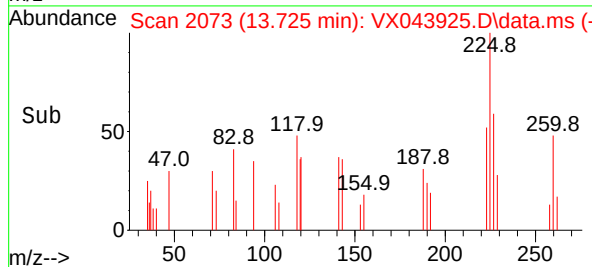
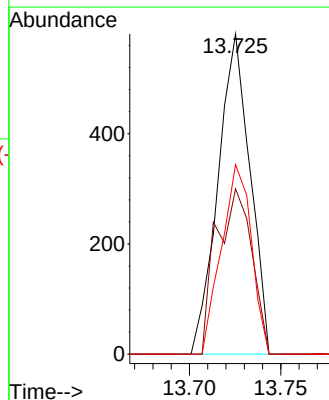
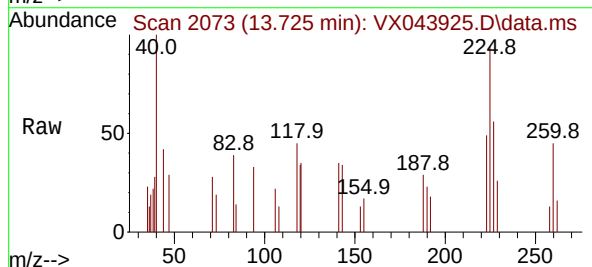
RT: 13.725 min Scan# 2073

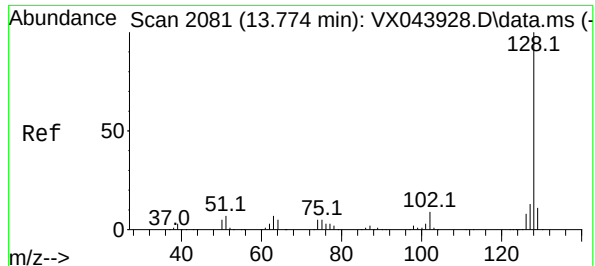
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion:	225	Resp:	709
Ion Ratio	Lower	Upper	
225	100		
223	57.1	32.9	98.6
227	55.3	31.6	94.8





#95

Naphthalene

Concen: 0.728 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

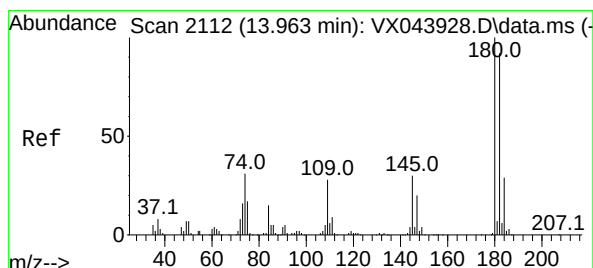
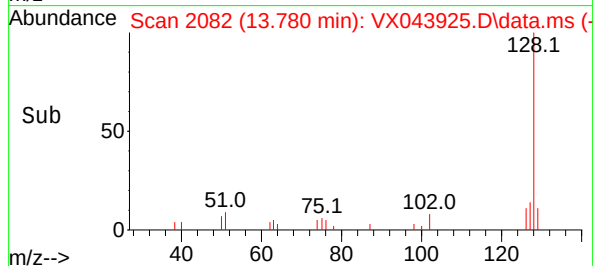
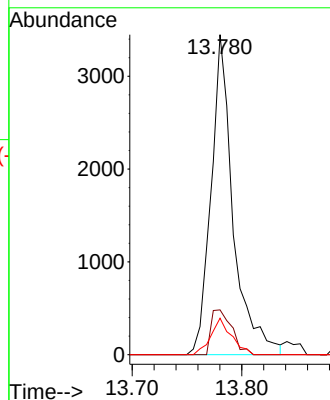
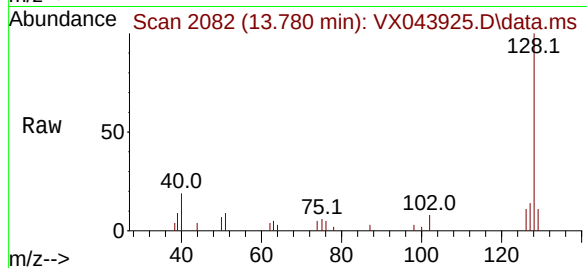
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 0.749 ug/l

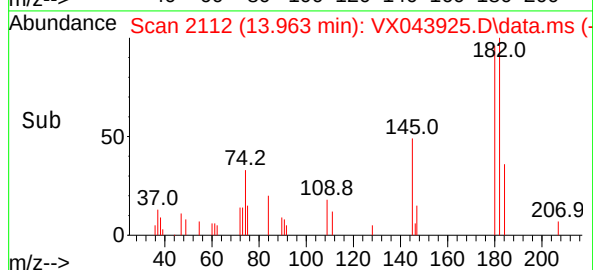
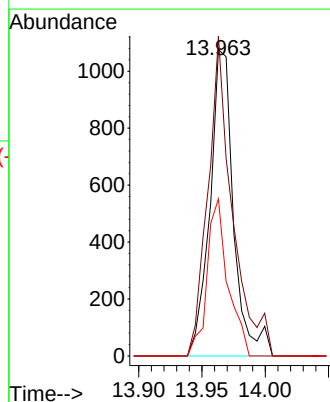
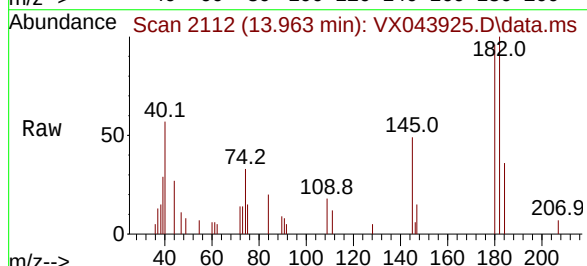
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.8	45.6	136.8
145	45.3	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 22 03:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	150793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96662	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	13961	5.398	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.800%#
35) Dibromofluoromethane	5.379	113	9842	5.198	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.400%#
50) Toluene-d8	8.646	98	35173	5.389	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.780%#
62) 4-Bromofluorobenzene	11.079	95	10618	4.780	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	9.560%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	9545	4.997	ug/l	87
3) Chloromethane	1.294	50	9980	4.965	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.996	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	90
6) Chloroethane	1.666	64	6474	4.969	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.996	ug/l	91
8) Diethyl Ether	2.129	74	6480	4.651	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.839	ug/l	98
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	98
11) Tert butyl alcohol	2.995	59	9278m	22.349	ug/l	
12) 1,1-Dichloroethene	2.306	96	7987	4.597	ug/l	87
13) Acrolein	2.239	56	11940	27.287	ug/l	97
14) Allyl chloride	2.654	41	12874	4.534	ug/l	96
15) Acrylonitrile	3.062	53	24290	24.010	ug/l	99
16) Acetone	2.385	43	29886	25.159	ug/l	95
17) Carbon Disulfide	2.495	76	14415	4.022	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.745	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	30022	4.759	ug/l #	88
20) Methylene Chloride	2.782	84	9895	4.909	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.730	ug/l #	80
22) Diisopropyl ether	3.757	45	29102	4.794	ug/l #	65
23) Vinyl Acetate	3.721	43	116242	22.382	ug/l	100
24) 1,1-Dichloroethane	3.599	63	16857	4.813	ug/l	98
25) 2-Butanone	4.568	43	36680	23.931	ug/l	96
26) 2,2-Dichloropropane	4.458	77	15040	4.755	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	10153	4.579	ug/l	96
28) Bromochloromethane	4.891	49	9210	5.974	ug/l	100
29) Tetrahydrofuran	5.007	42	23518	25.028	ug/l	96
30) Chloroform	5.086	83	18661	4.954	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	15162	4.667	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11406	4.834	ug/l	97
37) Ethyl Acetate	4.720	43	14551m	4.968	ug/l	
38) Carbon Tetrachloride	5.665	117	12348	4.658	ug/l	97
39) Methylcyclohexane	7.372	83	14721	4.803	ug/l	95
40) Benzene	6.031	78	36283	4.937	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 22 03:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.907	ug/l #	95
42) 1,2-Dichloroethane	6.080	62	14467	4.901	ug/l	99
43) Isopropyl Acetate	6.348	43	22267	4.777	ug/l	99
44) Trichloroethene	7.128	130	9852	4.736	ug/l	92
45) 1,2-Dichloropropane	7.427	63	8525	4.736	ug/l	91
46) Dibromomethane	7.586	93	6372	4.475	ug/l	93
47) Bromodichloromethane	7.823	83	11249	4.405	ug/l	96
48) Methyl methacrylate	7.695	41	10190	4.556	ug/l	95
49) 1,4-Dioxane	7.677	88	4090m	106.070	ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	69843	24.556	ug/l	97
52) Toluene	8.714	92	22218	5.051	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	10937	4.200	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	12253	4.292	ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	9000	4.957	ug/l	94
56) Ethyl methacrylate	9.116	69	12381	4.378	ug/l	96
57) 1,3-Dichloropropane	9.311	76	15211	4.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	27.673	ug/l	100
59) 2-Hexanone	9.433	43	52072	24.357	ug/l	100
60) Dibromochloromethane	9.518	129	7738	4.247	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8985	4.894	ug/l	98
64) Tetrachloroethene	9.274	164	7642	5.185	ug/l	93
65) Chlorobenzene	10.079	112	24792	5.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.661	ug/l	96
67) Ethyl Benzene	10.195	91	40927	4.920	ug/l	95
68) m/p-Xylenes	10.305	106	29635	9.553	ug/l	99
69) o-Xylene	10.640	106	14856	4.905	ug/l	98
70) Styrene	10.658	104	22907	4.573	ug/l	97
71) Bromoform	10.799	173	4476	5.004	ug/l #	99
73) Isopropylbenzene	10.957	105	37958	5.109	ug/l	99
74) N-amyl acetate	10.841	43	15928	4.627	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	5.152	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	12040m	5.776	ug/l	
77) Bromobenzene	11.195	156	9259	5.224	ug/l	97
78) n-propylbenzene	11.305	91	39774	4.793	ug/l	98
79) 2-Chlorotoluene	11.366	91	26740	5.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.926	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707	ug/l #	77
82) 4-Chlorotoluene	11.451	91	29049	4.903	ug/l	96
83) tert-Butylbenzene	11.713	119	29934	4.940	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	30674	5.040	ug/l	97
85) sec-Butylbenzene	11.890	105	37899	5.105	ug/l	96
86) p-Isopropyltoluene	12.006	119	29412	4.878	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	16008	4.959	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.831	ug/l	89
89) n-Butylbenzene	12.335	91	24938	4.691	ug/l	99
90) Hexachloroethane	12.536	117	4279	4.173	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	16747	5.140	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.814	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.553	ug/l	98
94) Hexachlorobutadiene	13.725	225	3713	4.891	ug/l	97
95) Naphthalene	13.774	128	32485	4.698	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.773	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Supervised By :Mahesh Dadoda 11/22/2024

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

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

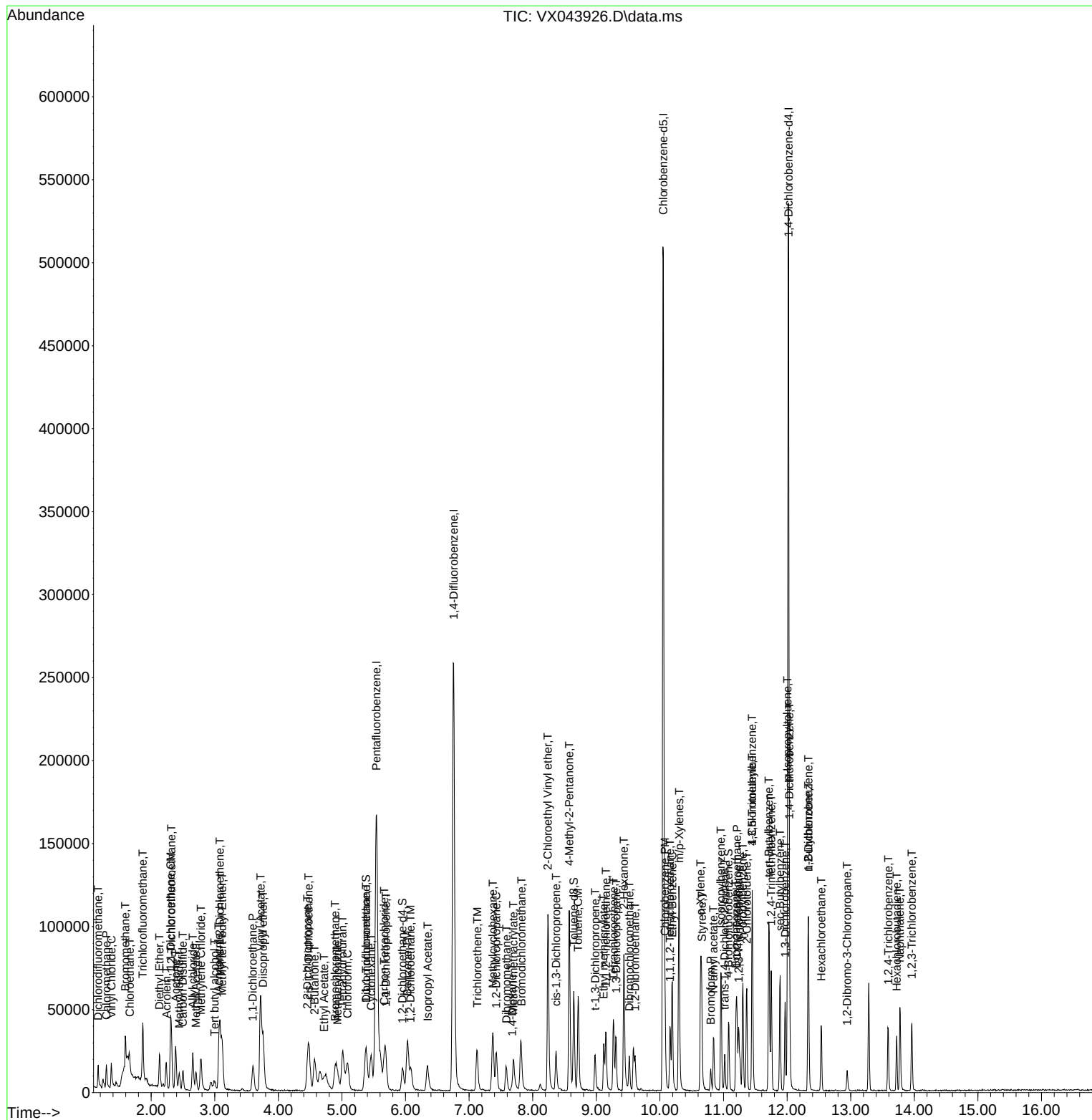
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

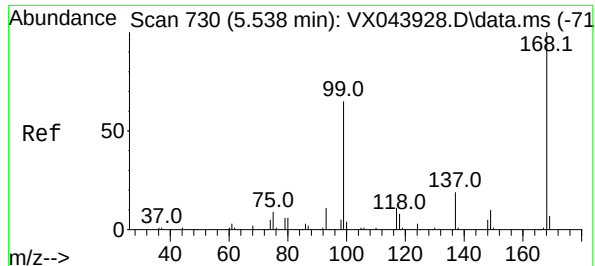
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

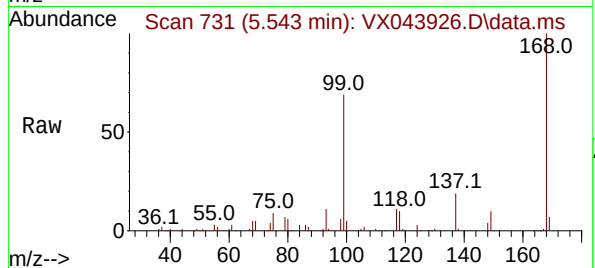
Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 730
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

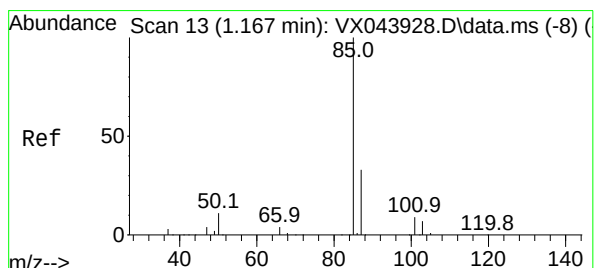
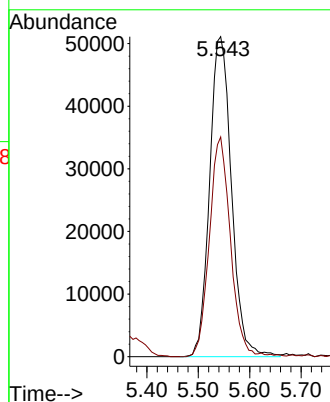
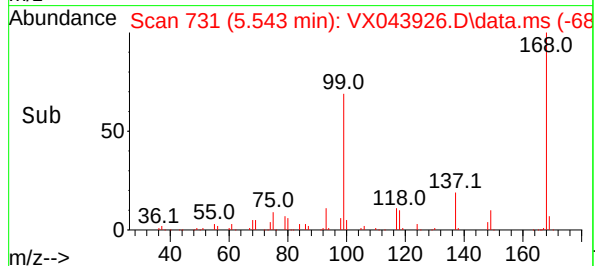
Instrument :
MSVOA_X
Client Sample Id :
VSTDICC005



Tgt Ion: 168 Resp: 15079
Ion Ratio Lower Upper
168 100
99 68.6 51.8 77.8

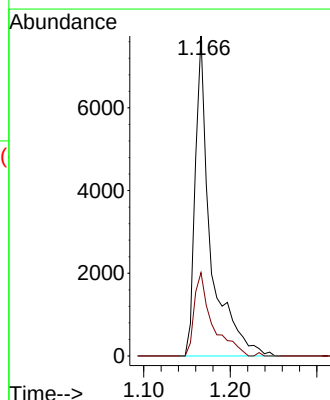
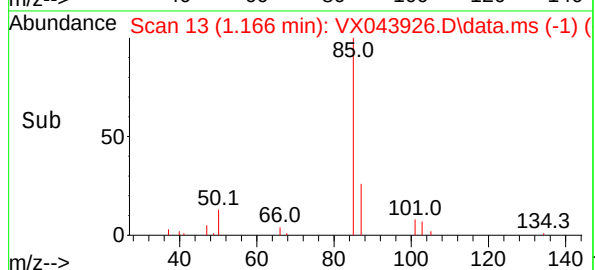
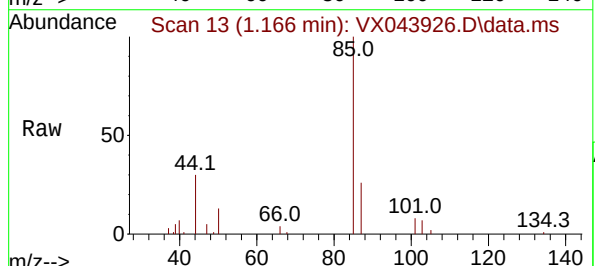
Manual Integrations
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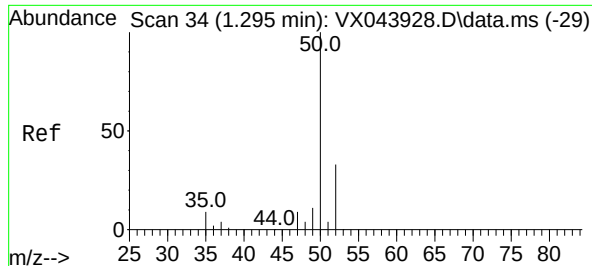
Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545
Ion Ratio Lower Upper
85 100
87 26.0 16.6 49.8





#3

Chloromethane

Concen: 4.965 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 50 Resp: 9980

Ion Ratio Lower Upper

50 100

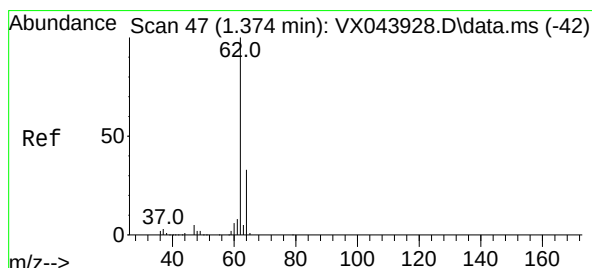
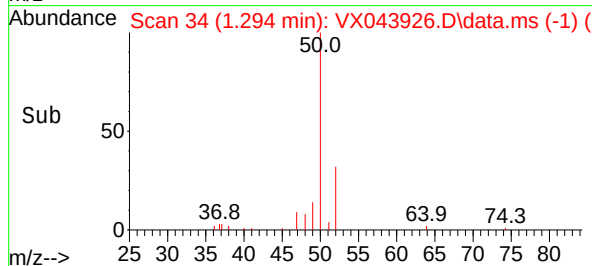
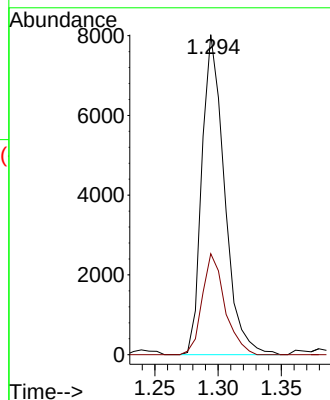
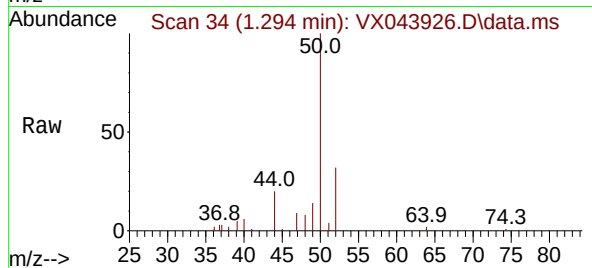
52 31.5 26.1 39.1

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 4.996 ug/l

RT: 1.373 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043926.D

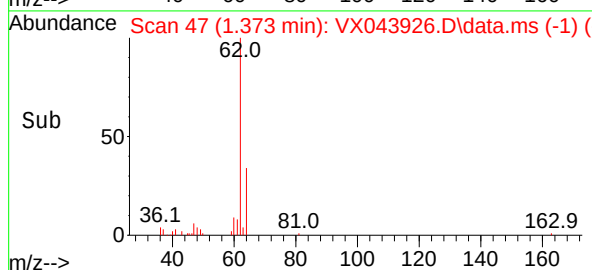
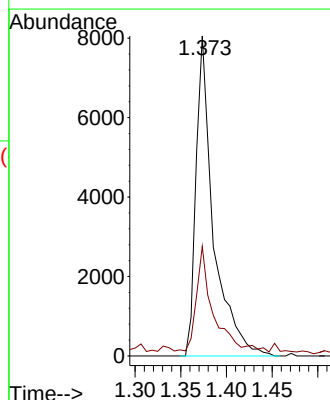
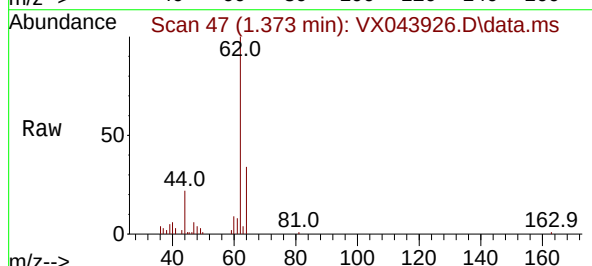
Acq: 21 Nov 2024 10:14

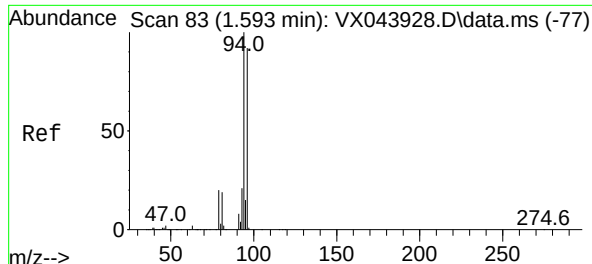
Tgt Ion: 62 Resp: 10682

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 4.877 ug/l

RT: 1.593 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 6415

Ion Ratio Lower Upper

94 100

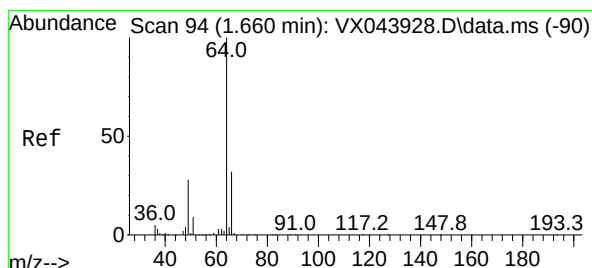
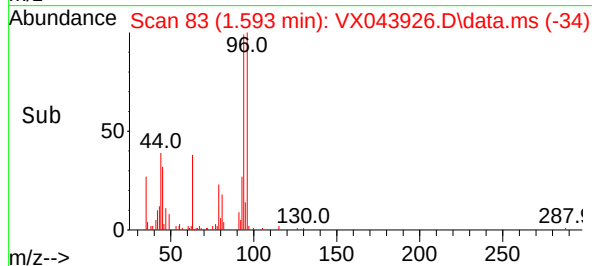
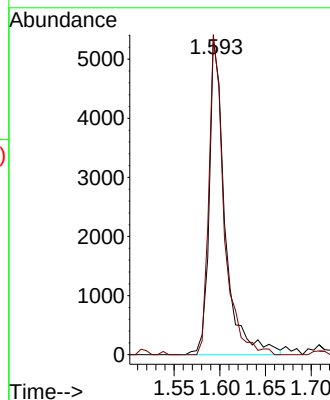
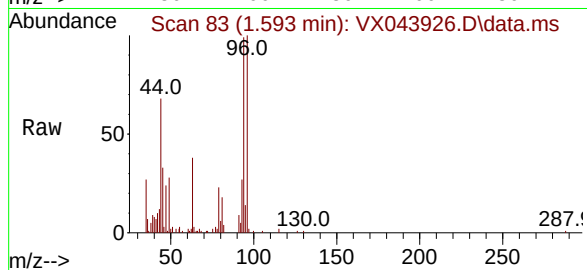
96 101.5 73.9 110.9

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 4.969 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043926.D

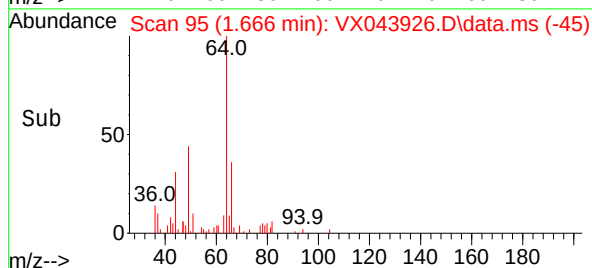
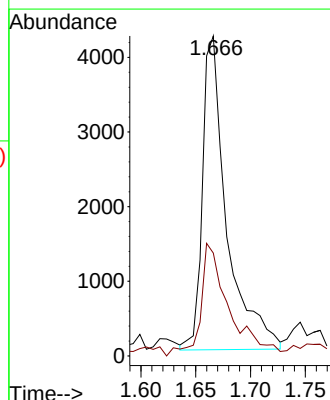
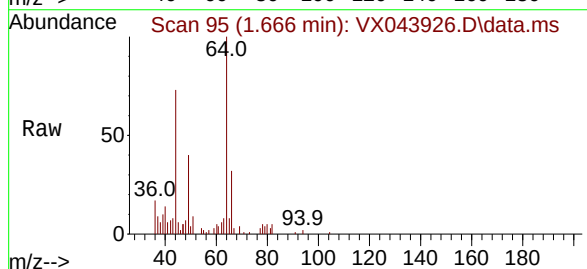
Acq: 21 Nov 2024 10:14

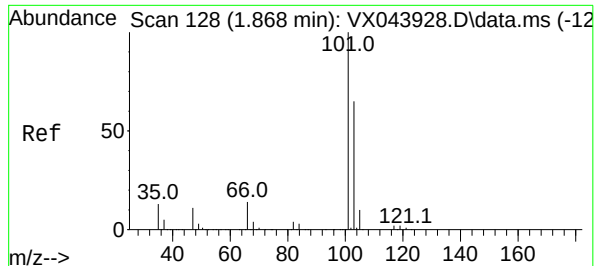
Tgt Ion: 64 Resp: 6474

Ion Ratio Lower Upper

64 100

66 31.8 25.9 38.9





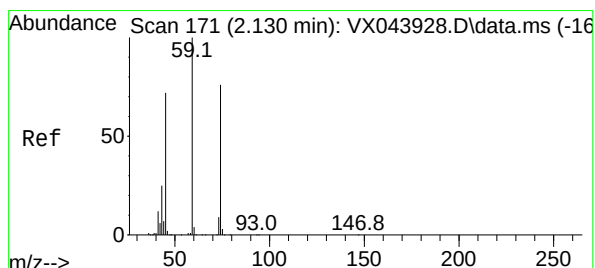
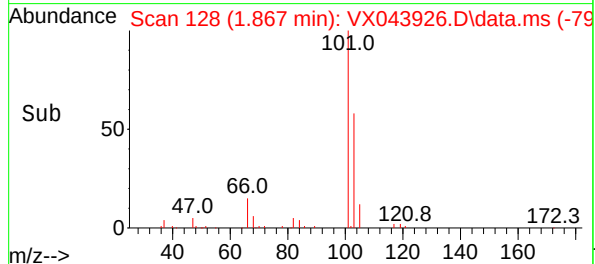
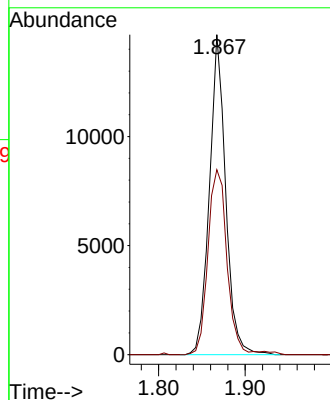
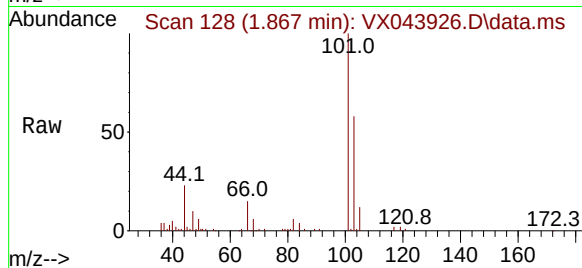
#7
Trichlorofluoromethane
Concen: 4.996 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 1909
Ion Ratio Lower Upper
101 100
103 57.8 52.2 78.2

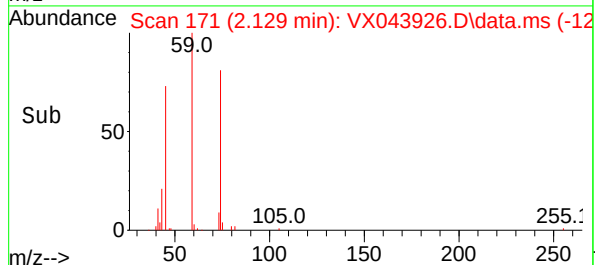
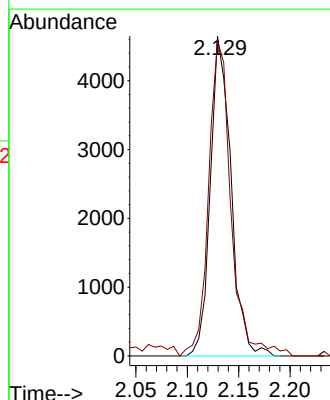
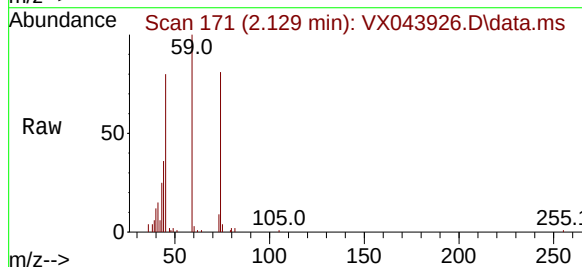
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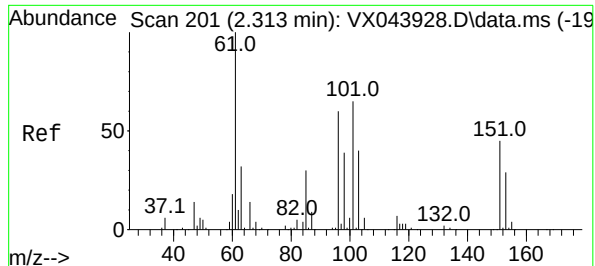
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#8
Diethyl Ether
Concen: 4.651 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480
Ion Ratio Lower Upper
74 100
45 106.9 47.9 143.6





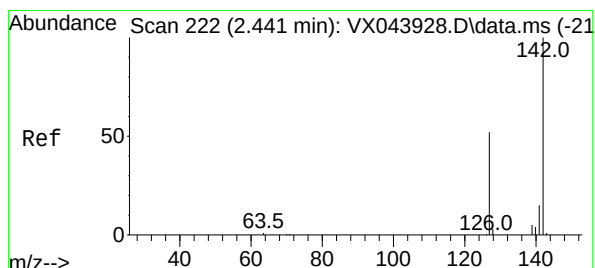
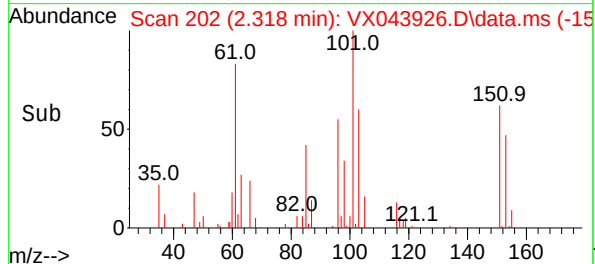
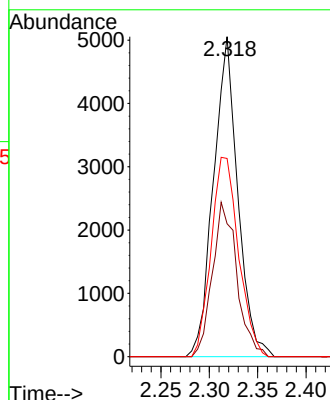
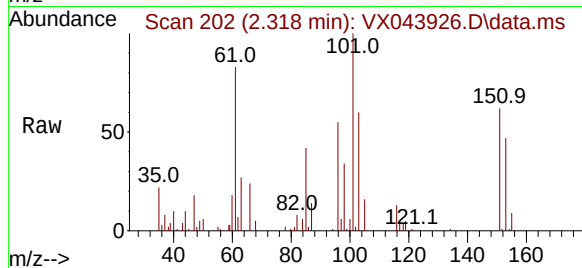
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8824
Ion Ratio Lower Upper
101 100
85 48.4 37.9 56.9
151 70.3 57.5 86.3

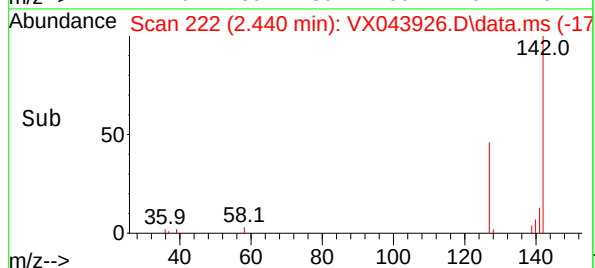
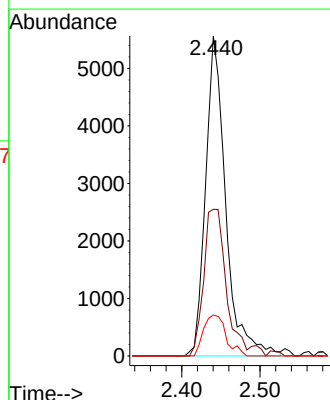
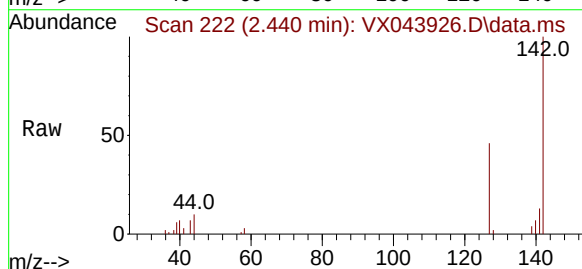
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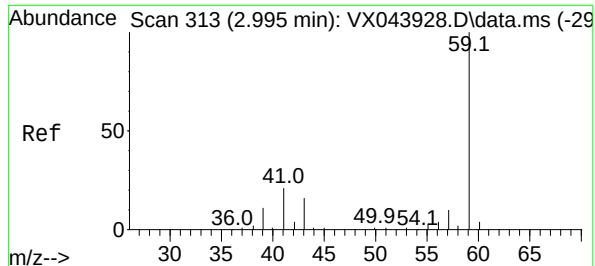
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897
Ion Ratio Lower Upper
142 100
127 52.4 40.7 61.1
141 14.4 12.0 18.0





#11

Tert butyl alcohol

Concen: 22.349 ug/l m

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 9278

Ion Ratio Lower Upper

59 100

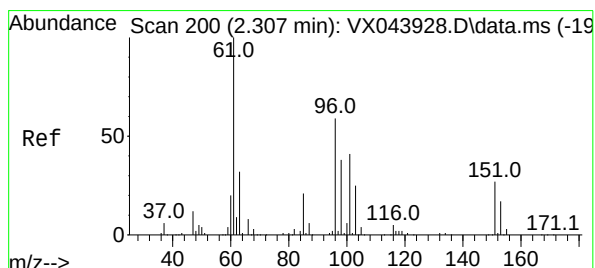
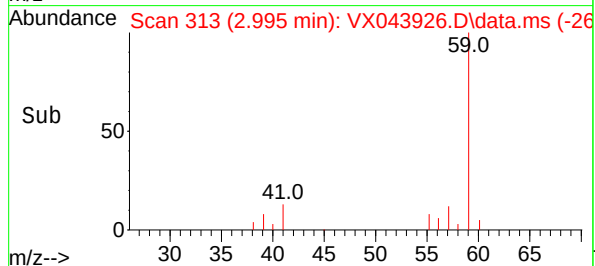
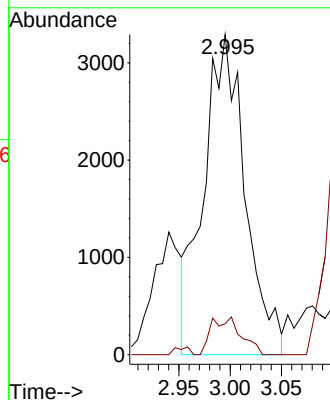
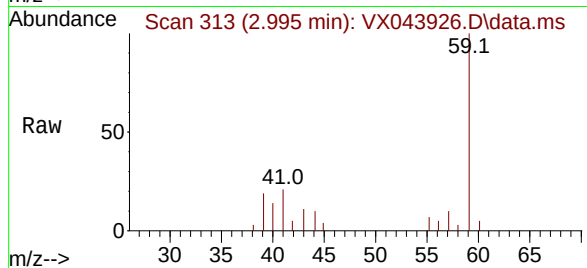
57 8.4 7.9 11.9

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 4.597 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

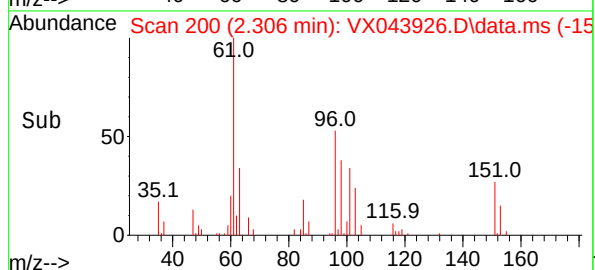
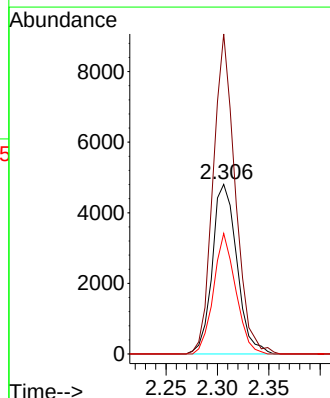
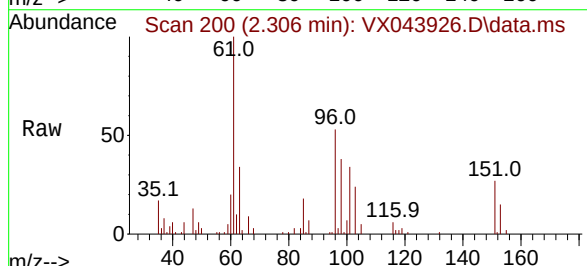
Tgt Ion: 96 Resp: 7987

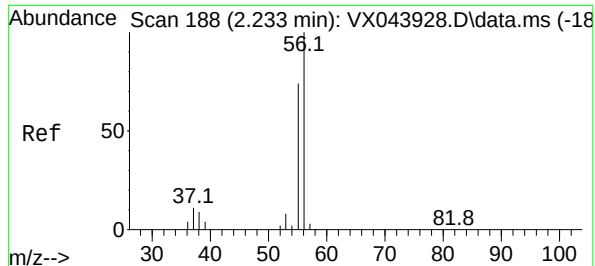
Ion Ratio Lower Upper

96 100

61 188.7 135.5 203.3

98 71.1 50.8 76.2





#13

Acrolein

Concen: 27.287 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 11940

Ion Ratio Lower Upper

56 100

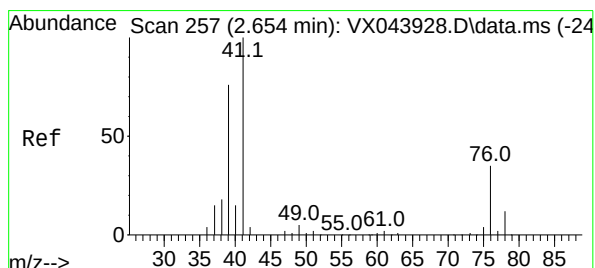
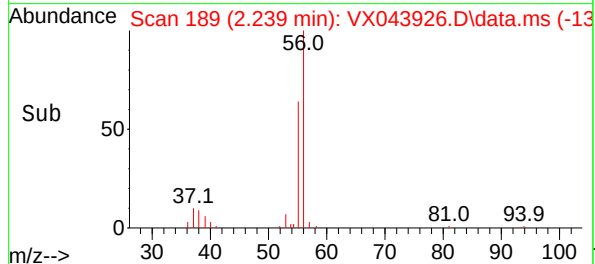
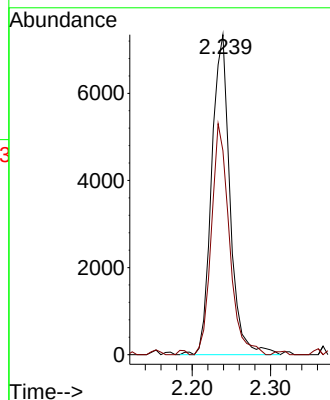
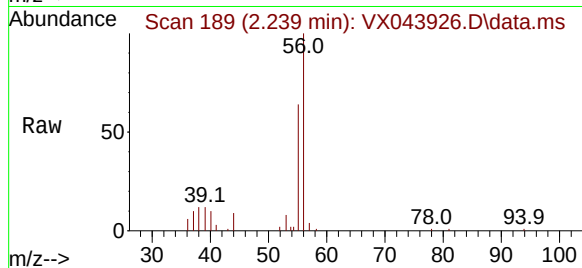
55 70.5 58.2 87.2

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 4.534 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

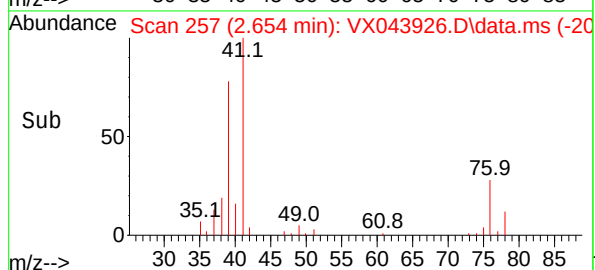
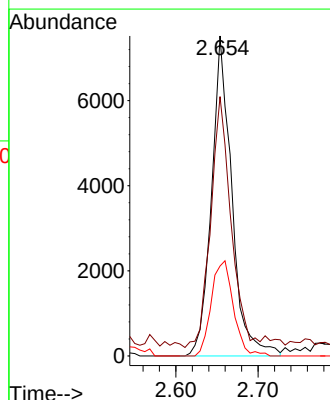
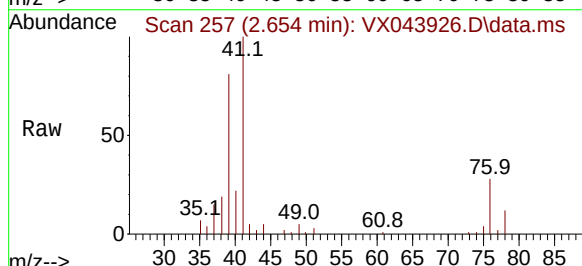
Tgt Ion: 41 Resp: 12874

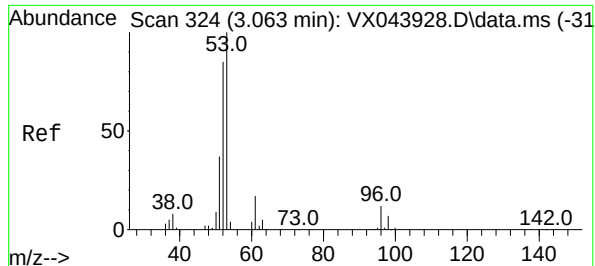
Ion Ratio Lower Upper

41 100

39 78.5 59.5 89.3

76 32.4 27.4 41.2





#15

Acrylonitrile

Concen: 24.010 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

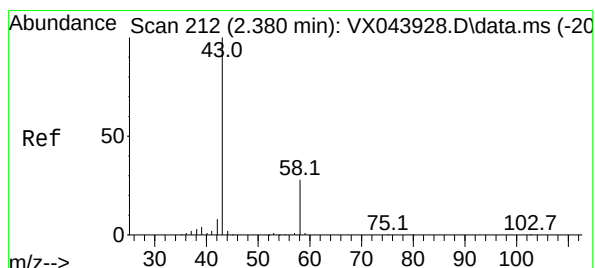
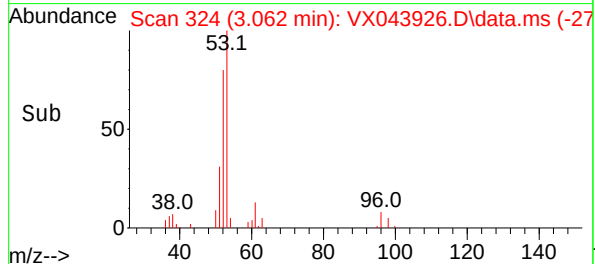
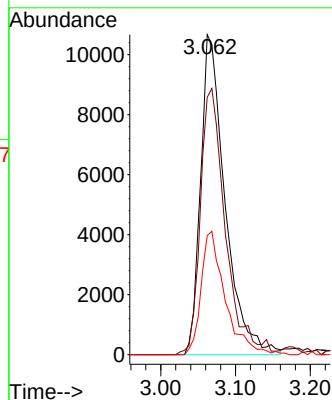
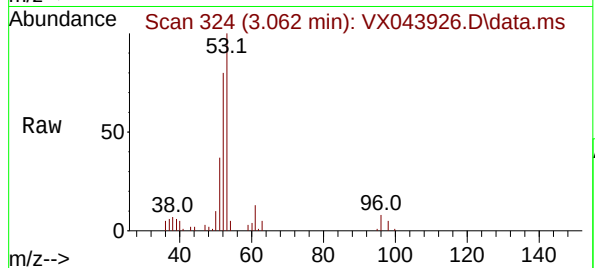
ClientSampleId :

VSTDICC005

Tgt Ion: 53	Resp: 24290
Ion Ratio	Lower Upper
53	100
52	84.7 66.5 99.7
51	38.0 30.2 45.4

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 25.159 ug/l

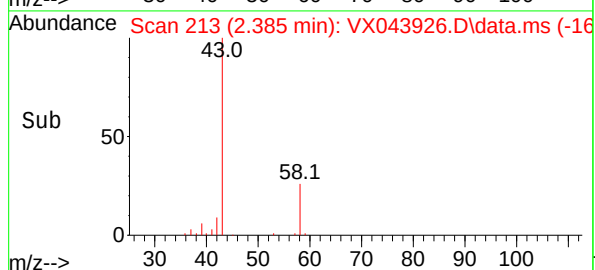
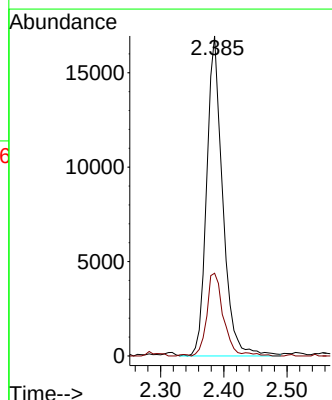
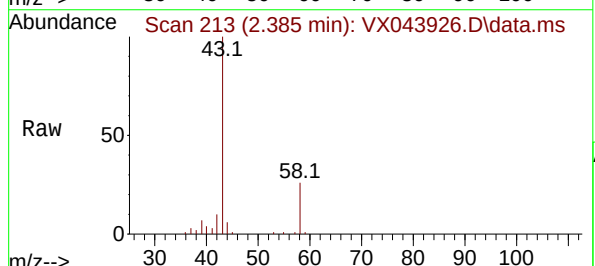
RT: 2.385 min Scan# 213

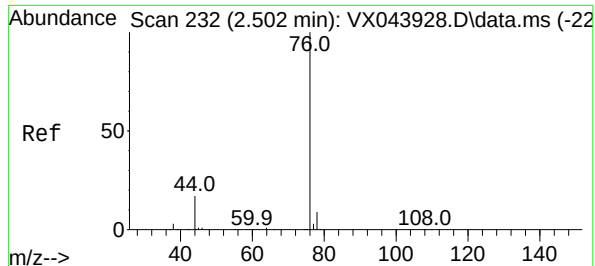
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 43	Resp: 29886
Ion Ratio	Lower Upper
43	100
58	25.9 22.7 34.1





#17

Carbon Disulfide

Concen: 4.022 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.007 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 14415

Ion Ratio Lower Upper

76 100

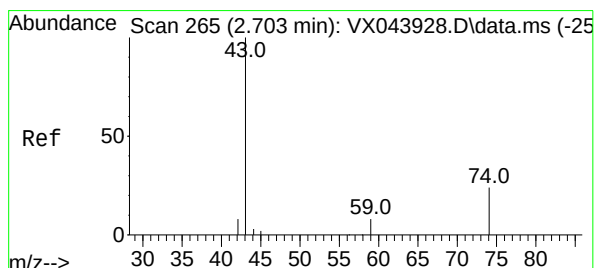
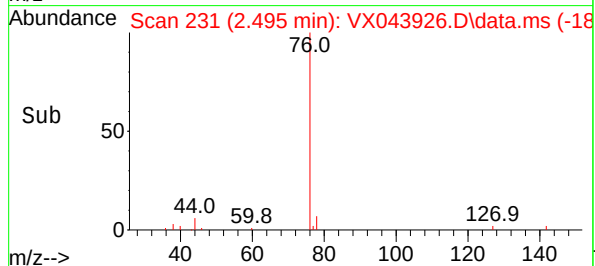
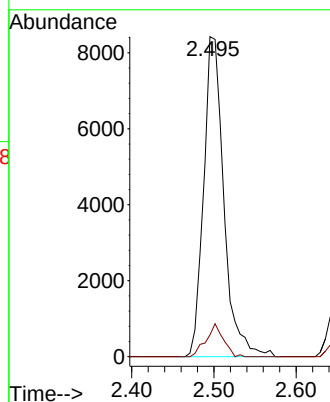
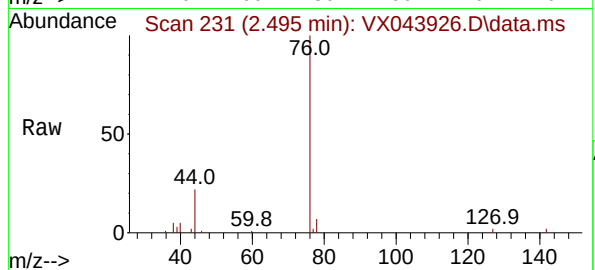
78 6.8 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 4.745 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043926.D

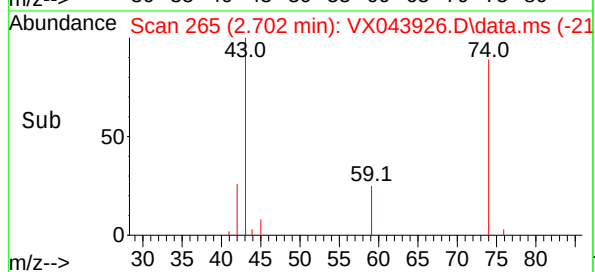
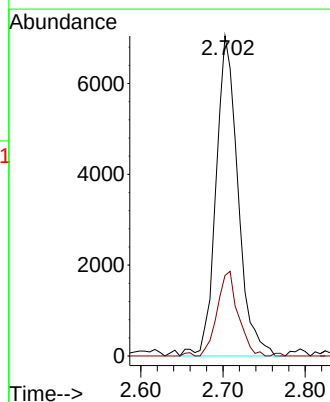
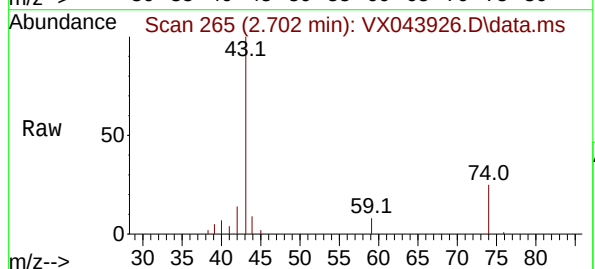
Acq: 21 Nov 2024 10:14

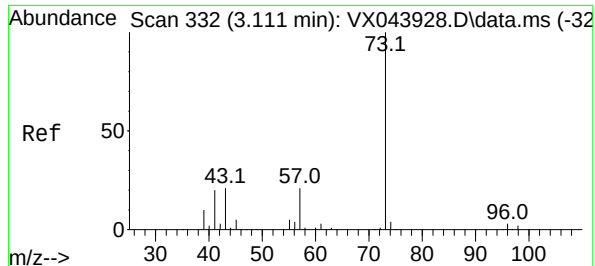
Tgt Ion: 43 Resp: 13127

Ion Ratio Lower Upper

43 100

74 25.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 4.759 ug/l

RT: 3.117 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 3002

Ion Ratio Lower Upper

73 100

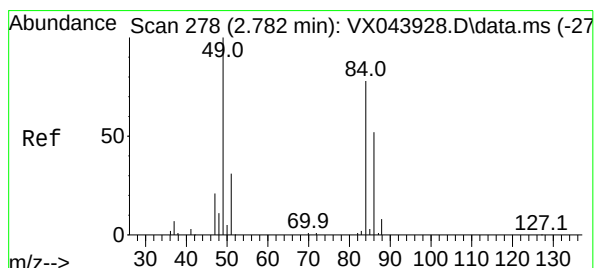
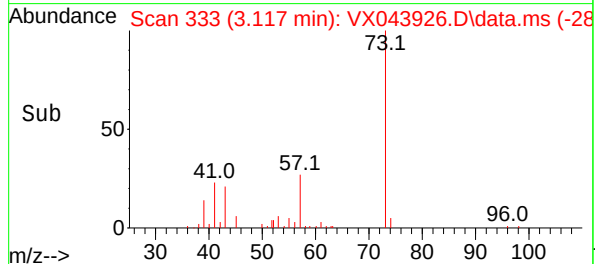
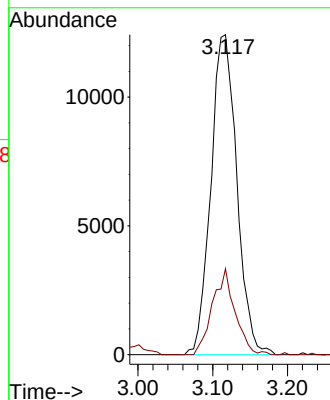
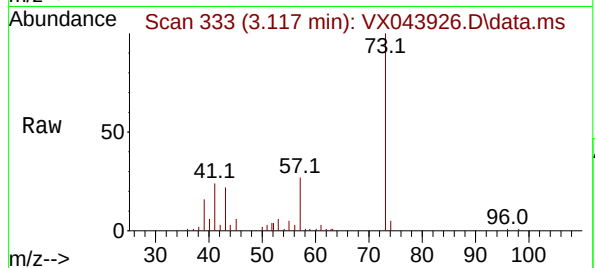
57 26.8 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 4.909 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

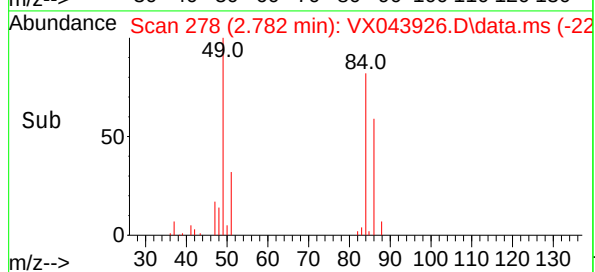
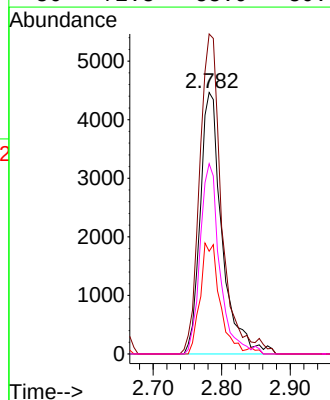
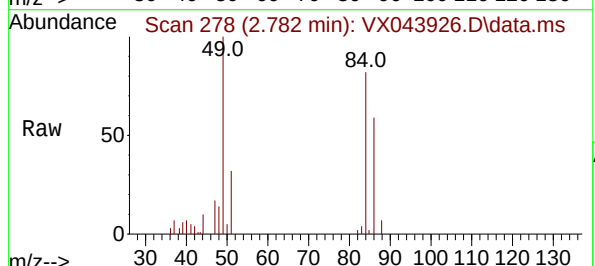
Ion Ratio Lower Upper

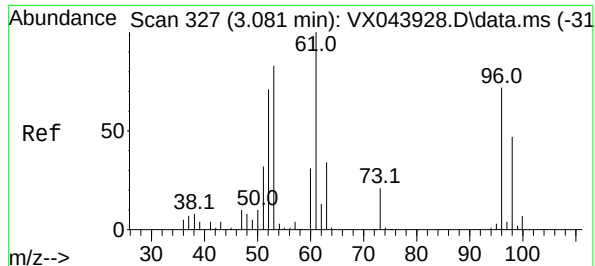
84 100

49 122.4 102.7 154.1

51 39.3 31.7 47.5

86 72.8 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 4.730 ug/l

RT: 3.080 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 96 Resp: 848

Ion Ratio Lower Upper

96 100

61 115.0 111.8 167.6

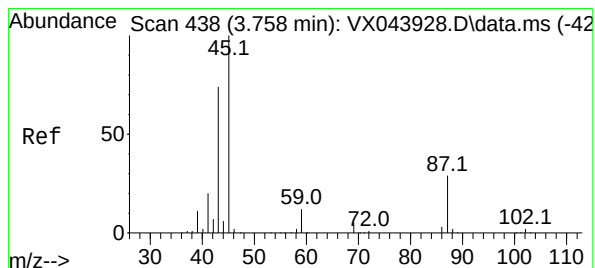
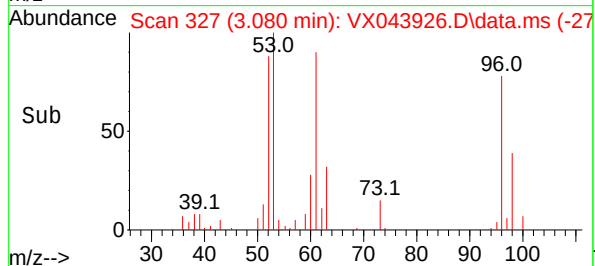
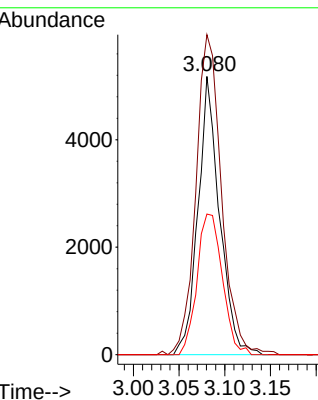
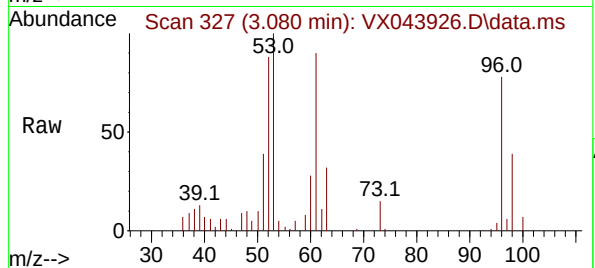
98 50.6 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 4.794 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

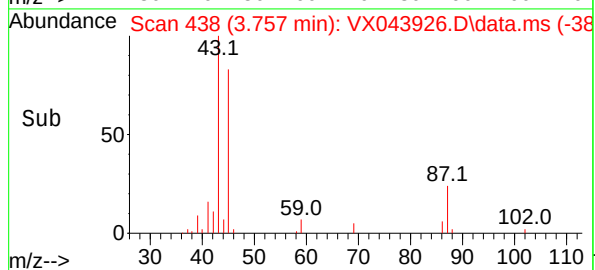
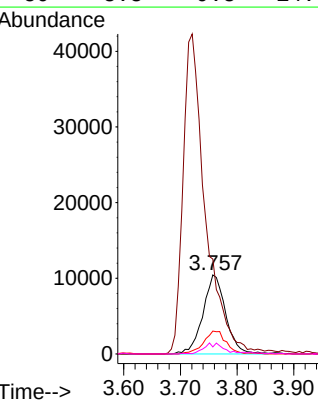
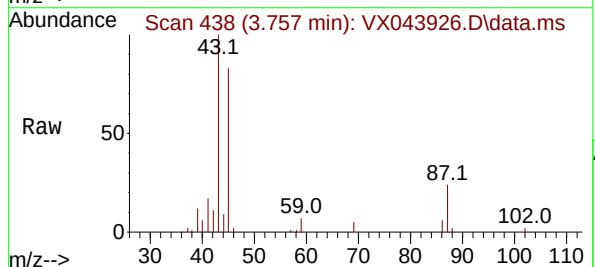
Ion Ratio Lower Upper

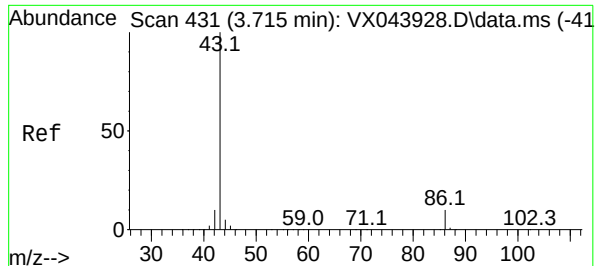
45 100

43 118.7 59.6 89.4#

87 29.0 22.9 34.3

59 8.8 9.8 14.6#





#23

Vinyl Acetate

Concen: 22.382 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 11624

Ion Ratio Lower Upper

43 100

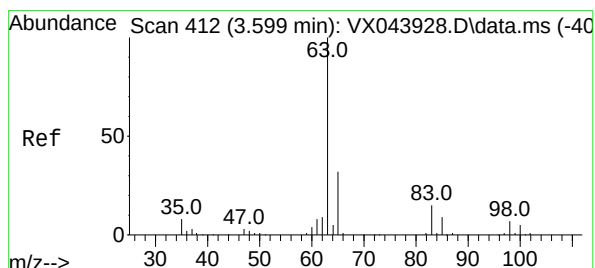
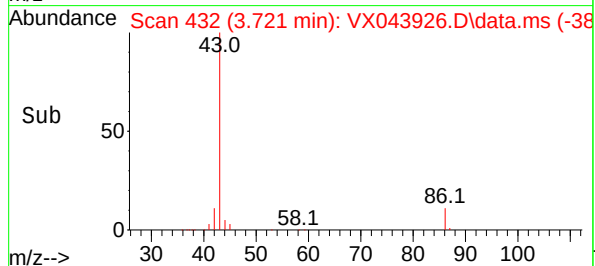
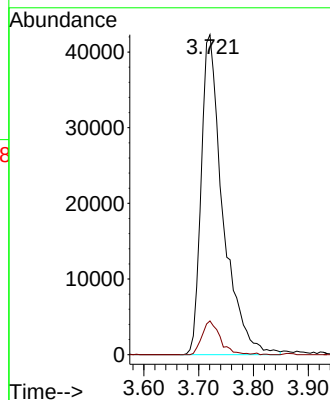
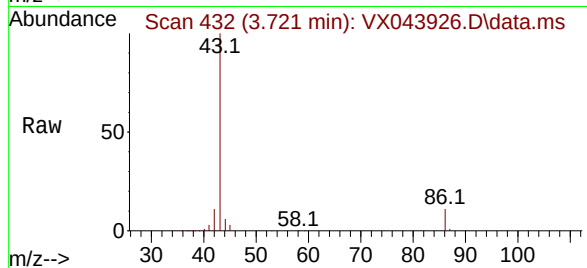
86 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 4.813 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

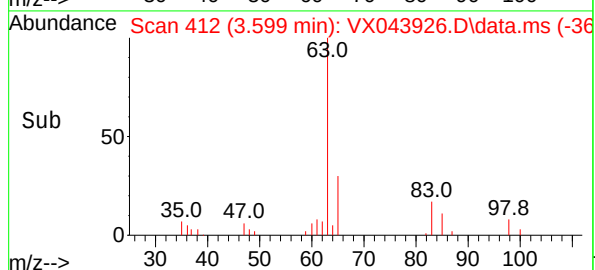
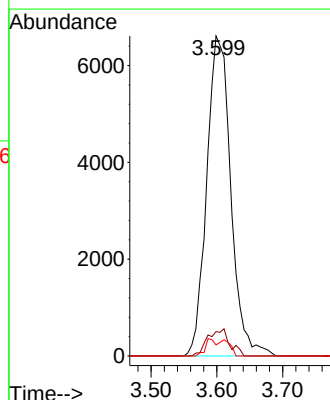
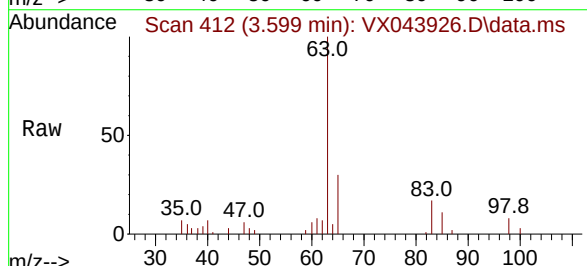
Tgt Ion: 63 Resp: 16857

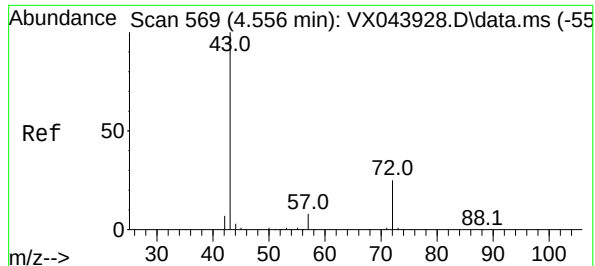
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

100 3.5 2.4 7.1





#25

2-Butanone

Concen: 23.931 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 36680

Ion Ratio Lower Upper

43 100

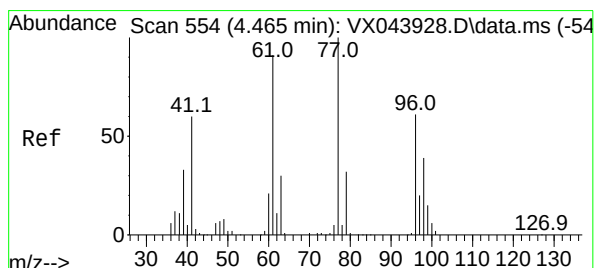
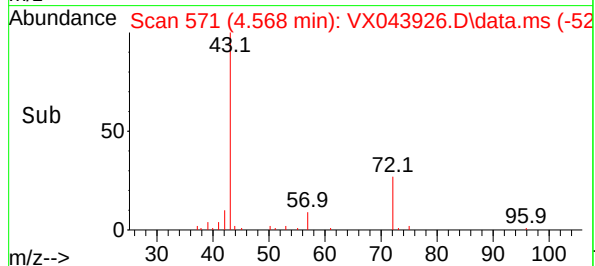
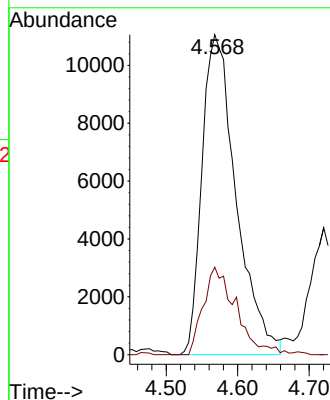
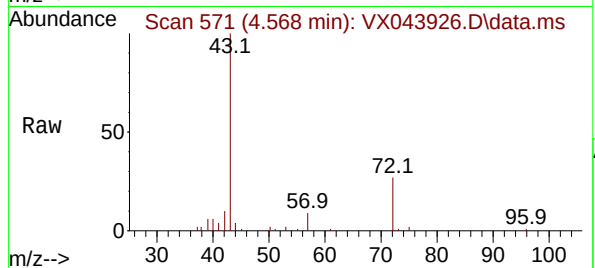
72 27.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 4.755 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.007 min

Lab File: VX043926.D

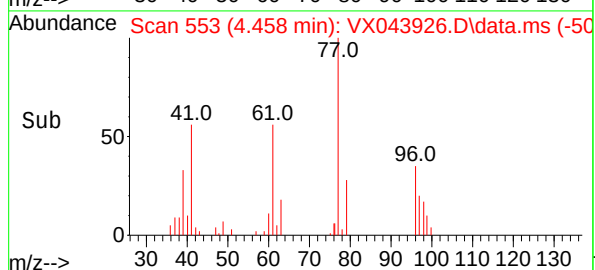
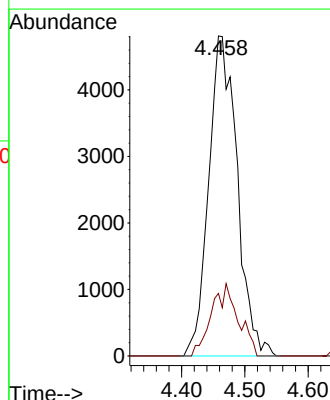
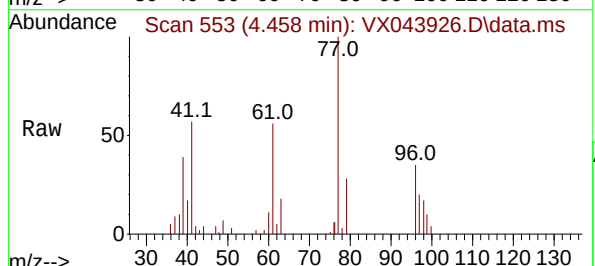
Acq: 21 Nov 2024 10:14

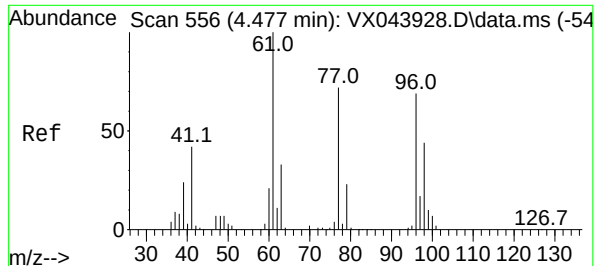
Tgt Ion: 77 Resp: 15040

Ion Ratio Lower Upper

77 100

97 10.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 4.579 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1015

Ion Ratio Lower Upper

96 100

61 155.7 0.0 297.4

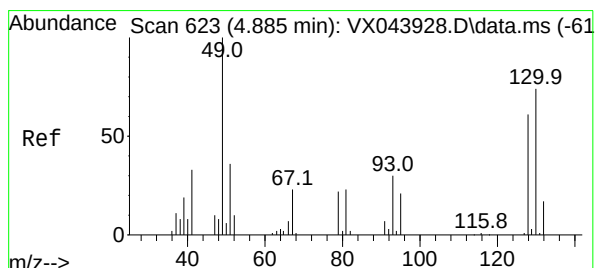
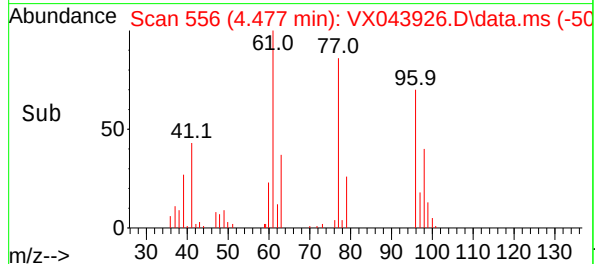
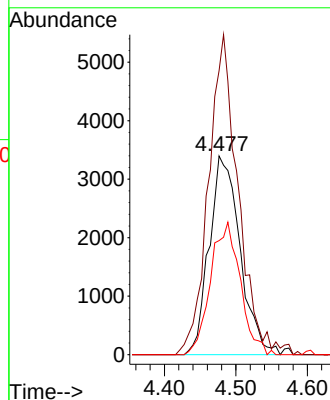
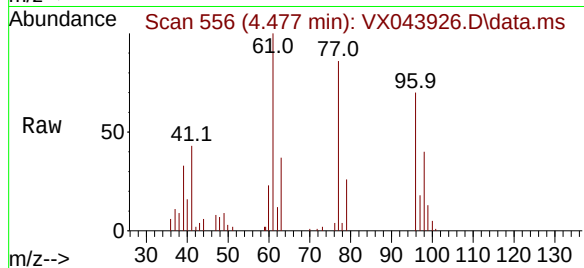
98 64.3 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 5.974 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

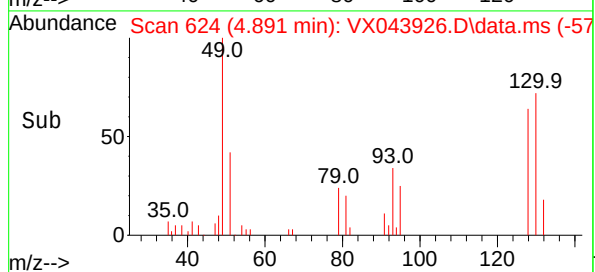
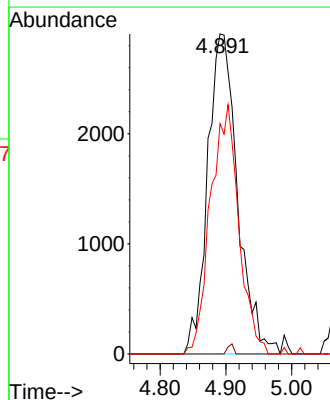
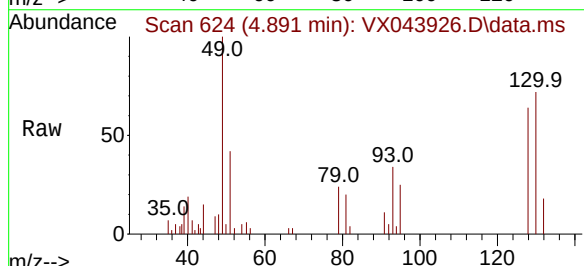
Tgt Ion: 49 Resp: 9210

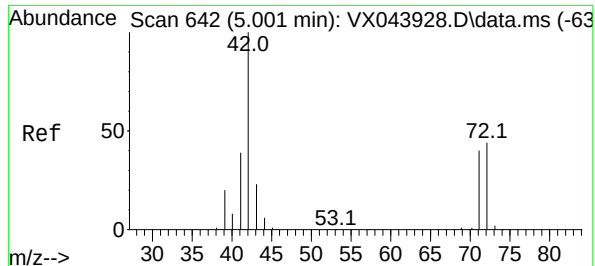
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.0

130 73.5 59.0 88.6





#29

Tetrahydrofuran

Concen: 25.028 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

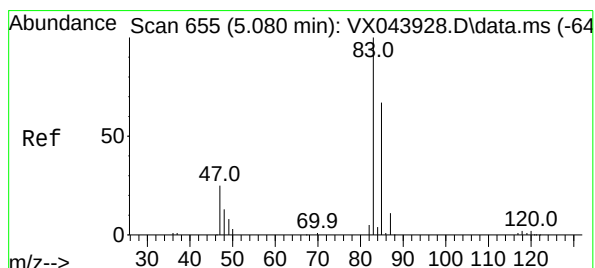
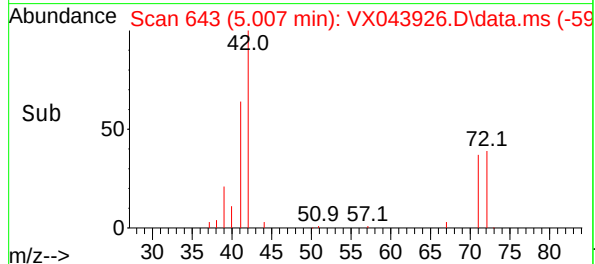
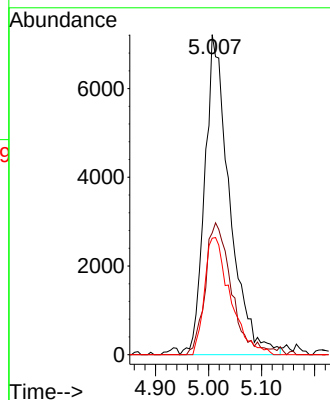
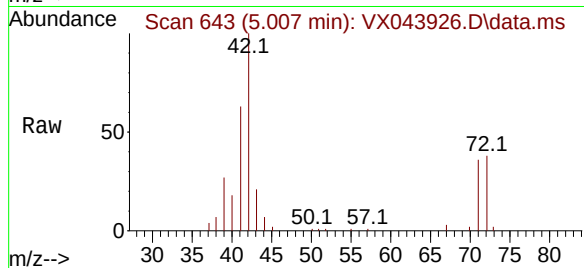
Tgt Ion:	42	Resp:	23518
Ion	Ratio	Lower	Upper
42	100		
72	43.4	36.4	54.6
71	38.1	33.4	50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 4.954 ug/l

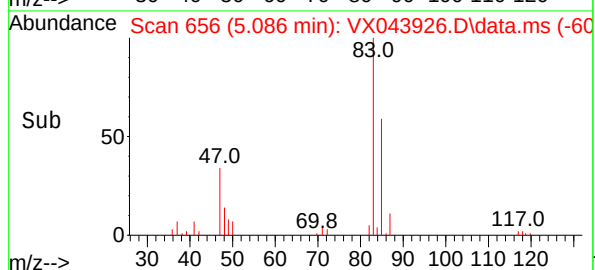
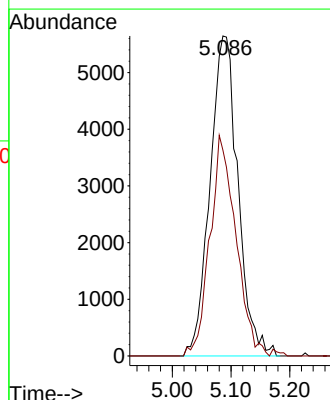
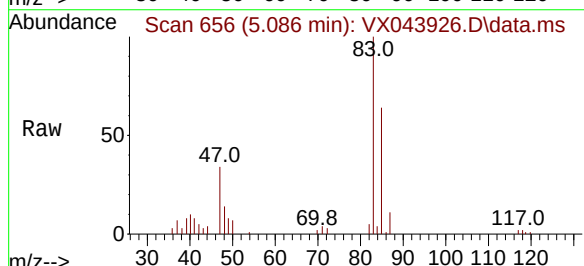
RT: 5.086 min Scan# 656

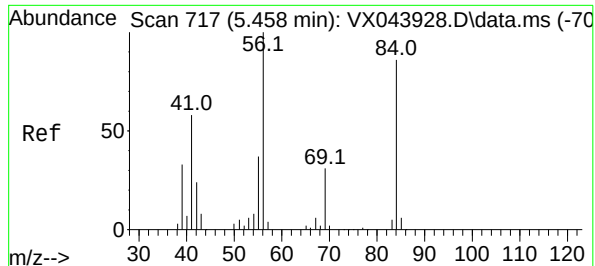
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	83	Resp:	18661
Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.5	80.3





#31

Cyclohexane

Concen: 4.767 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 13740

Ion Ratio Lower Upper

56 100

69 29.5 24.7 37.1

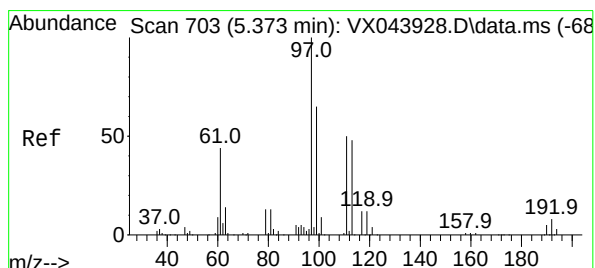
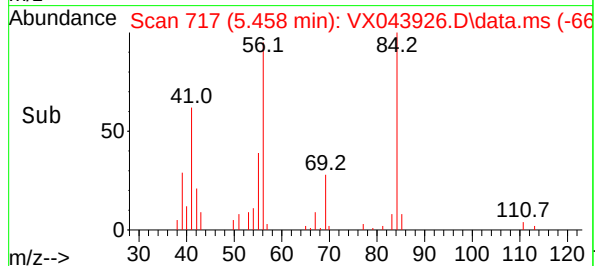
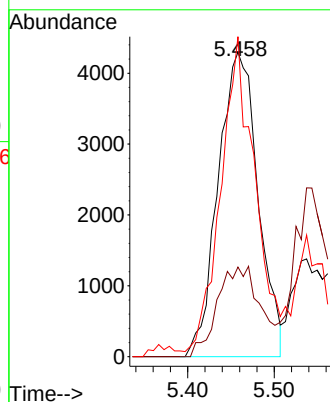
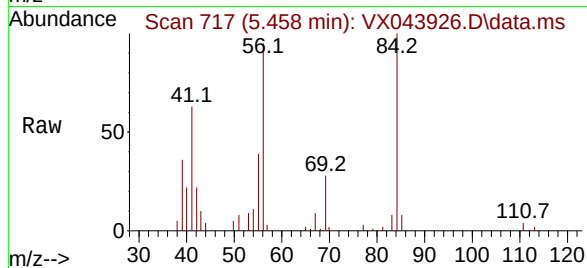
84 103.2 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 4.667 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

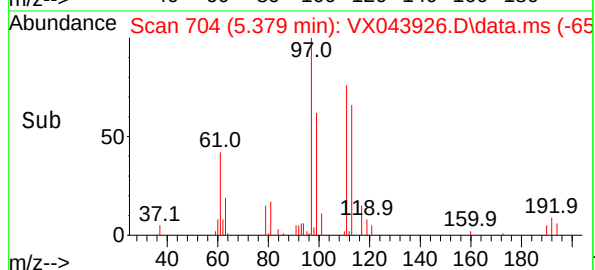
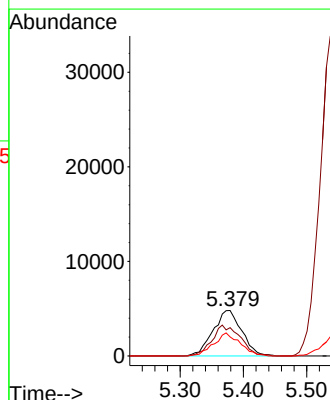
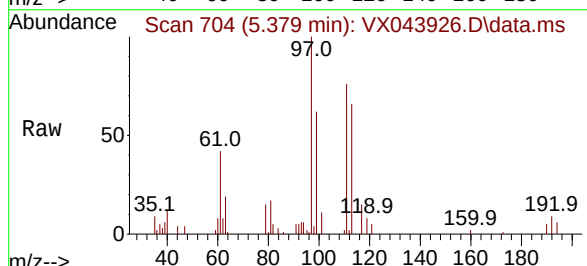
Tgt Ion: 97 Resp: 15162

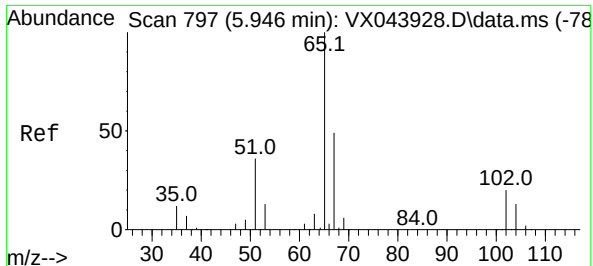
Ion Ratio Lower Upper

97 100

99 66.9 50.8 76.2

61 46.2 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 5.398 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1396

Ion Ratio Lower Upper

65 100

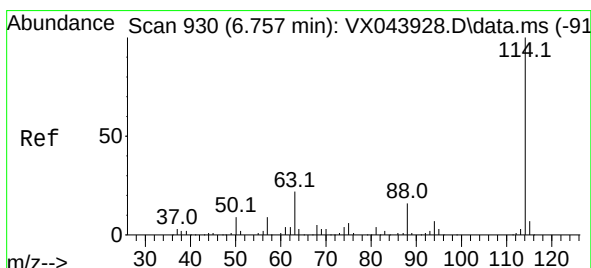
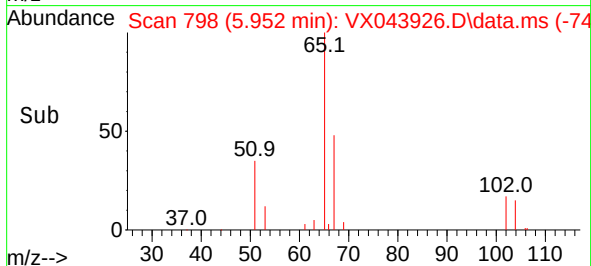
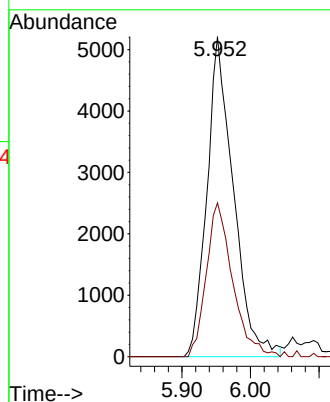
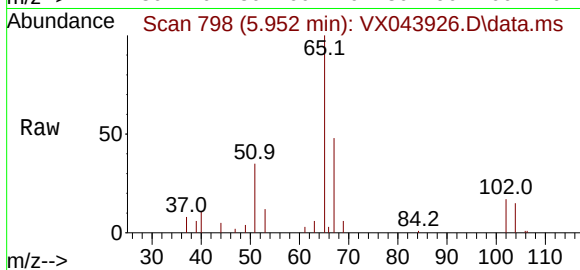
67 47.8 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

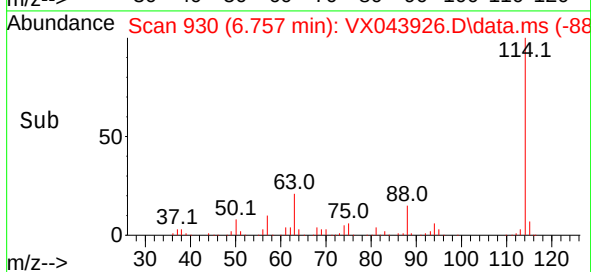
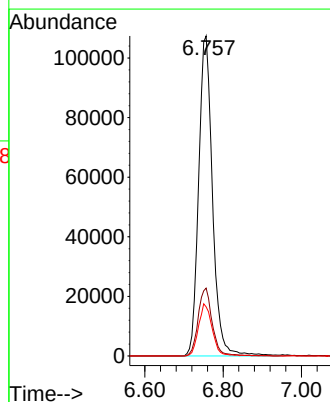
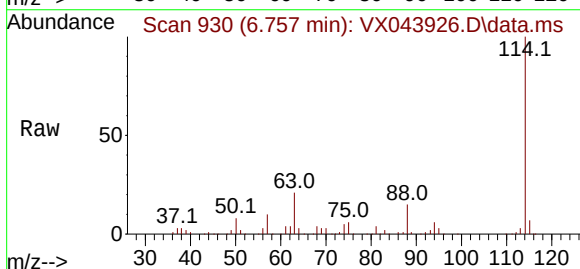
Tgt Ion:114 Resp: 264969

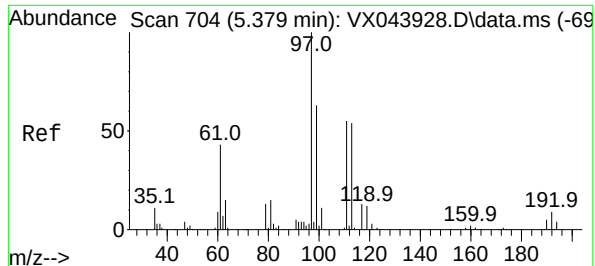
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 5.198 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:113 Resp: 984

Ion Ratio Lower Upper

113 100

111 107.2 81.0 121.4

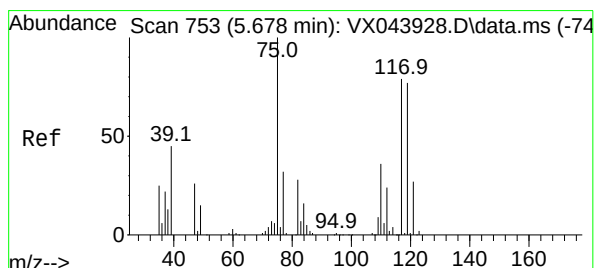
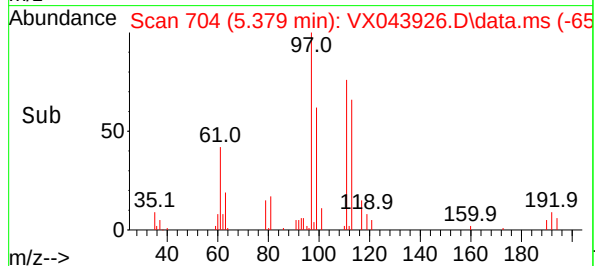
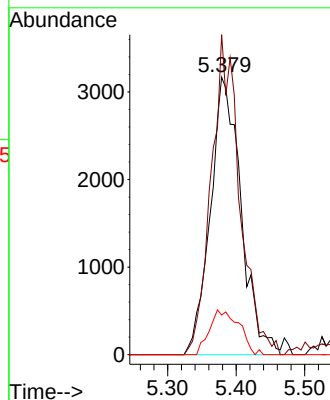
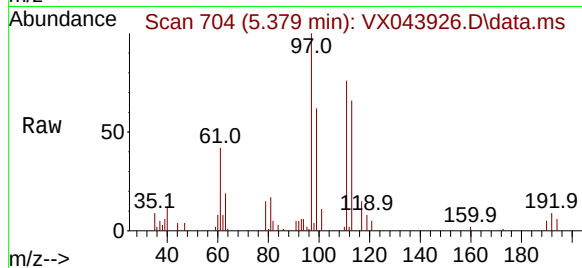
192 15.6 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 4.834 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

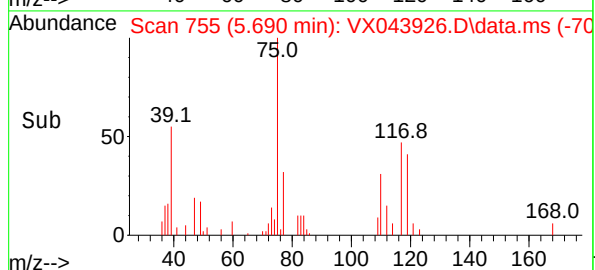
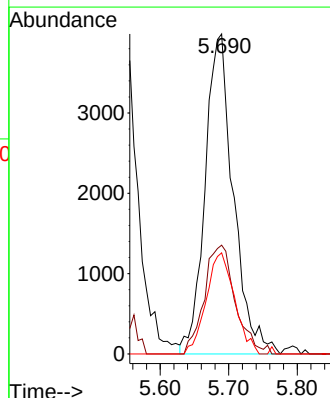
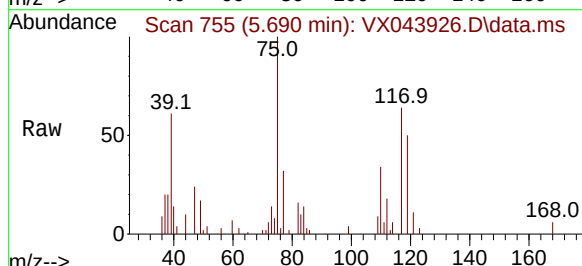
Tgt Ion: 75 Resp: 11406

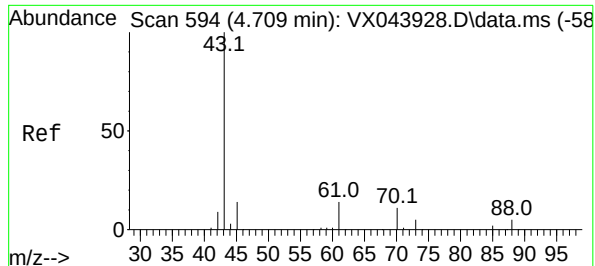
Ion Ratio Lower Upper

75 100

110 37.4 17.4 52.2

77 31.6 25.8 38.8





#37

Ethyl Acetate

Concen: 4.968 ug/l m

RT: 4.720 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

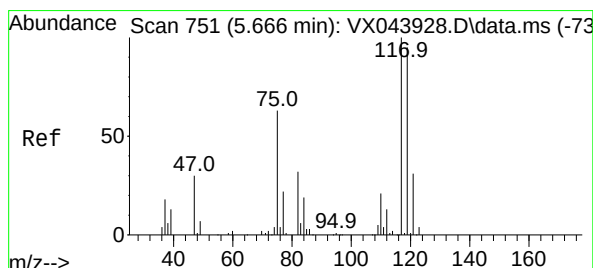
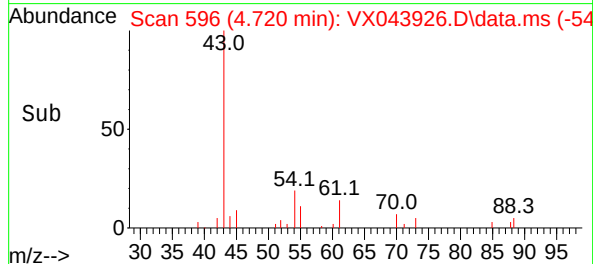
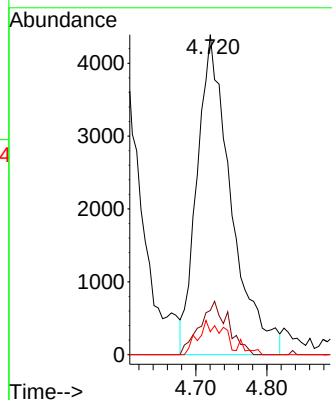
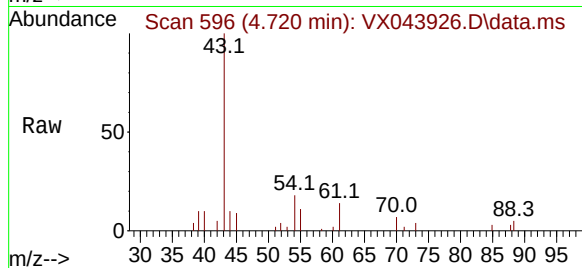
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	1455
Ion Ratio	Lower	Upper	
43	100		
61	14.1	10.7	16.1
70	7.8	8.0	12.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 4.658 ug/l

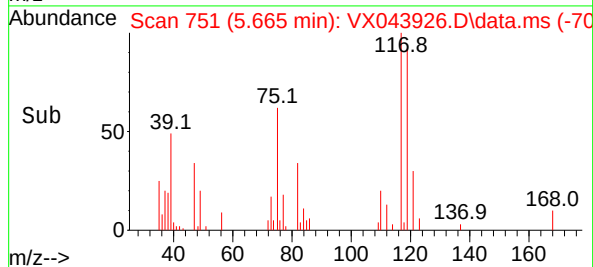
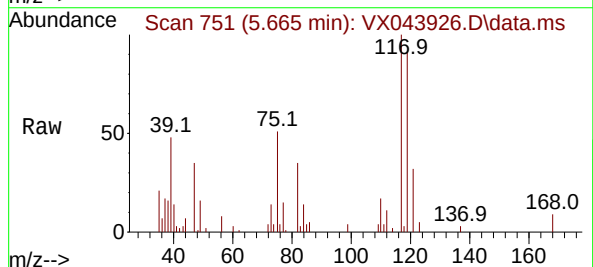
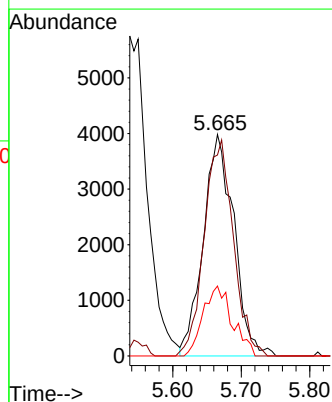
RT: 5.665 min Scan# 751

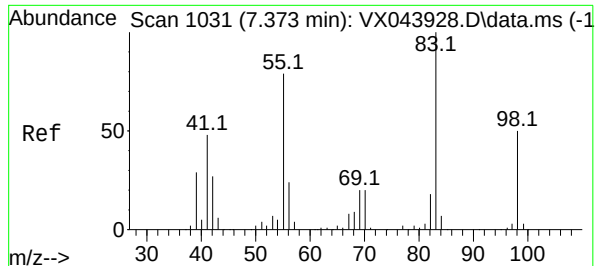
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	117	Resp:	12348
Ion Ratio	Lower	Upper	
117	100		
119	90.7	75.2	112.8
121	31.5	24.5	36.7





#39

Methylcyclohexane

Concen: 4.803 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 1472

Ion Ratio Lower Upper

83 100

55 73.1 63.1 94.7

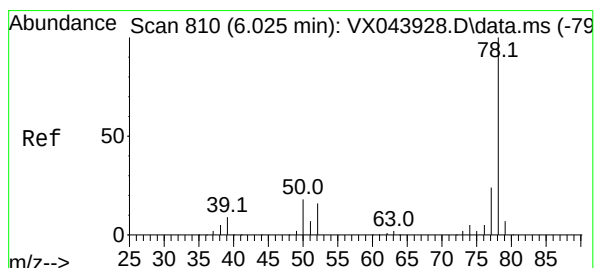
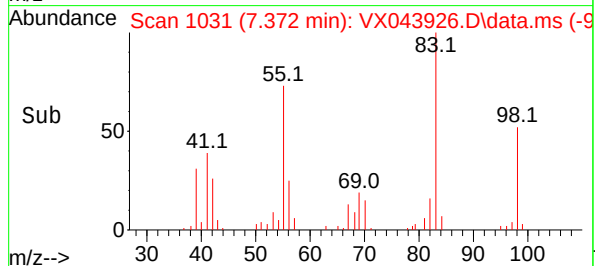
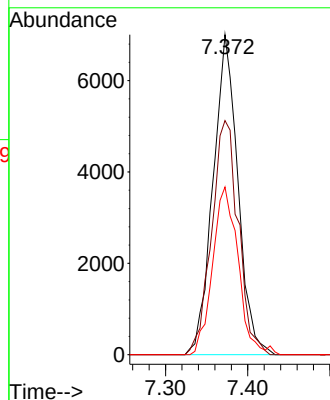
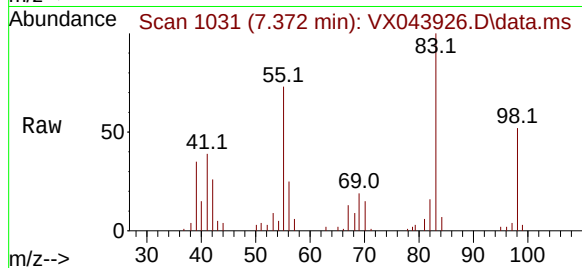
98 52.4 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 4.937 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043926.D

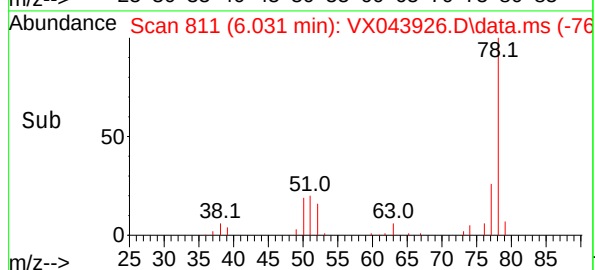
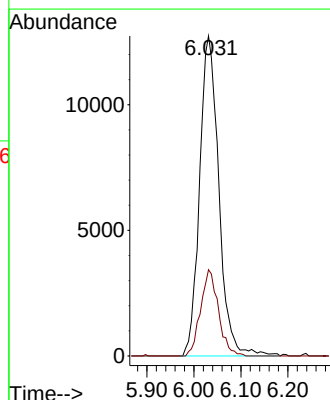
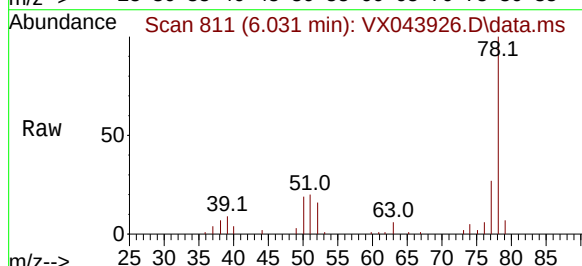
Acq: 21 Nov 2024 10:14

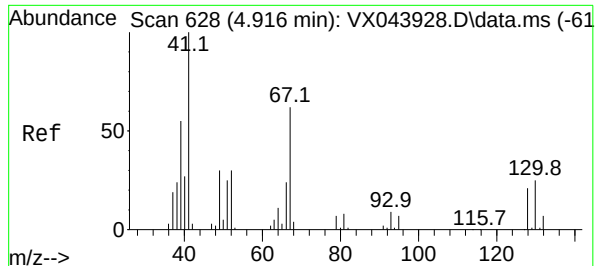
Tgt Ion: 78 Resp: 36283

Ion Ratio Lower Upper

78 100

77 27.0 19.2 28.8





#41

Methacrylonitrile

Concen: 4.907 ug/l

RT: 4.928 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 735

Ion Ratio Lower Upper

41 100

39 52.5 41.7 62.5

67 72.4 55.8 83.8

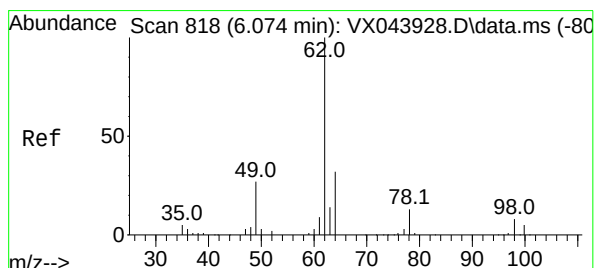
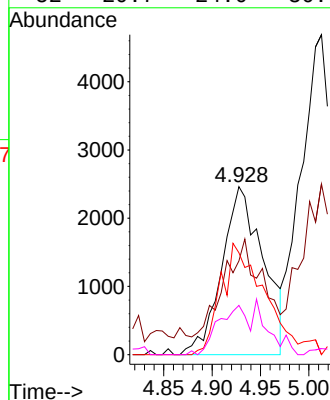
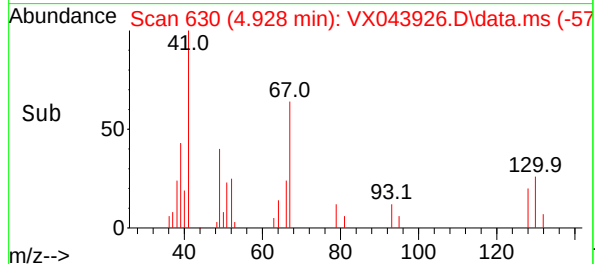
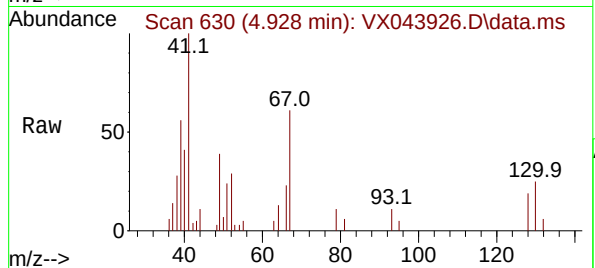
52 20.7 24.0 36.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 4.901 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX043926.D

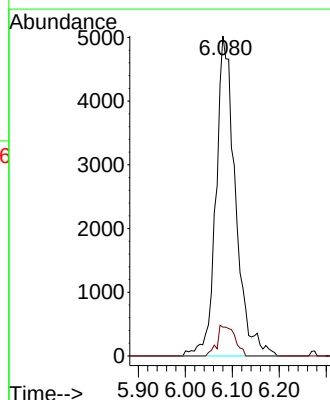
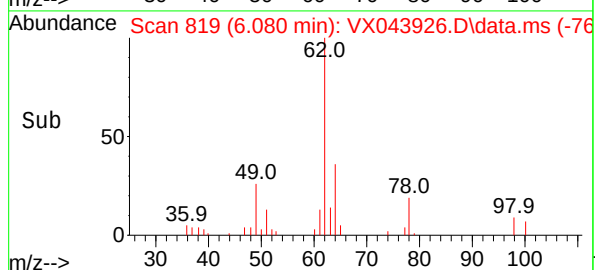
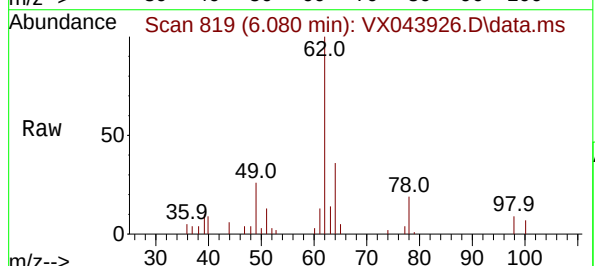
Acq: 21 Nov 2024 10:14

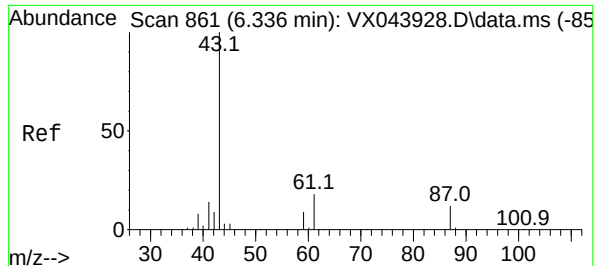
Tgt Ion: 62 Resp: 14467

Ion Ratio Lower Upper

62 100

98 8.6 0.0 16.4





#43

Isopropyl Acetate

Concen: 4.777 ug/l

RT: 6.348 min Scan# 80

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2226

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

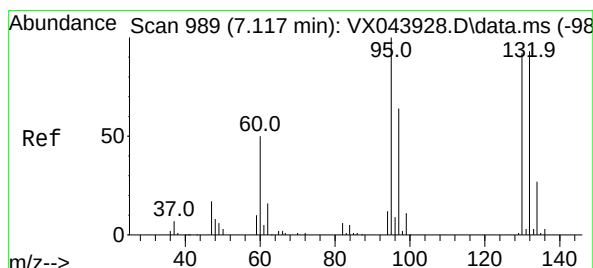
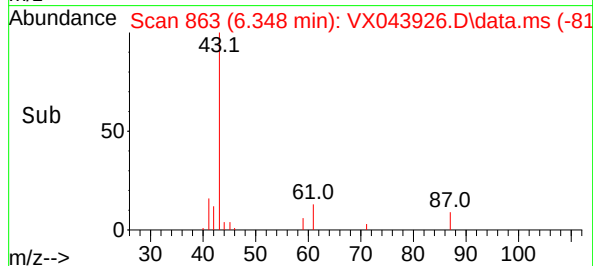
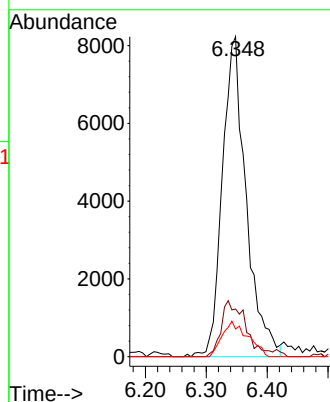
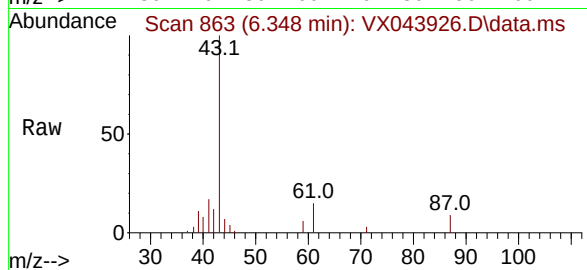
87 11.9 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 4.736 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX043926.D

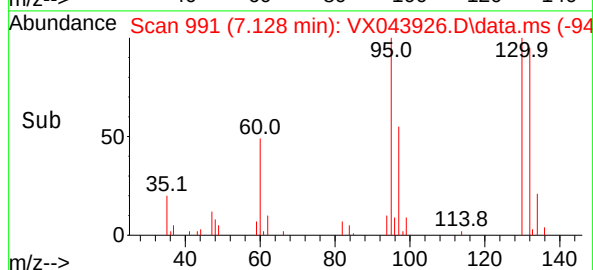
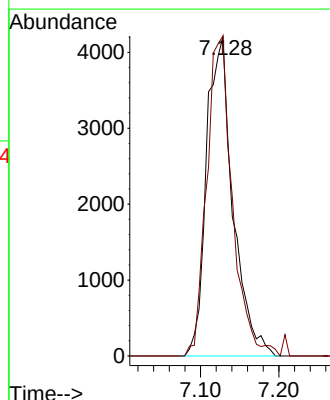
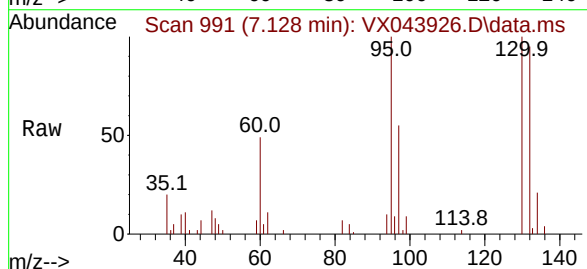
Acq: 21 Nov 2024 10:14

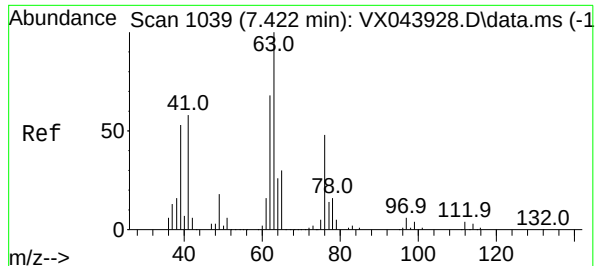
Tgt Ion:130 Resp: 9852

Ion Ratio Lower Upper

130 100

95 100.3 0.0 217.8





#45

1,2-Dichloropropane

Concen: 4.736 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 8524

Ion Ratio Lower Upper

63 100

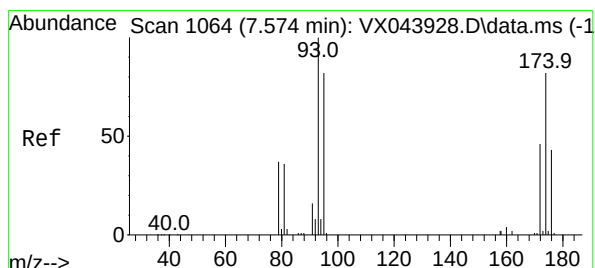
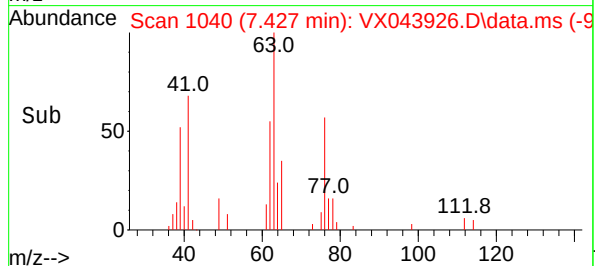
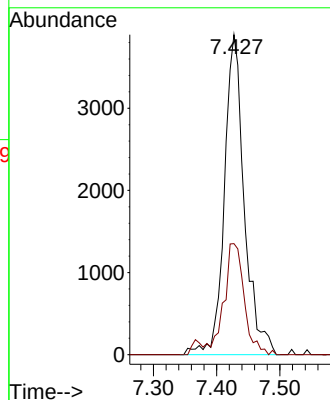
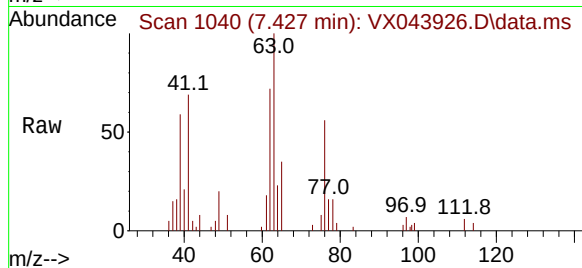
65 34.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 4.475 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

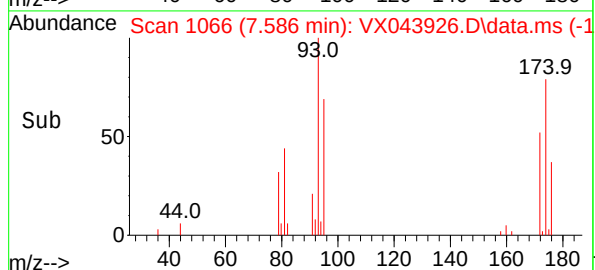
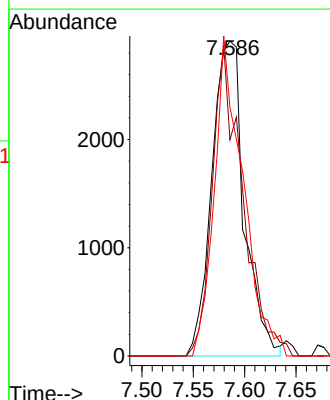
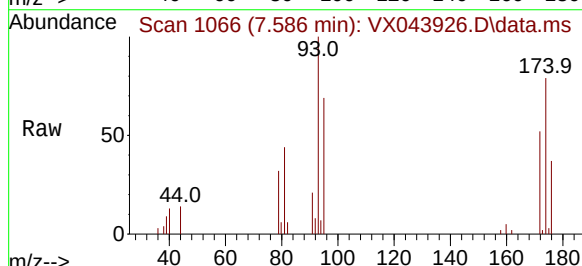
Tgt Ion: 93 Resp: 6372

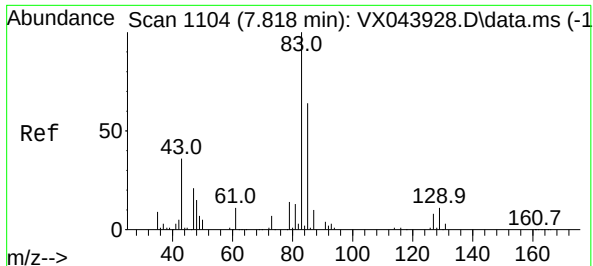
Ion Ratio Lower Upper

93 100

95 92.5 66.2 99.4

174 90.3 69.6 104.4





#47

Bromodichloromethane

Concen: 4.405 ug/l

RT: 7.823 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

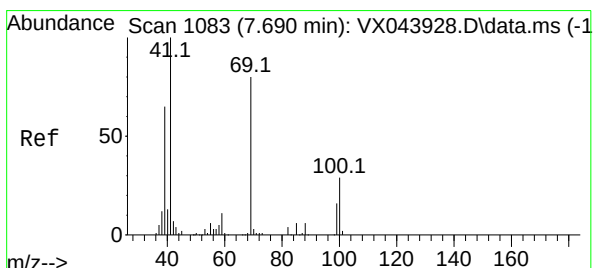
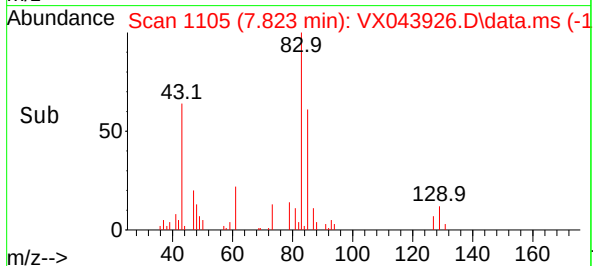
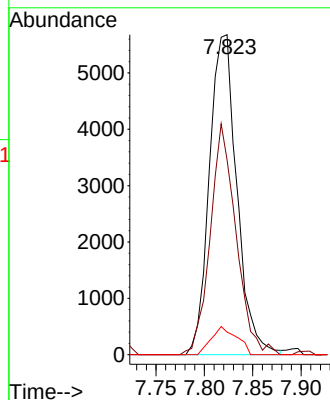
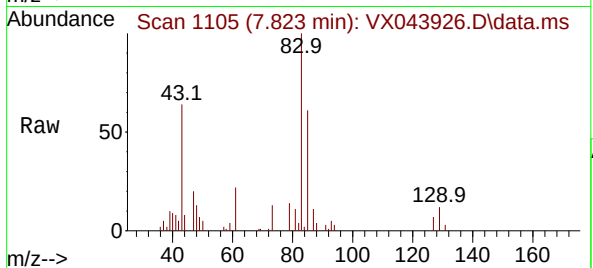
Tgt Ion:	83	Resp:	11249
Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.0
127	7.1	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 4.556 ug/l

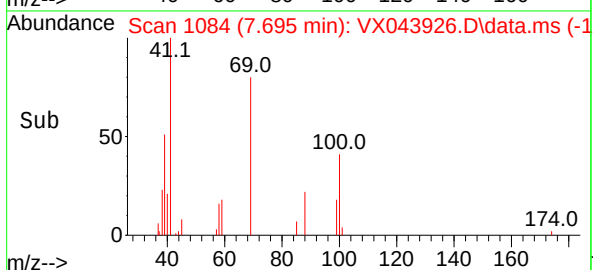
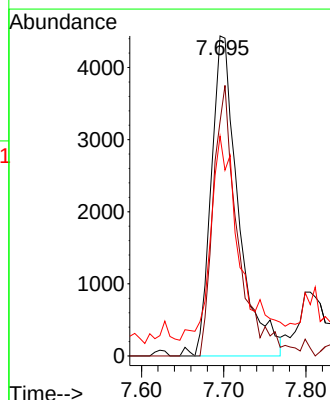
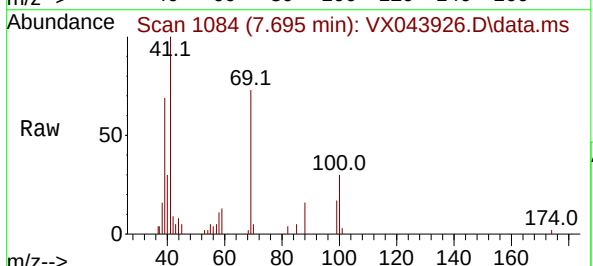
RT: 7.695 min Scan# 1084

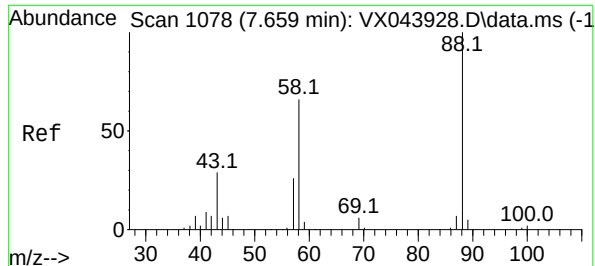
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	41	Resp:	10190
Ion	Ratio	Lower	Upper
41	100		
69	77.6	64.6	97.0
39	60.5	53.3	79.9





#49

1,4-Dioxane

Concen: 106.070 ug/l m

RT: 7.677 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 4090

Ion Ratio Lower Upper

88 100

43 0.0 26.8 40.2

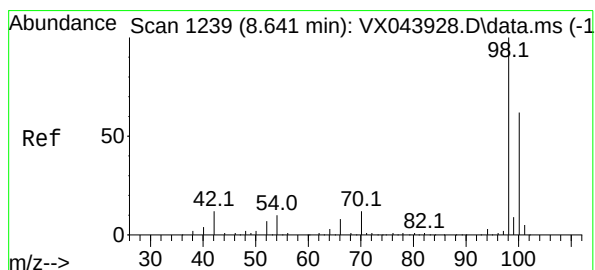
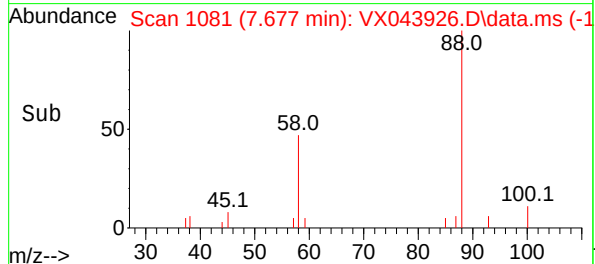
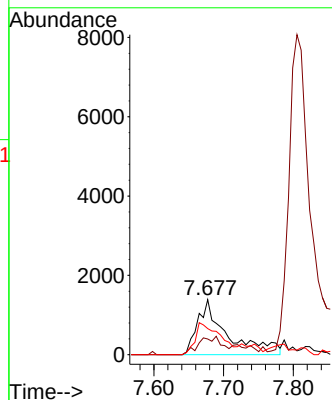
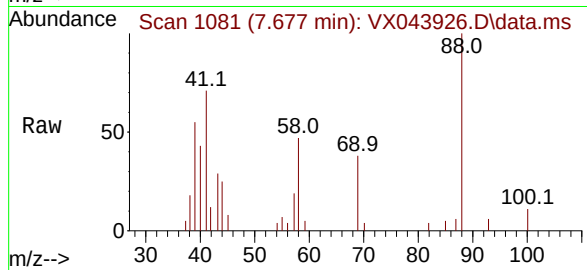
58 49.5 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 5.389 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043926.D

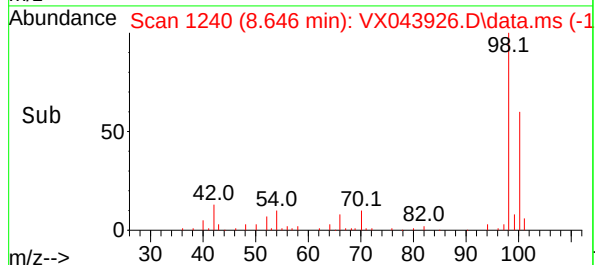
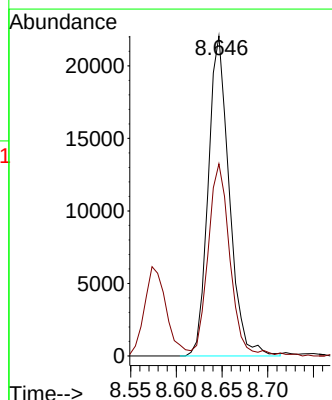
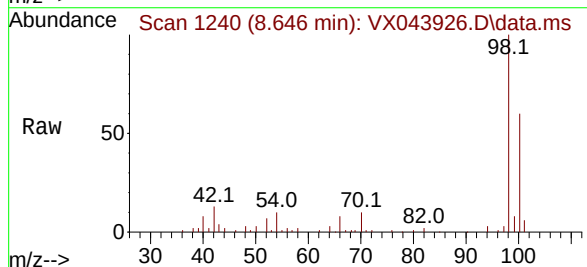
Acq: 21 Nov 2024 10:14

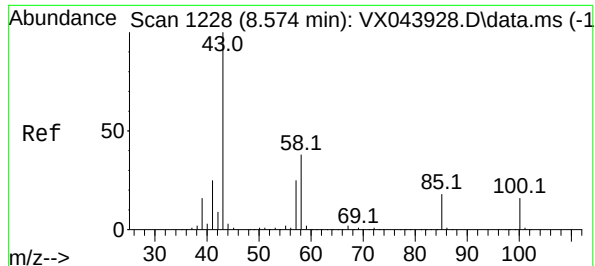
Tgt Ion: 98 Resp: 35173

Ion Ratio Lower Upper

98 100

100 62.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 24.556 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 6984

Ion Ratio Lower Upper

43 100

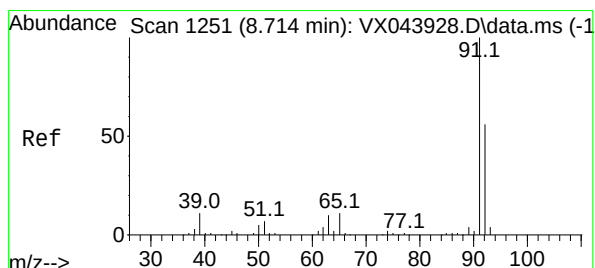
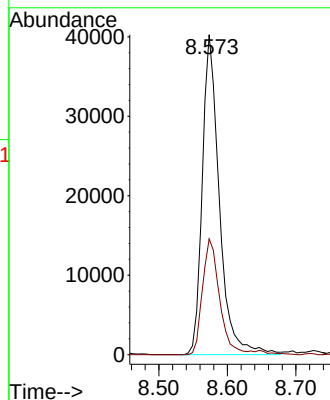
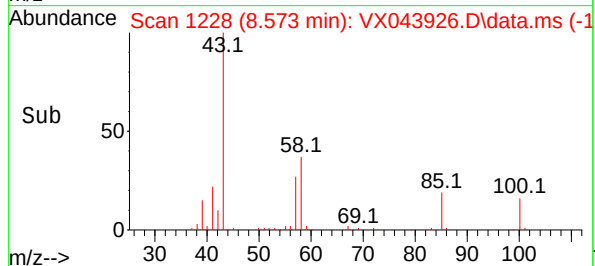
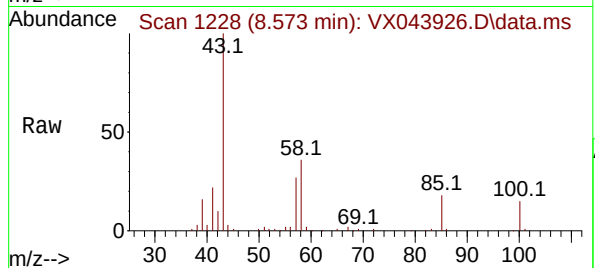
58 35.9 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 5.051 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043926.D

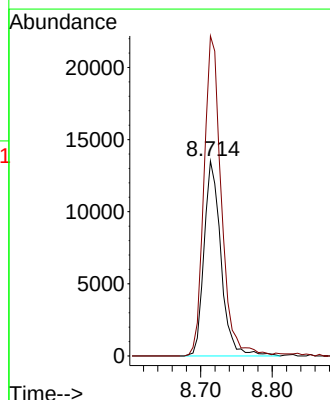
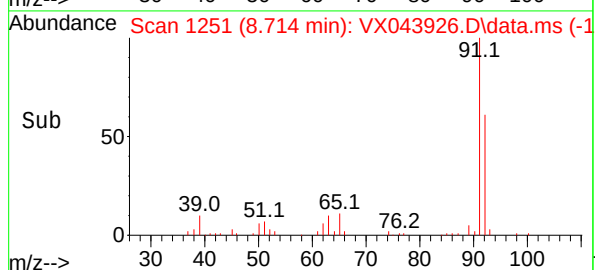
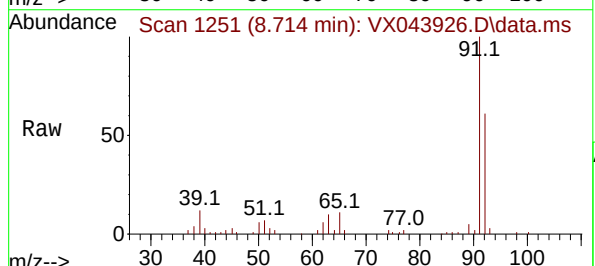
Acq: 21 Nov 2024 10:14

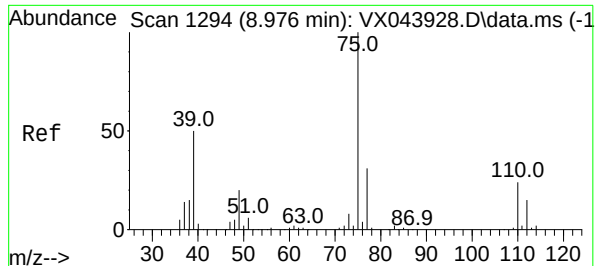
Tgt Ion: 92 Resp: 22218

Ion Ratio Lower Upper

92 100

91 168.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 4.200 ug/l

RT: 8.982 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 1093

Ion Ratio Lower Upper

75 100

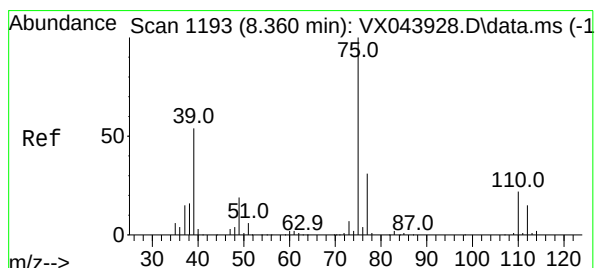
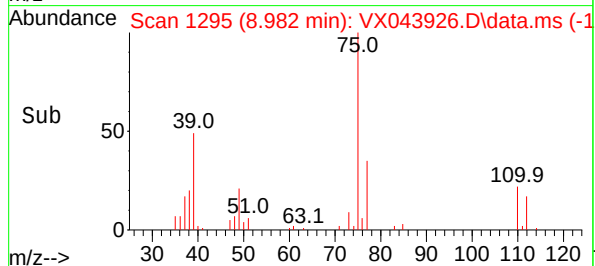
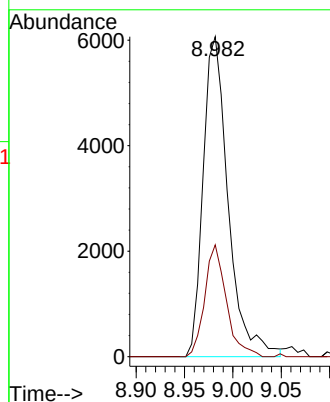
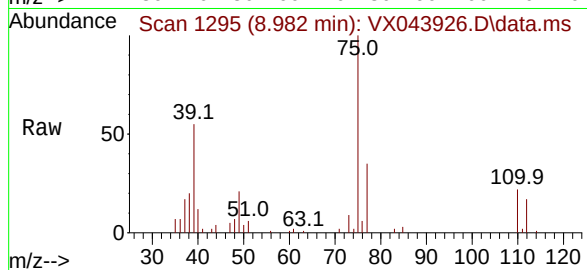
77 35.0 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 4.292 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

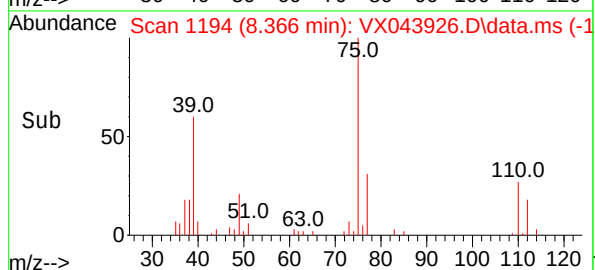
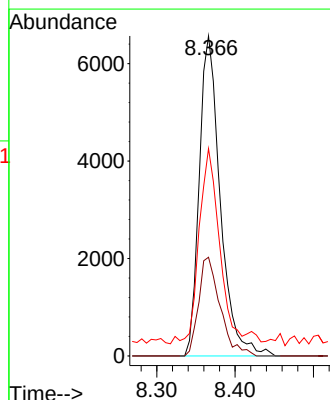
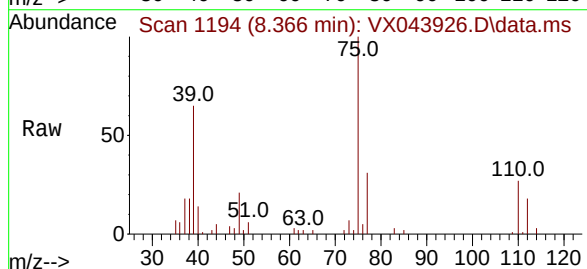
Tgt Ion: 75 Resp: 12253

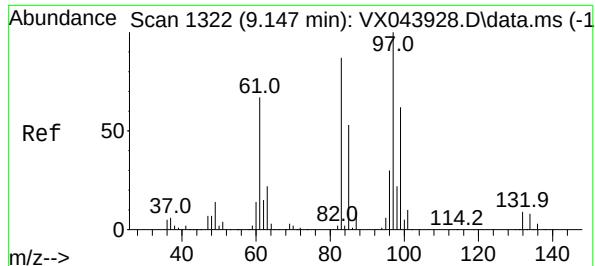
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 60.0 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 4.957 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

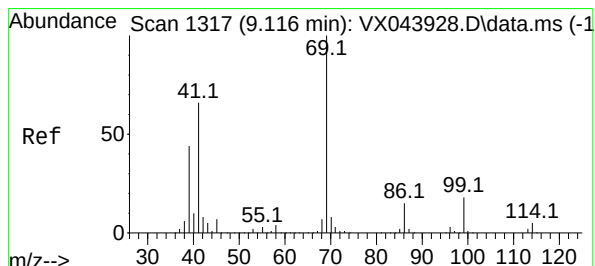
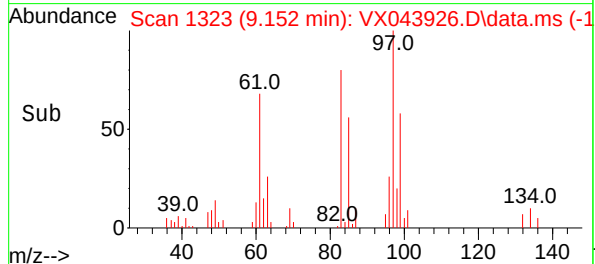
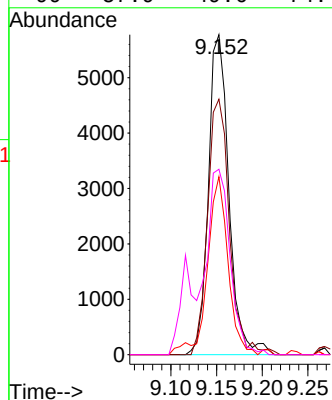
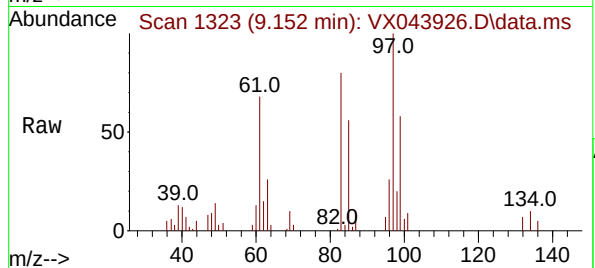
Tgt Ion:	97	Resp:	9000
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.4	104.0
85	55.6	42.3	63.5
99	57.9	49.6	74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 4.378 ug/l

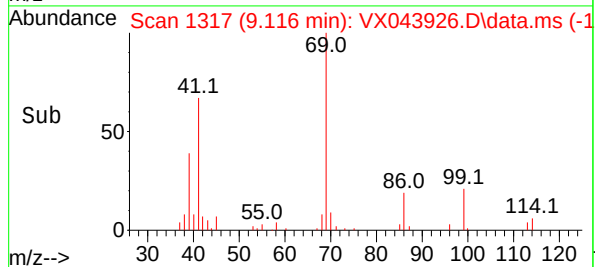
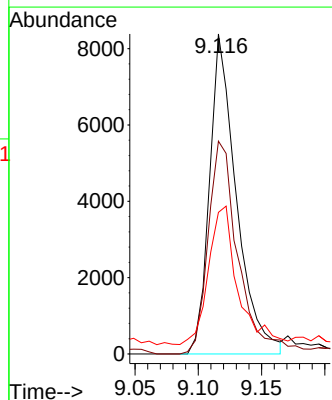
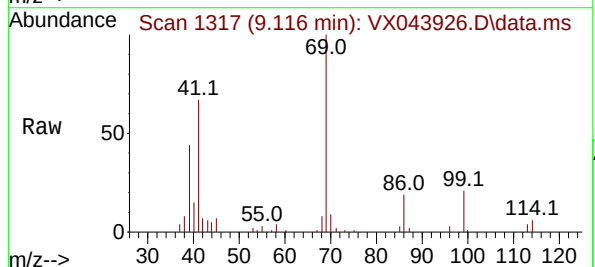
RT: 9.116 min Scan# 1317

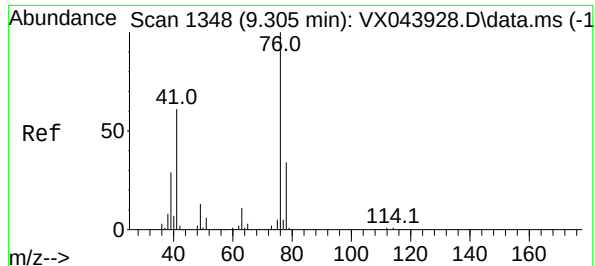
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	69	Resp:	12381
Ion	Ratio	Lower	Upper
69	100		
41	75.0	55.8	83.8
39	46.7	36.7	55.1





#57

1,3-Dichloropropane

Concen: 4.973 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 1521

Ion Ratio Lower Upper

76 100

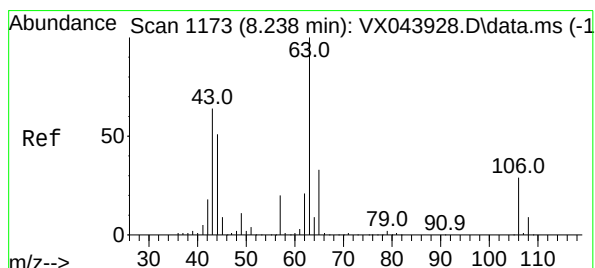
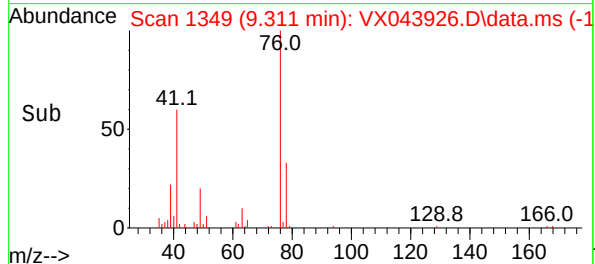
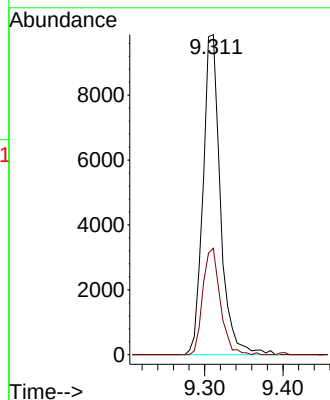
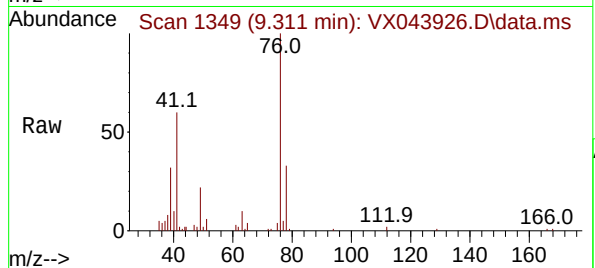
78 33.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 27.673 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043926.D

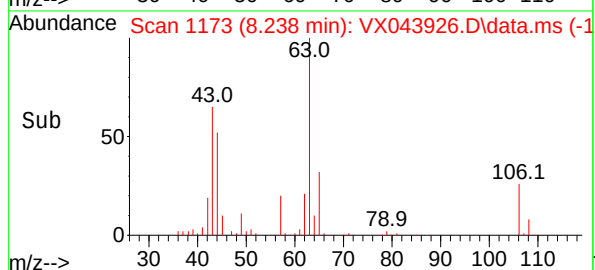
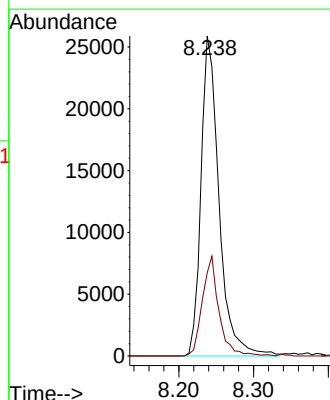
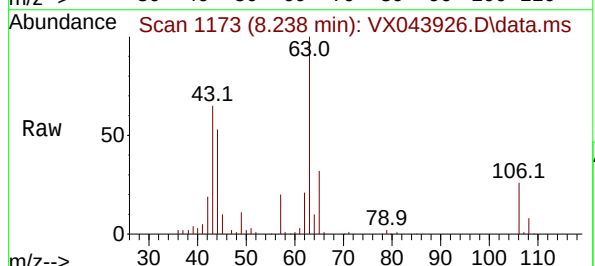
Acq: 21 Nov 2024 10:14

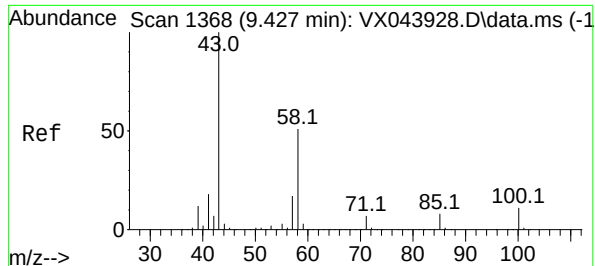
Tgt Ion: 63 Resp: 43351

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6





#59

2-Hexanone

Concen: 24.357 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 52072

Ion Ratio Lower Upper

43 100

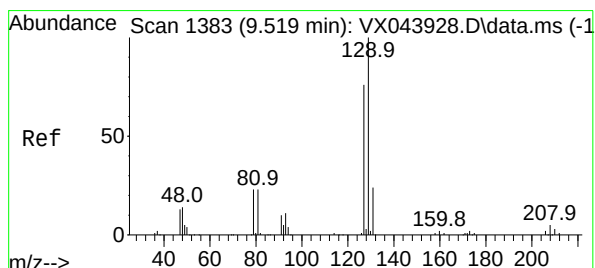
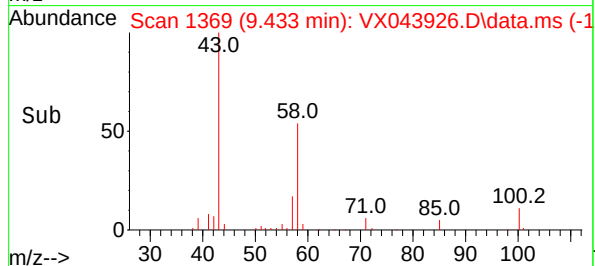
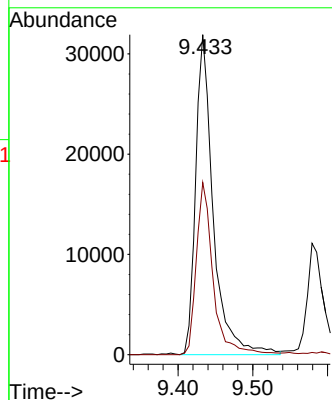
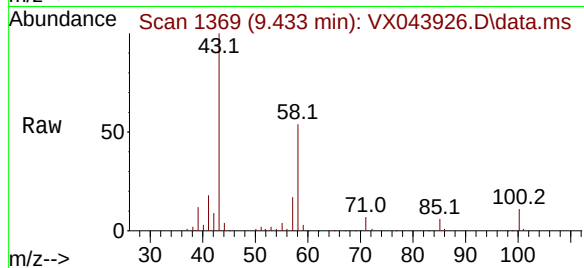
58 51.4 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 4.247 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043926.D

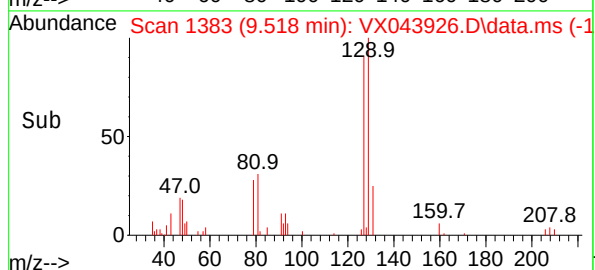
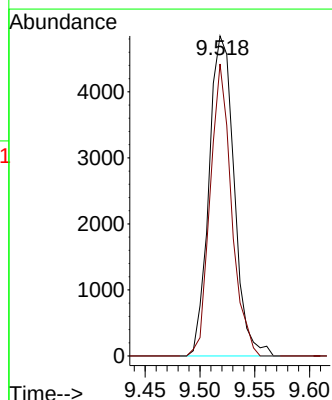
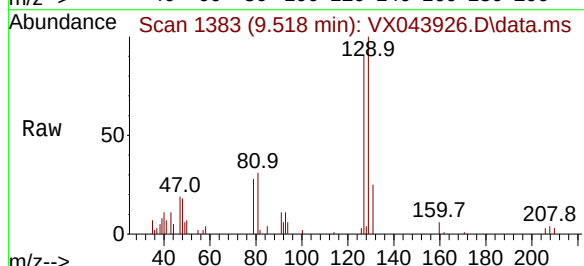
Acq: 21 Nov 2024 10:14

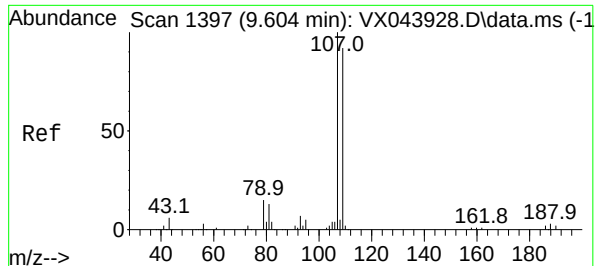
Tgt Ion:129 Resp: 7738

Ion Ratio Lower Upper

129 100

127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 4.894 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:107 Resp: 898

Ion Ratio Lower Upper

107 100

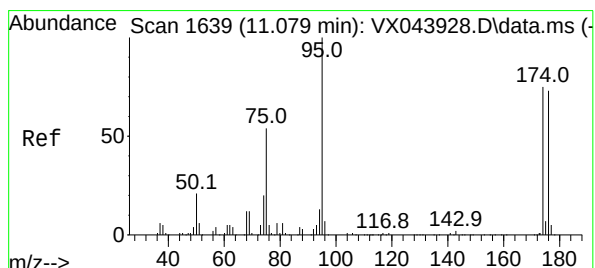
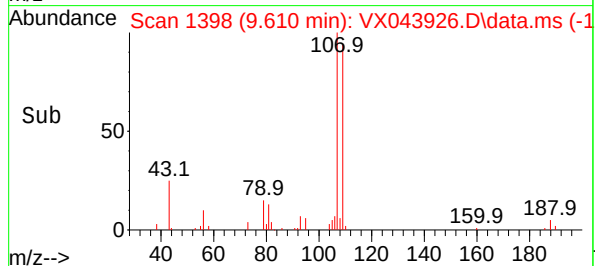
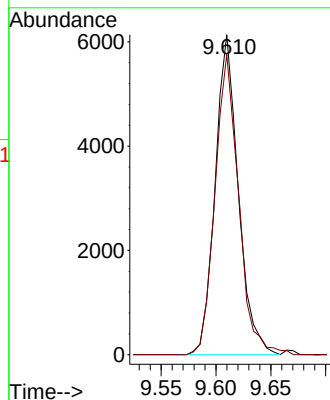
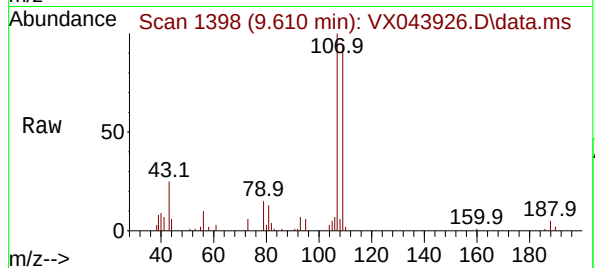
109 96.2 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 4.780 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

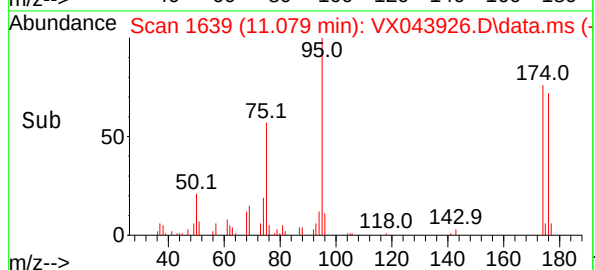
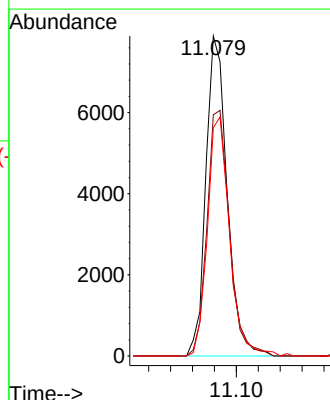
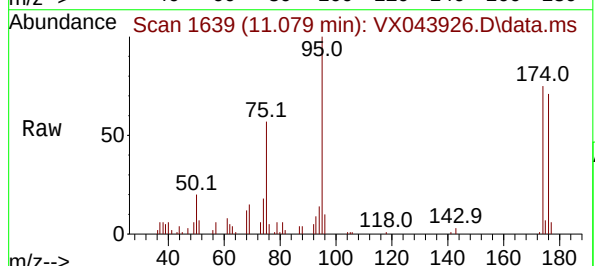
Tgt Ion: 95 Resp: 10618

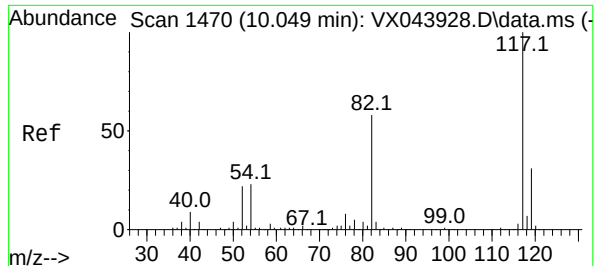
Ion Ratio Lower Upper

95 100

174 80.9 0.0 150.4

176 77.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

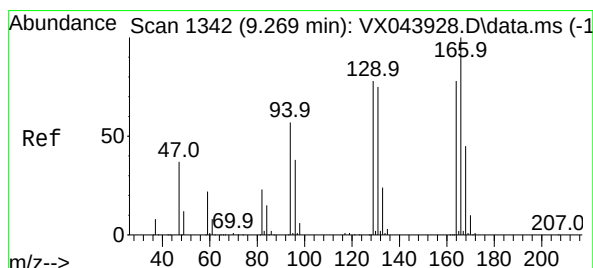
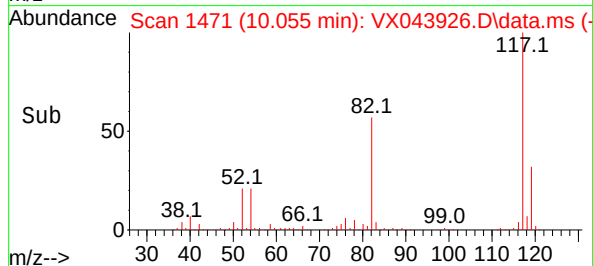
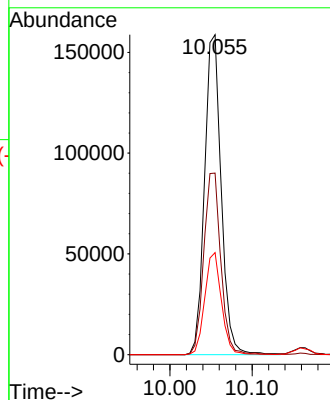
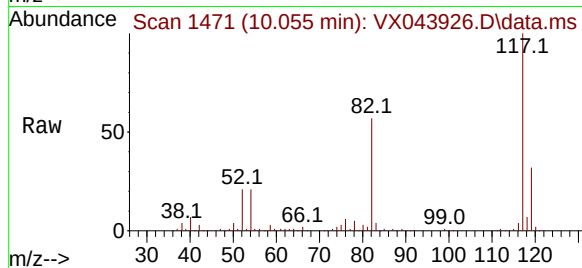
Tgt Ion:117	Resp: 223514
Ion Ratio	Lower Upper
117	100
82	56.8 46.4 69.6
119	31.9 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 5.185 ug/l

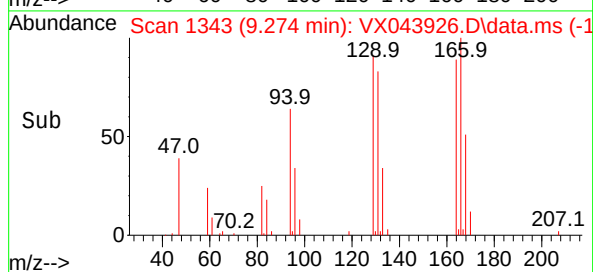
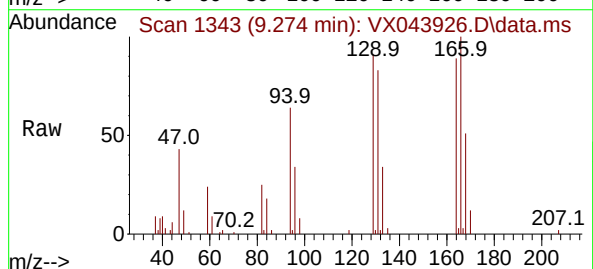
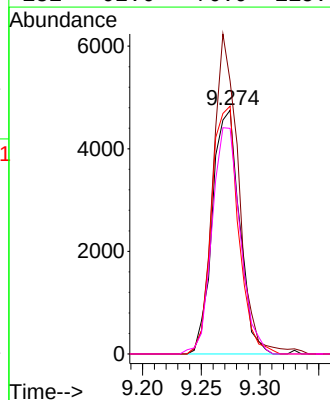
RT: 9.274 min Scan# 1343

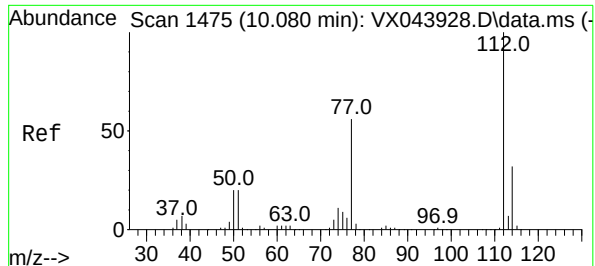
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:164	Resp: 7642
Ion Ratio	Lower Upper
164	100
166	111.9 102.1 153.1
129	101.7 79.6 119.4
131	92.6 76.9 115.3





#65

Chlorobenzene

Concen: 5.050 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 2479

Ion Ratio Lower Upper

112 100

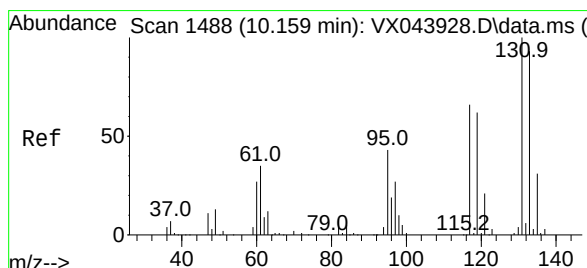
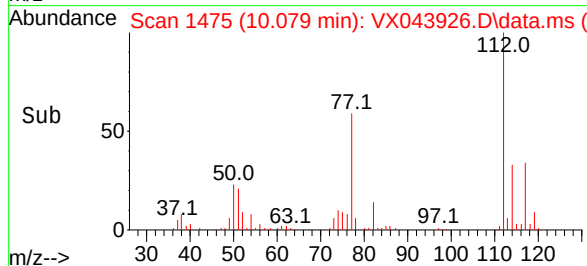
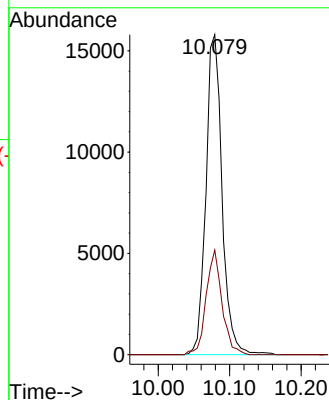
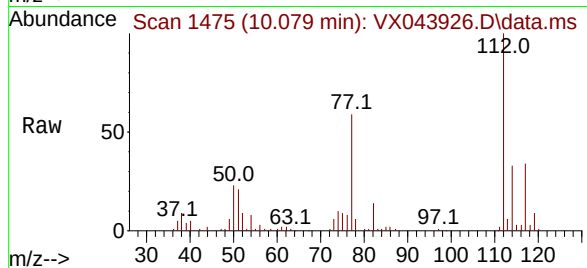
114 32.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 4.661 ug/l

RT: 10.158 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

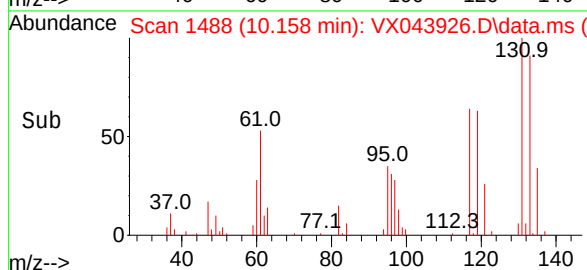
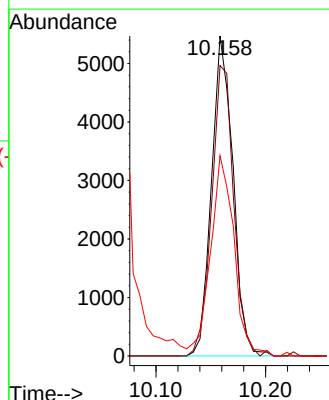
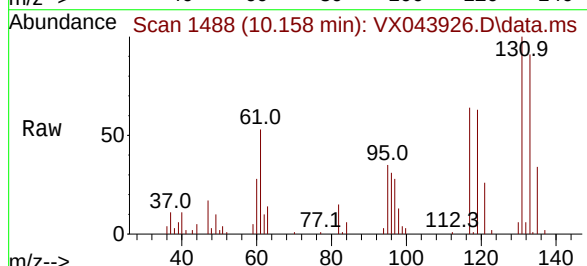
Tgt Ion:131 Resp: 7421

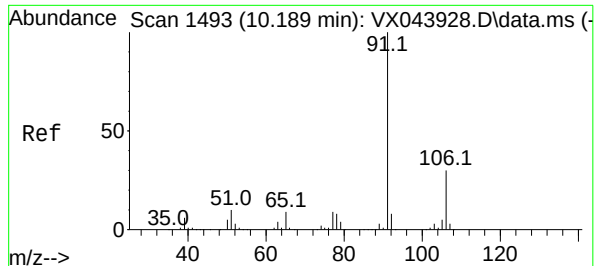
Ion Ratio Lower Upper

131 100

133 94.1 48.2 144.6

119 68.3 31.5 94.5





#67

Ethyl Benzene

Concen: 4.920 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4092

Ion Ratio Lower Upper

91 100

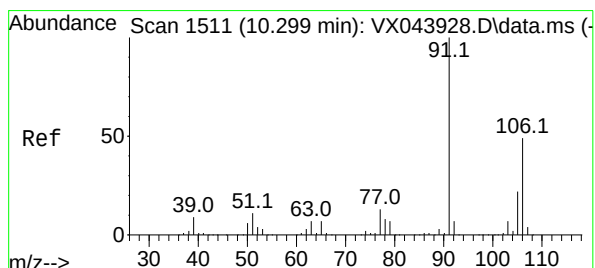
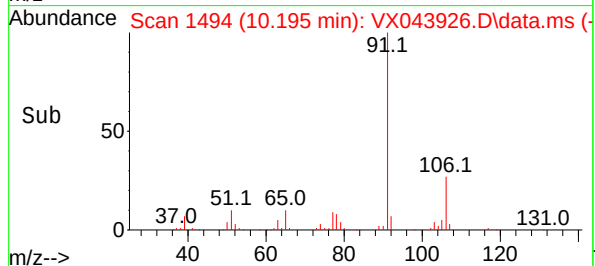
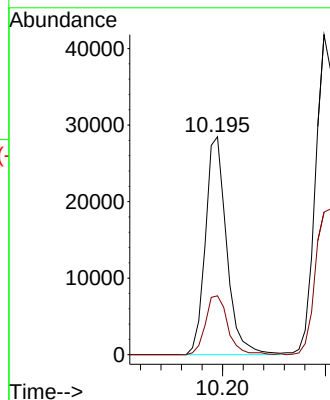
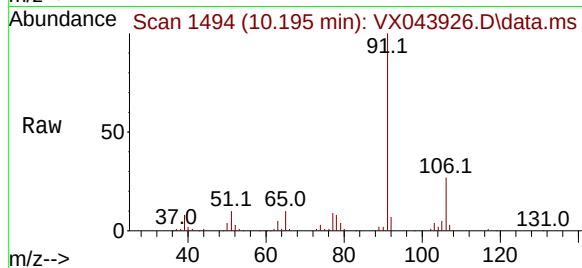
106 27.0 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 9.553 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043926.D

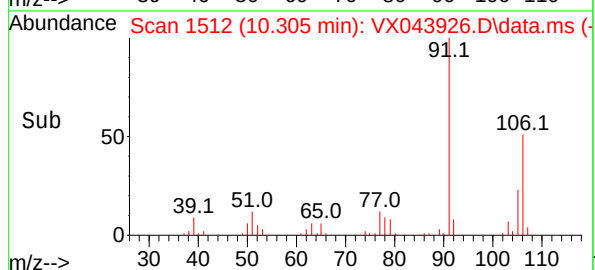
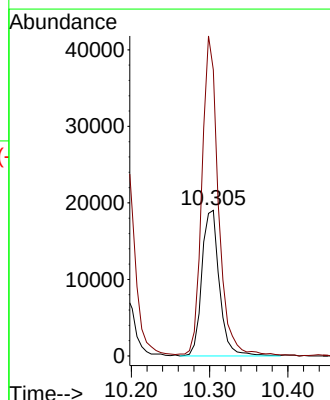
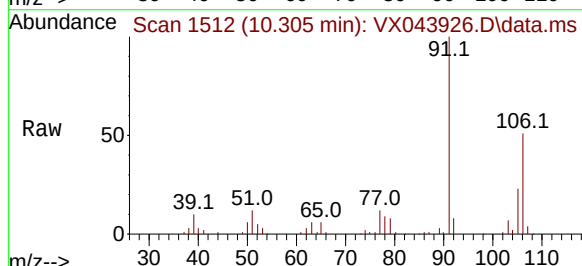
Acq: 21 Nov 2024 10:14

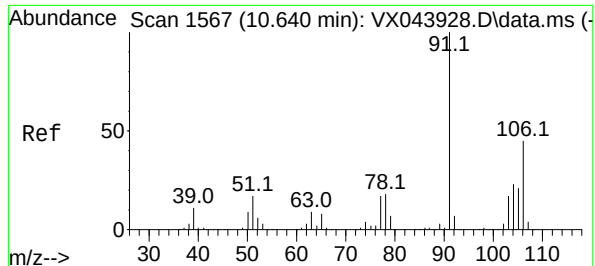
Tgt Ion:106 Resp: 29635

Ion Ratio Lower Upper

106 100

91 208.0 168.1 252.1





#69

o-Xylene

Concen: 4.905 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 14850

Ion Ratio Lower Upper

106 100

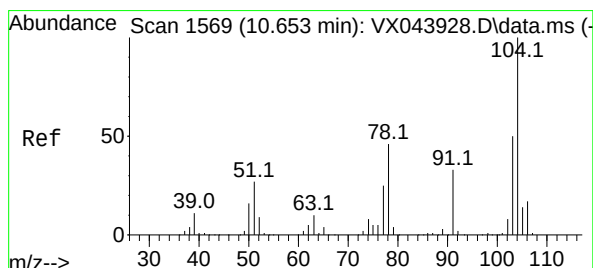
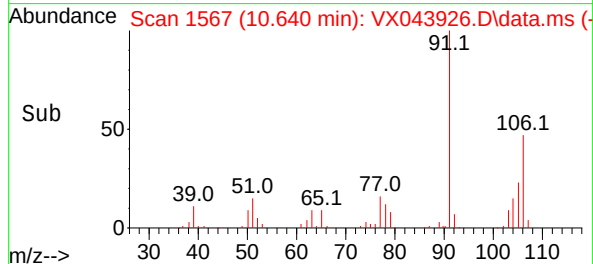
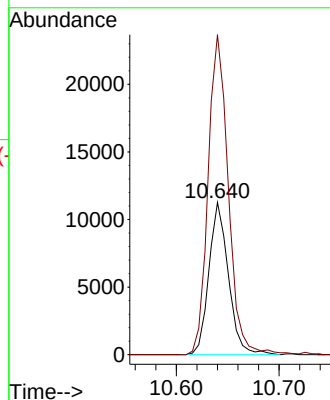
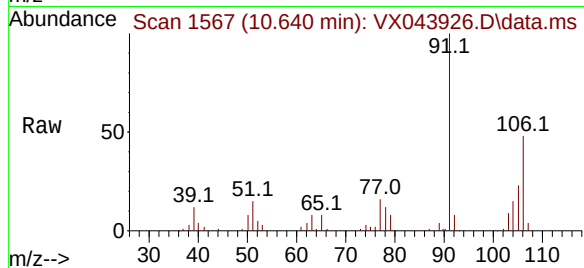
91 217.8 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 4.573 ug/l

RT: 10.658 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

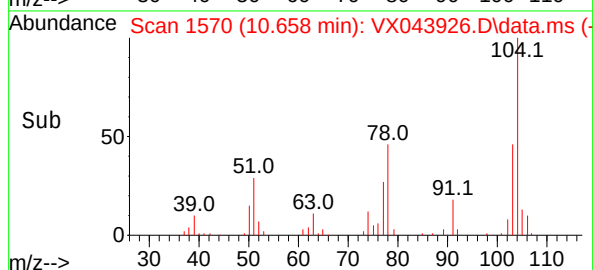
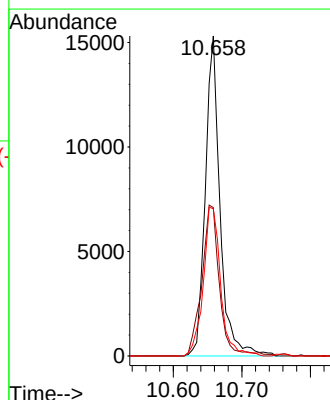
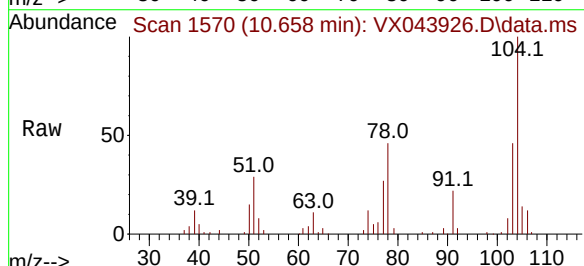
Tgt Ion:104 Resp: 22907

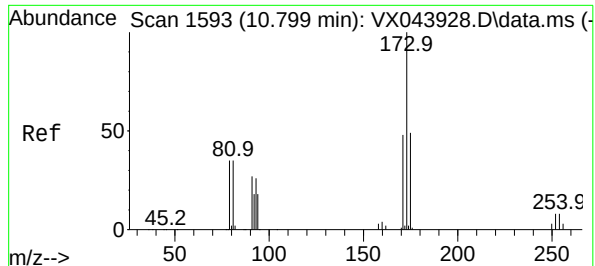
Ion Ratio Lower Upper

104 100

78 56.4 42.2 63.2

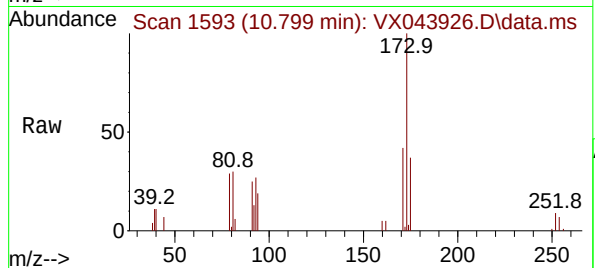
103 54.8 44.7 67.1





#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

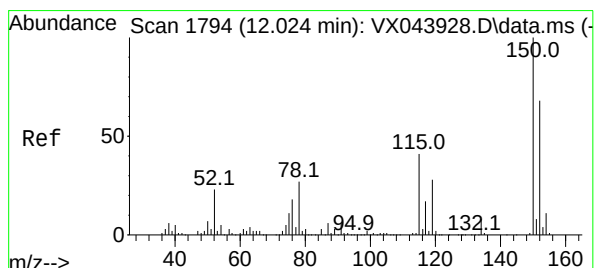
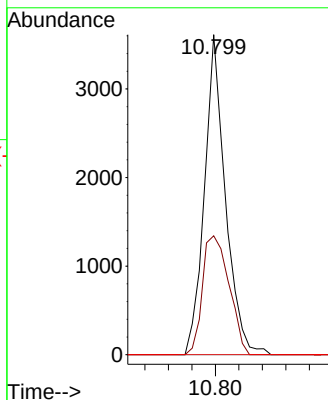
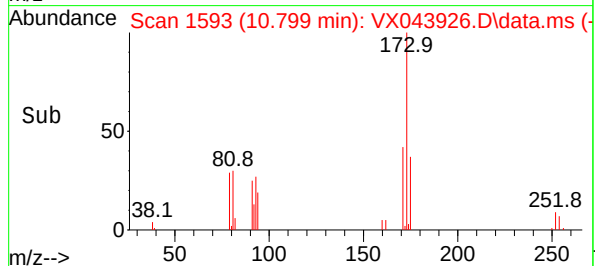
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



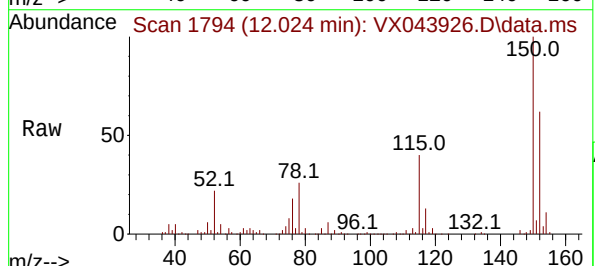
Tgt Ion:173 Resp: 4470
Ion Ratio Lower Upper
173 100
175 47.1 24.1 72.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

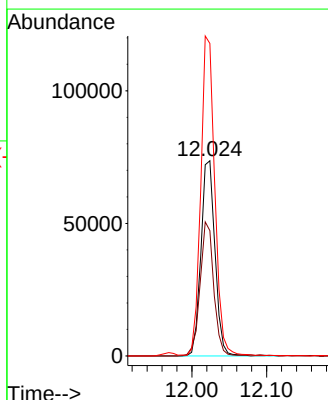
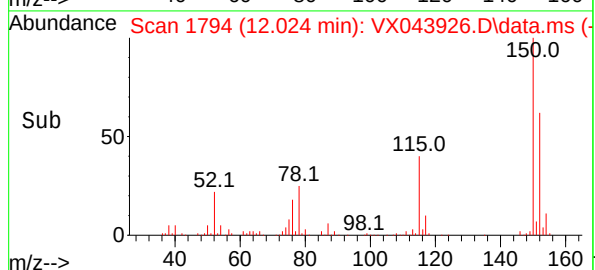
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

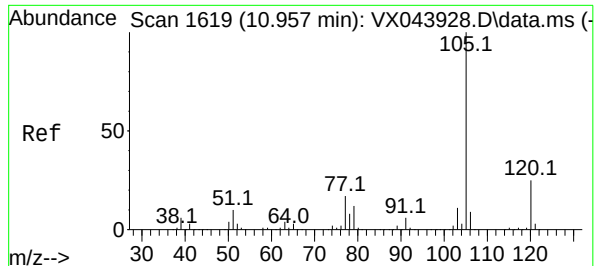


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14



Tgt Ion:152 Resp: 96662
Ion Ratio Lower Upper
152 100
115 66.4 45.4 136.2
150 162.1 0.0 353.0





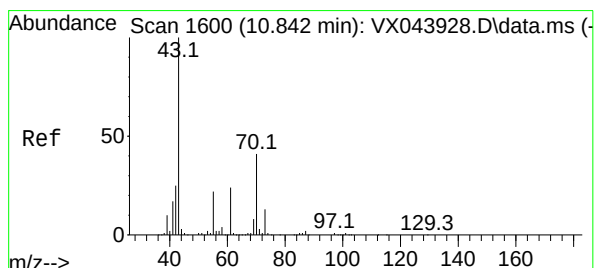
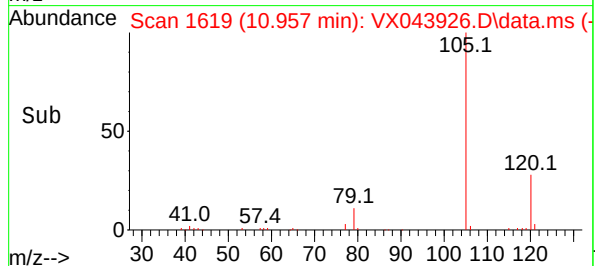
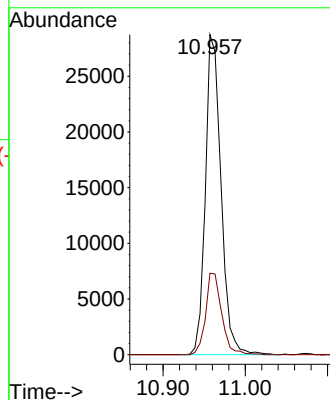
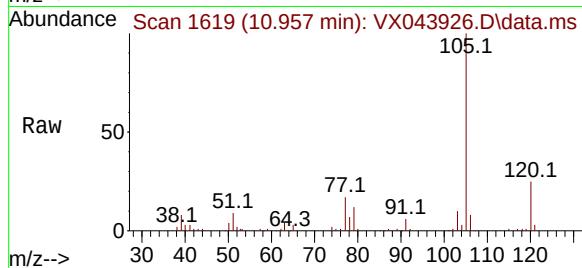
#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 37958
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9

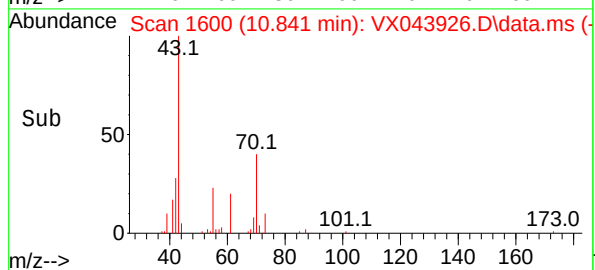
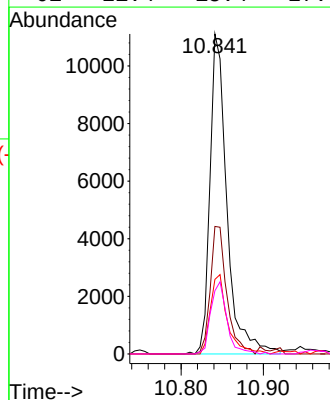
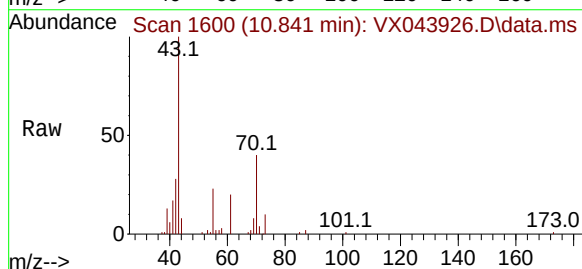
Manual Integrations
APPROVED

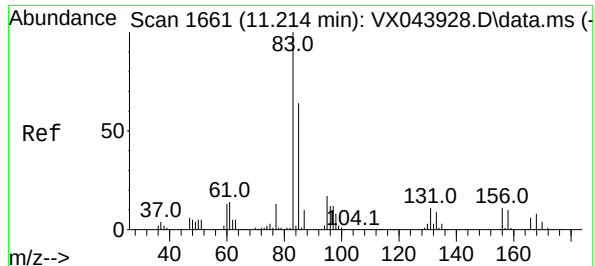
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#74
N-ethyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928
Ion Ratio Lower Upper
43 100
70 38.5 32.2 48.2
55 24.8 18.1 27.1
61 21.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.152 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

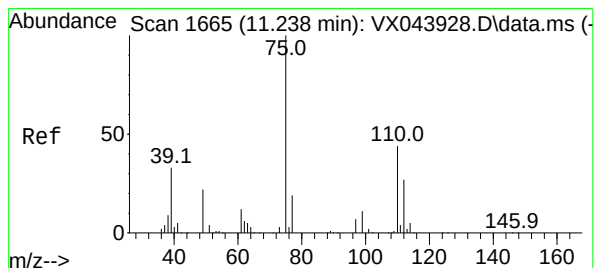
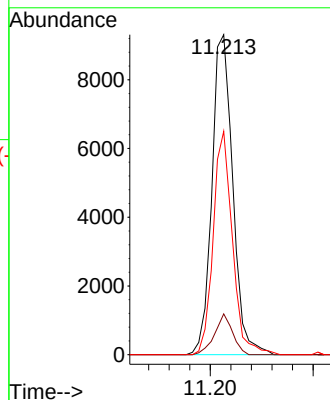
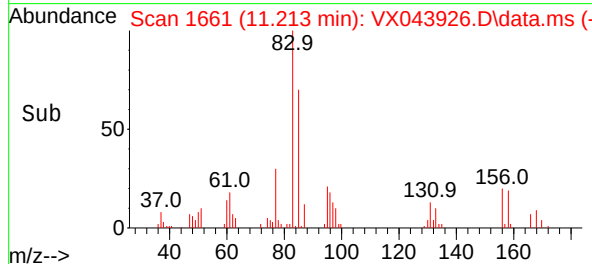
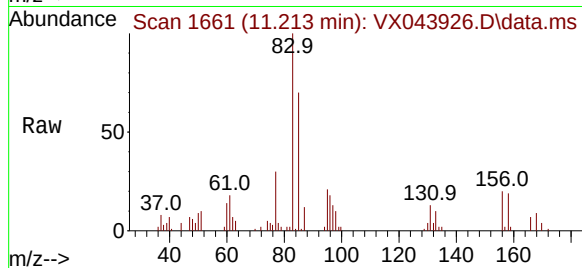
Tgt Ion:	83	Resp:	1310
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.1	15.2
85	64.3	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 5.776 ug/l m

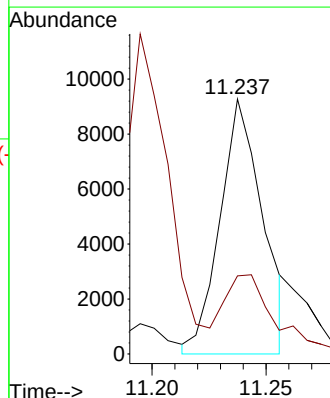
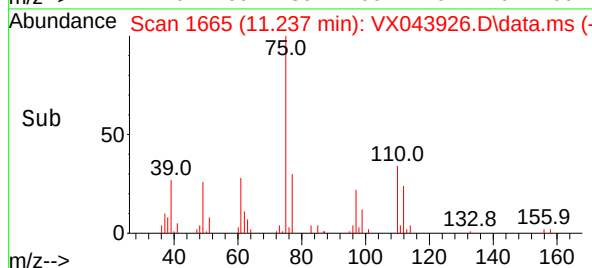
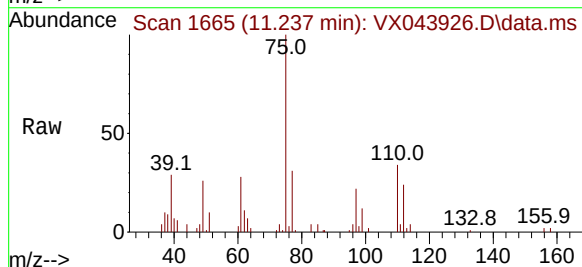
RT: 11.237 min Scan# 1665

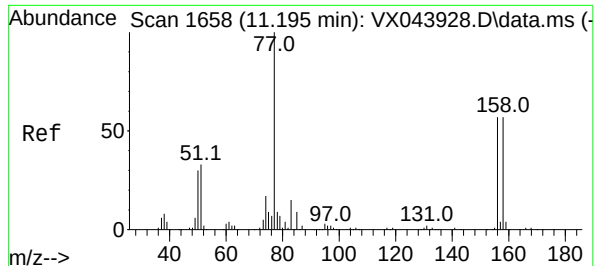
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	75	Resp:	12040
Ion Ratio	Lower	Upper	
75	100		
77	37.4	21.8	65.3





#77

Bromobenzene

Concen: 5.224 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:156 Resp: 925

Ion Ratio Lower Upper

156 100

77 169.5 83.4 250.1

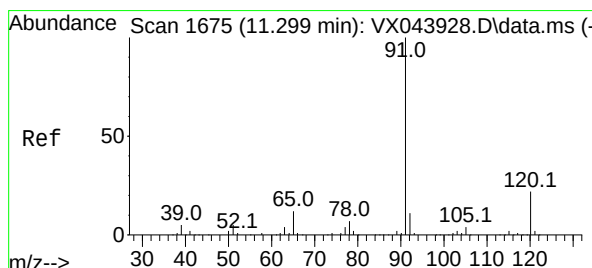
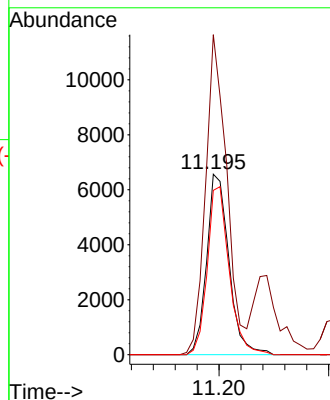
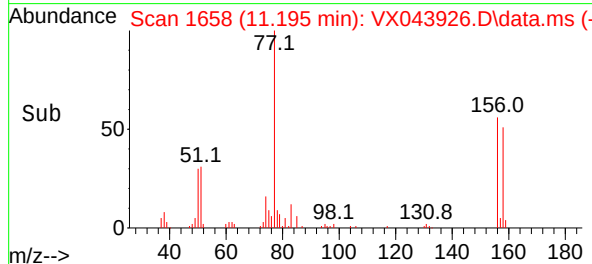
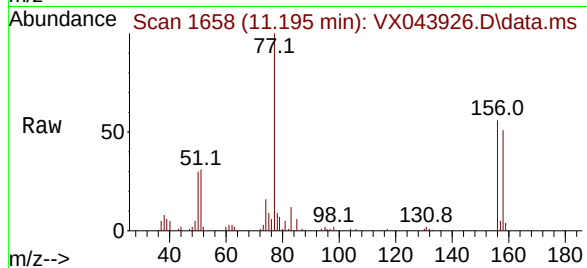
158 91.6 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 4.793 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043926.D

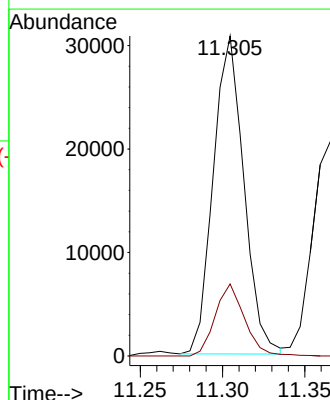
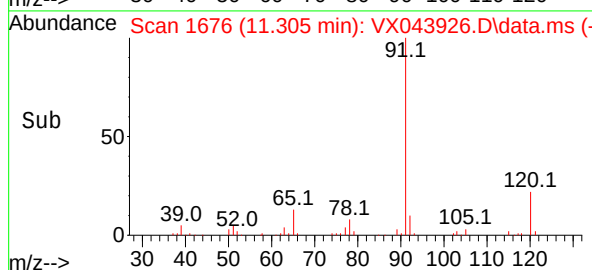
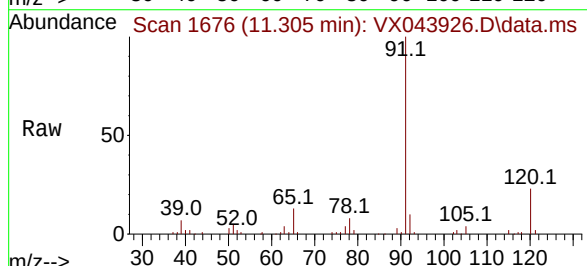
Acq: 21 Nov 2024 10:14

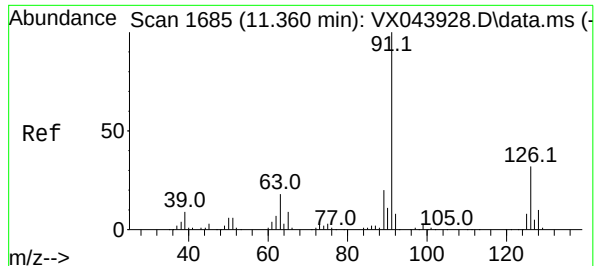
Tgt Ion: 91 Resp: 39774

Ion Ratio Lower Upper

91 100

120 21.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 5.096 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 26740

Ion Ratio Lower Upper

91 100

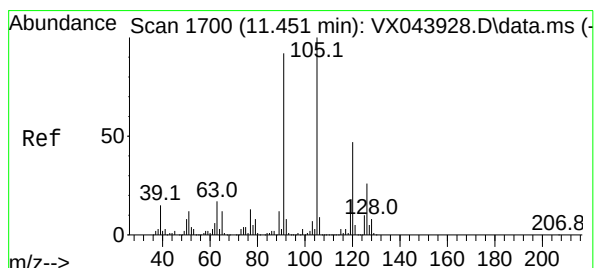
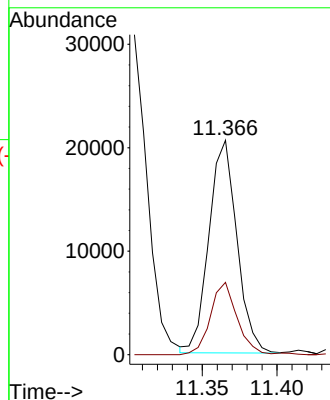
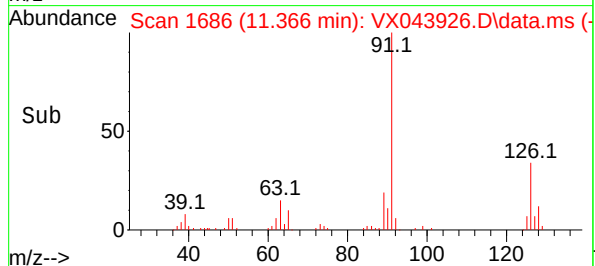
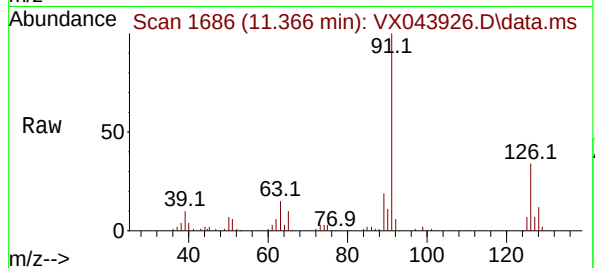
126 32.7 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 4.926 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043926.D

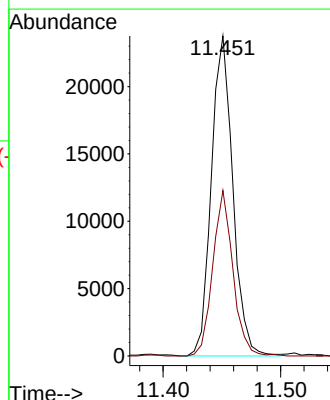
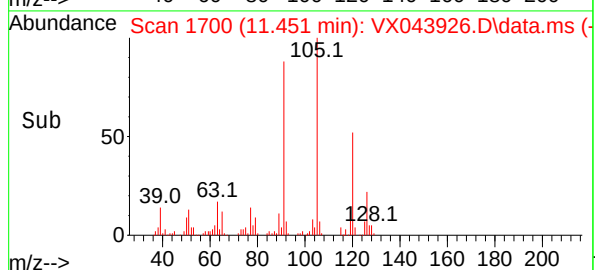
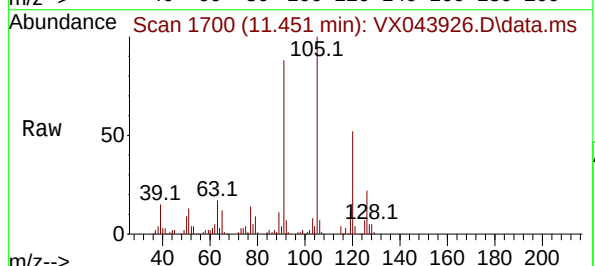
Acq: 21 Nov 2024 10:14

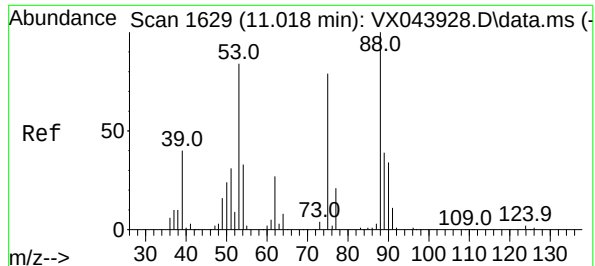
Tgt Ion:105 Resp: 30114

Ion Ratio Lower Upper

105 100

120 48.6 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.707 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

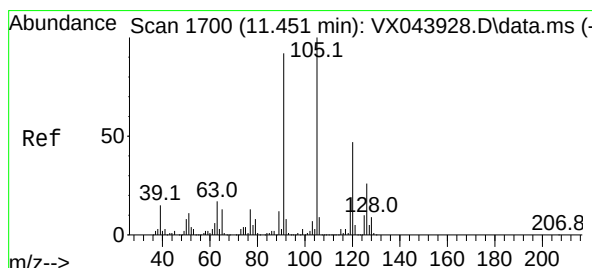
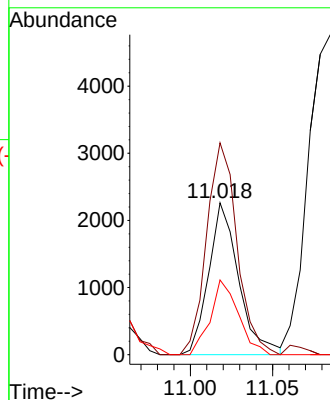
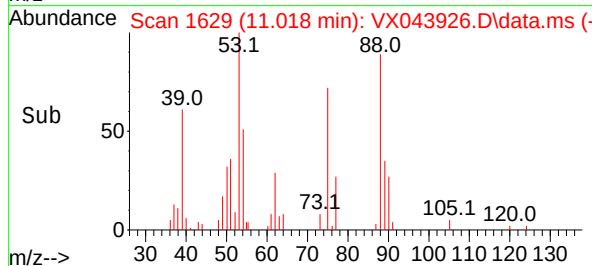
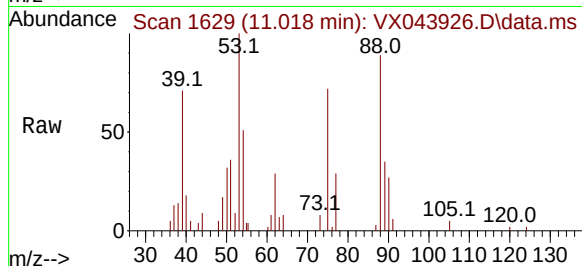
Tgt Ion:	75	Resp:	2880
Ion Ratio	Lower	Upper	
75	100		
53	141.1	86.7	130.1
89	45.9	38.2	57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 4.903 ug/l

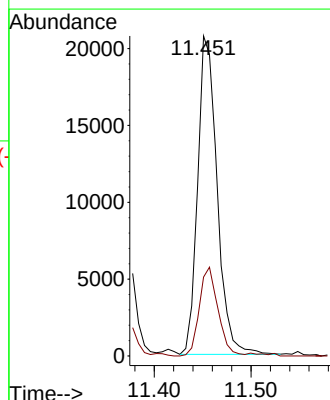
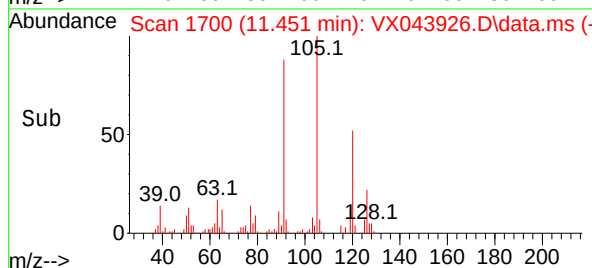
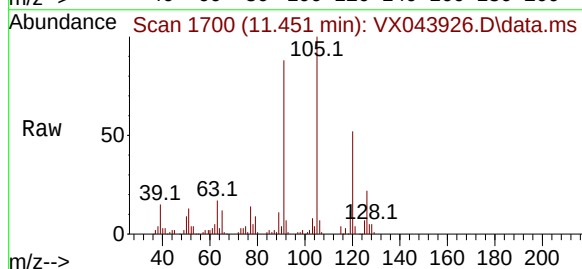
RT: 11.451 min Scan# 1700

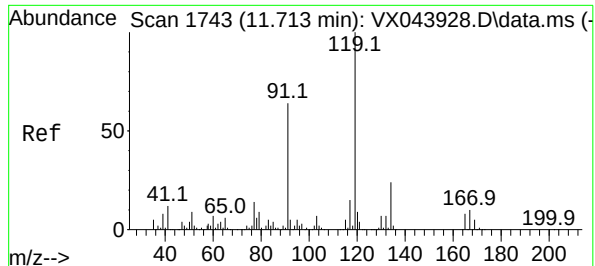
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	91	Resp:	29049
Ion Ratio	Lower	Upper	
91	100		
126	26.7	14.3	42.9





#83

tert-Butylbenzene

Concen: 4.940 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

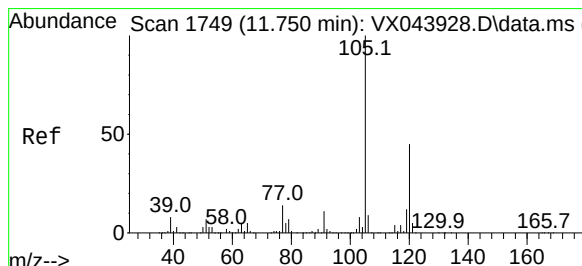
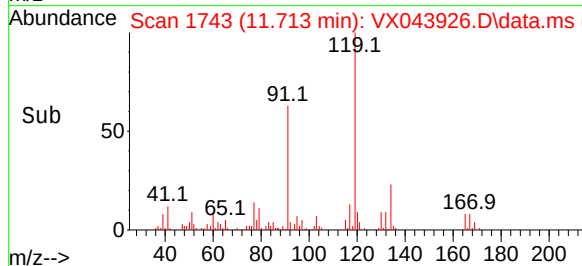
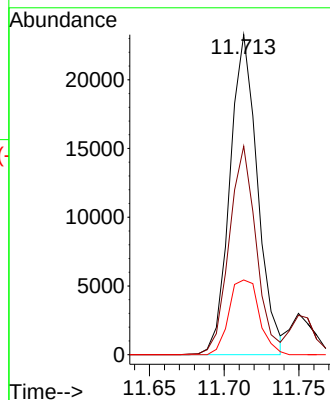
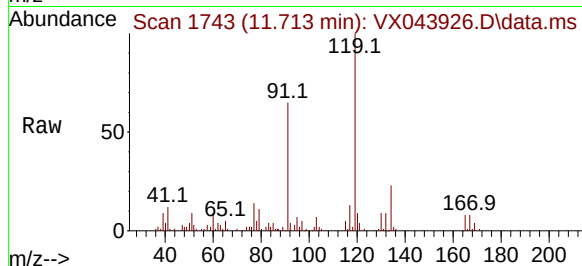
VSTDICC005

Tgt Ion:	119	Resp:	2993
Ion Ratio	Lower	Upper	
119	100		
91	63.8	31.0	93.0
134	25.6	11.6	34.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 5.040 ug/l

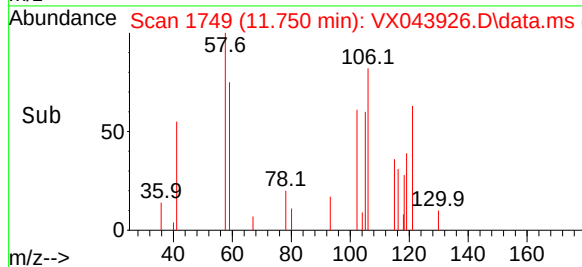
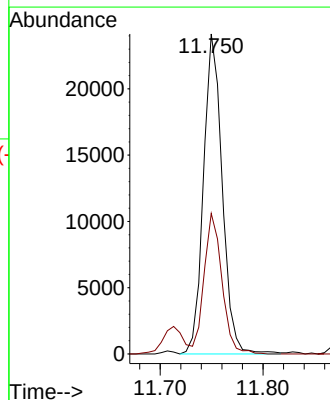
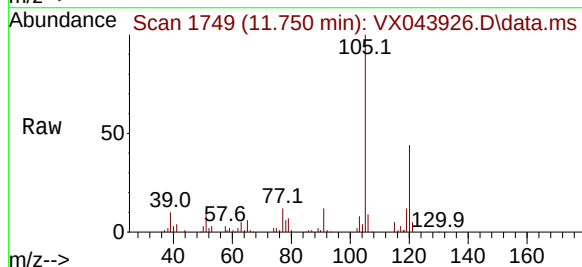
RT: 11.750 min Scan# 1749

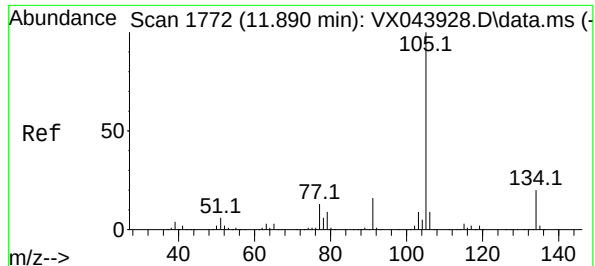
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	105	Resp:	30674
Ion Ratio	Lower	Upper	
105	100		
120	41.6	21.9	65.7





#85

sec-Butylbenzene

Concen: 5.105 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 3789

Ion Ratio Lower Upper

105 100

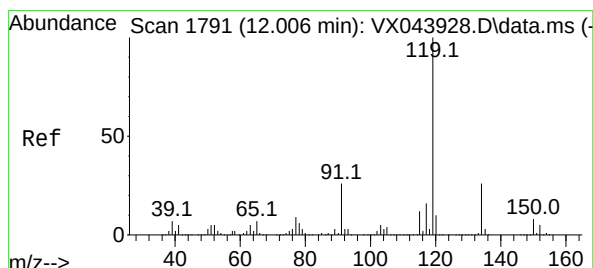
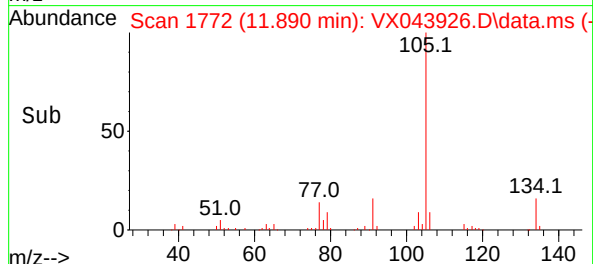
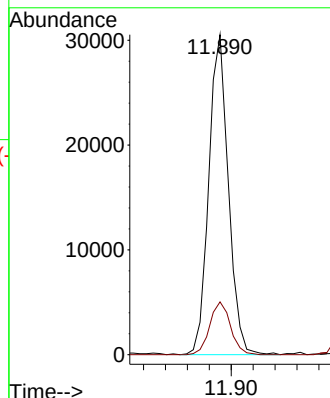
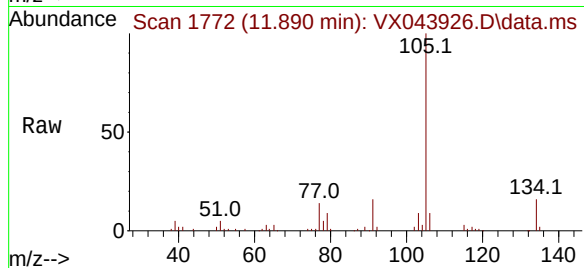
134 17.5 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 4.878 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

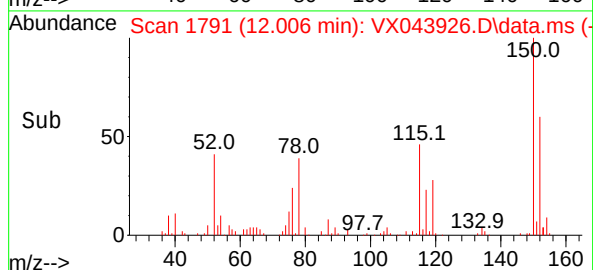
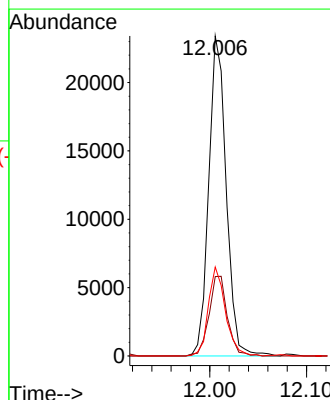
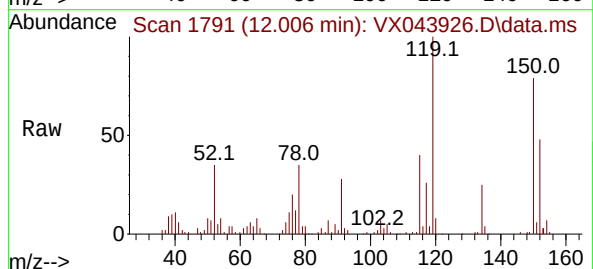
Tgt Ion:119 Resp: 29412

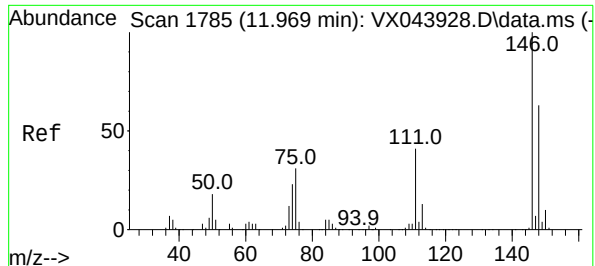
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 27.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 4.959 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 16008

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.3

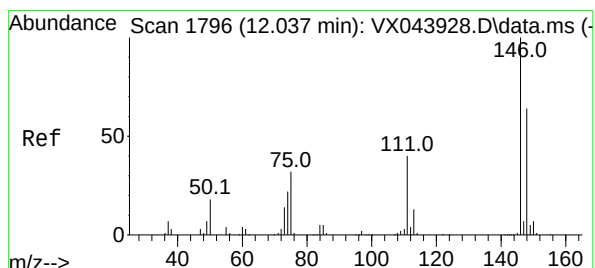
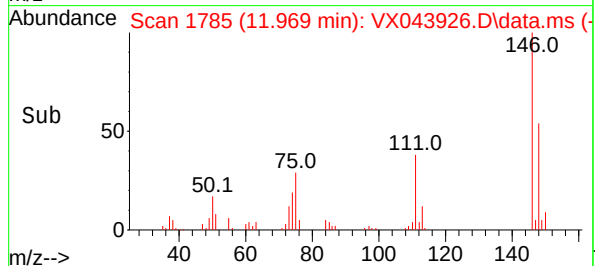
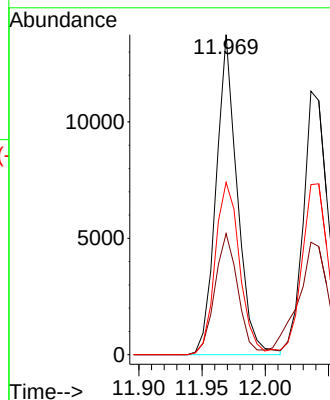
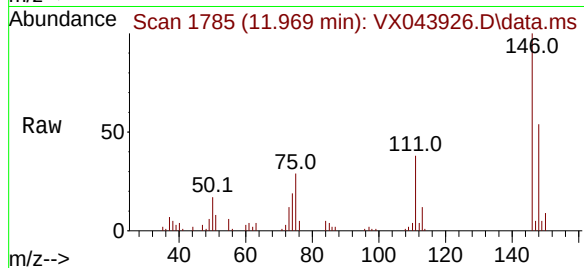
148 62.9 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 4.831 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

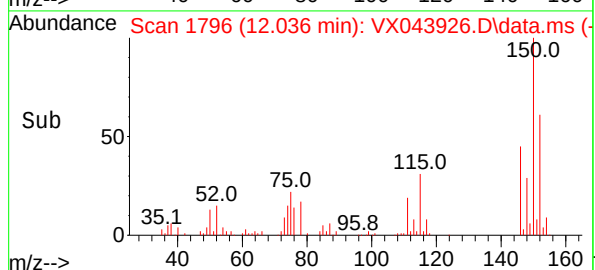
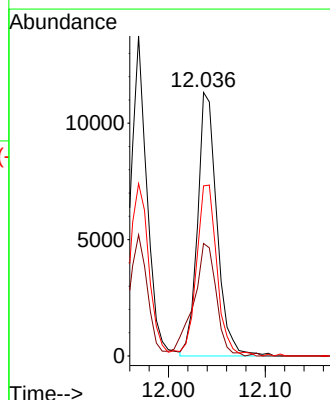
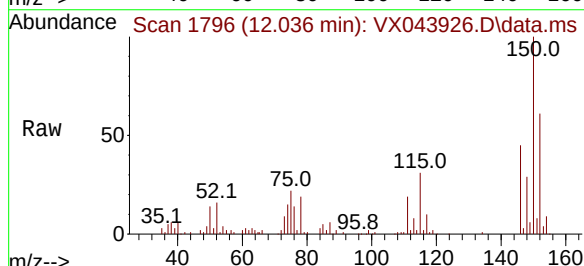
Tgt Ion:146 Resp: 15837

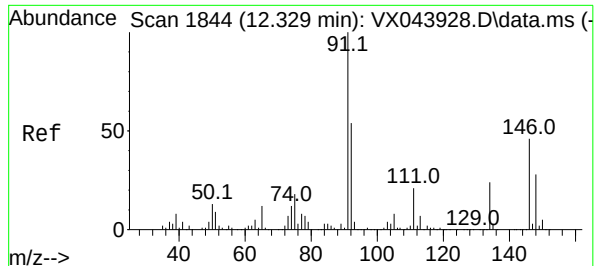
Ion Ratio Lower Upper

146 100

111 50.2 20.1 60.3

148 67.9 30.9 92.8





#89

n-Butylbenzene

Concen: 4.691 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043926.D

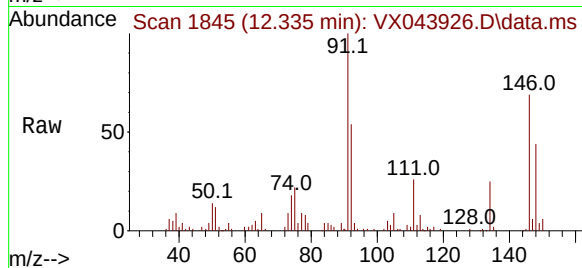
Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

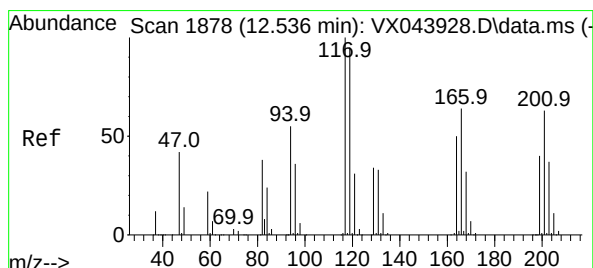
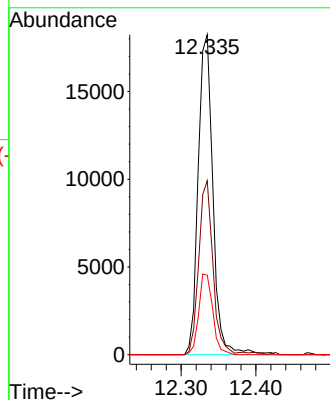
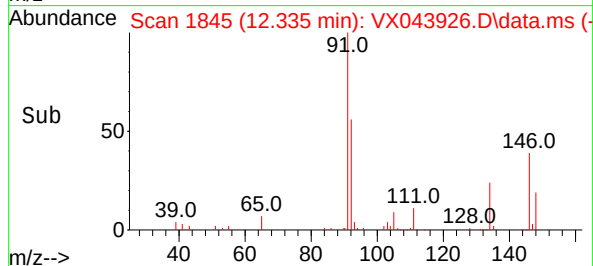


Tgt Ion: 91	Resp: 2493
Ion Ratio	Lower Upper
91	100
92	52.4 26.6 79.8
134	23.9 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 4.173 ug/l

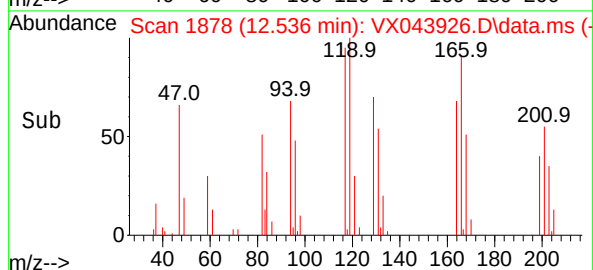
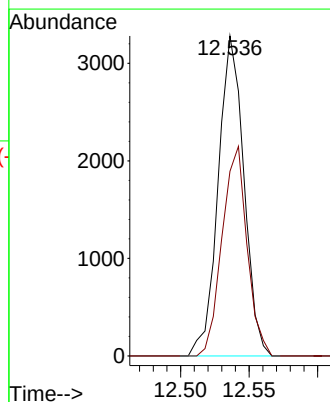
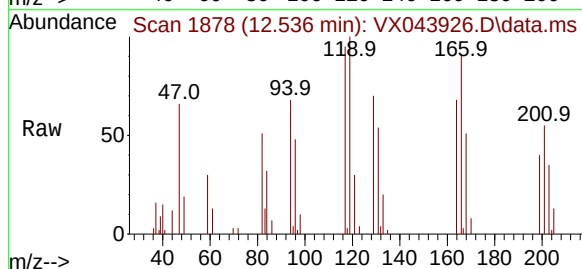
RT: 12.536 min Scan# 1878

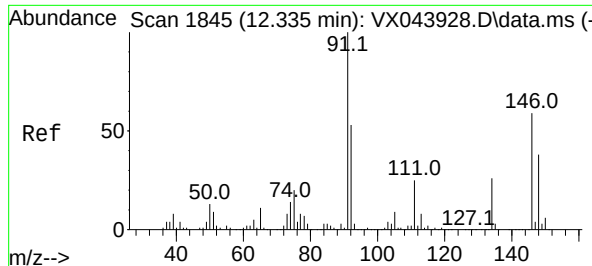
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 117	Resp: 4279
Ion Ratio	Lower Upper
117	100
201	63.6 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 5.140 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

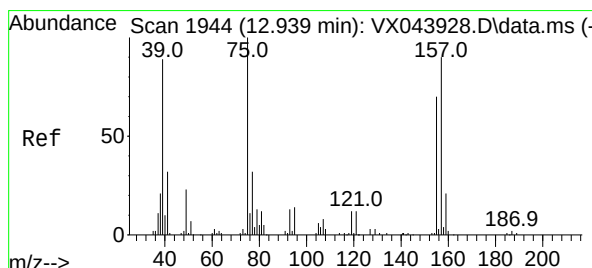
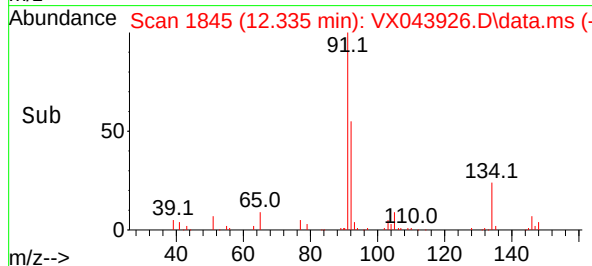
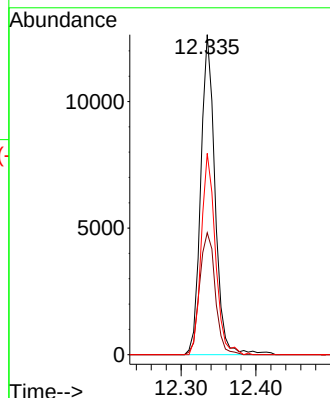
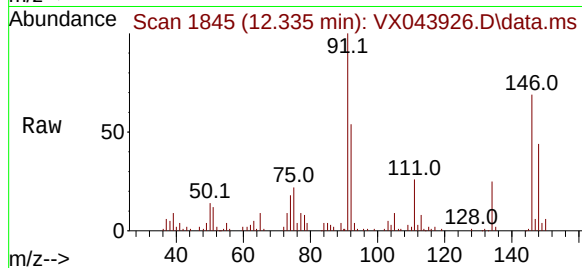
Tgt Ion:	146	Resp:	1674
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.5	64.5
148	62.4	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.814 ug/l

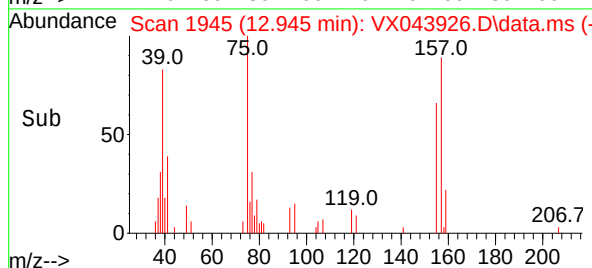
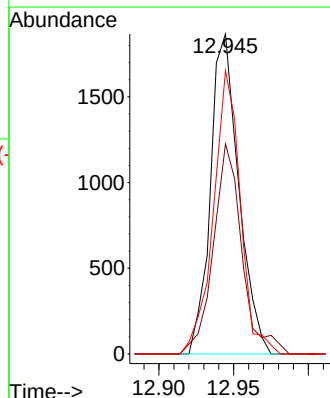
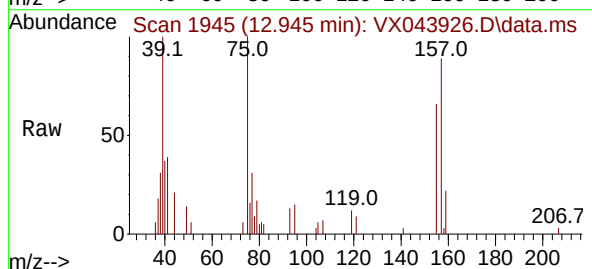
RT: 12.945 min Scan# 1945

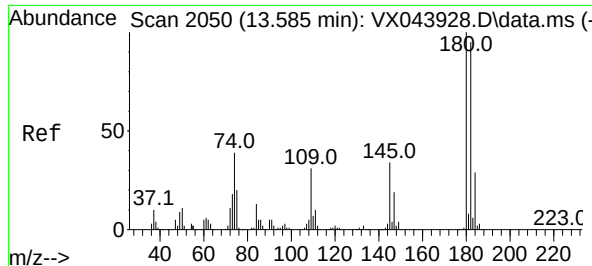
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	75	Resp:	2454
Ion Ratio	Lower	Upper	
75	100		
155	66.2	40.1	120.2
157	84.5	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 4.553 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

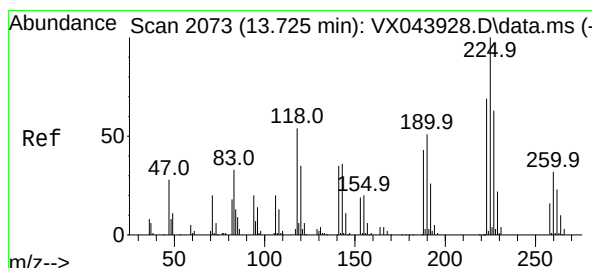
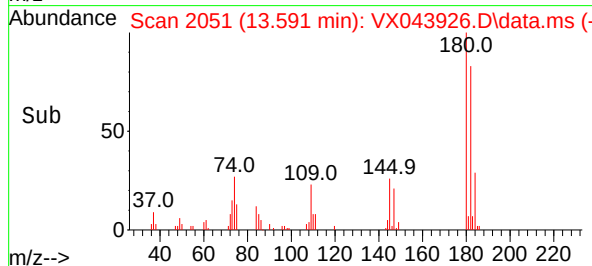
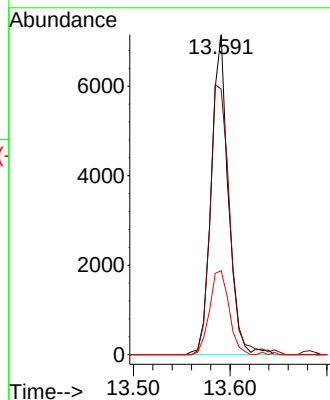
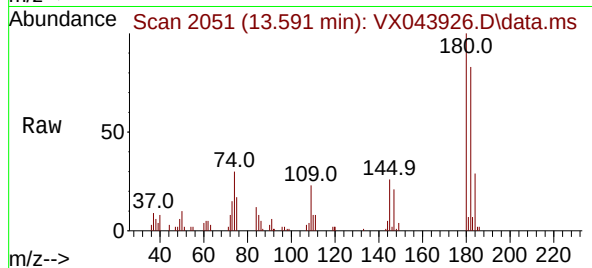
Tgt Ion:	180	Resp:	8740
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.0	144.2
145	30.0	16.8	50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 4.891 ug/l

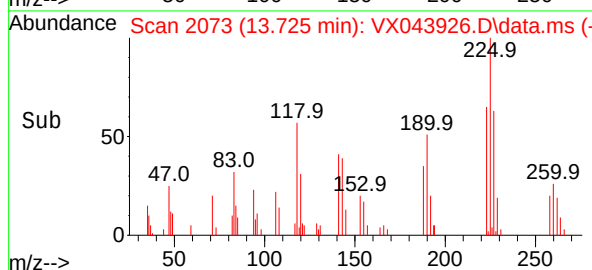
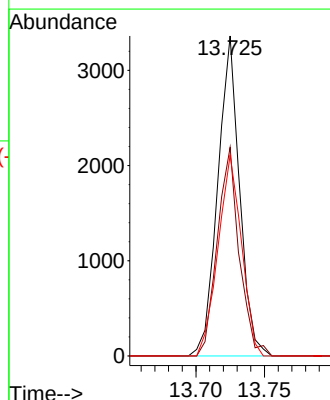
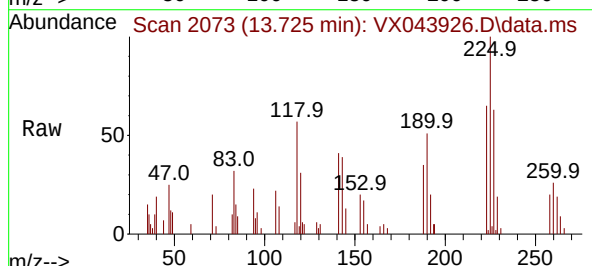
RT: 13.725 min Scan# 2073

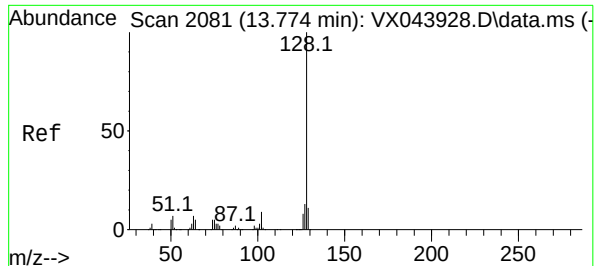
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	225	Resp:	3713
Ion Ratio	Lower	Upper	
225	100		
223	65.4	32.9	98.6
227	67.5	31.6	94.8





#95

Naphthalene

Concen: 4.698 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

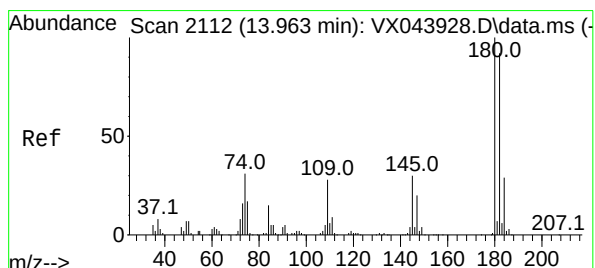
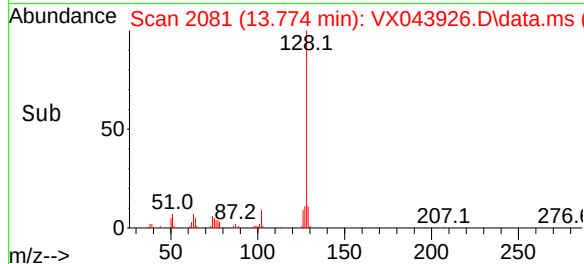
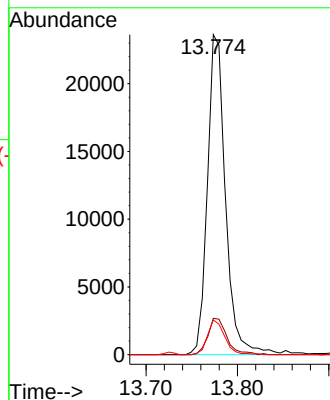
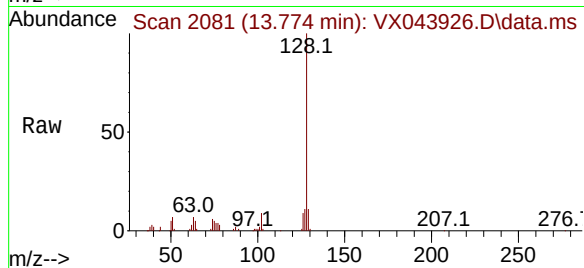
Tgt Ion:	128	Resp:	3248
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 4.773 ug/l

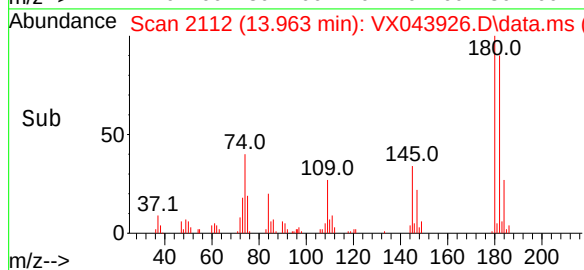
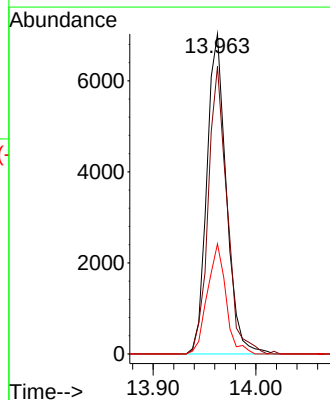
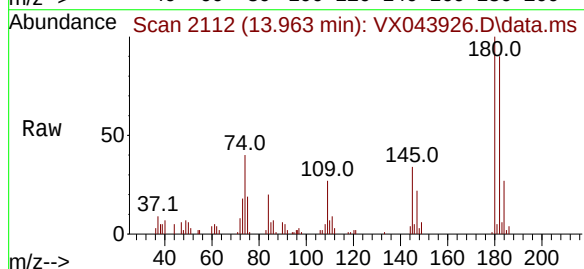
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:	180	Resp:	9280
Ion Ratio	Lower	Upper	
180	100		
182	86.7	45.6	136.8
145	32.7	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 21 11:27:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	137617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	247844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98477	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	48239	22.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	45.640%#
35) Dibromofluoromethane	5.385	113	35015	21.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	42.080%#
50) Toluene-d8	8.647	98	122646	22.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	44.120%#
62) 4-Bromofluorobenzene	11.079	95	41087	22.365	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	44.720%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	35268	25.327	ug/l	98
3) Chloromethane	1.295	50	39622	22.767	ug/l	93
4) Vinyl Chloride	1.374	62	40173	22.975	ug/l	95
5) Bromomethane	1.593	94	24112	30.357	ug/l	98
6) Chloroethane	1.666	64	22213	26.595	ug/l	97
7) Trichlorofluoromethane	1.868	101	73464	29.469	ug/l	99
8) Diethyl Ether	2.136	74	25875	27.531	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	22.561	ug/l	96
10) Methyl Iodide	2.441	142	43047	20.733	ug/l	94
11) Tert butyl alcohol	3.002	59	36554	108.748	ug/l	100
12) 1,1-Dichloroethene	2.307	96	32180	22.474	ug/l	96
13) Acrolein	2.240	56	35249	93.505	ug/l	99
14) Allyl chloride	2.660	41	53053	22.853	ug/l #	88
15) Acrylonitrile	3.069	53	94417	109.118	ug/l	99
16) Acetone	2.386	43	110373	130.004	ug/l	89
17) Carbon Disulfide	2.502	76	59349	18.983	ug/l	98
18) Methyl Acetate	2.709	43	50136	21.564	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	121776	23.009	ug/l	100
20) Methylene Chloride	2.788	84	37633	21.177	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	33545	21.489	ug/l	100
22) Diisopropyl ether	3.764	45	119475	23.557	ug/l	91
23) Vinyl Acetate	3.721	43	504408	122.699	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	22.540	ug/l	99
25) 2-Butanone	4.568	43	148152	124.741	ug/l	97
26) 2,2-Dichloropropane	4.471	77	58444	23.843	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	41866	21.551	ug/l	94
28) Bromochloromethane	4.891	49	26507	21.119	ug/l	90
29) Tetrahydrofuran	5.013	42	87736	114.321	ug/l	98
30) Chloroform	5.087	83	72049	23.172	ug/l	97
31) Cyclohexane	5.458	56	53731	22.225	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62394	23.474	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44465	21.438	ug/l	99
37) Ethyl Acetate	4.715	43	54426	23.316	ug/l	97
38) Carbon Tetrachloride	5.672	117	48701	22.179	ug/l	99
39) Methylcyclohexane	7.379	83	55958	21.551	ug/l	99
40) Benzene	6.025	78	144401	22.144	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 21 11:27:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28938	23.789	ug/l	95
42) 1,2-Dichloroethane	6.086	62	57981	24.487	ug/l	98
43) Isopropyl Acetate	6.349	43	88577	24.054	ug/l	94
44) Trichloroethene	7.117	130	36440	20.270	ug/l	95
45) 1,2-Dichloropropane	7.428	63	35791	22.394	ug/l	97
46) Dibromomethane	7.580	93	27799	23.082	ug/l	96
47) Bromodichloromethane	7.818	83	49665	23.471	ug/l #	94
48) Methyl methacrylate	7.690	41	41962	22.991	ug/l #	87
49) 1,4-Dioxane	7.665	88	12071	310.503	ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	278479	121.285	ug/l	95
52) Toluene	8.714	92	87569	23.277	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	50294	23.425	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	56407	23.184	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	37148	25.308	ug/l	96
56) Ethyl methacrylate	9.116	69	56585	24.347	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	61420	24.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	112.277	ug/l	96
59) 2-Hexanone	9.433	43	213629	131.869	ug/l	93
60) Dibromochloromethane	9.519	129	34133	23.864	ug/l	100
61) 1,2-Dibromoethane	9.610	107	36985	24.156	ug/l	99
64) Tetrachloroethene	9.269	164	29274	20.948	ug/l	98
65) Chlorobenzene	10.080	112	96469	21.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	21.360	ug/l	98
67) Ethyl Benzene	10.189	91	166435	21.731	ug/l	98
68) m/p-Xylenes	10.299	106	122658	42.997	ug/l	95
69) o-Xylene	10.640	106	60254	21.648	ug/l	94
70) Styrene	10.653	104	102329	22.308	ug/l	97
71) Bromoform	10.799	173	19329	19.555	ug/l #	97
73) Isopropylbenzene	10.964	105	157405	22.393	ug/l	99
74) N-amyl acetate	10.842	43	73525	23.459	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	22.787	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	45423m	22.601	ug/l	
77) Bromobenzene	11.195	156	37631	21.843	ug/l	97
78) n-propylbenzene	11.305	91	176034	22.696	ug/l	98
79) 2-Chlorotoluene	11.360	91	112986	22.894	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	22.662	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	20.654	ug/l	88
82) 4-Chlorotoluene	11.451	91	125521	22.085	ug/l	99
83) tert-Butylbenzene	11.713	119	128636	21.582	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	132595	22.408	ug/l	99
85) sec-Butylbenzene	11.890	105	156312	21.962	ug/l	98
86) p-Isopropyltoluene	12.006	119	130605	21.854	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.986	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.527	ug/l	98
89) n-Butylbenzene	12.329	91	110491	21.698	ug/l	98
90) Hexachloroethane	12.536	117	19547	19.432	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	67852	20.298	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	20.259	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.894	ug/l	100
94) Hexachlorobutadiene	13.725	225	14818	18.508	ug/l	91
95) Naphthalene	13.774	128	145678	19.999	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.415	ug/l	97

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Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

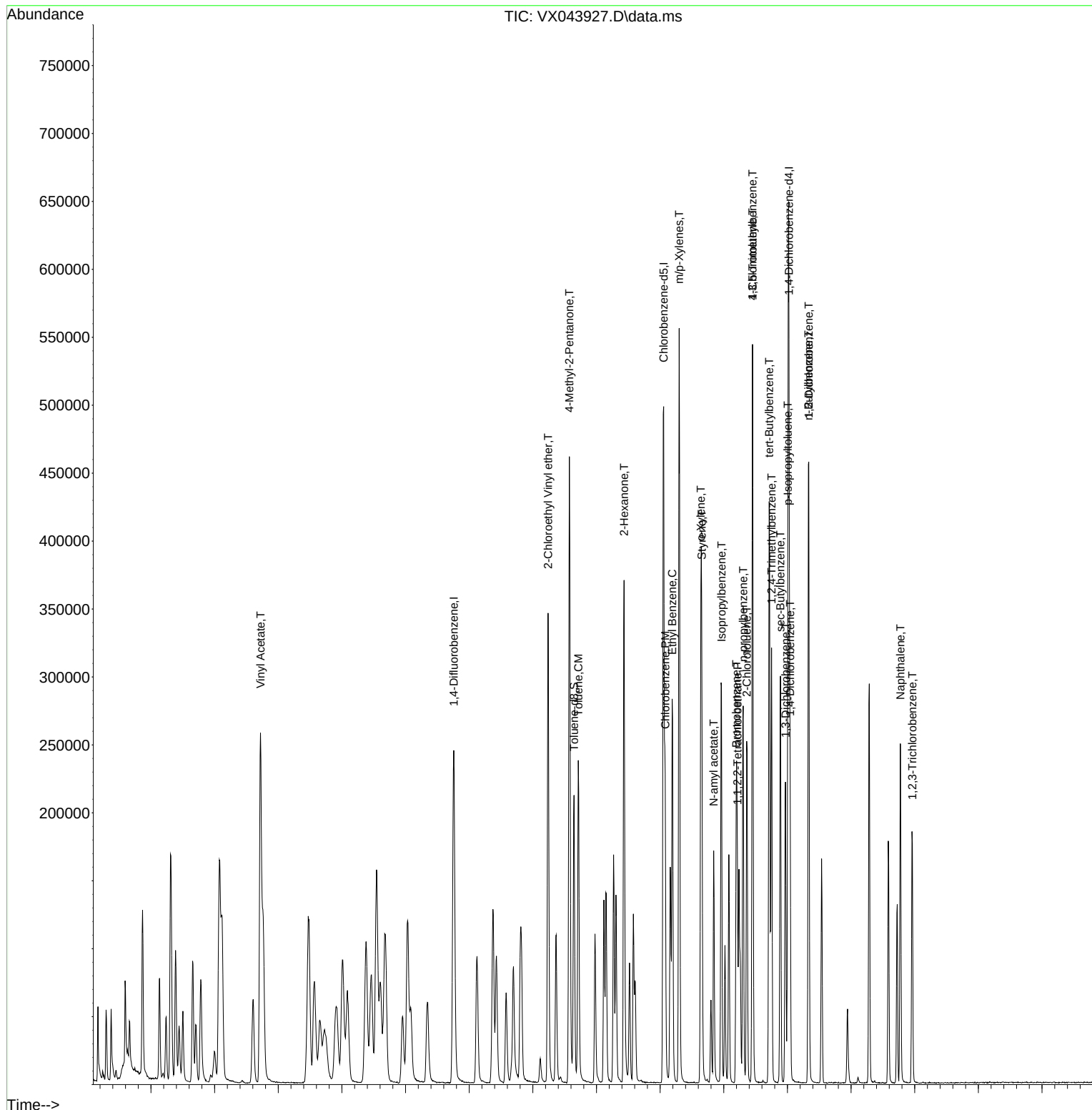
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Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

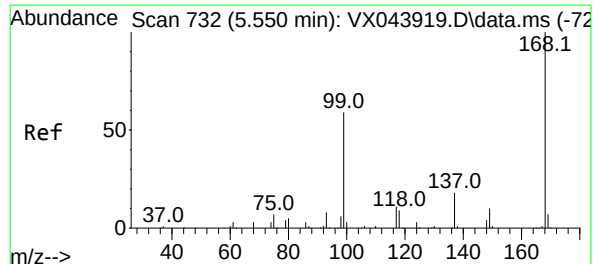
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MSVOA_X
ClientSampleId :
VSTDICC020

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Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024





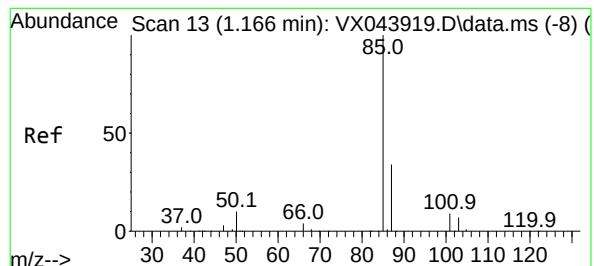
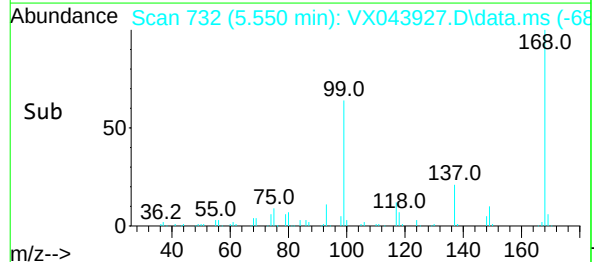
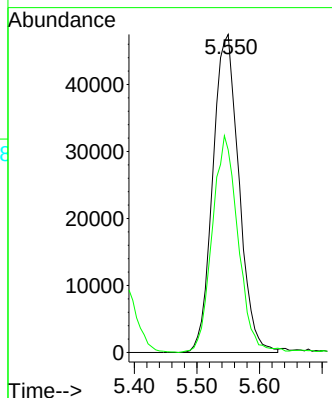
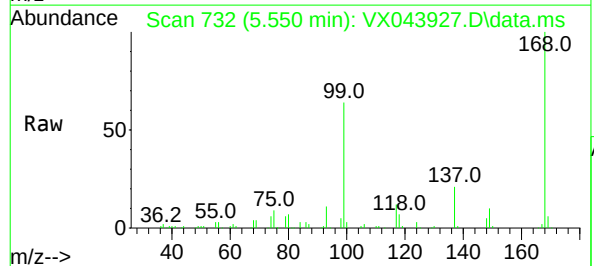
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 168 Resp: 137617
Ion Ratio Lower Upper
168 100
99 63.7 46.9 70.3

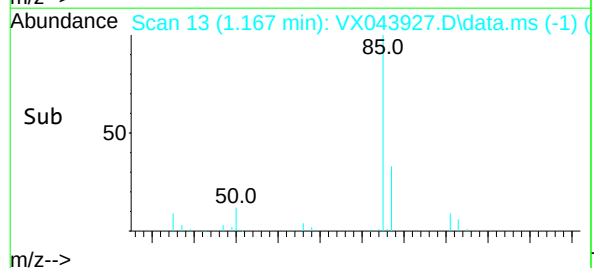
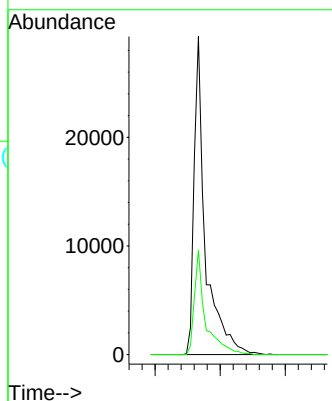
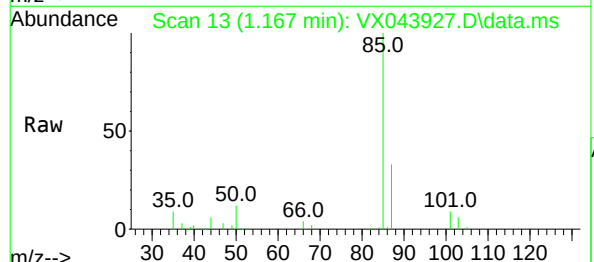
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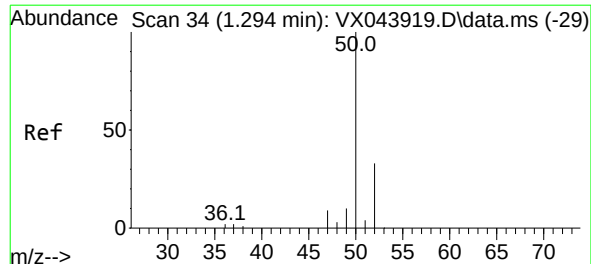
Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 25.327 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268
Ion Ratio Lower Upper
85 100
87 32.8 17.1 51.2





#3

Chloromethane

Concen: 22.767 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 50 Resp: 39622

Ion Ratio Lower Upper

50 100

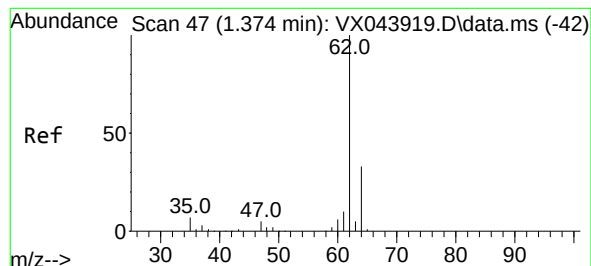
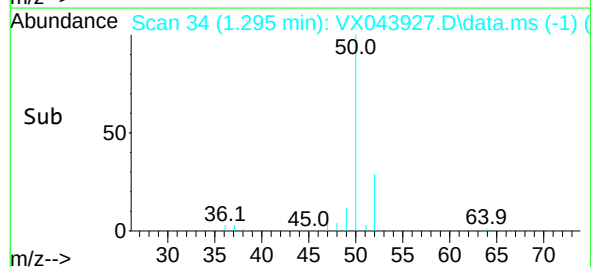
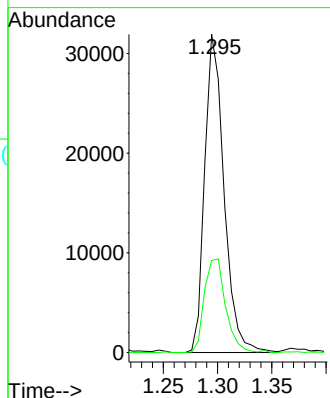
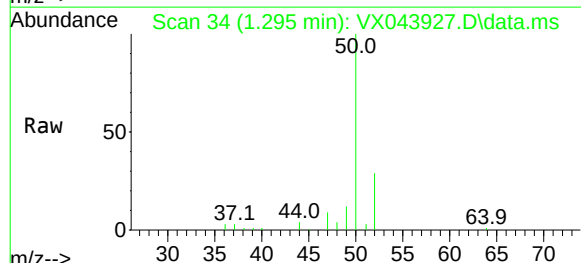
52 28.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 22.975 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043927.D

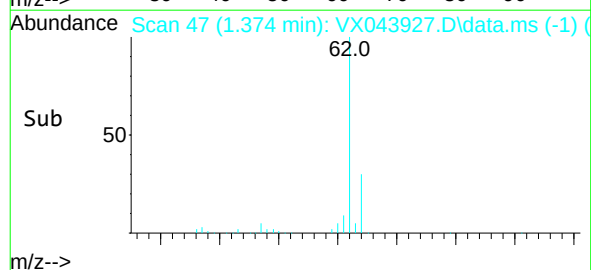
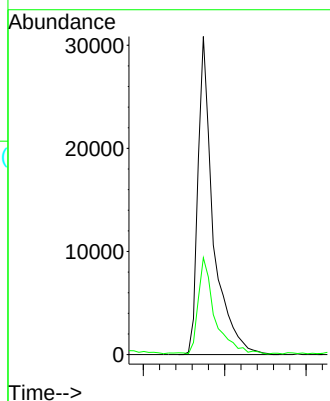
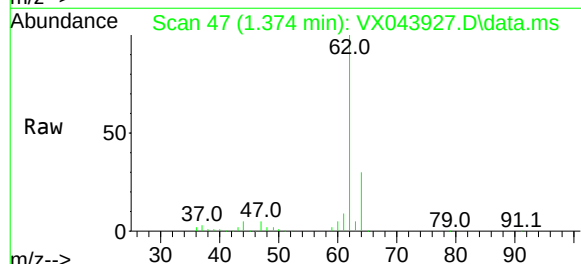
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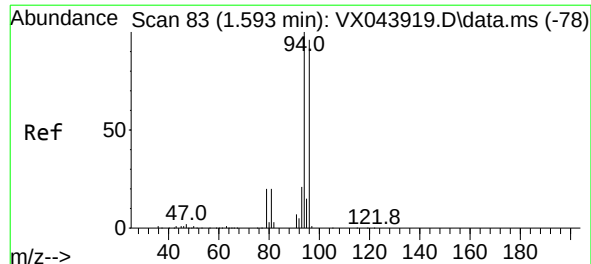
Tgt Ion: 62 Resp: 40173

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 30.357 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 24112

Ion Ratio Lower Upper

94 100

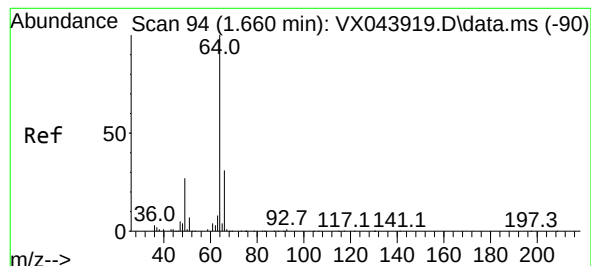
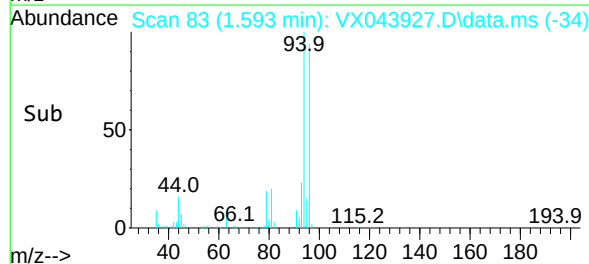
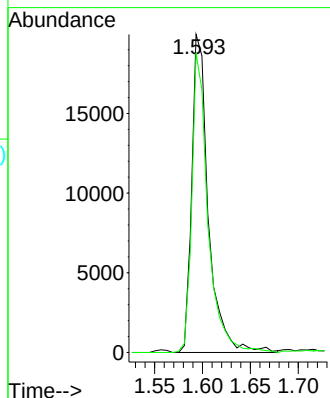
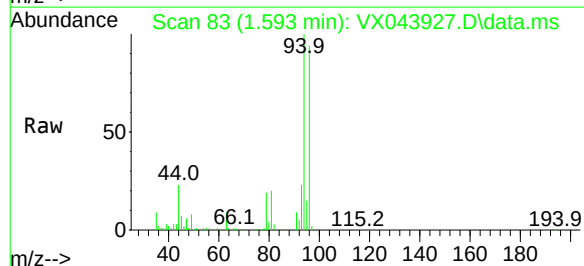
96 94.1 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 26.595 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043927.D

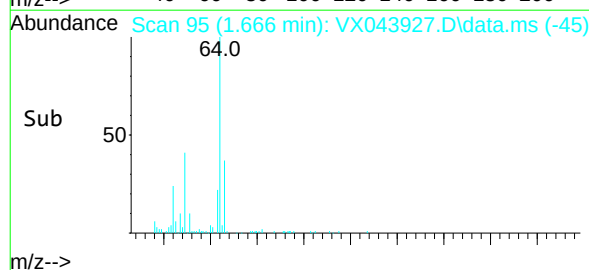
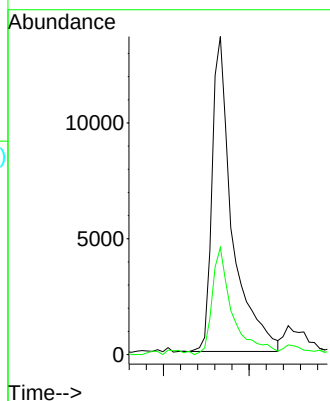
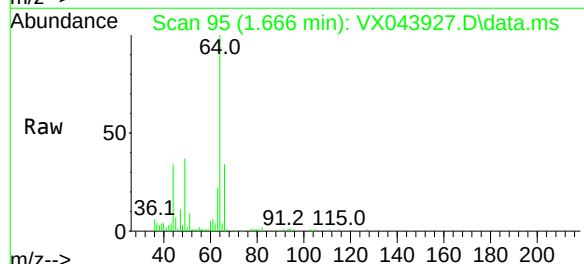
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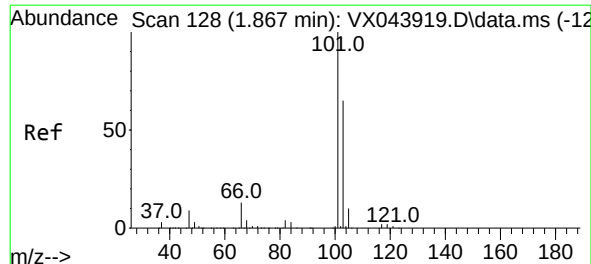
Tgt Ion: 64 Resp: 22213

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3





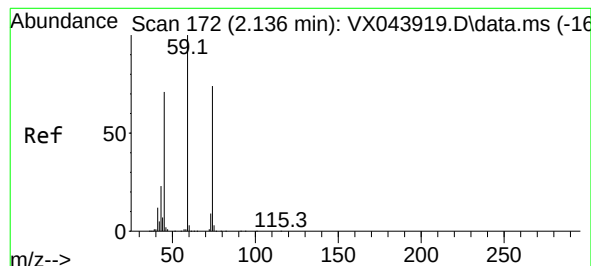
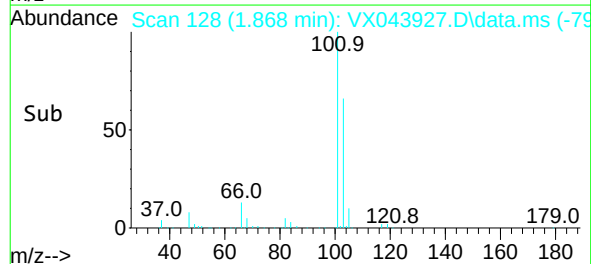
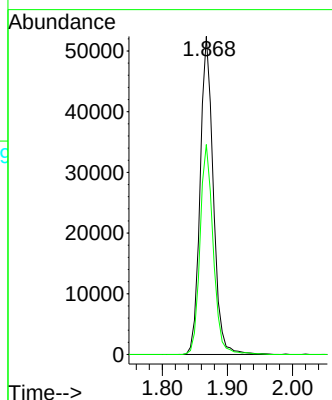
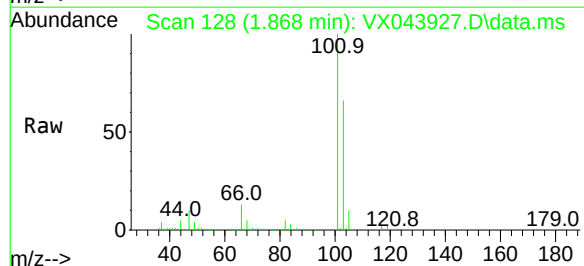
#7
Trichlorofluoromethane
Concen: 29.469 ug/l
RT: 1.868 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 101 Resp: 73464
Ion Ratio Lower Upper
101 100
103 66.0 52.2 78.4

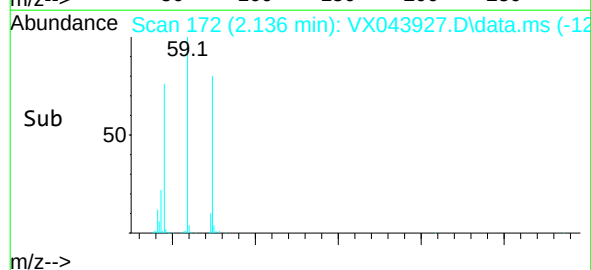
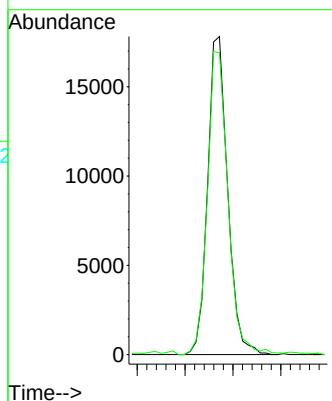
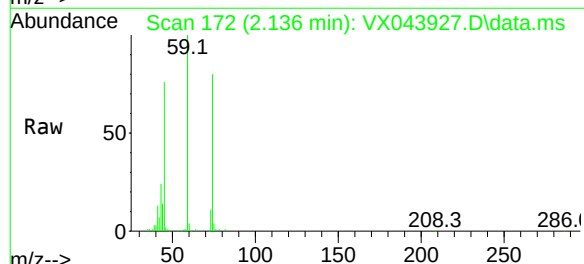
Manual Integrations
APPROVED

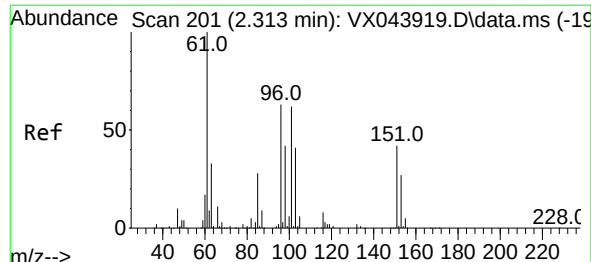
Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024



#8
Diethyl Ether
Concen: 27.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875
Ion Ratio Lower Upper
74 100
45 98.4 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.561 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX043927.D

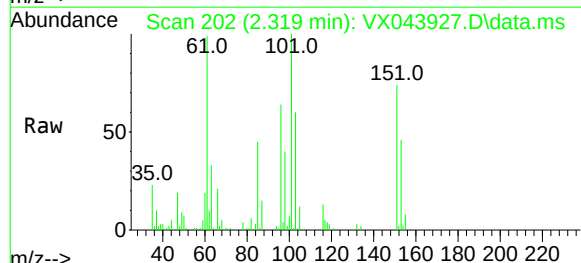
Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

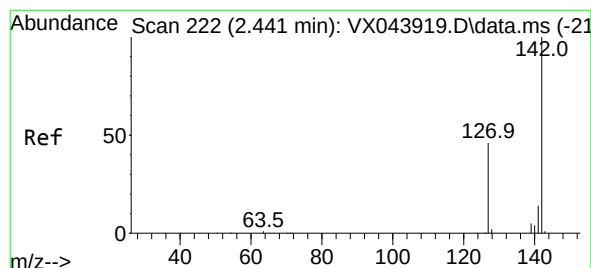
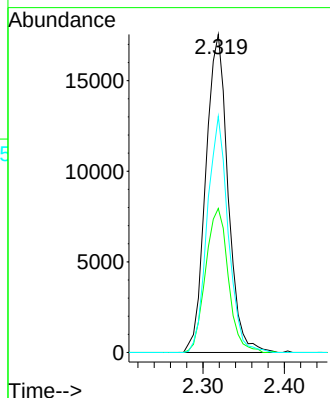
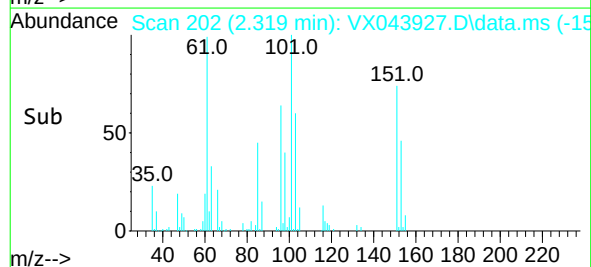
VSTDICC020



Tgt Ion:	101	Resp:	33284
Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.6	54.8
151	70.1	59.8	89.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10

Methyl Iodide

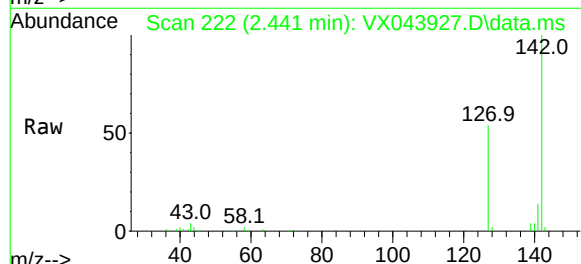
Concen: 20.733 ug/l

RT: 2.441 min Scan# 222

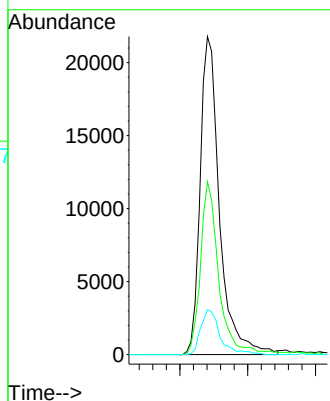
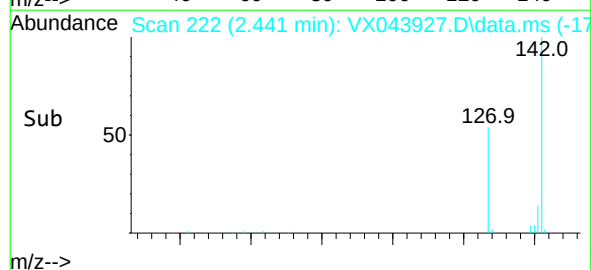
Delta R.T. 0.000 min

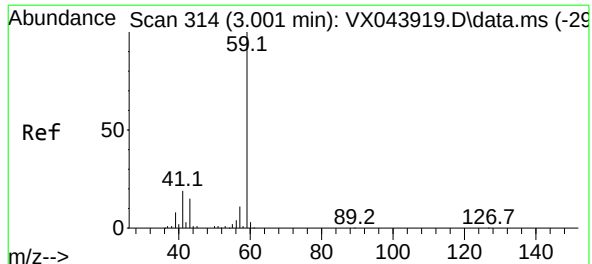
Lab File: VX043927.D

Acq: 21 Nov 2024 10:37



Tgt Ion:	142	Resp:	43047
Ion	Ratio	Lower	Upper
142	100		
127	51.8	37.3	55.9
141	14.2	11.4	17.2





#11

Tert butyl alcohol

Concen: 108.748 ug/l

RT: 3.002 min Scan# 314

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 36554

Ion Ratio Lower Upper

59 100

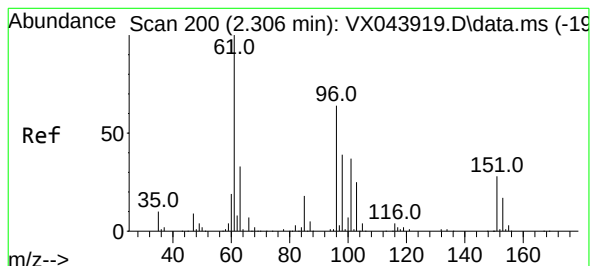
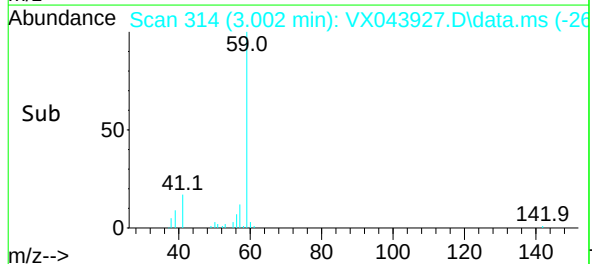
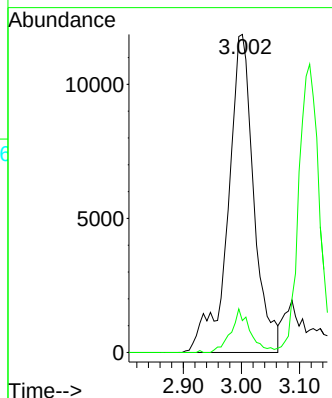
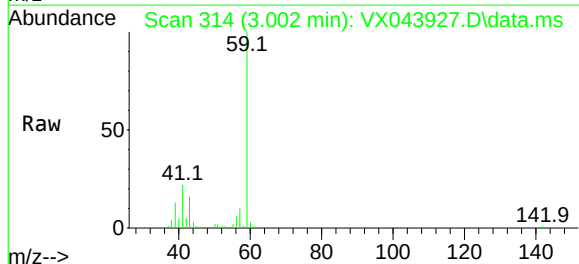
57 10.3 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 22.474 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

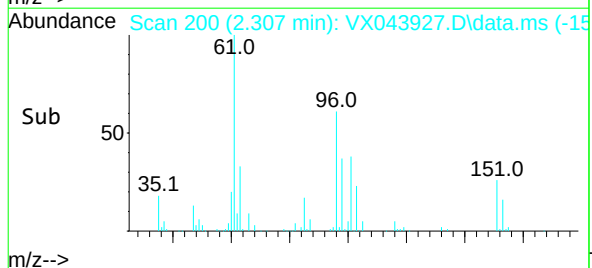
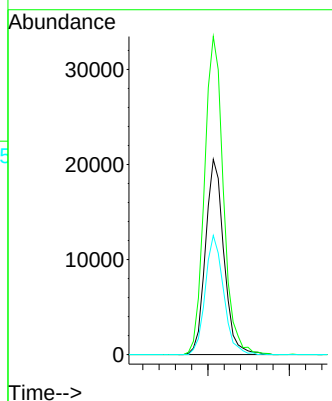
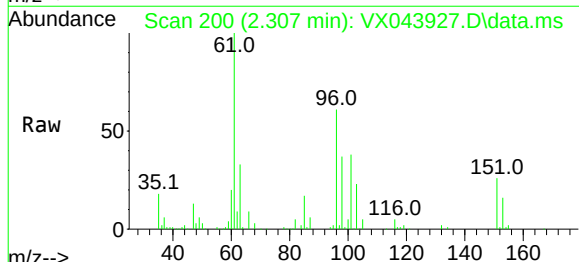
Tgt Ion: 96 Resp: 32180

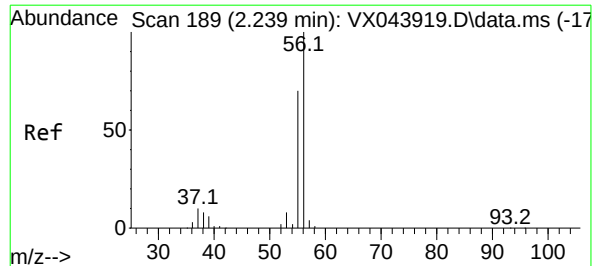
Ion Ratio Lower Upper

96 100

61 162.9 124.6 187.0

98 61.0 49.0 73.6





#13

Acrolein

Concen: 93.505 ug/l

RT: 2.240 min Scan# 18

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 35249

Ion Ratio Lower Upper

56 100

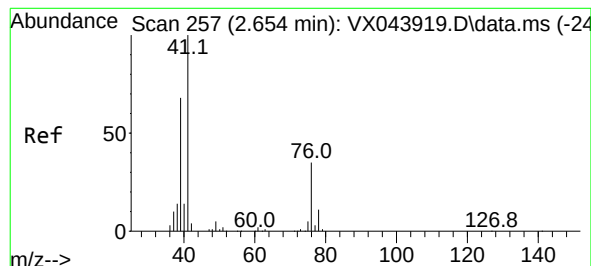
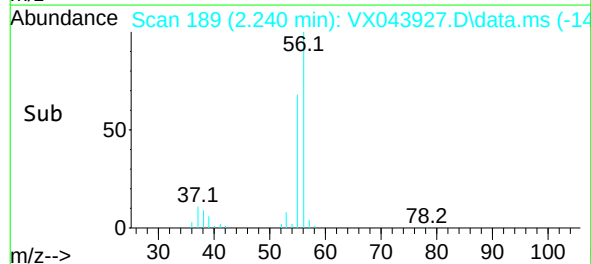
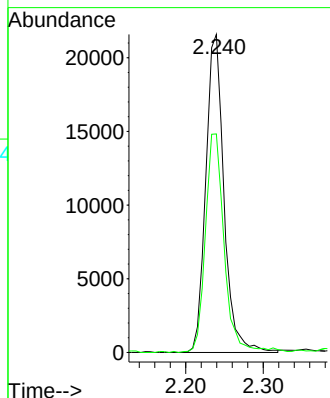
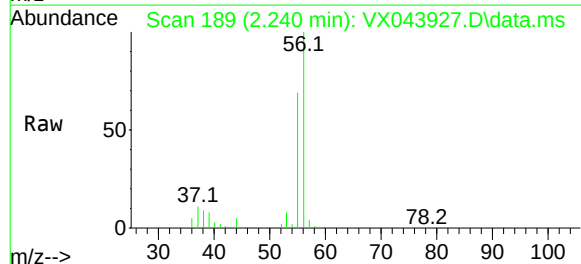
55 71.2 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 22.853 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

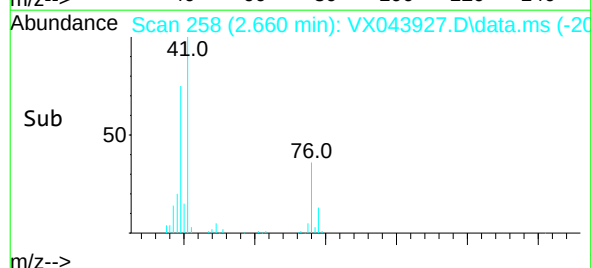
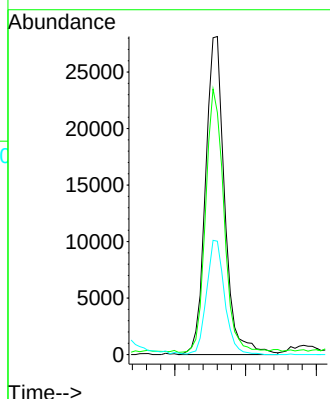
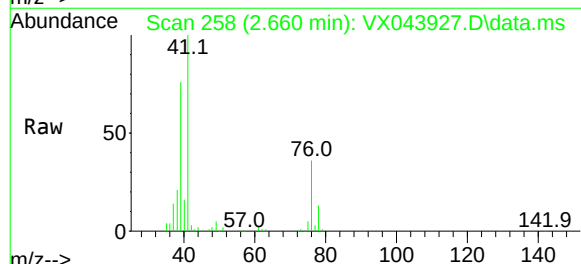
Tgt Ion: 41 Resp: 53053

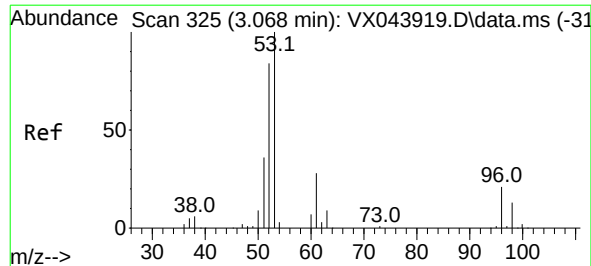
Ion Ratio Lower Upper

41 100

39 78.7 51.7 77.5#

76 33.9 28.2 42.2





#15

Acrylonitrile

Concen: 109.118 ug/l

RT: 3.069 min Scan# 32

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

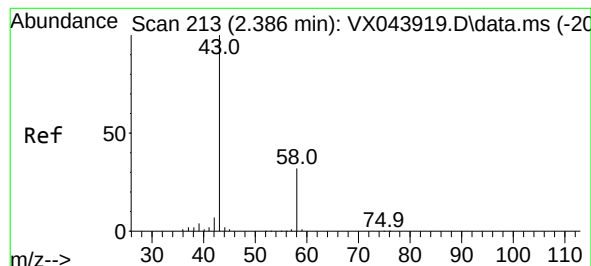
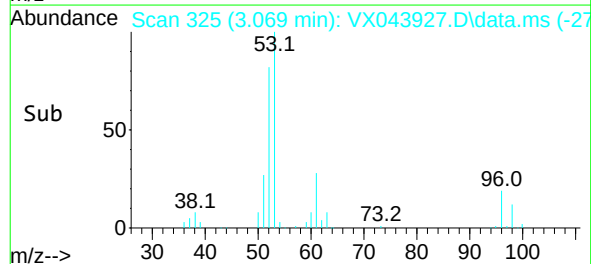
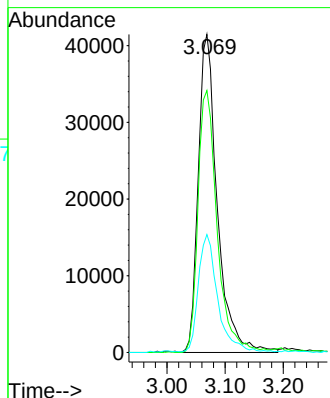
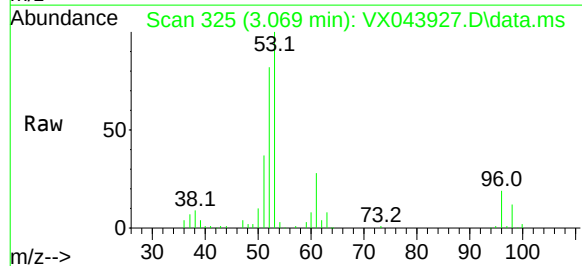
ClientSampleId :

VSTDICC020

Tgt Ion:	53	Resp:	94417
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.1	28.6	42.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 130.004 ug/l

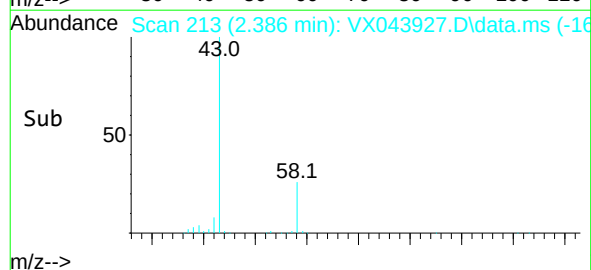
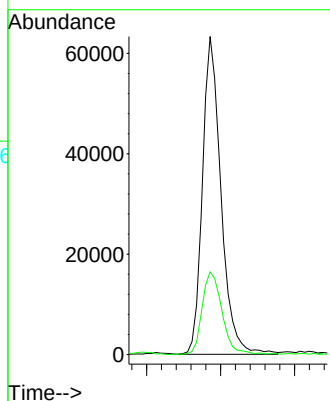
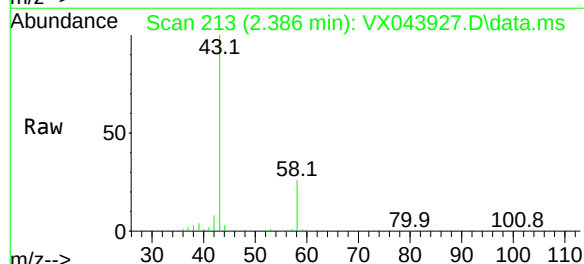
RT: 2.386 min Scan# 213

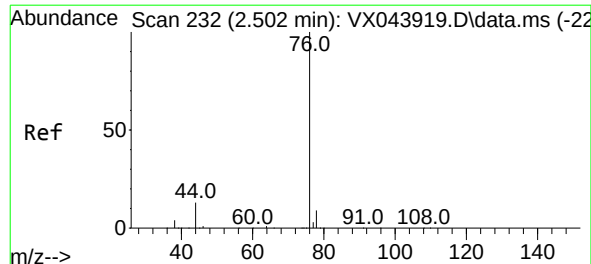
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	43	Resp:	110373
Ion	Ratio	Lower	Upper
43	100		
58	25.9	25.8	38.6





#17

Carbon Disulfide

Concen: 18.983 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 59349

Ion Ratio Lower Upper

76 100

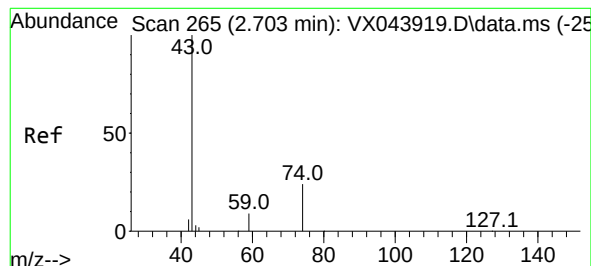
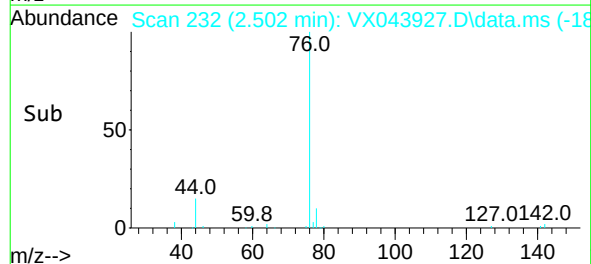
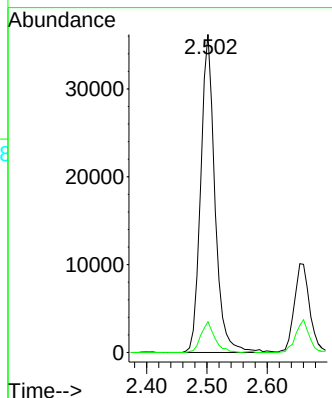
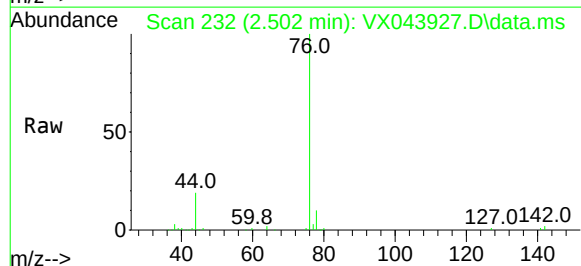
78 9.7 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 21.564 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX043927.D

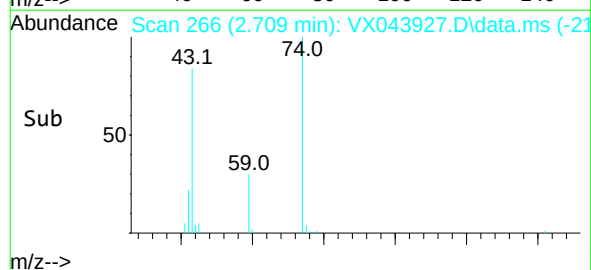
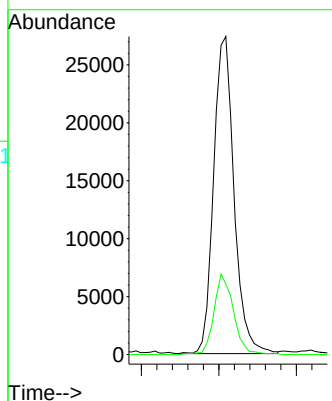
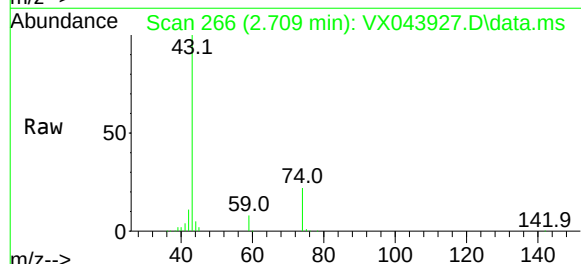
Acq: 21 Nov 2024 10:37

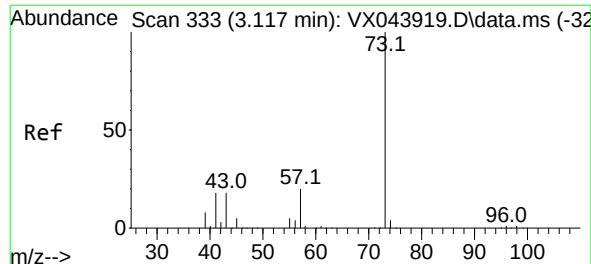
Tgt Ion: 43 Resp: 50136

Ion Ratio Lower Upper

43 100

74 24.4 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 23.009 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 121776

Ion Ratio Lower Upper

73 100

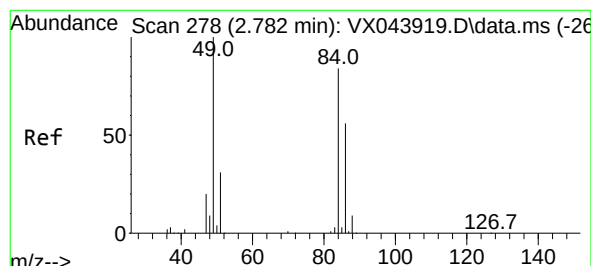
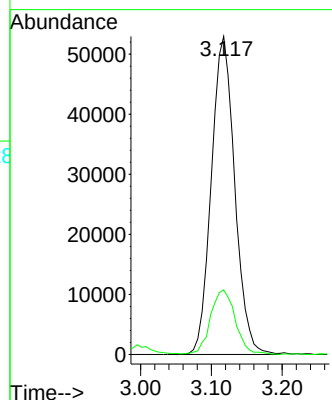
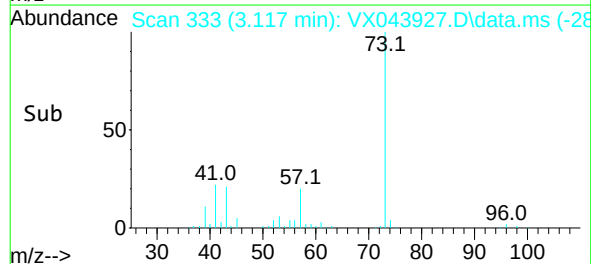
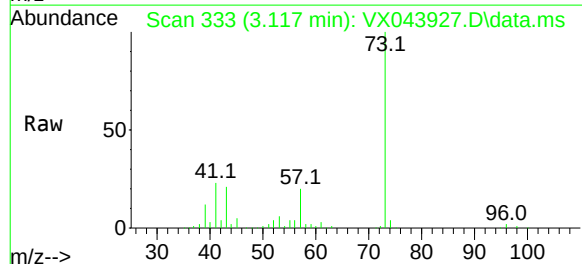
57 20.3 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 21.177 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

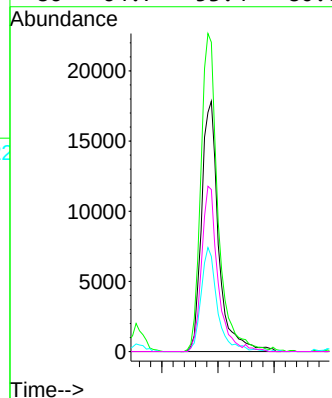
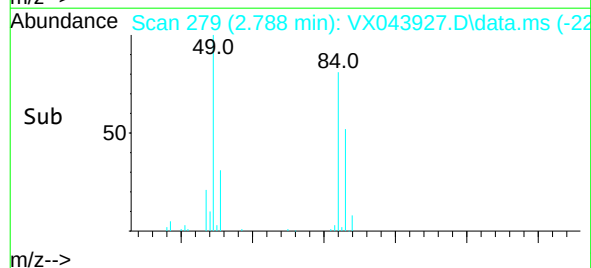
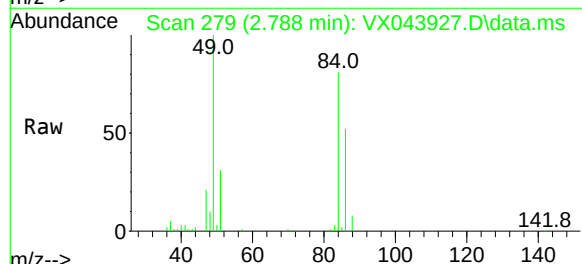
Ion Ratio Lower Upper

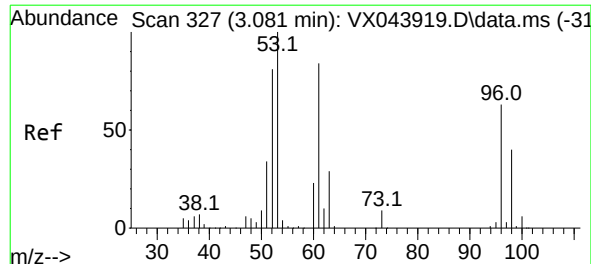
84 100

49 123.5 95.1 142.7

51 38.0 29.2 43.8

86 64.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.489 ug/l

RT: 3.087 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

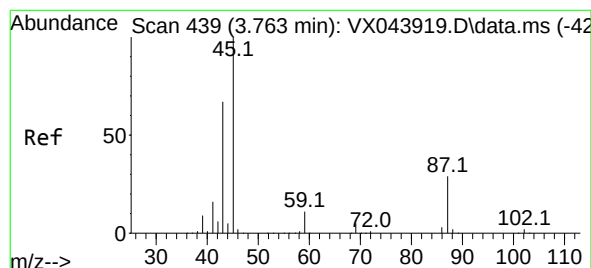
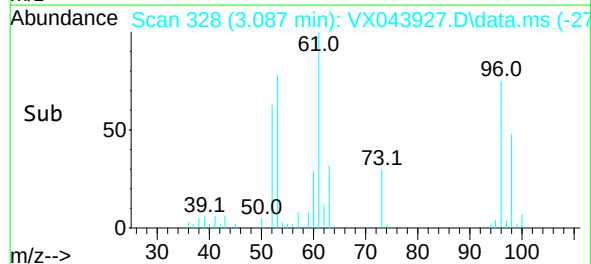
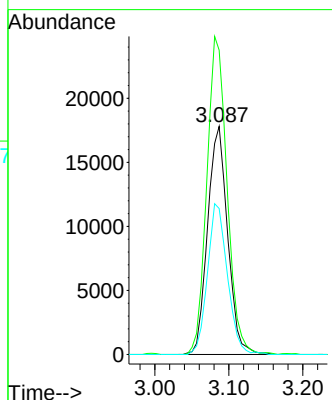
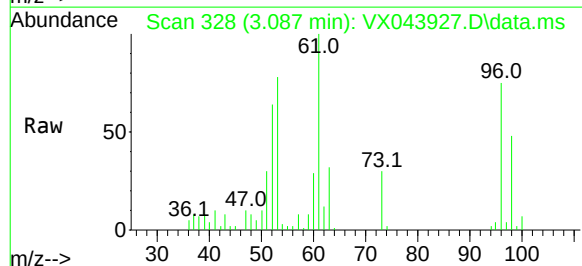
ClientSampleId :

VSTDICC020

Tgt Ion:	96	Resp:	33545
Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.4	159.6
98	64.0	50.9	76.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 23.557 ug/l

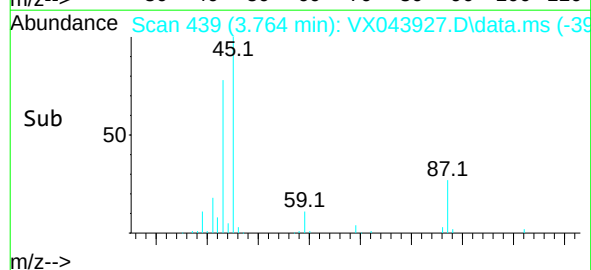
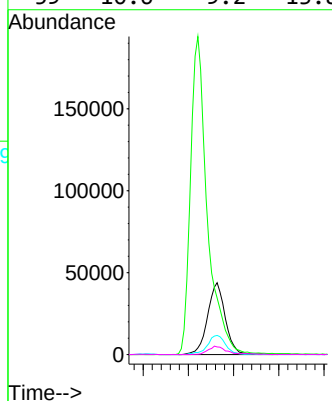
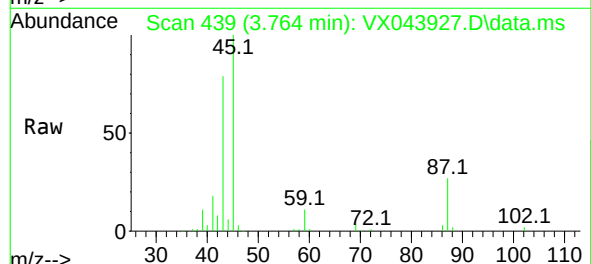
RT: 3.764 min Scan# 439

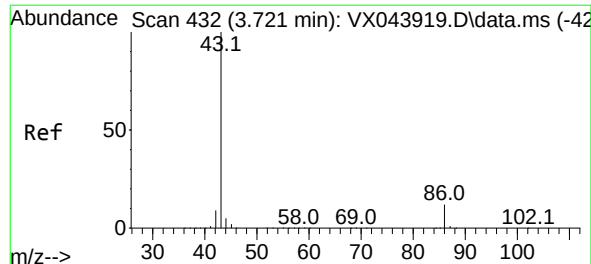
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	45	Resp:	119475
Ion	Ratio	Lower	Upper
45	100		
43	77.4	53.8	80.6
87	26.6	23.4	35.2
59	10.6	9.2	13.8





#23

Vinyl Acetate

Concen: 122.699 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 504408

Ion Ratio Lower Upper

43 100

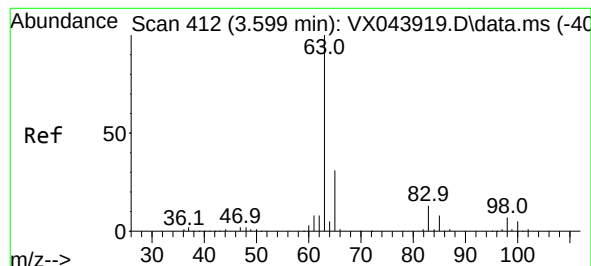
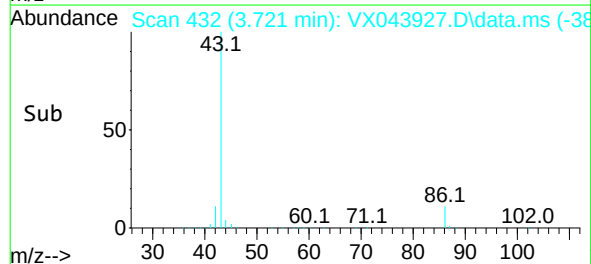
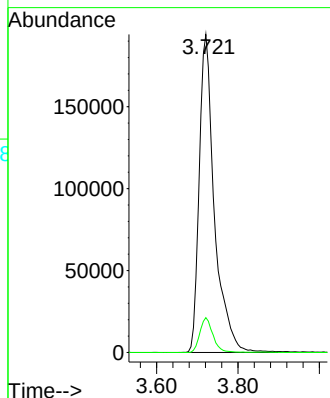
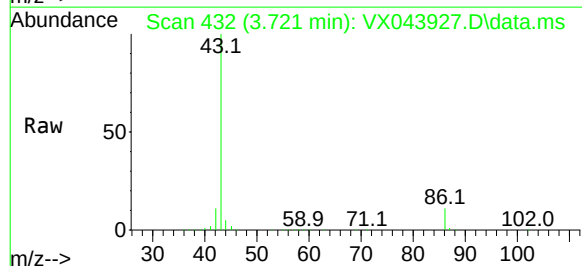
86 11.0 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 22.540 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

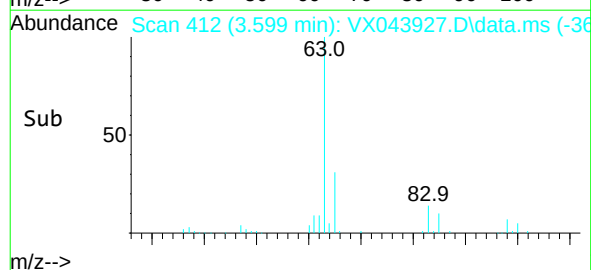
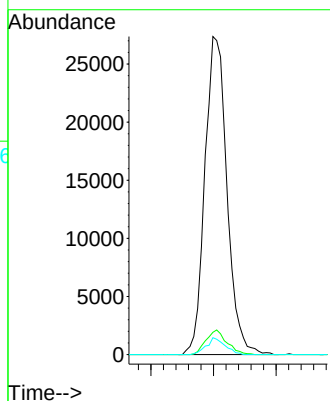
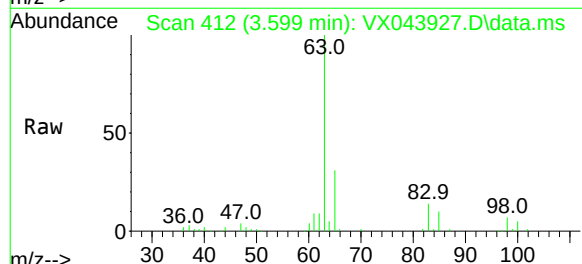
Tgt Ion: 63 Resp: 67233

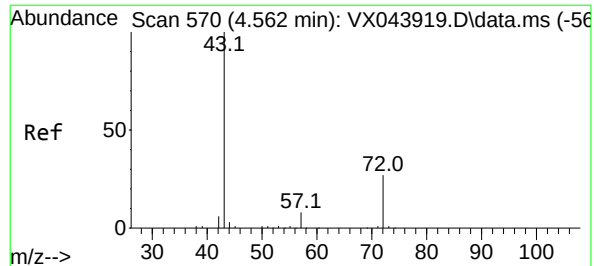
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 124.741 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 148152

Ion Ratio Lower Upper

43 100

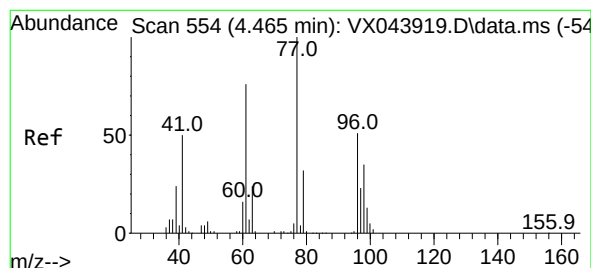
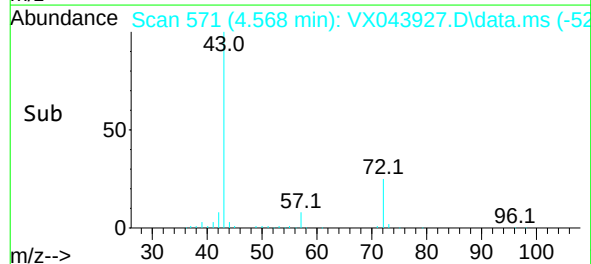
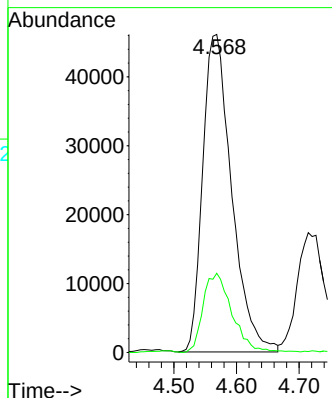
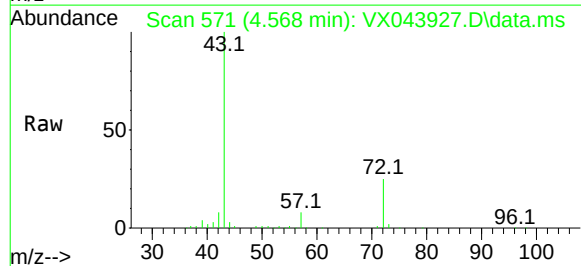
72 24.8 21.3 31.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 23.843 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043927.D

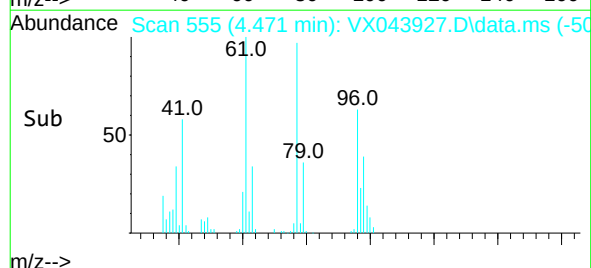
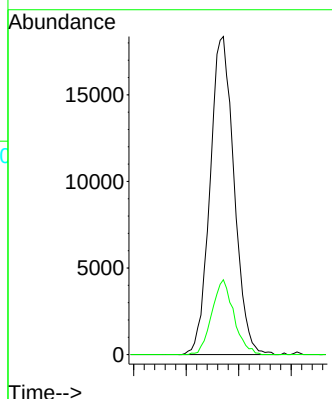
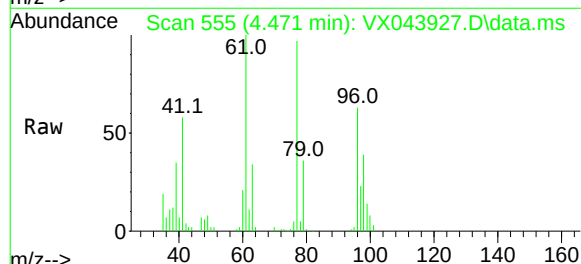
Acq: 21 Nov 2024 10:37

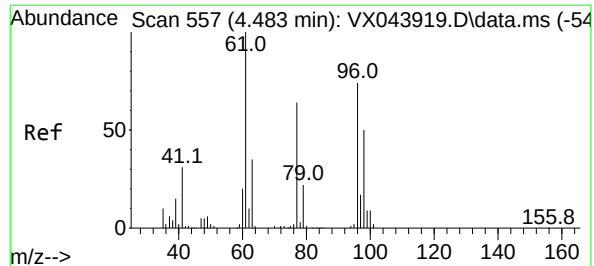
Tgt Ion: 77 Resp: 58444

Ion Ratio Lower Upper

77 100

97 21.5 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 21.551 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 41866

Ion Ratio Lower Upper

96 100

61 149.9 0.0 279.4

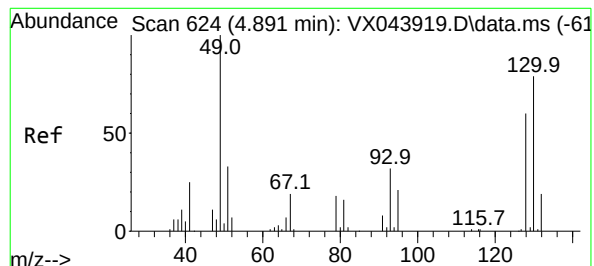
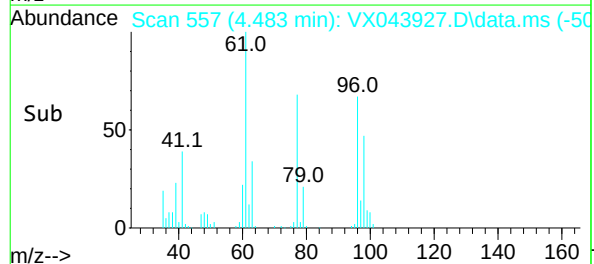
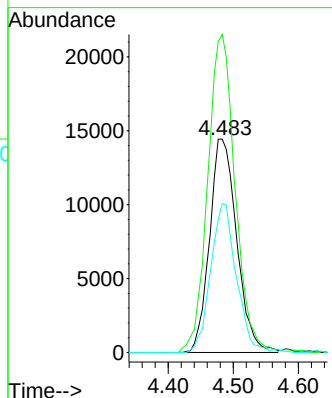
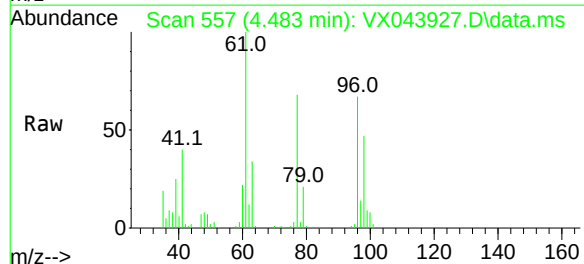
98 66.3 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 21.119 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

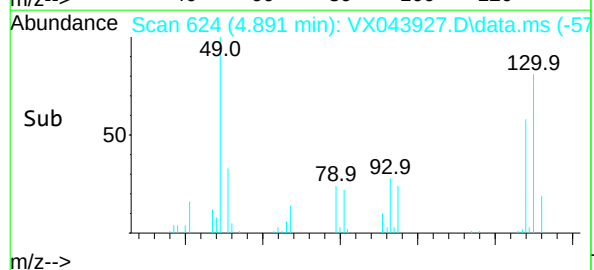
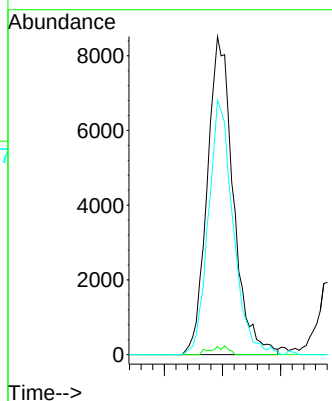
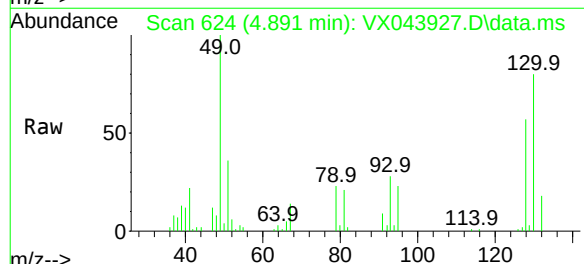
Tgt Ion: 49 Resp: 26507

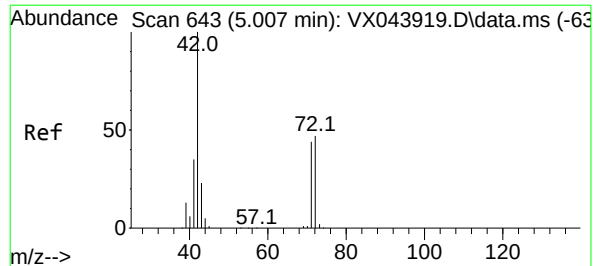
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

130 75.8 68.2 102.2





#29

Tetrahydrofuran

Concen: 114.321 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 87736

Ion Ratio Lower Upper

42 100

72 45.8 37.9 56.9

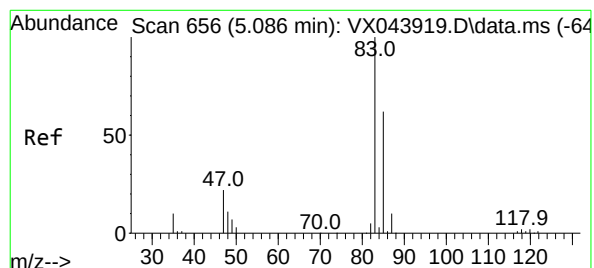
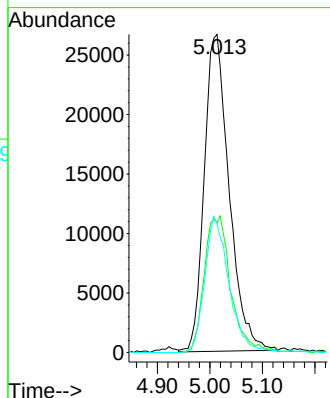
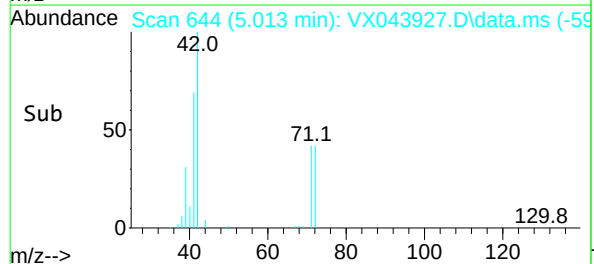
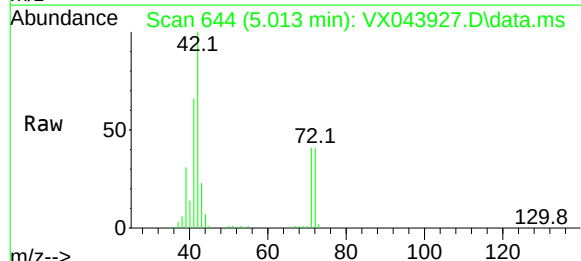
71 42.0 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 23.172 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX043927.D

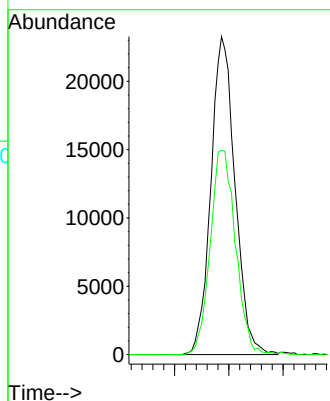
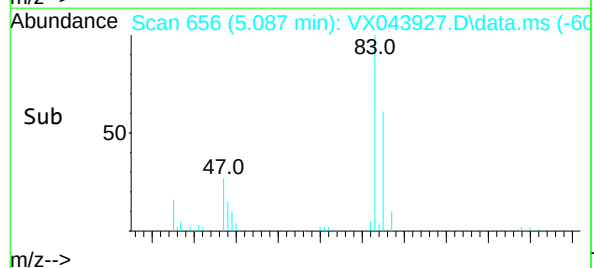
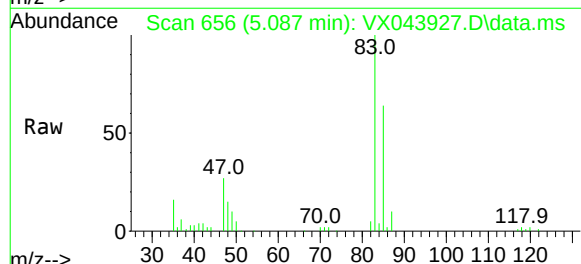
Acq: 21 Nov 2024 10:37

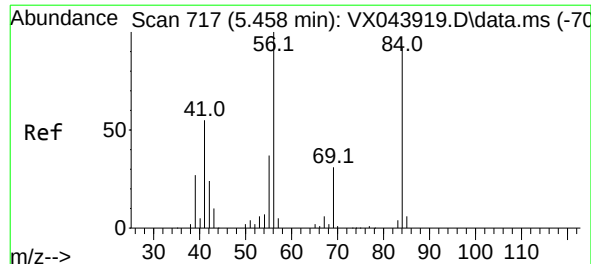
Tgt Ion: 83 Resp: 72049

Ion Ratio Lower Upper

83 100

85 64.2 49.7 74.5





#31

Cyclohexane

Concen: 22.225 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

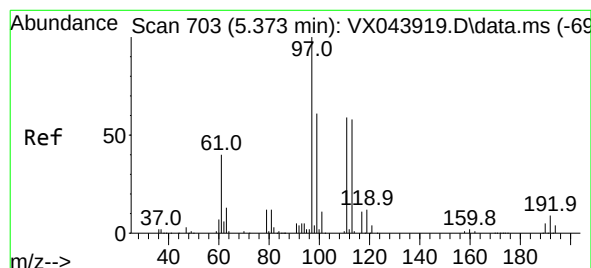
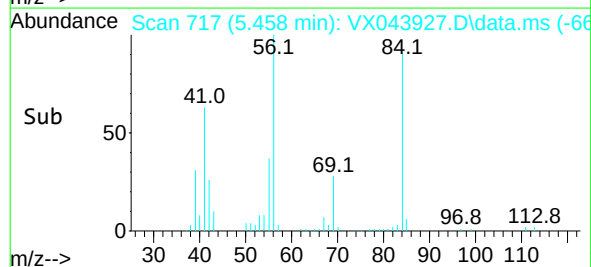
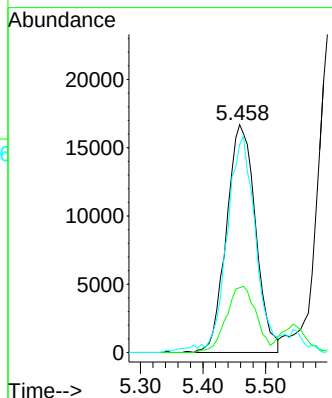
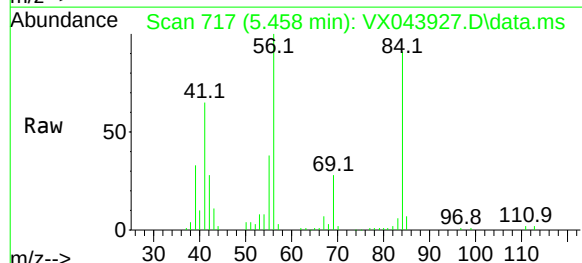
ClientSampleId :

VSTDICC020

Tgt Ion:	56	Resp:	53731
Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.9	37.3
84	89.6	73.8	110.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 23.474 ug/l

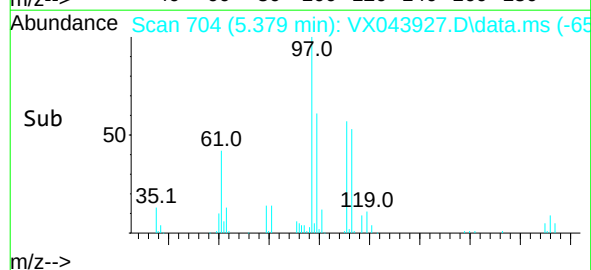
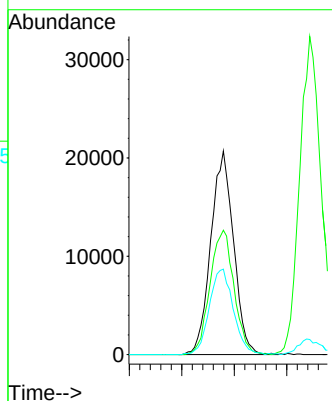
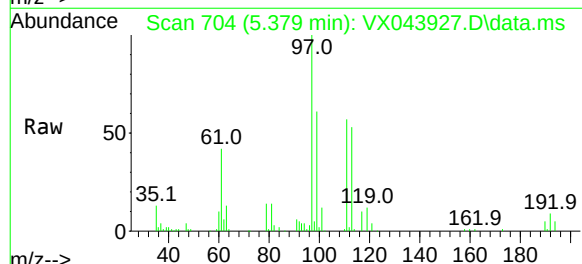
RT: 5.379 min Scan# 704

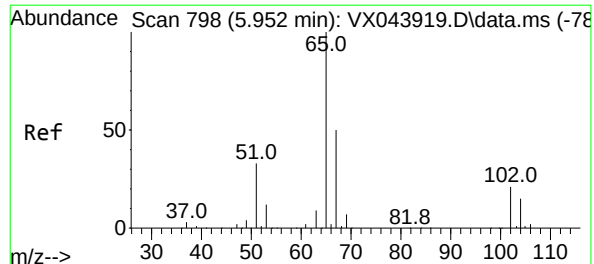
Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	97	Resp:	62394
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	44.1	32.9	49.3





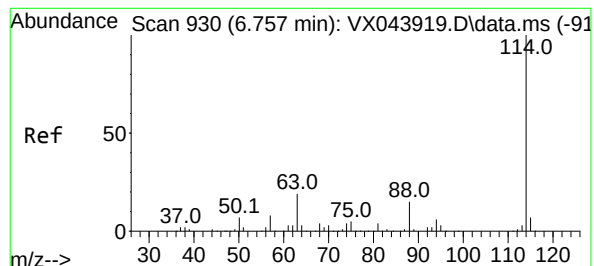
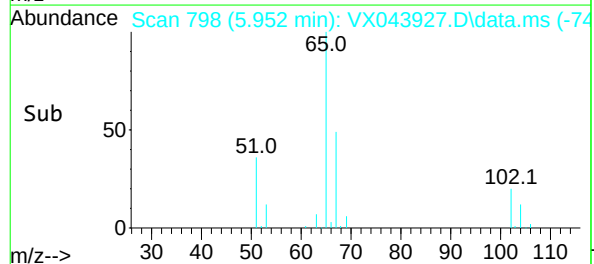
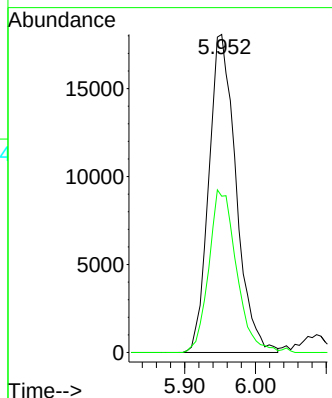
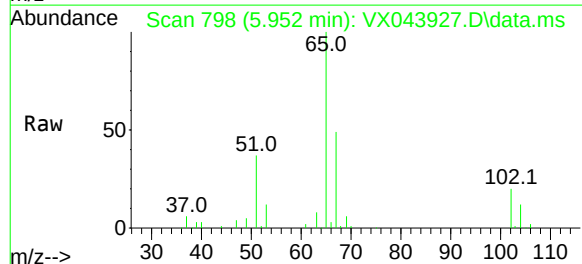
#33
1,2-Dichloroethane-d4
Concen: 22.821 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 48239
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.2

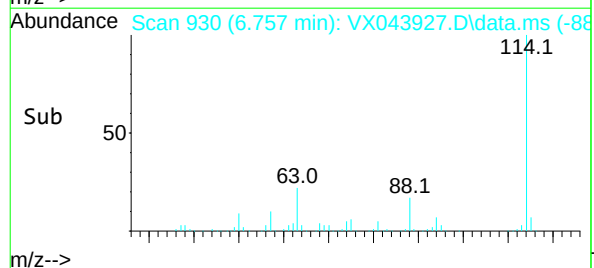
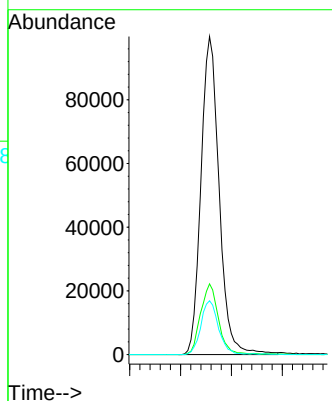
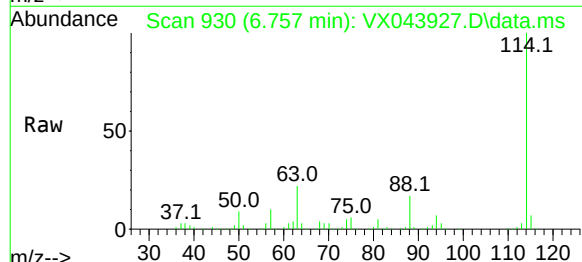
Manual Integrations
APPROVED

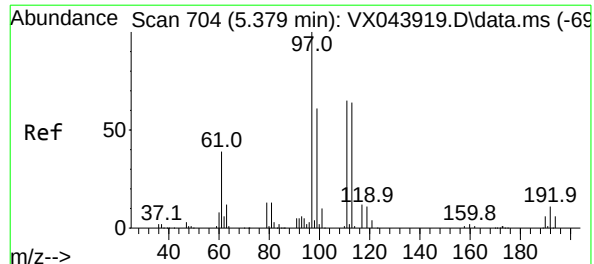
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:114 Resp: 247844
Ion Ratio Lower Upper
114 100
63 22.2 0.0 39.0
88 16.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 21.040 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

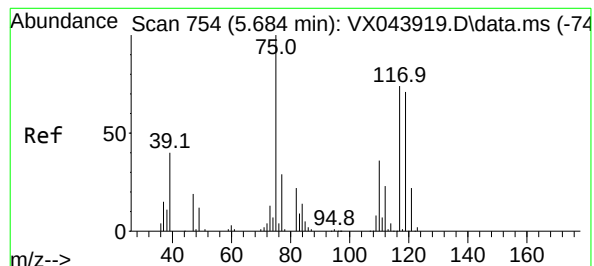
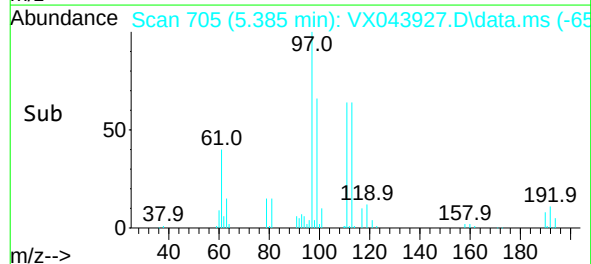
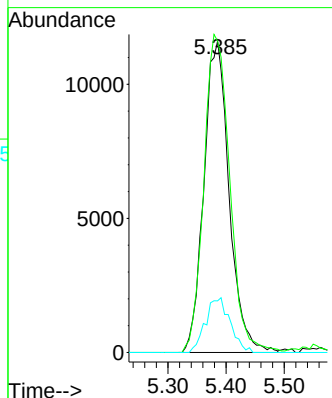
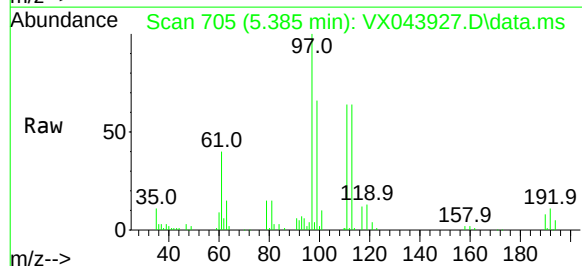
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	35015
Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.0	121.6
192	17.1	14.2	21.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 21.438 ug/l

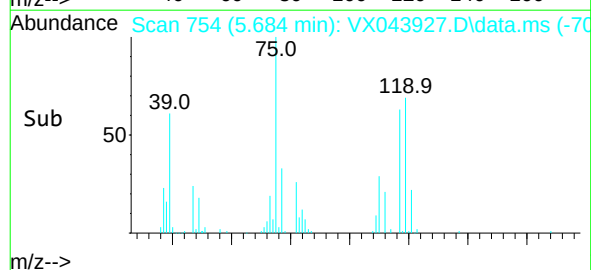
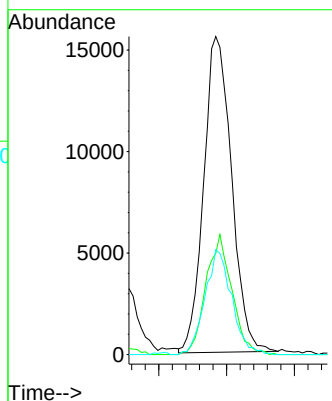
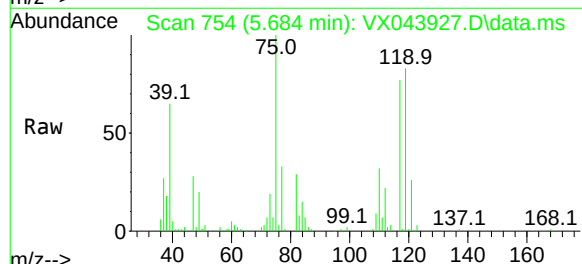
RT: 5.684 min Scan# 754

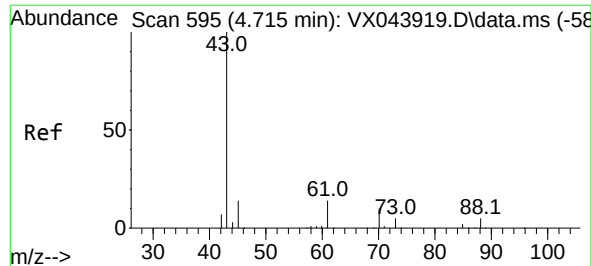
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	75	Resp:	44465
Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.5	52.5
77	31.8	24.9	37.3





#37

Ethyl Acetate

Concen: 23.316 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

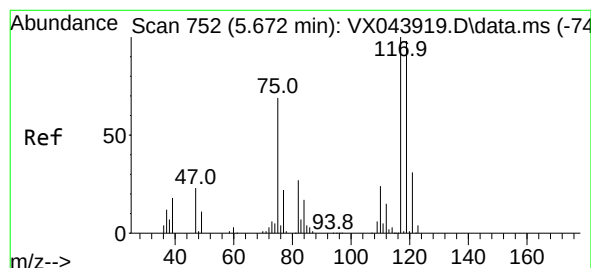
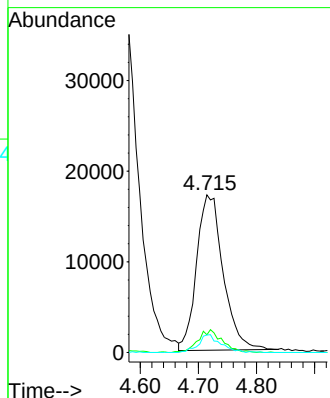
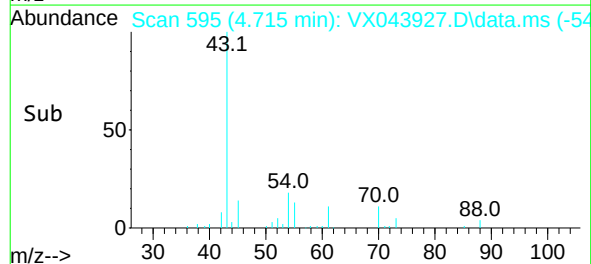
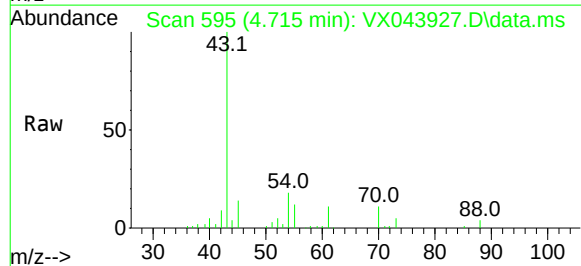
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	54426
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.5	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 22.179 ug/l

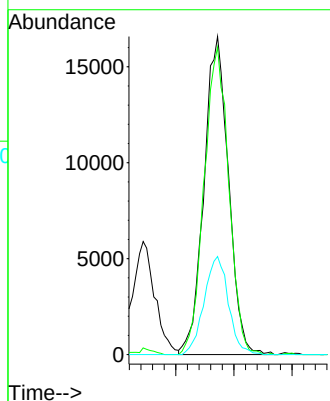
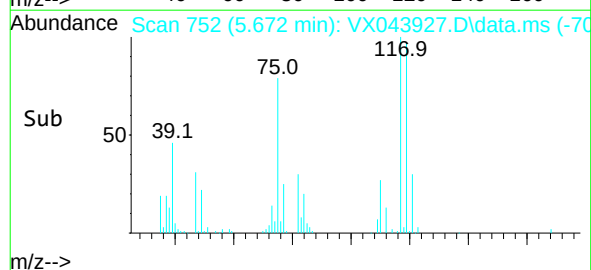
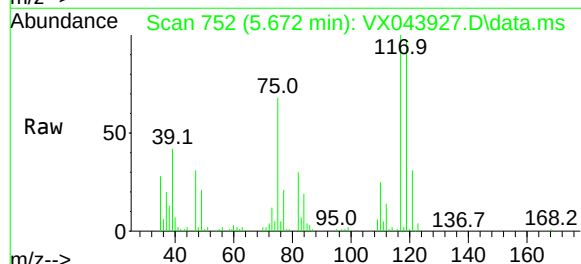
RT: 5.672 min Scan# 752

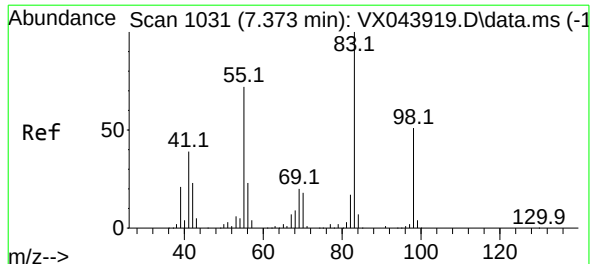
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	117	Resp:	48701
Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.3	117.5
121	30.8	25.1	37.7





#39

Methylcyclohexane

Concen: 21.551 ug/l

RT: 7.379 min Scan# 10

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 55958

Ion Ratio Lower Upper

83 100

55 72.7 57.9 86.9

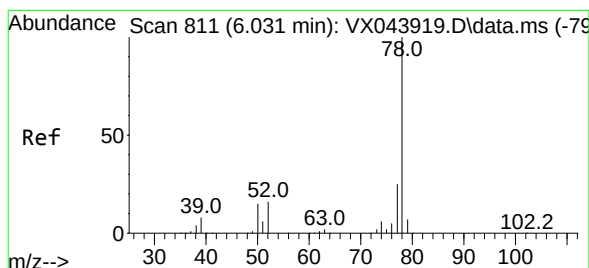
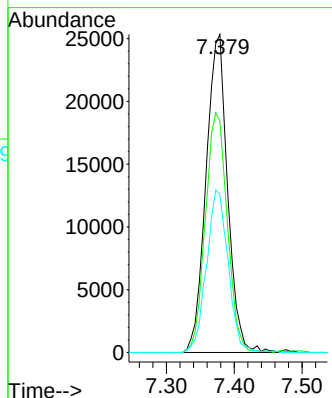
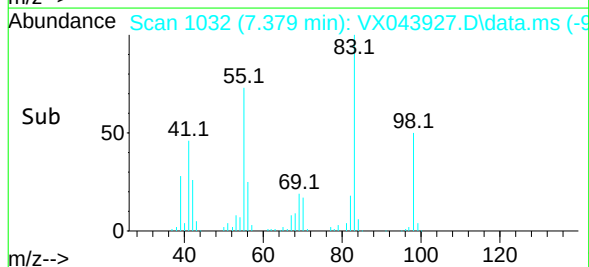
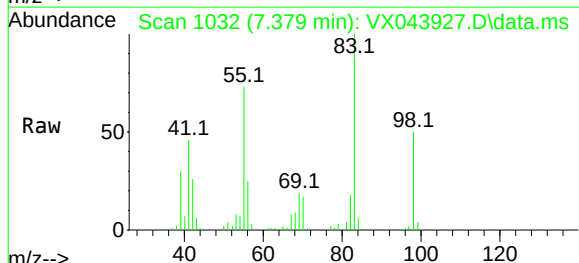
98 49.5 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 22.144 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX043927.D

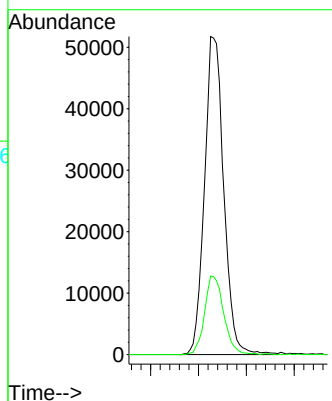
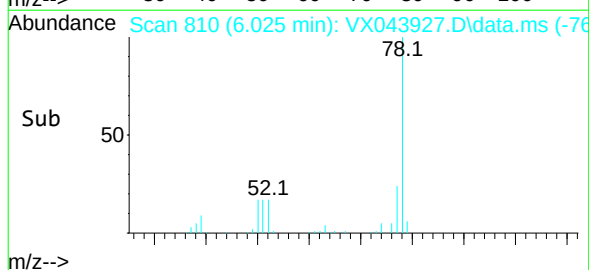
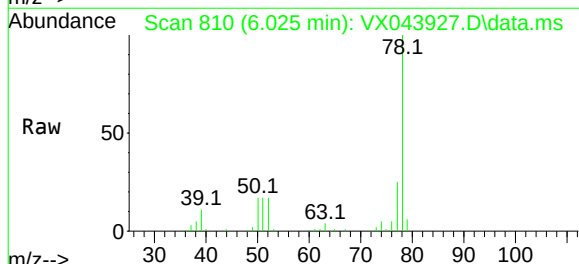
Acq: 21 Nov 2024 10:37

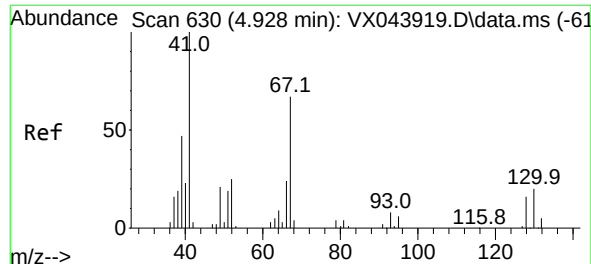
Tgt Ion: 78 Resp: 144401

Ion Ratio Lower Upper

78 100

77 24.7 19.8 29.8





#41

Methacrylonitrile

Concen: 23.789 ug/l

RT: 4.922 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 28938

Ion Ratio Lower Upper

41 100

39 55.1 41.2 61.8

67 72.7 60.3 90.5

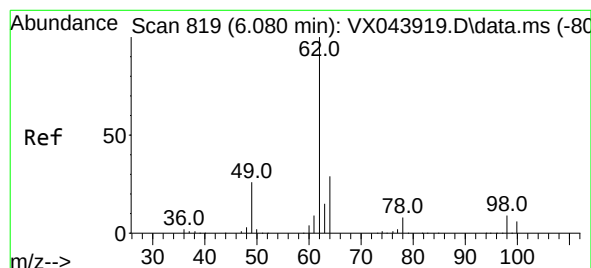
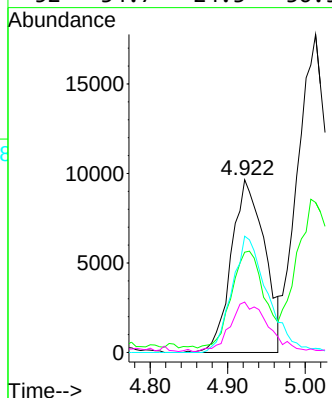
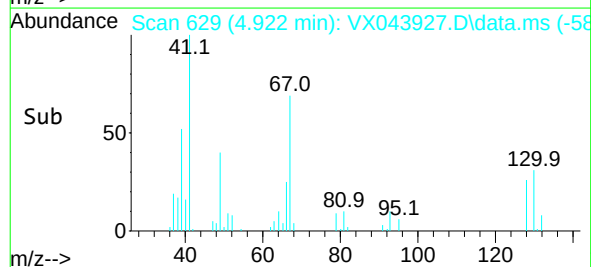
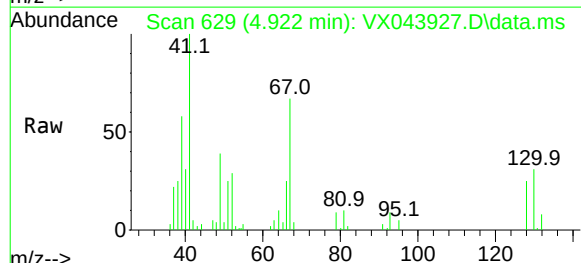
52 34.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 24.487 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX043927.D

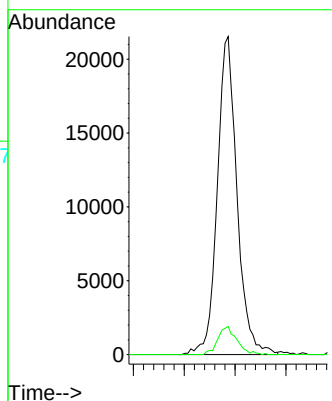
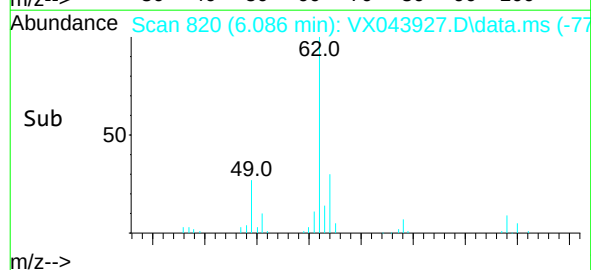
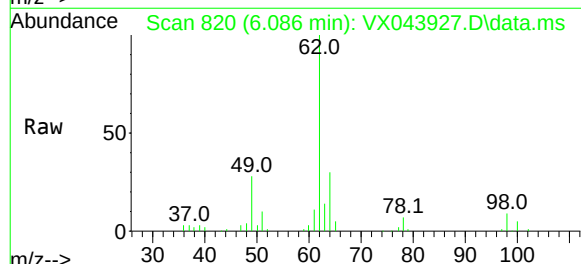
Acq: 21 Nov 2024 10:37

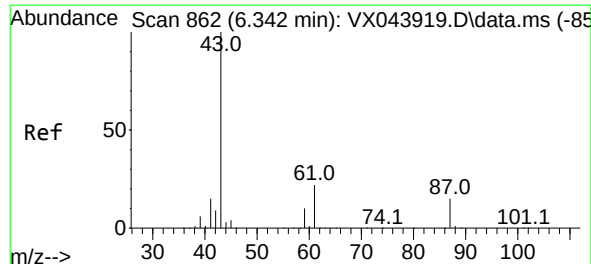
Tgt Ion: 62 Resp: 57981

Ion Ratio Lower Upper

62 100

98 8.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 24.054 ug/l

RT: 6.349 min Scan# 86

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

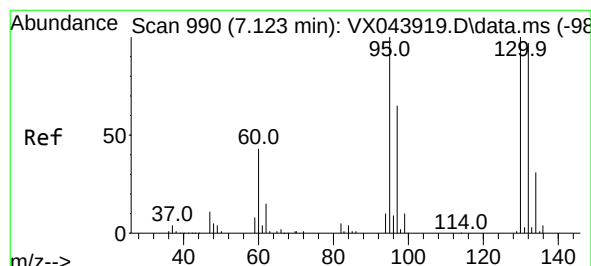
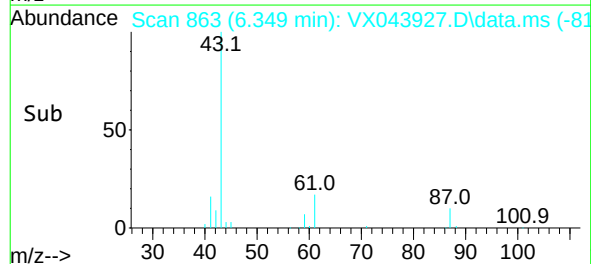
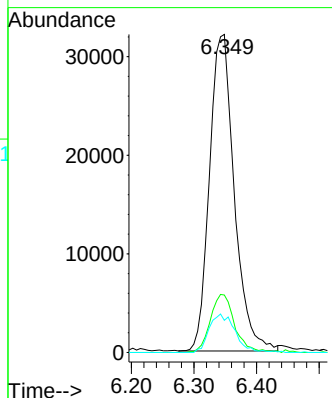
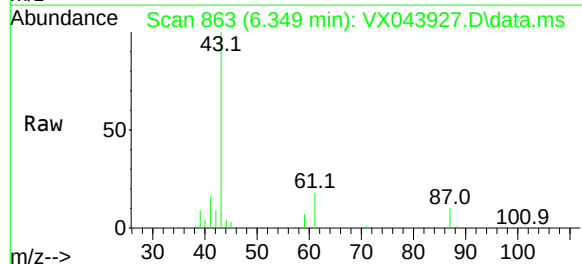
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	88577
Ion	Ratio	Lower	Upper
43	100		
61	17.9	16.9	25.3
87	12.6	11.9	17.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 20.270 ug/l

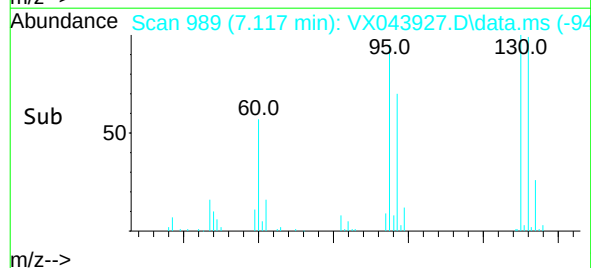
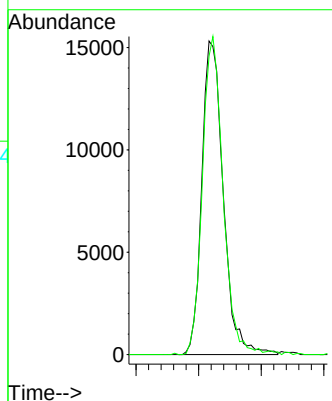
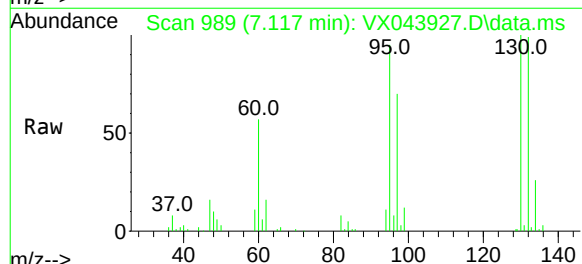
RT: 7.117 min Scan# 989

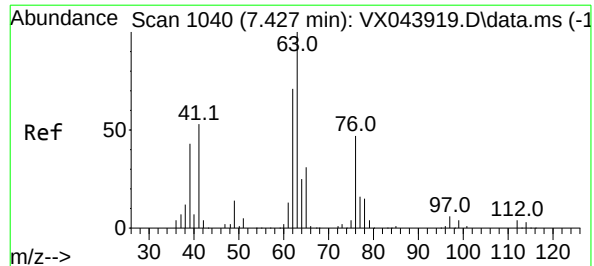
Delta R.T. -0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	130	Resp:	36440
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	200.8





#45

1,2-Dichloropropane

Concen: 22.394 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 35791

Ion Ratio Lower Upper

63 100

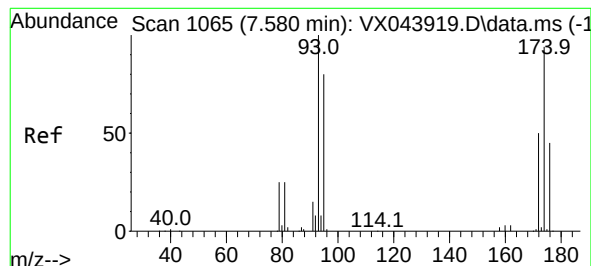
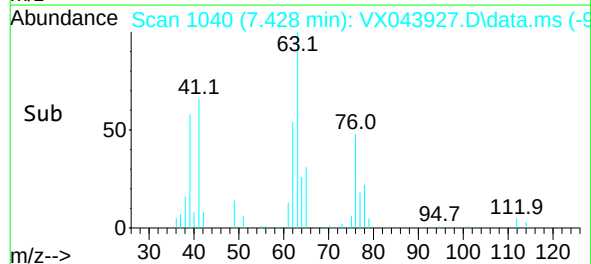
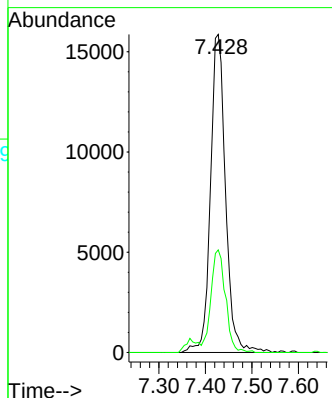
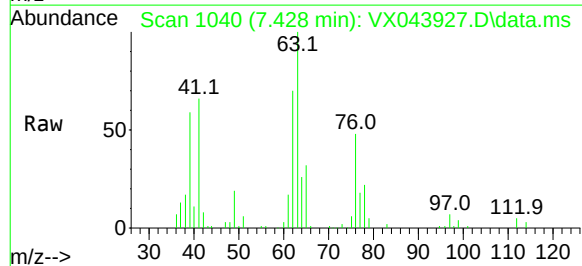
65 32.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 23.082 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

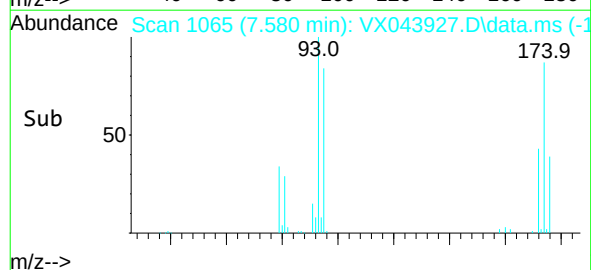
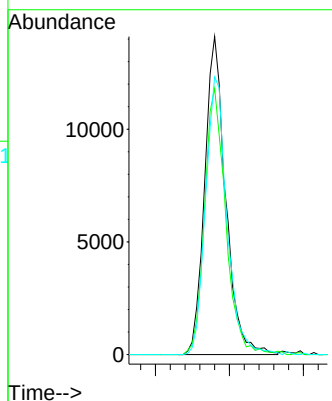
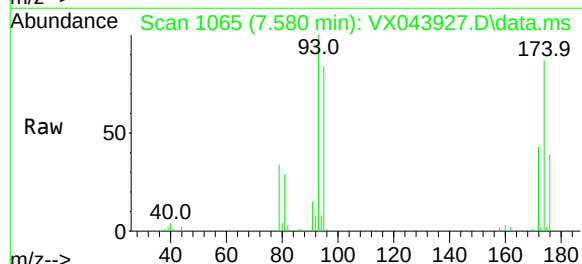
Tgt Ion: 93 Resp: 27799

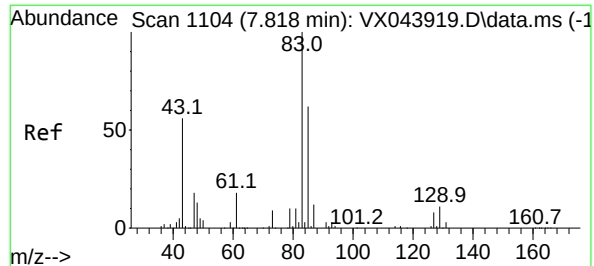
Ion Ratio Lower Upper

93 100

95 84.4 66.1 99.1

174 89.0 75.2 112.8





#47

Bromodichloromethane

Concen: 23.471 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 49665

Ion Ratio Lower Upper

83 100

85 66.3 49.4 74.0

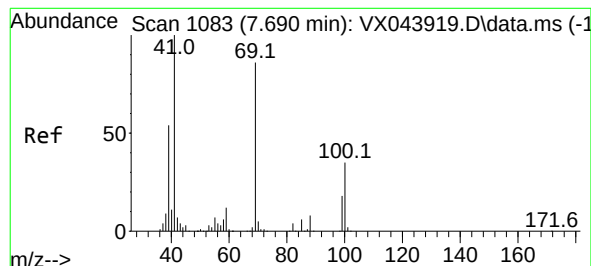
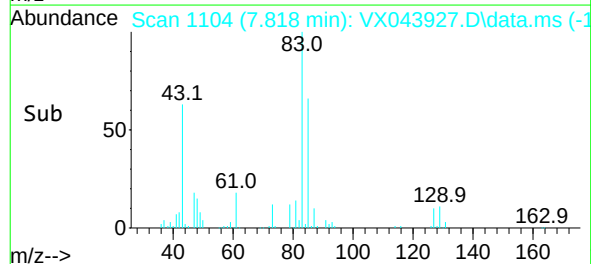
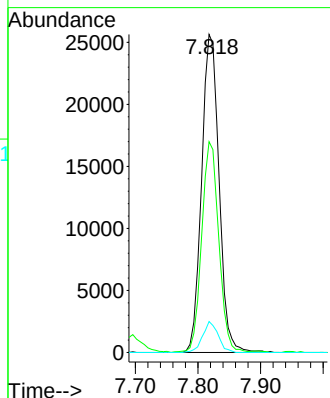
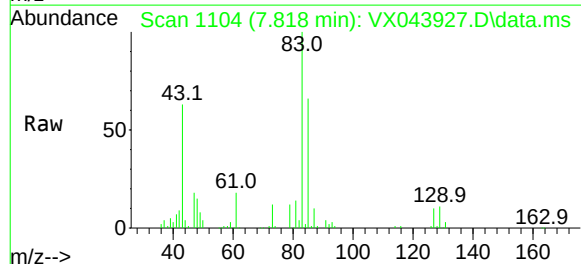
127 9.7 6.2 9.4#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 22.991 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

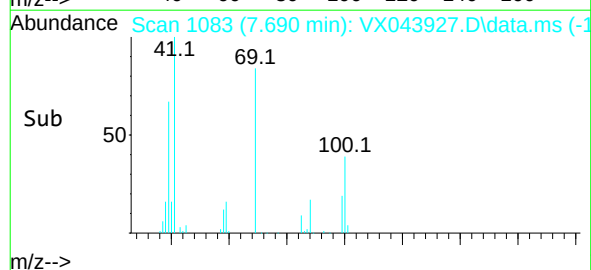
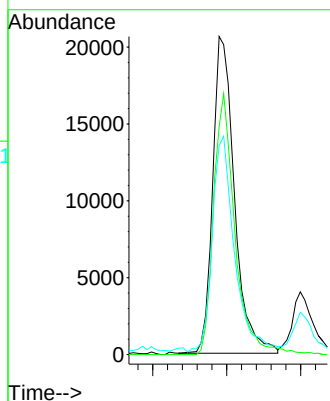
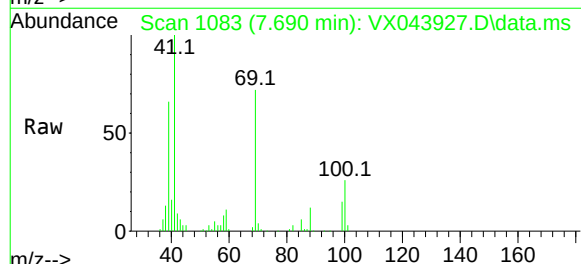
Tgt Ion: 41 Resp: 41962

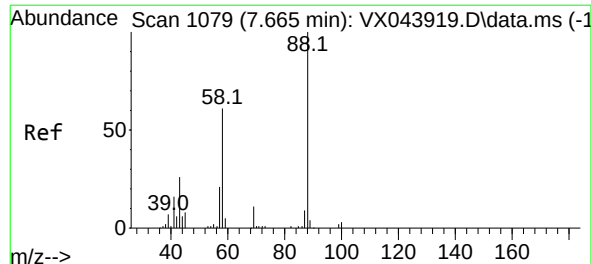
Ion Ratio Lower Upper

41 100

69 81.5 72.1 108.1

39 69.6 43.8 65.8#





#49

1,4-Dioxane

Concen: 310.503 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

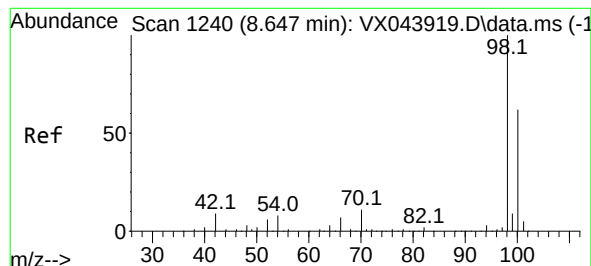
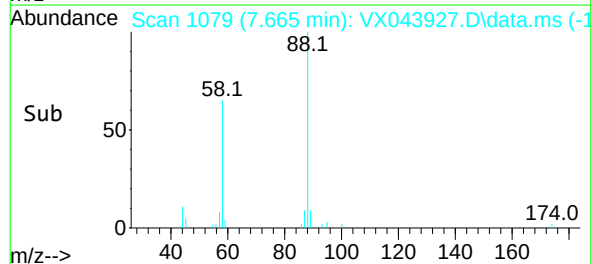
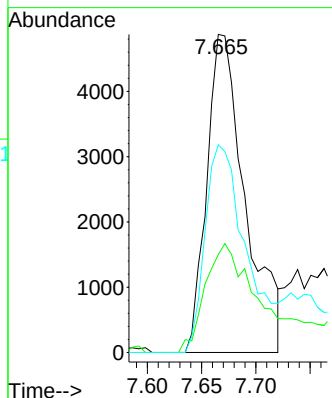
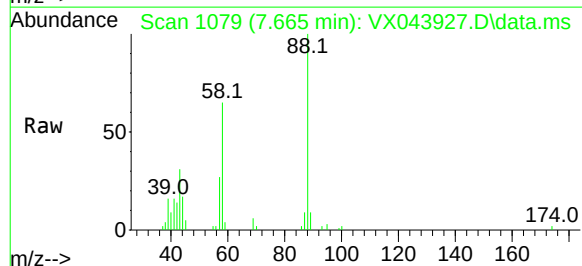
ClientSampleId :

VSTDICC020

Tgt Ion:	88	Resp:	12071
Ion	Ratio	Lower	Upper
88	100		
43	52.5	17.4	26.0
58	69.7	41.0	61.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 22.060 ug/l

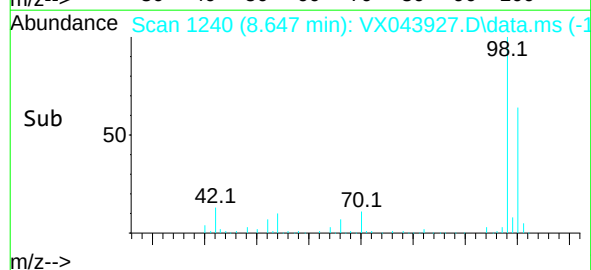
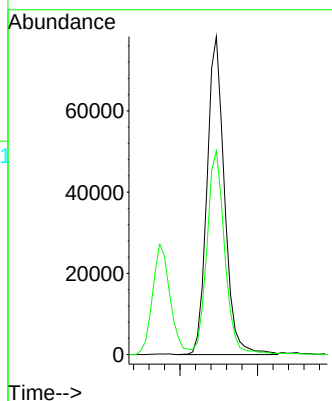
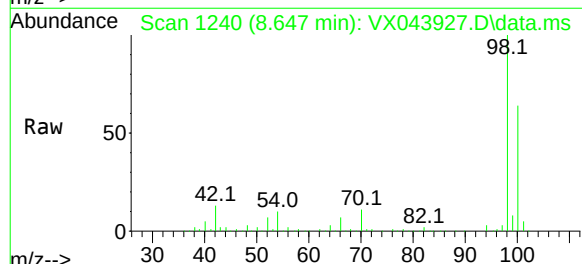
RT: 8.647 min Scan# 1240

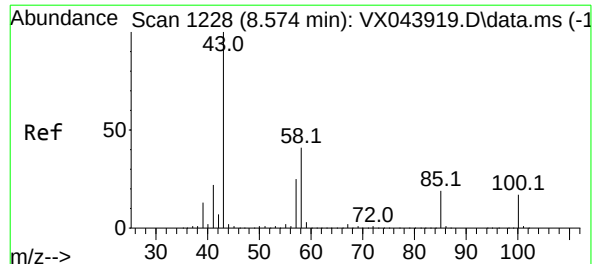
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	98	Resp:	122646
Ion	Ratio	Lower	Upper
98	100		
100	63.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 121.285 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 278479

Ion Ratio Lower Upper

43 100

58 37.6 32.4 48.6

Instrument :

MSVOA_X

ClientSampleId :

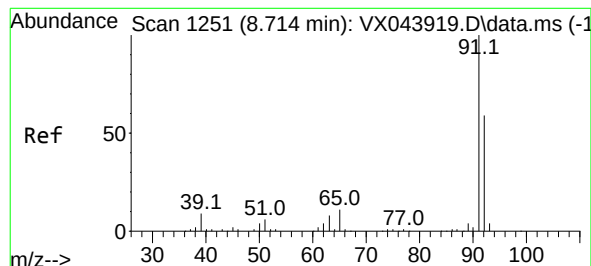
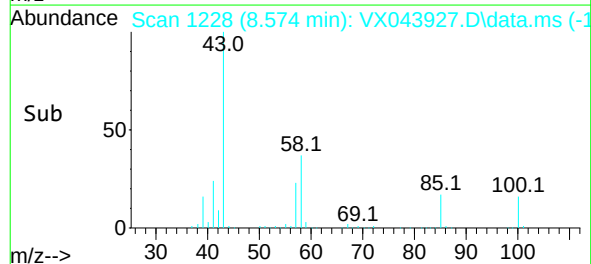
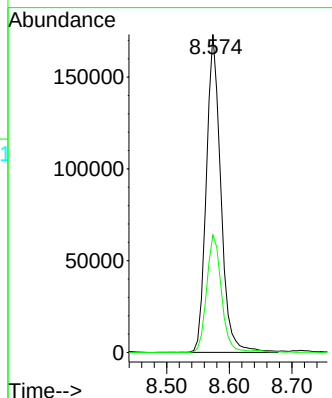
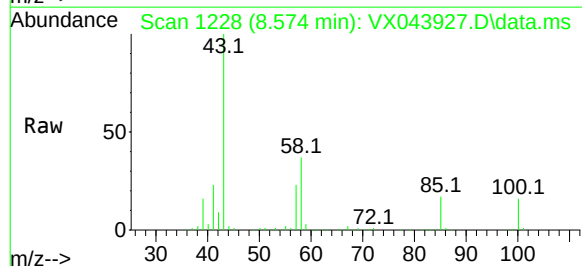
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 23.277 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043927.D

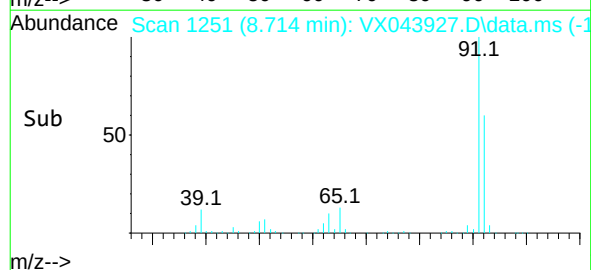
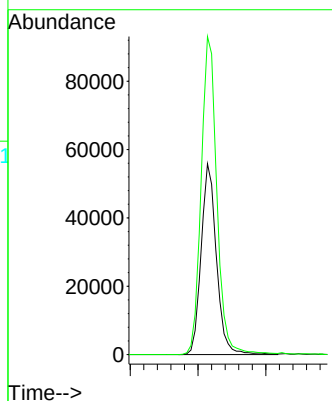
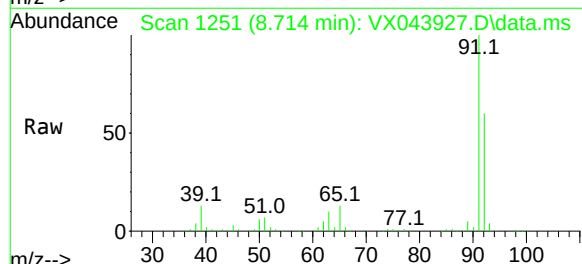
Acq: 21 Nov 2024 10:37

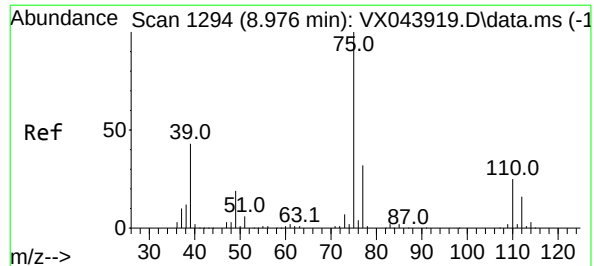
Tgt Ion: 92 Resp: 87569

Ion Ratio Lower Upper

92 100

91 171.0 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 23.425 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 50294

Ion Ratio Lower Upper

75 100

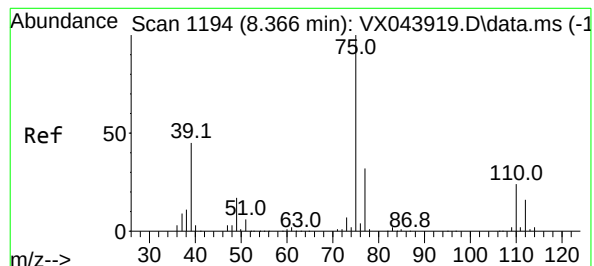
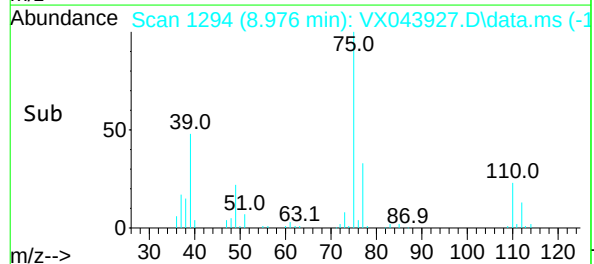
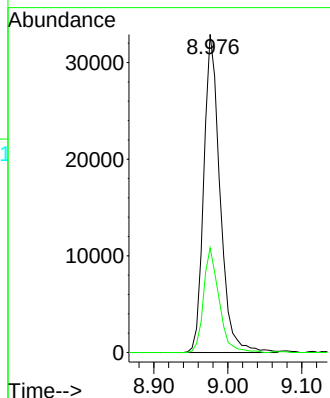
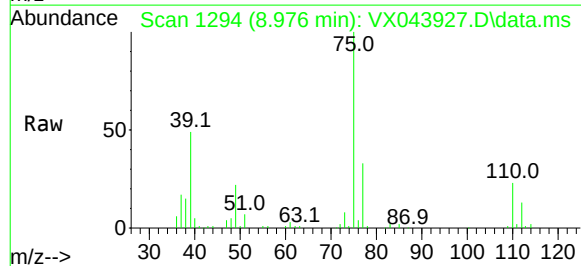
77 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 23.184 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

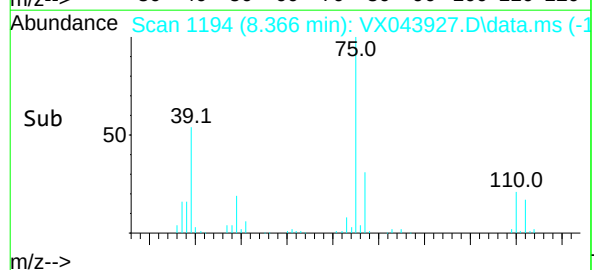
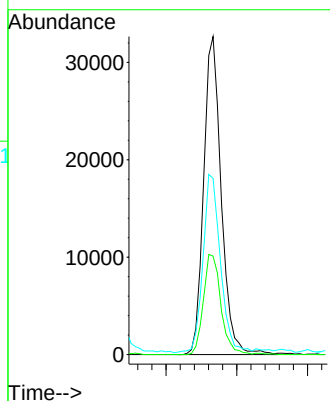
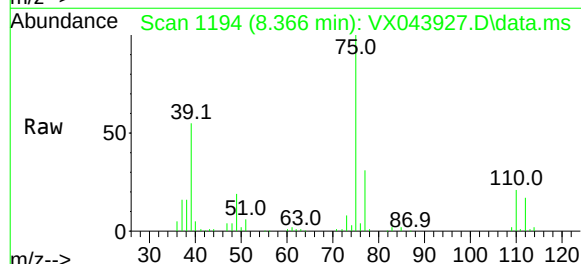
Tgt Ion: 75 Resp: 56407

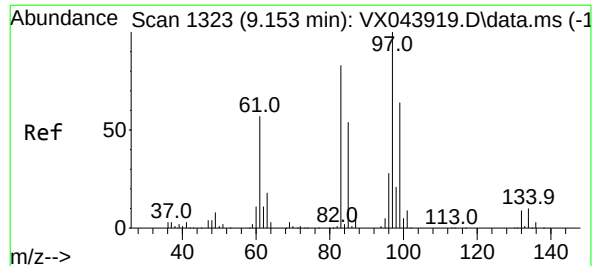
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2

39 54.6 36.1 54.1#





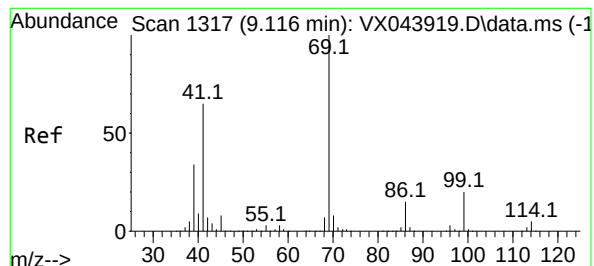
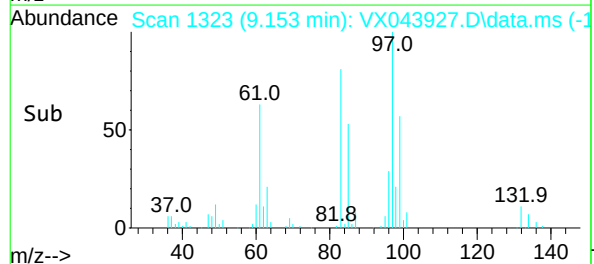
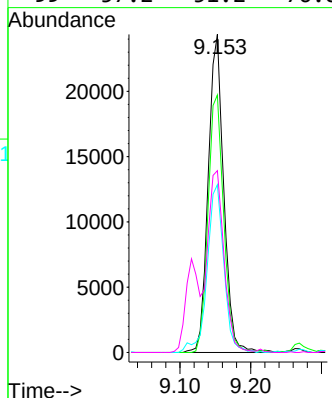
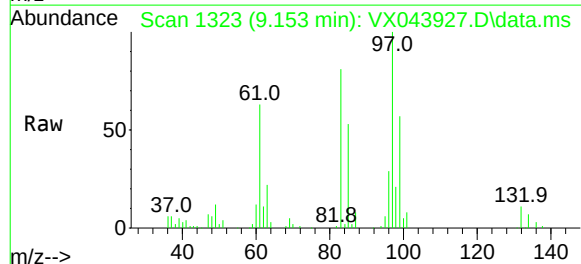
#55
1,1,2-Trichloroethane
Concen: 25.308 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:	97	Resp:	37148
Ion	Ratio	Lower	Upper
97	100		
83	81.0	66.5	99.7
85	52.7	43.4	65.2
99	57.2	51.2	76.8

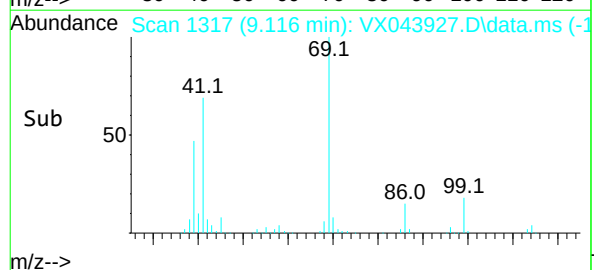
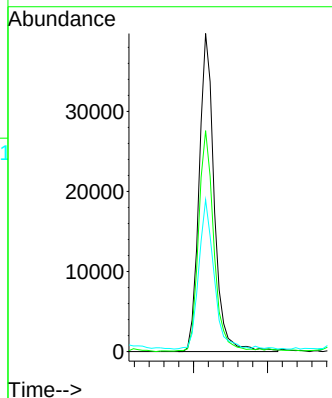
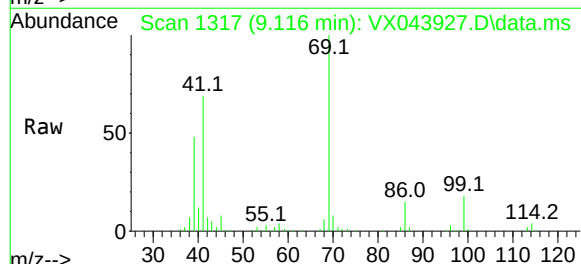
Manual Integrations
APPROVED

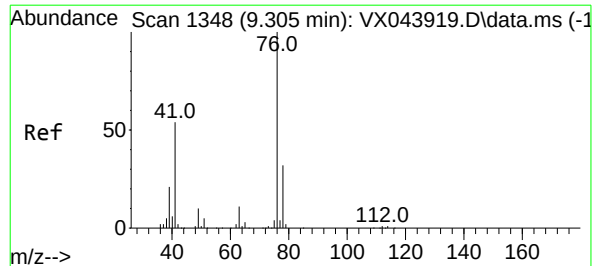
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#56
Ethyl methacrylate
Concen: 24.347 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:	69	Resp:	56585
Ion	Ratio	Lower	Upper
69	100		
41	70.0	51.7	77.5
39	46.7	26.8	40.2





#57

1,3-Dichloropropane

Concen: 24.976 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 61420

Ion Ratio Lower Upper

76 100

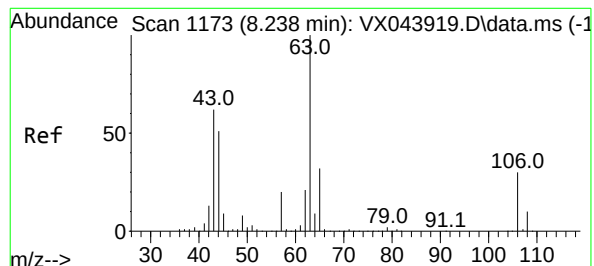
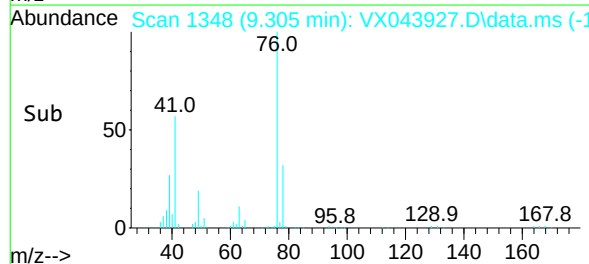
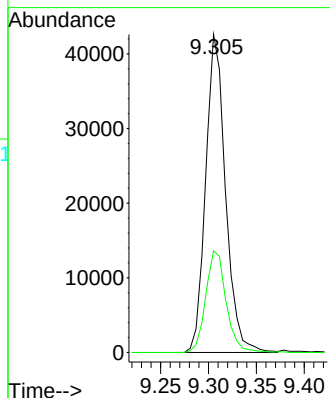
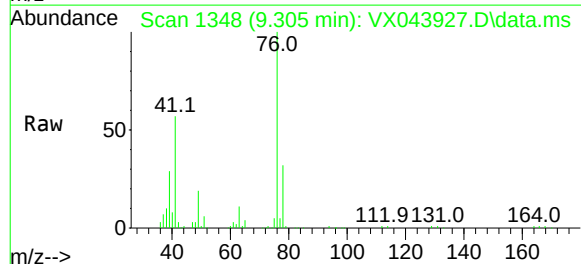
78 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 112.277 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043927.D

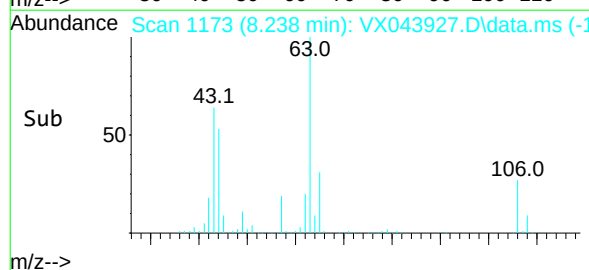
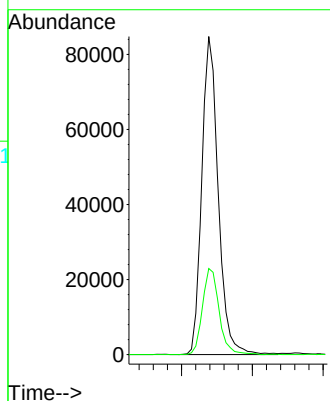
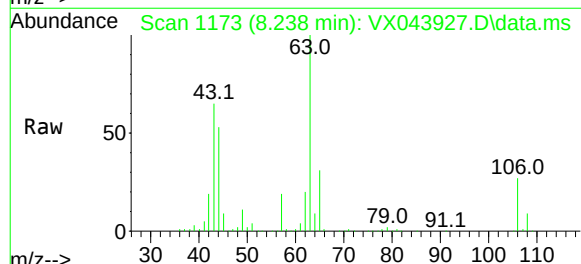
Acq: 21 Nov 2024 10:37

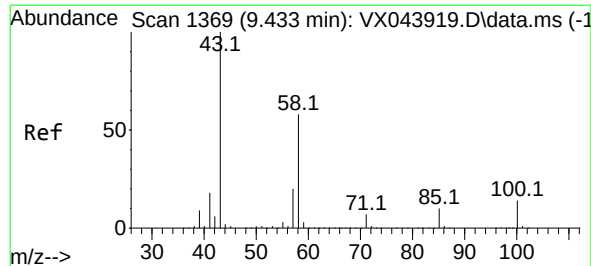
Tgt Ion: 63 Resp: 136842

Ion Ratio Lower Upper

63 100

106 27.4 23.8 35.6





#59

2-Hexanone

Concen: 131.869 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 213629

Ion Ratio Lower Upper

43 100

58 51.6 28.3 84.9

Instrument :

MSVOA_X

ClientSampleId :

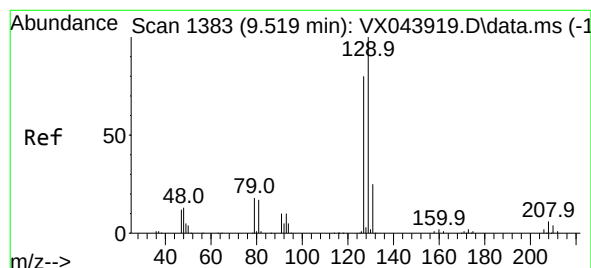
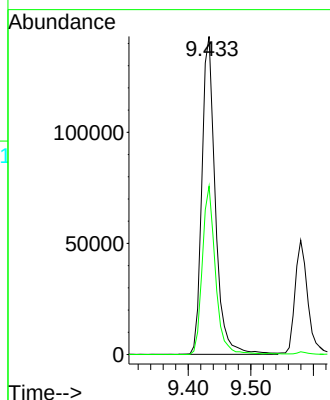
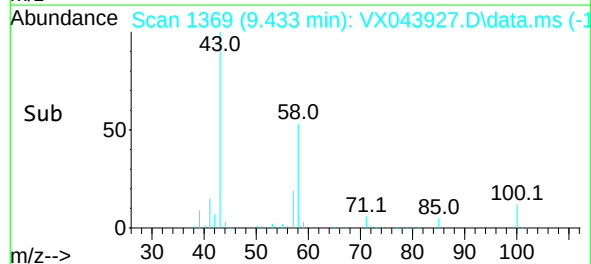
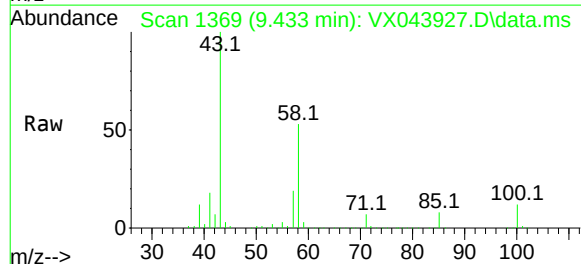
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 23.864 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043927.D

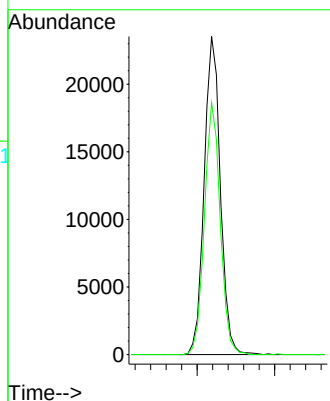
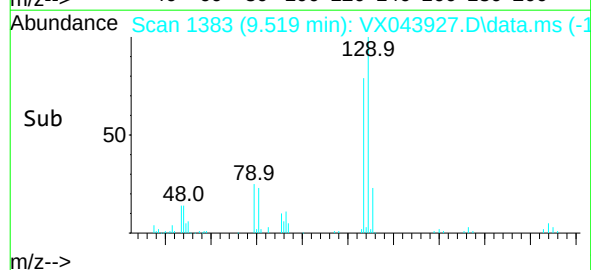
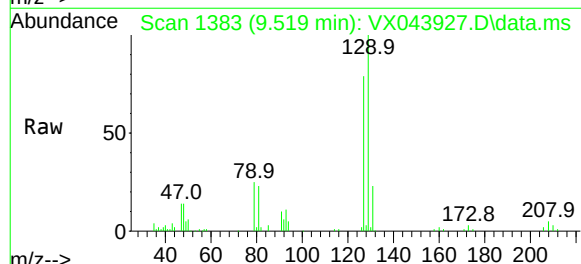
Acq: 21 Nov 2024 10:37

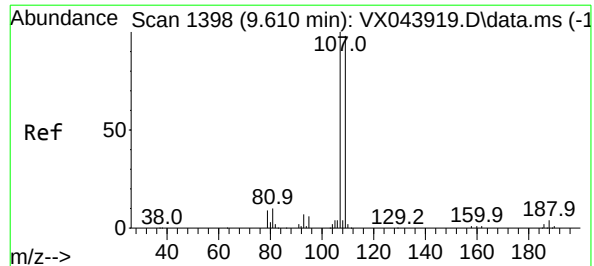
Tgt Ion:129 Resp: 34133

Ion Ratio Lower Upper

129 100

127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 24.156 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:107 Resp: 36985

Ion Ratio Lower Upper

107 100

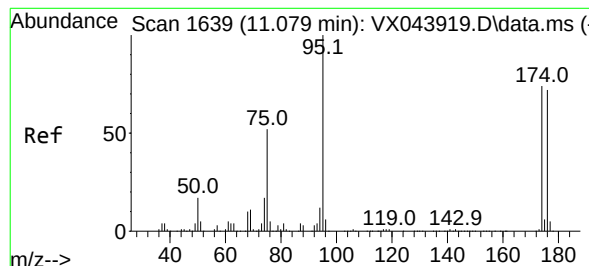
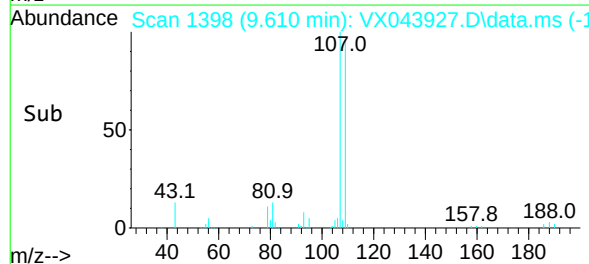
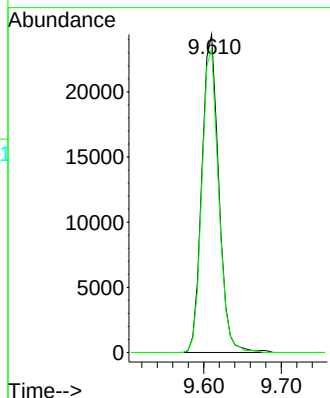
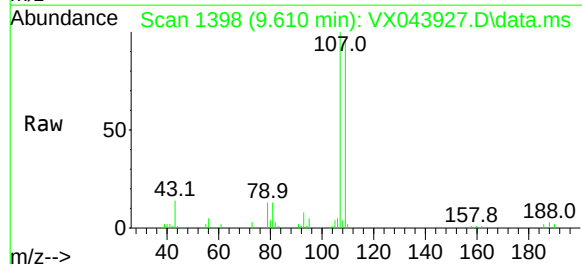
109 94.7 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 22.365 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

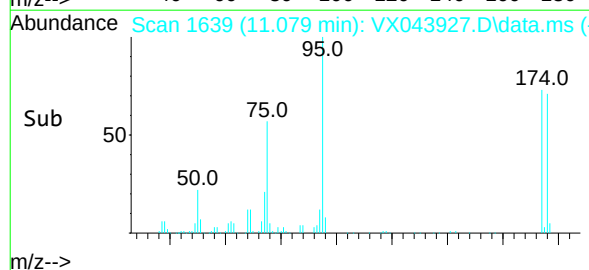
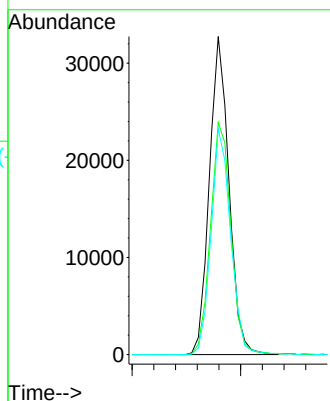
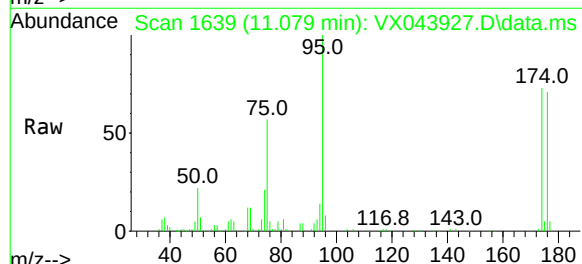
Tgt Ion: 95 Resp: 41087

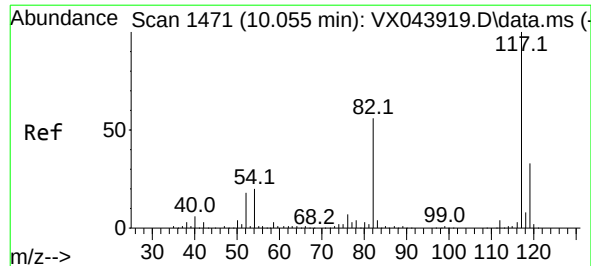
Ion Ratio Lower Upper

95 100

174 76.2 0.0 152.2

176 71.1 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:117 Resp: 217871

Ion Ratio Lower Upper

117 100

82 54.9 44.6 67.0

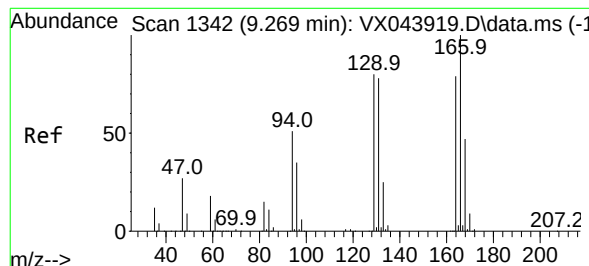
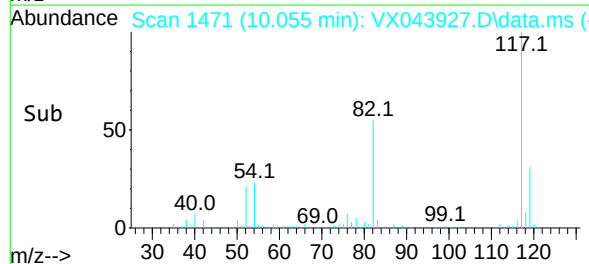
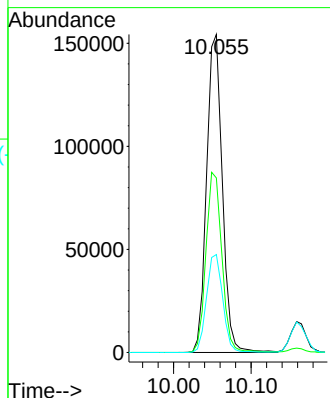
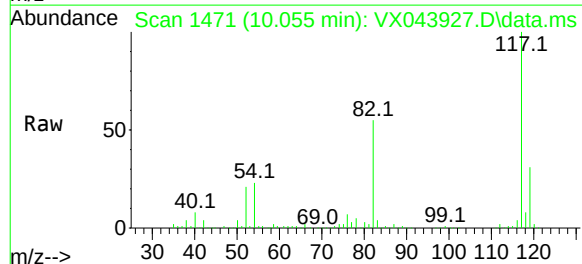
119 30.8 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 20.948 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

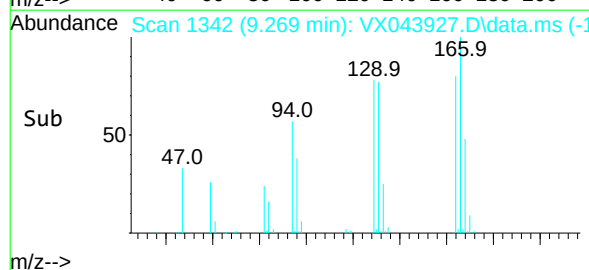
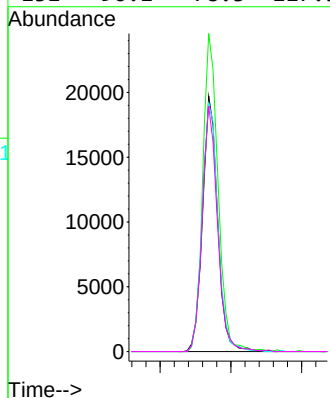
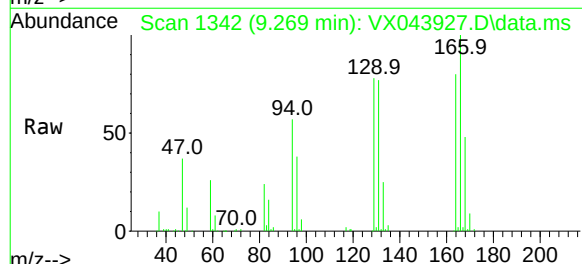
Ion Ratio Lower Upper

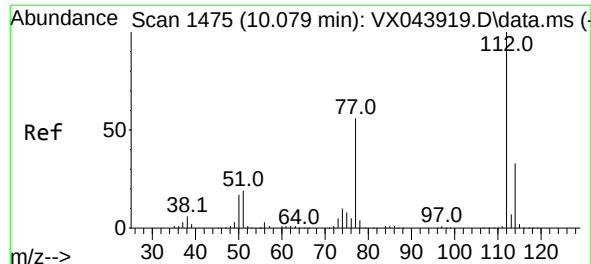
164 100

166 124.6 100.9 151.3

129 97.2 80.3 120.5

131 96.1 78.3 117.5





#65

Chlorobenzene

Concen: 21.197 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:112 Resp: 96469

Ion Ratio Lower Upper

112 100

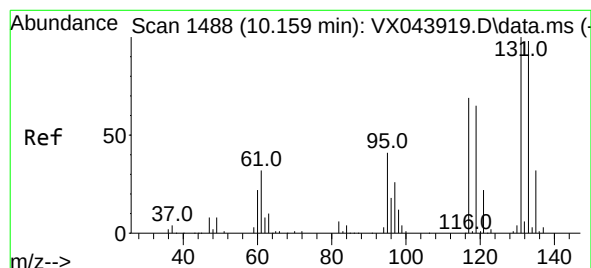
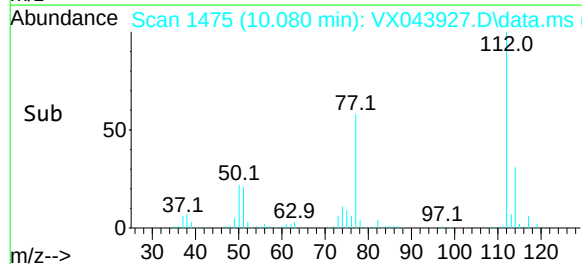
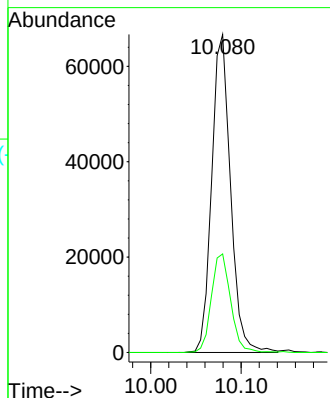
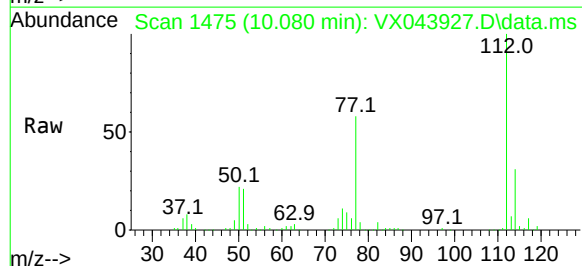
114 31.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 21.360 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

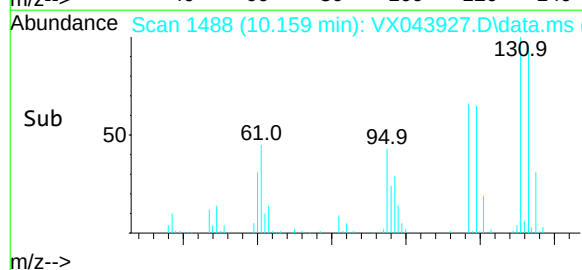
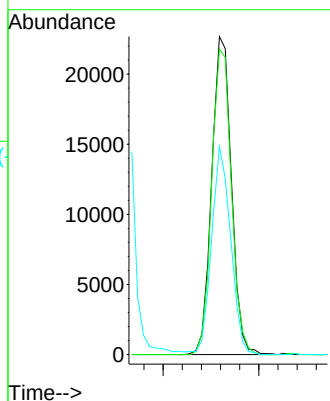
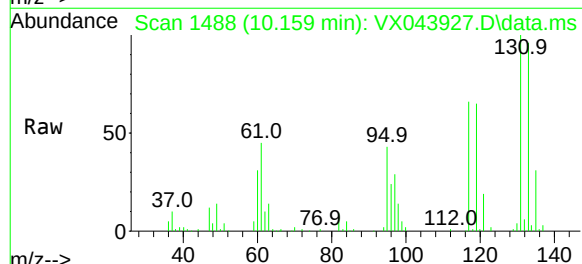
Tgt Ion:131 Resp: 32353

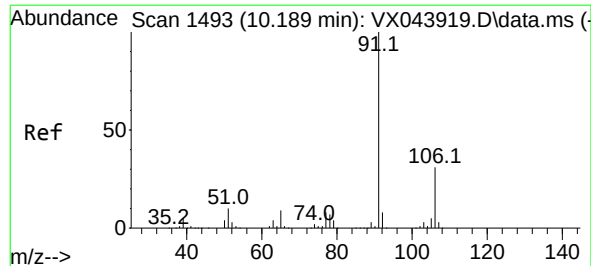
Ion Ratio Lower Upper

131 100

133 96.2 48.8 146.3

119 63.7 32.9 98.7





#67

Ethyl Benzene

Concen: 21.731 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 166435

Ion Ratio Lower Upper

91 100

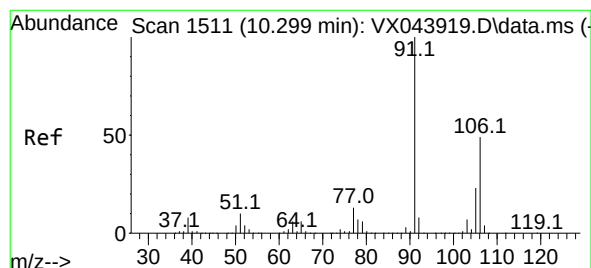
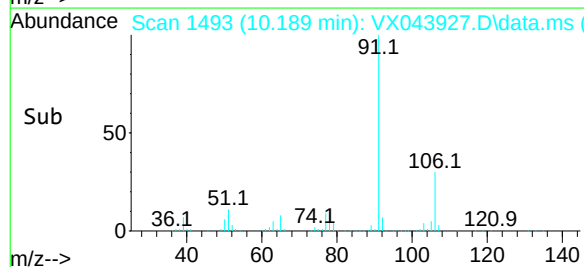
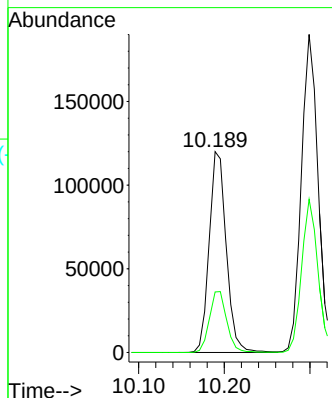
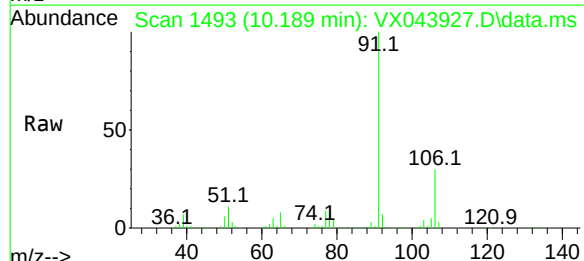
106 30.1 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 42.997 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043927.D

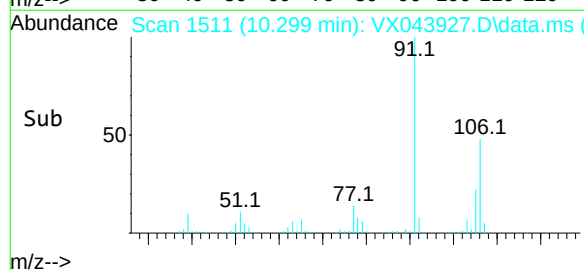
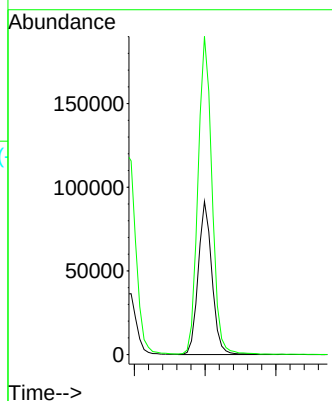
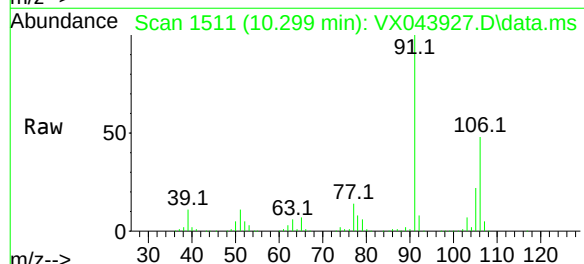
Acq: 21 Nov 2024 10:37

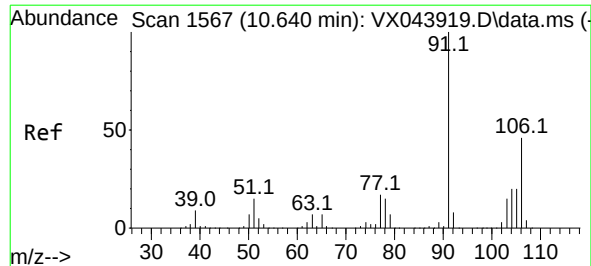
Tgt Ion:106 Resp: 122658

Ion Ratio Lower Upper

106 100

91 211.9 163.3 244.9





#69

o-Xylene

Concen: 21.648 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 60254

Ion Ratio Lower Upper

106 100

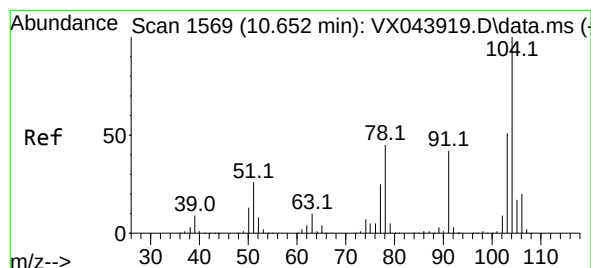
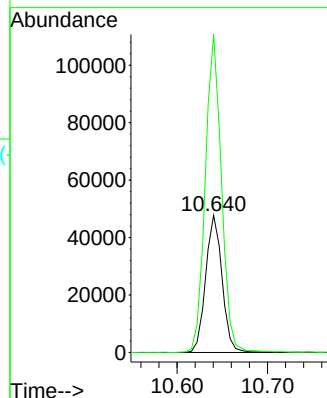
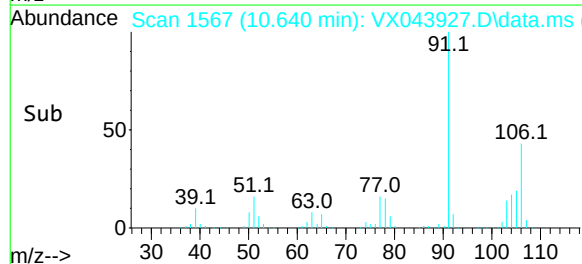
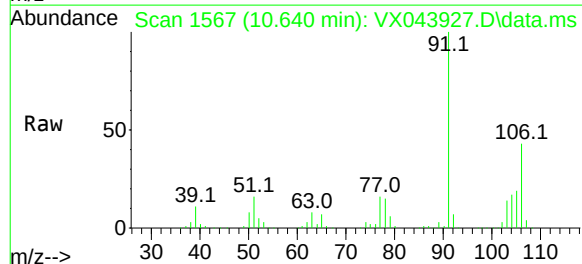
91 229.5 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 22.308 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

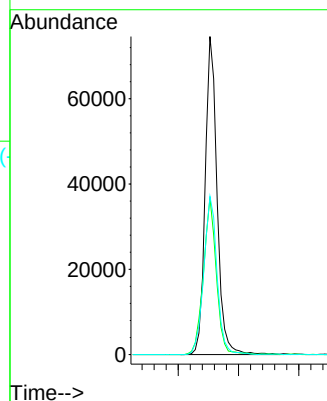
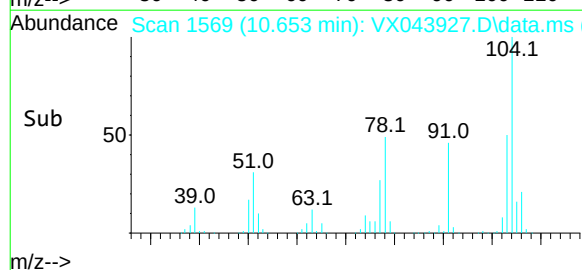
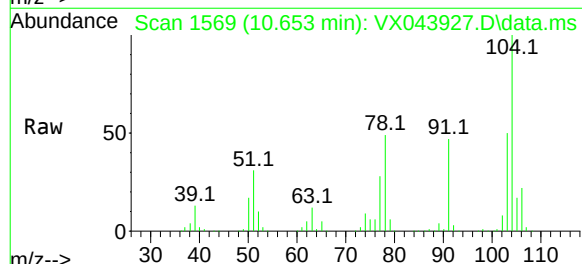
Tgt Ion:104 Resp: 102329

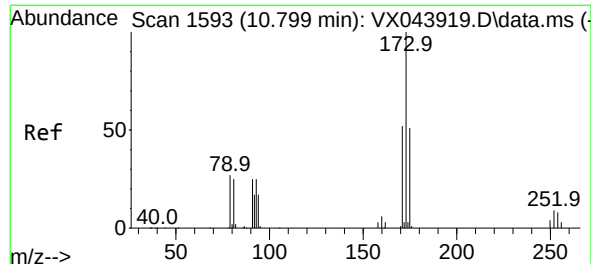
Ion Ratio Lower Upper

104 100

78 53.5 40.3 60.5

103 55.5 43.9 65.9





#71

Bromoform

Concen: 19.555 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

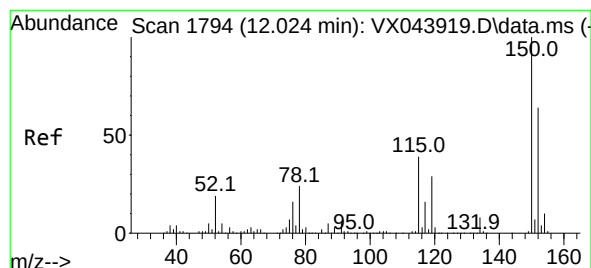
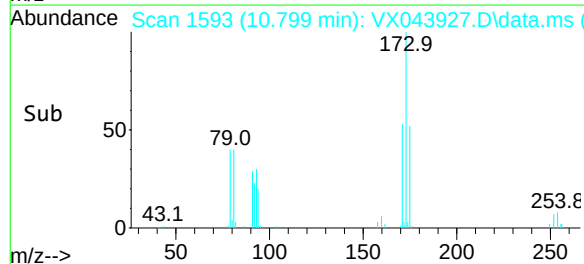
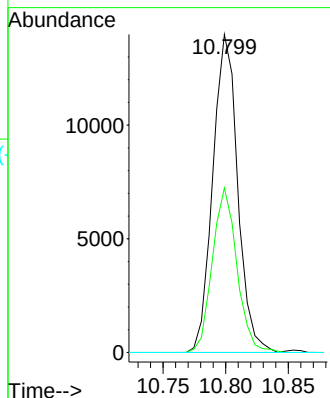
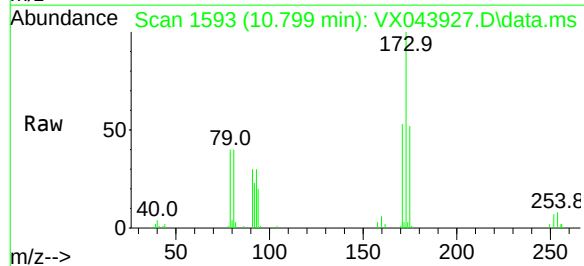
ClientSampleId :

VSTDICC020

Tgt Ion:	173	Resp:	19329
Ion Ratio	Lower	Upper	
173	100		
175	51.0	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

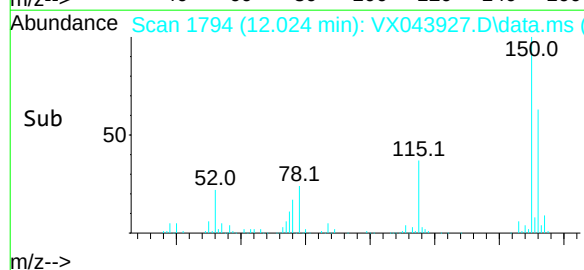
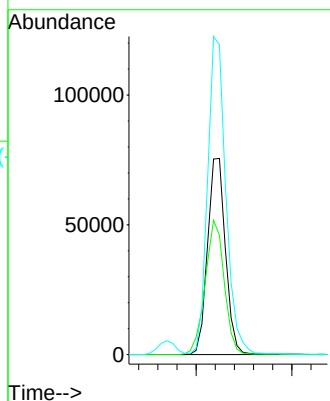
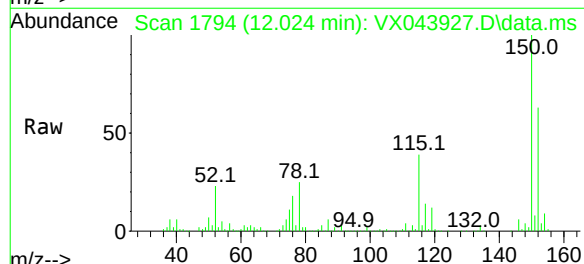
RT: 12.024 min Scan# 1794

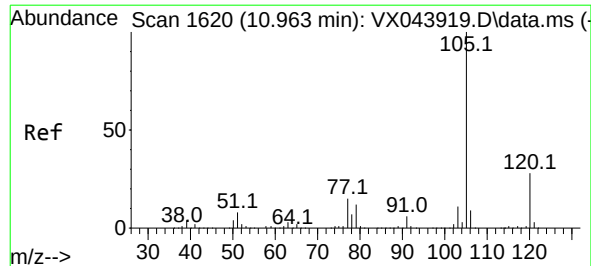
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	152	Resp:	98477
Ion Ratio	Lower	Upper	
152	100		
115	73.0	42.1	126.3
150	165.0	0.0	348.2





#73

Isopropylbenzene

Concen: 22.393 ug/l

RT: 10.964 min Scan# 16

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 105 Resp: 157405

Ion Ratio Lower Upper

105 100

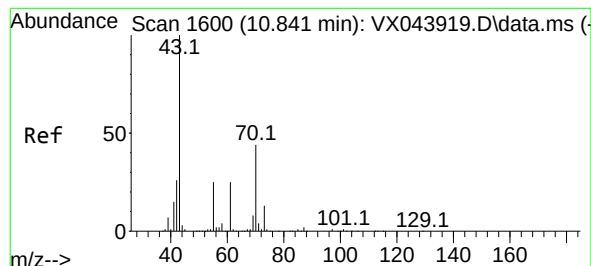
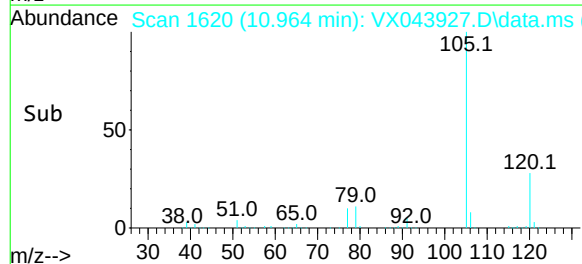
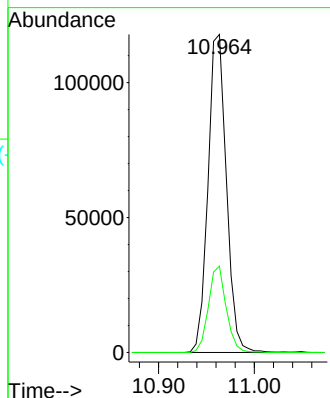
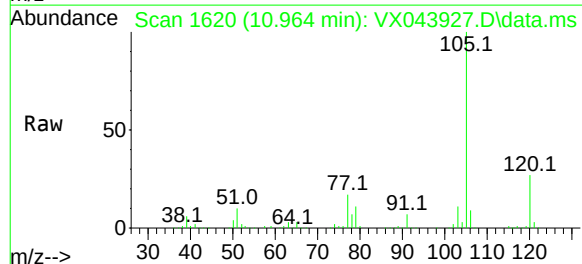
120 26.2 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 23.459 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

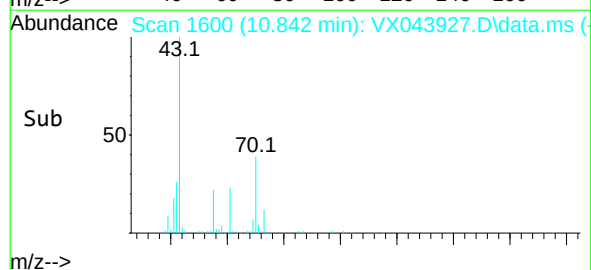
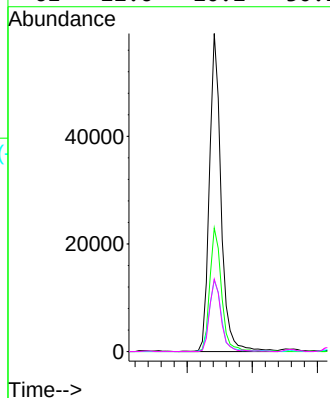
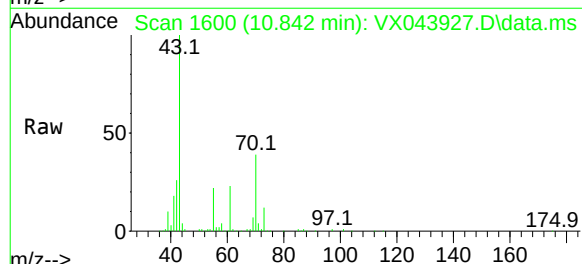
Ion Ratio Lower Upper

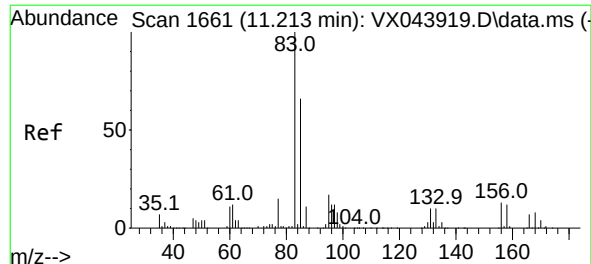
43 100

70 39.1 36.5 54.7

55 23.3 19.6 29.4

61 22.6 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.787 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

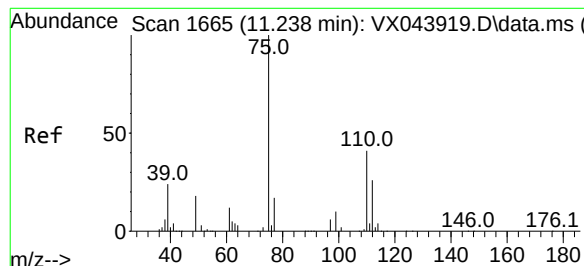
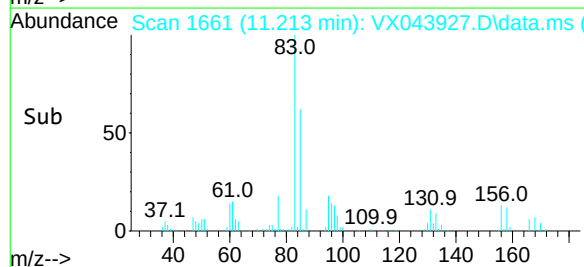
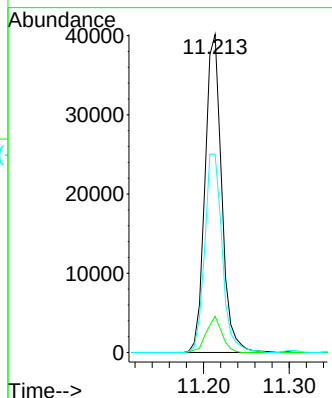
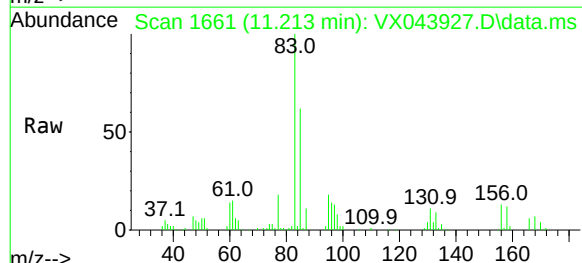
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	54158
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	65.7	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 22.601 ug/l m

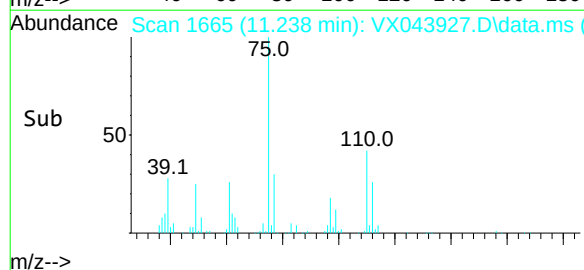
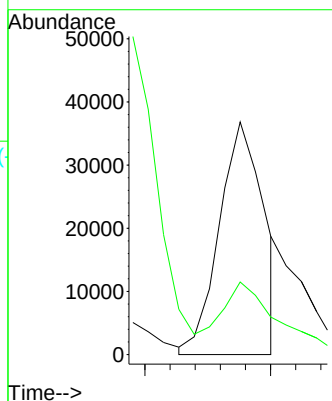
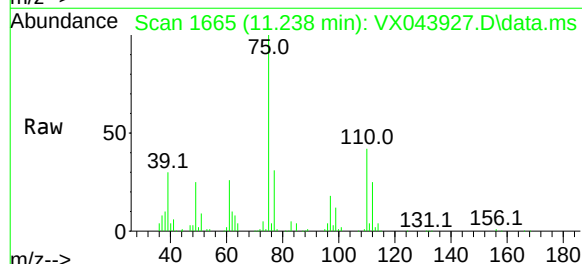
RT: 11.238 min Scan# 1665

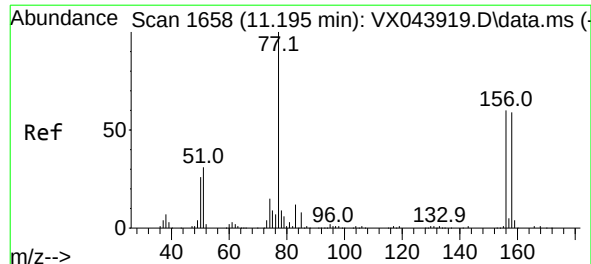
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	75	Resp:	45423
Ion Ratio	Lower	Upper	
75	100		
77	40.9	22.4	67.0





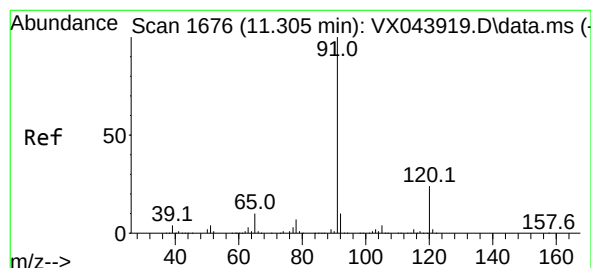
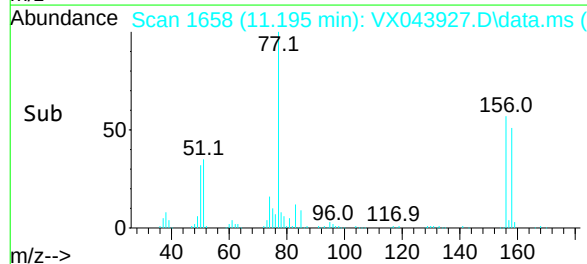
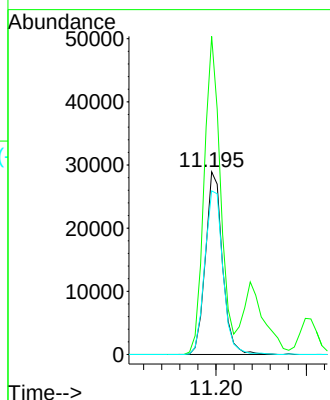
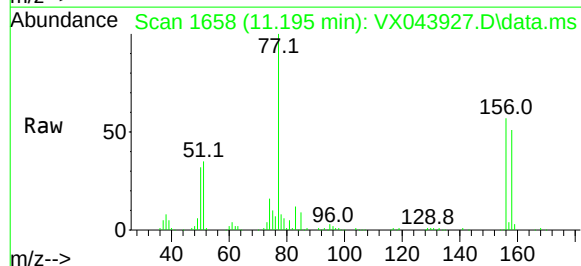
#77
Bromobenzene
Concen: 21.843 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:	156	Resp:	37631
Ion Ratio	Lower	Upper	
156	100		
77	167.6	81.2	243.6
158	96.0	48.6	145.8

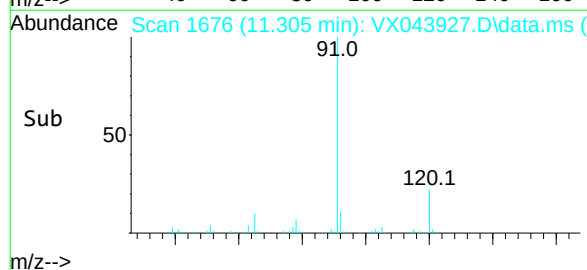
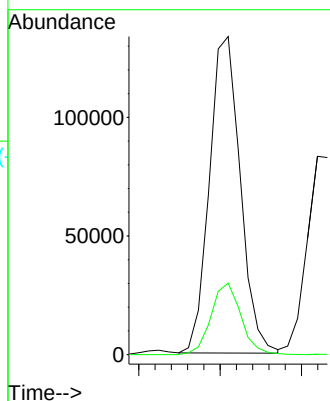
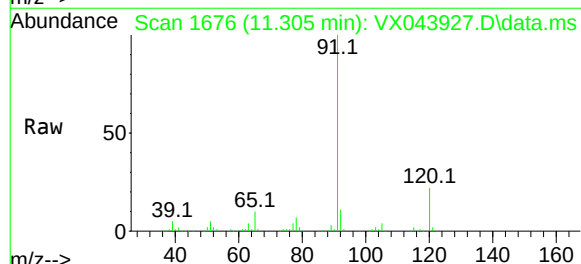
Manual Integrations
APPROVED

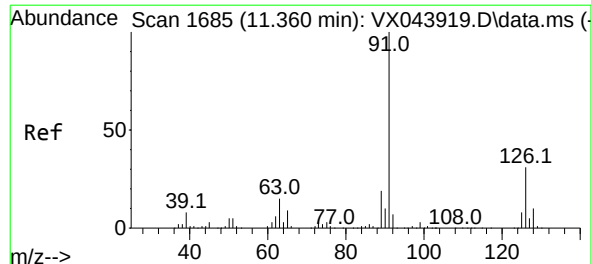
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#78
n-propylbenzene
Concen: 22.696 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:	91	Resp:	176034
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.5	34.5





#79

2-Chlorotoluene

Concen: 22.894 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 112986

Ion Ratio Lower Upper

91 100

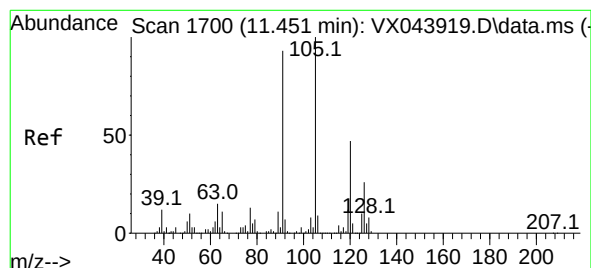
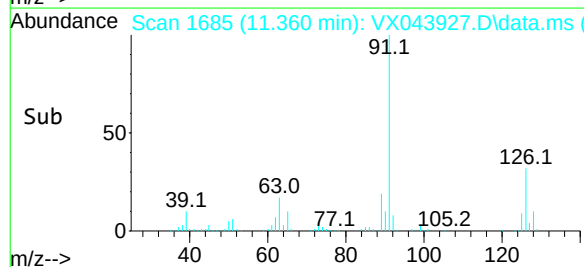
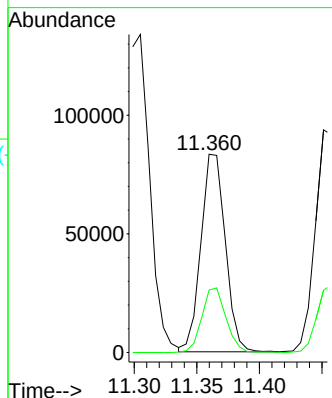
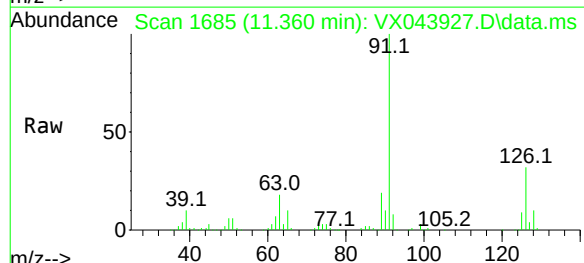
126 32.4 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 22.662 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043927.D

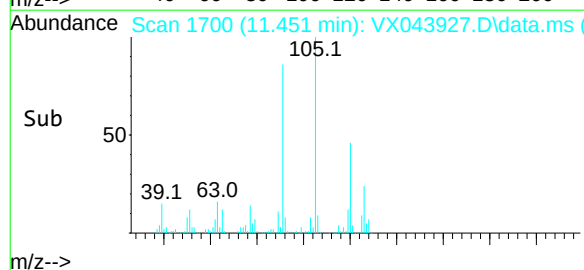
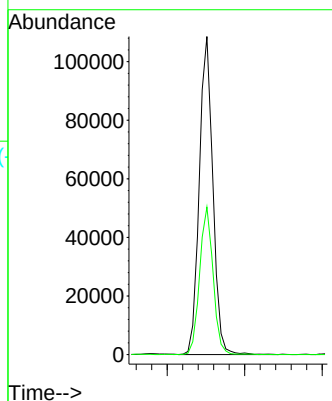
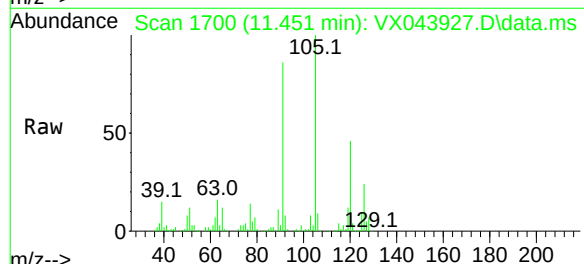
Acq: 21 Nov 2024 10:37

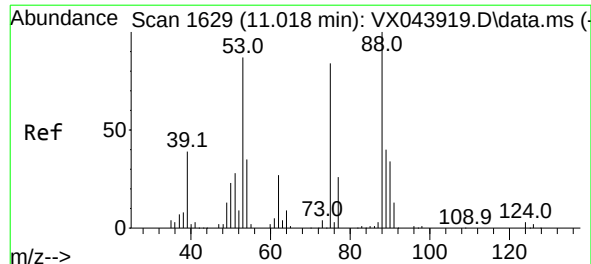
Tgt Ion:105 Resp: 132041

Ion Ratio Lower Upper

105 100

120 46.0 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.654 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 14743

Ion Ratio Lower Upper

75 100

53 116.9 81.7 122.5

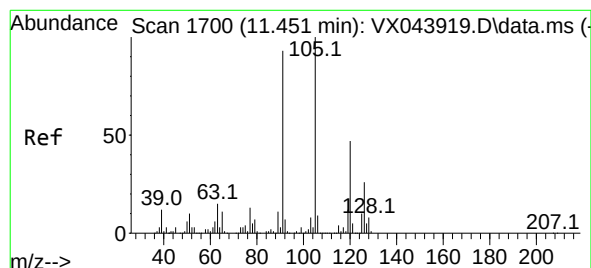
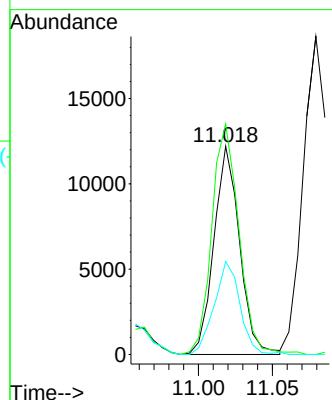
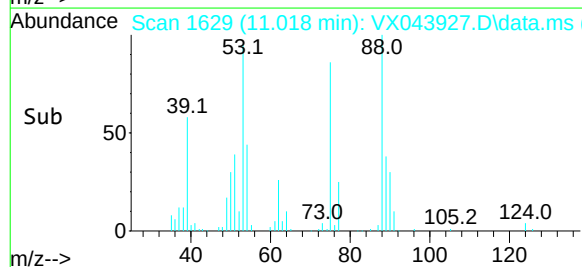
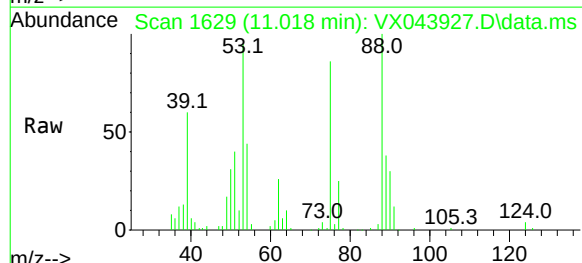
89 44.8 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 22.085 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043927.D

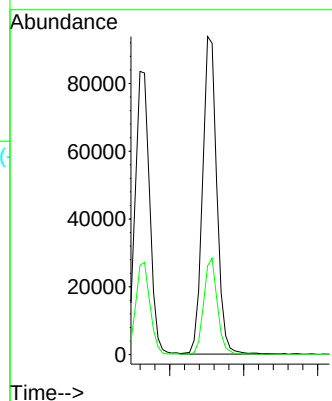
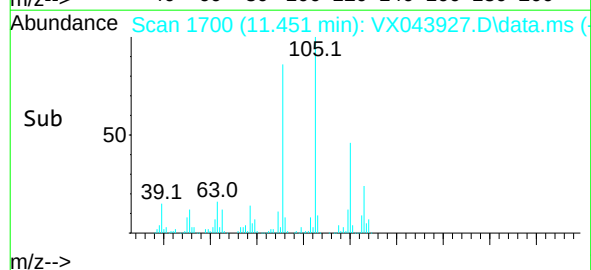
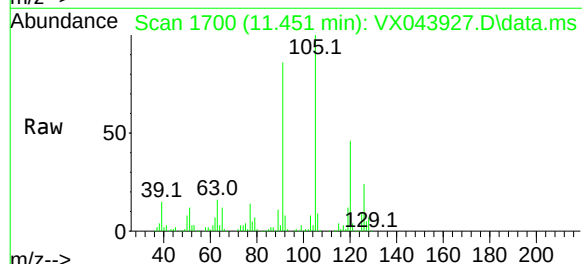
Acq: 21 Nov 2024 10:37

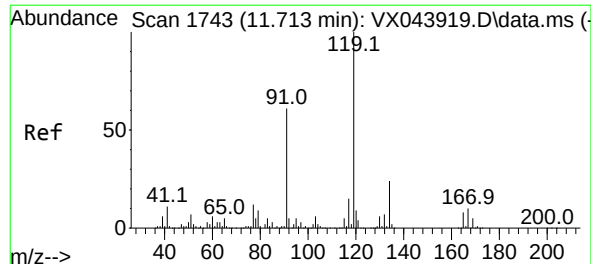
Tgt Ion: 91 Resp: 125521

Ion Ratio Lower Upper

91 100

126 29.2 14.4 43.2





#83

tert-Butylbenzene

Concen: 21.582 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:119 Resp: 128636

Ion Ratio Lower Upper

119 100

91 61.4 29.5 88.6

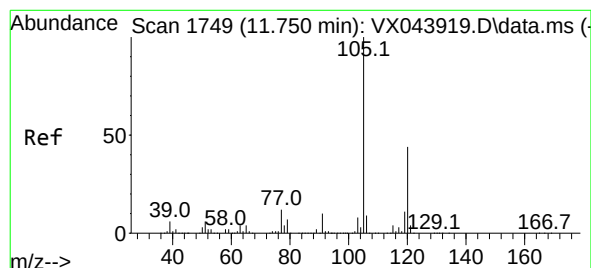
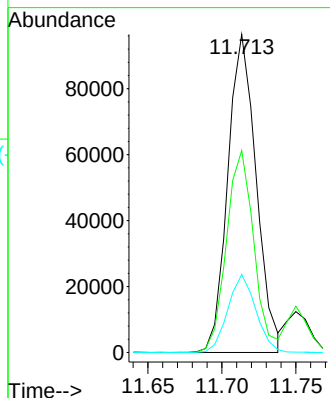
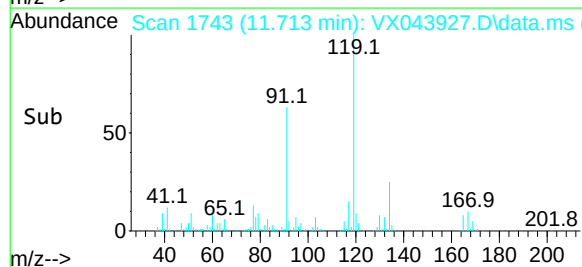
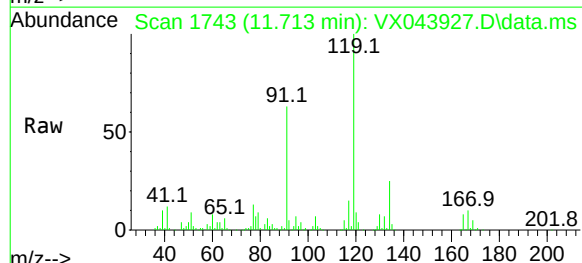
134 24.2 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 22.408 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043927.D

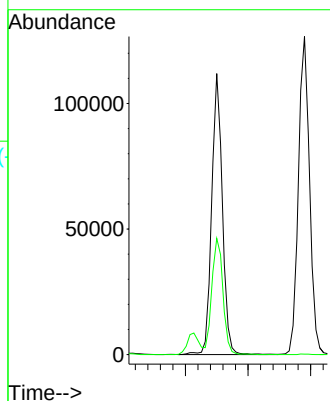
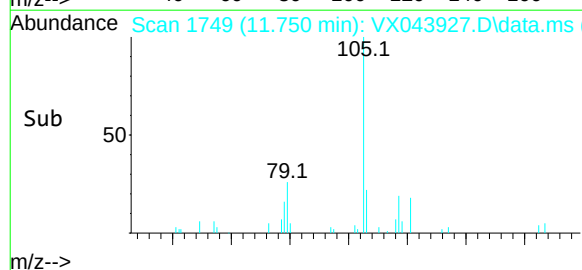
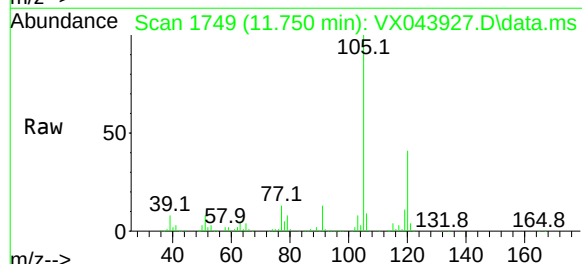
Acq: 21 Nov 2024 10:37

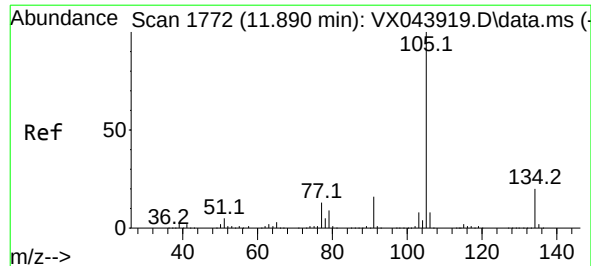
Tgt Ion:105 Resp: 132595

Ion Ratio Lower Upper

105 100

120 42.9 21.7 65.1





#85

sec-Butylbenzene

Concen: 21.962 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 156312

Ion Ratio Lower Upper

105 100

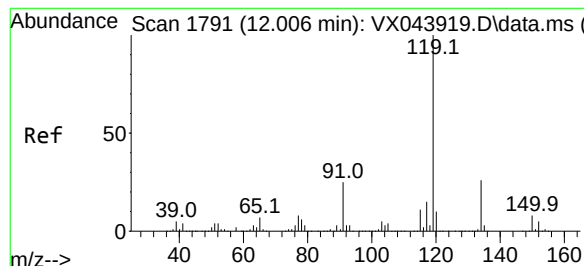
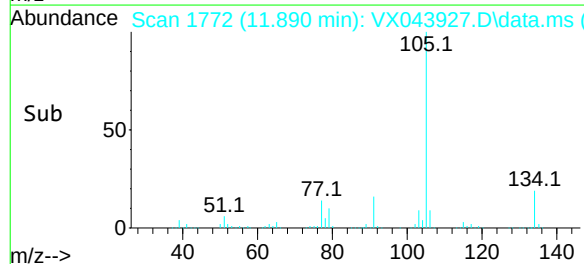
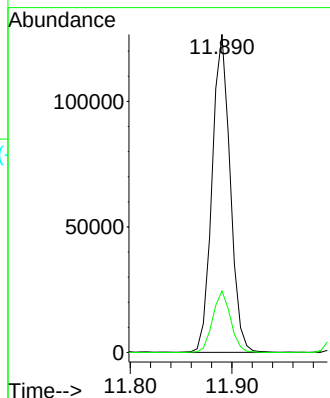
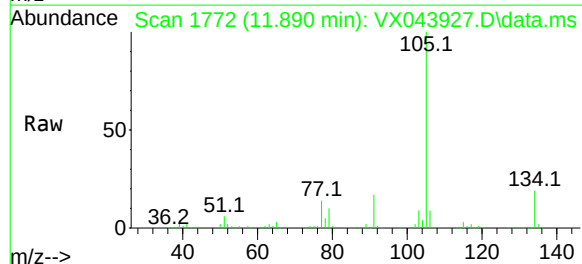
134 19.1 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 21.854 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

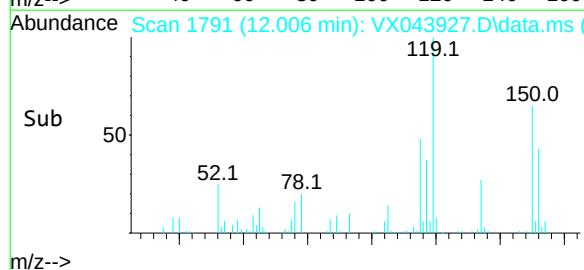
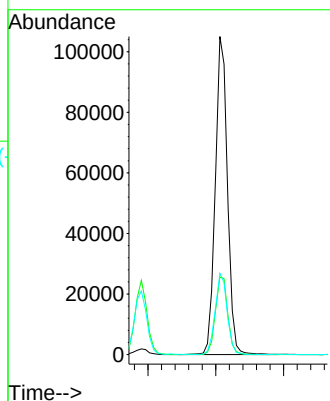
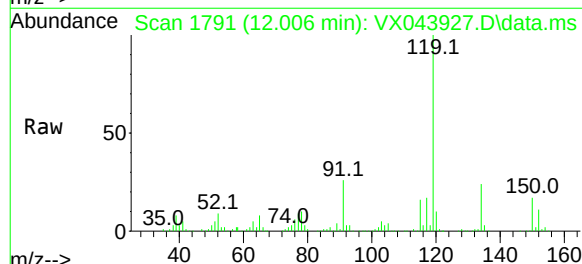
Tgt Ion:119 Resp: 130605

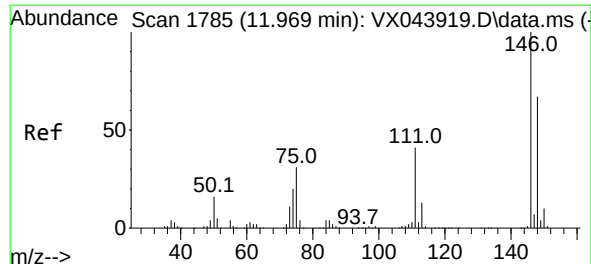
Ion Ratio Lower Upper

119 100

134 24.8 13.0 38.9

91 25.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.986 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 67003

Ion Ratio Lower Upper

146 100

111 41.2 20.8 62.2

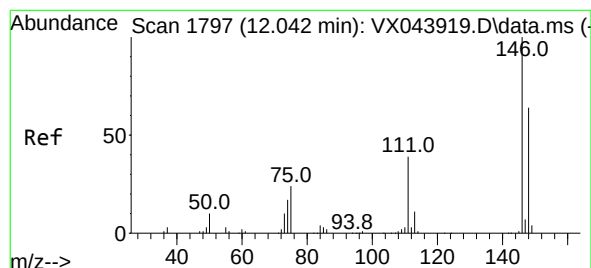
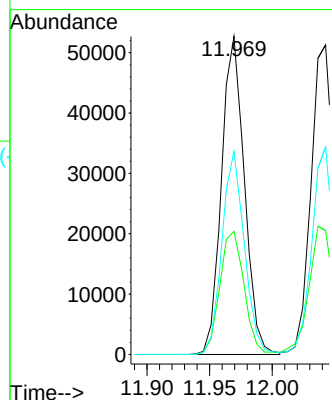
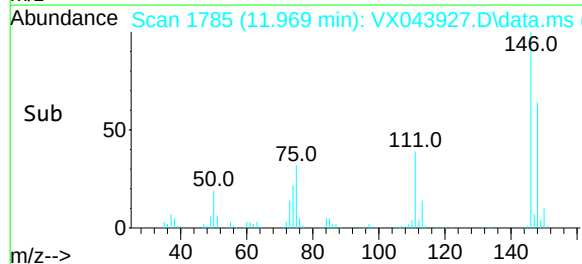
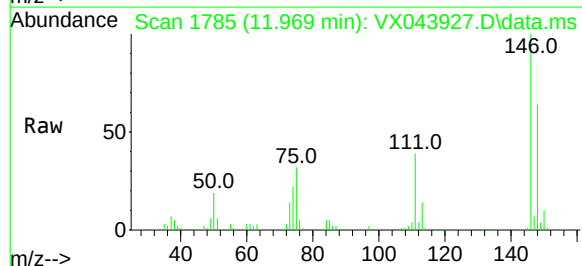
148 62.8 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 20.527 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

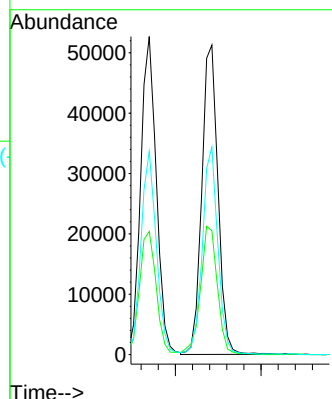
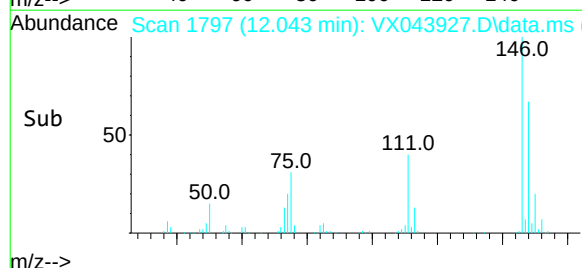
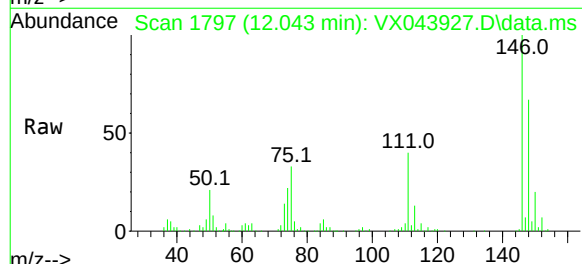
Tgt Ion:146 Resp: 67195

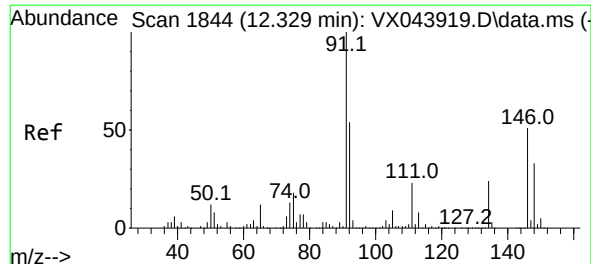
Ion Ratio Lower Upper

146 100

111 43.4 20.1 60.2

148 64.1 32.2 96.6





#89

n-Butylbenzene

Concen: 21.698 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 110491

Ion Ratio Lower Upper

91 100

92 52.3 26.9 80.6

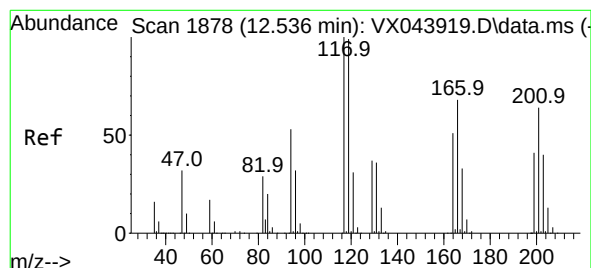
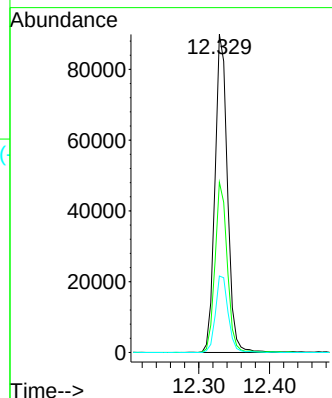
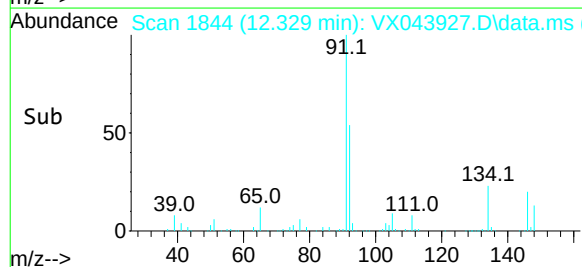
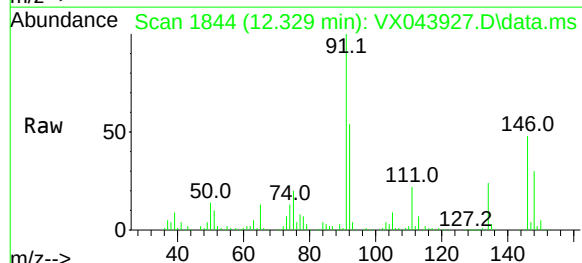
134 24.4 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 19.432 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043927.D

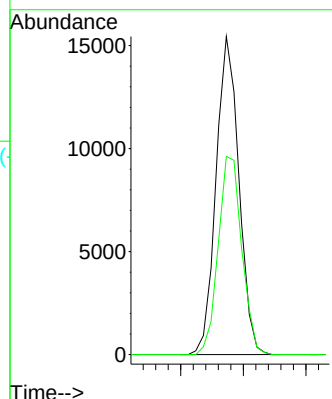
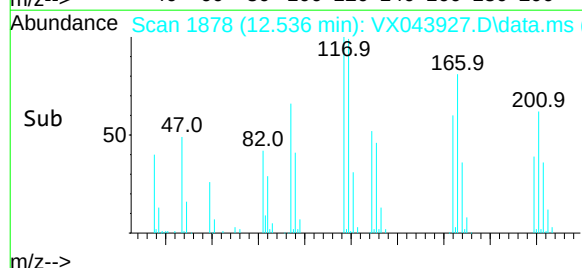
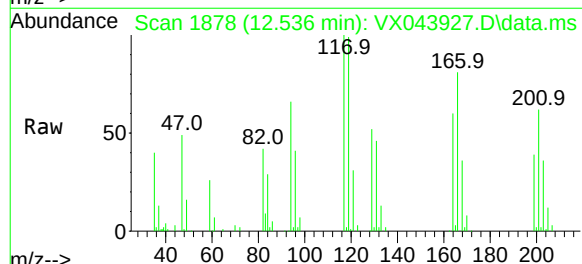
Acq: 21 Nov 2024 10:37

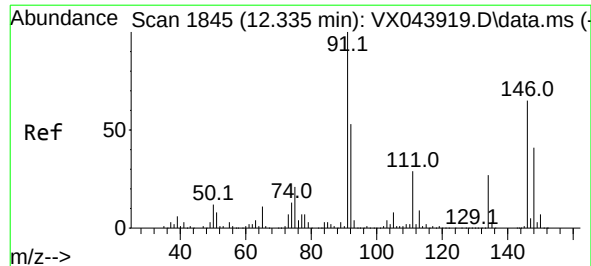
Tgt Ion:117 Resp: 19547

Ion Ratio Lower Upper

117 100

201 64.5 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 20.298 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 146 Resp: 67852

Ion Ratio Lower Upper

146 100

111 44.0 21.7 65.1

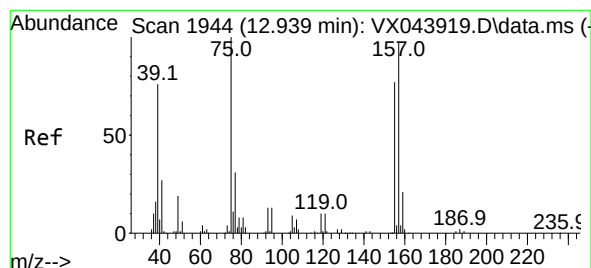
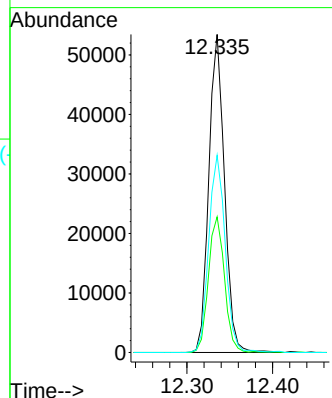
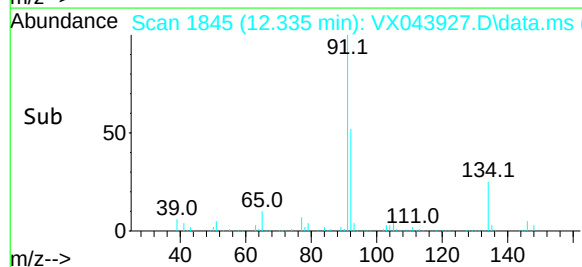
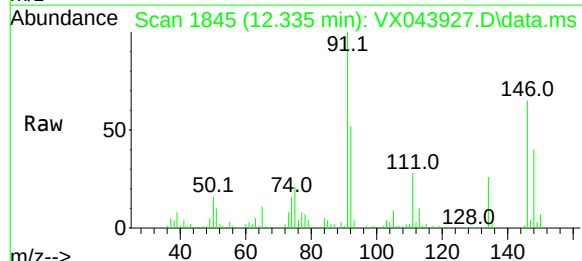
148 65.4 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.259 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

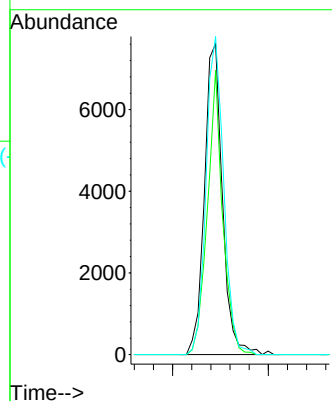
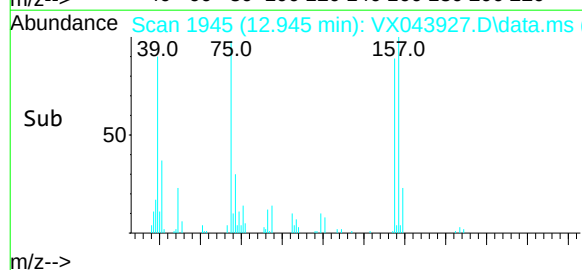
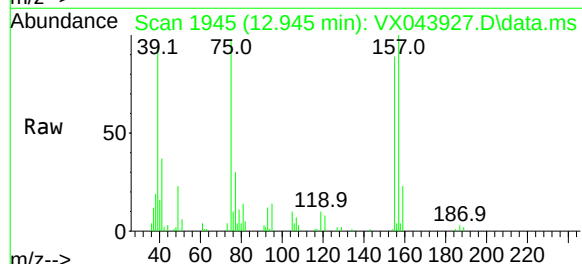
Tgt Ion: 75 Resp: 9939

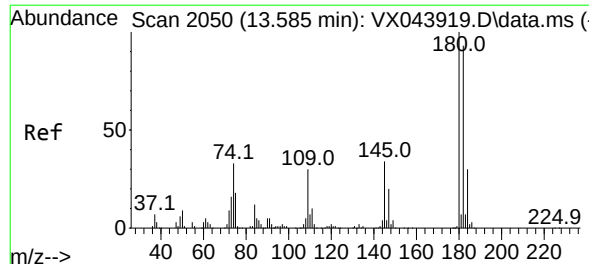
Ion Ratio Lower Upper

75 100

155 77.7 40.8 122.5

157 100.2 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 19.894 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

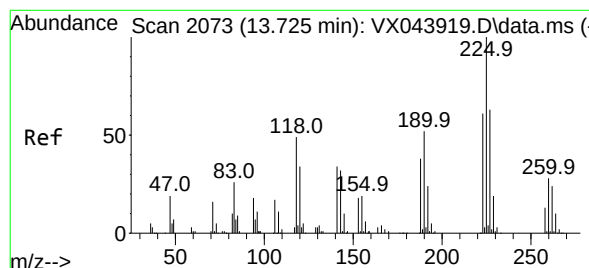
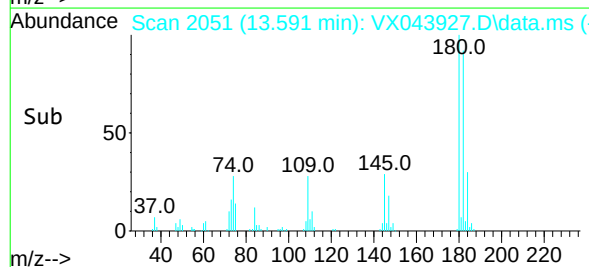
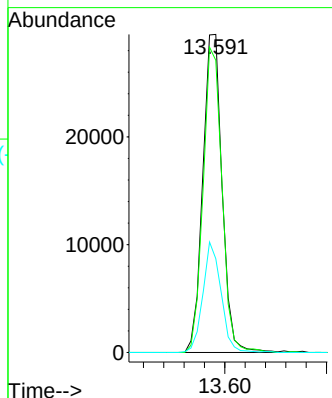
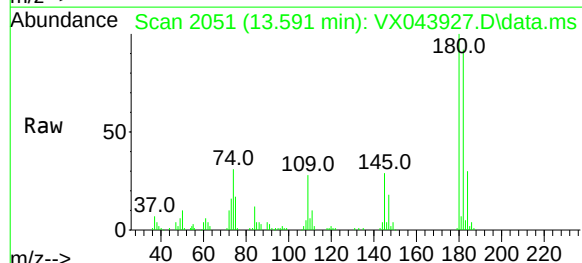
ClientSampleId :

VSTDICC020

Tgt Ion:	180	Resp:	38866
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.8	140.4
145	32.7	16.4	49.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 18.508 ug/l

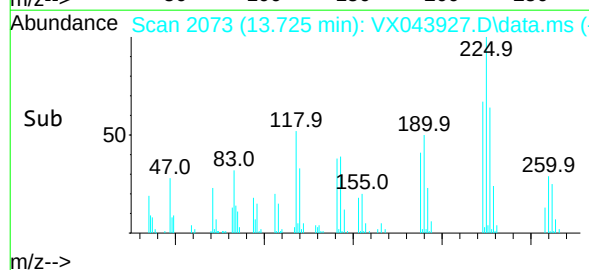
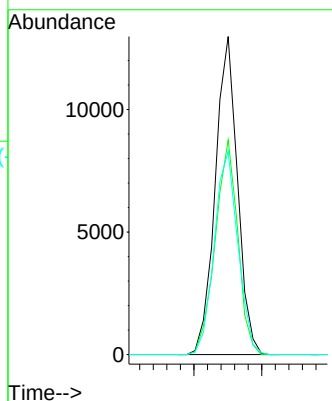
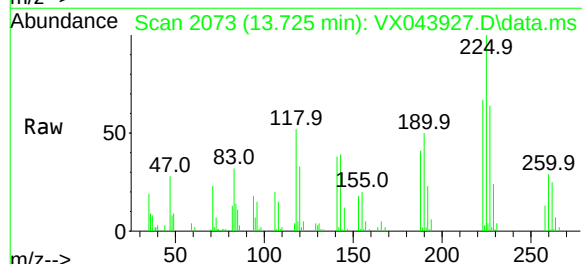
RT: 13.725 min Scan# 2073

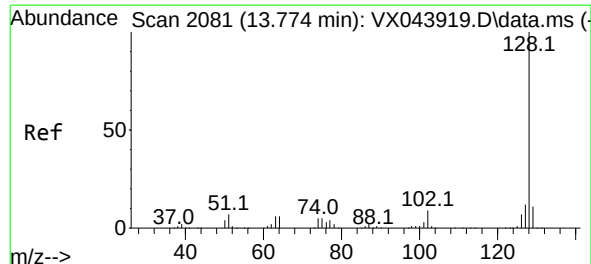
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	225	Resp:	14818
Ion Ratio	Lower	Upper	
225	100		
223	67.9	31.1	93.3
227	67.6	29.8	89.5





#95

Naphthalene

Concen: 19.999 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

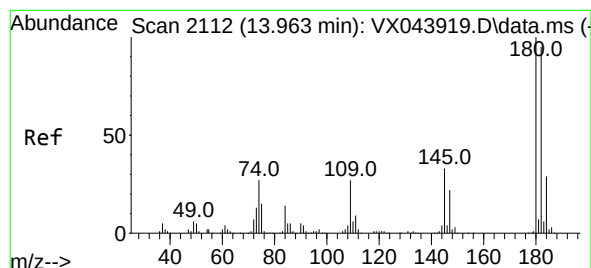
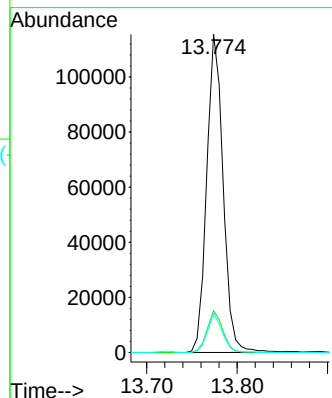
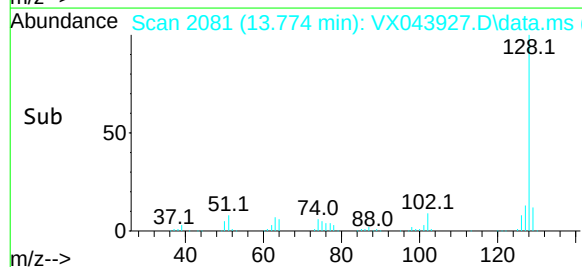
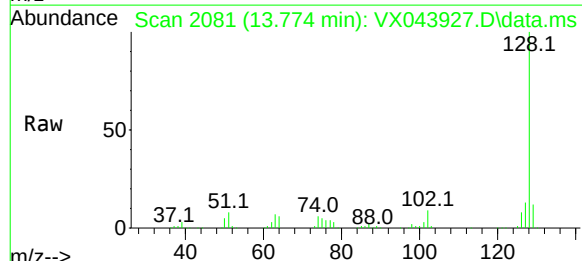
ClientSampleId :

VSTDICC020

Tgt Ion:	128	Resp:	145678
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.3	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 20.415 ug/l

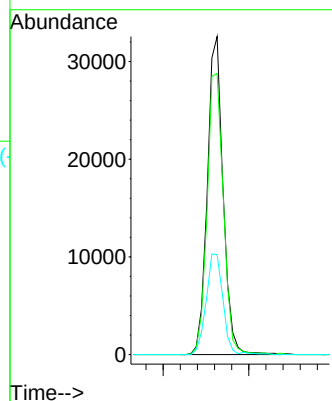
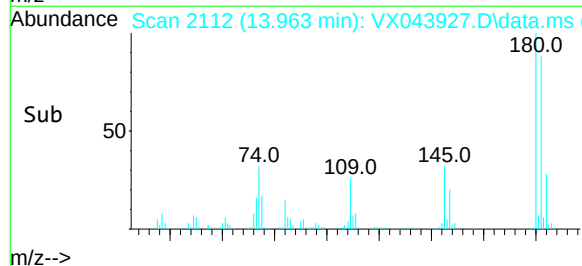
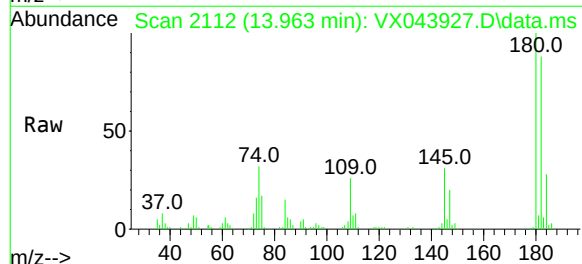
RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:	180	Resp:	41554
Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.6	142.8
145	33.9	17.4	52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 21 12:14:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	138578	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100316	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104086	48.899	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
35) Dibromofluoromethane	5.379	113	78954	48.663	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.320%
50) Toluene-d8	8.641	98	266650	49.194	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.079	95	93510	52.209	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.420%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	94790	67.600	ug/l	98
3) Chloromethane	1.295	50	96646	55.148	ug/l	100
4) Vinyl Chloride	1.374	62	105586	59.966	ug/l	100
5) Bromomethane	1.593	94	61728	77.177	ug/l	97
6) Chloroethane	1.660	64	63580	75.594	ug/l	98
7) Trichlorofluoromethane	1.868	101	188045	74.909	ug/l	100
8) Diethyl Ether	2.130	74	65665	69.383	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	61.367	ug/l	97
10) Methyl Iodide	2.441	142	112083	53.608	ug/l	95
11) Tert butyl alcohol	2.995	59	100130	295.821	ug/l	99
12) 1,1-Dichloroethene	2.307	96	83087	57.625	ug/l	92
13) Acrolein	2.233	56	100647	265.136	ug/l	97
14) Allyl chloride	2.654	41	144663	61.883	ug/l	91
15) Acrylonitrile	3.063	53	256493	294.373	ug/l	98
16) Acetone	2.380	43	294611	344.605	ug/l	93
17) Carbon Disulfide	2.502	76	178294	56.633	ug/l	99
18) Methyl Acetate	2.703	43	136735	58.404	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	313754	58.872	ug/l	98
20) Methylene Chloride	2.782	84	92475	51.676	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	87752	55.825	ug/l	95
22) Diisopropyl ether	3.758	45	299631	58.668	ug/l	94
23) Vinyl Acetate	3.715	43	1344870	324.875	ug/l	97
24) 1,1-Dichloroethane	3.599	63	174008	57.932	ug/l	99
25) 2-Butanone	4.556	43	392575	328.247	ug/l	97
26) 2,2-Dichloropropane	4.465	77	158151	64.072	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	109742	56.100	ug/l	94
28) Bromochloromethane	4.885	49	62386	49.360	ug/l	88
29) Tetrahydrofuran	5.001	42	234208	303.060	ug/l	97
30) Chloroform	5.080	83	182404	58.257	ug/l	94
31) Cyclohexane	5.458	56	144224	59.242	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	164023	61.280	ug/l	98
36) 1,1-Dichloropropene	5.678	75	119269	58.983	ug/l	99
37) Ethyl Acetate	4.709	43	147393	64.767	ug/l	98
38) Carbon Tetrachloride	5.666	117	134725	62.932	ug/l	97
39) Methylcyclohexane	7.373	83	158586	62.647	ug/l	95
40) Benzene	6.025	78	360978	56.780	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 21 12:14:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	79507	67.041	ug/l	96
42) 1,2-Dichloroethane	6.074	62	145681	63.109	ug/l	97
43) Isopropyl Acetate	6.336	43	235856	65.697	ug/l	94
44) Trichloroethene	7.117	130	90015	51.360	ug/l	91
45) 1,2-Dichloropropane	7.422	63	89529	57.459	ug/l	98
46) Dibromomethane	7.574	93	70679	60.196	ug/l	96
47) Bromodichloromethane	7.818	83	131365	63.678	ug/l	97
48) Methyl methacrylate	7.690	41	112803	63.393	ug/l #	88
49) 1,4-Dioxane	7.659	88	33402	881.301	ug/l #	73
51) 4-Methyl-2-Pentanone	8.574	43	732582	327.265	ug/l	95
52) Toluene	8.714	92	222500	60.664	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	137451	65.667	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	147638	62.243	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	89441	62.501	ug/l	97
56) Ethyl methacrylate	9.116	69	148281	65.443	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	151124	63.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	312.467	ug/l	98
59) 2-Hexanone	9.427	43	568460	359.925	ug/l	93
60) Dibromochloromethane	9.519	129	95641	68.588	ug/l	99
61) 1,2-Dibromoethane	9.604	107	92940	62.263	ug/l	99
64) Tetrachloroethene	9.269	164	74157	54.472	ug/l	99
65) Chlorobenzene	10.080	112	243080	54.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	56.885	ug/l	98
67) Ethyl Benzene	10.189	91	429559	57.573	ug/l	97
68) m/p-Xylenes	10.299	106	323661	116.466	ug/l	96
69) o-Xylene	10.640	106	160643	59.245	ug/l	99
70) Styrene	10.653	104	268004	59.974	ug/l	98
71) Bromoform	10.799	173	60267	62.587	ug/l #	98
73) Isopropylbenzene	10.957	105	411000	57.397	ug/l	99
74) N-ethyl acetate	10.842	43	200195	62.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	57.726	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	118450m	57.858	ug/l	
77) Bromobenzene	11.195	156	97761	55.706	ug/l	97
78) n-propylbenzene	11.299	91	474802	60.094	ug/l	100
79) 2-Chlorotoluene	11.360	91	286649	57.018	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	58.215	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	61.129	ug/l	96
82) 4-Chlorotoluene	11.451	91	333946	57.679	ug/l	100
83) tert-Butylbenzene	11.713	119	345112	56.841	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	345112	57.254	ug/l	99
85) sec-Butylbenzene	11.890	105	426284	58.794	ug/l	99
86) p-Isopropyltoluene	12.006	119	353256	58.026	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	176936	54.401	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	178728	53.598	ug/l	98
89) n-Butylbenzene	12.329	91	319448	61.581	ug/l	99
90) Hexachloroethane	12.536	117	59010	57.586	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	177334	52.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	56.961	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.645	ug/l	98
94) Hexachlorobutadiene	13.725	225	41267	50.599	ug/l	95
95) Naphthalene	13.774	128	401752	54.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	54.094	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

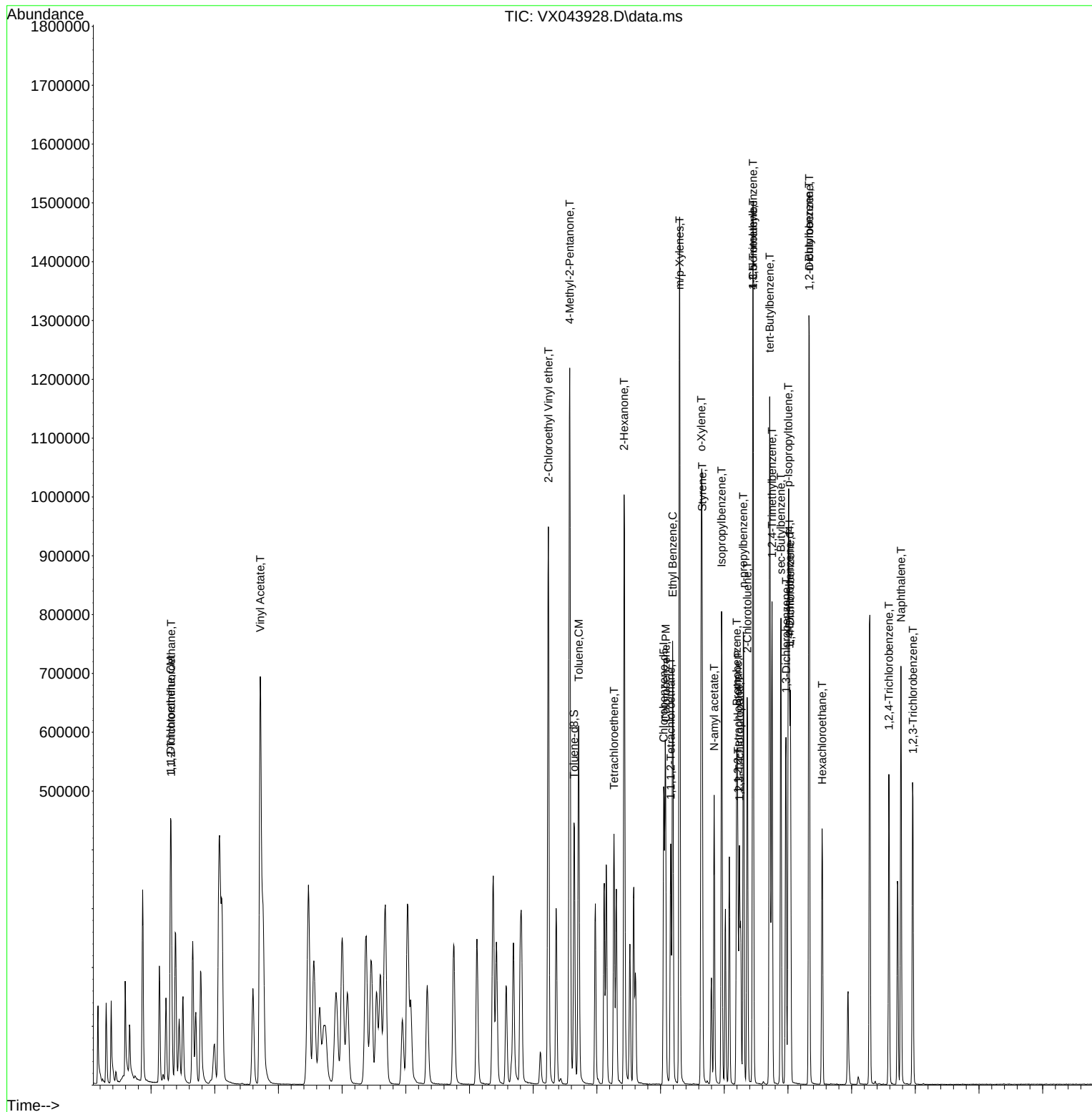
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Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

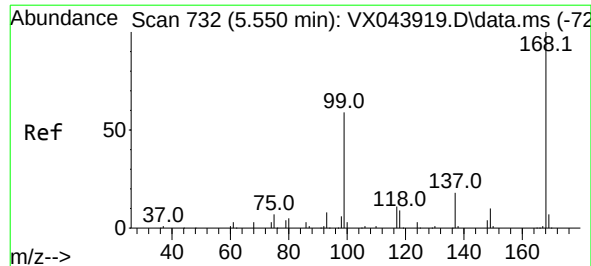
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024





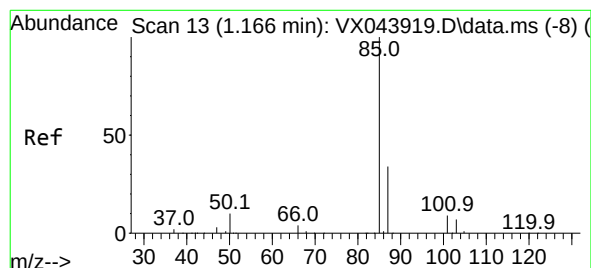
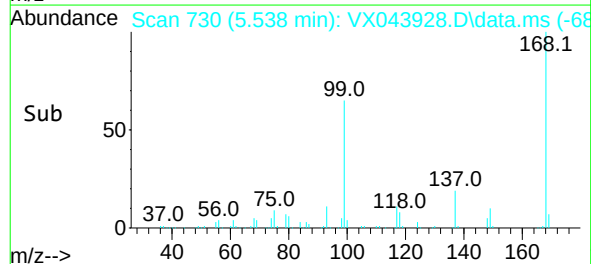
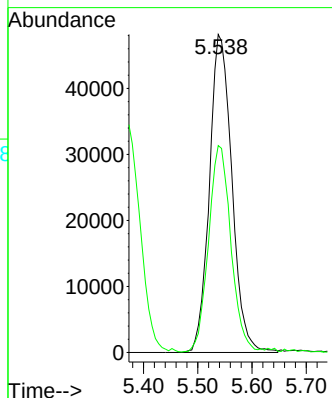
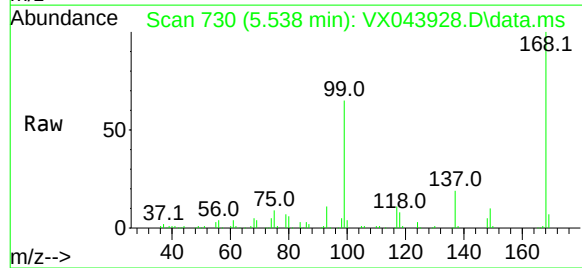
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 168 Resp: 138578
Ion Ratio Lower Upper
168 100
99 64.8 46.9 70.3

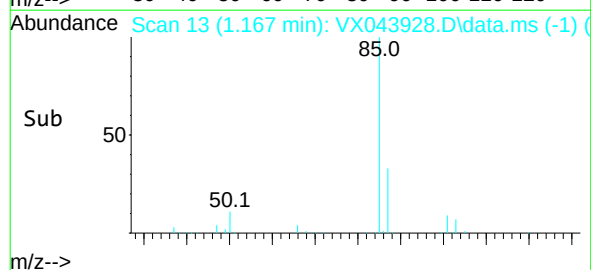
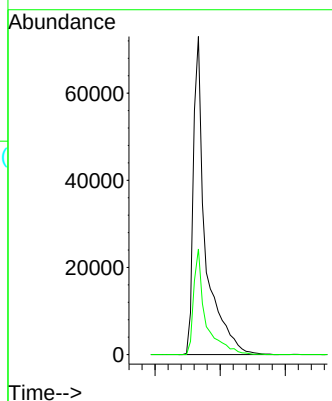
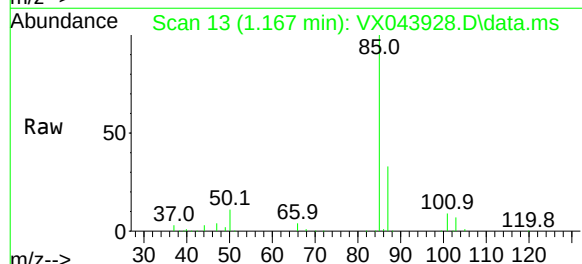
Manual Integrations
APPROVED

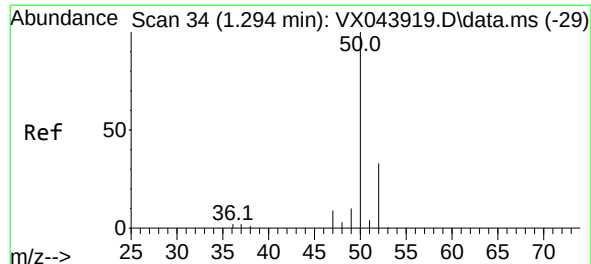
Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 67.600 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790
Ion Ratio Lower Upper
85 100
87 33.2 17.1 51.2





#3

Chloromethane

Concen: 55.148 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 96646

Ion Ratio Lower Upper

50 100

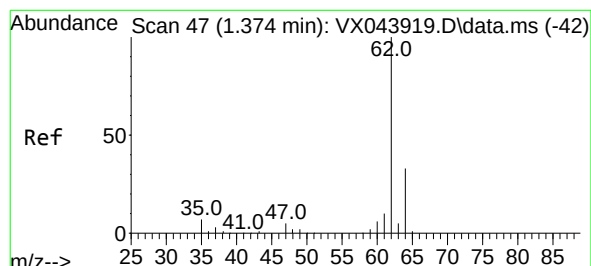
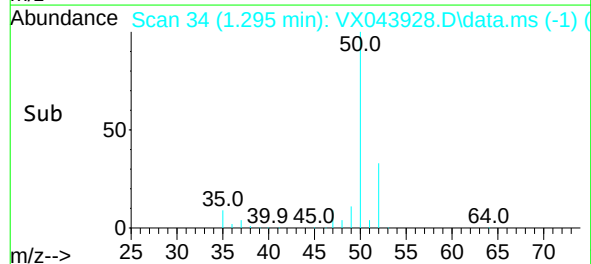
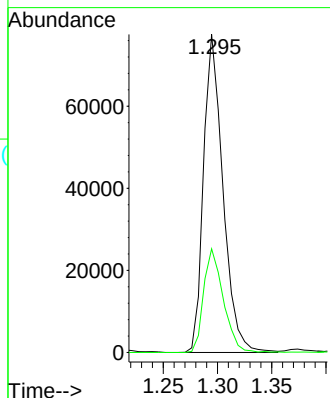
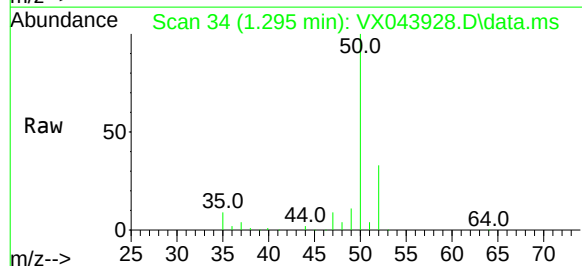
52 32.6 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 59.966 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043928.D

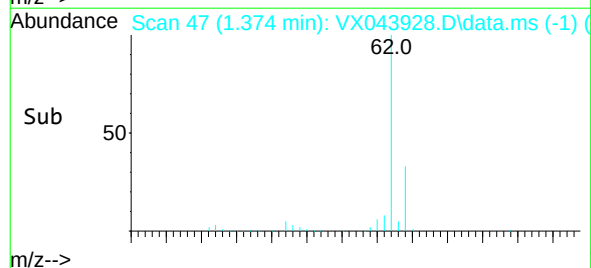
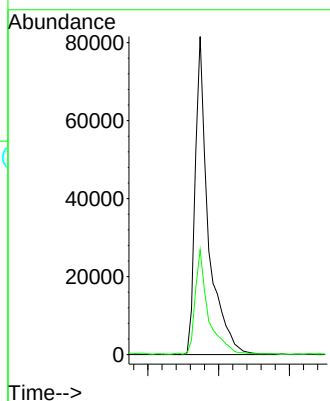
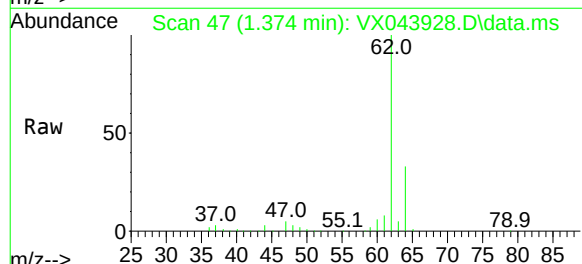
Acq: 21 Nov 2024 11:17

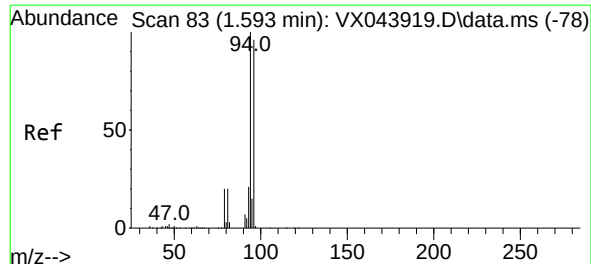
Tgt Ion: 62 Resp: 105586

Ion Ratio Lower Upper

62 100

64 32.8 26.1 39.1





#5

Bromomethane

Concen: 77.177 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 61728

Ion Ratio Lower Upper

94 100

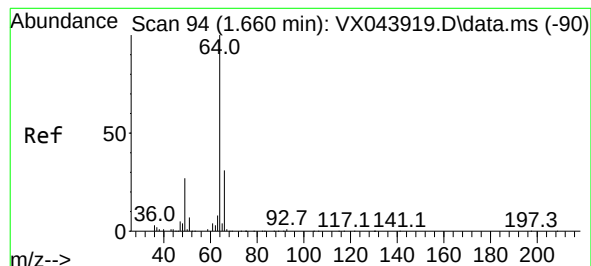
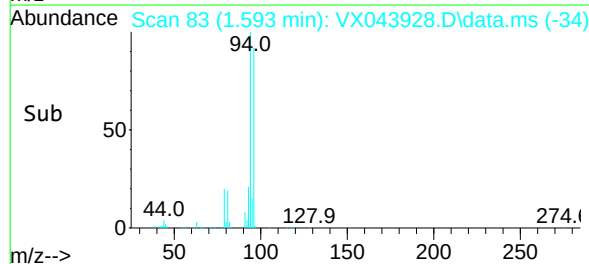
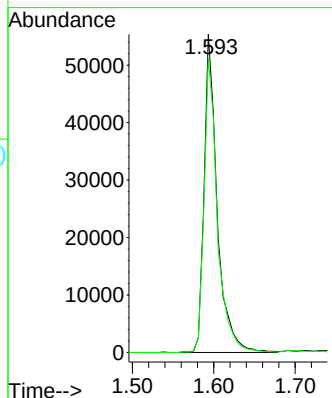
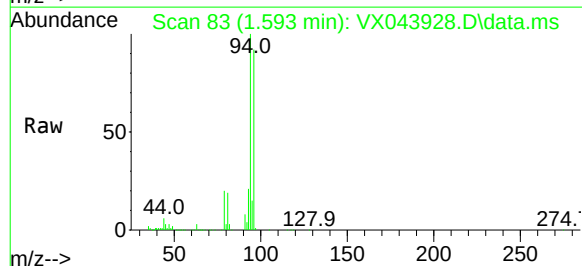
96 92.4 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 75.594 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043928.D

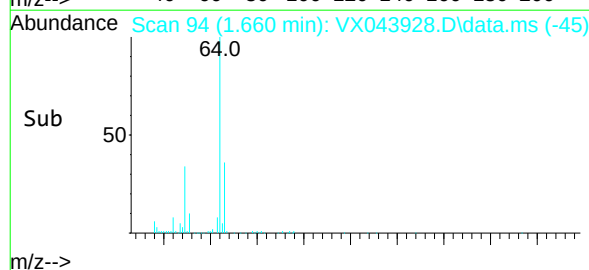
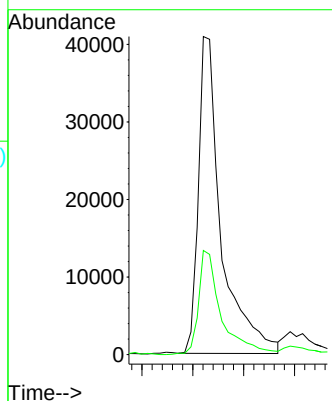
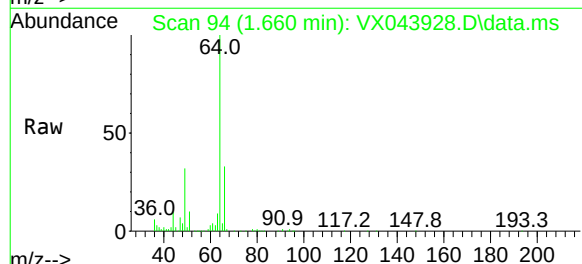
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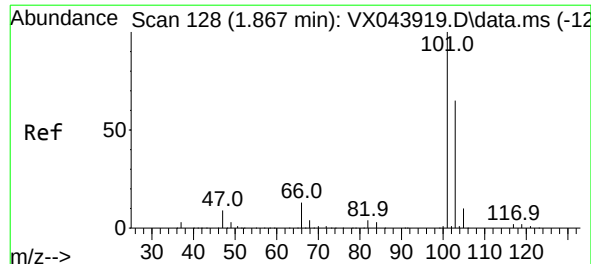
Tgt Ion: 64 Resp: 63580

Ion Ratio Lower Upper

64 100

66 32.4 24.9 37.3





Trichlorofluoromethane

Concen: 74.909 ug/l

RT: 1.868 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 188045

Ion Ratio Lower Upper

101 100

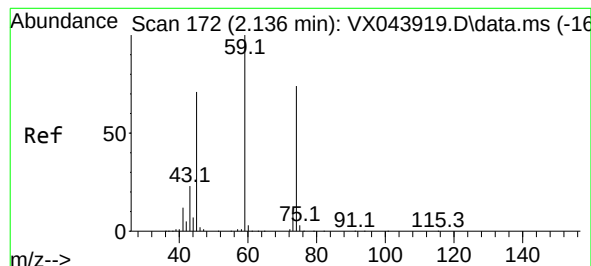
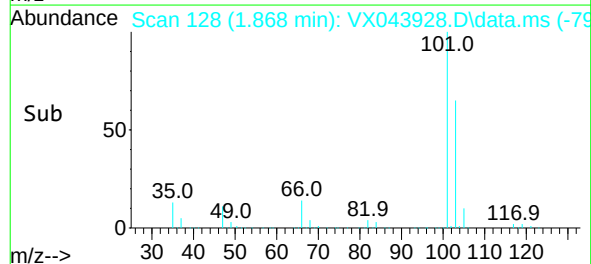
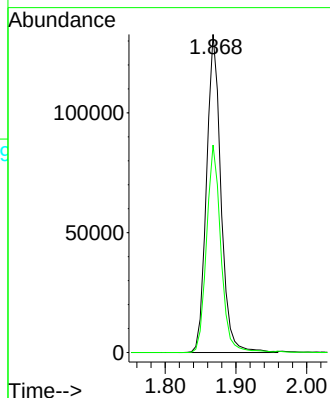
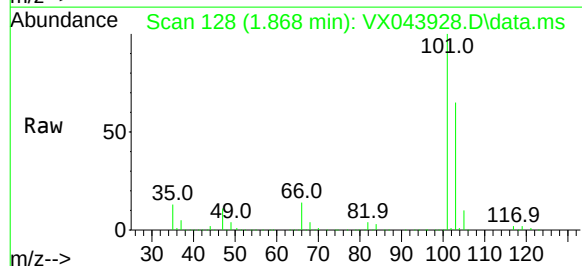
103 65.2 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



Diethyl Ether

Concen: 69.383 ug/l

RT: 2.130 min Scan# 171

Delta R.T. -0.006 min

Lab File: VX043928.D

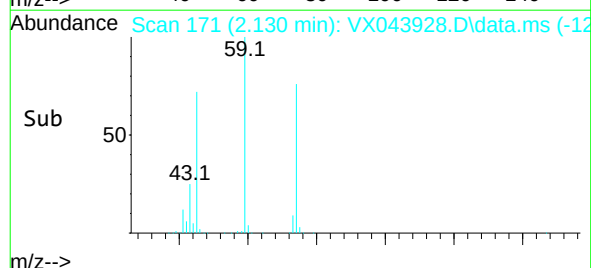
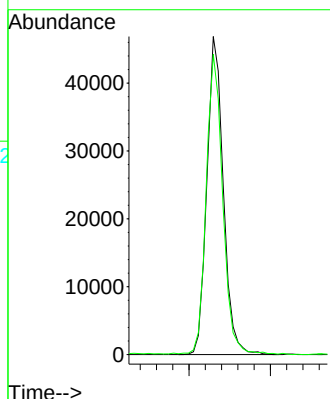
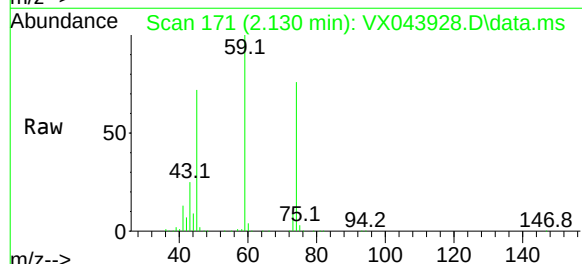
Acq: 21 Nov 2024 11:17

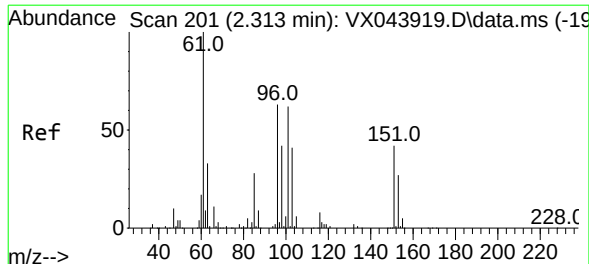
Tgt Ion: 74 Resp: 65665

Ion Ratio Lower Upper

74 100

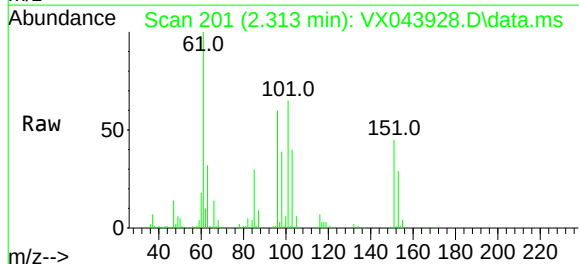
45 95.7 49.9 149.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.367 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

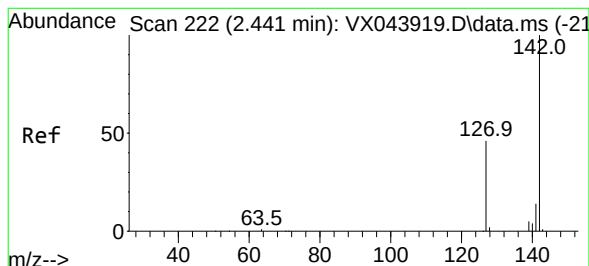
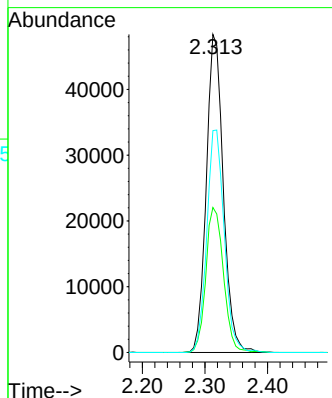
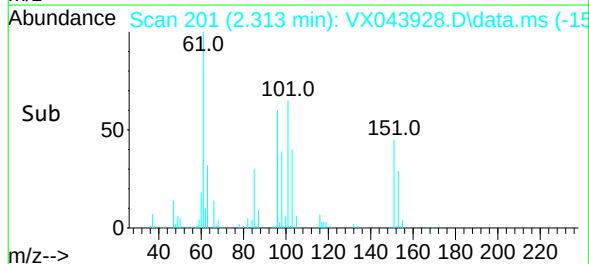
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 91167
Ion Ratio Lower Upper
101 100
85 47.4 36.6 54.8
151 71.9 59.8 89.6

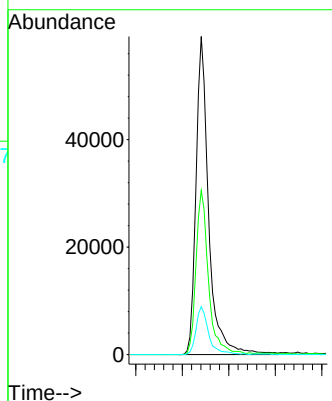
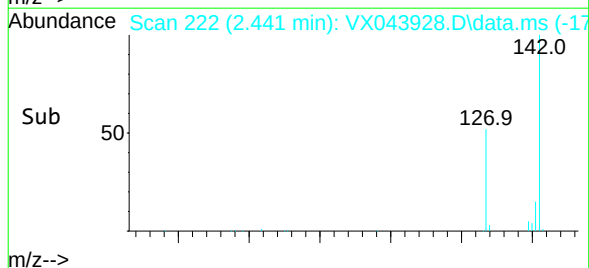
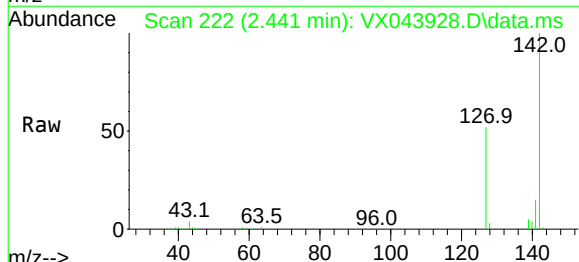
Manual Integrations
APPROVED

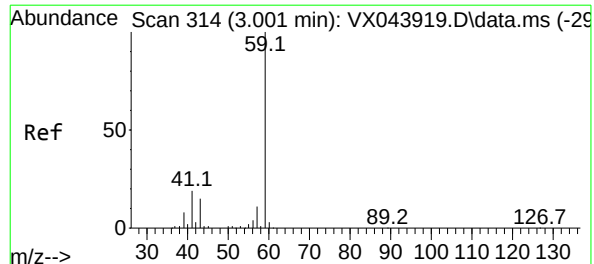
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10
Methyl Iodide
Concen: 53.608 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083
Ion Ratio Lower Upper
142 100
127 50.9 37.3 55.9
141 15.0 11.4 17.2





#11

Tert butyl alcohol

Concen: 295.821 ug/l

RT: 2.995 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 100130

Ion Ratio Lower Upper

59 100

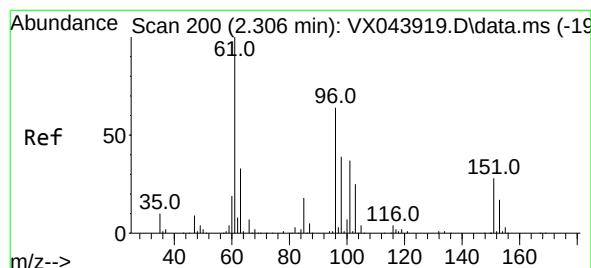
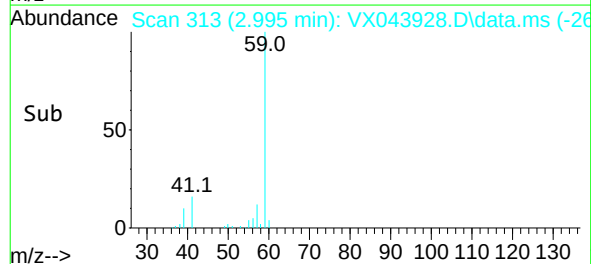
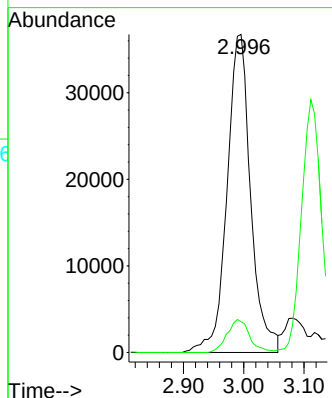
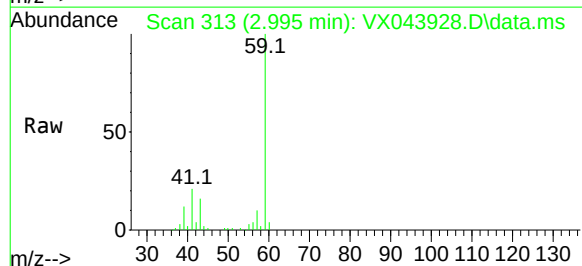
57 9.9 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 57.625 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

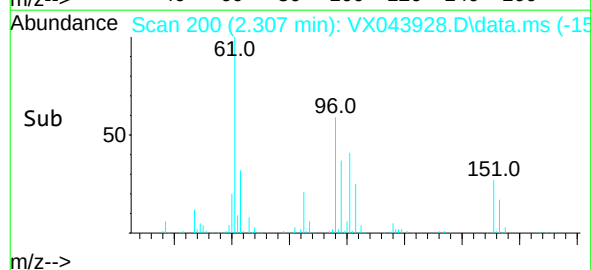
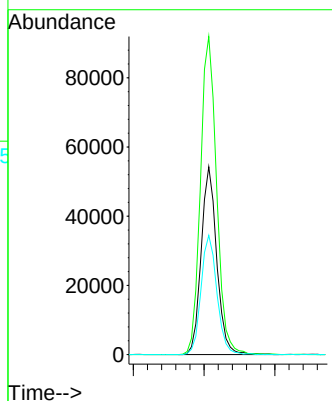
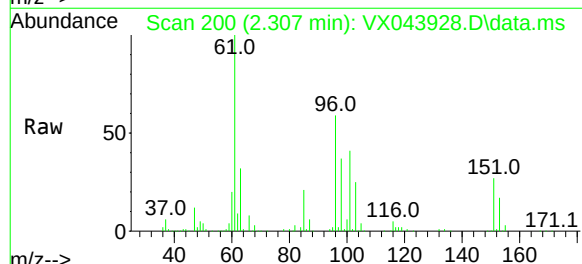
Tgt Ion: 96 Resp: 83087

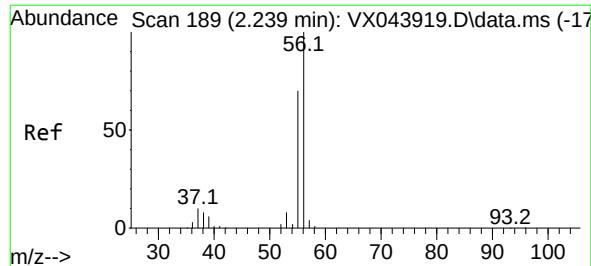
Ion Ratio Lower Upper

96 100

61 169.4 124.6 187.0

98 63.5 49.0 73.6





#13

Acrolein

Concen: 265.136 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 100647

Ion Ratio Lower Upper

56 100

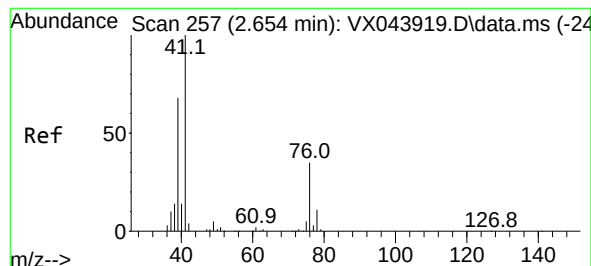
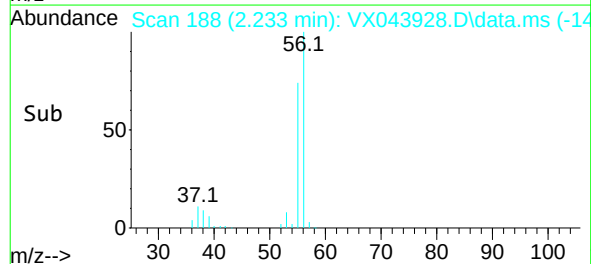
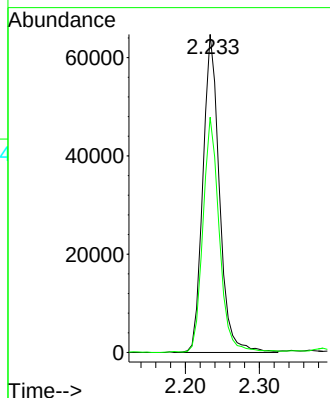
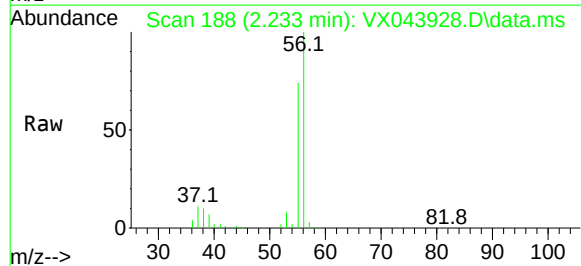
55 72.7 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 61.883 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

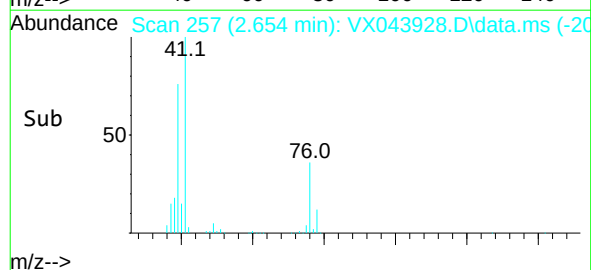
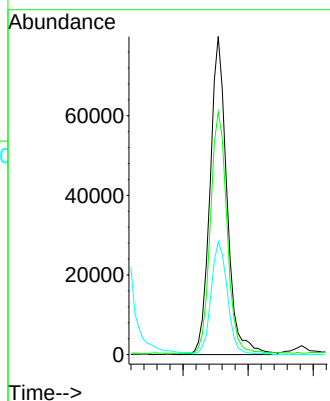
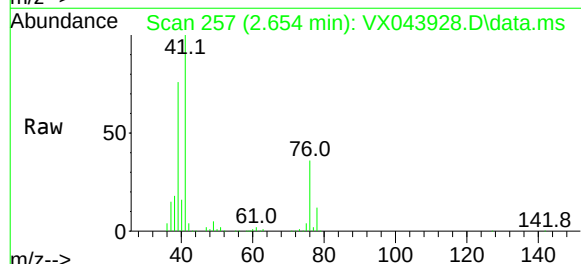
Tgt Ion: 41 Resp: 144663

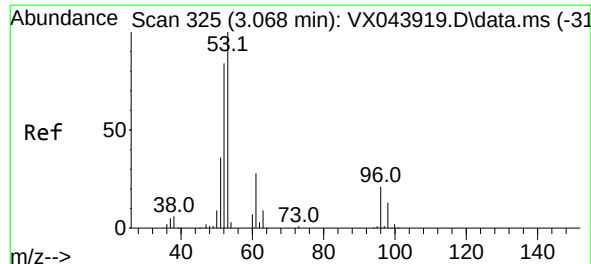
Ion Ratio Lower Upper

41 100

39 74.4 51.7 77.5

76 34.3 28.2 42.2





#15

Acrylonitrile

Concen: 294.373 ug/l

RT: 3.063 min Scan# 32

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

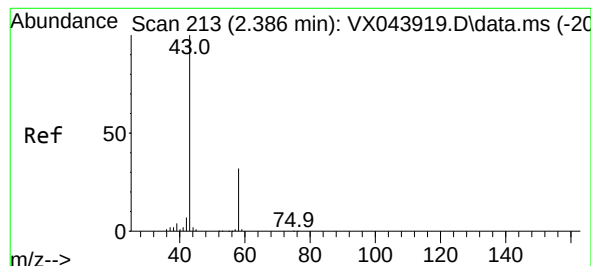
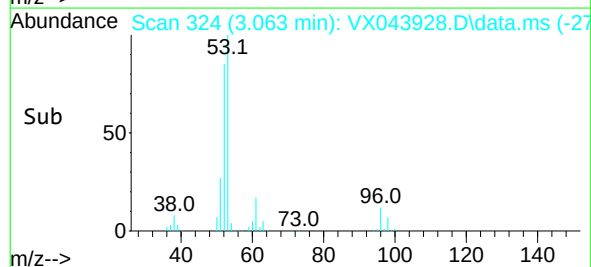
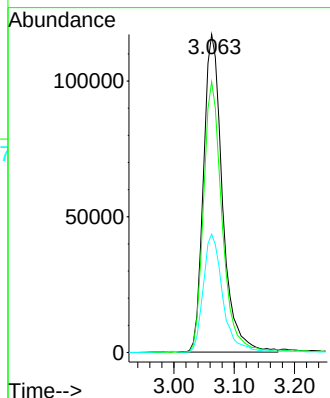
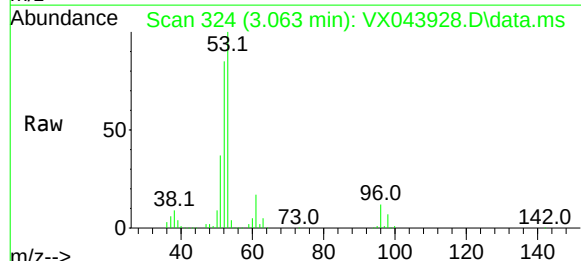
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	256493
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	37.8	28.6	42.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 344.605 ug/l

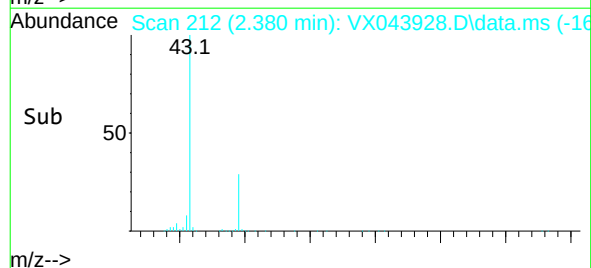
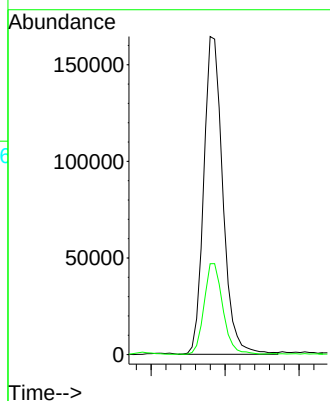
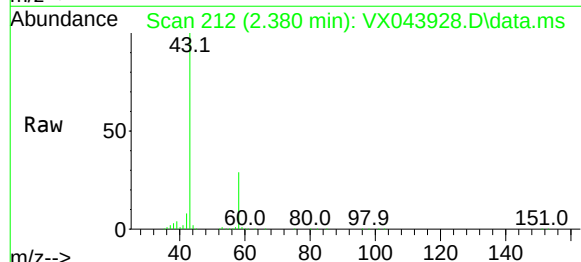
RT: 2.380 min Scan# 212

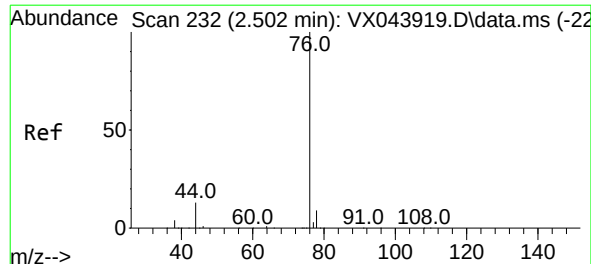
Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	43	Resp:	294611
Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.8	38.6





#17

Carbon Disulfide

Concen: 56.633 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 178294

Ion Ratio Lower Upper

76 100

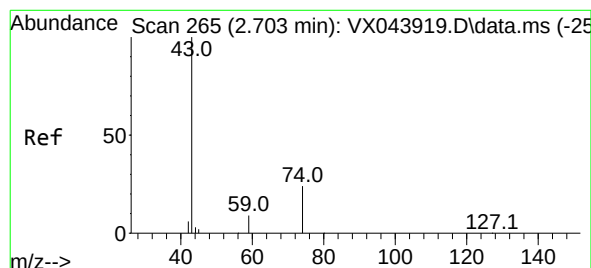
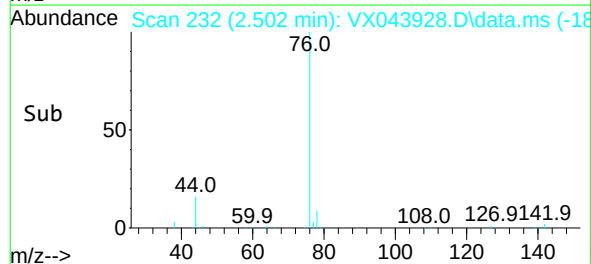
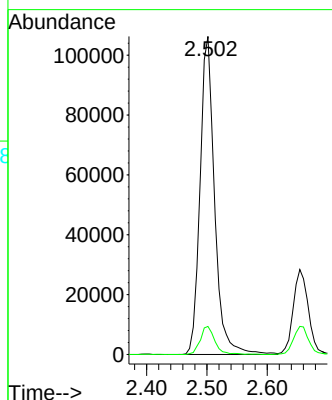
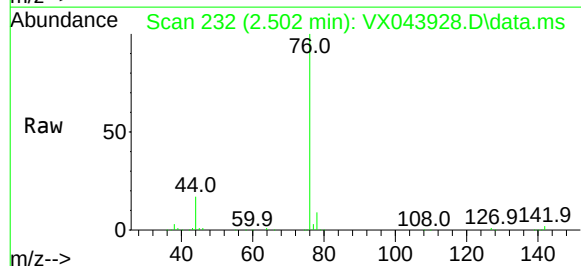
78 8.8 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 58.404 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX043928.D

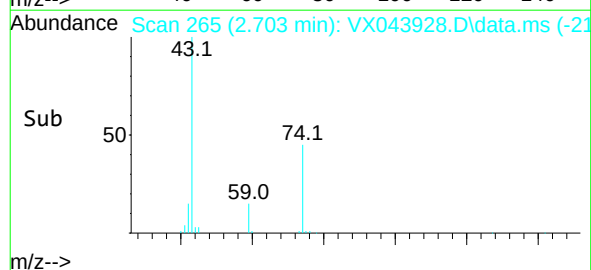
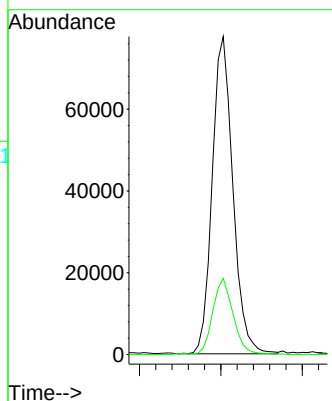
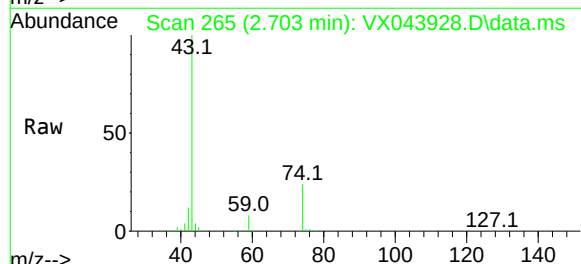
Acq: 21 Nov 2024 11:17

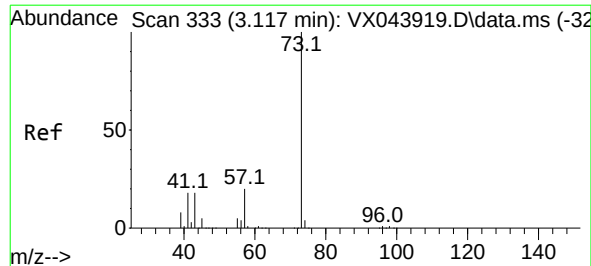
Tgt Ion: 43 Resp: 136735

Ion Ratio Lower Upper

43 100

74 23.6 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 58.872 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 313754

Ion Ratio Lower Upper

73 100

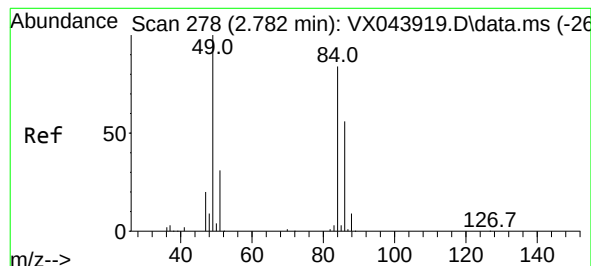
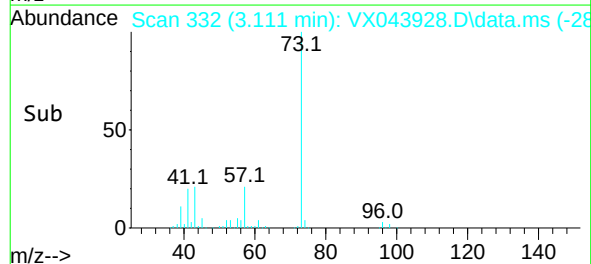
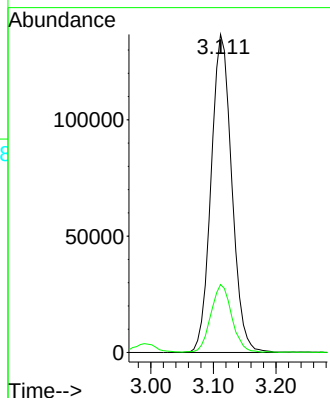
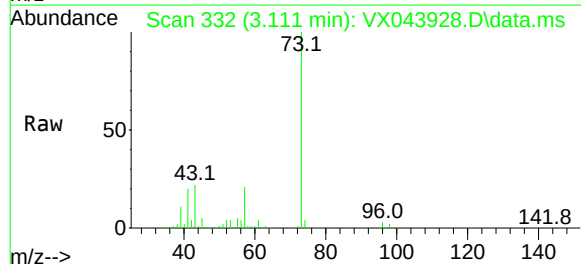
57 21.3 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 51.676 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

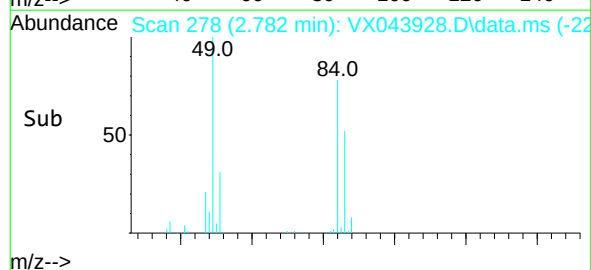
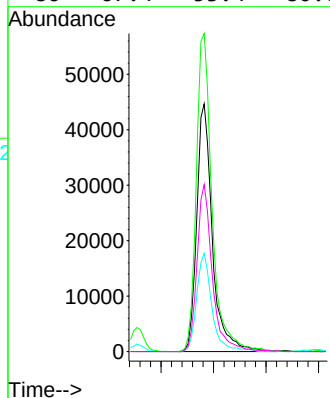
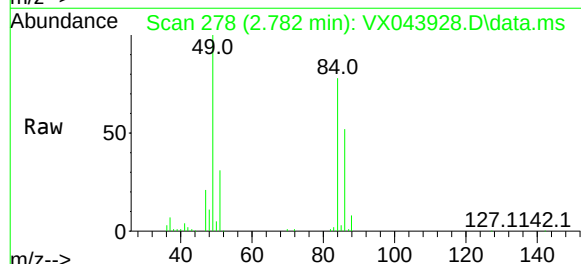
Ion Ratio Lower Upper

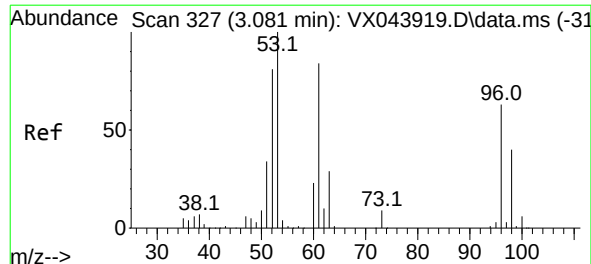
84 100

49 128.4 95.1 142.7

51 39.6 29.2 43.8

86 67.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 55.825 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 87752

Ion Ratio Lower Upper

96 100

61 139.7 106.4 159.6

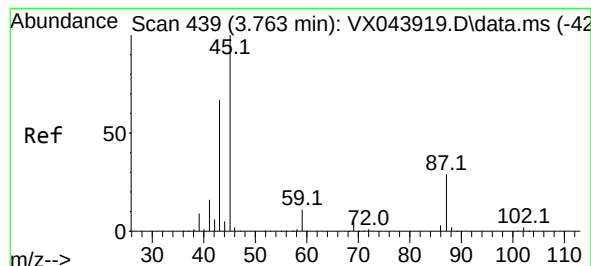
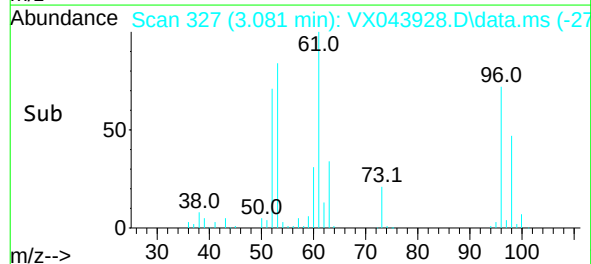
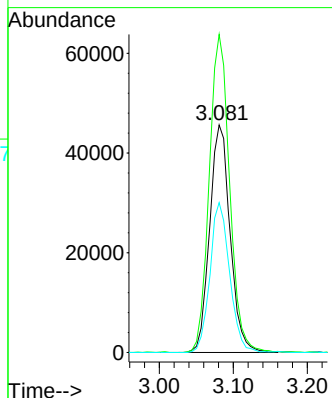
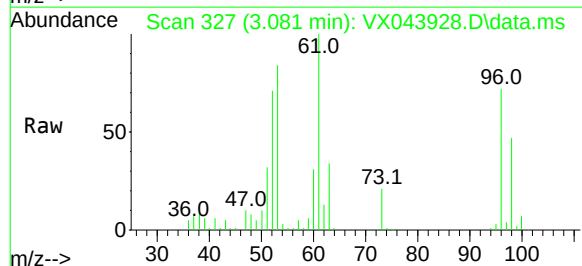
98 65.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 58.668 ug/l

RT: 3.758 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

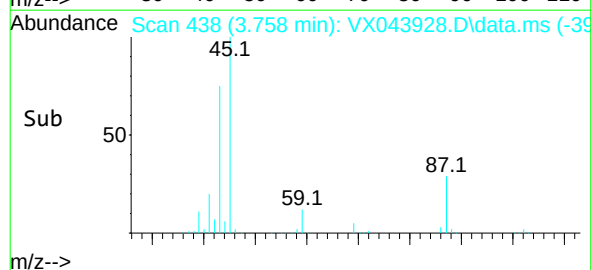
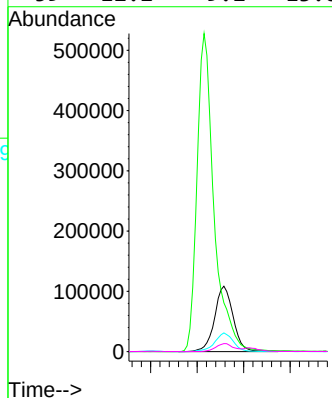
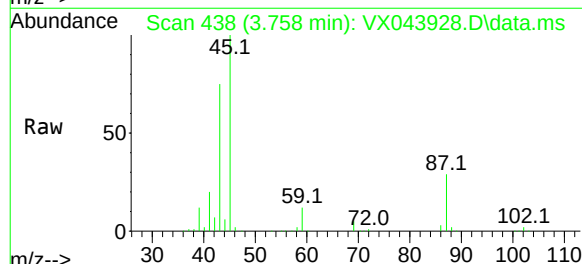
Ion Ratio Lower Upper

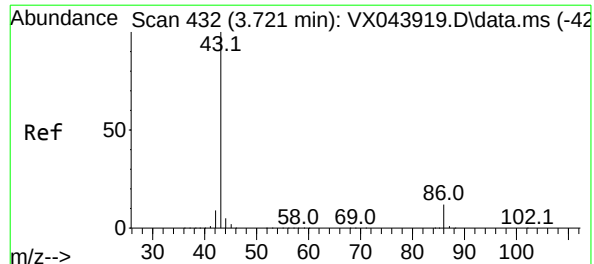
45 100

43 74.5 53.8 80.6

87 28.6 23.4 35.2

59 12.2 9.2 13.8





#23

Vinyl Acetate

Concen: 324.875 ug/l

RT: 3.715 min Scan# 43

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1344876

Ion Ratio Lower Upper

43 100

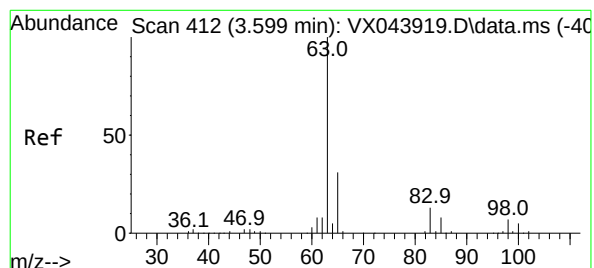
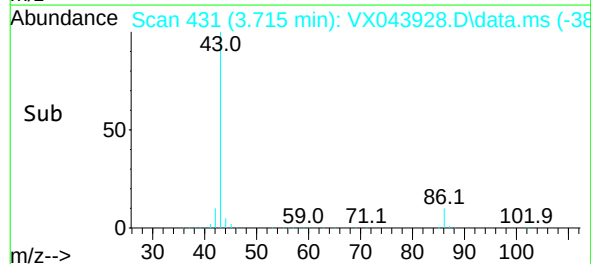
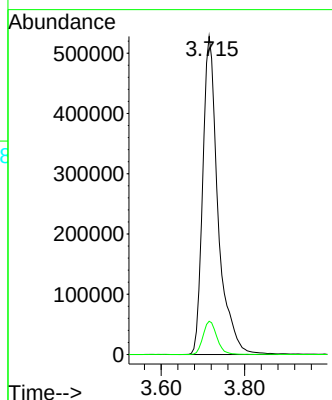
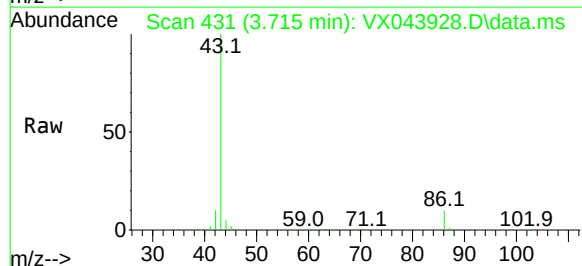
86 10.4 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 57.932 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

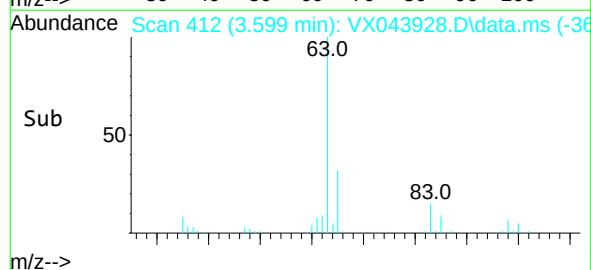
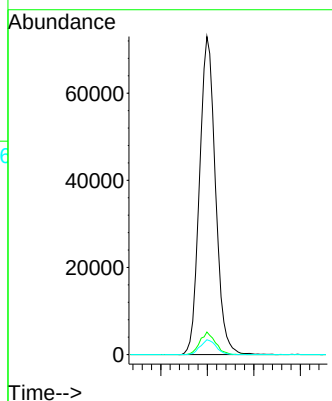
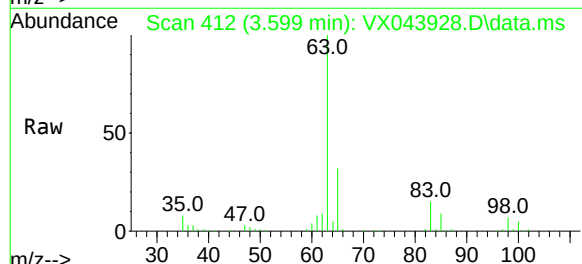
Tgt Ion: 63 Resp: 174008

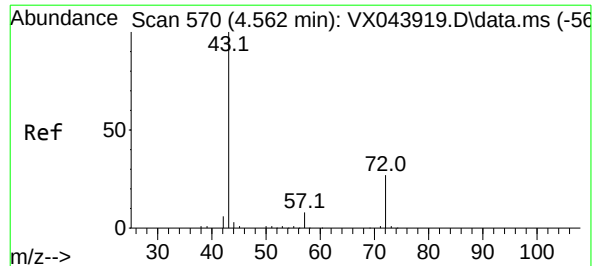
Ion Ratio Lower Upper

63 100

98 7.1 3.7 11.1

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 328.247 ug/l

RT: 4.556 min Scan# 56

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 392575

Ion Ratio Lower Upper

43 100

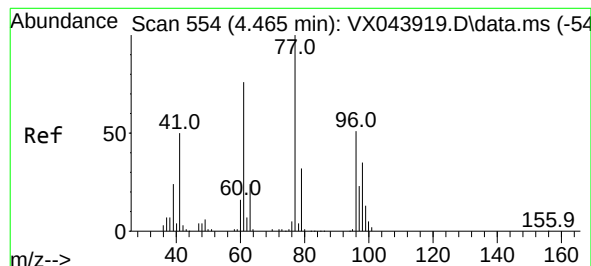
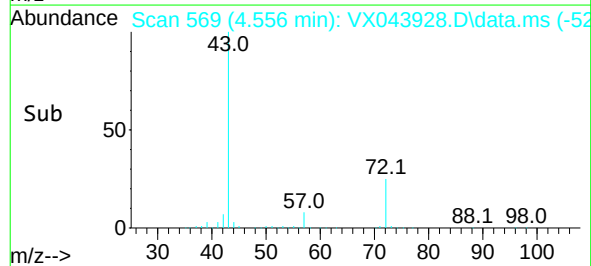
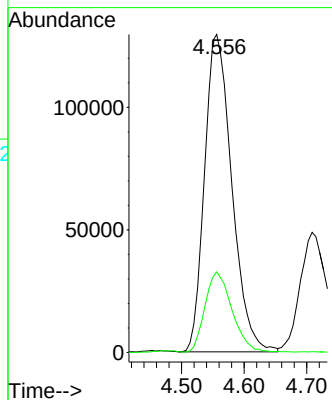
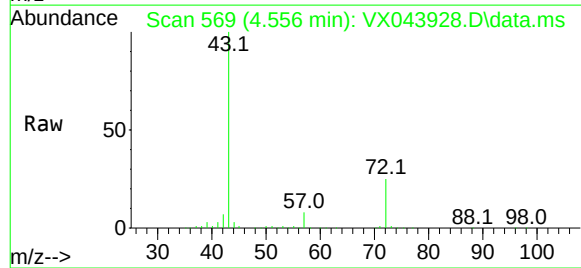
72 25.2 21.3 31.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 64.072 ug/l

RT: 4.465 min Scan# 554

Delta R.T. 0.000 min

Lab File: VX043928.D

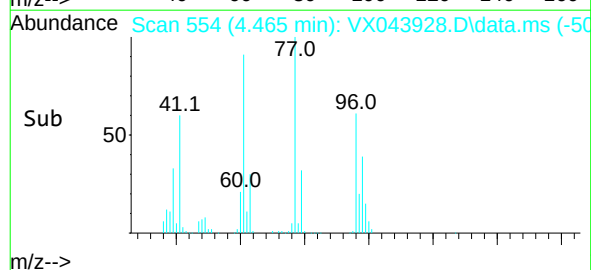
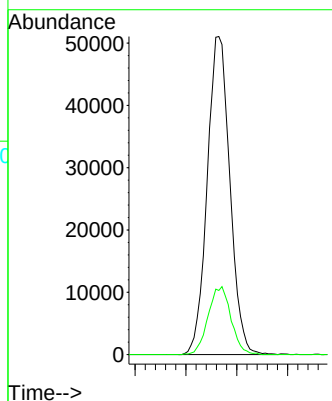
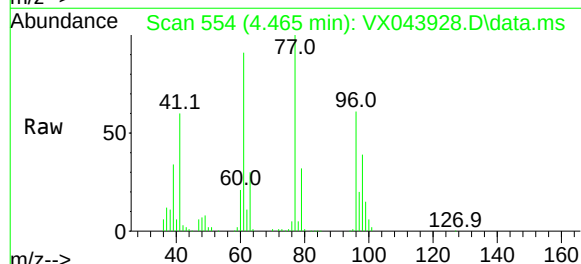
Acq: 21 Nov 2024 11:17

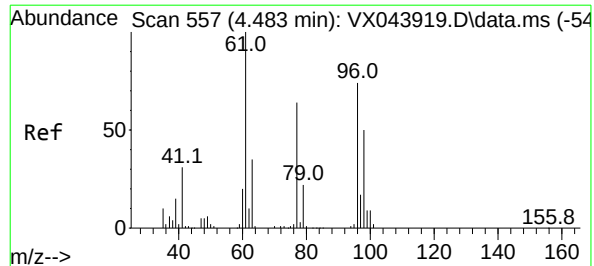
Tgt Ion: 77 Resp: 158151

Ion Ratio Lower Upper

77 100

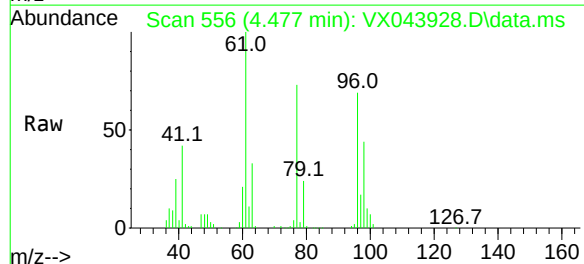
97 21.5 11.7 35.1





#27
cis-1,2-Dichloroethene
Concen: 56.100 ug/l
RT: 4.477 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

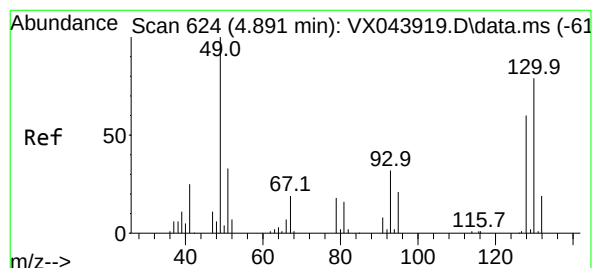
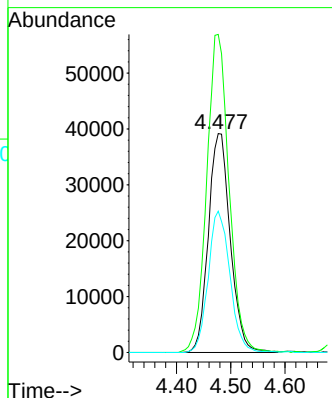
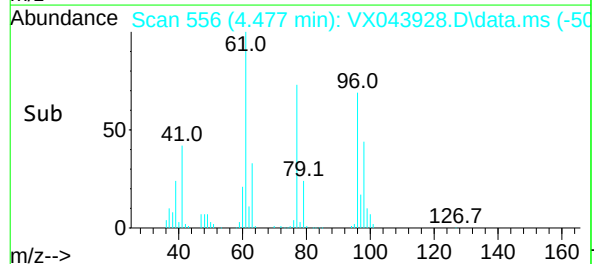
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 109742
Ion Ratio Lower Upper
96 100
61 148.7 0.0 279.4
98 63.9 0.0 131.6

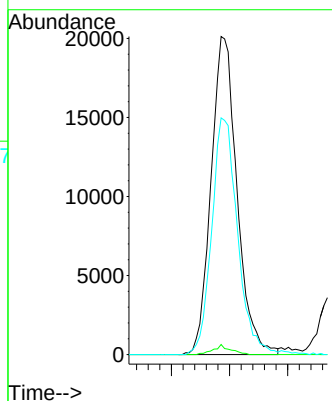
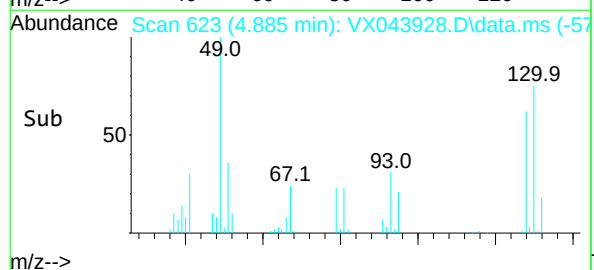
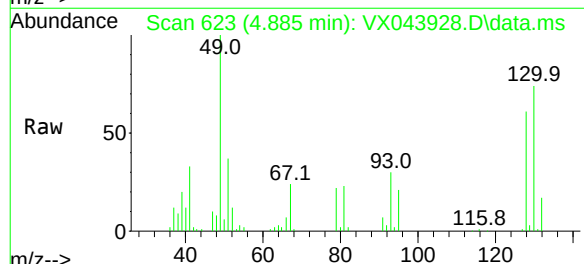
Manual Integrations
APPROVED

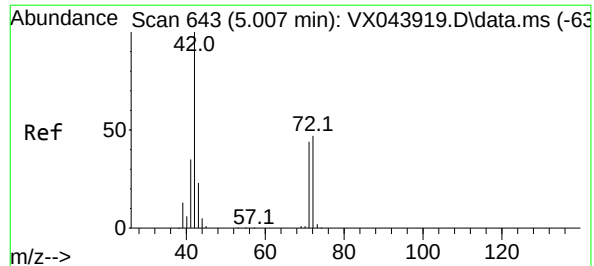
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#28
Bromochloromethane
Concen: 49.360 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 49 Resp: 62386
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.4
130 73.8 68.2 102.2





#29

Tetrahydrofuran

Concen: 303.060 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 234208

Ion Ratio Lower Upper

42 100

72 45.5 37.9 56.9

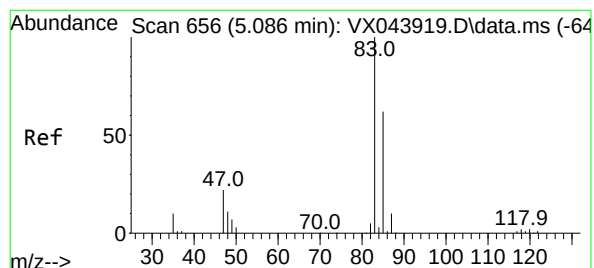
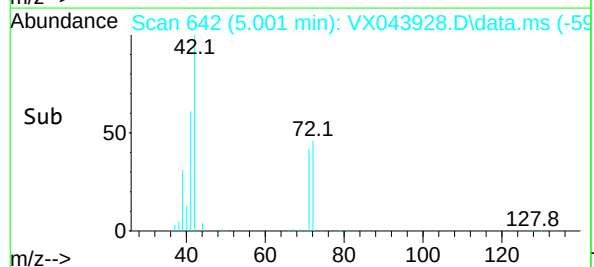
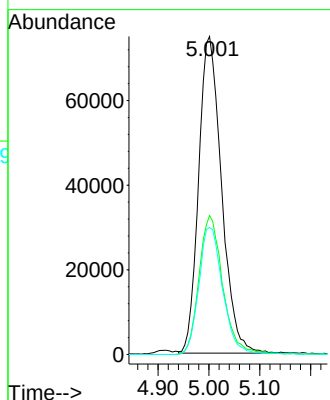
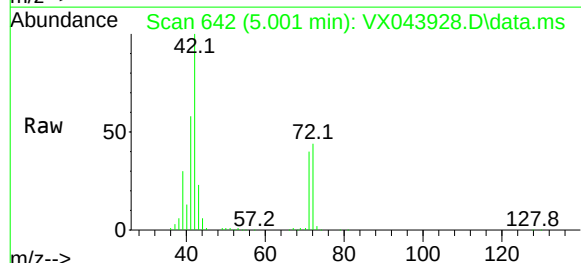
71 41.7 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 58.257 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX043928.D

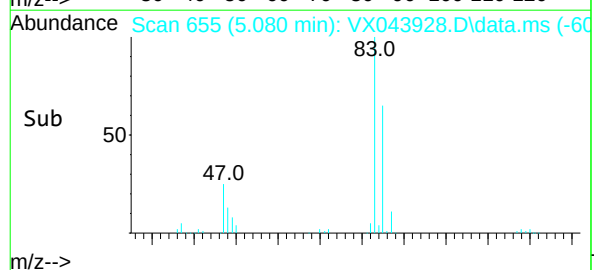
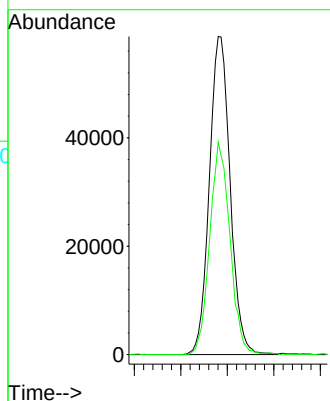
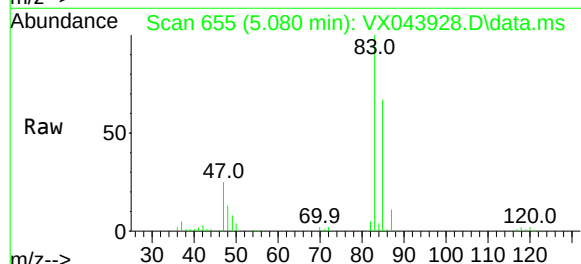
Acq: 21 Nov 2024 11:17

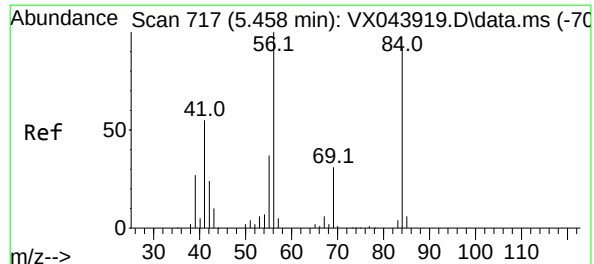
Tgt Ion: 83 Resp: 182404

Ion Ratio Lower Upper

83 100

85 66.9 49.7 74.5





#31

Cyclohexane

Concen: 59.242 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 144224

Ion Ratio Lower Upper

56 100

69 30.9 24.9 37.3

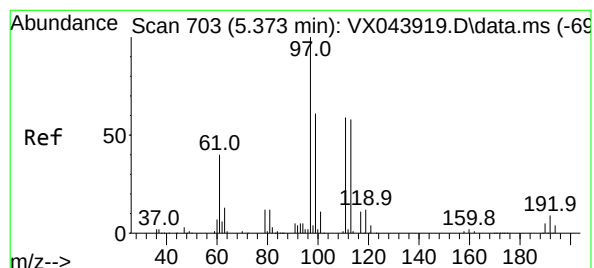
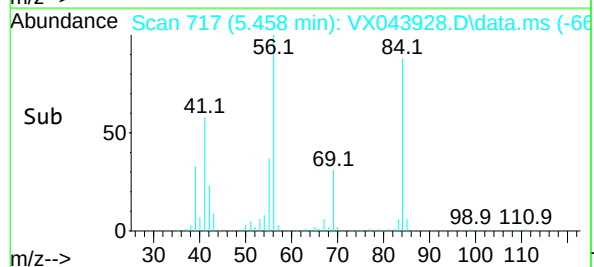
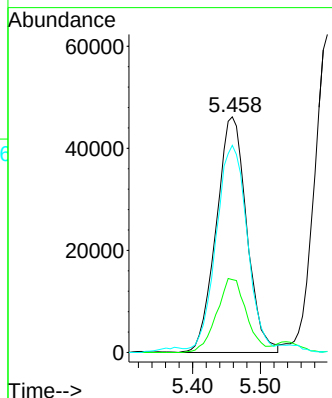
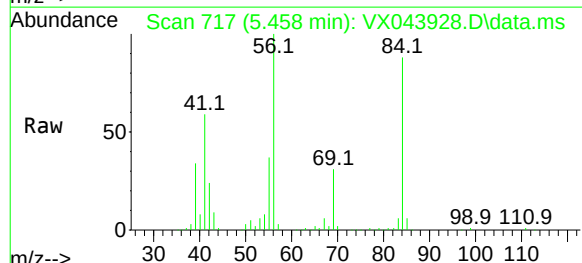
84 85.9 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 61.280 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

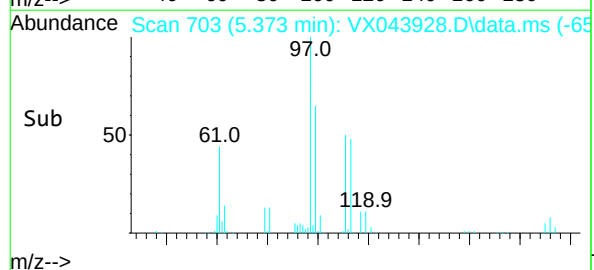
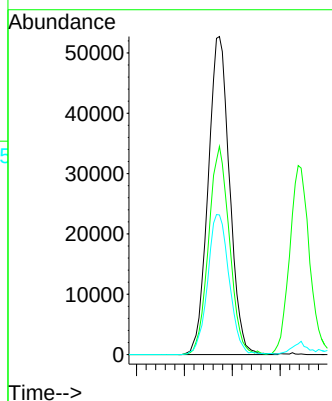
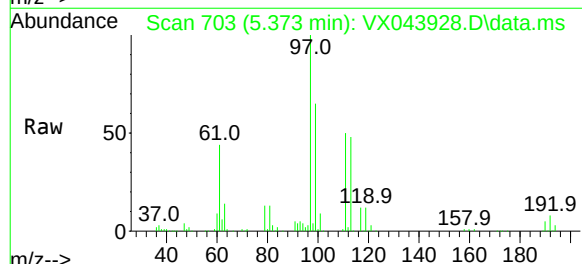
Tgt Ion: 97 Resp: 164023

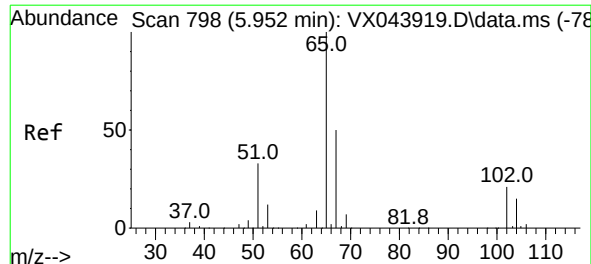
Ion Ratio Lower Upper

97 100

99 63.5 51.2 76.8

61 44.3 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 48.899 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 104086

Ion Ratio Lower Upper

65 100

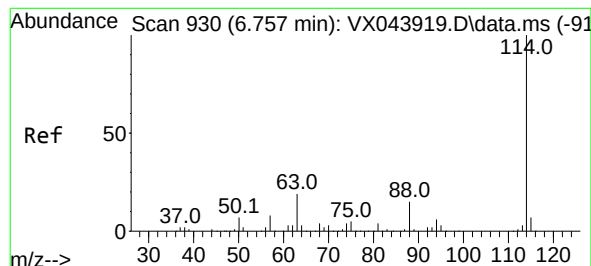
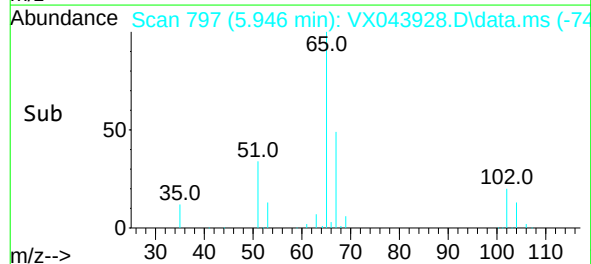
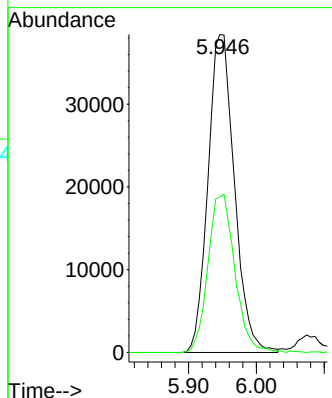
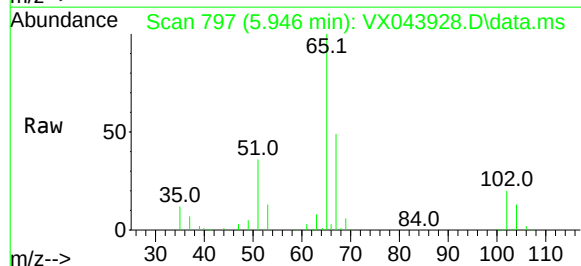
67 50.4 0.0 103.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

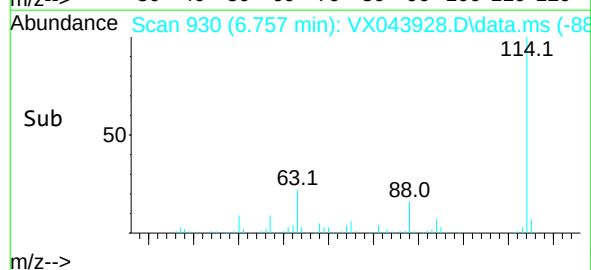
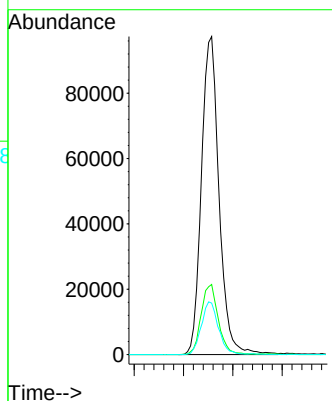
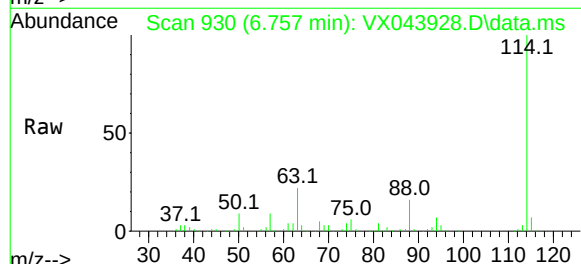
Tgt Ion:114 Resp: 241629

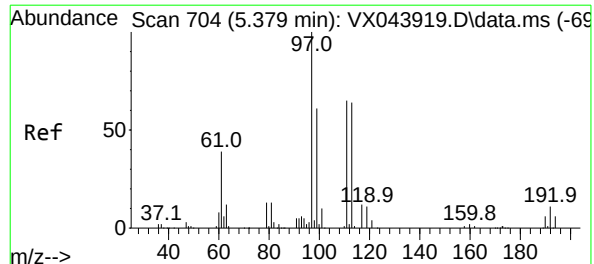
Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.0

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.663 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

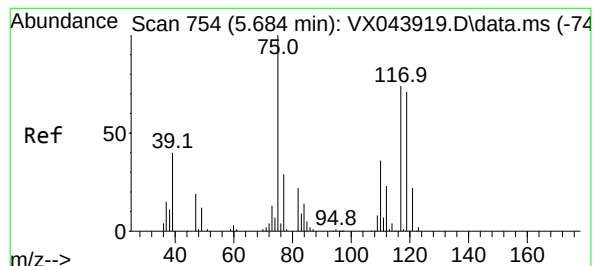
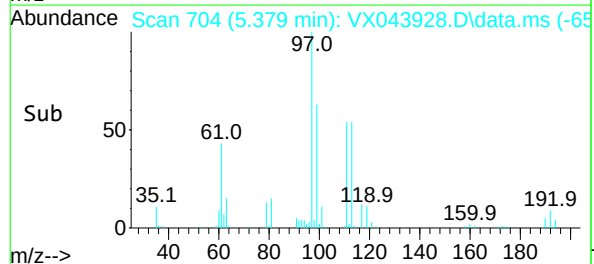
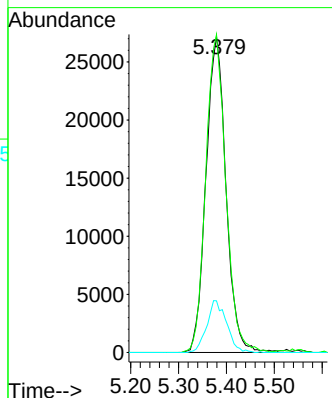
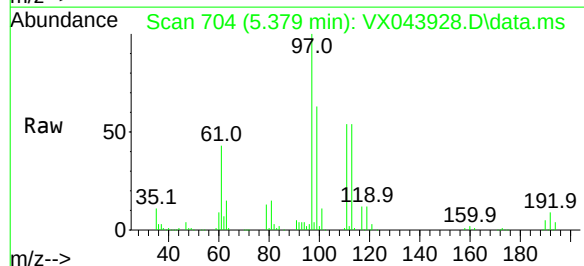
ClientSampleId :

VSTDICCC050

Tgt Ion:	113	Resp:	78954
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	16.3	14.2	21.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 58.983 ug/l

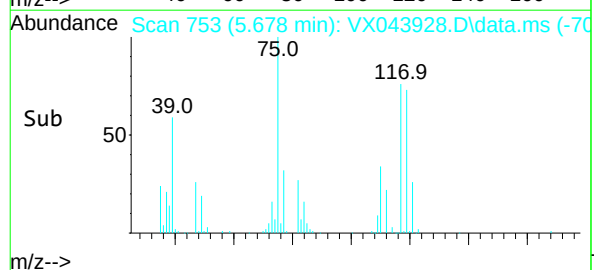
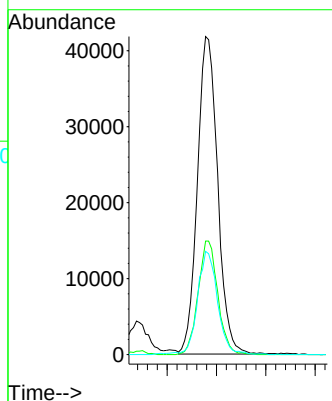
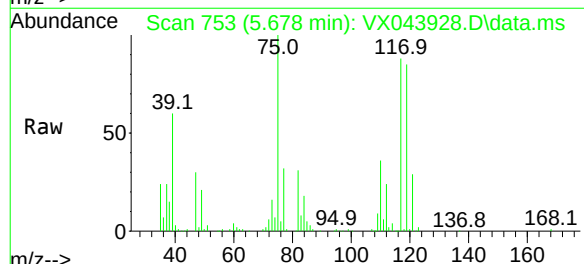
RT: 5.678 min Scan# 753

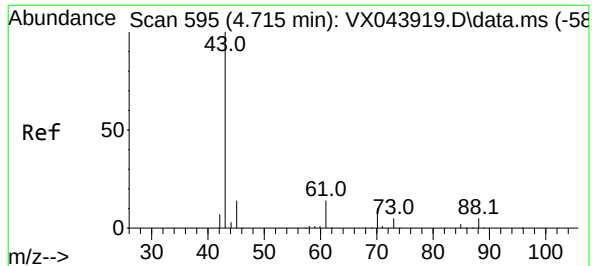
Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	75	Resp:	119269
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.5	52.5
77	32.3	24.9	37.3





#37

Ethyl Acetate

Concen: 64.767 ug/l

RT: 4.709 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 147393

Ion Ratio Lower Upper

43 100

61 13.4 11.5 17.3

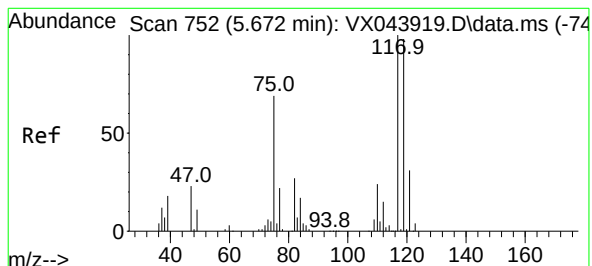
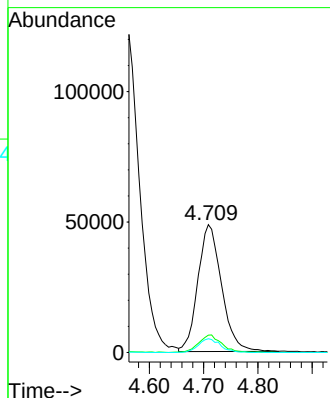
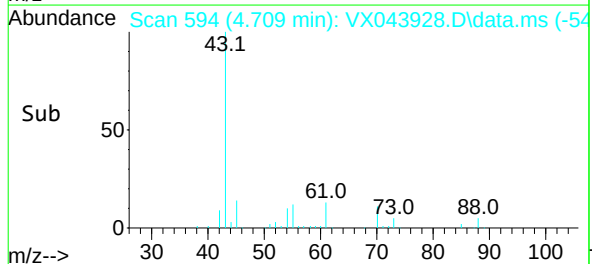
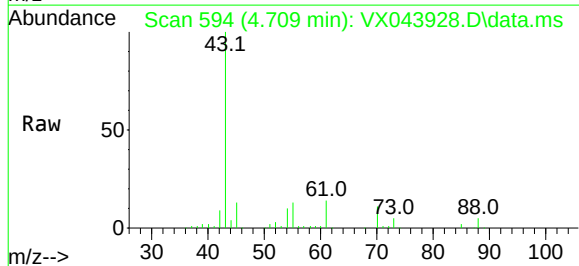
70 10.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 62.932 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

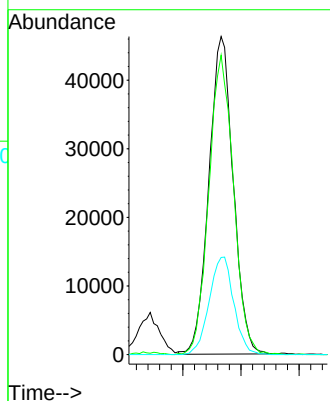
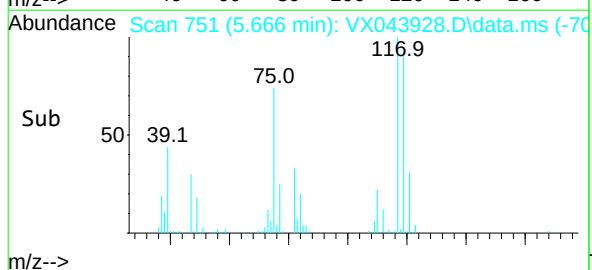
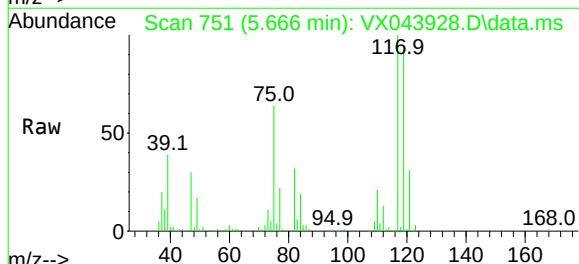
Tgt Ion:117 Resp: 134725

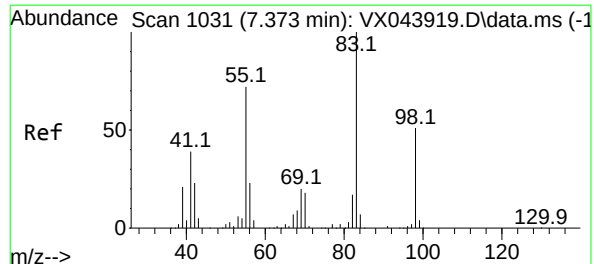
Ion Ratio Lower Upper

117 100

119 94.0 78.3 117.5

121 30.6 25.1 37.7





#39

Methylcyclohexane

Concen: 62.647 ug/l

RT: 7.373 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 158586

Ion Ratio Lower Upper

83 100

55 78.9 57.9 86.9

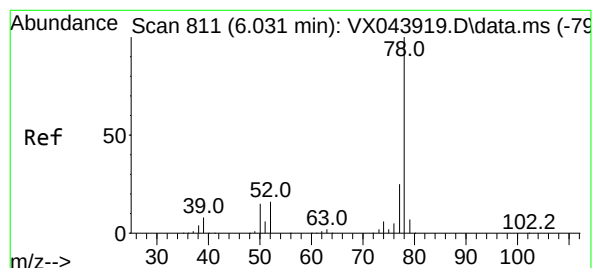
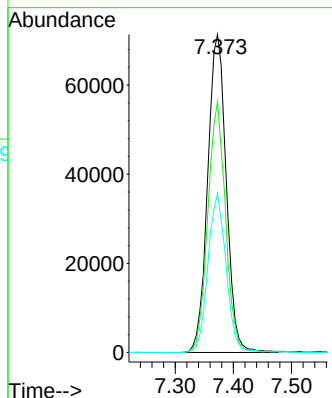
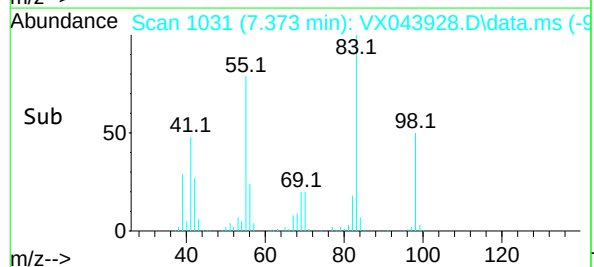
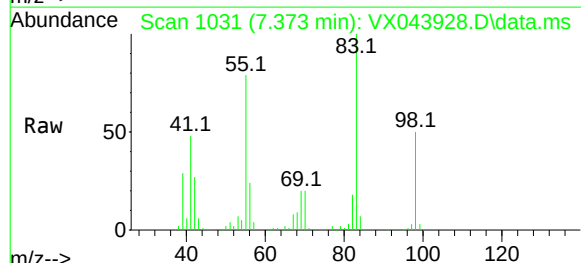
98 50.0 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 56.780 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX043928.D

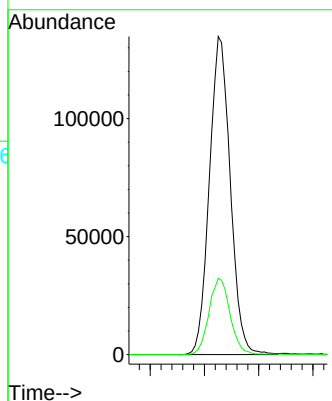
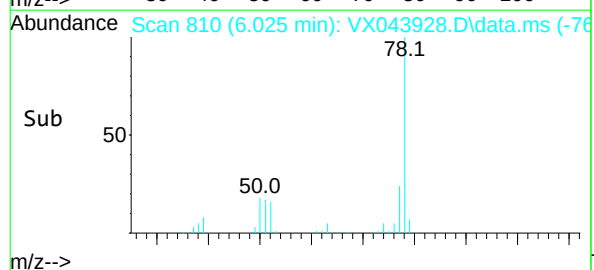
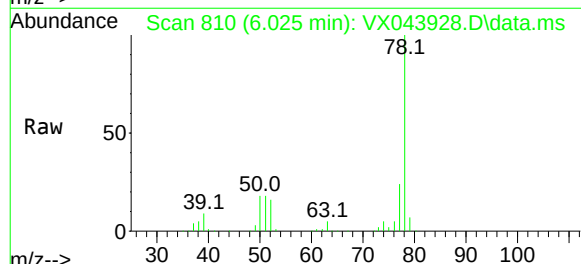
Acq: 21 Nov 2024 11:17

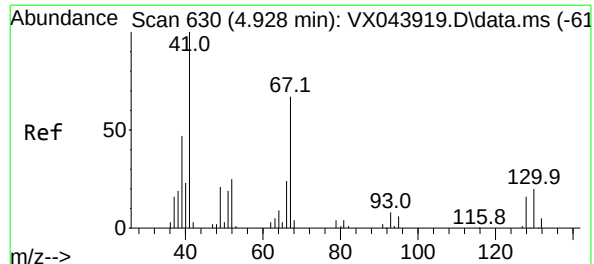
Tgt Ion: 78 Resp: 360978

Ion Ratio Lower Upper

78 100

77 24.0 19.8 29.8





#41

Methacrylonitrile

Concen: 67.041 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.012 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 79507

Ion Ratio Lower Upper

41 100

39 52.1 41.2 61.8

67 69.8 60.3 90.5

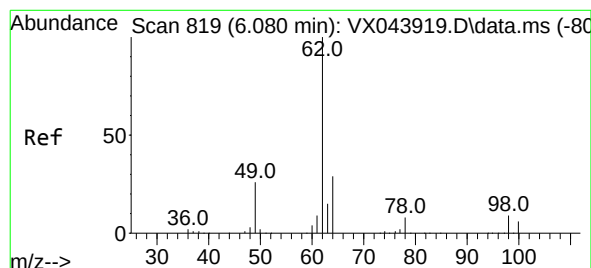
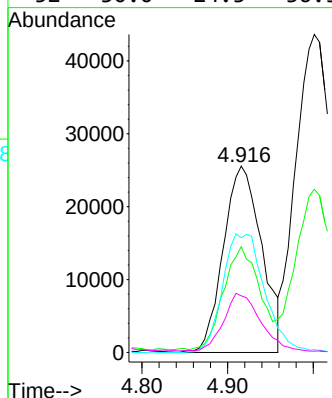
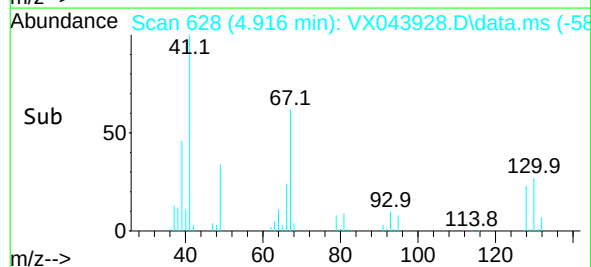
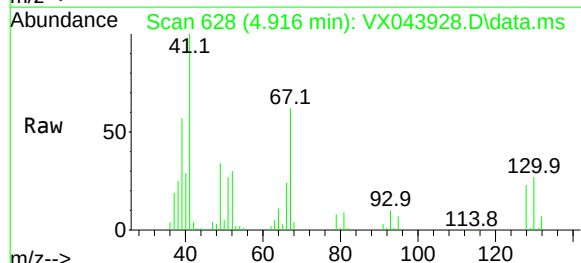
52 30.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 63.109 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX043928.D

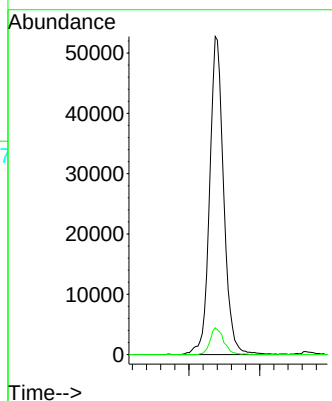
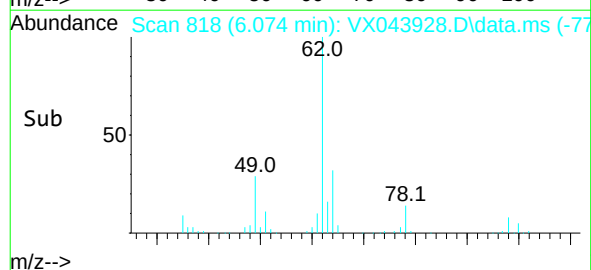
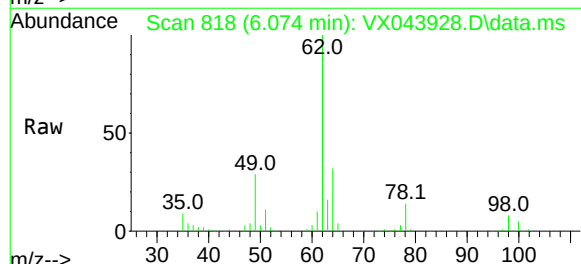
Acq: 21 Nov 2024 11:17

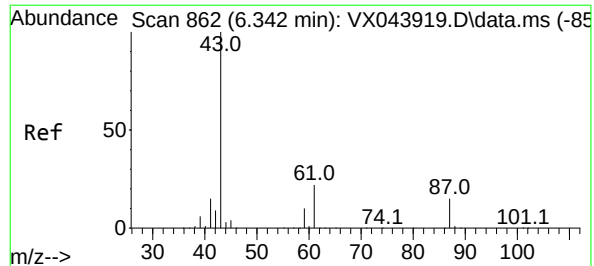
Tgt Ion: 62 Resp: 145681

Ion Ratio Lower Upper

62 100

98 8.2 0.0 18.6





#43

Isopropyl Acetate

Concen: 65.697 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

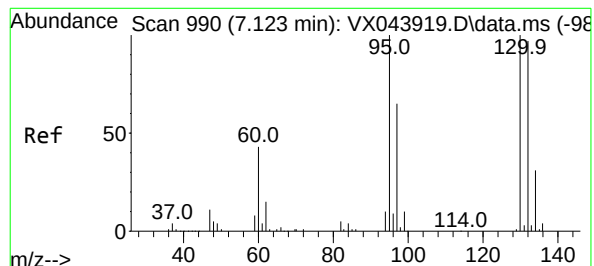
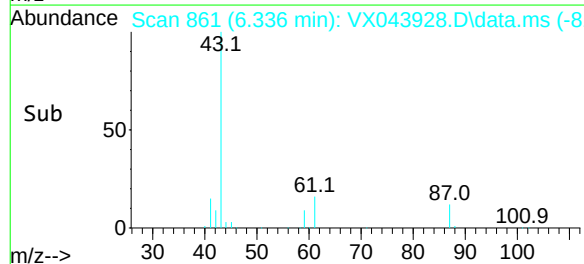
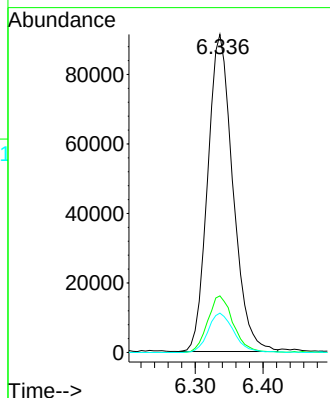
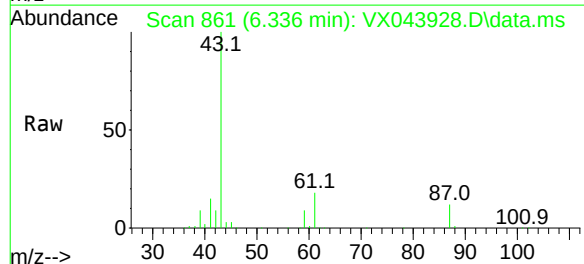
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	235856
Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.9	25.3
87	12.7	11.9	17.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 51.360 ug/l

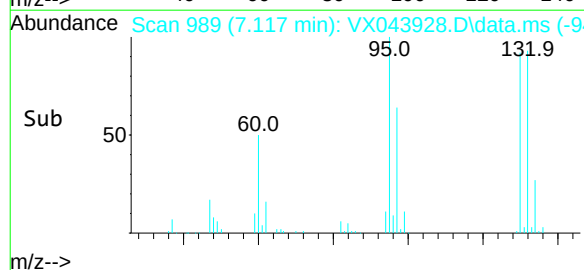
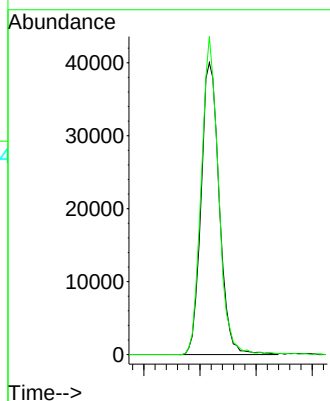
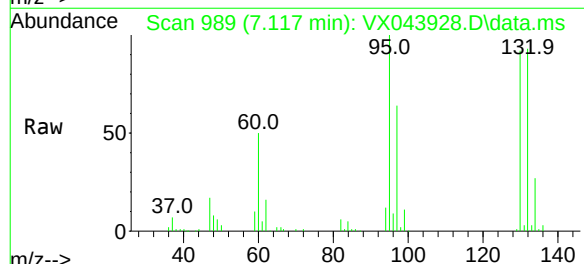
RT: 7.117 min Scan# 989

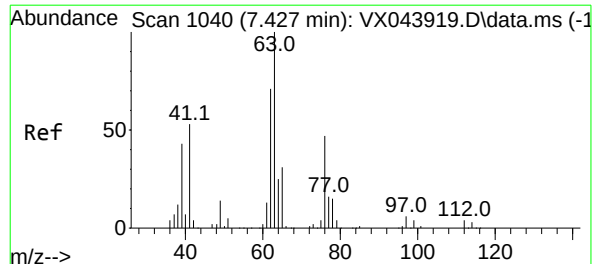
Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	130	Resp:	90015
Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	200.8





#45

1,2-Dichloropropane

Concen: 57.459 ug/l

RT: 7.422 min Scan# 10

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 89529

Ion Ratio Lower Upper

63 100

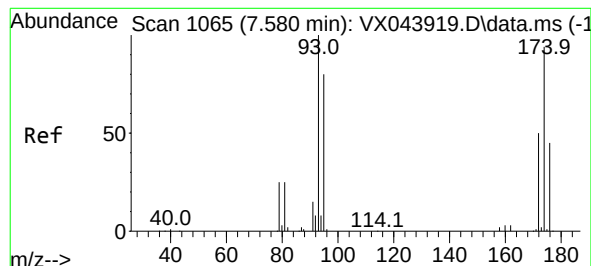
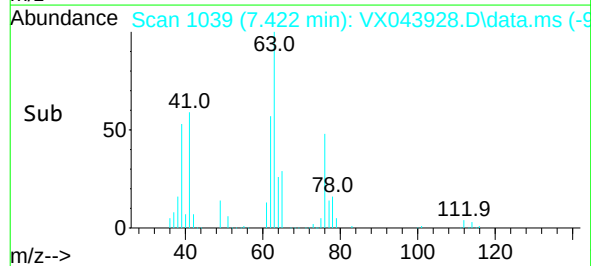
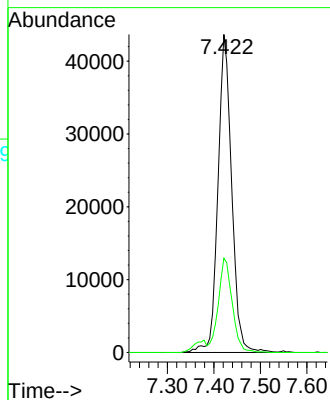
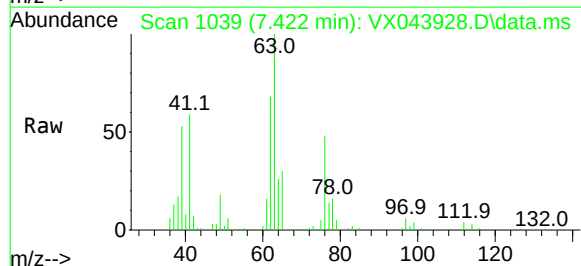
65 29.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 60.196 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

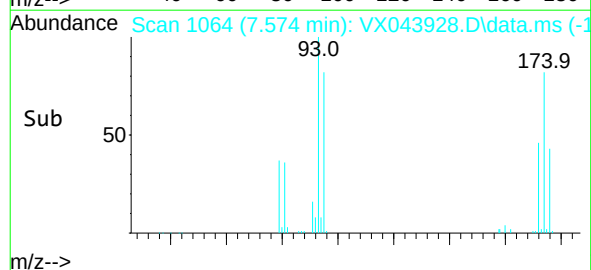
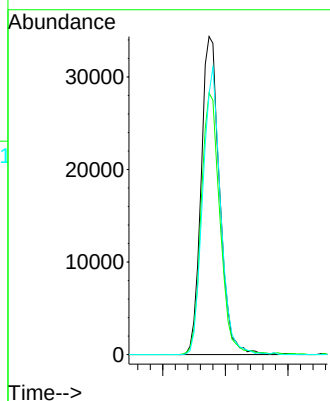
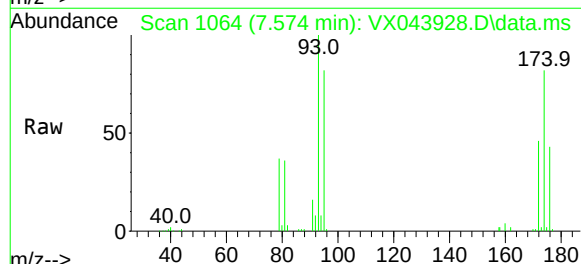
Tgt Ion: 93 Resp: 70679

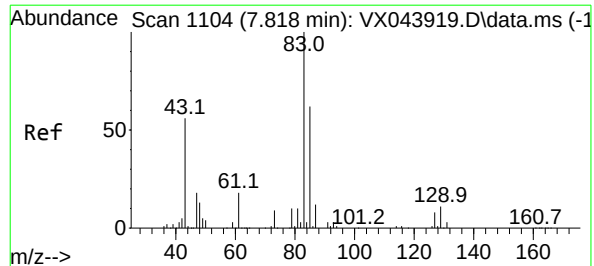
Ion Ratio Lower Upper

93 100

95 82.8 66.1 99.1

174 87.0 75.2 112.8





#47

Bromodichloromethane

Concen: 63.678 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

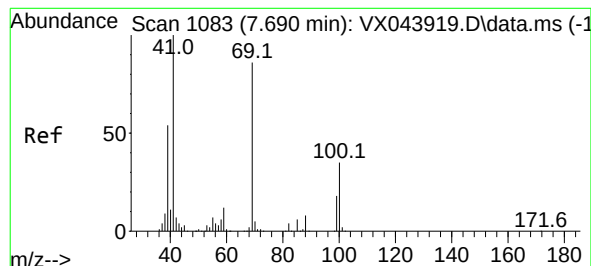
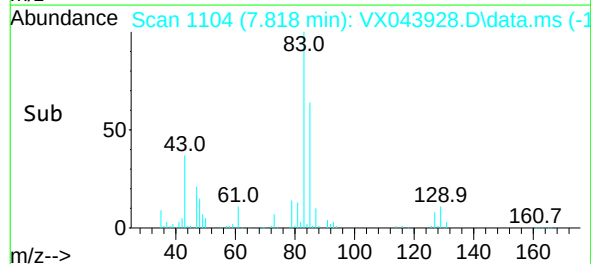
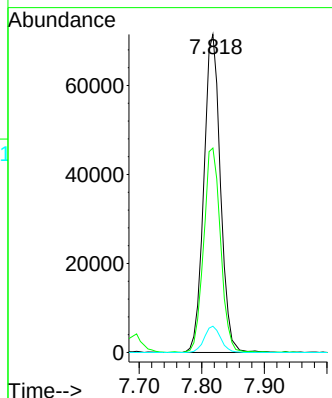
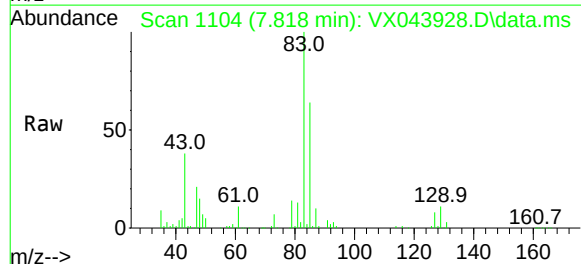
VSTDICCC050

Tgt Ion:	83	Resp:	131365
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.0
127	8.3	6.2	9.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 63.393 ug/l

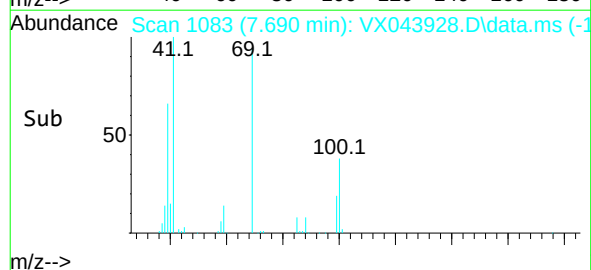
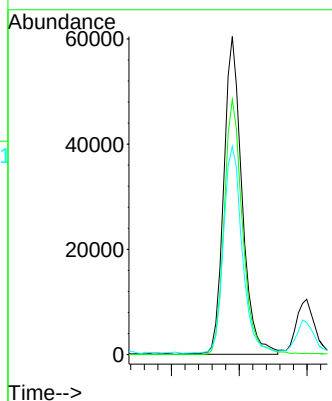
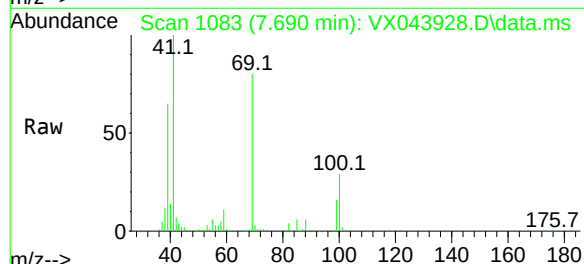
RT: 7.690 min Scan# 1083

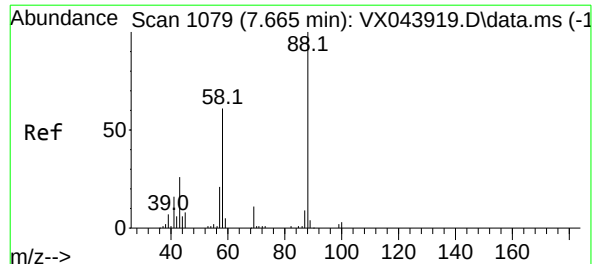
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	41	Resp:	112803
Ion	Ratio	Lower	Upper
41	100		
69	80.8	72.1	108.1
39	66.6	43.8	65.8





#49

1,4-Dioxane

Concen: 881.301 ug/l

RT: 7.659 min Scan# 1079

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 33402

Ion Ratio Lower Upper

88 100

43 39.5 17.4 26.0

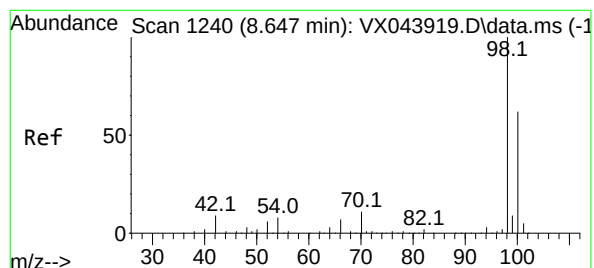
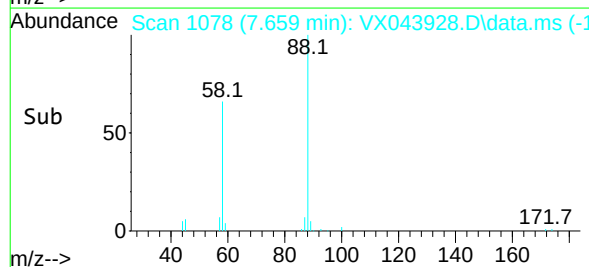
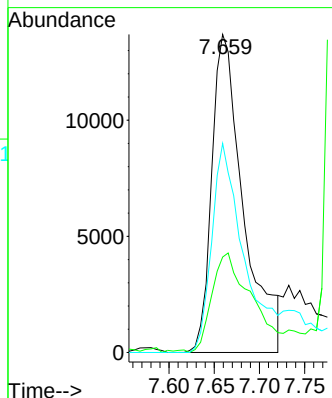
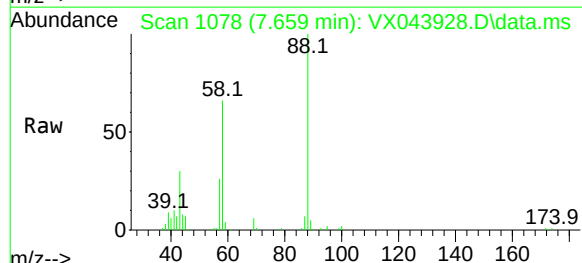
58 66.8 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 49.194 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX043928.D

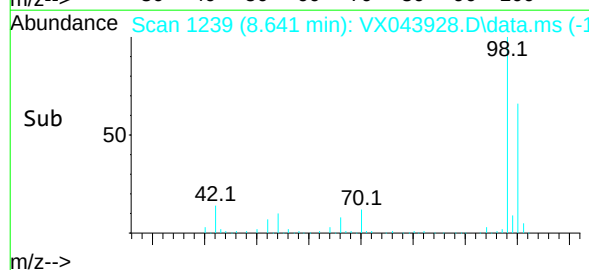
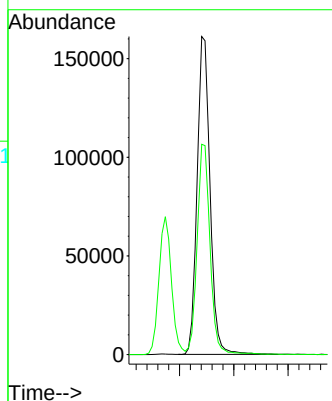
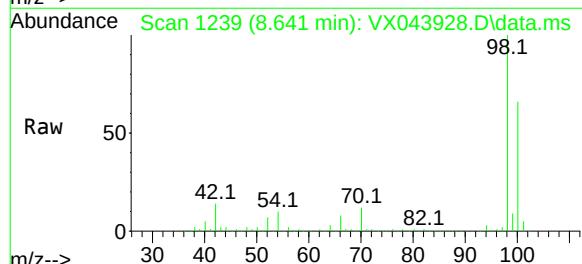
Acq: 21 Nov 2024 11:17

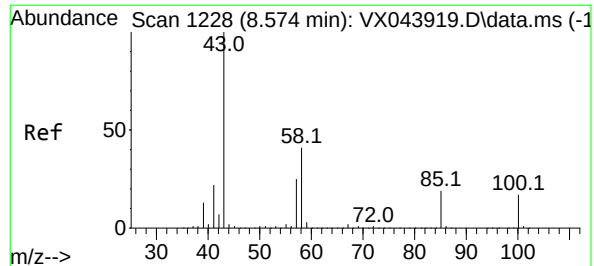
Tgt Ion: 98 Resp: 266650

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 327.265 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 732582

Ion Ratio Lower Upper

43 100

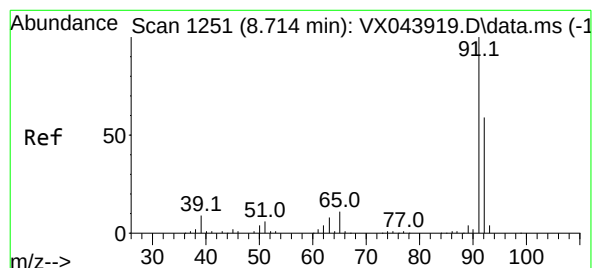
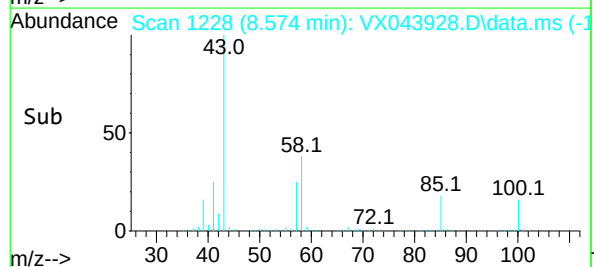
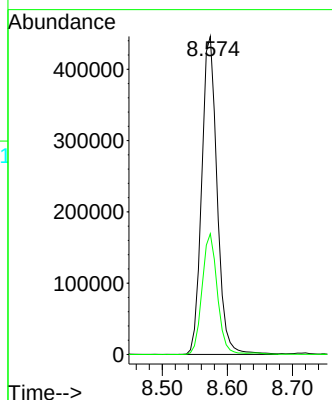
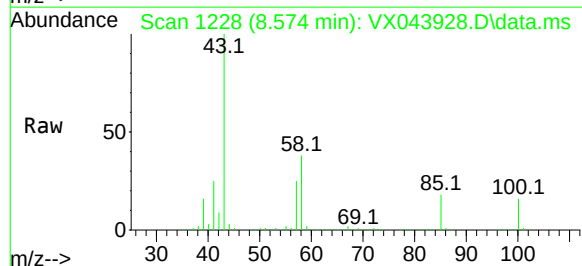
58 37.5 32.4 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 60.664 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043928.D

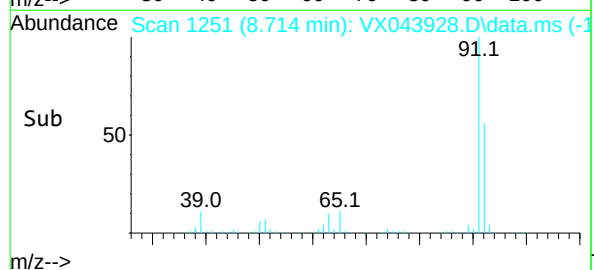
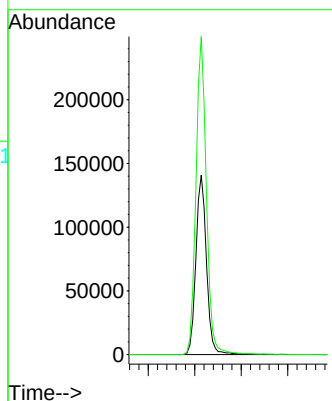
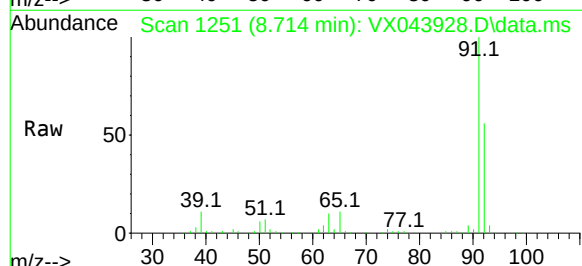
Acq: 21 Nov 2024 11:17

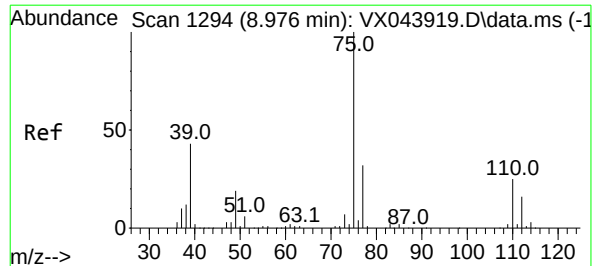
Tgt Ion: 92 Resp: 222500

Ion Ratio Lower Upper

92 100

91 174.6 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 65.667 ug/l

RT: 8.976 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 137451

Ion Ratio Lower Upper

75 100

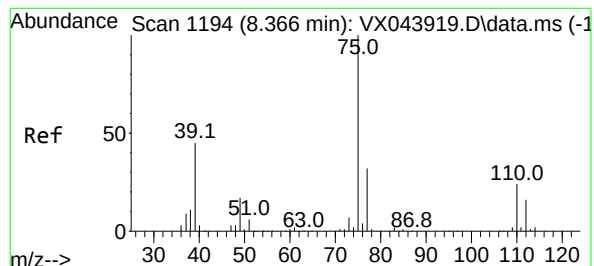
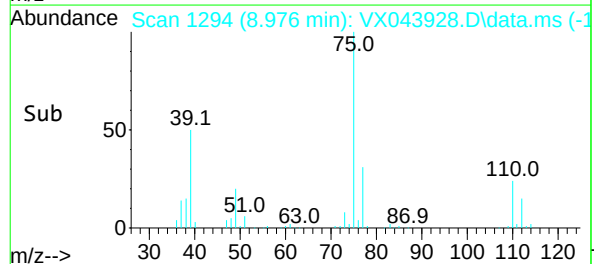
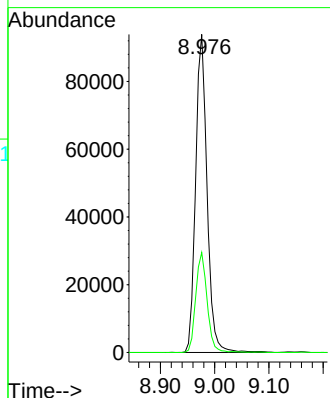
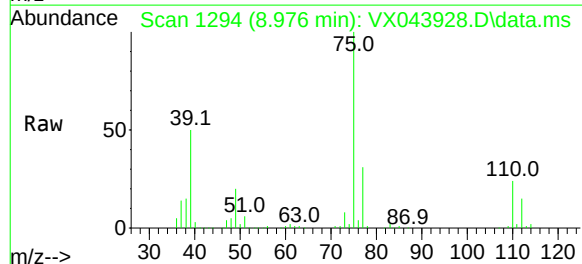
77 31.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 62.243 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

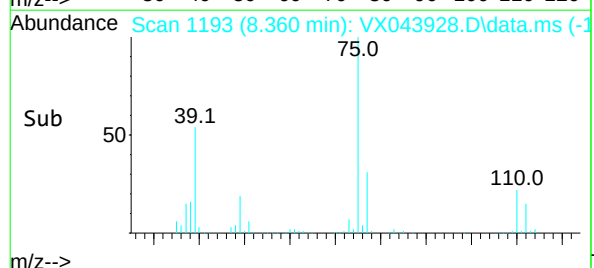
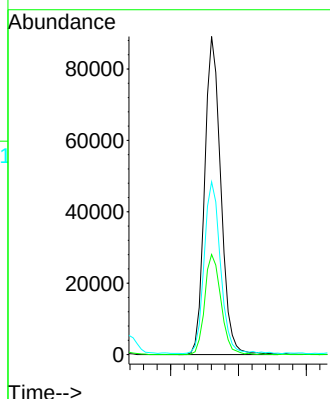
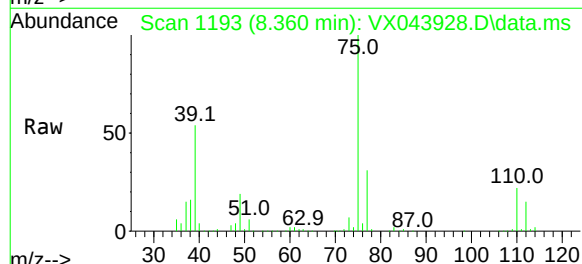
Tgt Ion: 75 Resp: 147638

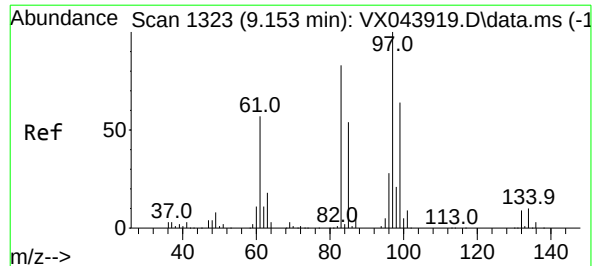
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

39 53.9 36.1 54.1





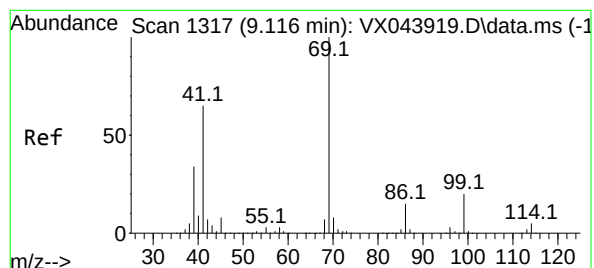
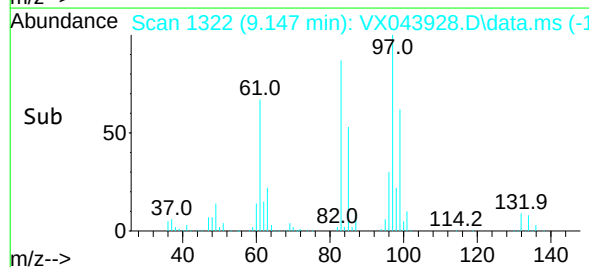
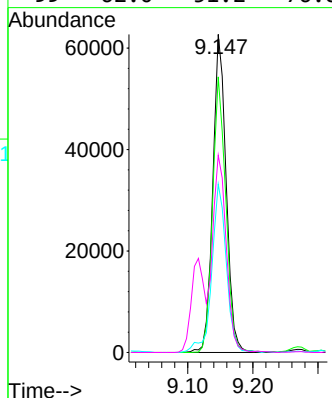
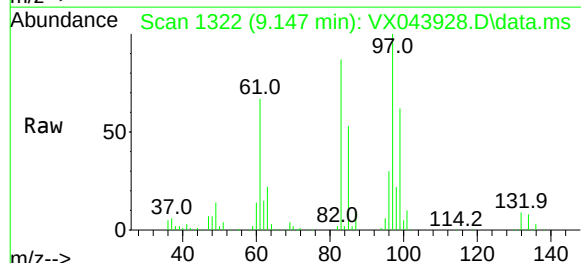
#55
1,1,2-Trichloroethane
Concen: 62.501 ug/l
RT: 9.147 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:	97	Resp:	89441
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.5	99.7
85	52.9	43.4	65.2
99	62.0	51.2	76.8

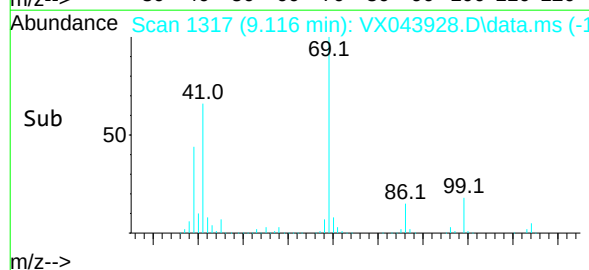
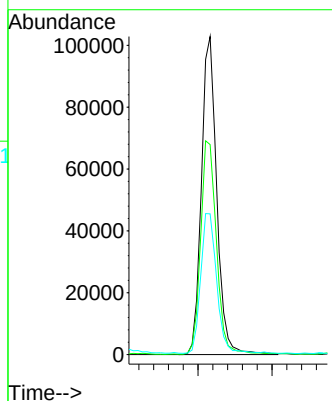
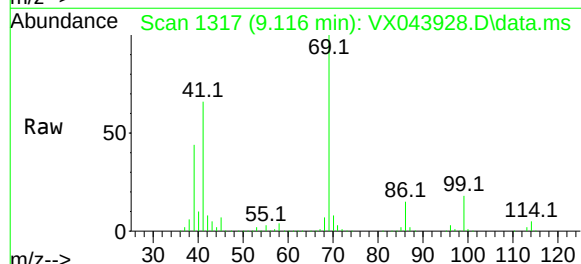
Manual Integrations
APPROVED

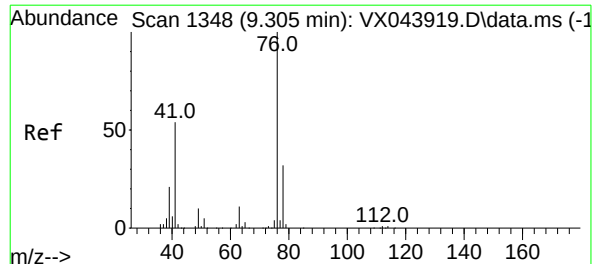
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#56
Ethyl methacrylate
Concen: 65.443 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:	69	Resp:	148281
Ion	Ratio	Lower	Upper
69	100		
41	69.8	51.7	77.5
39	45.9	26.8	40.2





#57

1,3-Dichloropropane

Concen: 63.034 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 151124

Ion Ratio Lower Upper

76 100

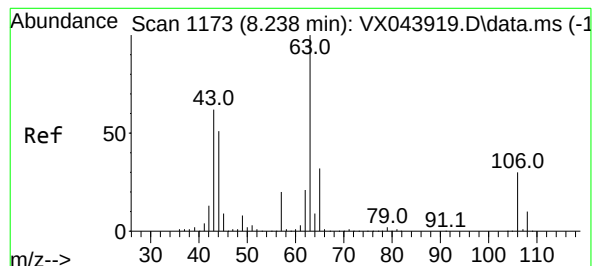
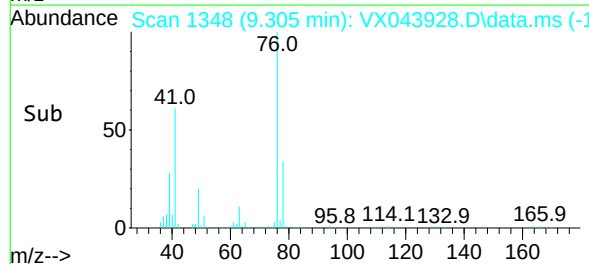
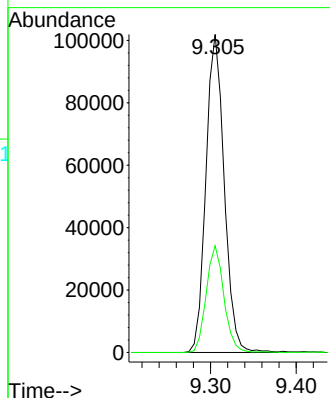
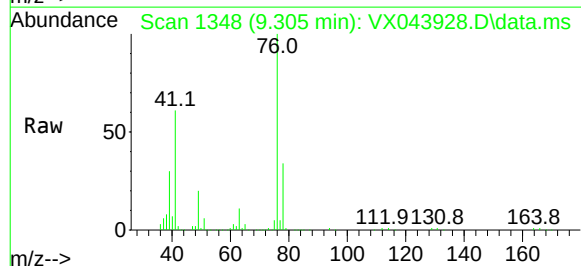
78 32.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 312.467 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043928.D

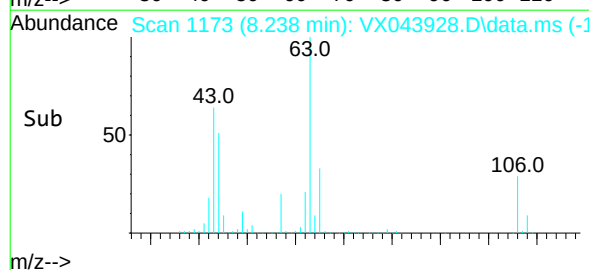
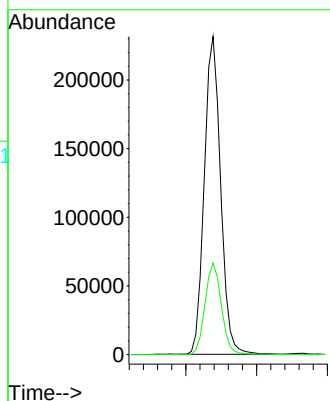
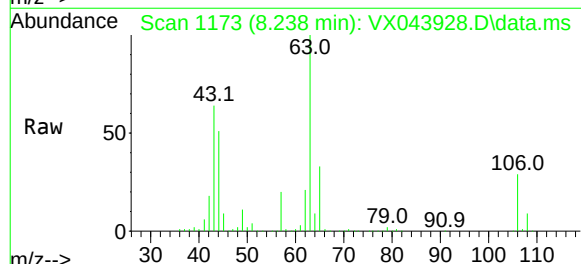
Acq: 21 Nov 2024 11:17

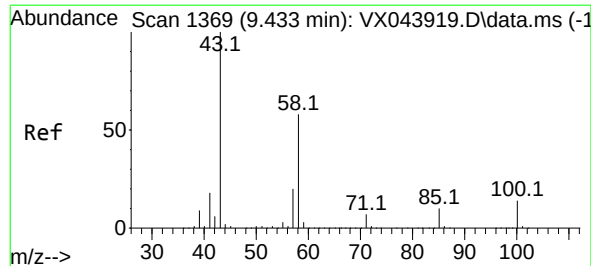
Tgt Ion: 63 Resp: 371281

Ion Ratio Lower Upper

63 100

106 28.8 23.8 35.6





#59

2-Hexanone

Concen: 359.925 ug/l

RT: 9.427 min Scan# 1369

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 568460

Ion Ratio Lower Upper

43 100

58 51.7 28.3 84.9

Instrument :

MSVOA_X

ClientSampleId :

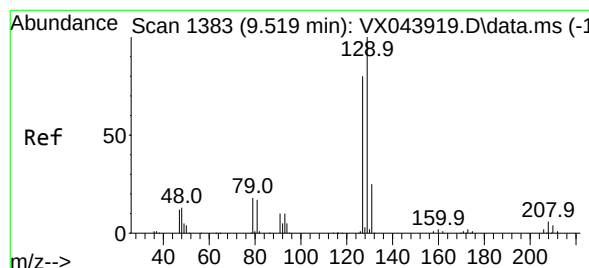
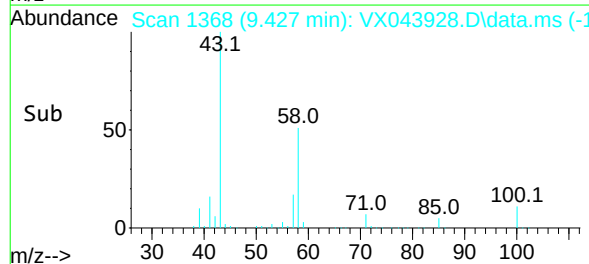
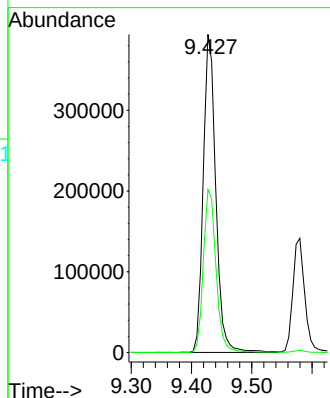
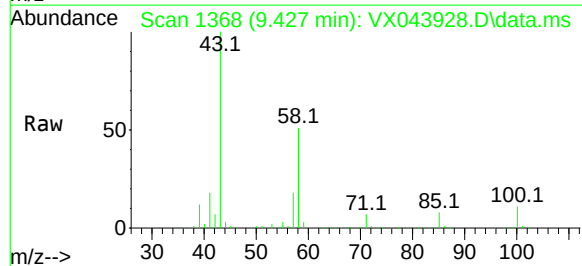
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 68.588 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043928.D

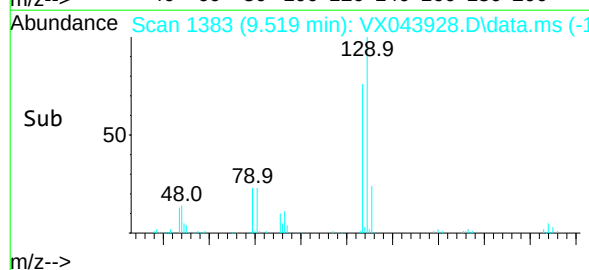
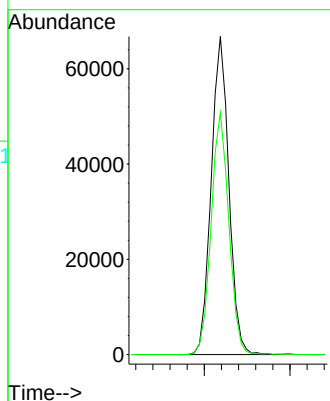
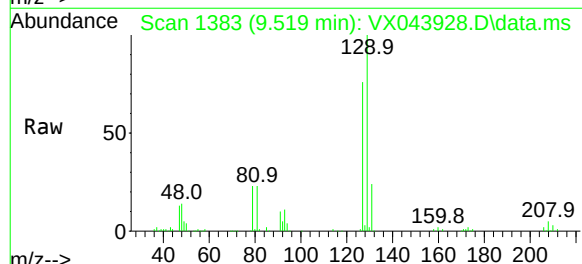
Acq: 21 Nov 2024 11:17

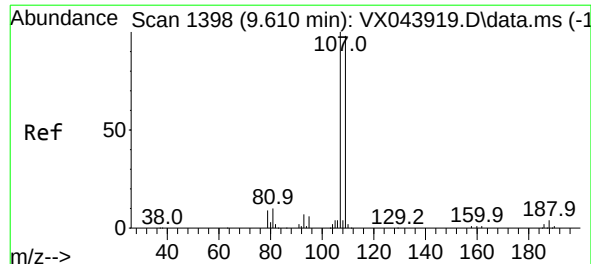
Tgt Ion:129 Resp: 95641

Ion Ratio Lower Upper

129 100

127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 62.263 ug/l

RT: 9.604 min Scan# 1398

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:107 Resp: 92940

Ion Ratio Lower Upper

107 100

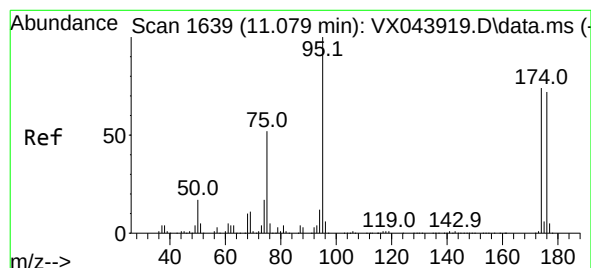
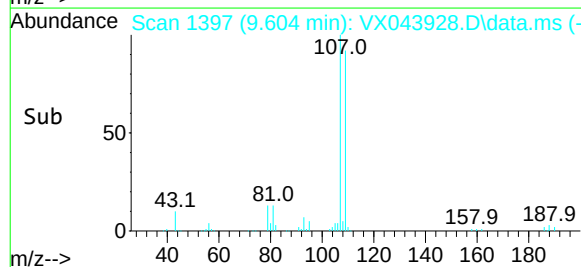
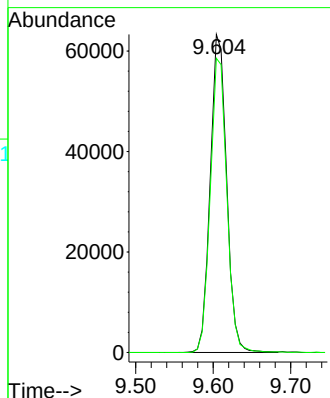
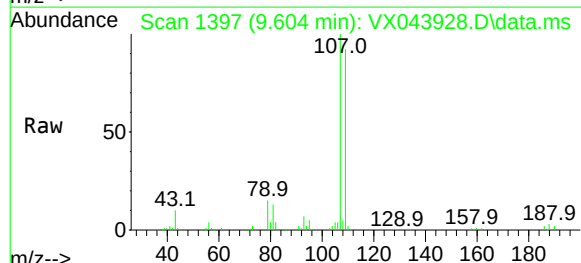
109 94.0 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 52.209 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

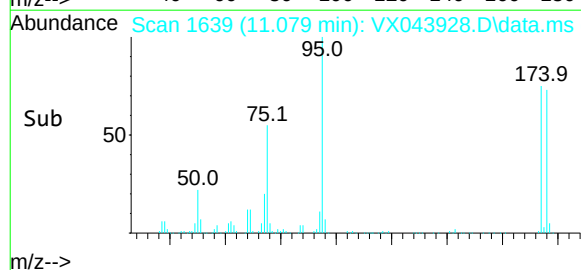
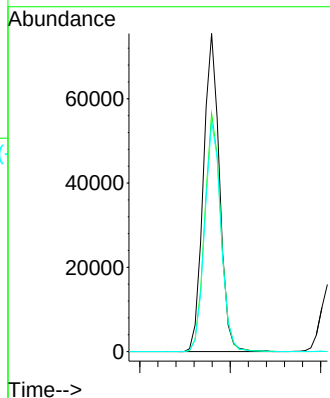
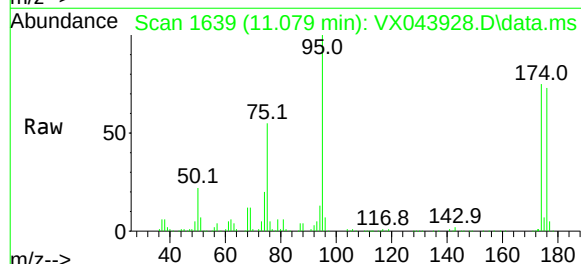
Tgt Ion: 95 Resp: 93510

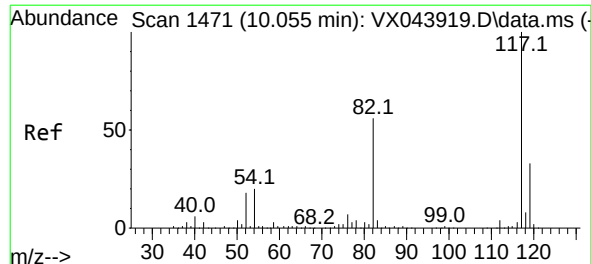
Ion Ratio Lower Upper

95 100

174 75.2 0.0 152.2

176 73.0 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 212243

Ion Ratio Lower Upper

117 100

82 58.0 44.6 67.0

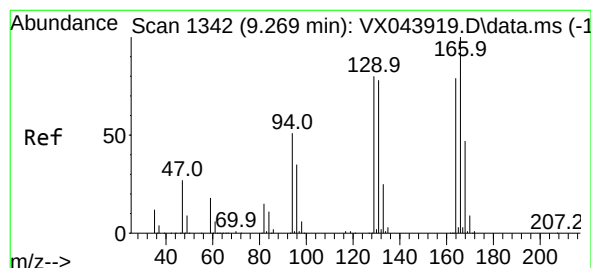
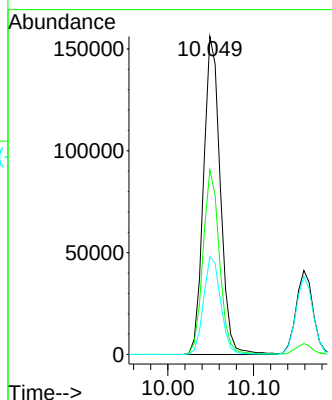
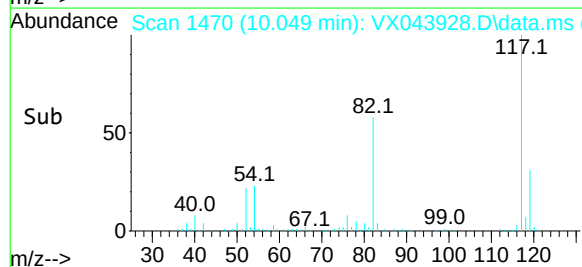
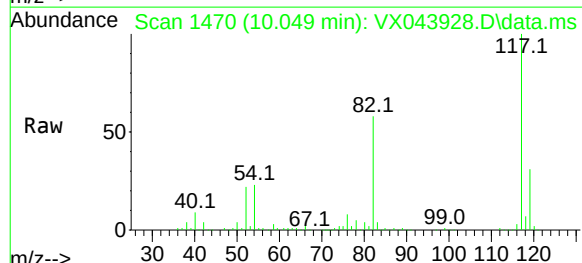
119 30.8 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 54.472 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

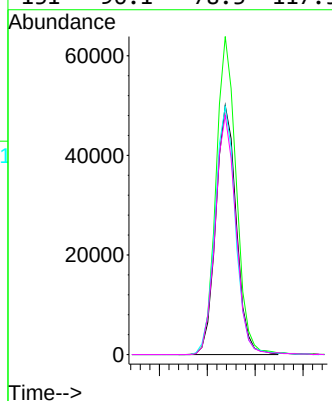
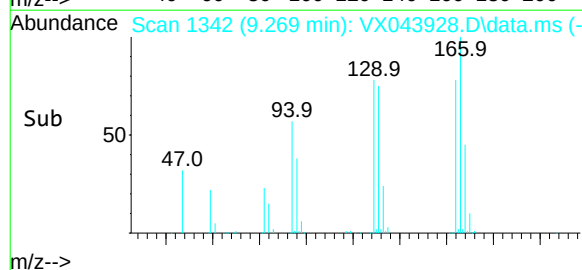
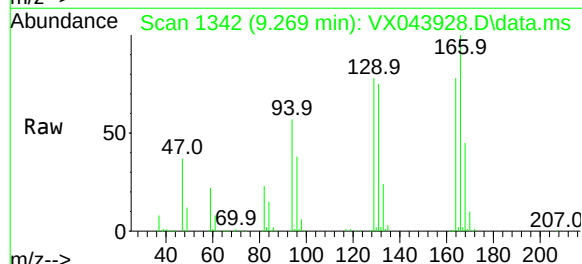
Ion Ratio Lower Upper

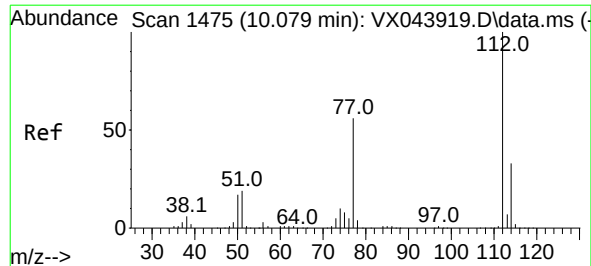
164 100

166 127.6 100.9 151.3

129 99.5 80.3 120.5

131 96.1 78.3 117.5





#65

Chlorobenzene

Concen: 54.828 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 243080

Ion Ratio Lower Upper

112 100

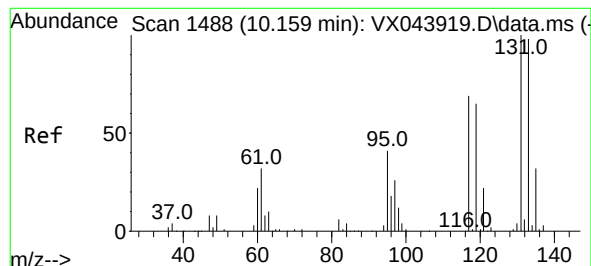
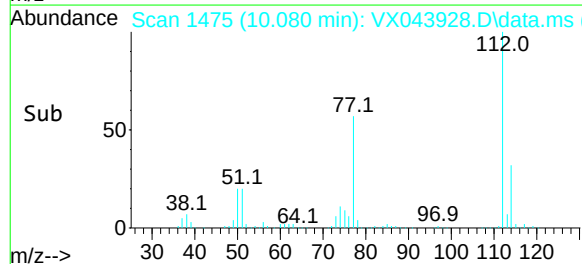
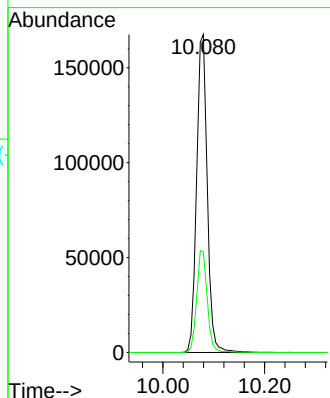
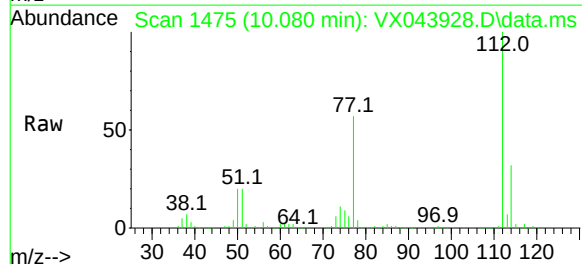
114 31.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 56.885 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

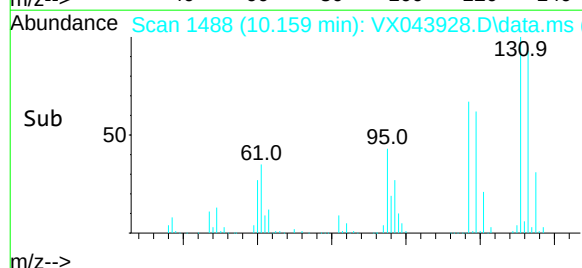
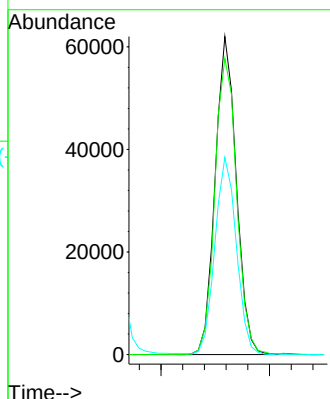
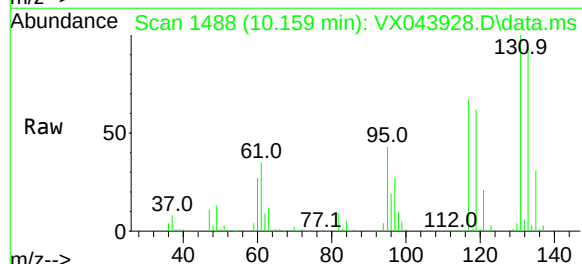
Tgt Ion:131 Resp: 83934

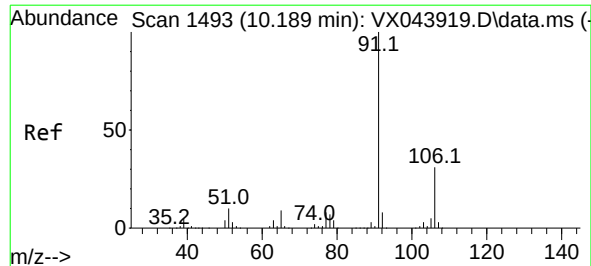
Ion Ratio Lower Upper

131 100

133 96.4 48.8 146.3

119 63.0 32.9 98.7





#67

Ethyl Benzene

Concen: 57.573 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 429559

Ion Ratio Lower Upper

91 100

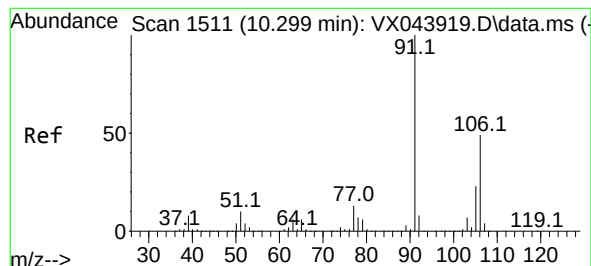
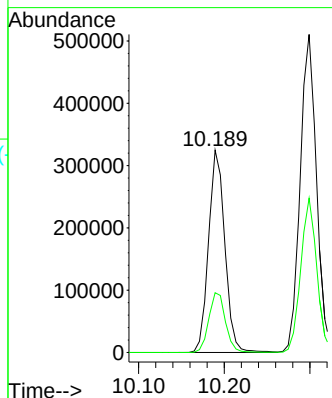
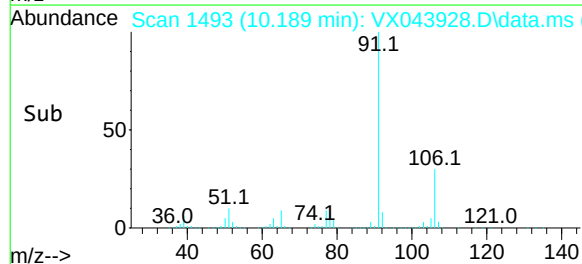
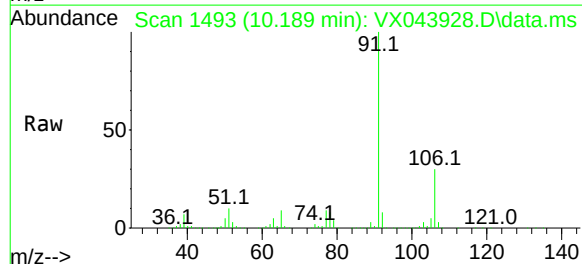
106 29.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 116.466 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043928.D

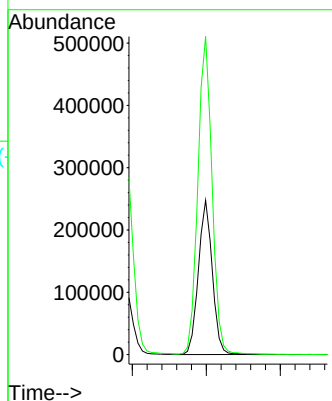
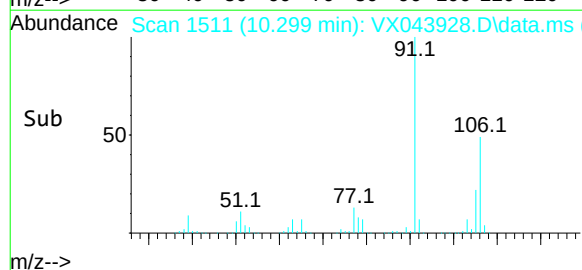
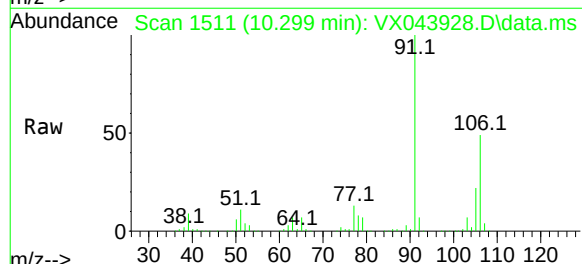
Acq: 21 Nov 2024 11:17

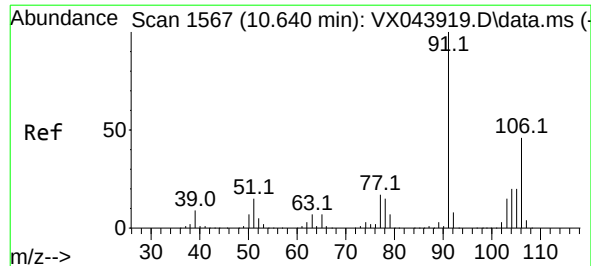
Tgt Ion:106 Resp: 323661

Ion Ratio Lower Upper

106 100

91 210.1 163.3 244.9





#69

o-Xylene

Concen: 59.245 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 160643

Ion Ratio Lower Upper

106 100

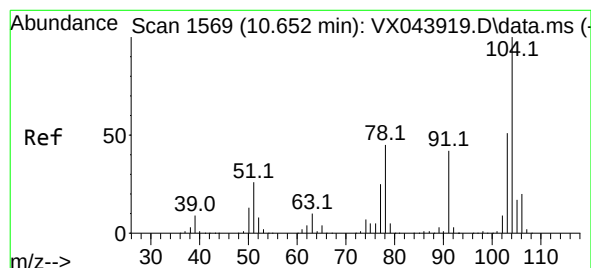
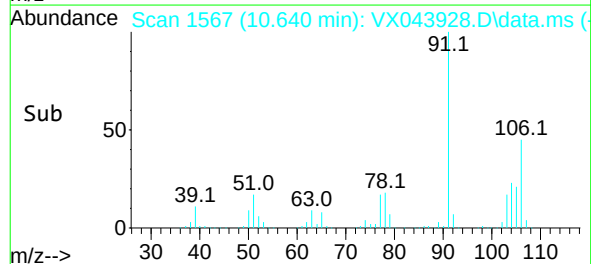
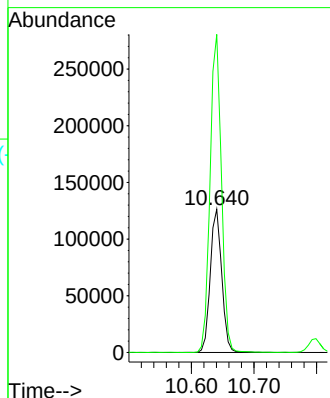
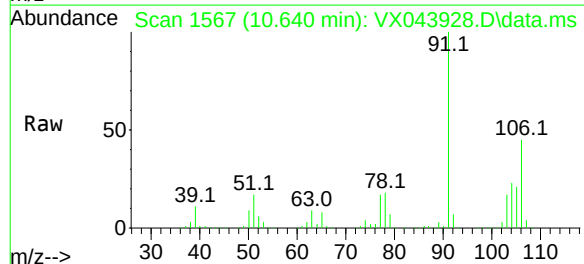
91 220.4 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 59.974 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

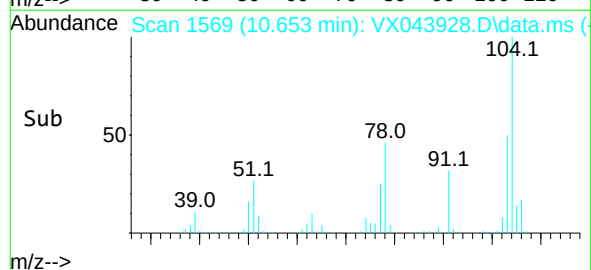
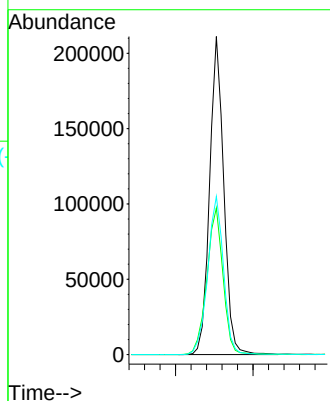
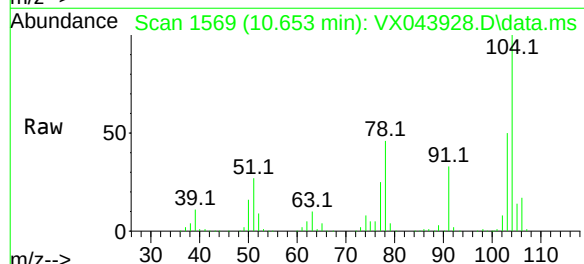
Tgt Ion:104 Resp: 268004

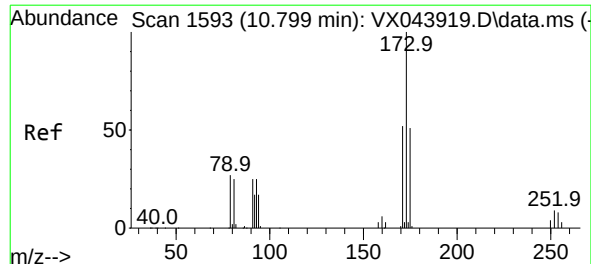
Ion Ratio Lower Upper

104 100

78 52.7 40.3 60.5

103 55.9 43.9 65.9





#71

Bromoform

Concen: 62.587 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

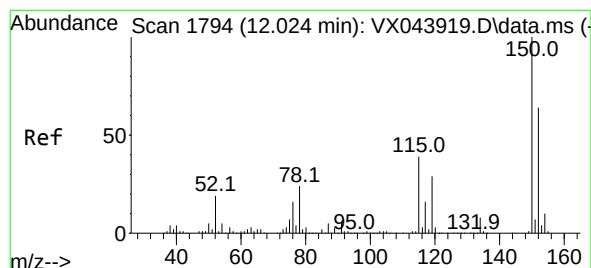
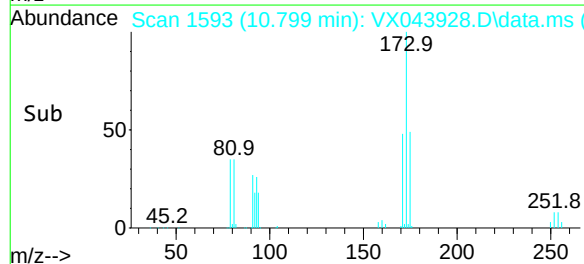
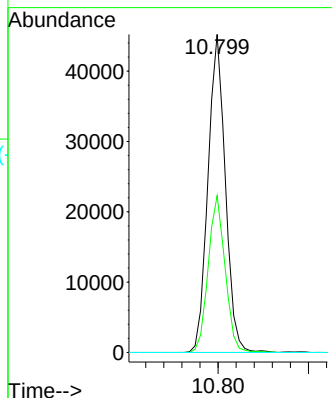
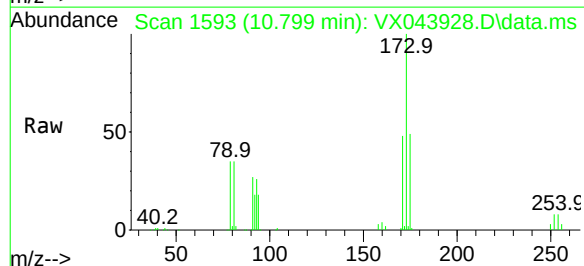
ClientSampleId :

VSTDICCC050

Tgt Ion:	173	Resp:	60267
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

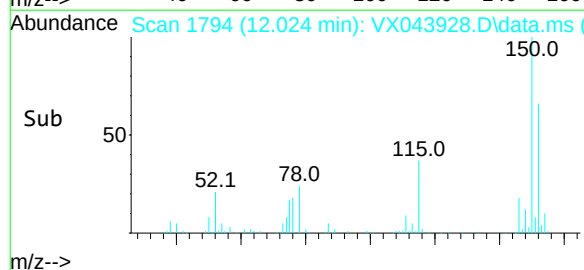
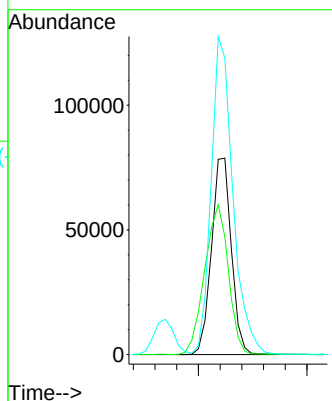
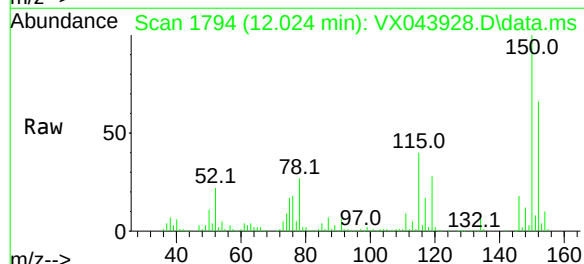
RT: 12.024 min Scan# 1794

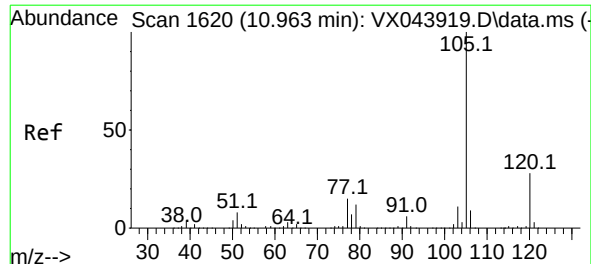
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	152	Resp:	100316
Ion Ratio	Lower	Upper	
152	100		
115	90.8	42.1	126.3
150	176.5	0.0	348.2





#73

Isopropylbenzene

Concen: 57.397 ug/l

RT: 10.957 min Scan# 16

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 411000

Ion Ratio Lower Upper

105 100

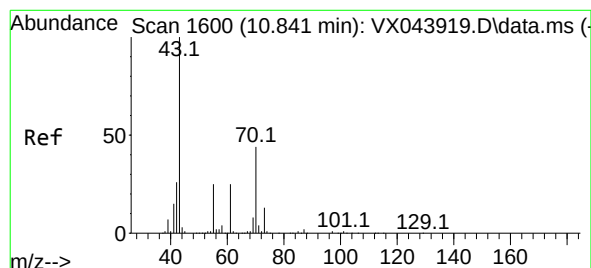
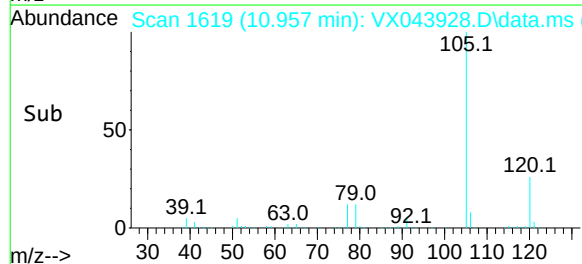
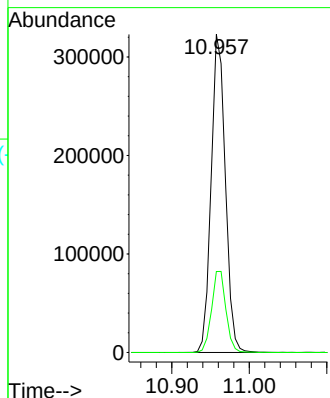
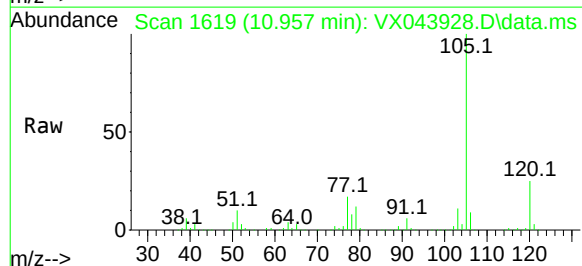
120 25.9 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 62.704 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

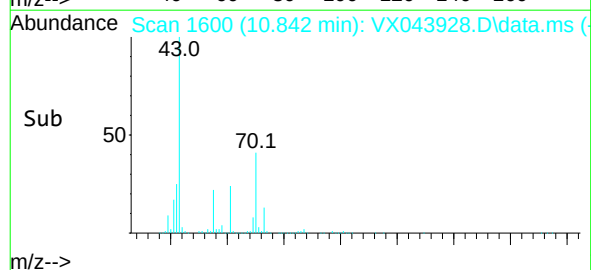
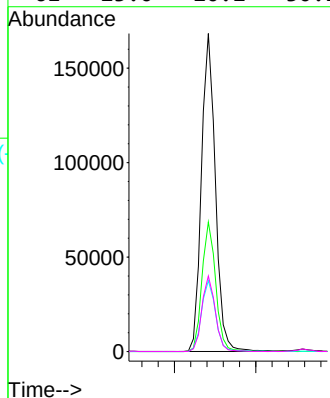
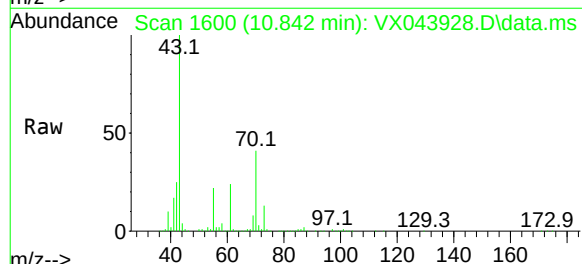
Ion Ratio Lower Upper

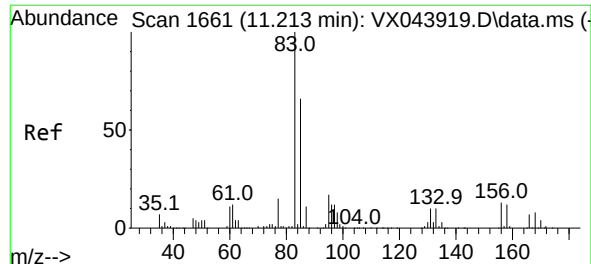
43 100

70 40.2 36.5 54.7

55 22.6 19.6 29.4

61 23.0 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 57.726 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

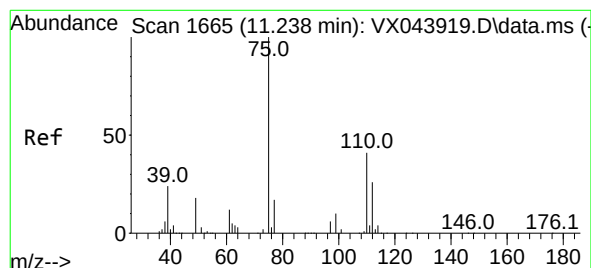
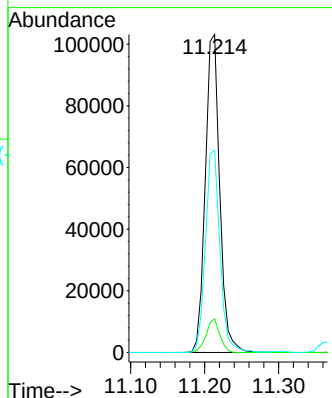
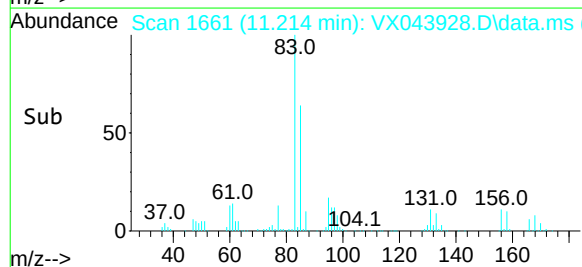
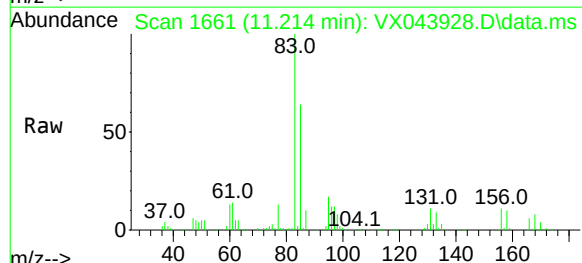
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	139756
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.4	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 57.858 ug/l m

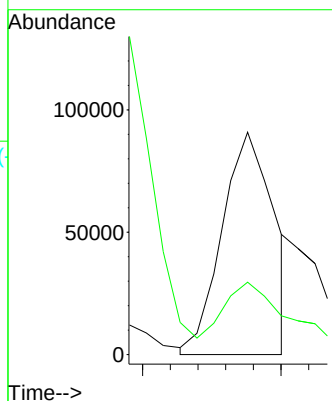
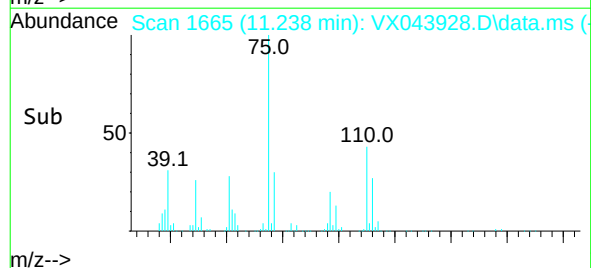
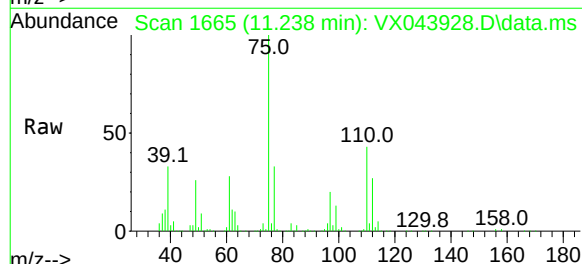
RT: 11.238 min Scan# 1665

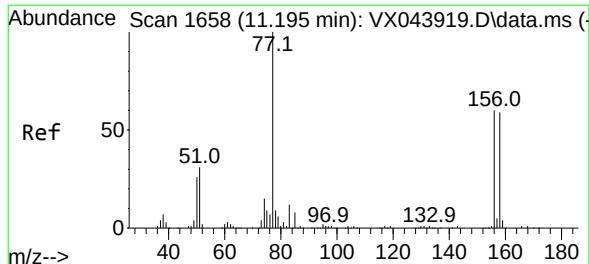
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	75	Resp:	118450
Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0





#77

Bromobenzene

Concen: 55.706 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

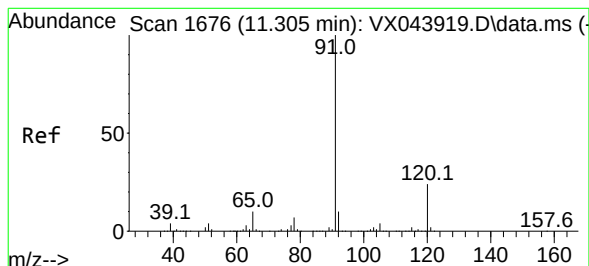
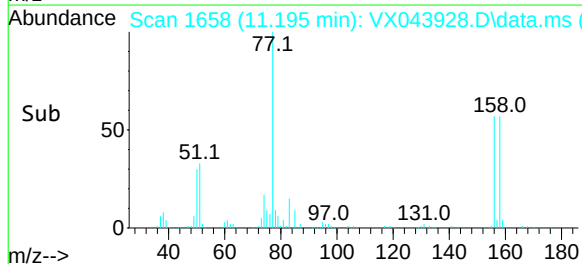
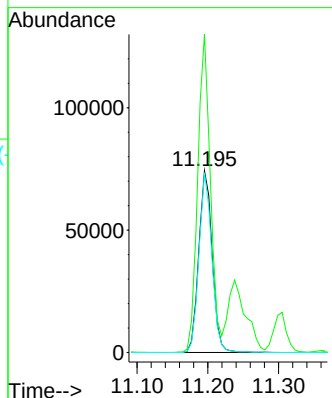
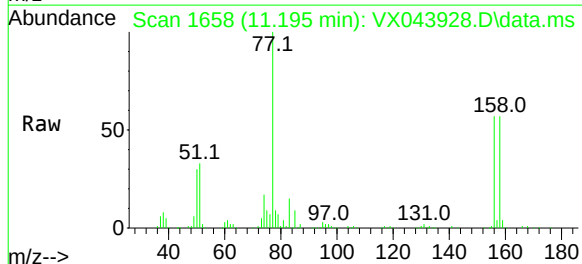
ClientSampleId :

VSTDICCC050

Tgt Ion:	156	Resp:	97761
Ion	Ratio	Lower	Upper
156	100		
77	166.7	81.2	243.6
158	95.2	48.6	145.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 60.094 ug/l

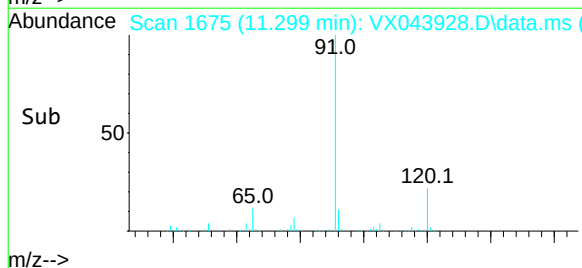
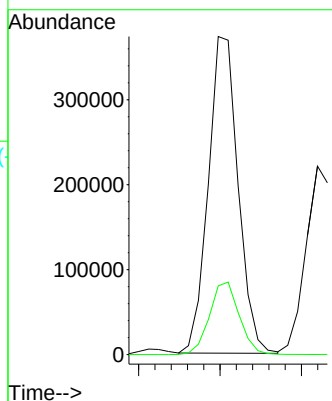
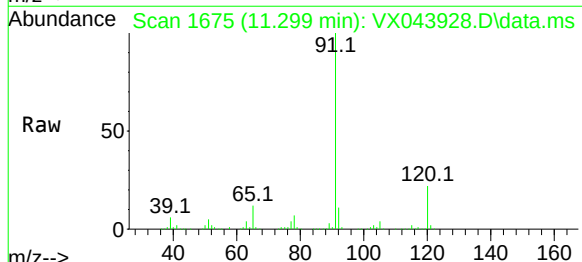
RT: 11.299 min Scan# 1675

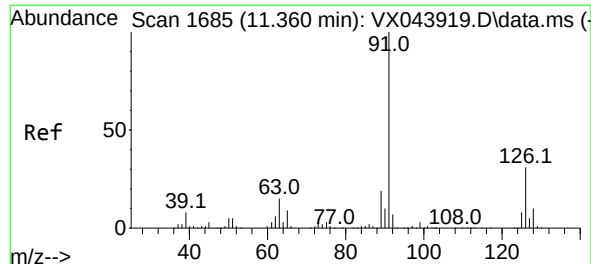
Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	91	Resp:	474802
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 57.018 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 286649

Ion Ratio Lower Upper

91 100

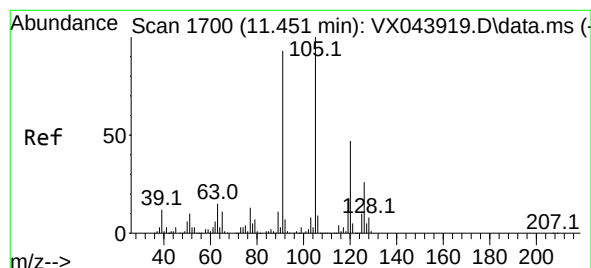
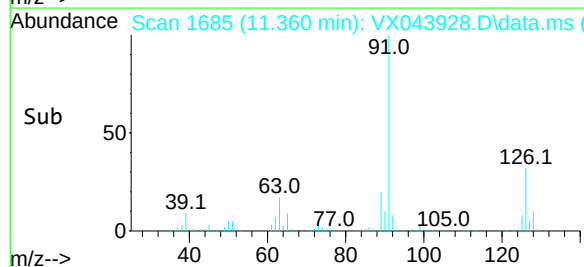
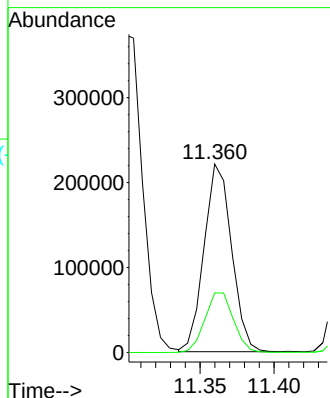
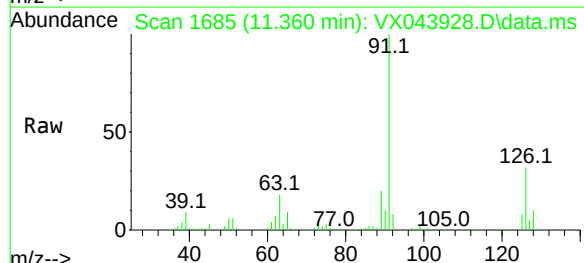
126 33.2 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 58.215 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043928.D

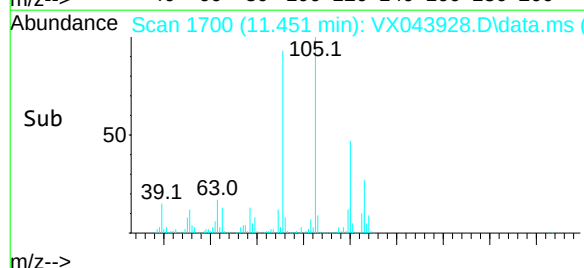
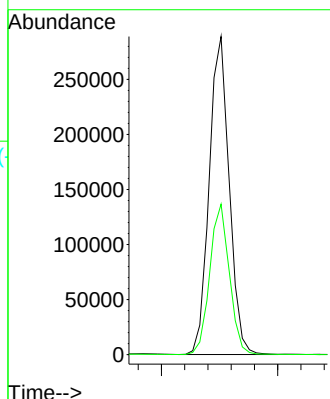
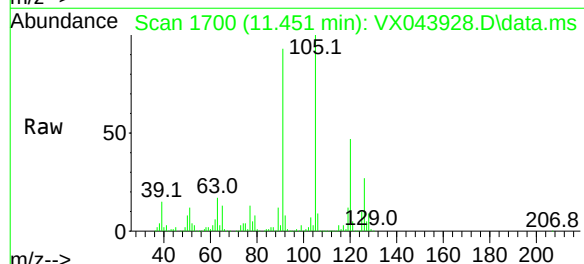
Acq: 21 Nov 2024 11:17

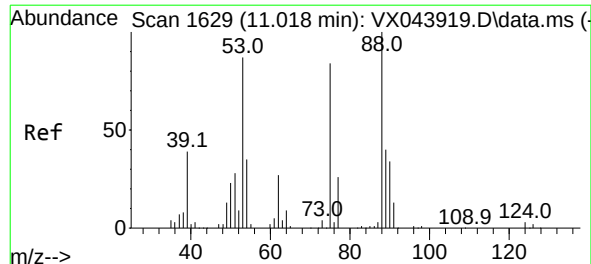
Tgt Ion:105 Resp: 345531

Ion Ratio Lower Upper

105 100

120 46.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 61.129 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

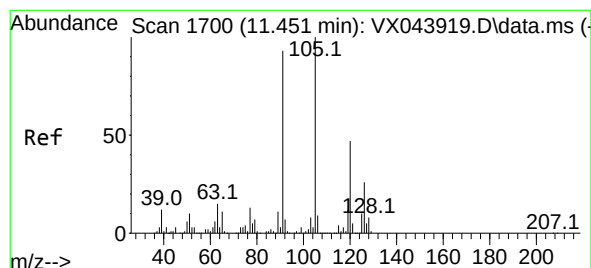
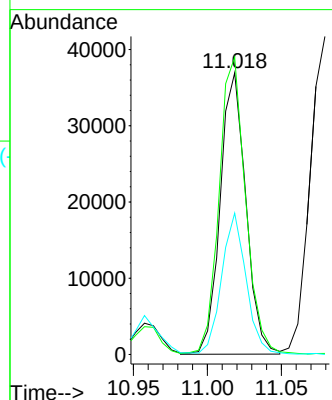
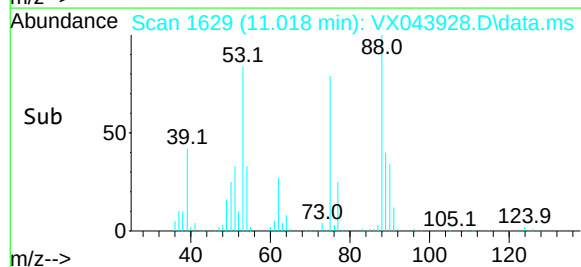
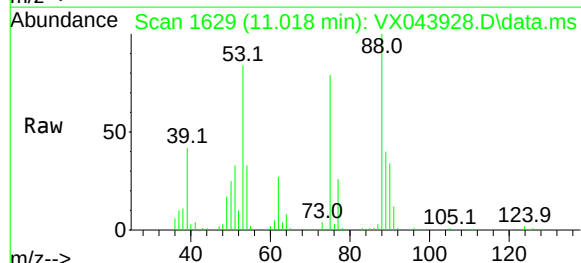
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	44456
Ion	Ratio	Lower	Upper
75	100		
53	108.4	81.7	122.5
89	47.7	38.6	57.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 57.679 ug/l

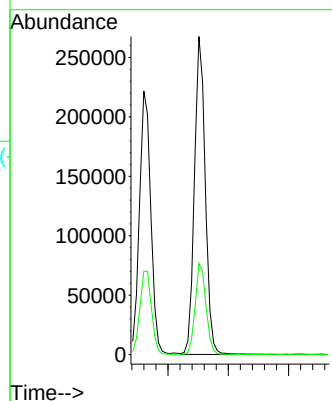
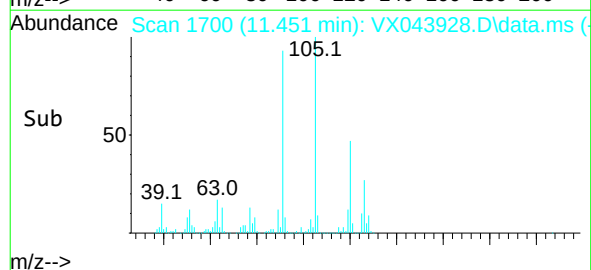
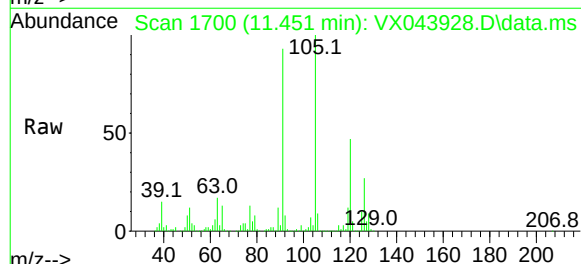
RT: 11.451 min Scan# 1700

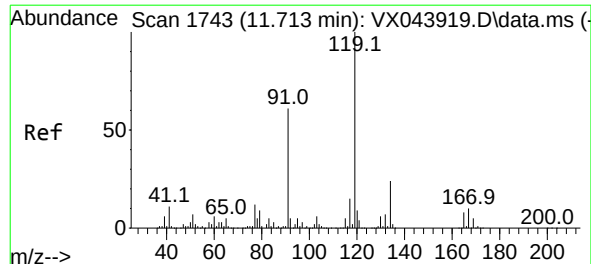
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	91	Resp:	333946
Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.2





#83

tert-Butylbenzene

Concen: 56.841 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

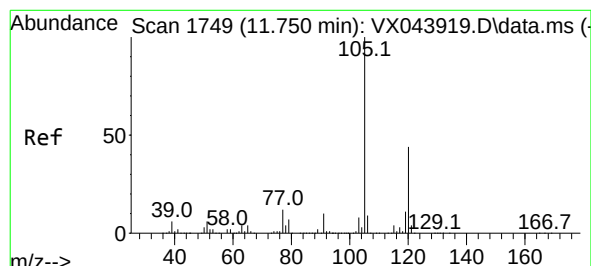
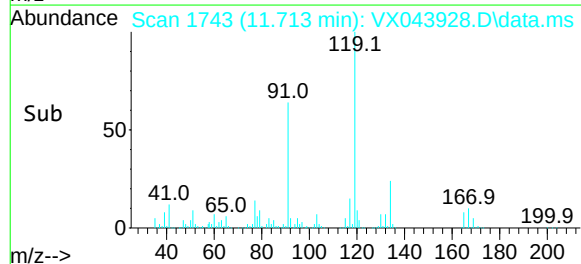
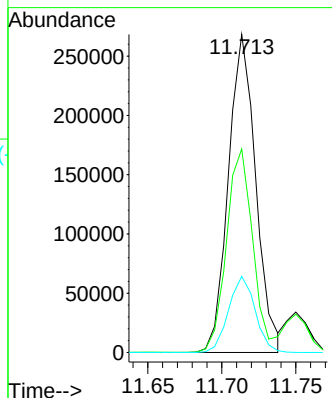
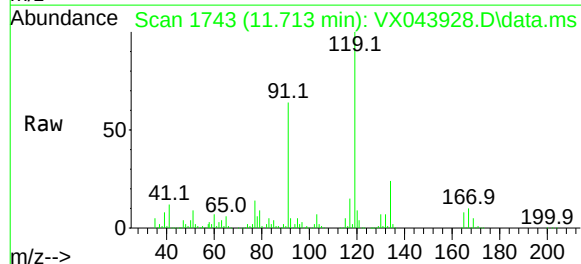
VSTDICCC050

Tgt Ion:	119	Resp:	345112
Ion	Ratio	Lower	Upper
119	100		
91	62.0	29.5	88.6
134	23.2	11.8	35.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 57.254 ug/l

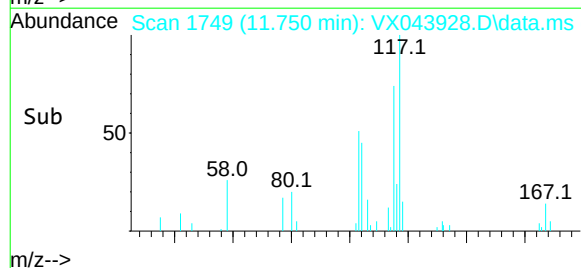
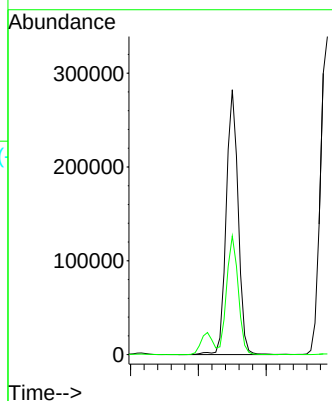
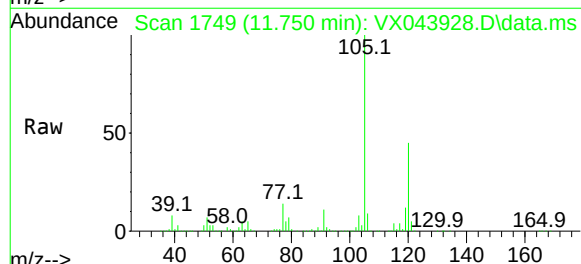
RT: 11.750 min Scan# 1749

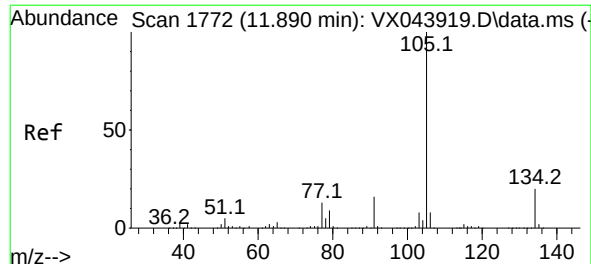
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	105	Resp:	345112
Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1





#85

sec-Butylbenzene

Concen: 58.794 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 426284

Ion Ratio Lower Upper

105 100

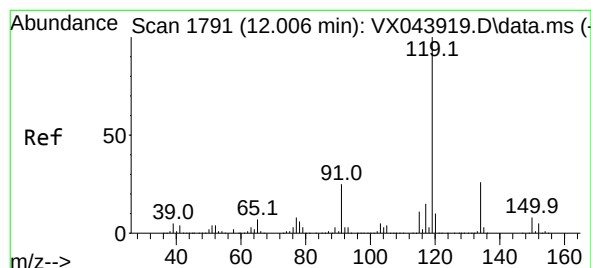
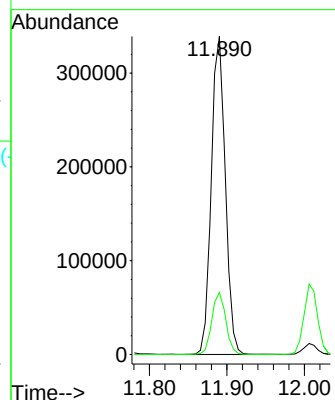
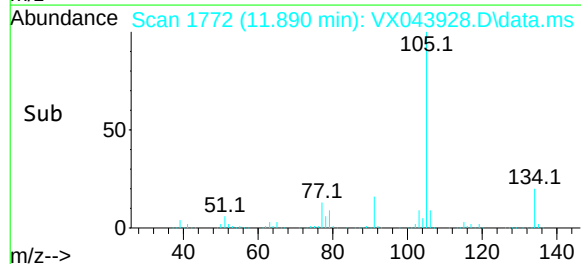
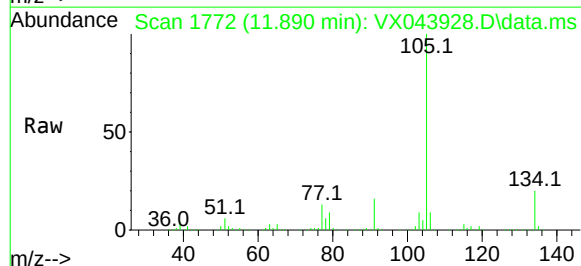
134 19.4 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 58.026 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

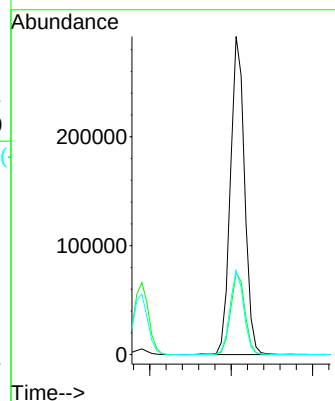
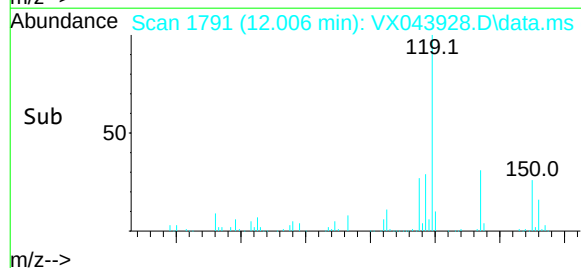
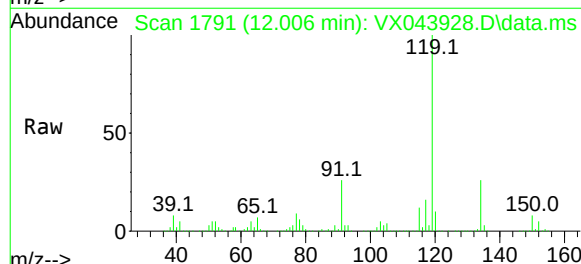
Tgt Ion:119 Resp: 353256

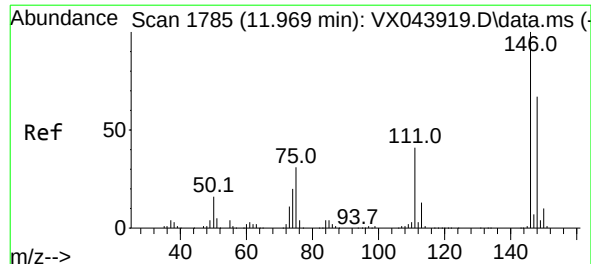
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 25.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 54.401 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 176936

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.2

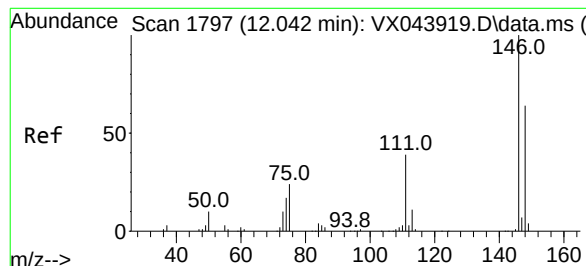
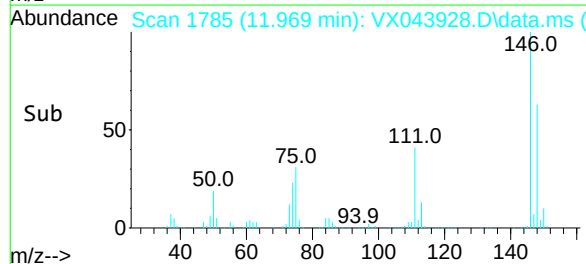
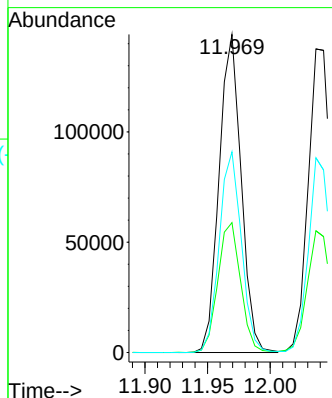
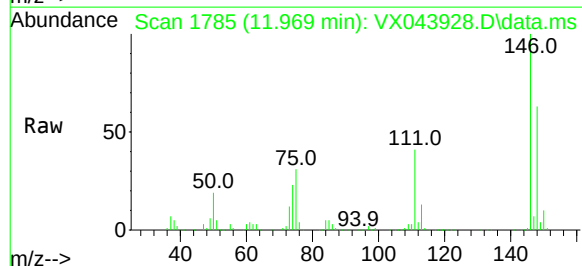
148 63.4 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 53.598 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

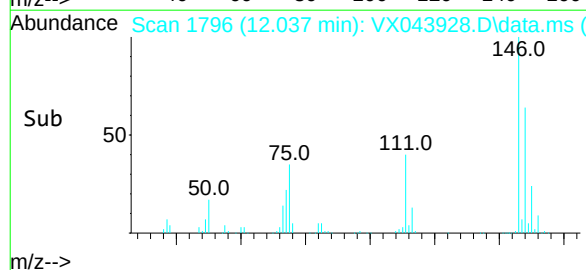
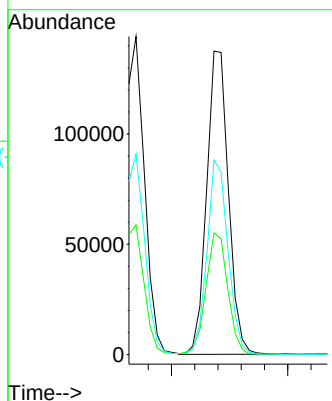
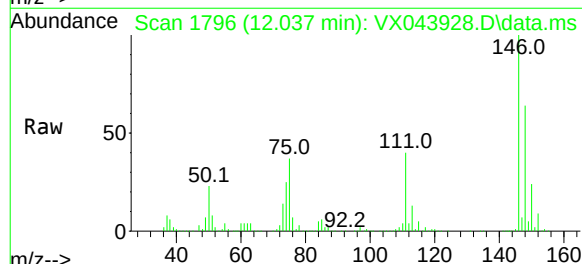
Tgt Ion:146 Resp: 178728

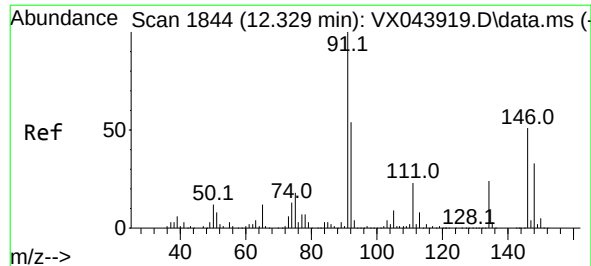
Ion Ratio Lower Upper

146 100

111 40.2 20.1 60.2

148 61.9 32.2 96.6





#89

n-Butylbenzene

Concen: 61.581 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

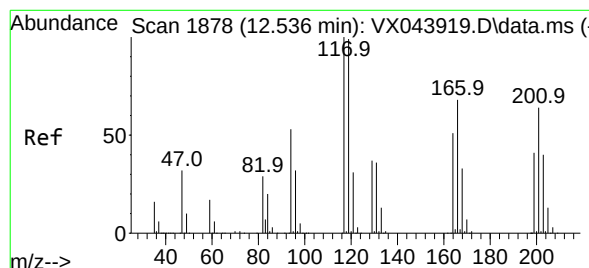
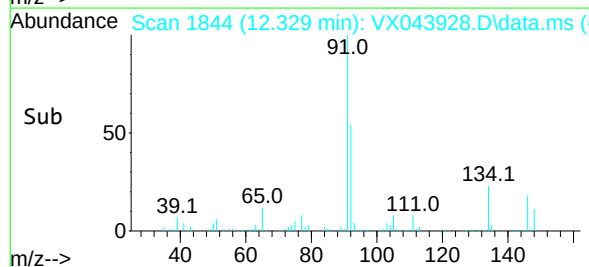
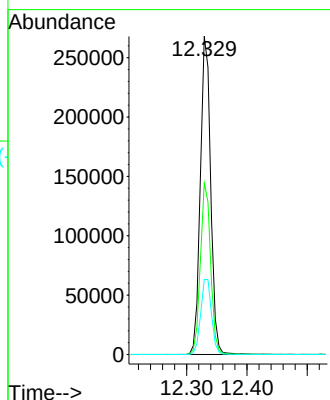
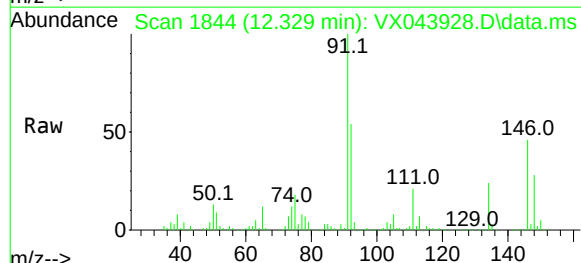
ClientSampleId :

VSTDICCC050

Tgt Ion:	91	Resp:	319448
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.6
134	24.8	12.9	38.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 57.586 ug/l

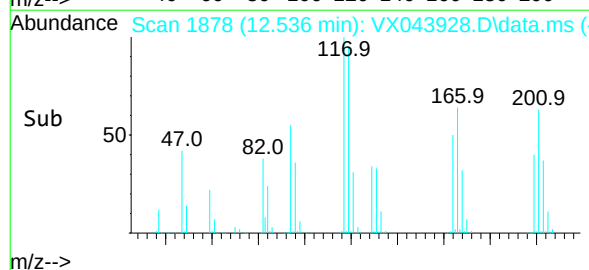
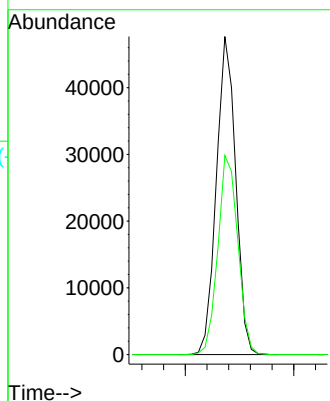
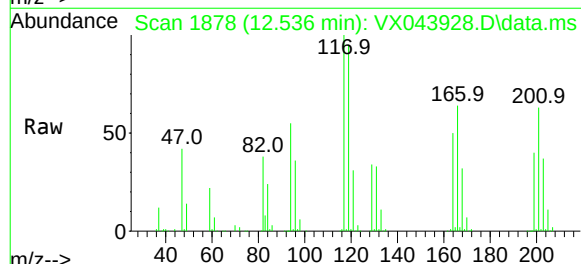
RT: 12.536 min Scan# 1878

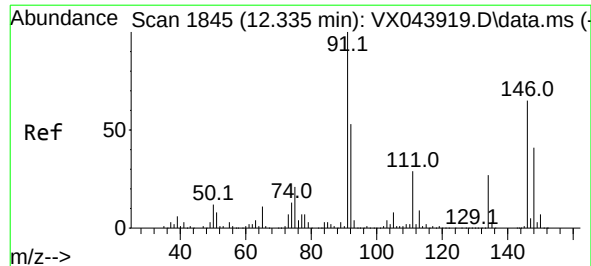
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	117	Resp:	59010
Ion	Ratio	Lower	Upper
117	100		
201	64.7	34.1	102.3





#91

1,2-Dichlorobenzene

Concen: 52.077 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 177334

Ion Ratio Lower Upper

146 100

111 43.0 21.7 65.1

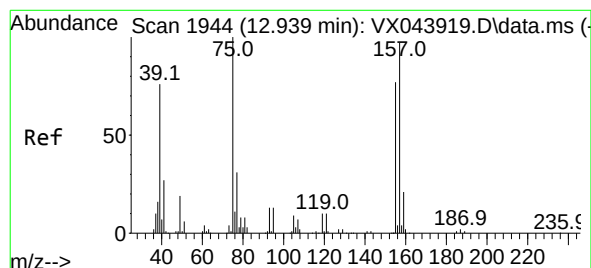
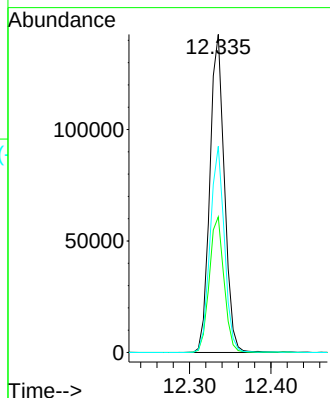
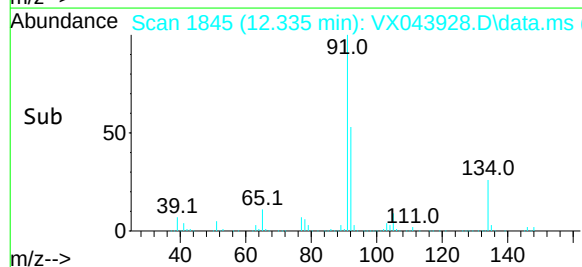
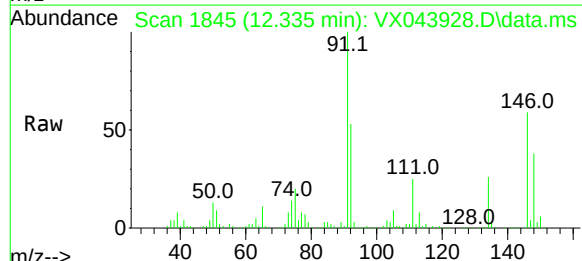
148 63.7 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.961 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

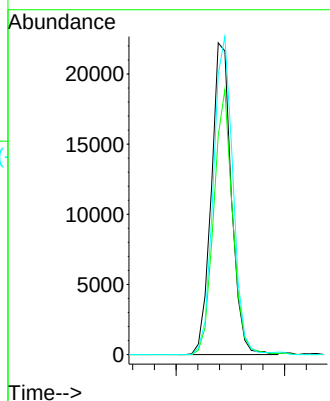
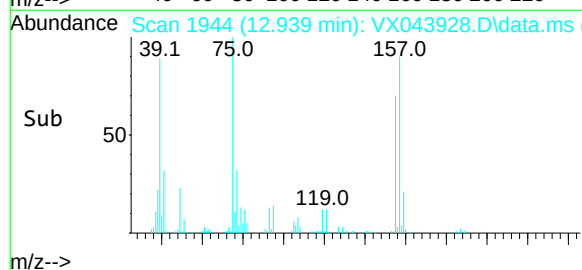
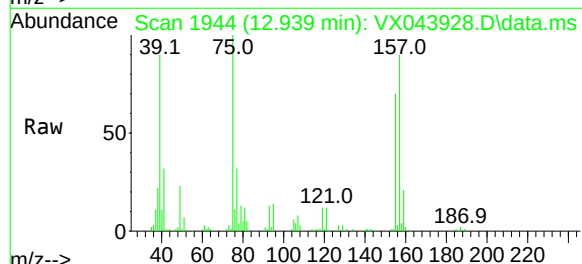
Tgt Ion: 75 Resp: 28467

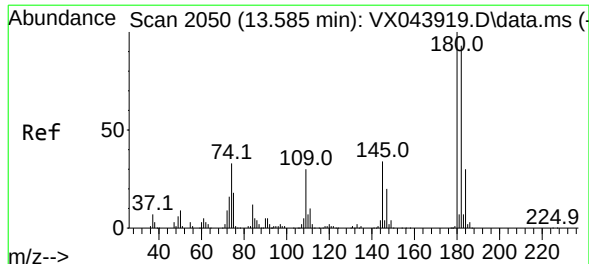
Ion Ratio Lower Upper

75 100

155 80.1 40.8 122.5

157 99.3 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 54.645 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

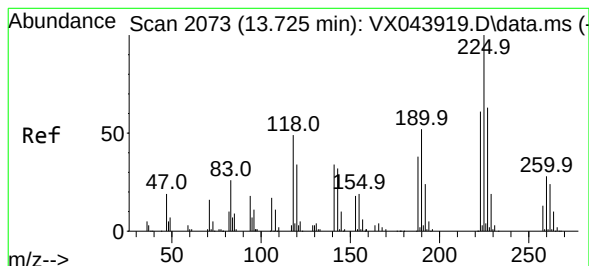
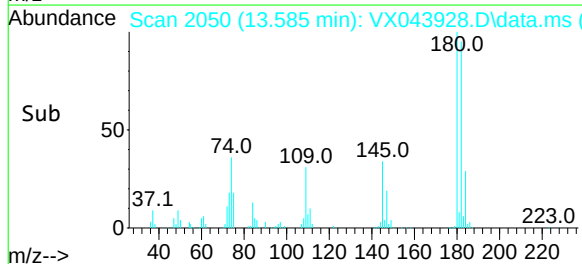
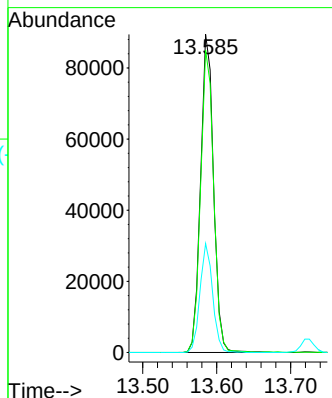
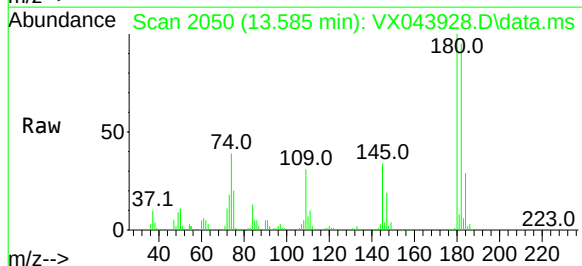
ClientSampleId :

VSTDICCC050

Tgt Ion:	180	Resp:	108749
Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.8	140.4
145	33.6	16.4	49.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 50.599 ug/l

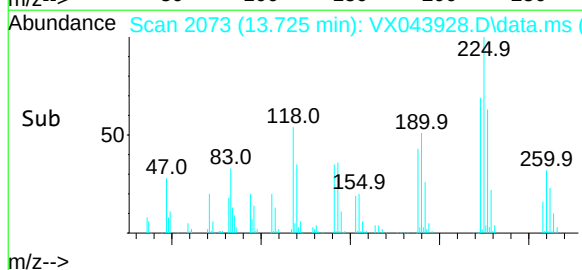
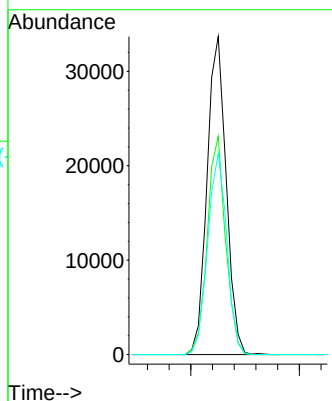
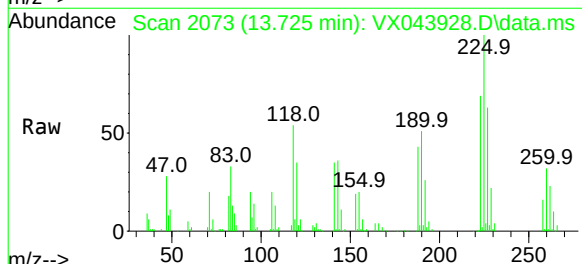
RT: 13.725 min Scan# 2073

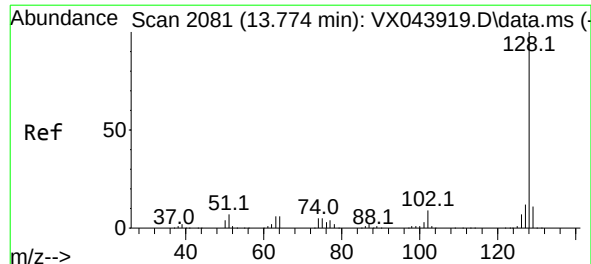
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	225	Resp:	41267
Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.1	93.3
227	63.2	29.8	89.5





#95

Naphthalene

Concen: 54.142 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

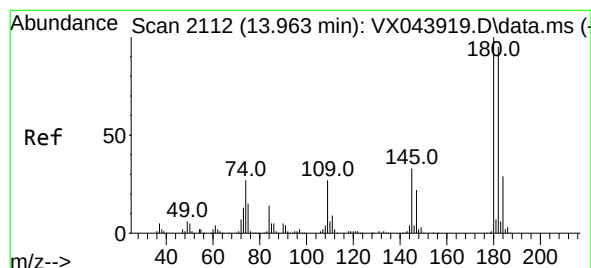
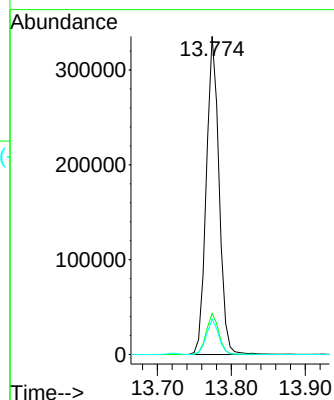
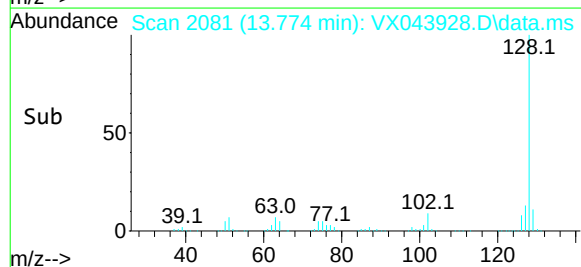
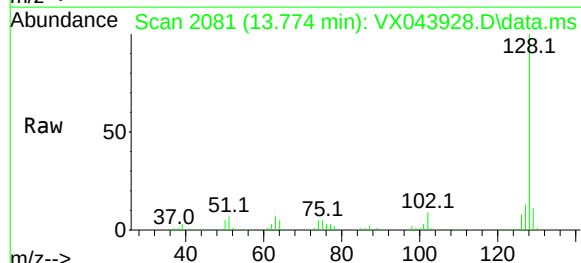
ClientSampleId :

VSTDICCC050

Tgt Ion:	128	Resp:	401752
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 54.094 ug/l

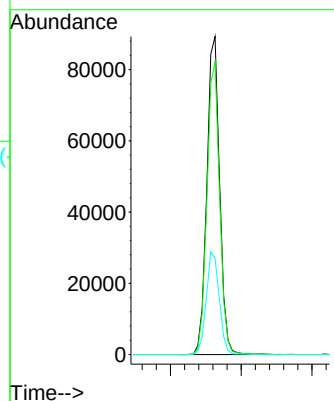
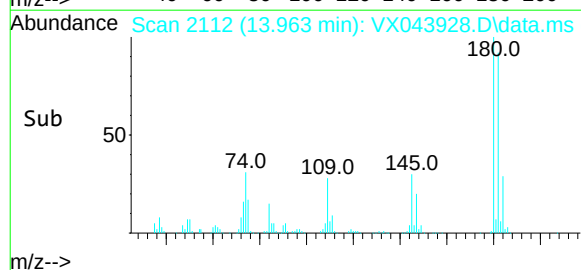
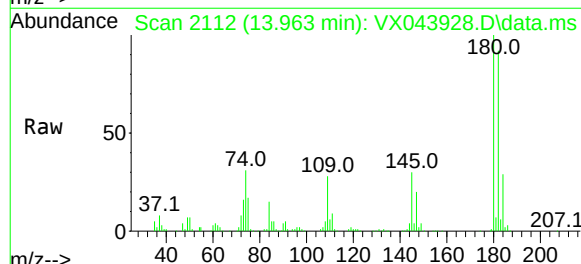
RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:	180	Resp:	112162
Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.6	142.8
145	32.9	17.4	52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	138314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104048	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	236531	111.333	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 222.660%#		
35) Dibromofluoromethane	5.379	113	176869	106.893	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 213.780%#		
50) Toluene-d8	8.647	98	607337	109.870	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 219.740%#		
62) 4-Bromofluorobenzene	11.079	95	215953	118.228	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 236.460%#		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	118.713	ug/l	97
3) Chloromethane	1.295	50	183899	105.136	ug/l	100
4) Vinyl Chloride	1.374	62	192221	109.377	ug/l	98
5) Bromomethane	1.593	94	118792	148.807	ug/l	99
6) Chloroethane	1.660	64	101816	121.286	ug/l	98
7) Trichlorofluoromethane	1.868	101	354375	141.438	ug/l	100
8) Diethyl Ether	2.136	74	125840	133.219	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	109.922	ug/l	96
10) Methyl Iodide	2.441	142	213858	102.481	ug/l	96
11) Tert butyl alcohol	3.002	59	184757	546.882	ug/l	100
12) 1,1-Dichloroethene	2.307	96	158111	109.868	ug/l	89
13) Acrolein	2.240	56	200929	530.320	ug/l	99
14) Allyl chloride	2.654	41	276068	118.320	ug/l	90
15) Acrylonitrile	3.069	53	458624	527.361	ug/l	97
16) Acetone	2.386	43	511112	598.985	ug/l	92
17) Carbon Disulfide	2.502	76	367958	117.100	ug/l	99
18) Methyl Acetate	2.703	43	247225	105.800	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	597600	112.347	ug/l	99
20) Methylene Chloride	2.782	84	178008	99.663	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	165989	105.798	ug/l	98
22) Diisopropyl ether	3.764	45	572855	112.380	ug/l	97
23) Vinyl Acetate	3.721	43	2570419	622.111	ug/l	97
24) 1,1-Dichloroethane	3.605	63	327756	109.327	ug/l	99
25) 2-Butanone	4.562	43	690992	578.867	ug/l	98
26) 2,2-Dichloropropane	4.471	77	299254	121.468	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	206207	105.613	ug/l	94
28) Bromochloromethane	4.898	49	138227	109.575	ug/l	91
29) Tetrahydrofuran	5.007	42	419337	543.649	ug/l	97
30) Chloroform	5.087	83	350923	112.294	ug/l	97
31) Cyclohexane	5.458	56	256114	105.404	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	309469	115.841	ug/l	98
36) 1,1-Dichloropropene	5.684	75	222573	107.931	ug/l	99
37) Ethyl Acetate	4.715	43	265631	114.453	ug/l	97
38) Carbon Tetrachloride	5.672	117	256290	117.390	ug/l	97
39) Methylcyclohexane	7.373	83	283075	109.652	ug/l	98
40) Benzene	6.032	78	684139	105.520	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043929.D
 Acq On : 21 Nov 2024 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 21 12:15:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	143256	118.447	ug/l	94
42) 1,2-Dichloroethane	6.080	62	271641	115.387	ug/l	98
43) Isopropyl Acetate	6.342	43	440615	120.346	ug/l	94
44) Trichloroethene	7.123	130	169796	94.997	ug/l	98
45) 1,2-Dichloropropane	7.428	63	170741	107.450	ug/l	99
46) Dibromomethane	7.574	93	135928	113.518	ug/l	96
47) Bromodichloromethane	7.818	83	260442	123.792	ug/l	97
48) Methyl methacrylate	7.690	41	210614	116.061	ug/l	88
49) 1,4-Dioxane	7.665	88	62845	1625.913	ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	1329064	582.189	ug/l	95
52) Toluene	8.714	92	418999	112.018	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	270418	126.680	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	285627	118.077	ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	167357	114.675	ug/l	97
56) Ethyl methacrylate	9.116	69	286893	124.157	ug/l #	90
57) 1,3-Dichloropropane	9.305	76	285511	116.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	576.637	ug/l	98
59) 2-Hexanone	9.433	43	1011261	627.842	ug/l	95
60) Dibromochloromethane	9.519	129	187476	131.832	ug/l	99
61) 1,2-Dibromoethane	9.610	107	176345	115.841	ug/l	99
64) Tetrachloroethene	9.269	164	135740	98.157	ug/l	97
65) Chlorobenzene	10.080	112	461076	102.382	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	109.812	ug/l	97
67) Ethyl Benzene	10.189	91	812289	107.178	ug/l	98
68) m/p-Xylenes	10.299	106	603451	213.769	ug/l	96
69) o-Xylene	10.640	106	298739	108.462	ug/l	98
70) Styrene	10.653	104	511251	112.628	ug/l	98
71) Bromoform	10.799	173	123114	125.866	ug/l #	98
73) Isopropylbenzene	10.957	105	765623	103.086	ug/l	99
74) N-amyl acetate	10.842	43	394438	119.112	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	104.456	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	219028m	103.148	ug/l	
77) Bromobenzene	11.195	156	183742	100.944	ug/l	98
78) n-propylbenzene	11.305	91	891893	108.835	ug/l	99
79) 2-Chlorotoluene	11.360	91	537190	103.022	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	105.408	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	116.733	ug/l	97
82) 4-Chlorotoluene	11.451	91	629590	104.841	ug/l	100
83) tert-Butylbenzene	11.713	119	655918	104.157	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	650156	103.992	ug/l	100
85) sec-Butylbenzene	11.890	105	793233	105.481	ug/l	100
86) p-Isopropyltoluene	12.006	119	669819	106.078	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	337665	100.095	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	343312	99.262	ug/l	99
89) n-Butylbenzene	12.329	91	605284	112.498	ug/l	99
90) Hexachloroethane	12.536	117	120913	113.763	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	341767	96.765	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	110.517	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	210571	102.015	ug/l	98
94) Hexachlorobutadiene	13.725	225	79822	94.363	ug/l	95
95) Naphthalene	13.774	128	776740	100.923	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	98.491	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

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

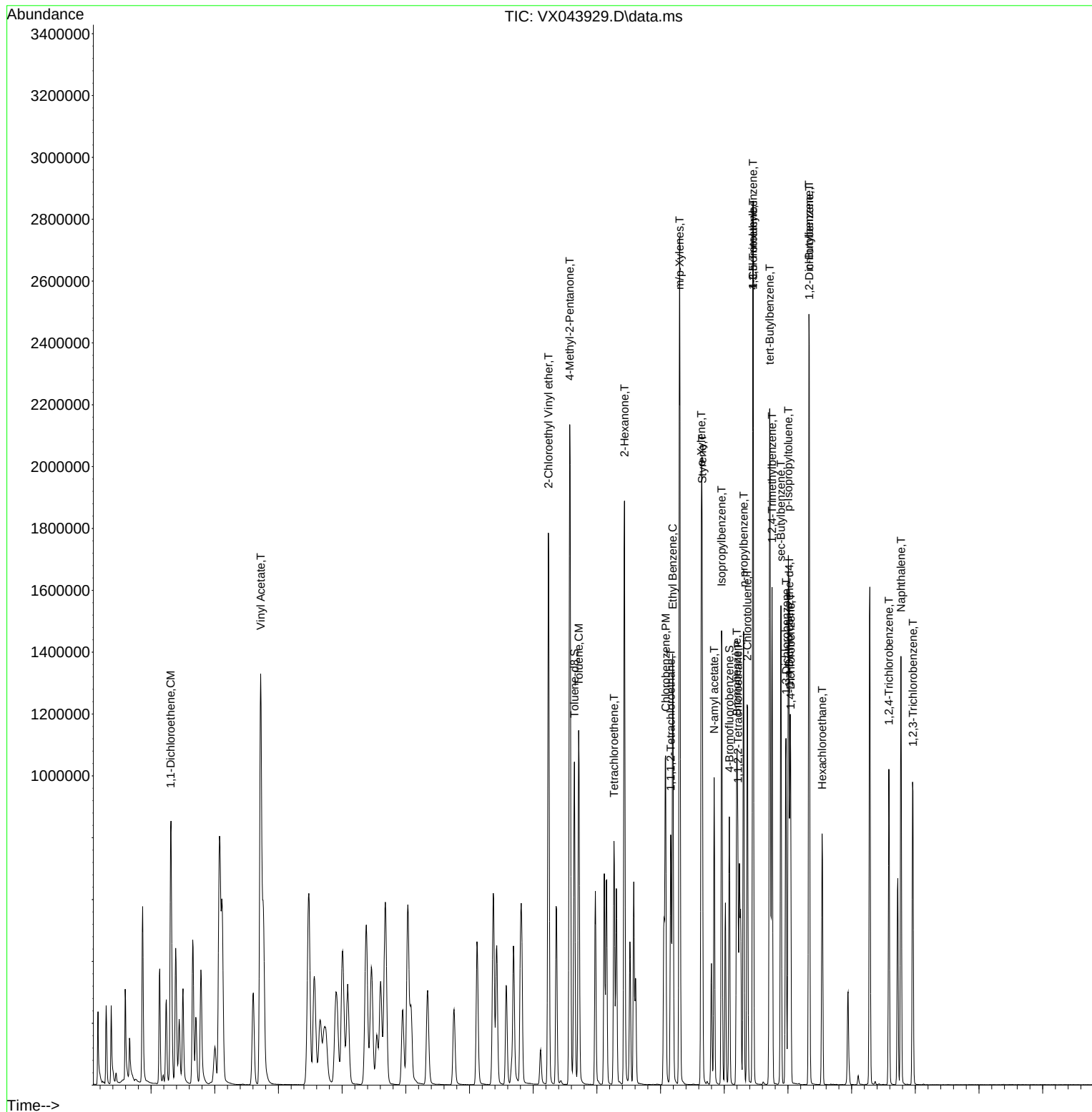
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

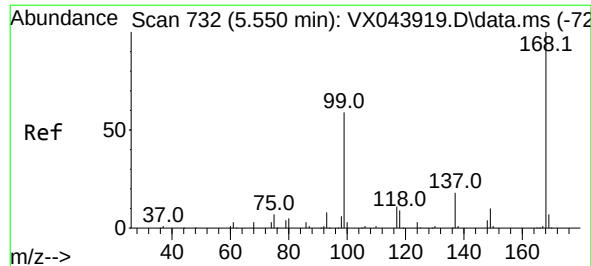
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:168 Resp: 138314

Ion Ratio Lower Upper

168 100

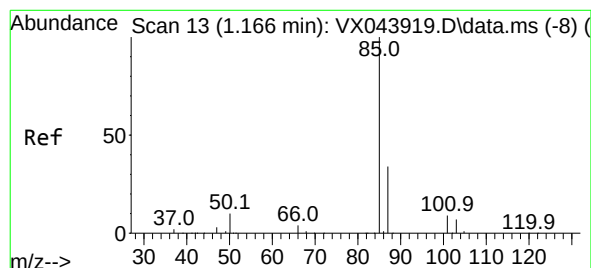
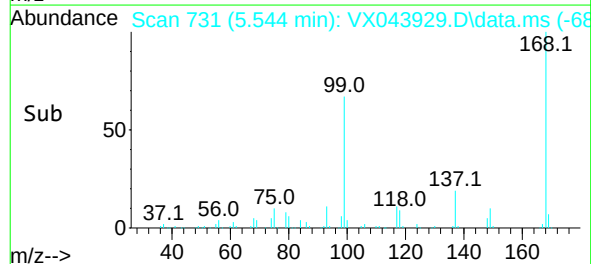
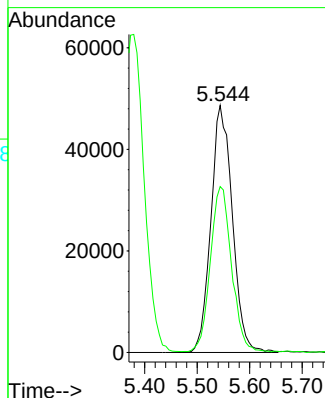
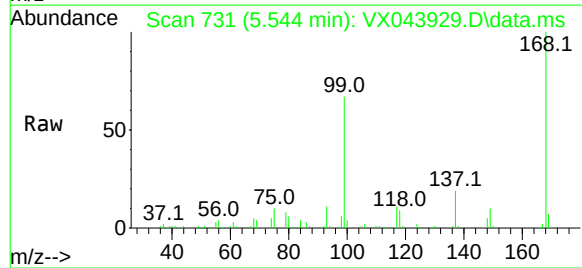
99 66.7 46.9 70.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#2

Dichlorodifluoromethane

Concen: 118.713 ug/l

RT: 1.167 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX043929.D

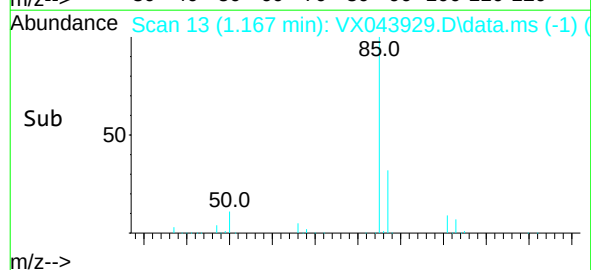
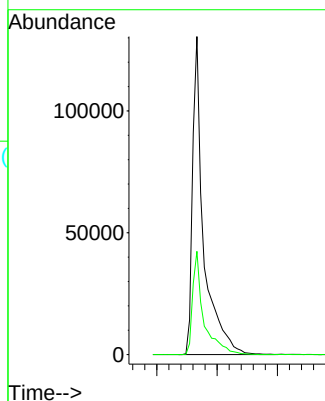
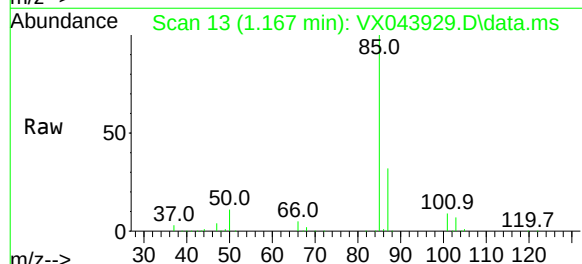
Acq: 21 Nov 2024 11:40

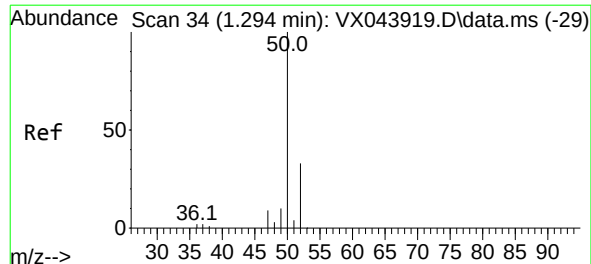
Tgt Ion: 85 Resp: 166145

Ion Ratio Lower Upper

85 100

87 32.5 17.1 51.2





#3

Chloromethane

Concen: 105.136 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 50 Resp: 183899

Ion Ratio Lower Upper

50 100

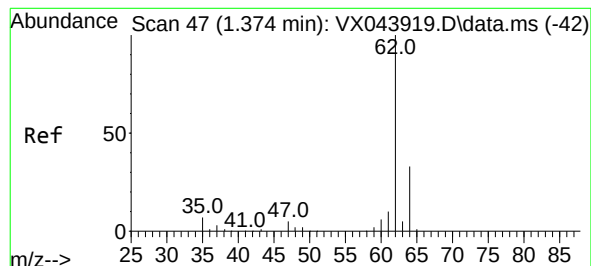
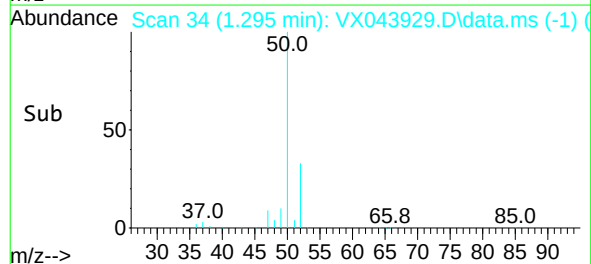
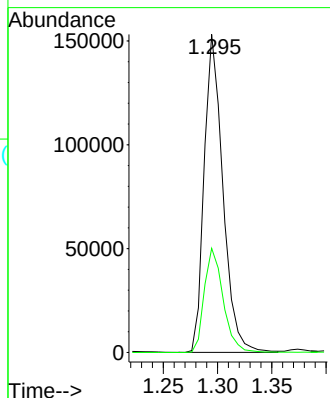
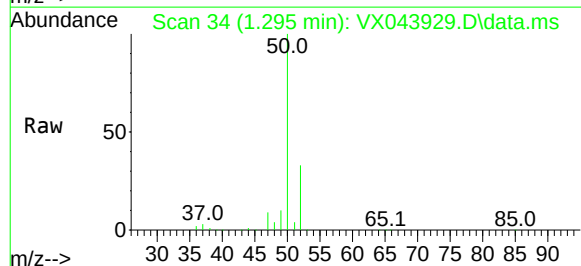
52 32.8 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 109.377 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043929.D

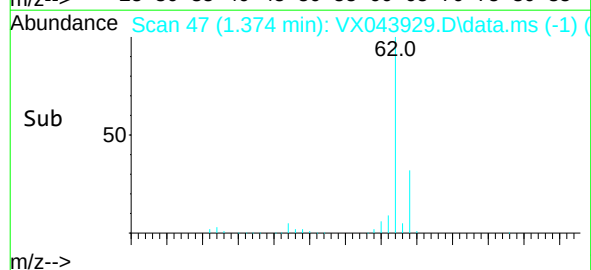
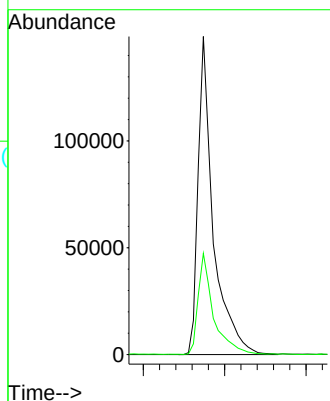
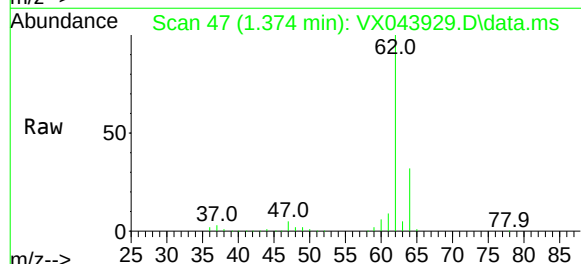
Acq: 21 Nov 2024 11:40

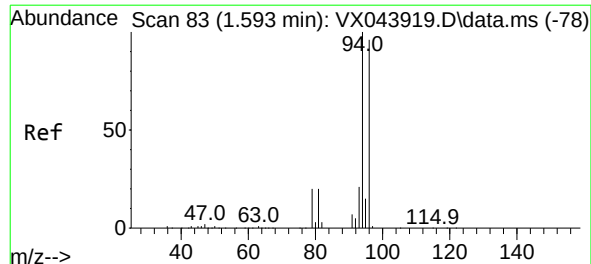
Tgt Ion: 62 Resp: 192221

Ion Ratio Lower Upper

62 100

64 31.7 26.1 39.1





#5

Bromomethane

Concen: 148.807 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 94 Resp: 118792

Ion Ratio Lower Upper

94 100

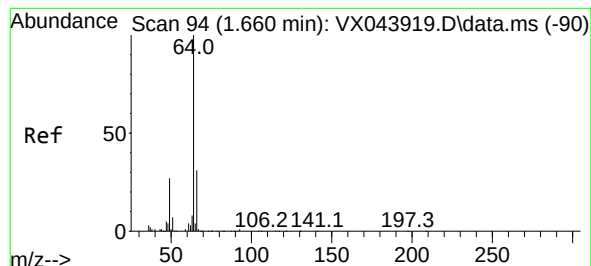
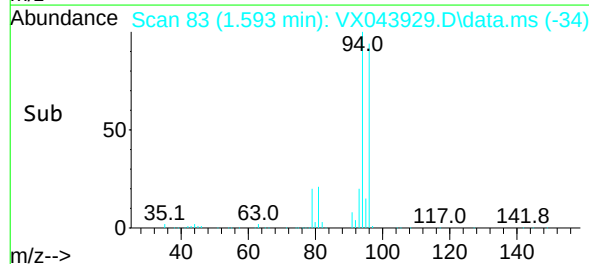
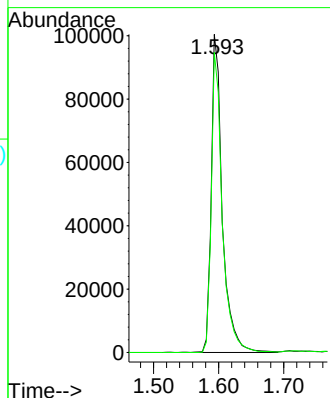
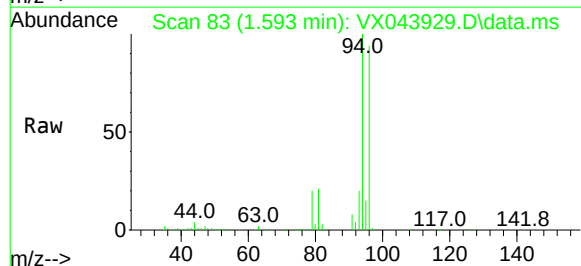
96 94.3 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 121.286 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043929.D

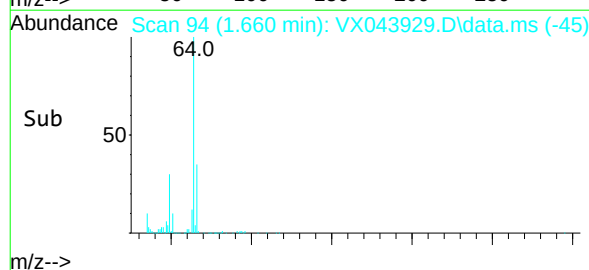
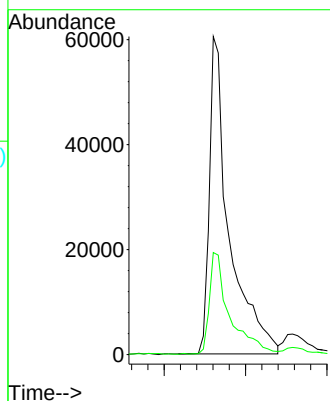
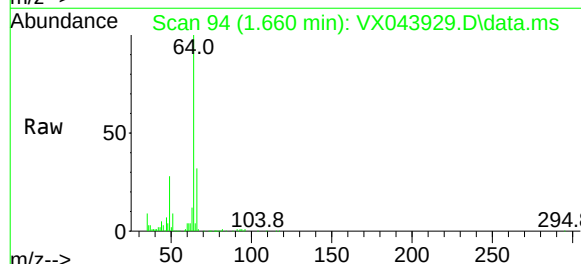
Acq: 21 Nov 2024 11:40

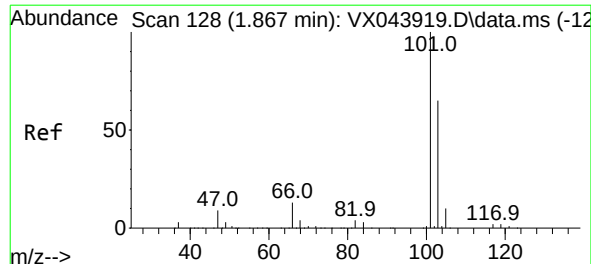
Tgt Ion: 64 Resp: 101816

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3





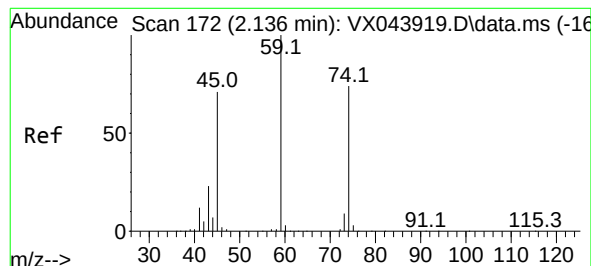
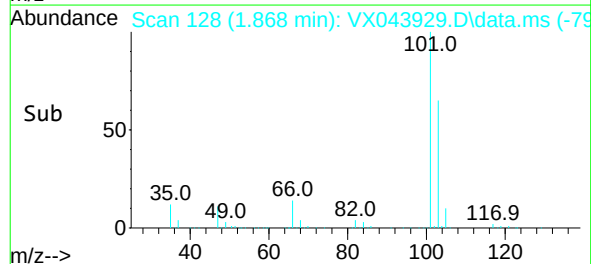
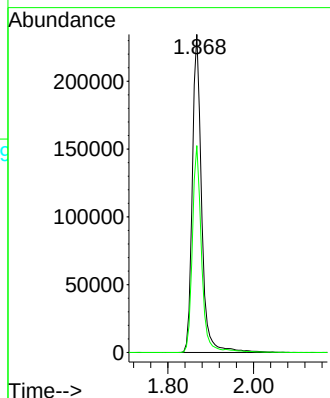
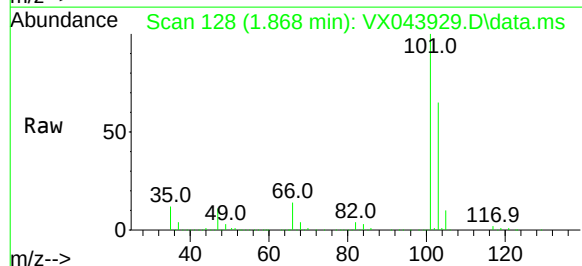
Trichlorofluoromethane
Concen: 141.438 ug/l
RT: 1.868 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 354375
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4

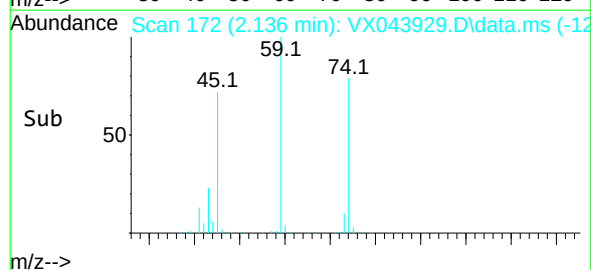
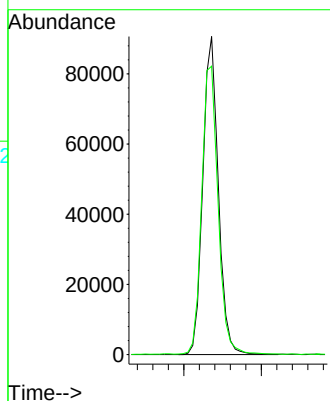
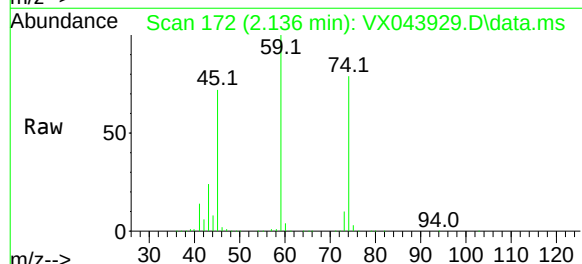
Manual Integrations
APPROVED

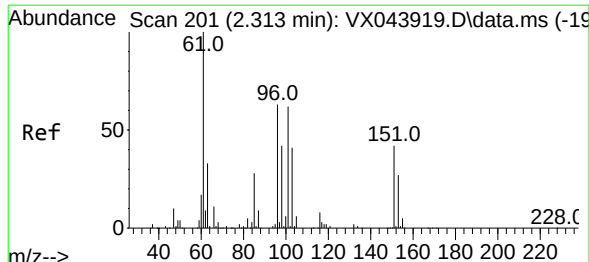
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Diethyl Ether
Concen: 133.219 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840
Ion Ratio Lower Upper
74 100
45 95.5 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 109.922 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX043929.D

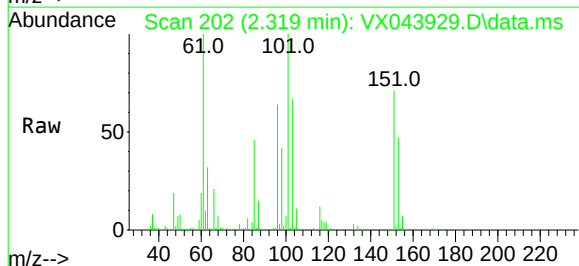
Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

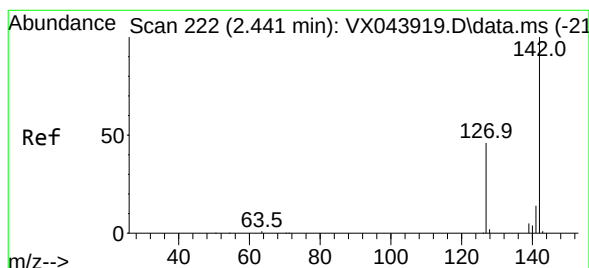
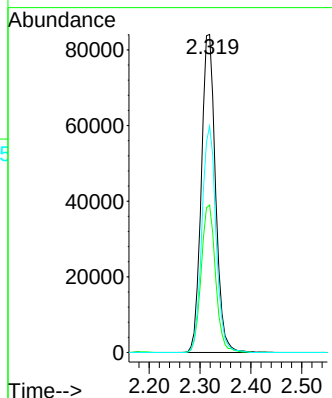
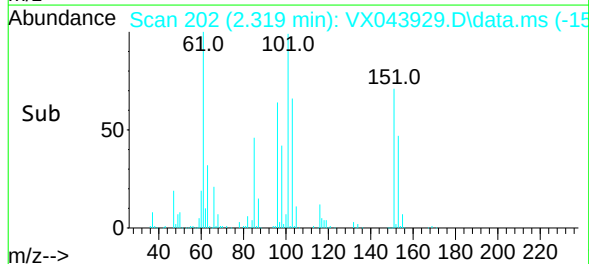
VSTDICC100



Tgt Ion:	101	Resp:	162988
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.6	54.8
151	70.5	59.8	89.6

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10

Methyl Iodide

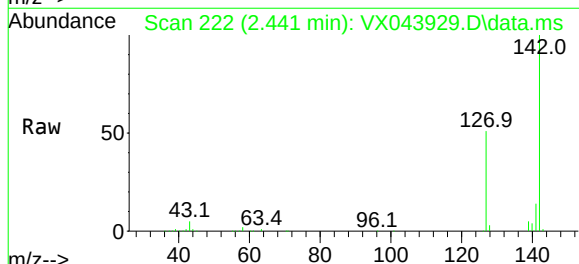
Concen: 102.481 ug/l

RT: 2.441 min Scan# 222

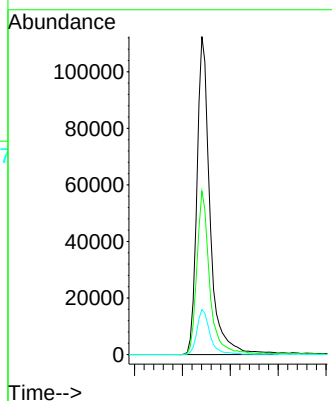
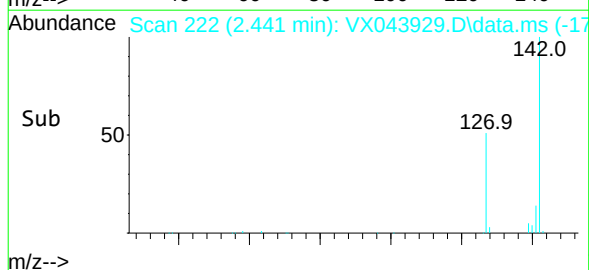
Delta R.T. 0.000 min

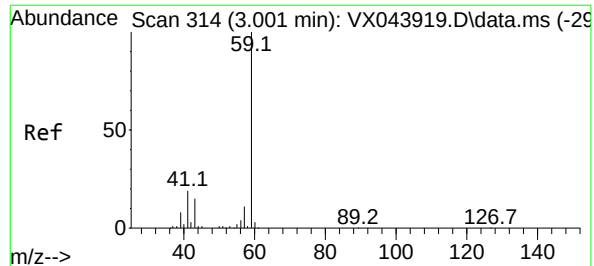
Lab File: VX043929.D

Acq: 21 Nov 2024 11:40



Tgt Ion:	142	Resp:	213858
Ion	Ratio	Lower	Upper
142	100		
127	50.0	37.3	55.9
141	14.1	11.4	17.2





#11

Tert butyl alcohol

Concen: 546.882 ug/l

RT: 3.002 min Scan# 314

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 184757

Ion Ratio Lower Upper

59 100

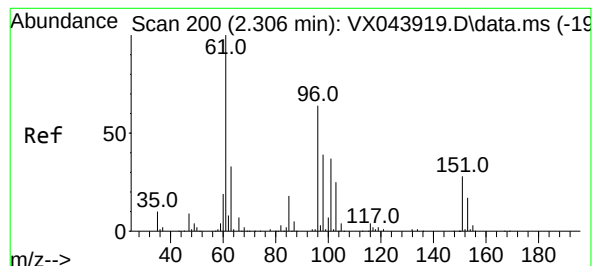
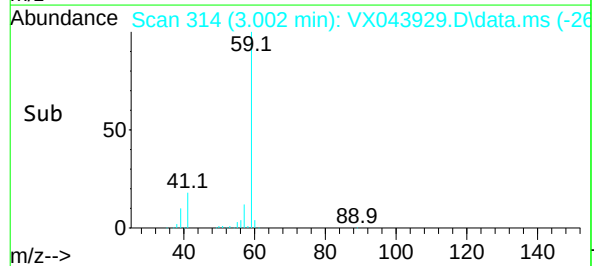
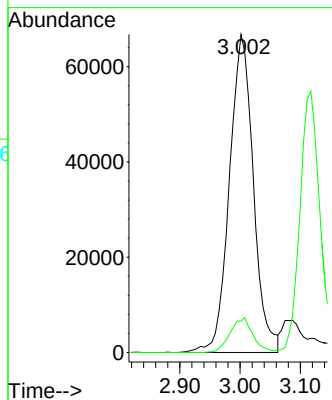
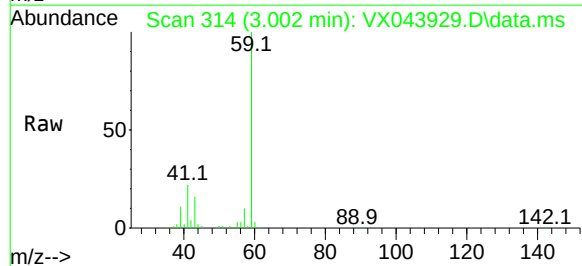
57 10.4 8.2 12.4

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 109.868 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

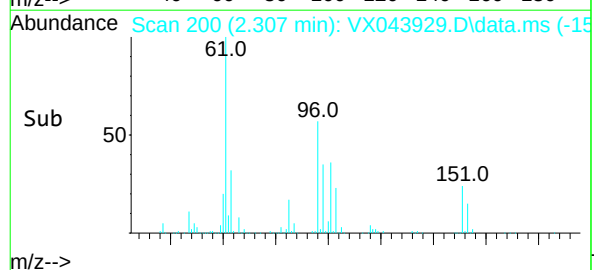
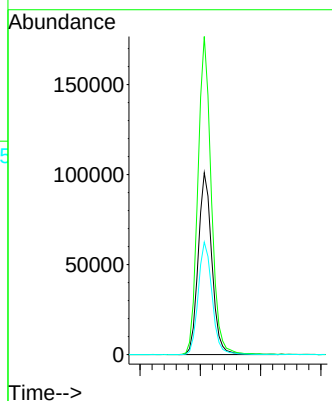
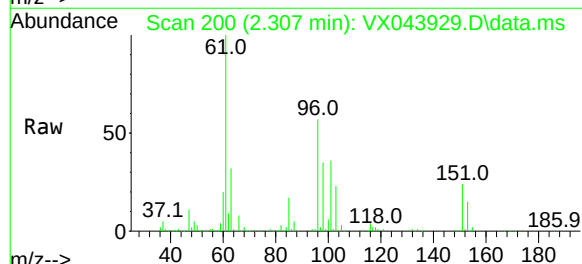
Tgt Ion: 96 Resp: 158111

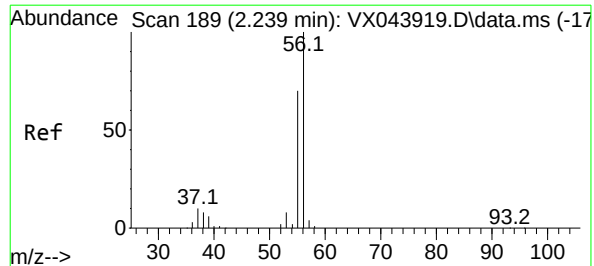
Ion Ratio Lower Upper

96 100

61 174.9 124.6 187.0

98 61.9 49.0 73.6





#13

Acrolein

Concen: 530.320 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 200929

Ion Ratio Lower Upper

56 100

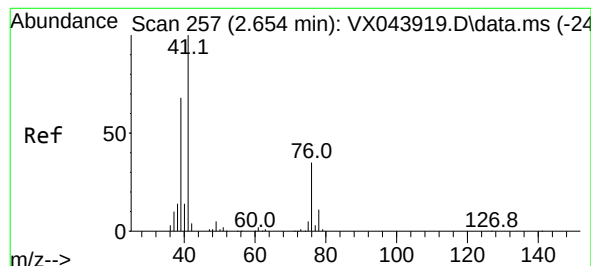
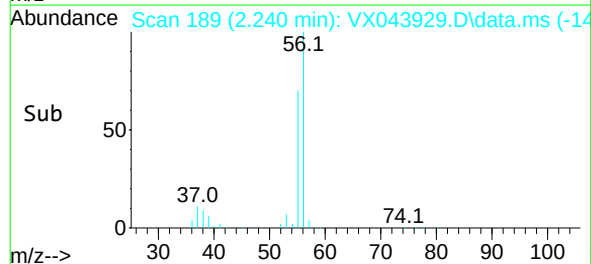
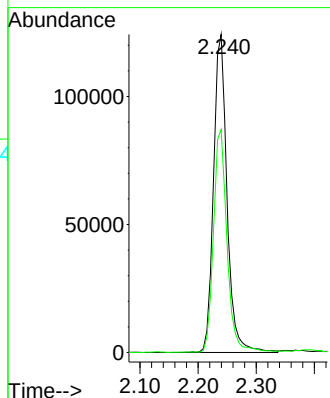
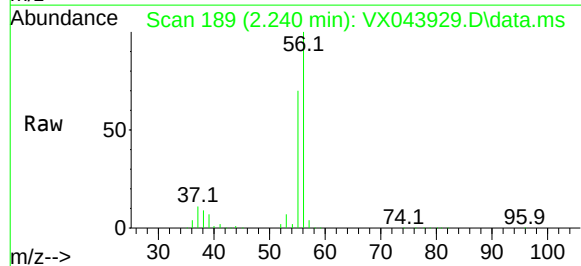
55 70.5 56.1 84.1

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 118.320 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

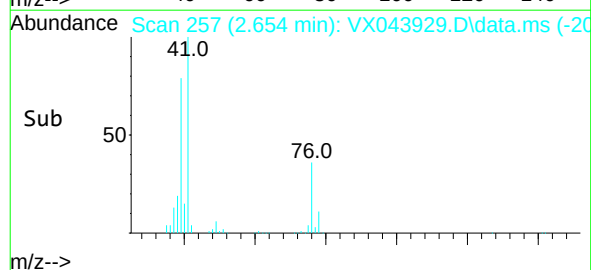
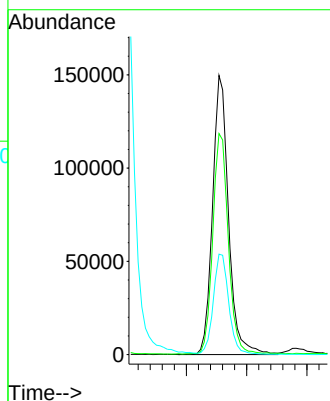
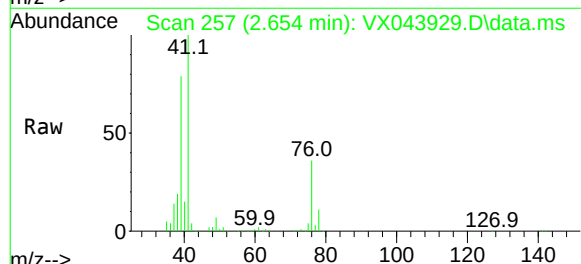
Tgt Ion: 41 Resp: 276068

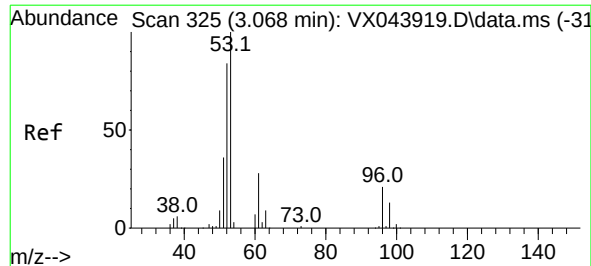
Ion Ratio Lower Upper

41 100

39 76.5 51.7 77.5

76 34.8 28.2 42.2





#15

Acrylonitrile

Concen: 527.361 ug/l

RT: 3.069 min Scan# 32

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

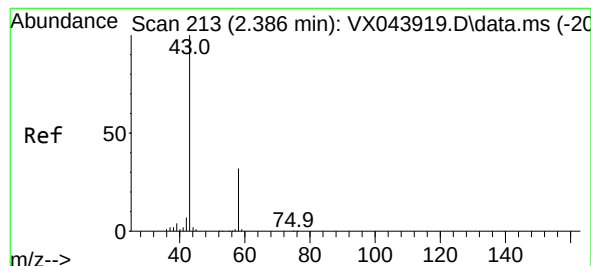
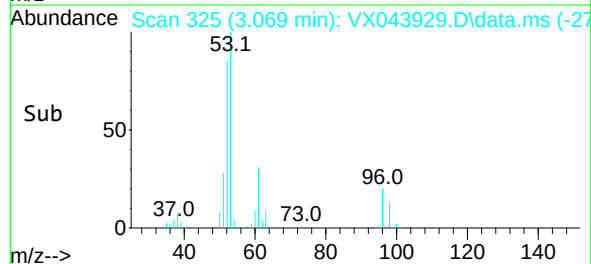
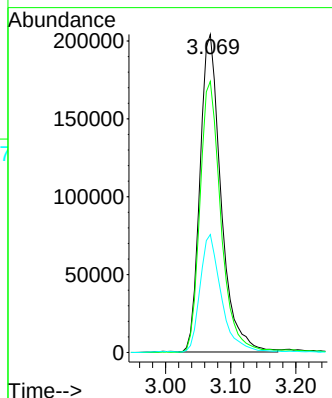
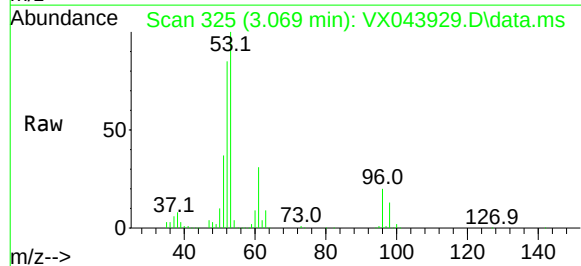
ClientSampleId :

VSTDICC100

Tgt Ion:	53	Resp:	458624
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.8	98.8
51	37.0	28.6	42.8

Manual Integrations
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Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 598.985 ug/l

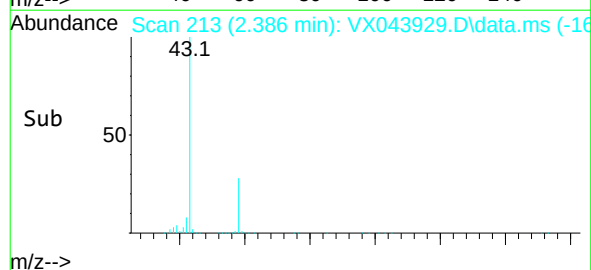
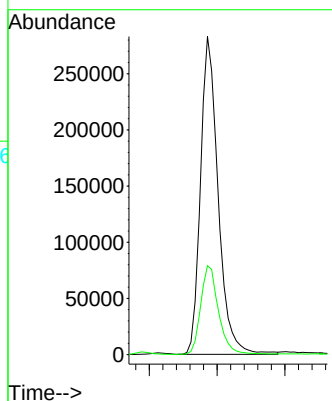
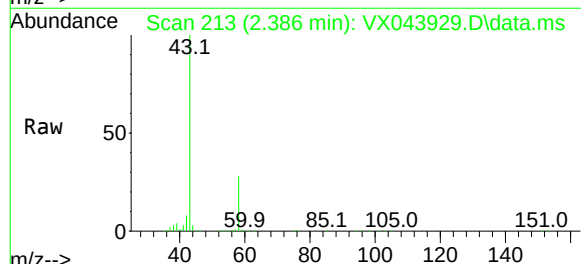
RT: 2.386 min Scan# 213

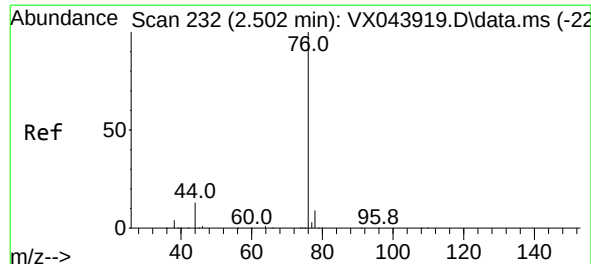
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	43	Resp:	511112
Ion	Ratio	Lower	Upper
43	100		
58	27.9	25.8	38.6





#17

Carbon Disulfide

Concen: 117.100 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 367958

Ion Ratio Lower Upper

76 100

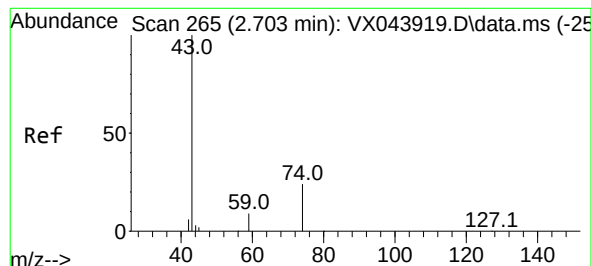
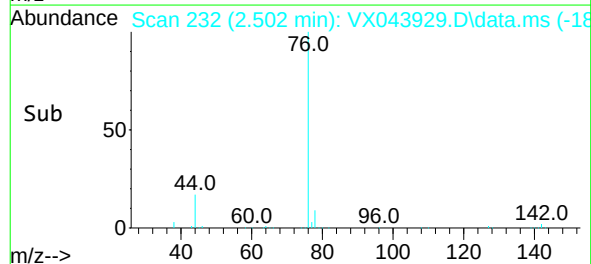
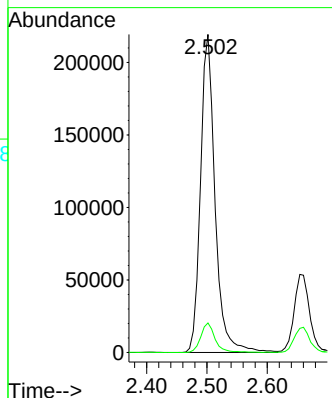
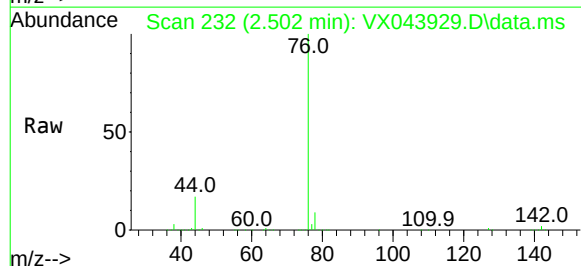
78 9.3 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 105.800 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX043929.D

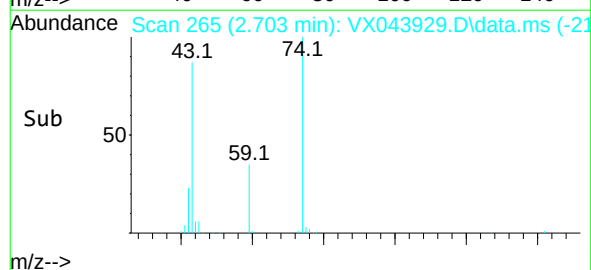
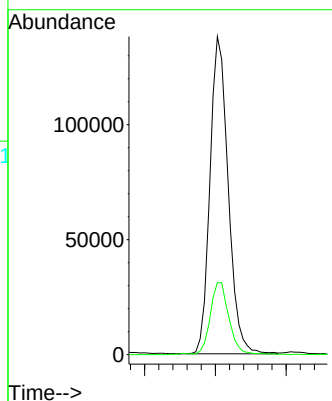
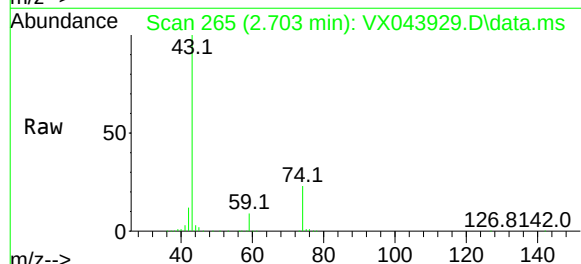
Acq: 21 Nov 2024 11:40

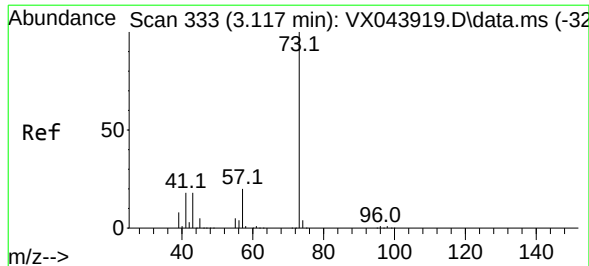
Tgt Ion: 43 Resp: 247225

Ion Ratio Lower Upper

43 100

74 23.3 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 112.347 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 597600

Ion Ratio Lower Upper

73 100

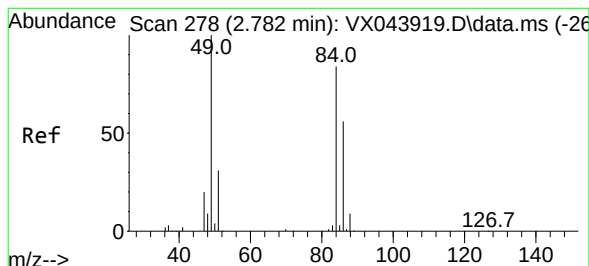
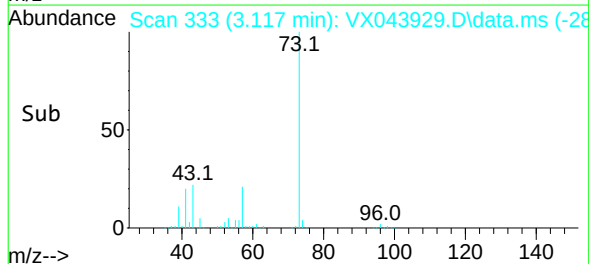
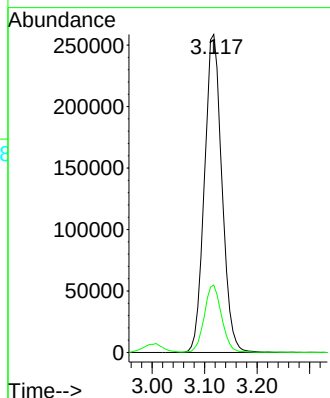
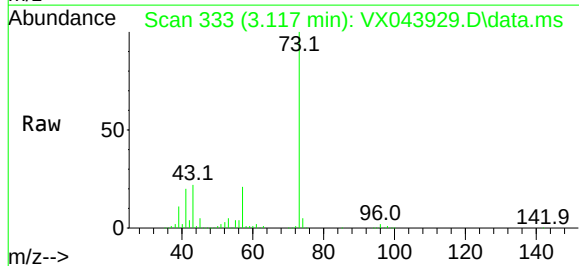
57 21.1 16.4 24.6

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 99.663 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

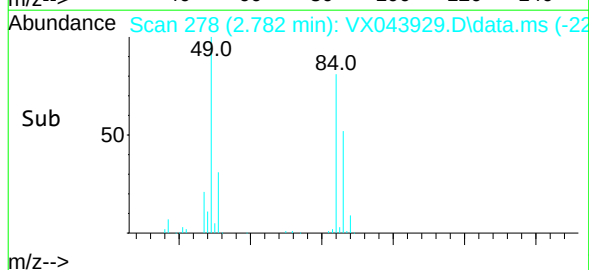
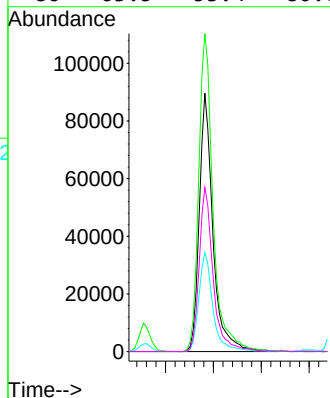
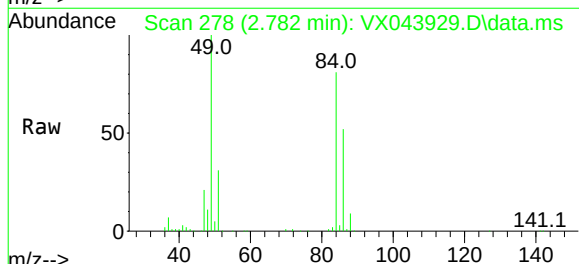
Ion Ratio Lower Upper

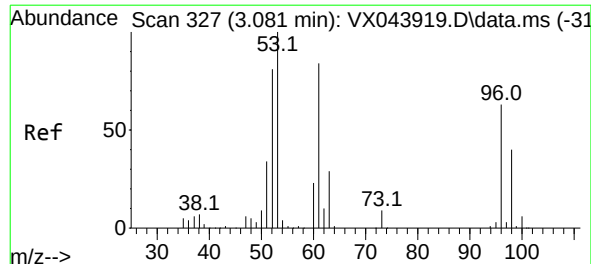
84 100

49 123.1 95.1 142.7

51 38.3 29.2 43.8

86 63.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 105.798 ug/l

RT: 3.087 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 165989

Ion Ratio Lower Upper

96 100

61 131.1 106.4 159.6

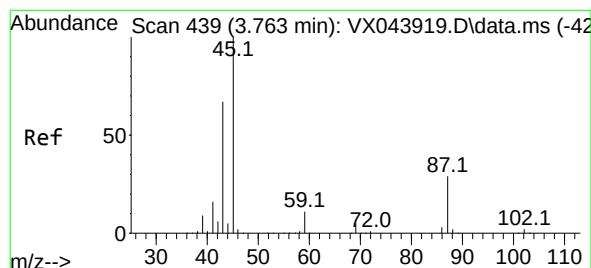
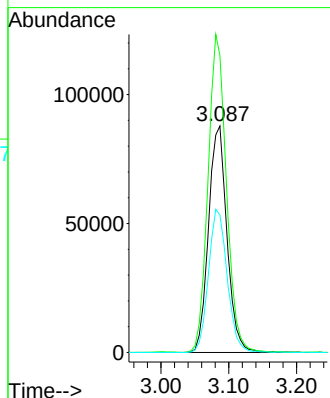
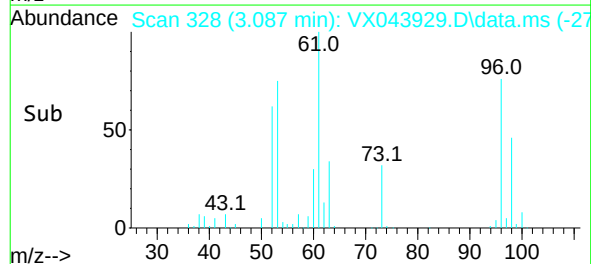
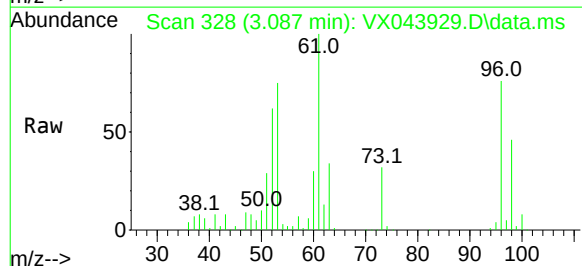
98 60.7 50.9 76.3

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 112.380 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

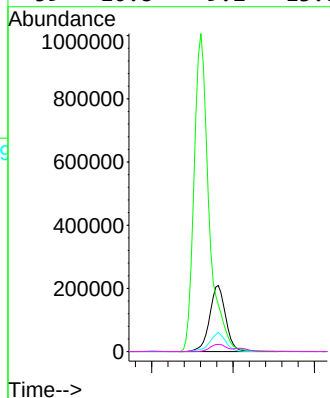
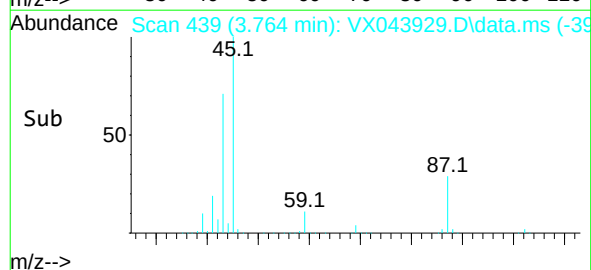
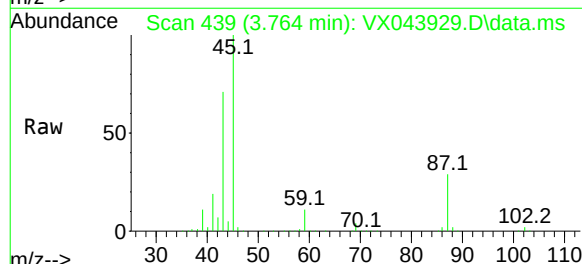
Ion Ratio Lower Upper

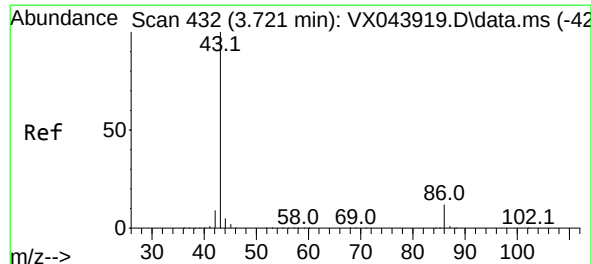
45 100

43 71.1 53.8 80.6

87 29.1 23.4 35.2

59 10.8 9.2 13.8





#23

Vinyl Acetate

Concen: 622.111 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2570419

Ion Ratio Lower Upper

43 100

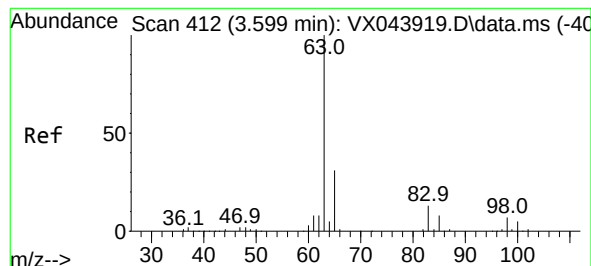
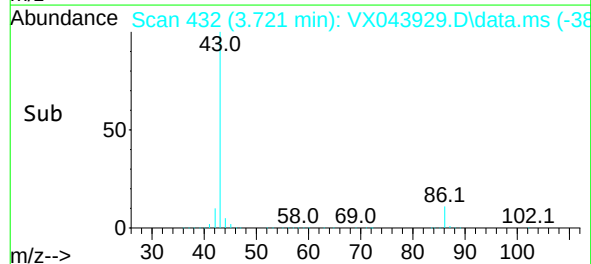
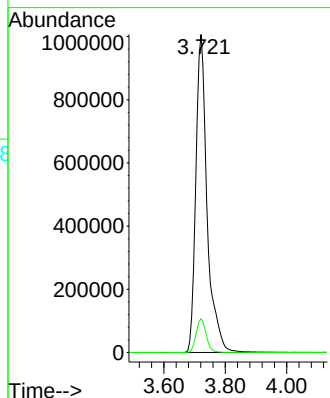
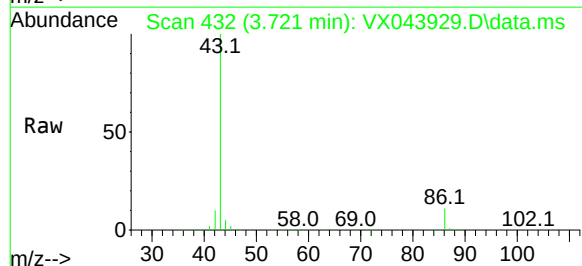
86 10.6 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 109.327 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

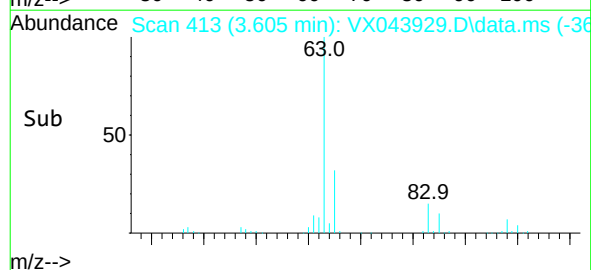
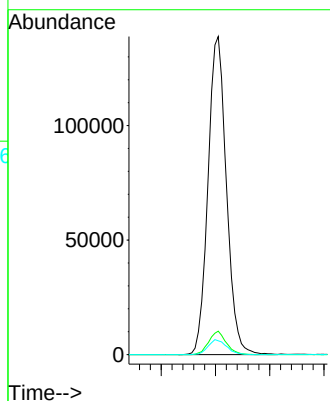
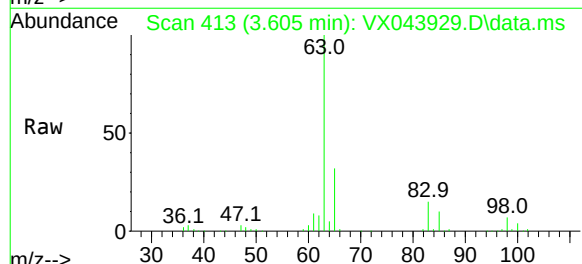
Tgt Ion: 63 Resp: 327756

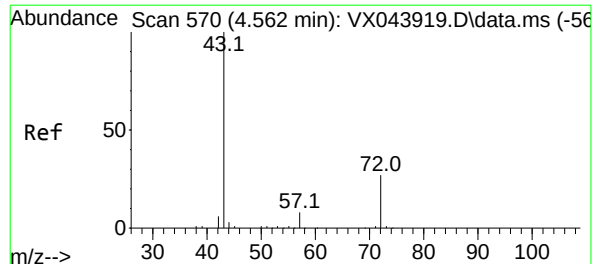
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 578.867 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 690992

Ion Ratio Lower Upper

43 100

72 25.6 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

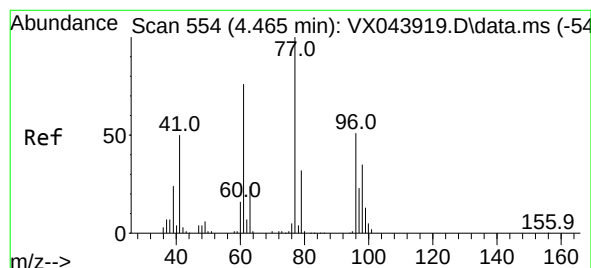
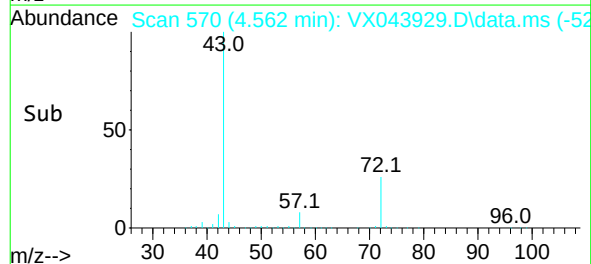
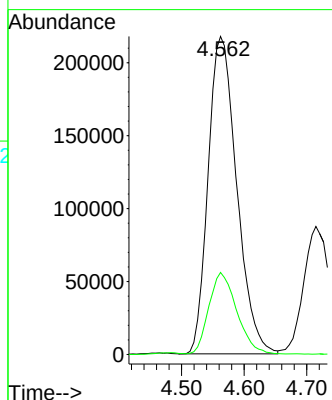
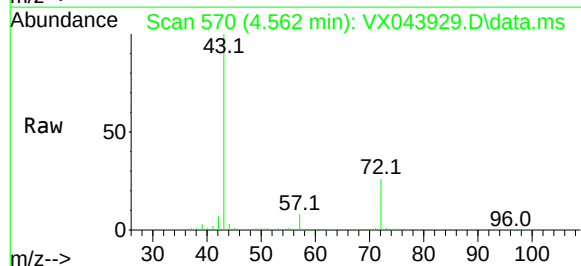
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 121.468 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043929.D

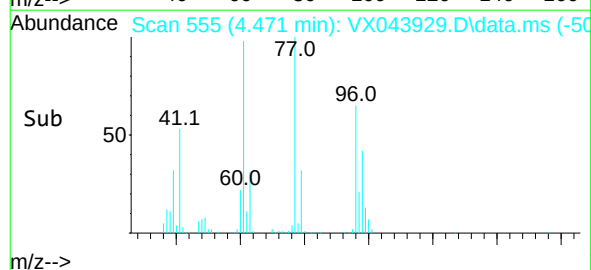
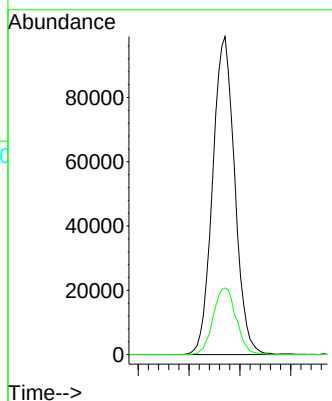
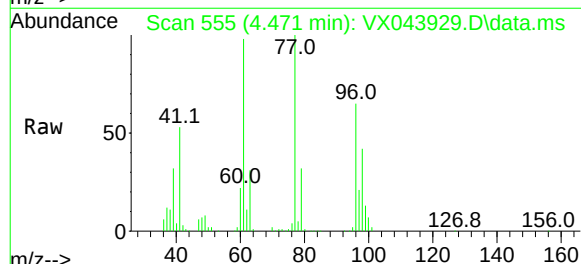
Acq: 21 Nov 2024 11:40

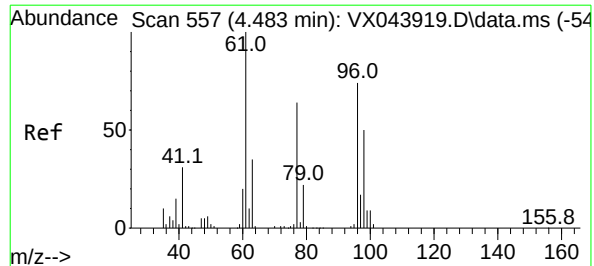
Tgt Ion: 77 Resp: 299254

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 105.613 ug/l

RT: 4.483 min Scan# 55

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 206207

Ion Ratio Lower Upper

96 100

61 150.0 0.0 279.4

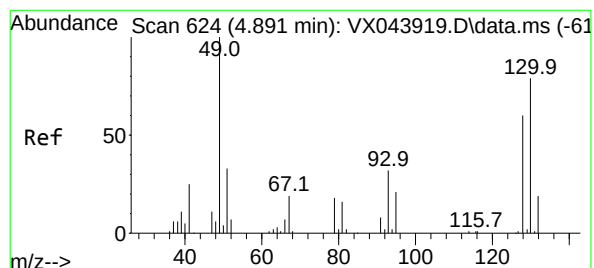
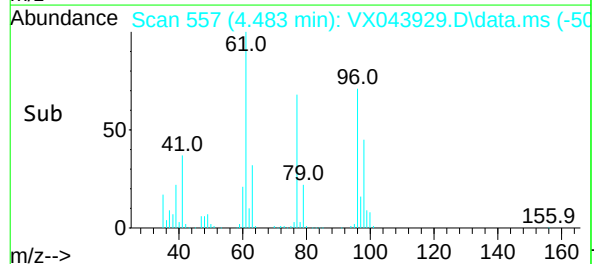
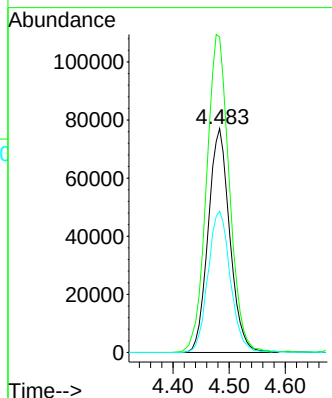
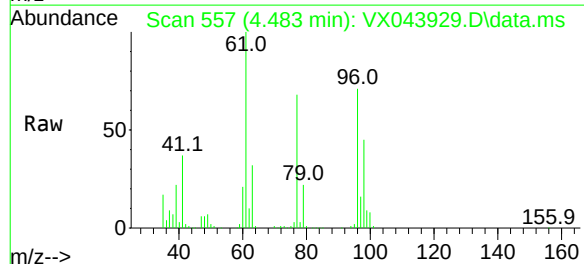
98 65.1 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 109.575 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

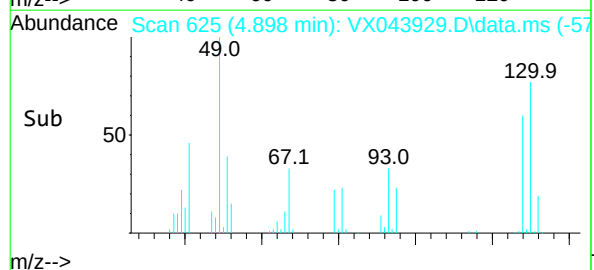
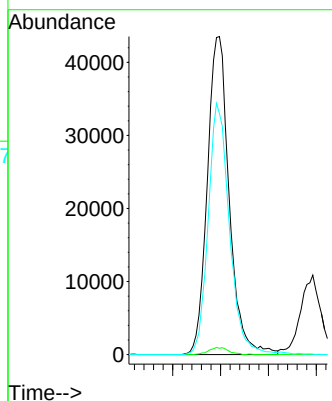
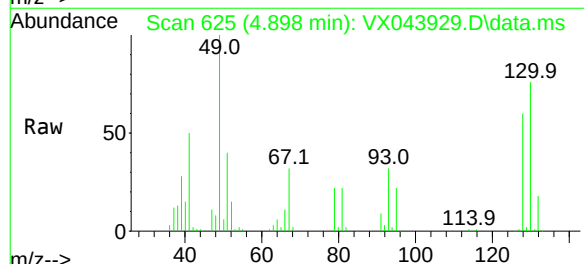
Tgt Ion: 49 Resp: 138227

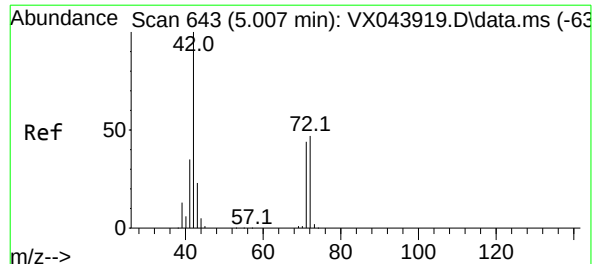
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 76.5 68.2 102.2





#29

Tetrahydrofuran

Concen: 543.649 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

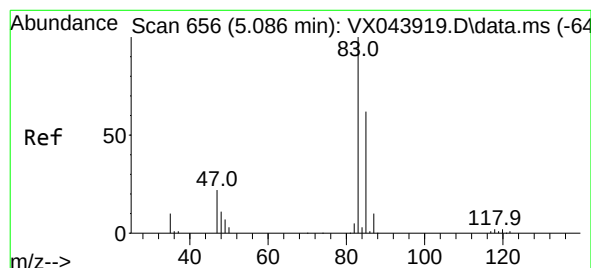
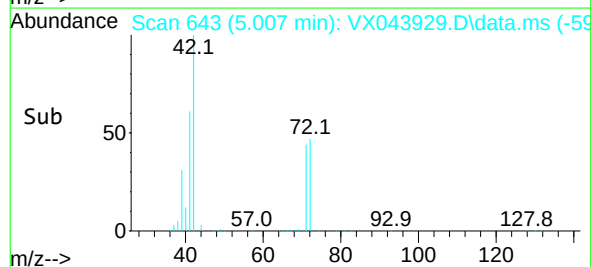
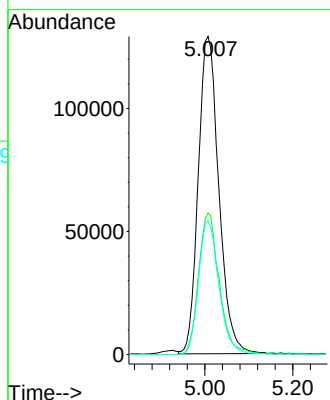
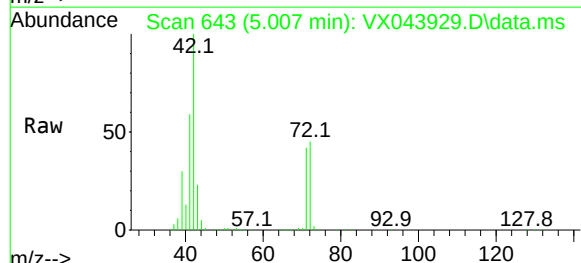
ClientSampleId :

VSTDICC100

Tgt Ion:	42	Resp:	419337
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.9	56.9
71	41.6	34.8	52.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 112.294 ug/l

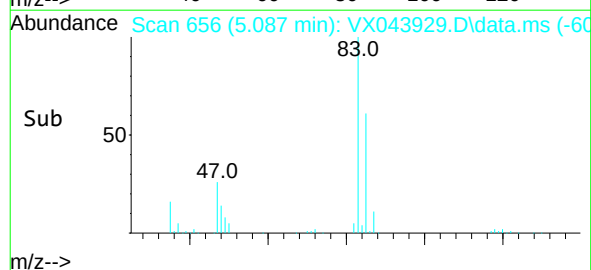
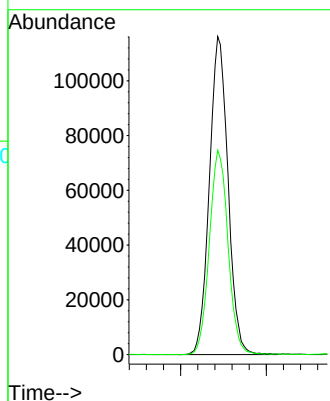
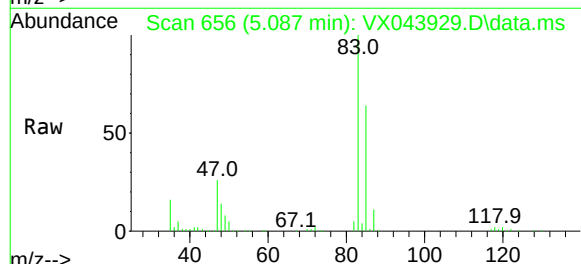
RT: 5.087 min Scan# 656

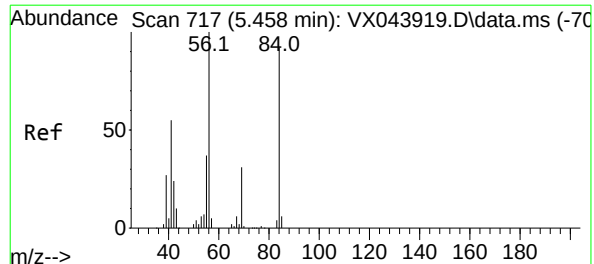
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	83	Resp:	350923
Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.7	74.5





#31

Cyclohexane

Concen: 105.404 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 256114

Ion Ratio Lower Upper

56 100

69 31.3 24.9 37.3

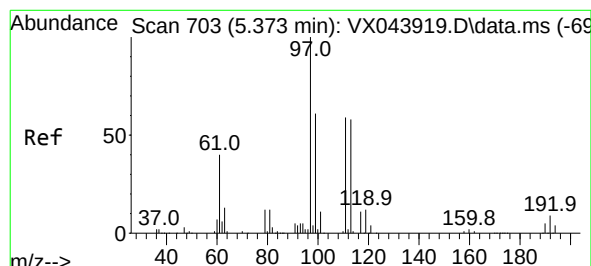
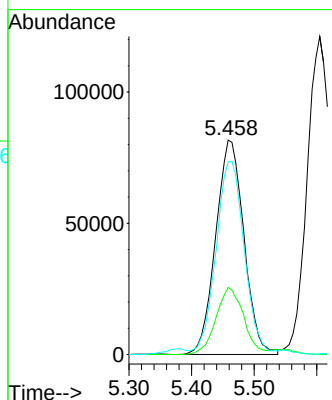
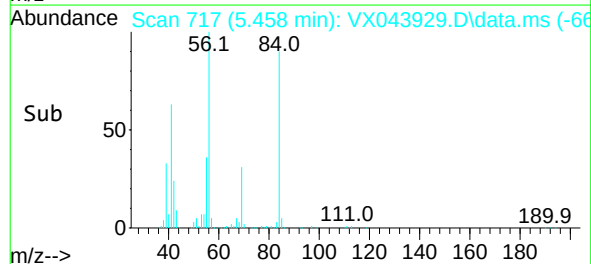
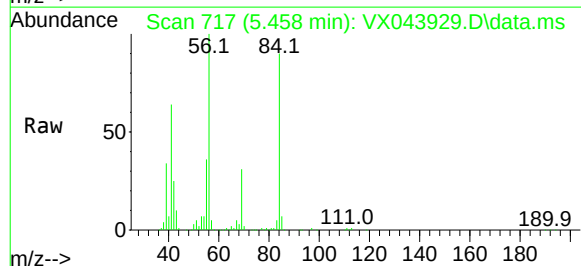
84 88.2 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 115.841 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

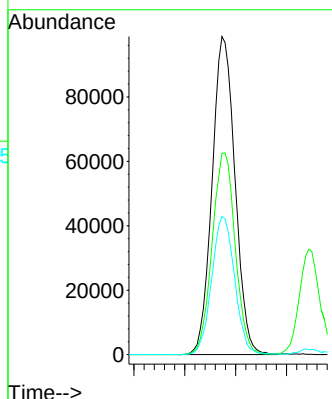
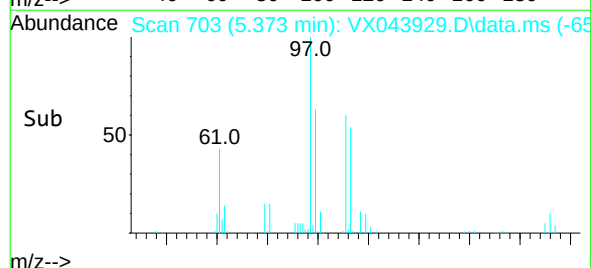
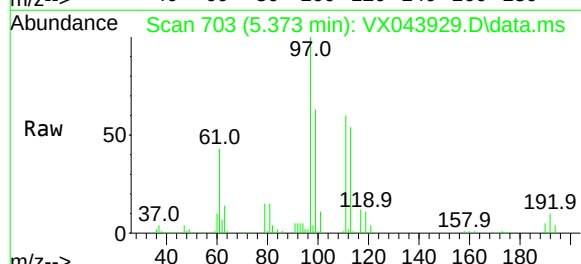
Tgt Ion: 97 Resp: 309469

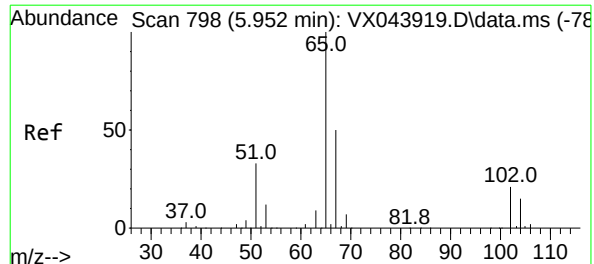
Ion Ratio Lower Upper

97 100

99 63.6 51.2 76.8

61 43.4 32.9 49.3





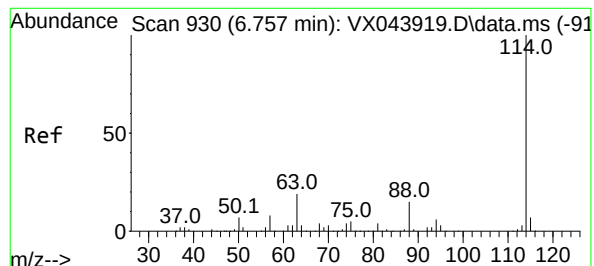
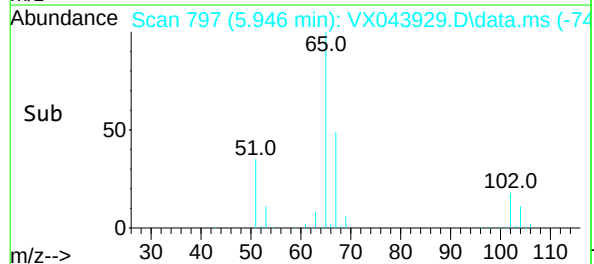
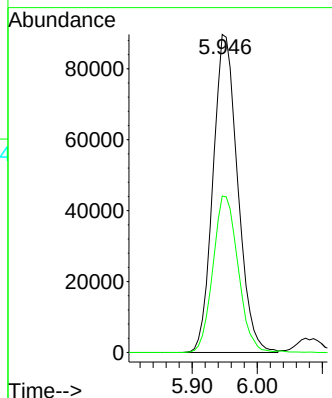
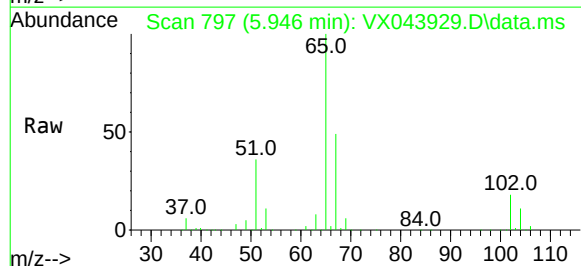
#33
1,2-Dichloroethane-d4
Concen: 111.333 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 236531
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.2

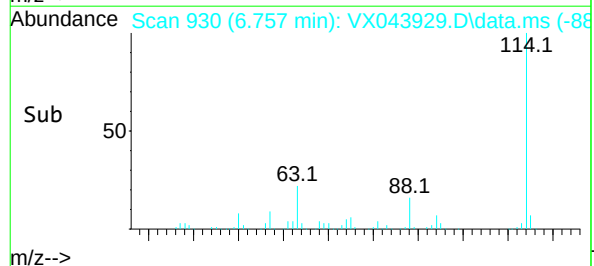
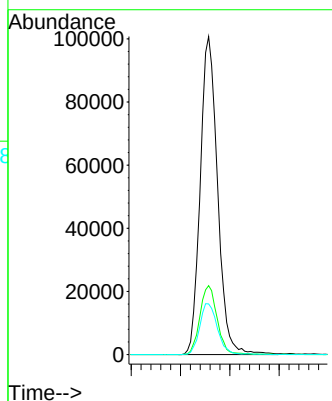
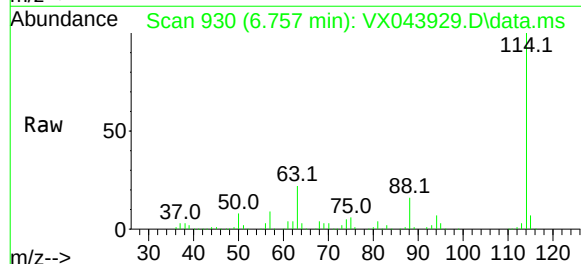
Manual Integrations
APPROVED

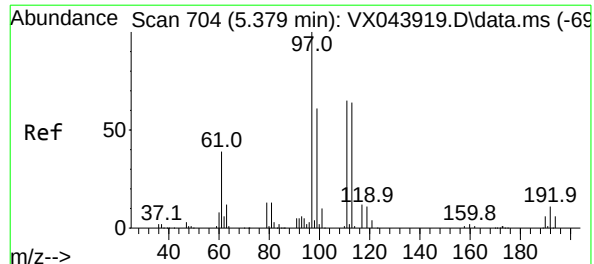
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419
Ion Ratio Lower Upper
114 100
63 21.7 0.0 39.0
88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 106.893 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 176869

Ion Ratio Lower Upper

113 100

111 104.6 81.0 121.6

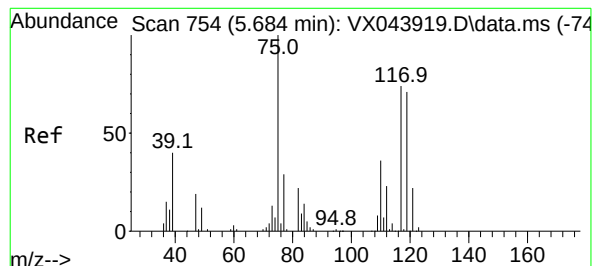
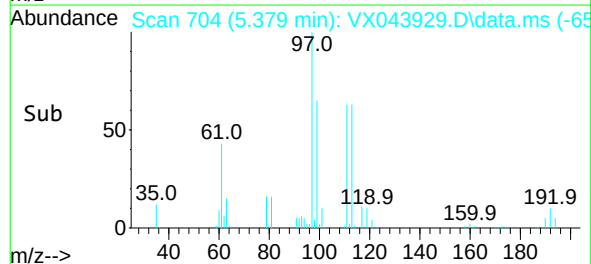
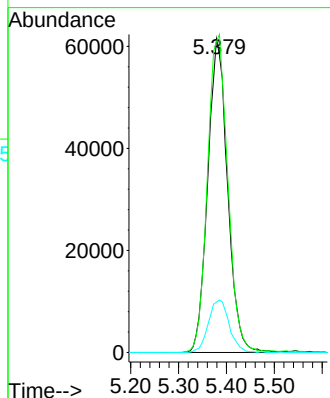
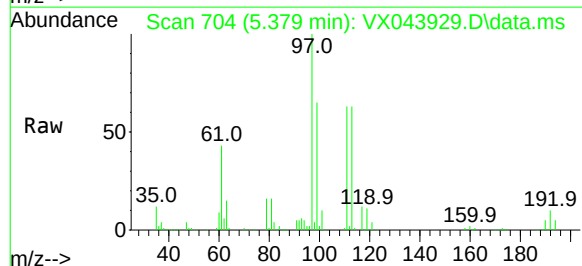
192 17.6 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 107.931 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

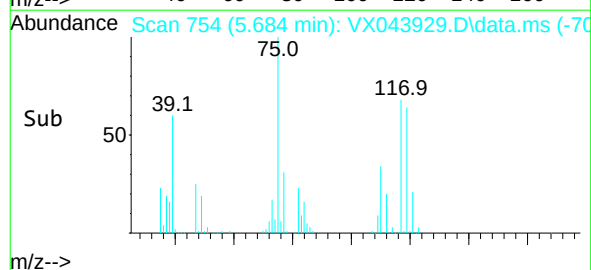
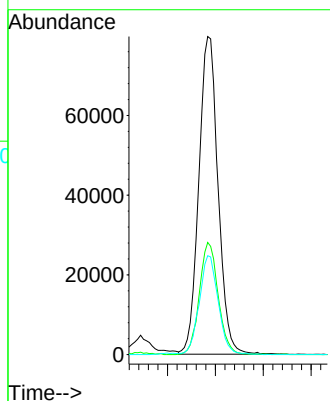
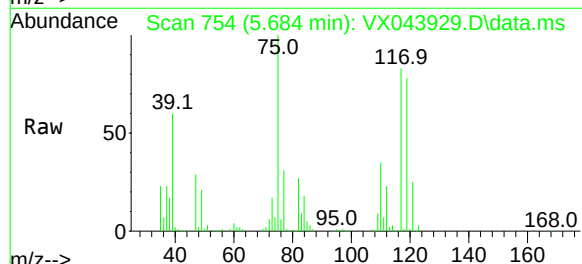
Tgt Ion: 75 Resp: 222573

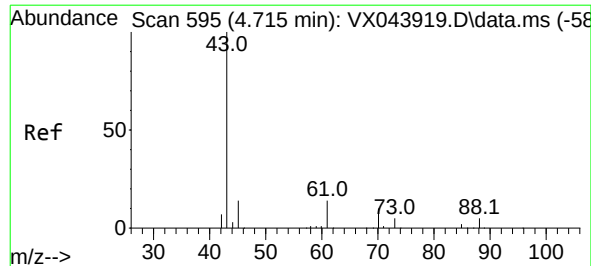
Ion Ratio Lower Upper

75 100

110 34.6 17.5 52.5

77 30.8 24.9 37.3





#37

Ethyl Acetate

Concen: 114.453 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

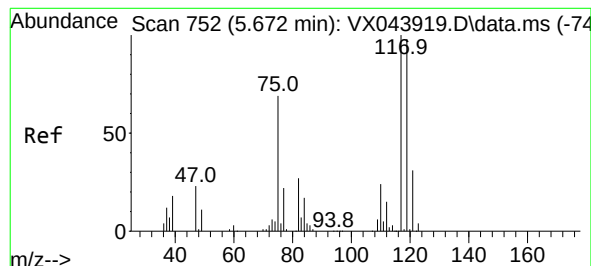
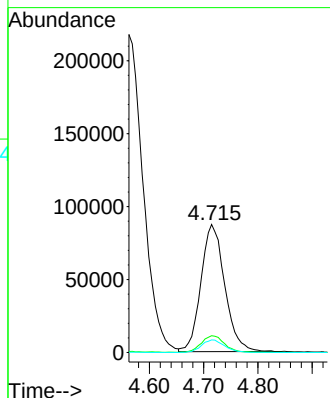
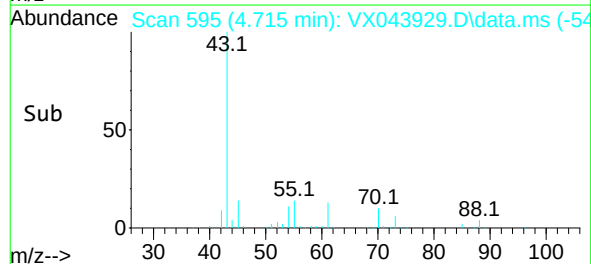
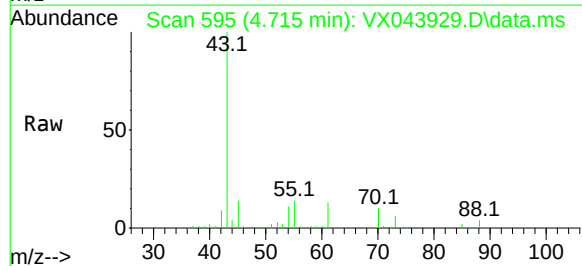
ClientSampleId :

VSTDICC100

Tgt Ion:	43	Resp:	265631
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	9.6	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 117.390 ug/l

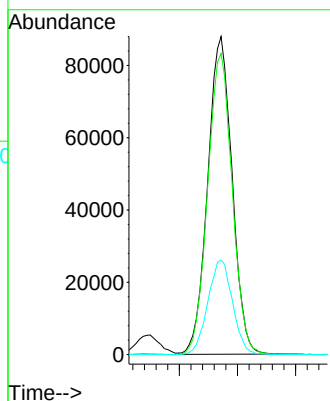
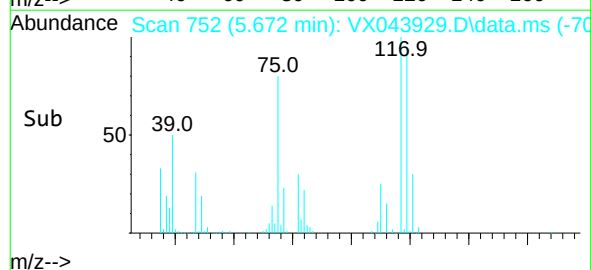
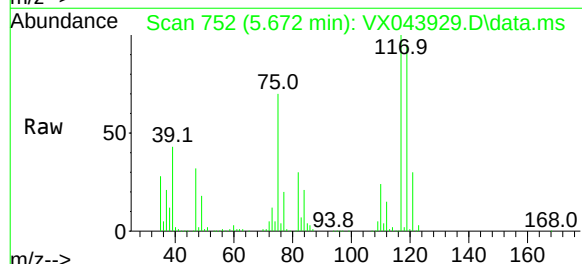
RT: 5.672 min Scan# 752

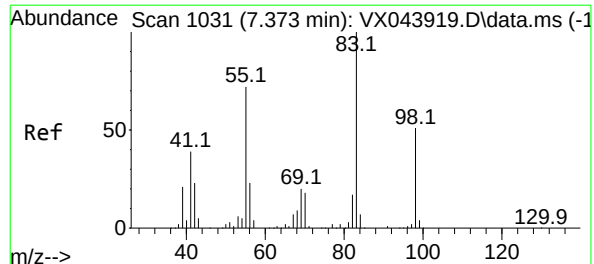
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	117	Resp:	256290
Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.3	117.5
121	29.8	25.1	37.7





#39

Methylcyclohexane

Concen: 109.652 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 283075

Ion Ratio Lower Upper

83 100

55 74.7 57.9 86.9

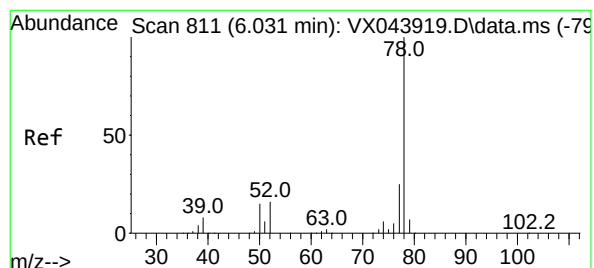
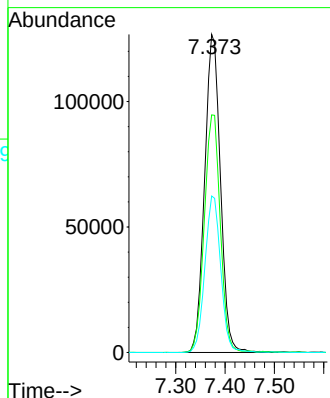
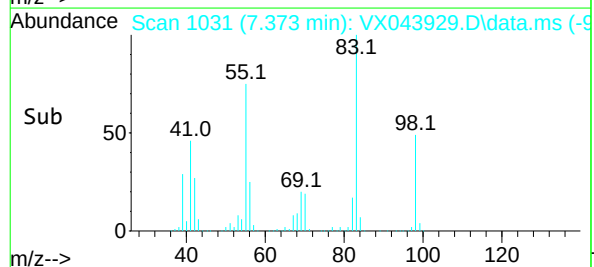
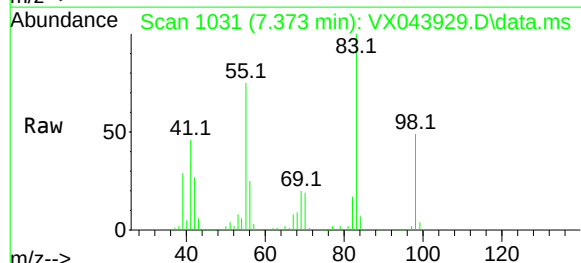
98 49.2 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 105.520 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043929.D

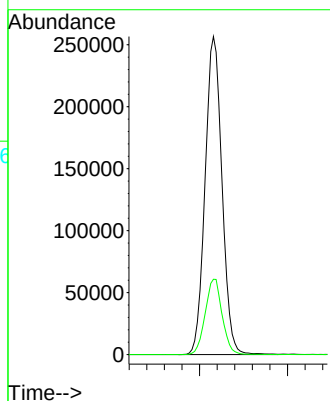
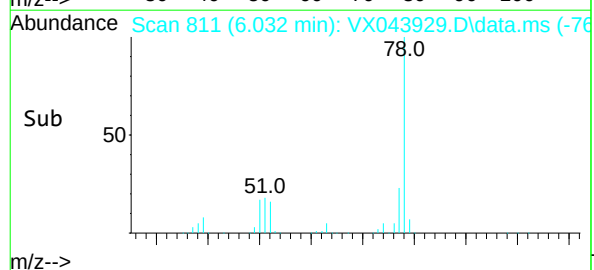
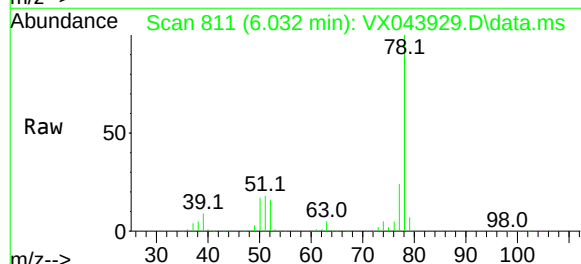
Acq: 21 Nov 2024 11:40

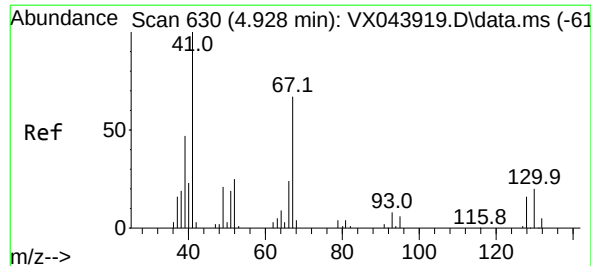
Tgt Ion: 78 Resp: 684139

Ion Ratio Lower Upper

78 100

77 23.7 19.8 29.8





#41

Methacrylonitrile

Concen: 118.447 ug/l

RT: 4.922 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 143256

Ion Ratio Lower Upper

41 100

39 56.3 41.2 61.8

67 69.3 60.3 90.5

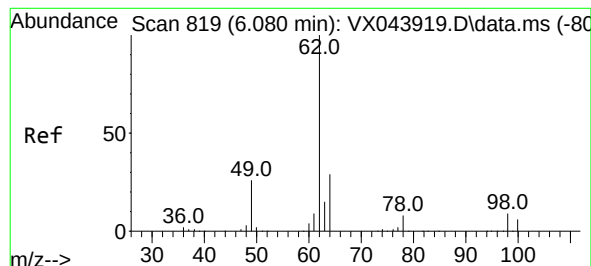
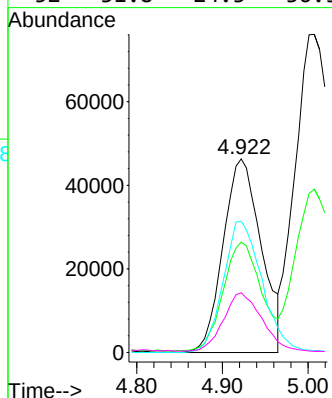
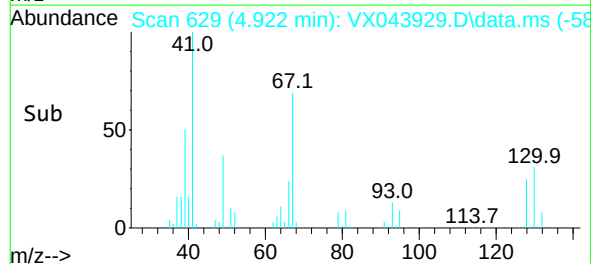
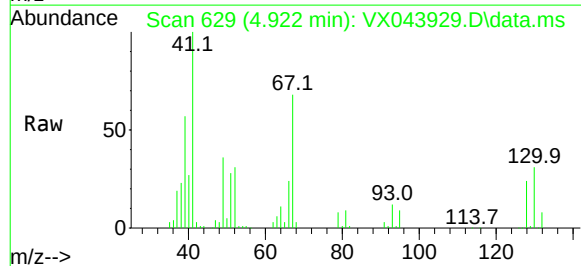
52 31.8 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 115.387 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX043929.D

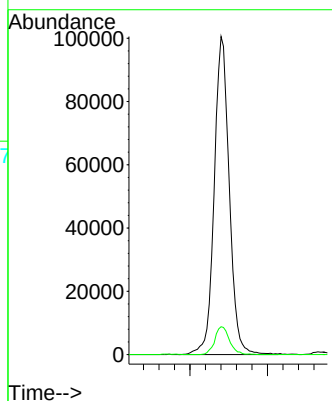
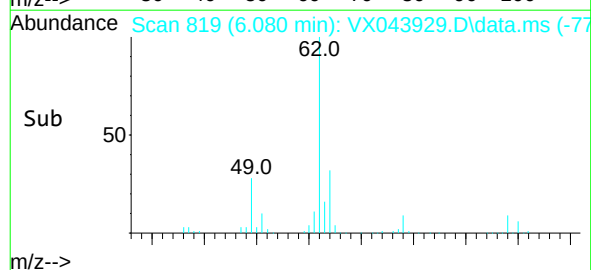
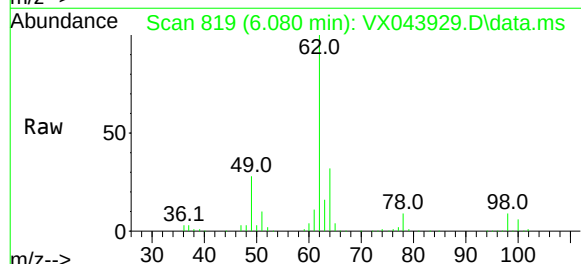
Acq: 21 Nov 2024 11:40

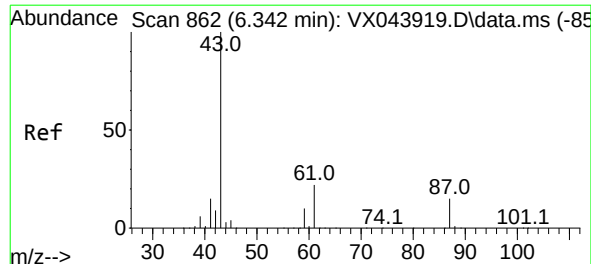
Tgt Ion: 62 Resp: 271641

Ion Ratio Lower Upper

62 100

98 8.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 120.346 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 440615

Ion Ratio Lower Upper

43 100

61 18.3 16.9 25.3

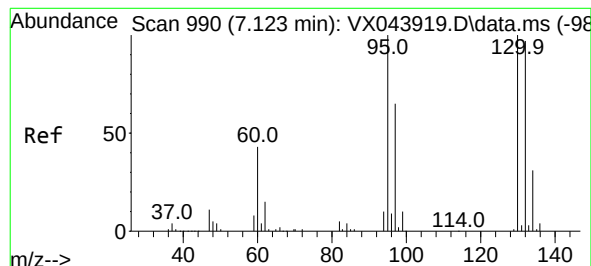
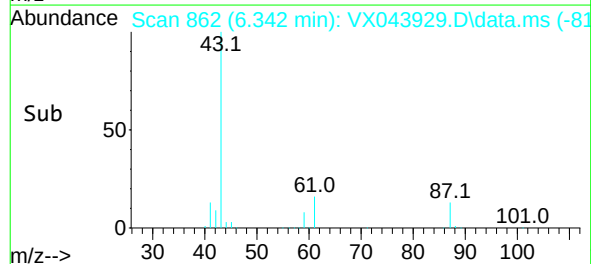
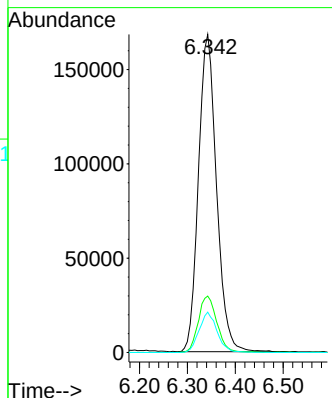
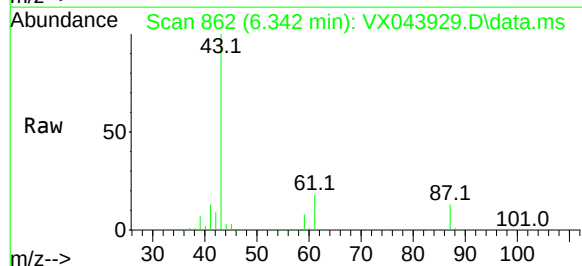
87 12.7 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 94.997 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043929.D

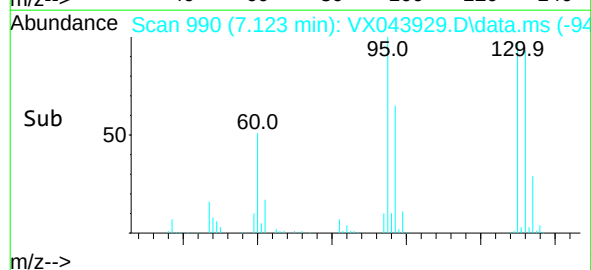
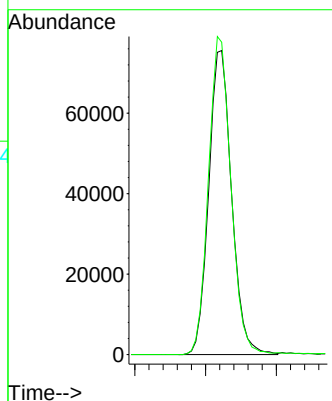
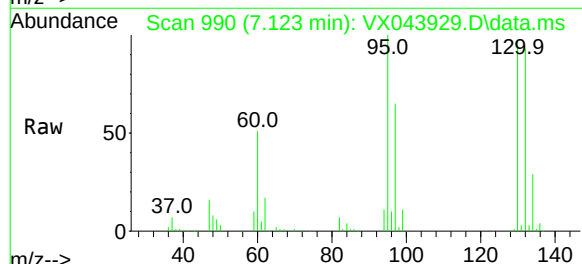
Acq: 21 Nov 2024 11:40

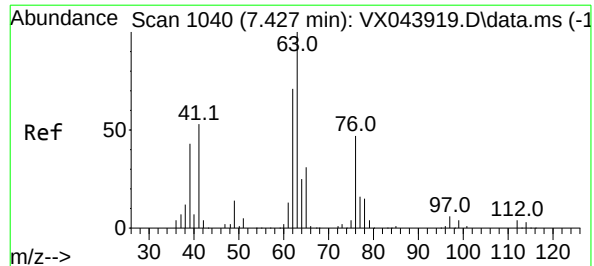
Tgt Ion:130 Resp: 169796

Ion Ratio Lower Upper

130 100

95 102.7 0.0 200.8





#45

1,2-Dichloropropane

Concen: 107.450 ug/l

RT: 7.428 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 170741

Ion Ratio Lower Upper

63 100

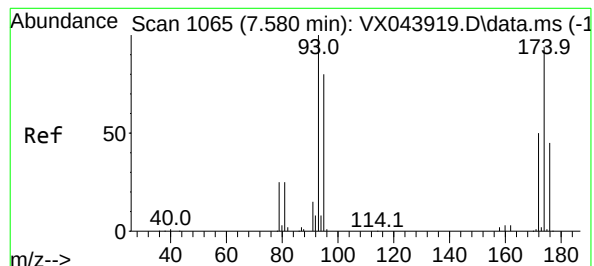
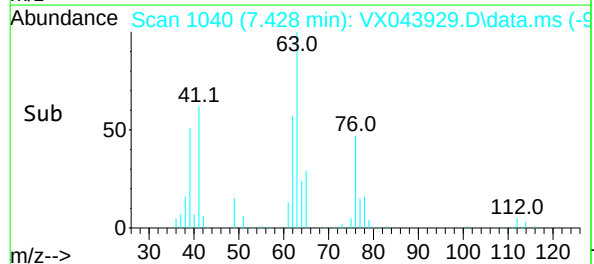
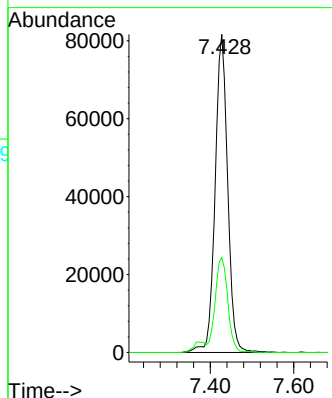
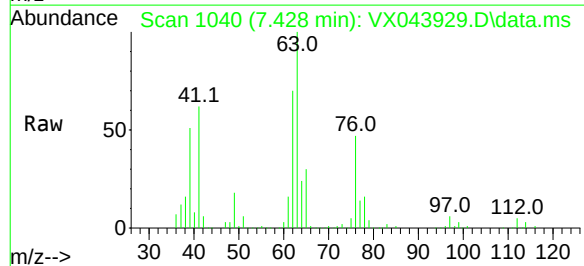
65 29.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 113.518 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

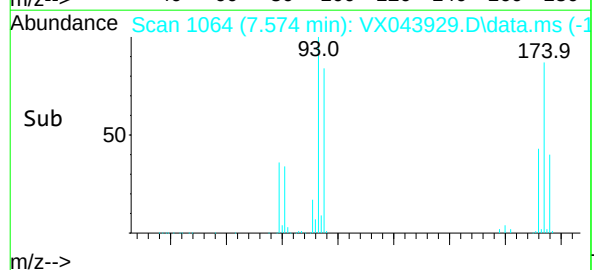
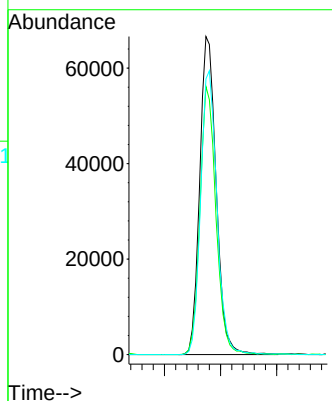
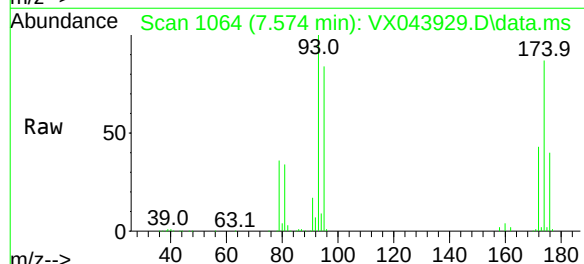
Tgt Ion: 93 Resp: 135928

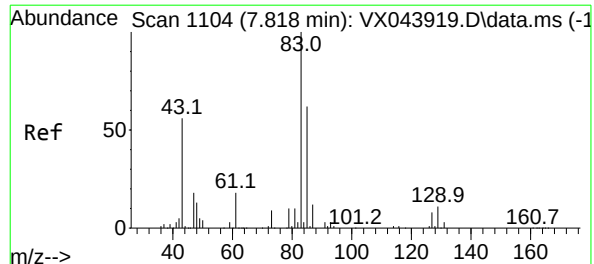
Ion Ratio Lower Upper

93 100

95 81.9 66.1 99.1

174 88.2 75.2 112.8





#47

Bromodichloromethane

Concen: 123.792 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 260442

Ion Ratio Lower Upper

83 100

85 64.5 49.4 74.0

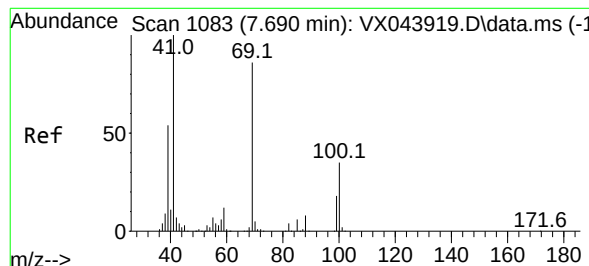
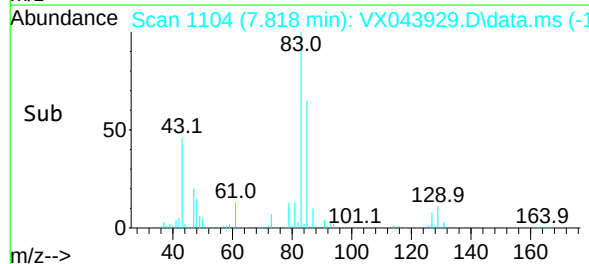
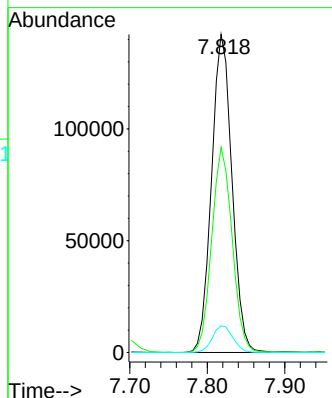
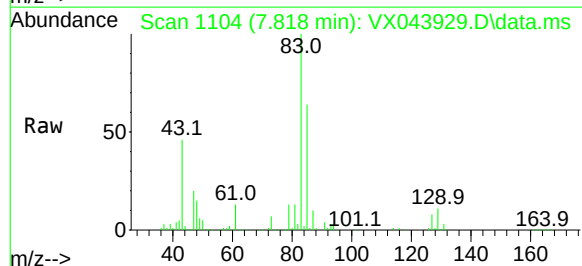
127 8.4 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 116.061 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

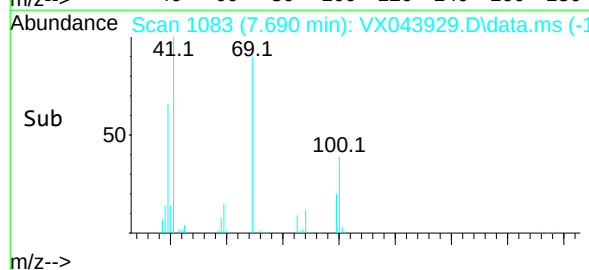
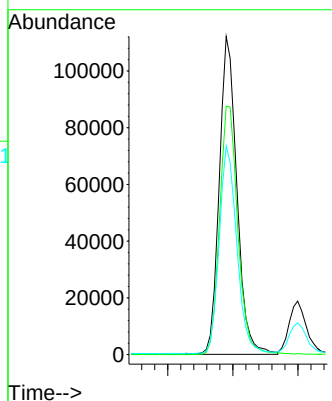
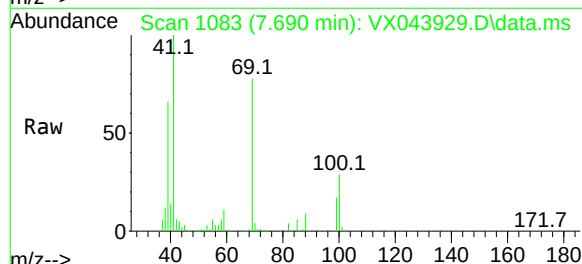
Tgt Ion: 41 Resp: 210614

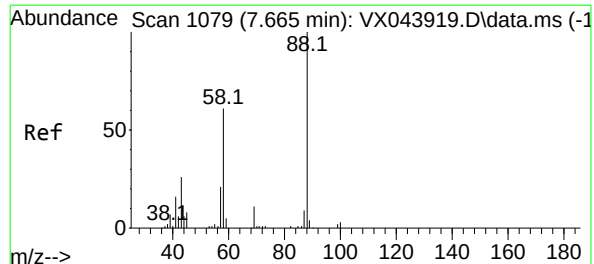
Ion Ratio Lower Upper

41 100

69 81.2 72.1 108.1

39 65.6 43.8 65.8





#49

1,4-Dioxane

Concen: 1625.913 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 62845

Ion Ratio Lower Upper

88 100

43 38.8 17.4 26.0

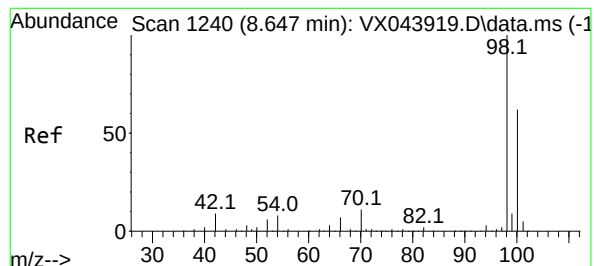
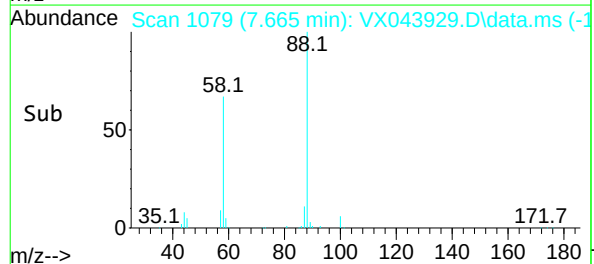
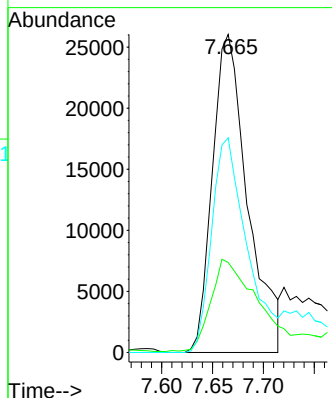
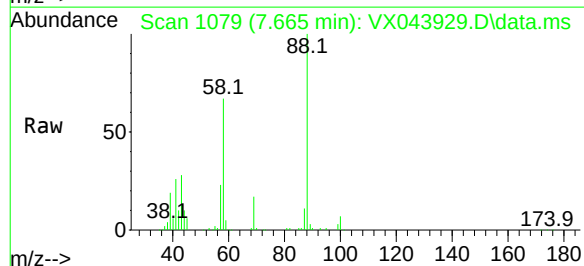
58 67.9 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 109.870 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043929.D

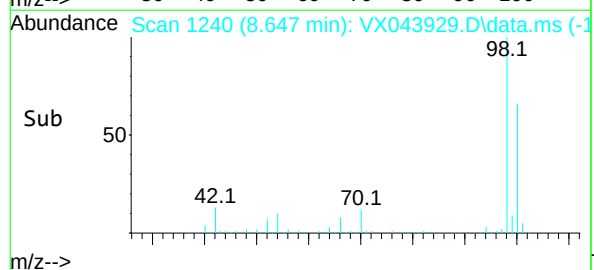
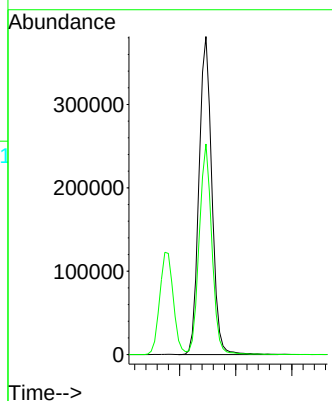
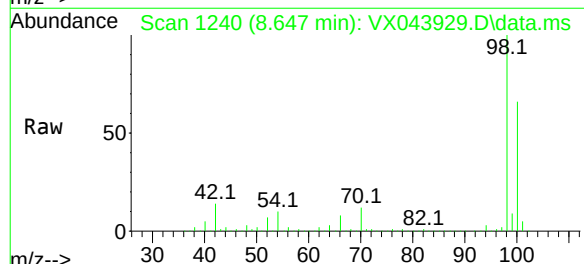
Acq: 21 Nov 2024 11:40

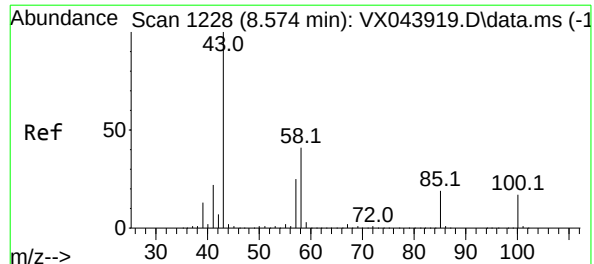
Tgt Ion: 98 Resp: 607337

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 582.189 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1329064

Ion Ratio Lower Upper

43 100

58 37.7 32.4 48.6

Instrument :

MSVOA_X

ClientSampleId :

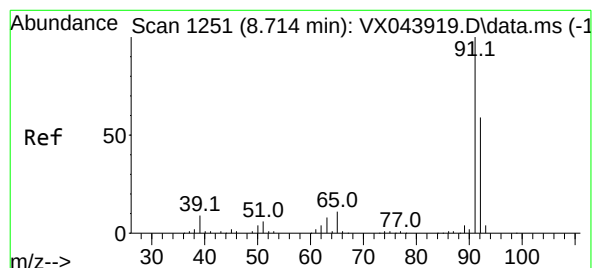
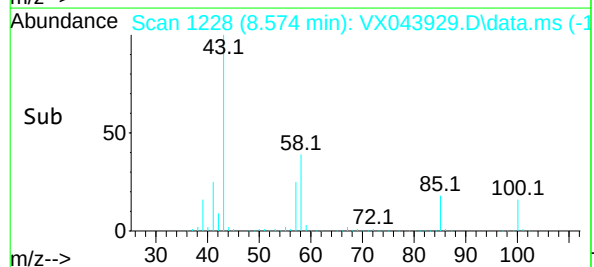
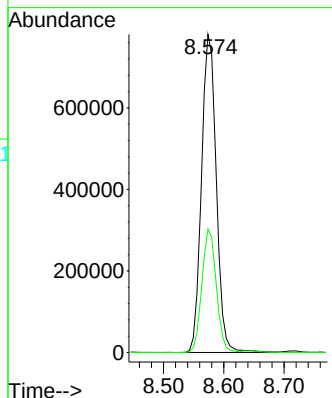
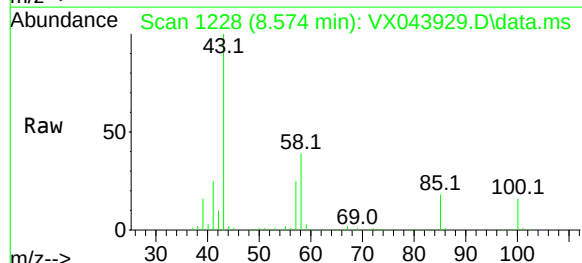
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 112.018 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043929.D

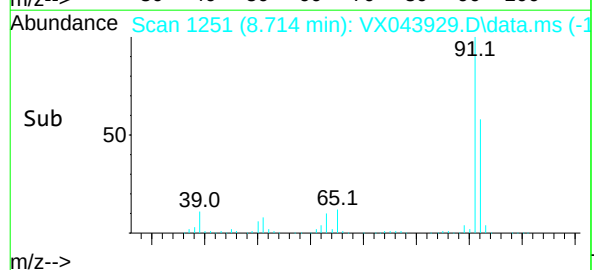
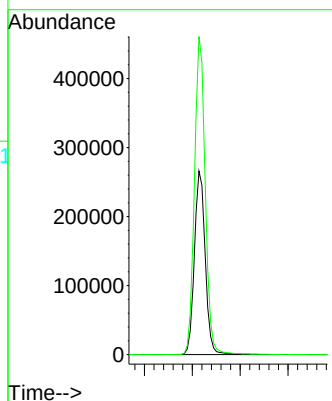
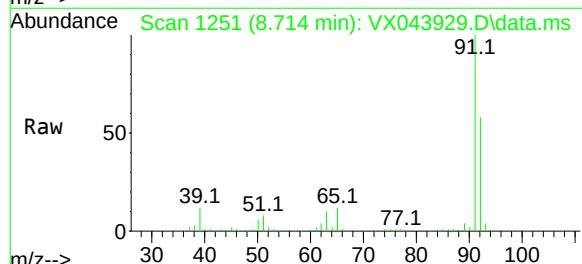
Acq: 21 Nov 2024 11:40

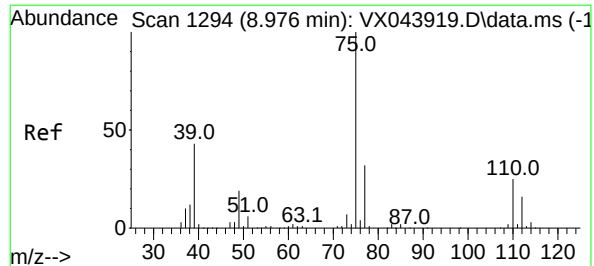
Tgt Ion: 92 Resp: 418999

Ion Ratio Lower Upper

92 100

91 172.3 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 126.680 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043929.D

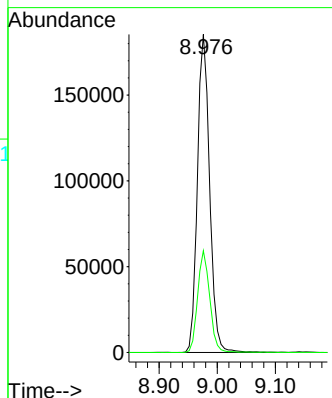
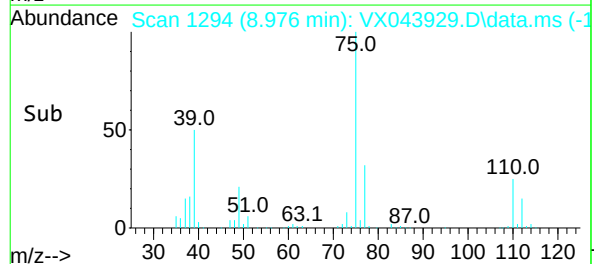
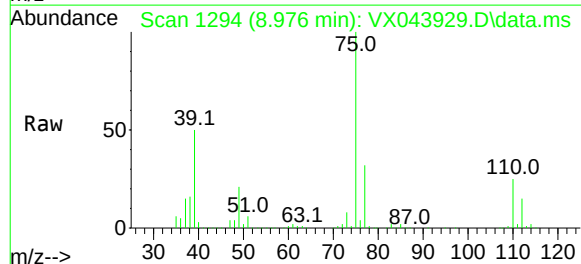
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 270418

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



Instrument :

MSVOA_X

ClientSampleId :

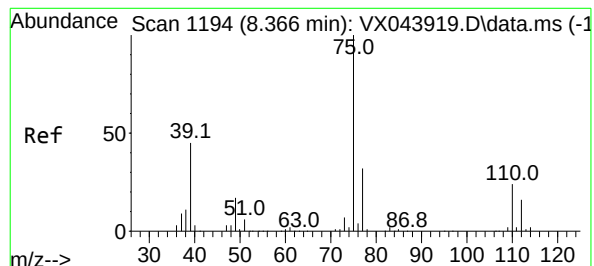
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 118.077 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

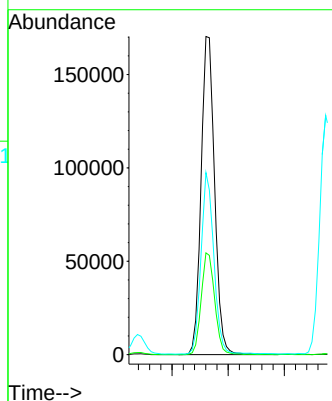
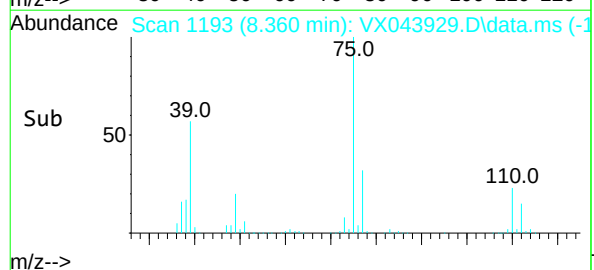
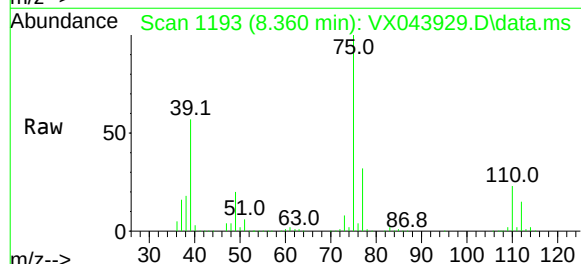
Tgt Ion: 75 Resp: 285627

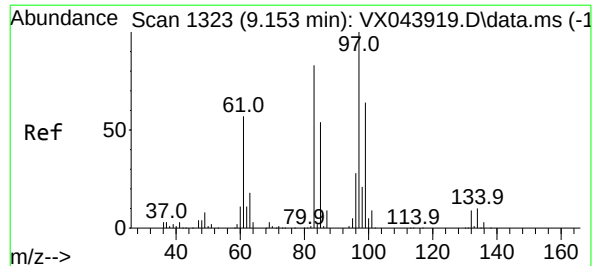
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 57.0 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 114.675 ug/l

RT: 9.147 min Scan# 13

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 167357

Ion Ratio Lower Upper

97 100

83 84.5 66.5 99.7

85 56.0 43.4 65.2

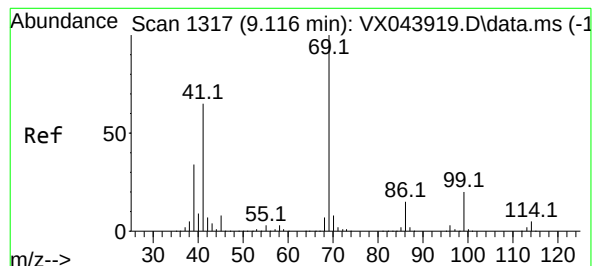
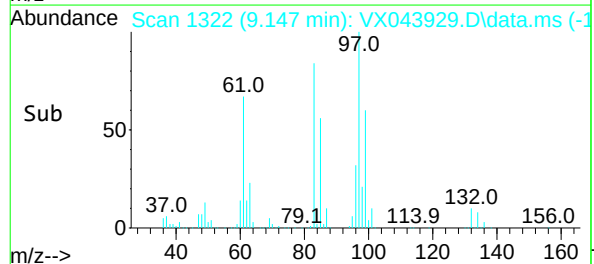
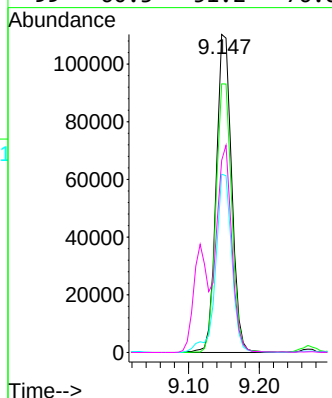
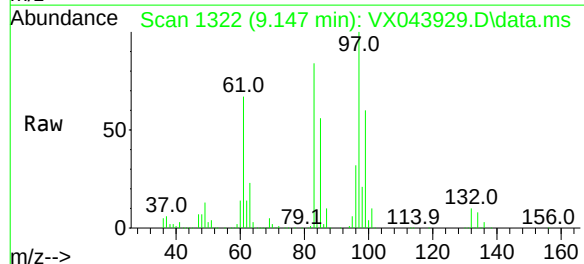
99 60.3 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 124.157 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

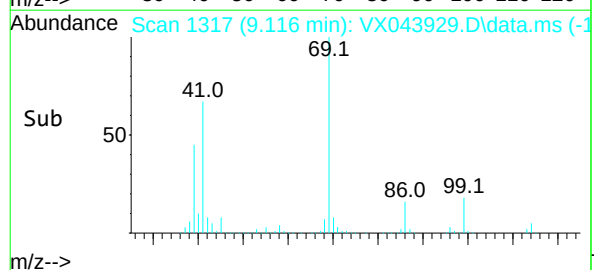
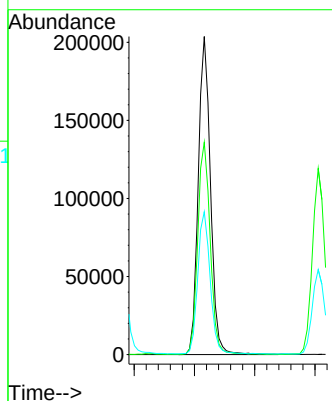
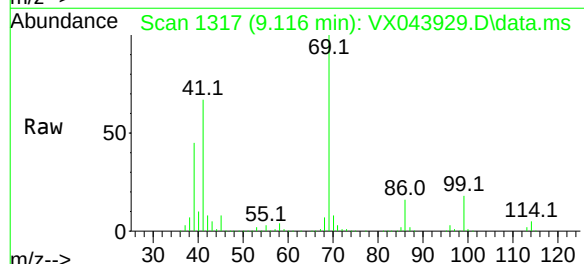
Tgt Ion: 69 Resp: 286893

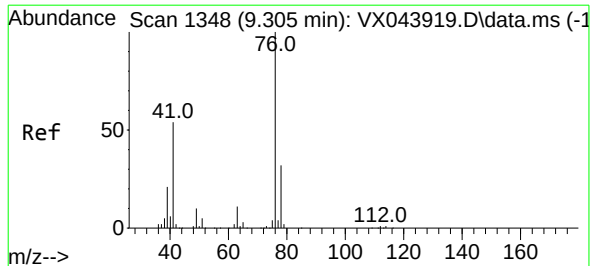
Ion Ratio Lower Upper

69 100

41 68.0 51.7 77.5

39 45.3 26.8 40.2#





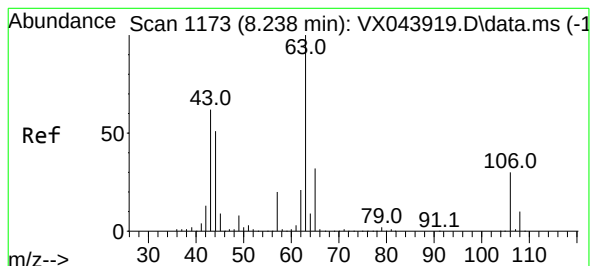
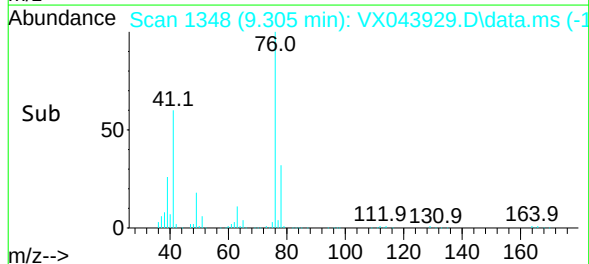
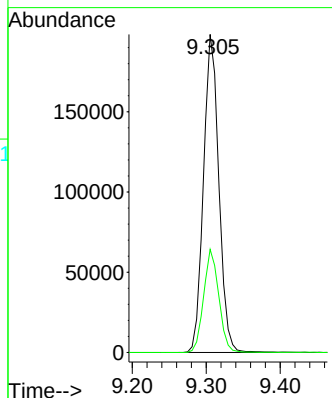
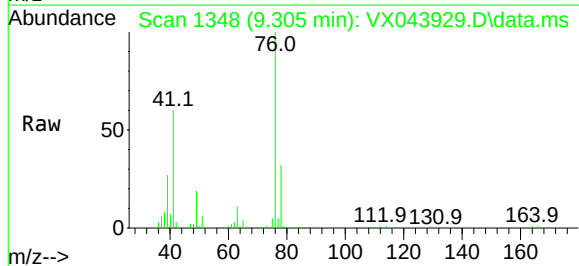
#57
1,3-Dichloropropane
Concen: 116.773 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 285511
Ion Ratio Lower Upper
76 100
78 32.1 25.9 38.9

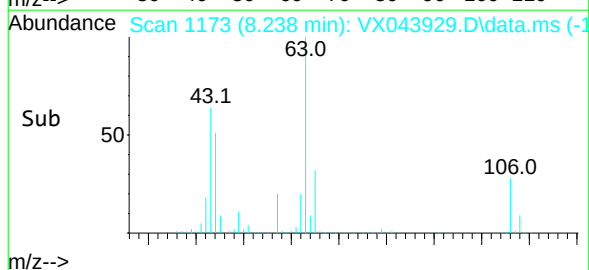
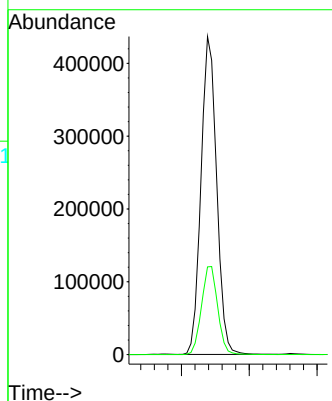
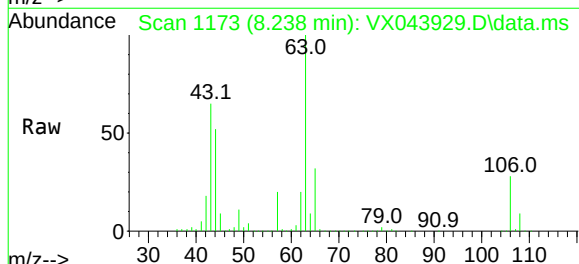
Manual Integrations
APPROVED

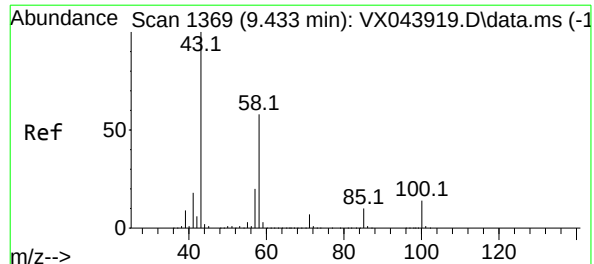
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#58
2-Chloroethyl Vinyl ether
Concen: 576.637 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756
Ion Ratio Lower Upper
63 100
106 28.6 23.8 35.6





#59

2-Hexanone

Concen: 627.842 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1011261

Ion Ratio Lower Upper

43 100

58 52.7 28.3 84.9

Instrument :

MSVOA_X

ClientSampleId :

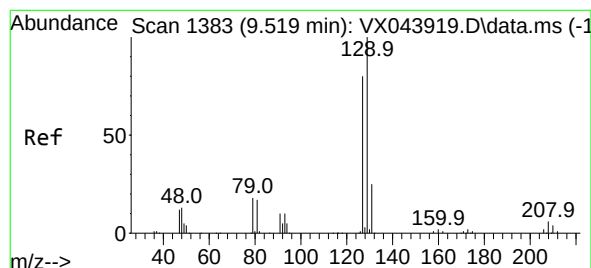
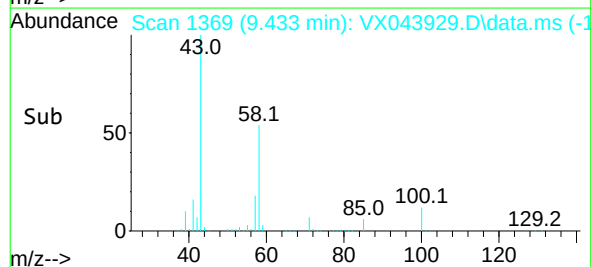
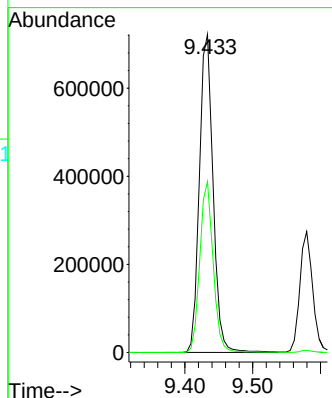
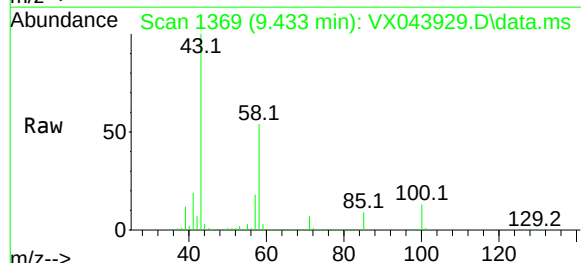
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 131.832 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043929.D

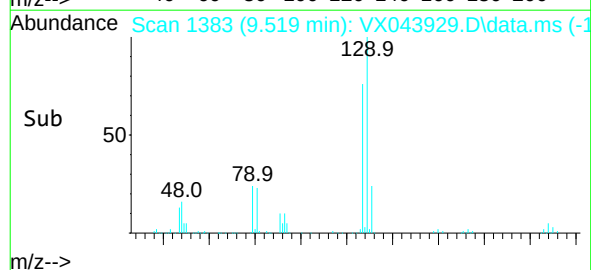
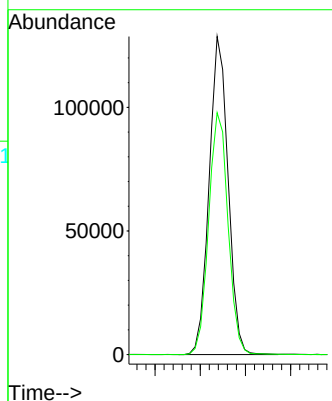
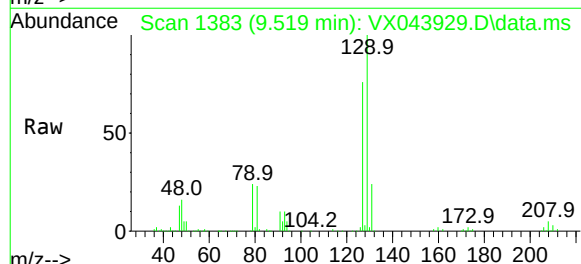
Acq: 21 Nov 2024 11:40

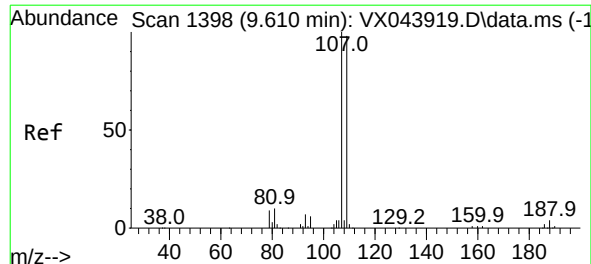
Tgt Ion:129 Resp: 187476

Ion Ratio Lower Upper

129 100

127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 115.841 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:107 Resp: 176345

Ion Ratio Lower Upper

107 100

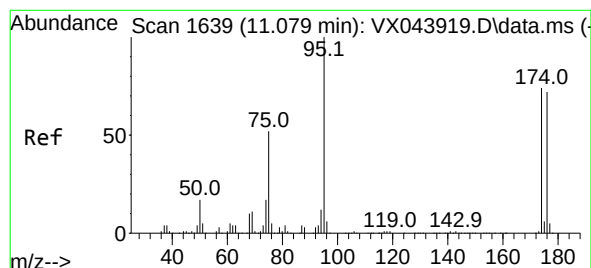
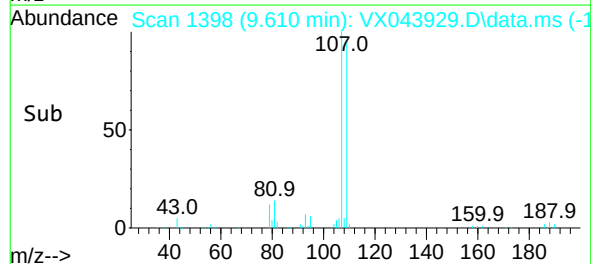
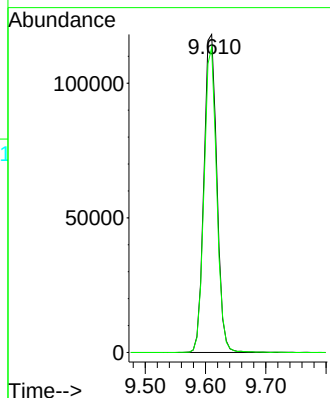
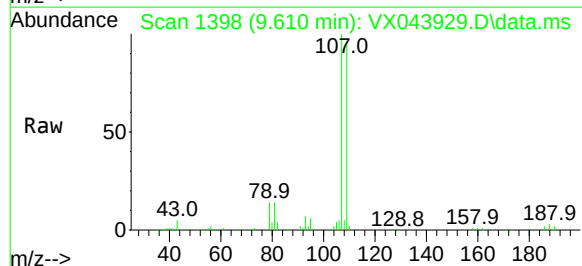
109 93.9 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 118.228 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

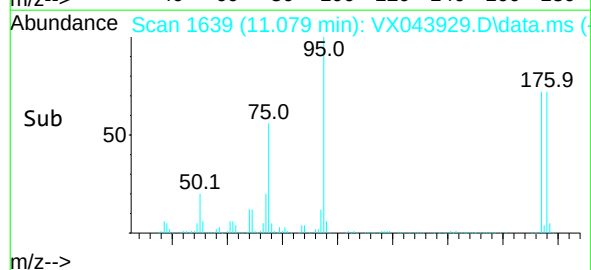
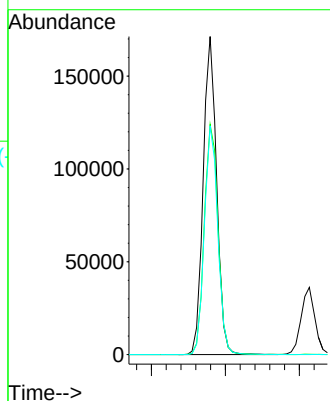
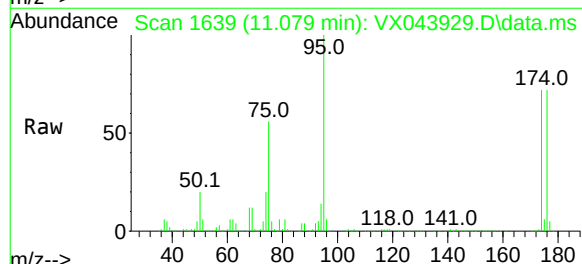
Tgt Ion: 95 Resp: 215953

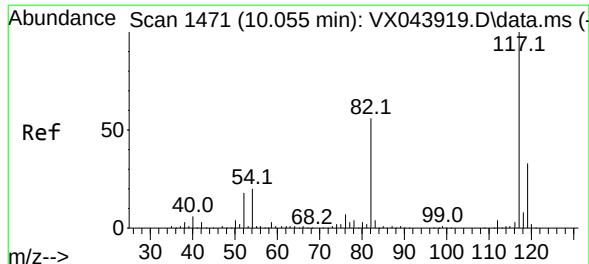
Ion Ratio Lower Upper

95 100

174 74.1 0.0 152.2

176 71.8 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

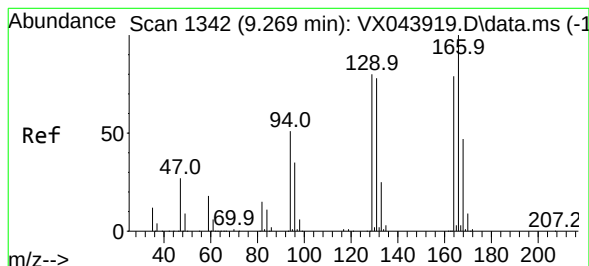
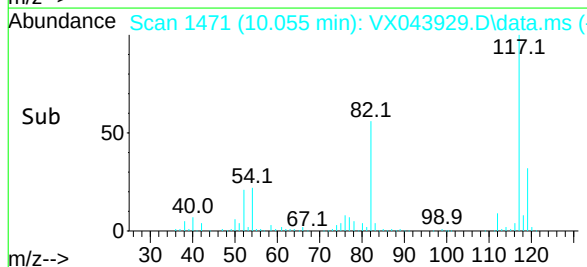
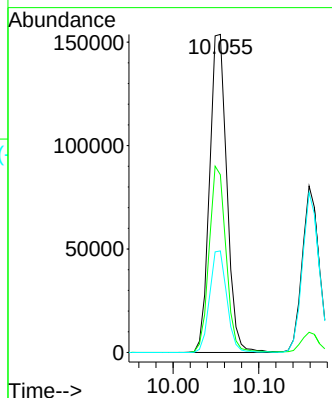
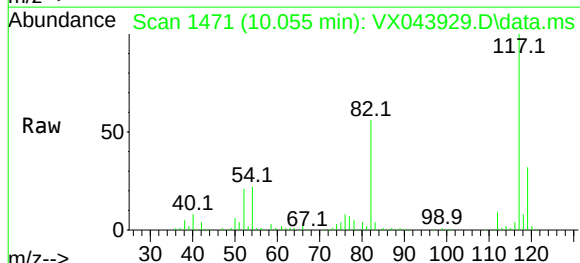
VSTDICC100

Tgt Ion:	117	Resp:	215595
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.9	26.5	39.7

**Manual Integrations
APPROVED**

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 98.157 ug/l

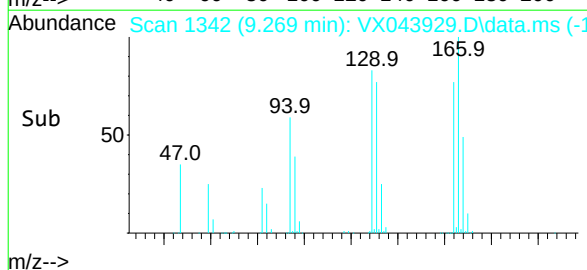
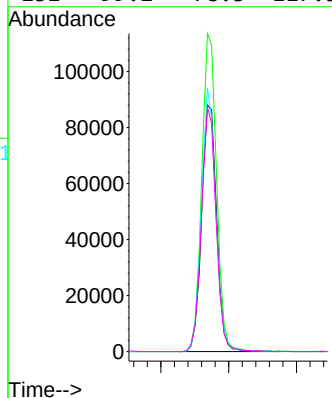
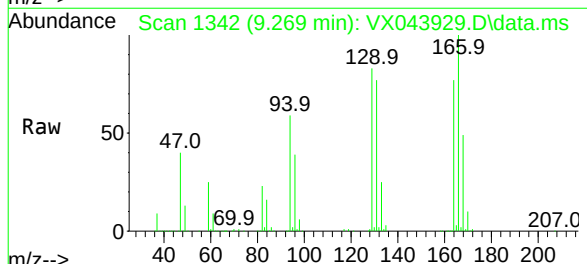
RT: 9.269 min Scan# 1342

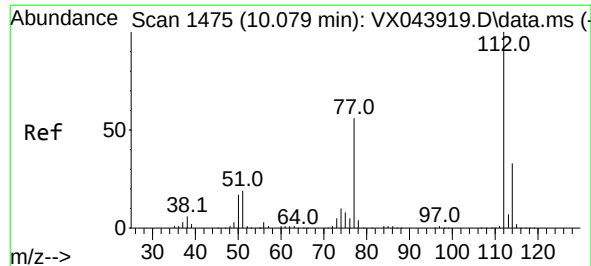
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	164	Resp:	135740
Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.9	151.3
129	107.0	80.3	120.5
131	99.2	78.3	117.5





#65

Chlorobenzene

Concen: 102.382 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 461076

Ion Ratio Lower Upper

112 100

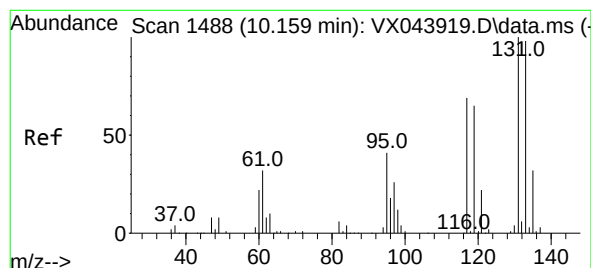
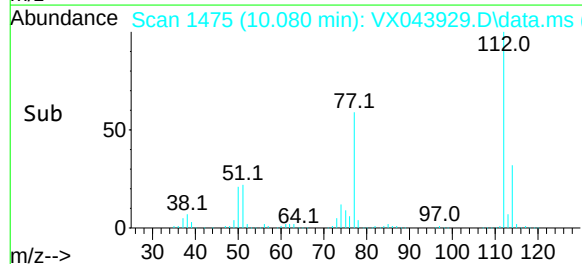
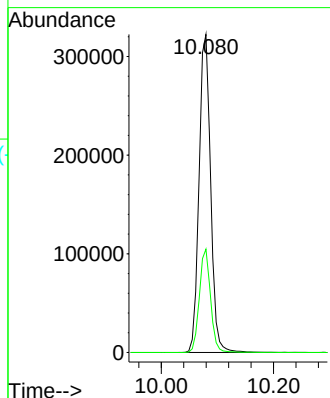
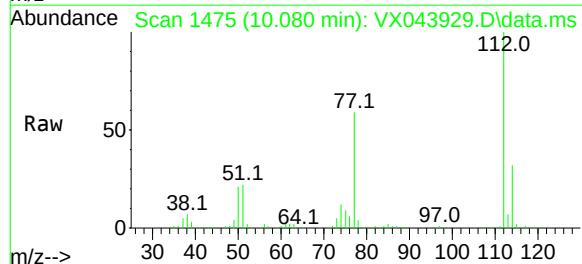
114 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 109.812 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

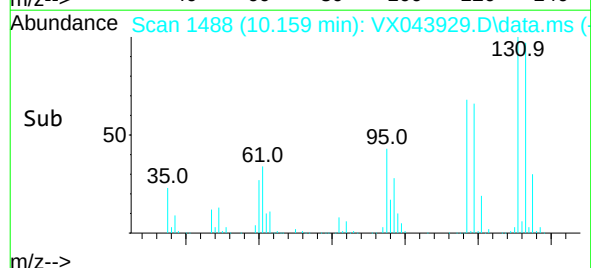
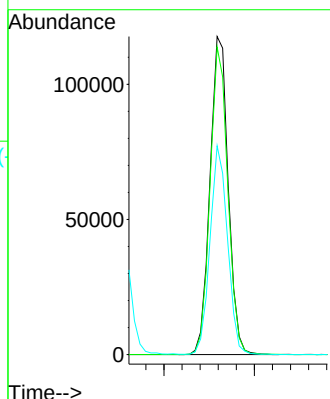
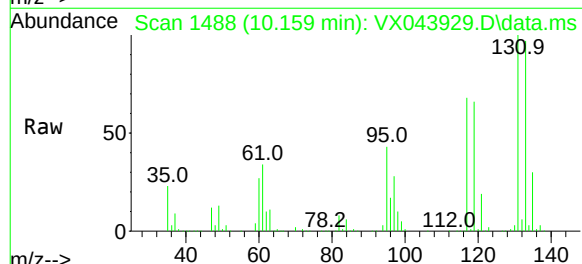
Tgt Ion:131 Resp: 164586

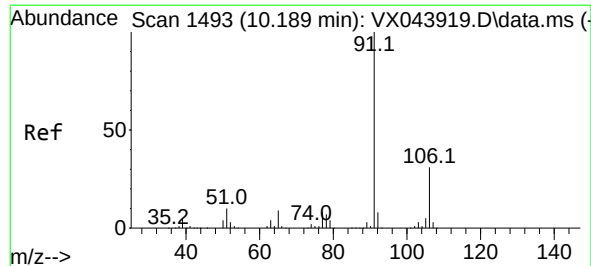
Ion Ratio Lower Upper

131 100

133 94.2 48.8 146.3

119 63.2 32.9 98.7





#67

Ethyl Benzene

Concen: 107.178 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 812289

Ion Ratio Lower Upper

91 100

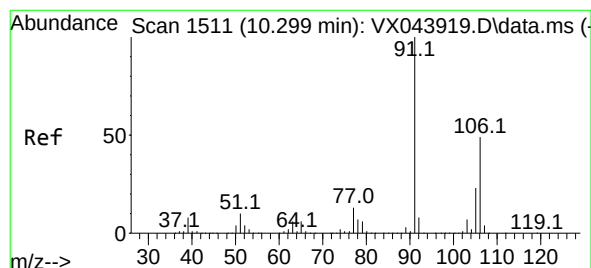
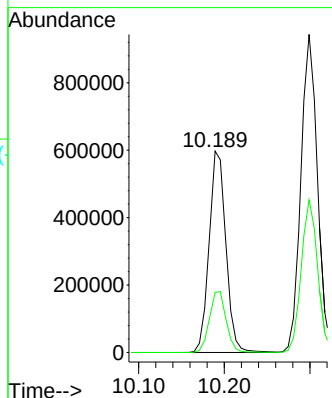
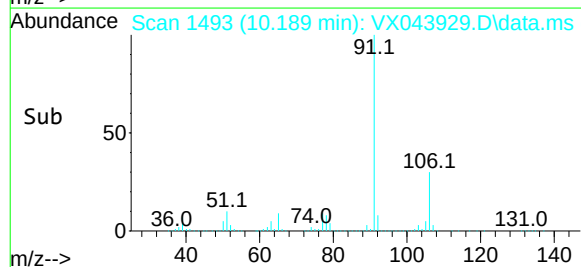
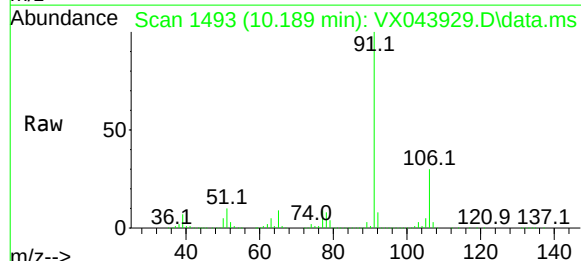
106 29.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 213.769 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043929.D

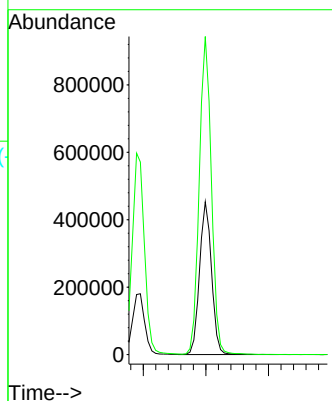
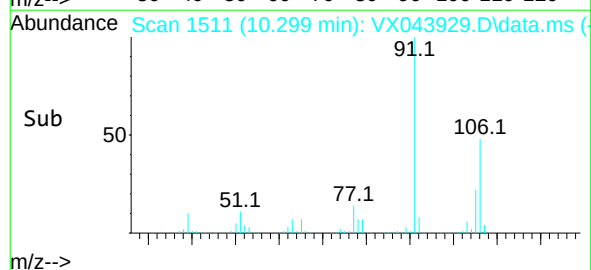
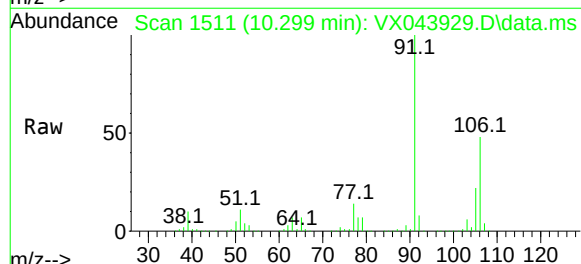
Acq: 21 Nov 2024 11:40

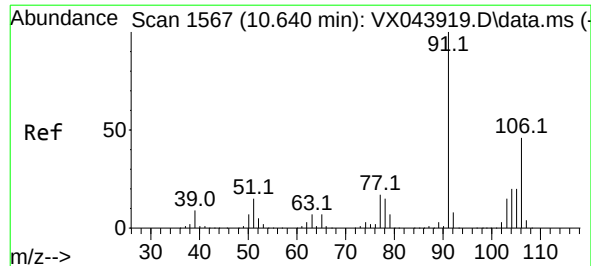
Tgt Ion:106 Resp: 603451

Ion Ratio Lower Upper

106 100

91 210.3 163.3 244.9





#69

o-Xylene

Concen: 108.462 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 298739

Ion Ratio Lower Upper

106 100

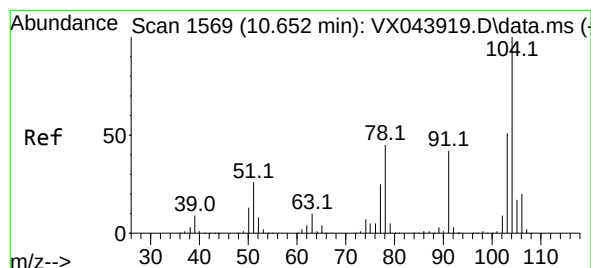
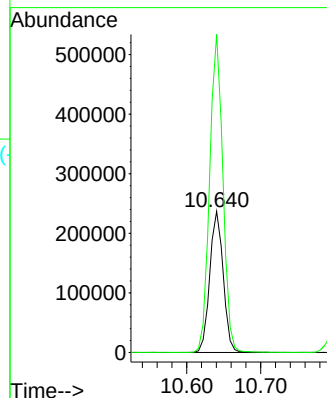
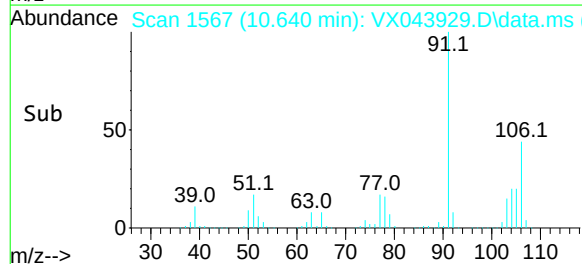
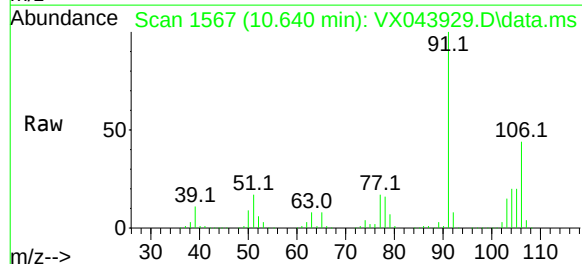
91 222.3 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 112.628 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

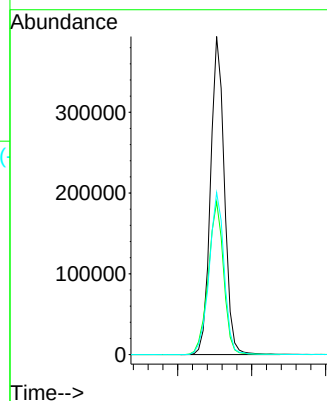
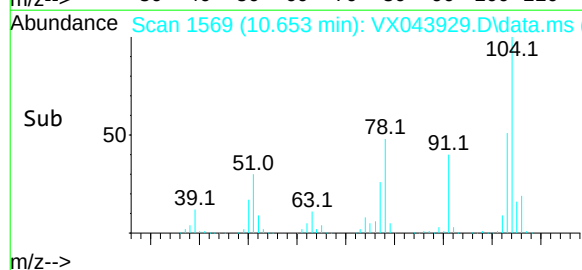
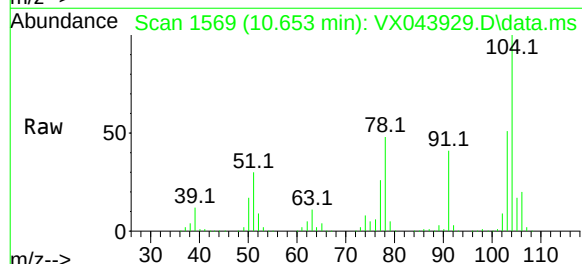
Tgt Ion:104 Resp: 511251

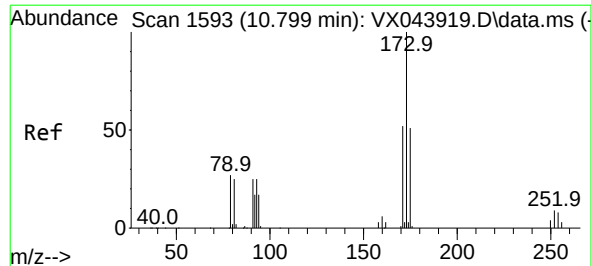
Ion Ratio Lower Upper

104 100

78 53.1 40.3 60.5

103 55.4 43.9 65.9





#71

Bromoform

Concen: 125.866 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

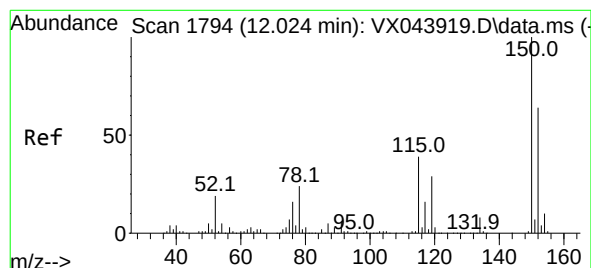
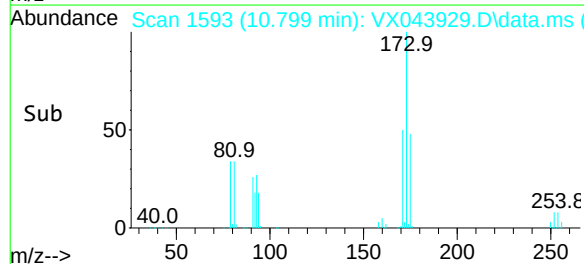
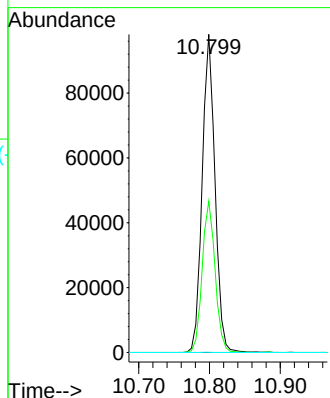
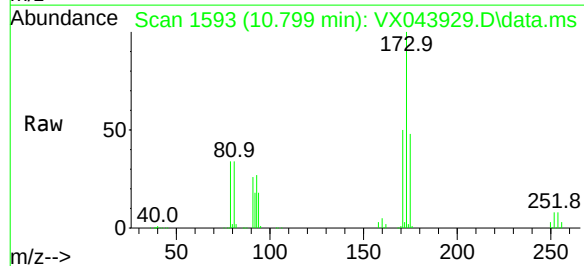
VSTDICC100

Tgt Ion:	173	Resp:	123114
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

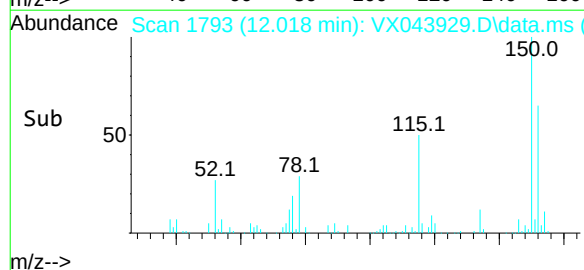
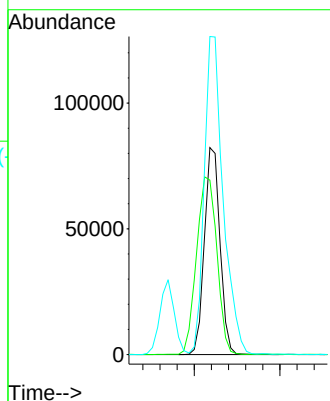
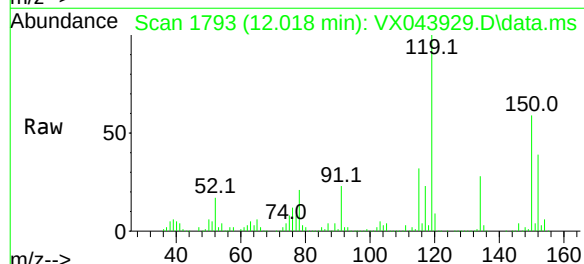
RT: 12.018 min Scan# 1793

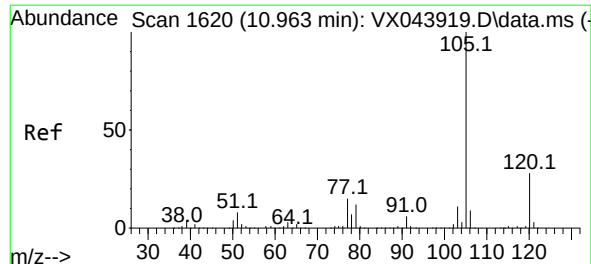
Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	152	Resp:	104048
Ion Ratio	Lower	Upper	
152	100		
115	112.2	42.1	126.3
150	186.1	0.0	348.2





#73

Isopropylbenzene

Concen: 103.086 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 765623

Ion Ratio Lower Upper

105 100

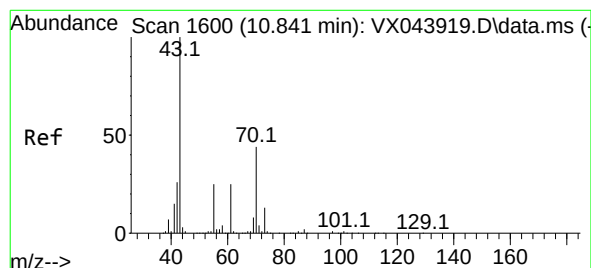
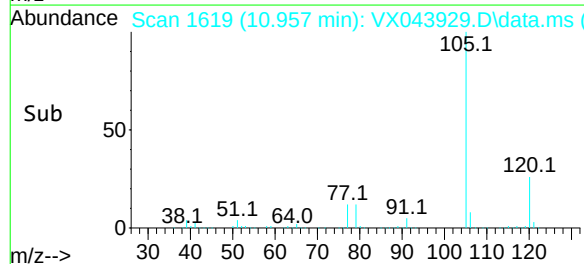
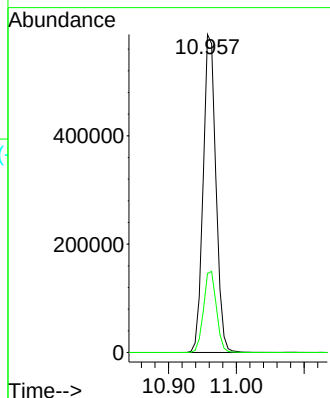
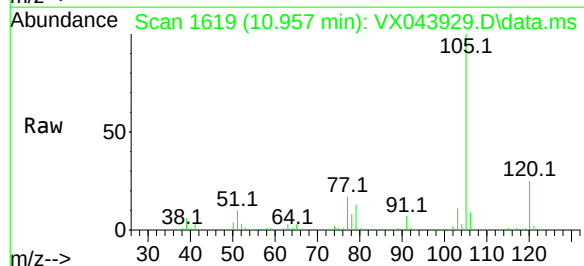
120 25.8 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 119.112 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

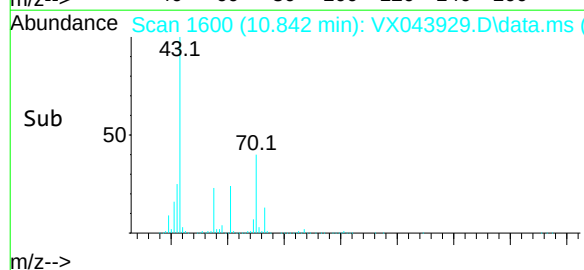
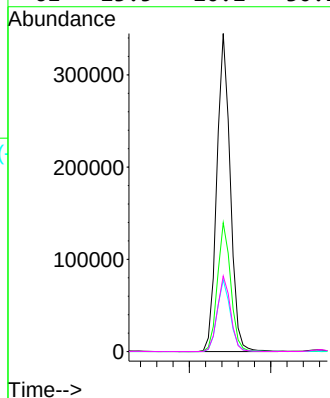
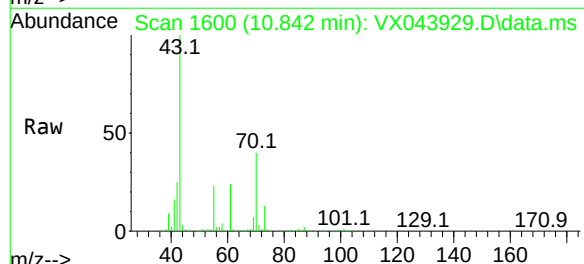
Ion Ratio Lower Upper

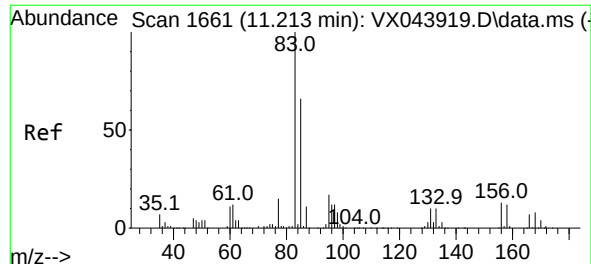
43 100

70 40.2 36.5 54.7

55 22.3 19.6 29.4

61 23.5 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 104.456 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

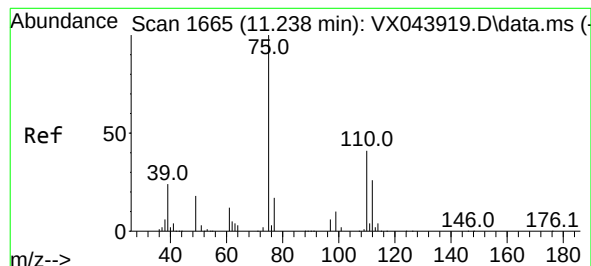
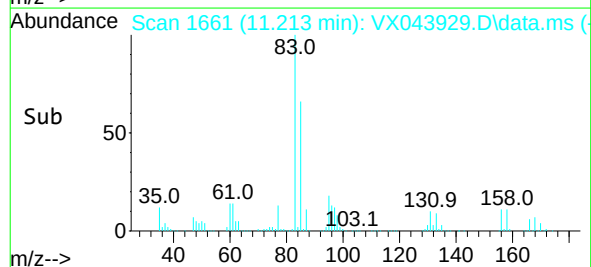
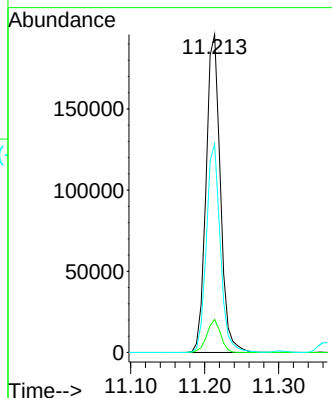
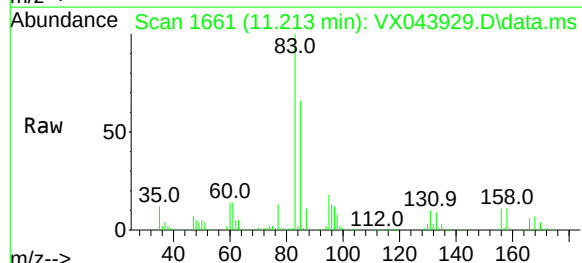
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	262302
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.1	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 103.148 ug/l m

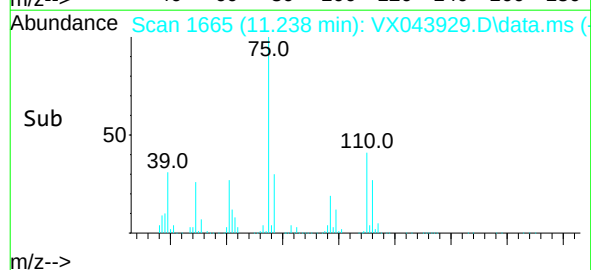
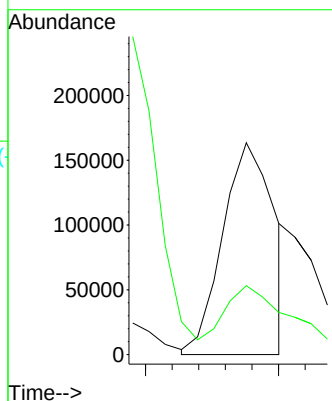
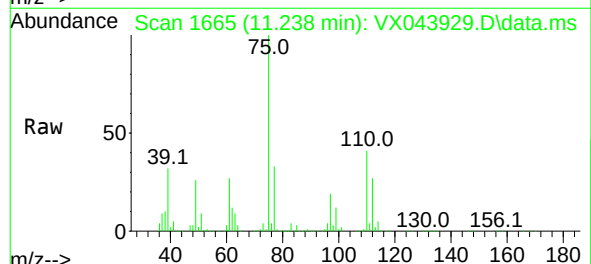
RT: 11.238 min Scan# 1665

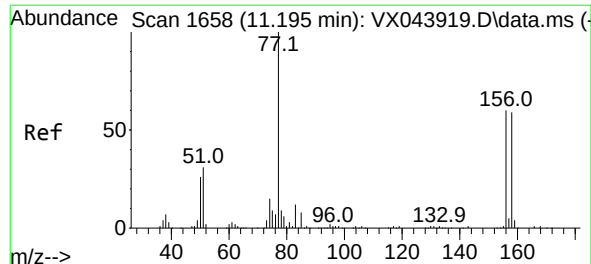
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	75	Resp:	219028
Ion	Ratio	Lower	Upper
75	100		
77	43.5	22.4	67.0





#77

Bromobenzene

Concen: 100.944 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

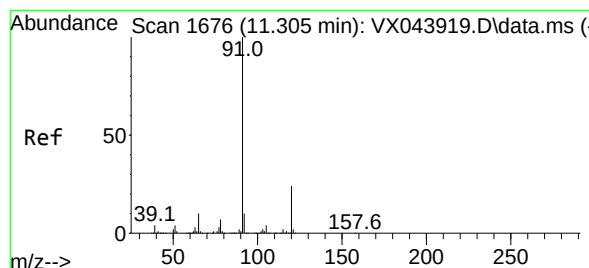
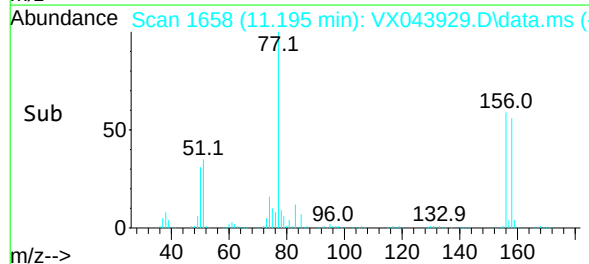
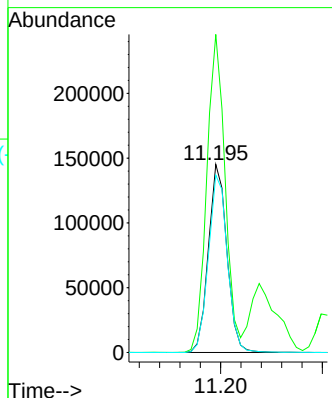
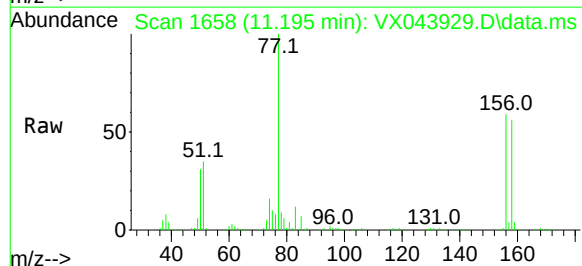
ClientSampleId :

VSTDICC100

Tgt Ion:	156	Resp:	183742
Ion	Ratio	Lower	Upper
156	100		
77	166.9	81.2	243.6
158	96.3	48.6	145.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 108.835 ug/l

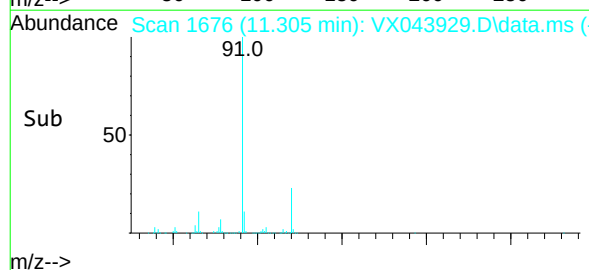
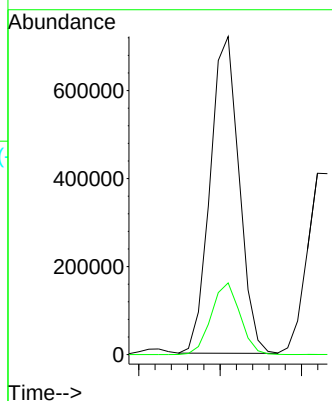
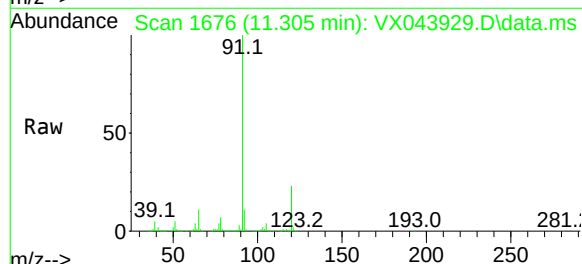
RT: 11.305 min Scan# 1676

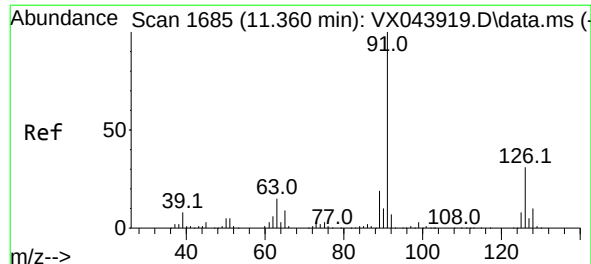
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	91	Resp:	891893
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 103.022 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 537196

Ion Ratio Lower Upper

91 100

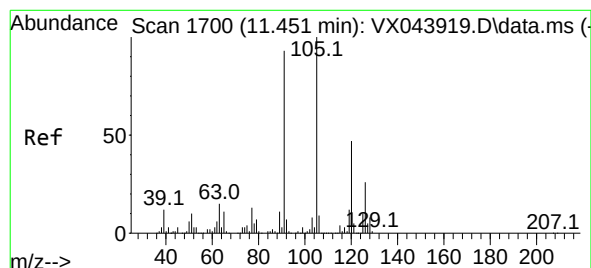
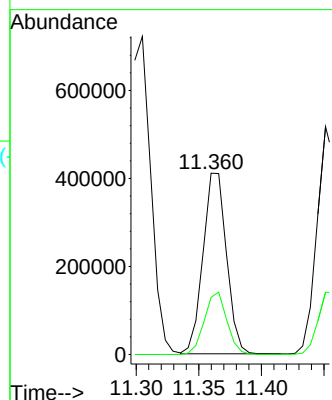
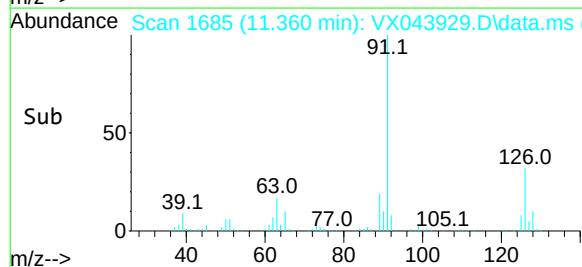
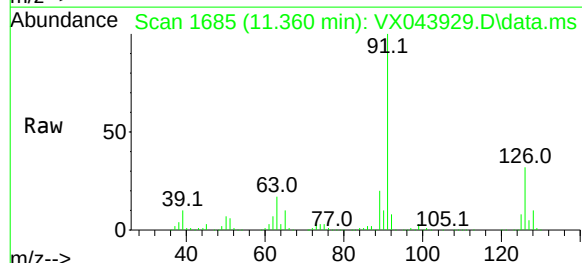
126 33.0 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 105.408 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043929.D

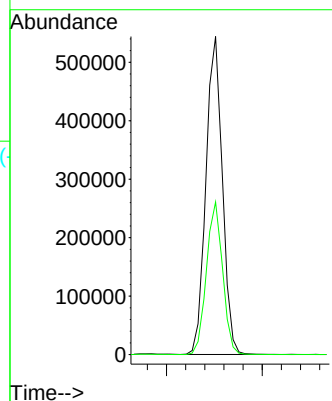
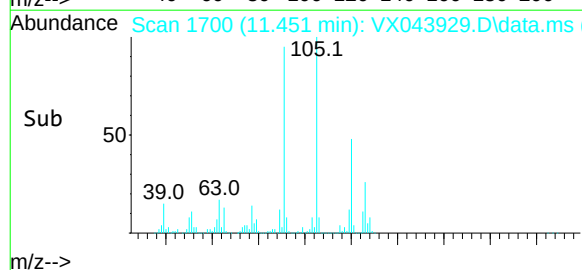
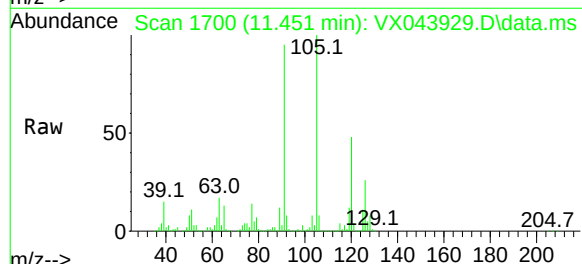
Acq: 21 Nov 2024 11:40

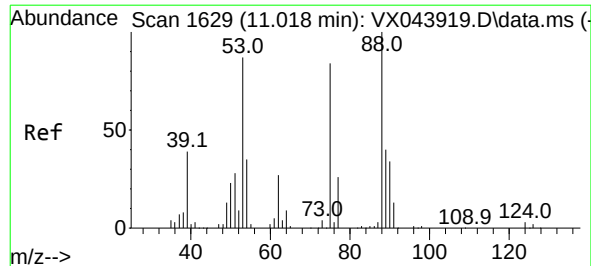
Tgt Ion:105 Resp: 648916

Ion Ratio Lower Upper

105 100

120 47.2 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 116.733 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

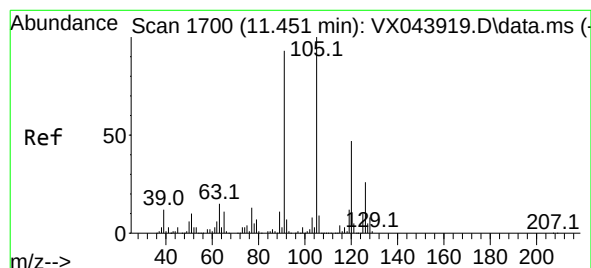
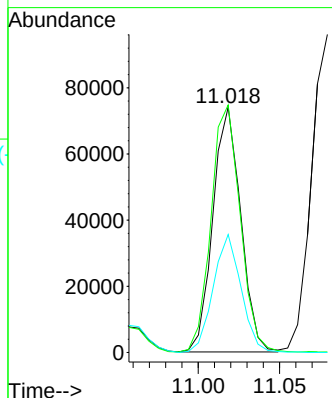
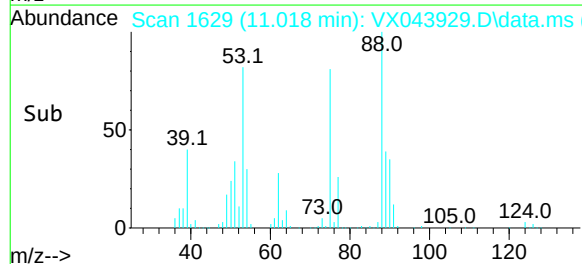
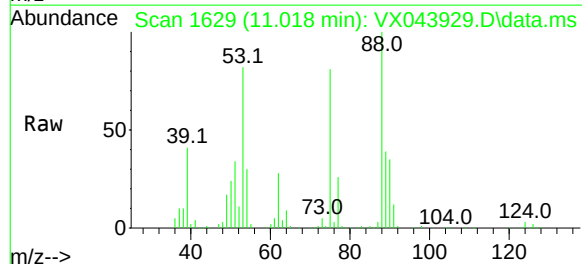
ClientSampleId :

VSTDICC100

Tgt Ion:	75	Resp:	88041
Ion	Ratio	Lower	Upper
75	100		
53	106.0	81.7	122.5
89	48.3	38.6	57.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 104.841 ug/l

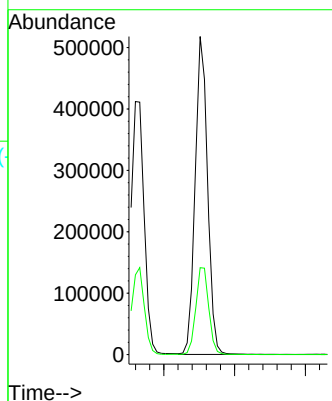
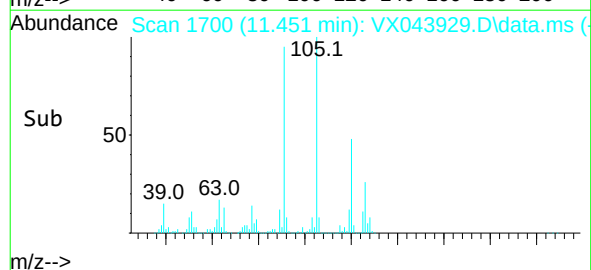
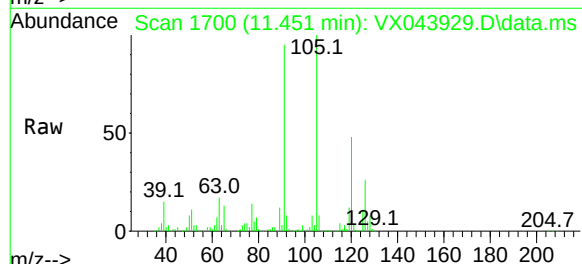
RT: 11.451 min Scan# 1700

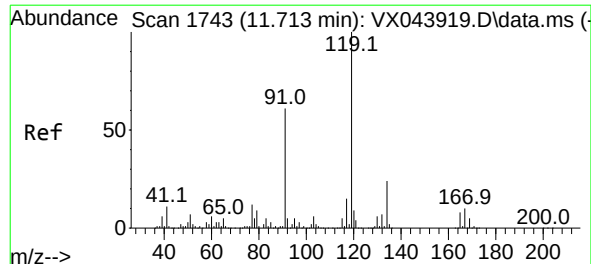
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	91	Resp:	629590
Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.4	43.2





#83

tert-Butylbenzene

Concen: 104.157 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:119 Resp: 655918

Ion Ratio Lower Upper

119 100

91 60.2 29.5 88.6

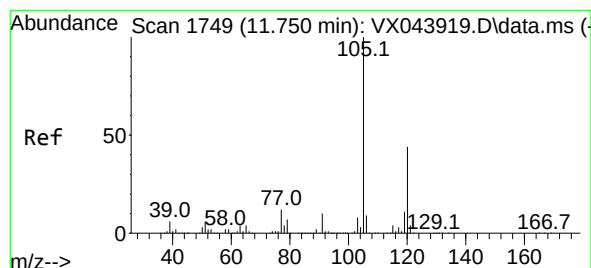
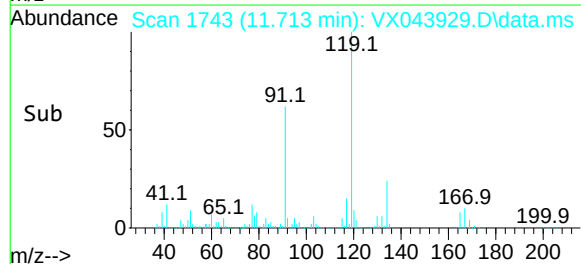
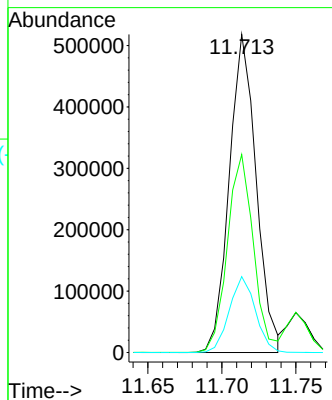
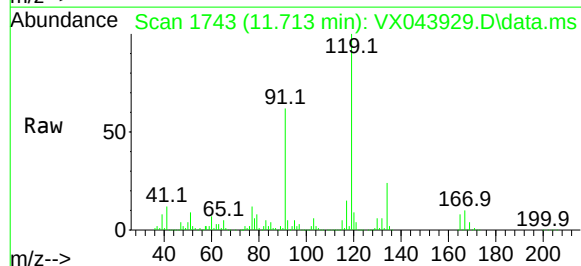
134 23.1 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 103.992 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043929.D

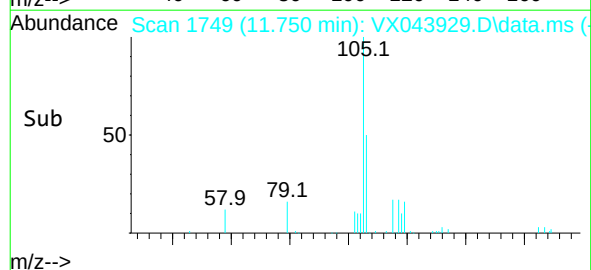
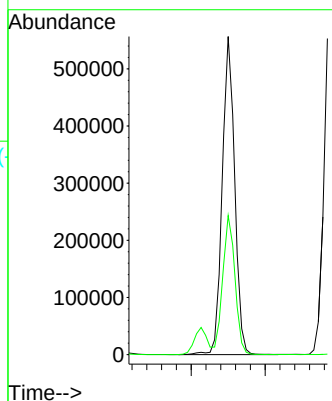
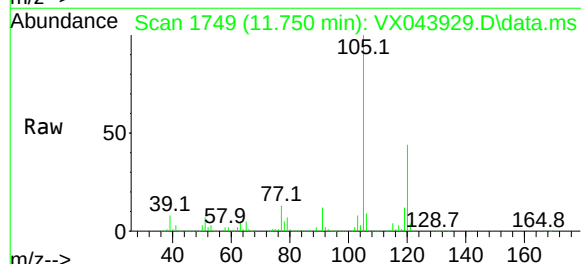
Acq: 21 Nov 2024 11:40

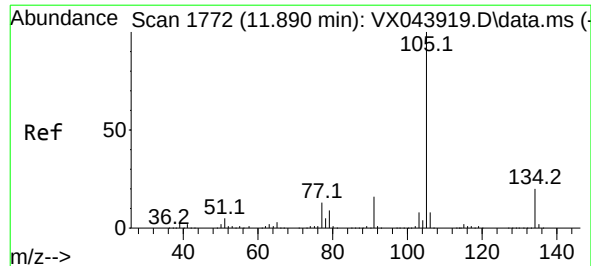
Tgt Ion:105 Resp: 650156

Ion Ratio Lower Upper

105 100

120 43.5 21.7 65.1





#85

sec-Butylbenzene

Concen: 105.481 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 793233

Ion Ratio Lower Upper

105 100

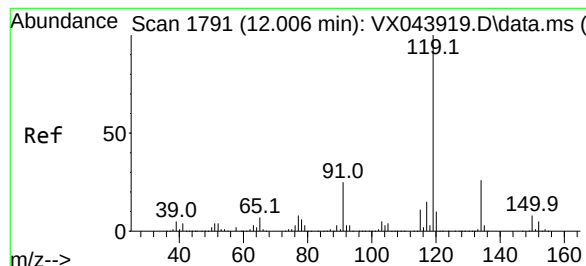
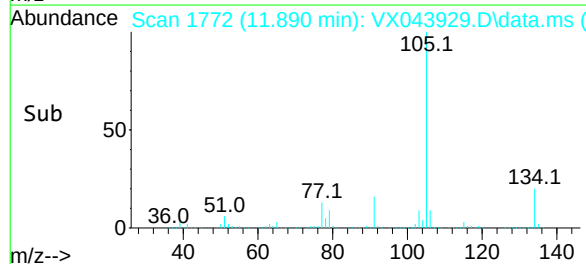
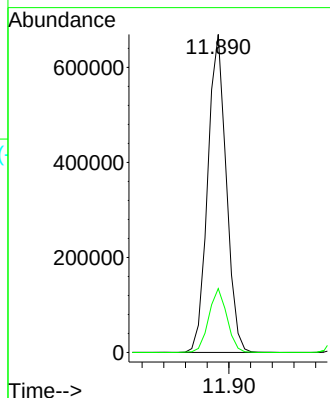
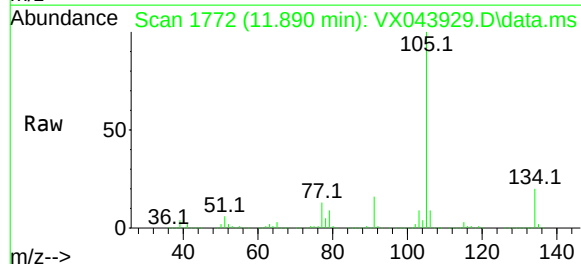
134 19.7 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 106.078 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

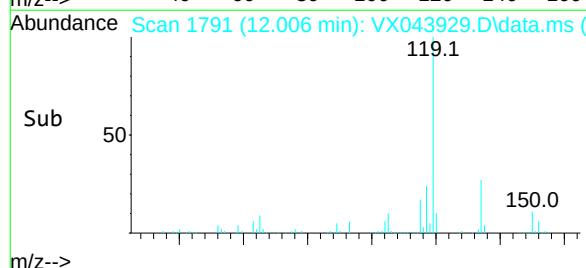
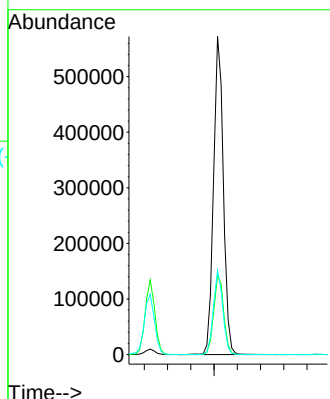
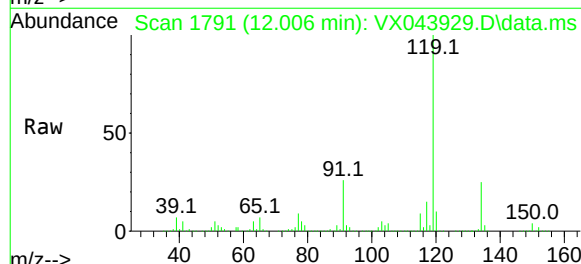
Tgt Ion:119 Resp: 669819

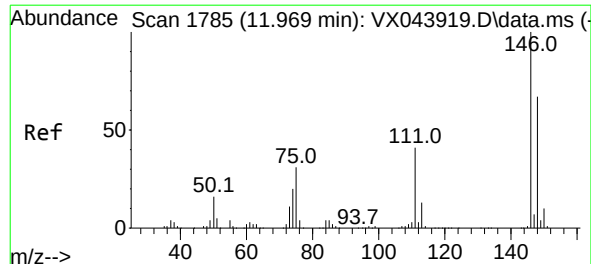
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 25.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 100.095 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 337665

Ion Ratio Lower Upper

146 100

111 42.3 20.8 62.2

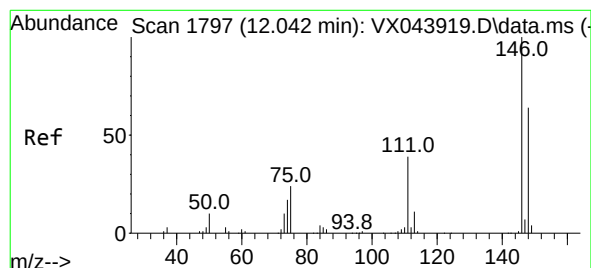
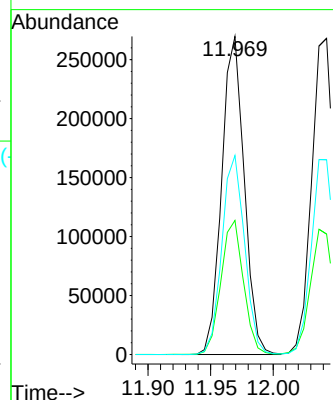
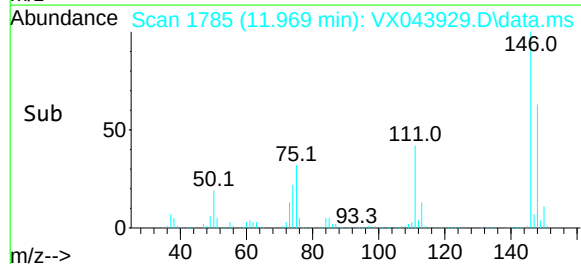
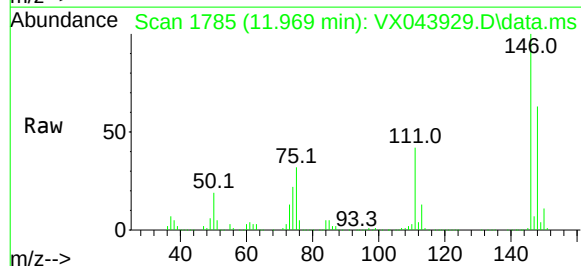
148 63.1 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 99.262 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

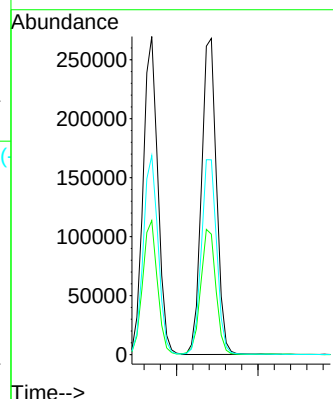
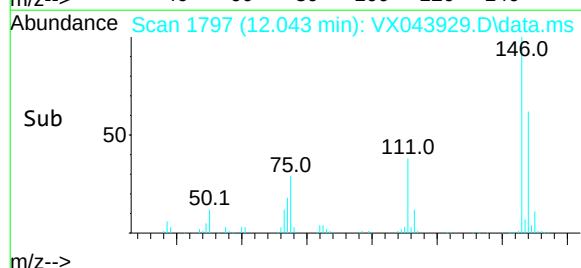
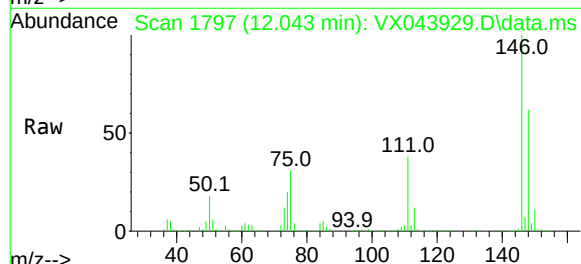
Tgt Ion:146 Resp: 343312

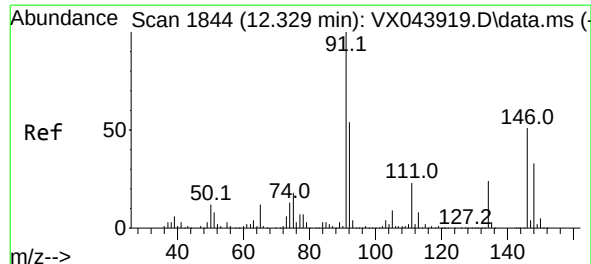
Ion Ratio Lower Upper

146 100

111 40.0 20.1 60.2

148 63.7 32.2 96.6





#89

n-Butylbenzene

Concen: 112.498 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 605284

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.6

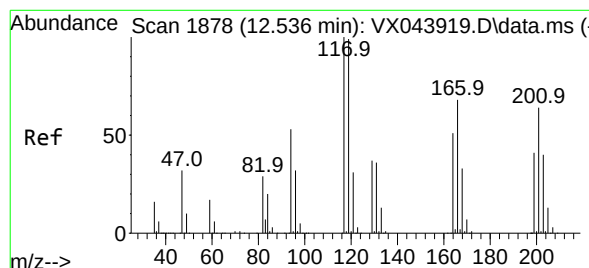
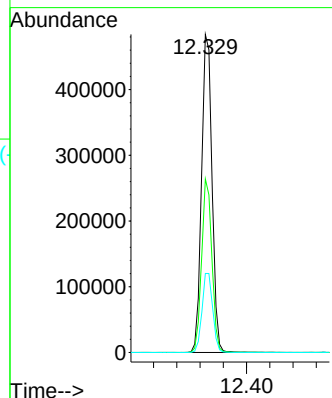
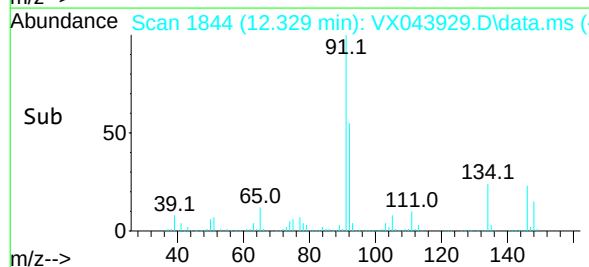
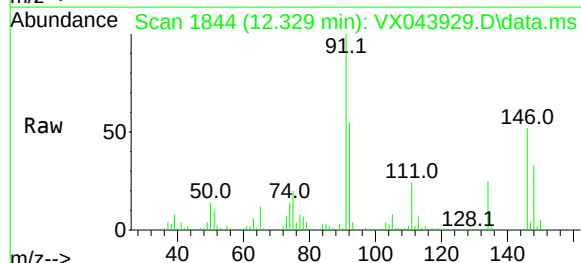
134 25.4 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 113.763 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043929.D

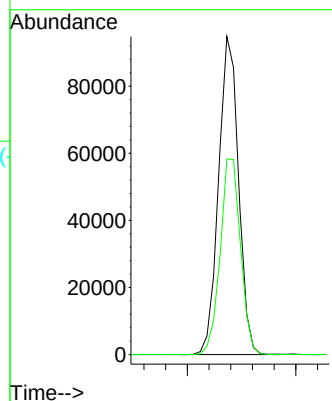
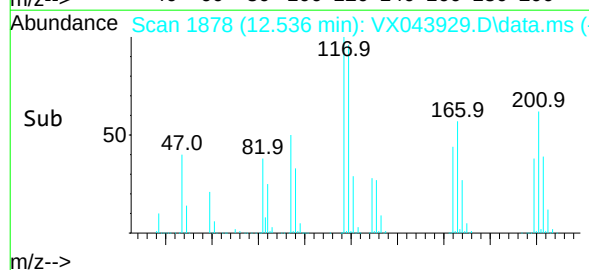
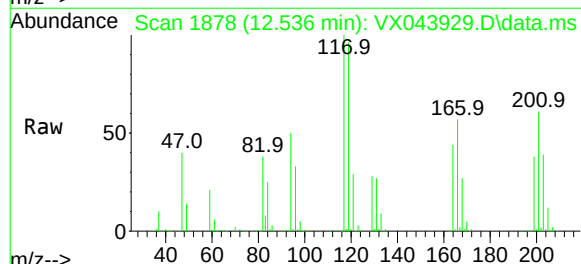
Acq: 21 Nov 2024 11:40

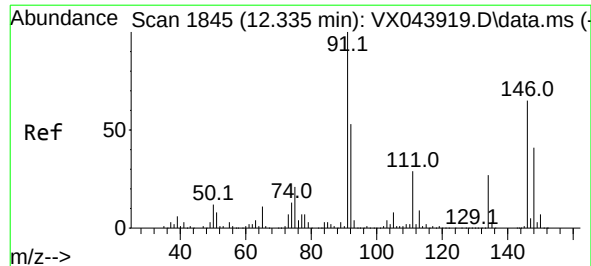
Tgt Ion:117 Resp: 120913

Ion Ratio Lower Upper

117 100

201 62.9 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 96.765 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 341767

Ion Ratio Lower Upper

146 100

111 43.3 21.7 65.1

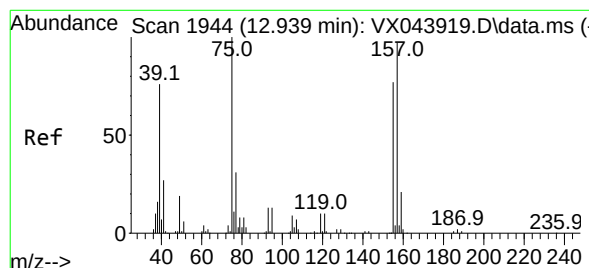
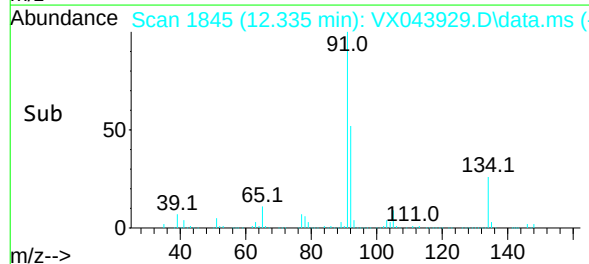
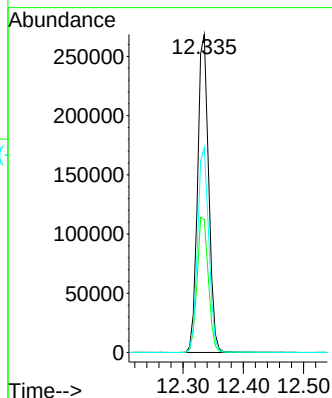
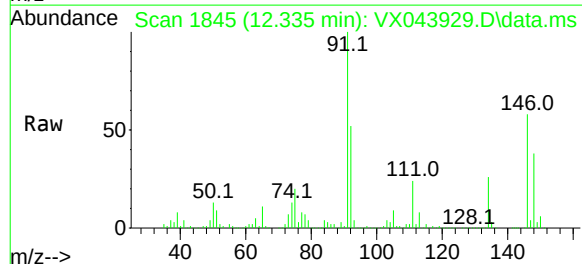
148 65.0 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 110.517 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

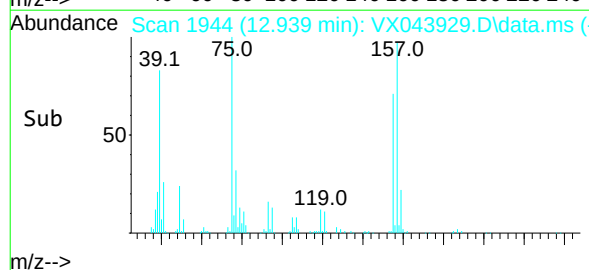
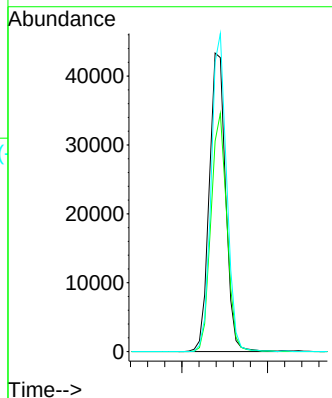
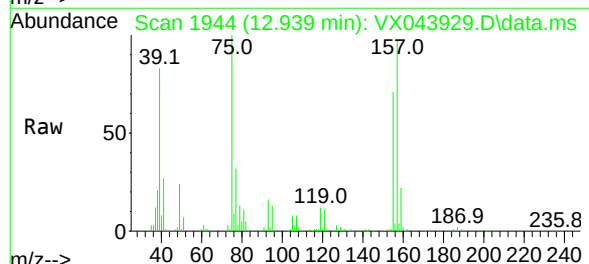
Tgt Ion: 75 Resp: 57287

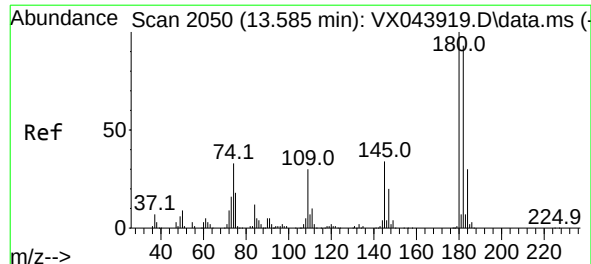
Ion Ratio Lower Upper

75 100

155 77.8 40.8 122.5

157 100.9 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 102.015 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

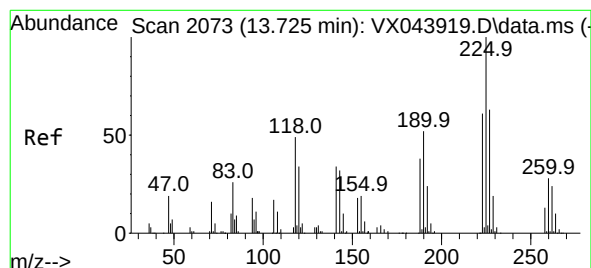
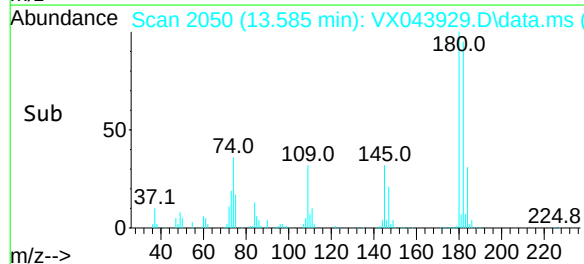
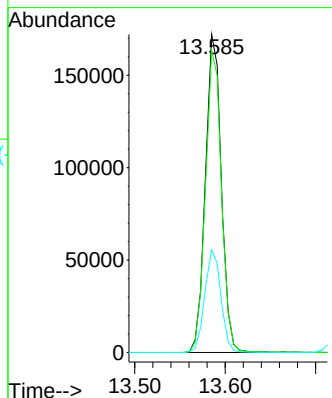
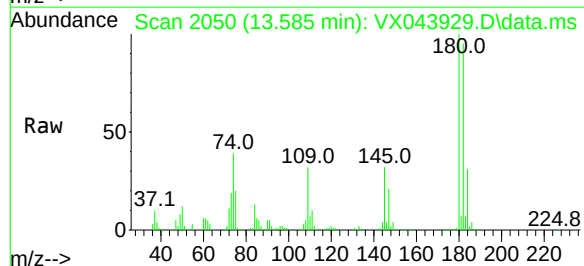
ClientSampleId :

VSTDICC100

Tgt Ion:	180	Resp:	210571
Ion Ratio	Lower	Upper	
180	100		
182	95.6	46.8	140.4
145	32.8	16.4	49.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 94.363 ug/l

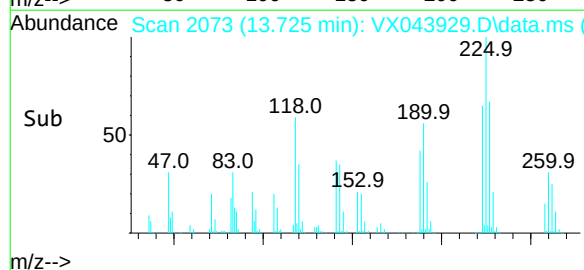
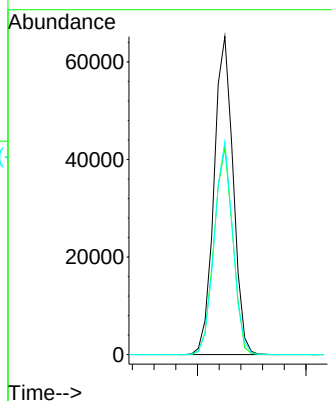
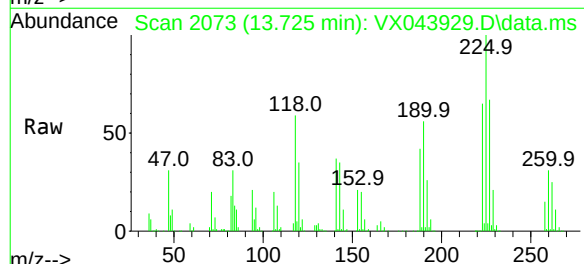
RT: 13.725 min Scan# 2073

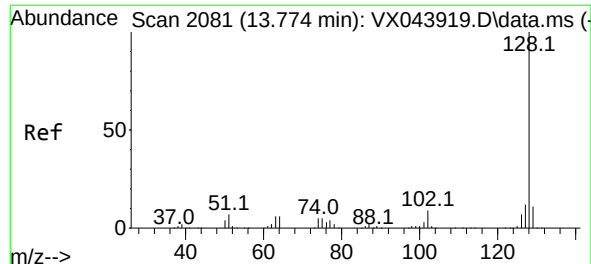
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:	225	Resp:	79822
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.1	93.3
227	65.0	29.8	89.5





#95

Naphthalene

Concen: 100.923 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:128 Resp: 776740

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

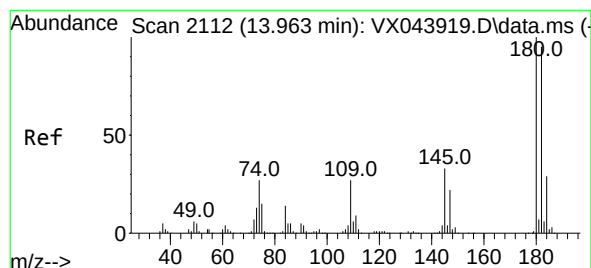
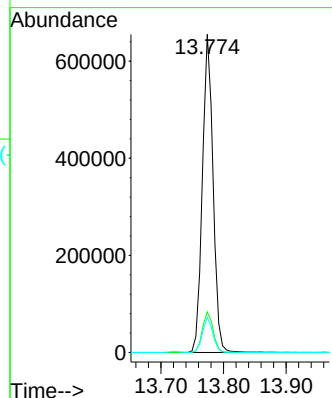
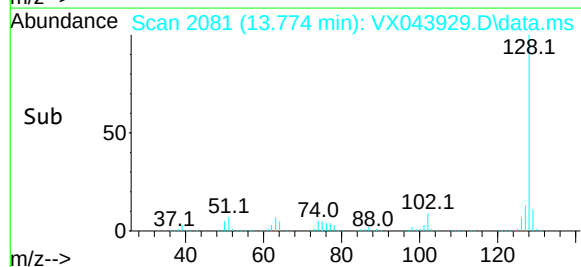
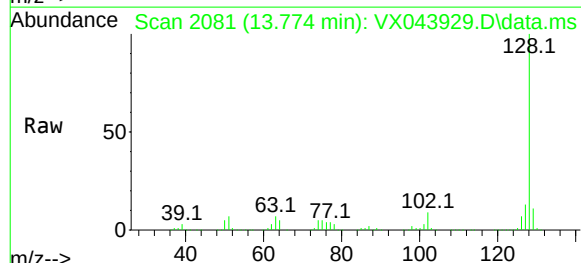
129 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 98.491 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

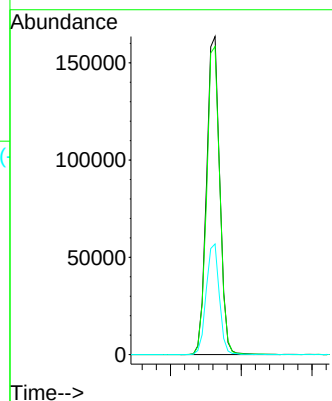
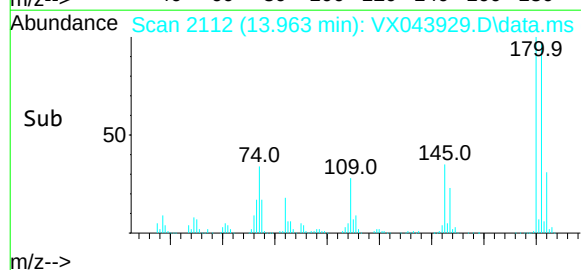
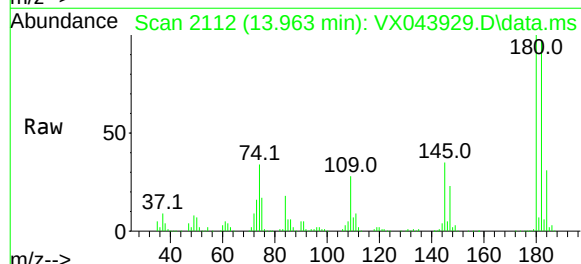
Tgt Ion:180 Resp: 211814

Ion Ratio Lower Upper

180 100

182 96.8 47.6 142.8

145 34.6 17.4 52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043930.D
 Acq On : 21 Nov 2024 12:03
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 21 12:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 12:18:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96376	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	349080	171.797	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	343.600%#
35) Dibromofluoromethane	5.385	113	268135	168.036	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	336.080%#
50) Toluene-d8	8.647	98	896413	168.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	336.300%#
62) 4-Bromofluorobenzene	11.079	95	324612	184.279	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	368.560%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	180.335	ug/l	97
3) Chloromethane	1.294	50	268770	160.659	ug/l	100
4) Vinyl Chloride	1.374	62	271568	161.568	ug/l	99
5) Bromomethane	1.593	94	175581	229.967	ug/l	98
6) Chloroethane	1.660	64	140375	174.839	ug/l	98
7) Trichlorofluoromethane	1.861	101	527057	219.944	ug/l	100
8) Diethyl Ether	2.136	74	185146	204.934	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	167.580	ug/l	97
10) Methyl Iodide	2.440	142	299792	150.207	ug/l	96
11) Tert butyl alcohol	3.014	59	306168	947.555	ug/l	99
12) 1,1-Dichloroethene	2.306	96	228504	166.017	ug/l	91
13) Acrolein	2.239	56	294638	813.086	ug/l	100
14) Allyl chloride	2.654	41	394228	176.662	ug/l	91
15) Acrylonitrile	3.068	53	684169	822.558	ug/l	98
16) Acetone	2.392	43	734161	899.588	ug/l	92
17) Carbon Disulfide	2.501	76	554853	184.625	ug/l	100
18) Methyl Acetate	2.703	43	361338	161.681	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	869848	170.980	ug/l	98
20) Methylene Chloride	2.782	84	260099	152.260	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	245485	163.596	ug/l	95
22) Diisopropyl ether	3.763	45	835960	171.467	ug/l	96
23) Vinyl Acetate	3.721	43	3797951	961.094	ug/l	97
24) 1,1-Dichloroethane	3.599	63	479590	167.262	ug/l	99
25) 2-Butanone	4.568	43	1012692	887.025	ug/l	97
26) 2,2-Dichloropropane	4.465	77	440061	186.761	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	304342	162.978	ug/l	94
28) Bromochloromethane	4.891	49	207753	172.194	ug/l	91
29) Tetrahydrofuran	5.007	42	617277	836.734	ug/l	98
30) Chloroform	5.092	83	513285	171.734	ug/l	98
31) Cyclohexane	5.458	56	367157	157.989	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	455922	178.438	ug/l	98
36) 1,1-Dichloropropene	5.684	75	331239	166.559	ug/l	98
37) Ethyl Acetate	4.721	43	393670	175.887	ug/l	97
38) Carbon Tetrachloride	5.672	117	376287	178.719	ug/l	98
39) Methylcyclohexane	7.372	83	410333	164.816	ug/l	96
40) Benzene	6.031	78	999210	159.808	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	206026	176.637	ug/l	95
42) 1,2-Dichloroethane	6.080	62	397508	175.089	ug/l	98
43) Isopropyl Acetate	6.342	43	661839	187.445	ug/l	94
44) Trichloroethene	7.123	130	251071	145.657	ug/l	97
45) 1,2-Dichloropropane	7.427	63	249394	162.744	ug/l	100
46) Dibromomethane	7.580	93	202329	175.212	ug/l	95
47) Bromodichloromethane	7.818	83	388259	191.362	ug/l	97
48) Methyl methacrylate	7.690	41	315872	180.493	ug/l	88
49) 1,4-Dioxane	7.665	88	106634	2860.706	ug/l #	76
51) 4-Methyl-2-Pentanone	8.580	43	1954925	887.971	ug/l	96
52) Toluene	8.714	92	607179	168.323	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	406346	197.387	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	428549	183.704	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	245706	174.579	ug/l	99
56) Ethyl methacrylate	9.116	69	420409	188.658	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	416811	176.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	875.887	ug/l	98
59) 2-Hexanone	9.433	43	1493755	961.650	ug/l	94
60) Dibromochloromethane	9.518	129	286188	208.679	ug/l	100
61) 1,2-Dibromoethane	9.610	107	261369	178.035	ug/l	100
64) Tetrachloroethene	9.268	164	202262	155.122	ug/l	98
65) Chlorobenzene	10.079	112	675513	159.085	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	170.964	ug/l	97
67) Ethyl Benzene	10.195	91	1181693	165.365	ug/l	100
68) m/p-Xylenes	10.299	106	884067	332.148	ug/l	97
69) o-Xylene	10.640	106	436919	168.240	ug/l	98
70) Styrene	10.652	104	742061	173.379	ug/l	97
71) Bromoform	10.799	173	186691	161.632	ug/l #	100
73) Isopropylbenzene	10.963	105	1135309	165.031	ug/l	99
74) N-ethyl acetate	10.841	43	586560	159.995	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	163.351	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	313344m	159.312	ug/l	
77) Bromobenzene	11.195	156	270671	160.539	ug/l	98
78) n-propylbenzene	11.305	91	1296979	170.866	ug/l	99
79) 2-Chlorotoluene	11.366	91	788163	163.185	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	164.167	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	161.734	ug/l	99
82) 4-Chlorotoluene	11.451	91	919566	165.319	ug/l	100
83) tert-Butylbenzene	11.713	119	945058	162.017	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	161.161	ug/l	100
85) sec-Butylbenzene	11.890	105	1148877	164.934	ug/l	100
86) p-Isopropyltoluene	12.006	119	972007	166.189	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	490336	156.923	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	494318	154.301	ug/l	99
89) n-Butylbenzene	12.329	91	903805	181.353	ug/l	99
90) Hexachloroethane	12.536	117	180575	151.823	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	503214	153.818	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	146.019	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	325289	170.137	ug/l	99
94) Hexachlorobutadiene	13.725	225	121126	154.589	ug/l	97
95) Naphthalene	13.774	128	1173154	164.565	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	164.001	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

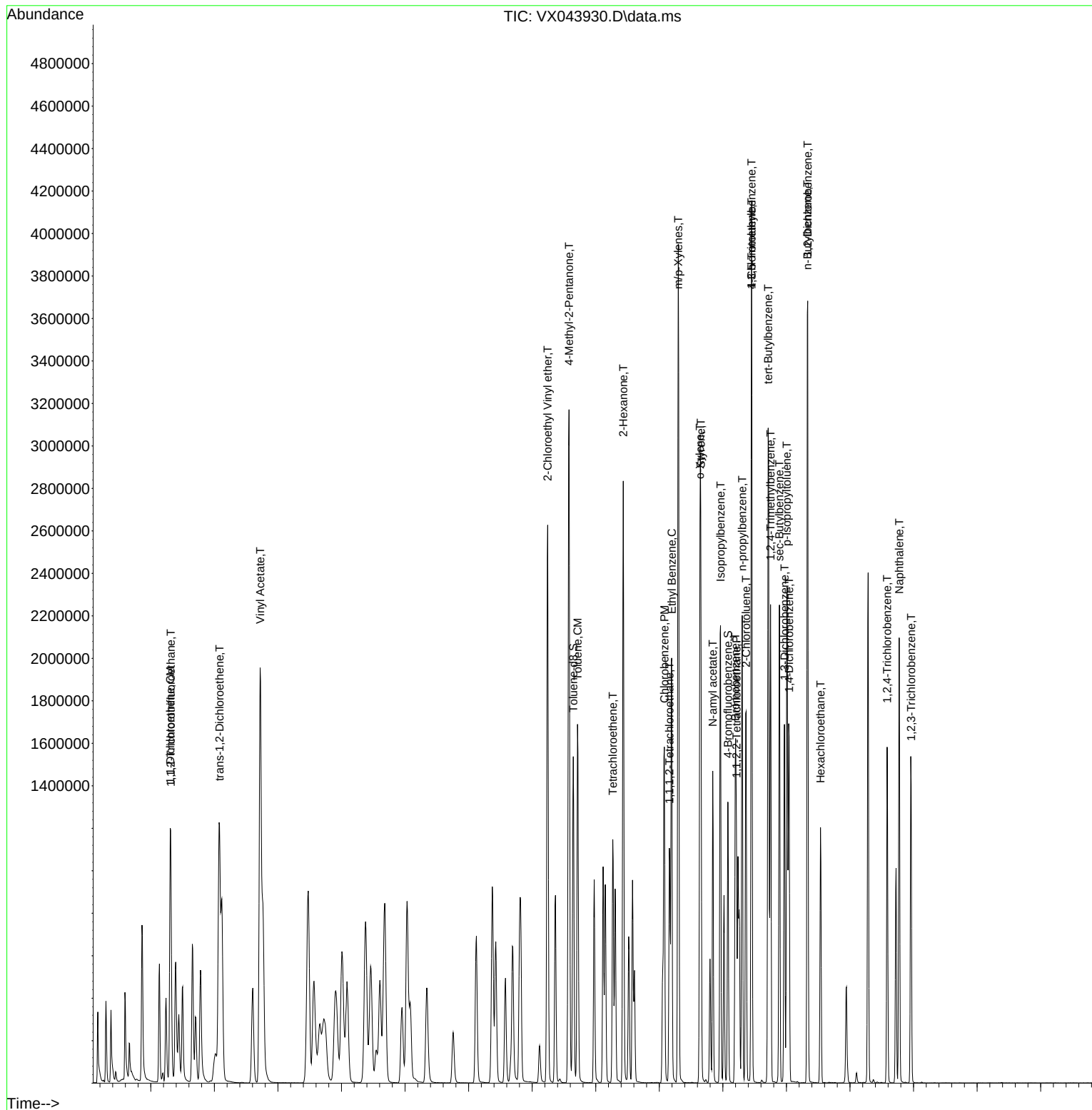
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On    : 21 Nov 2024 12:03
Operator  : JC/MD
Sample    : VSTDICC150
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 17 Sample Multiplier: 1
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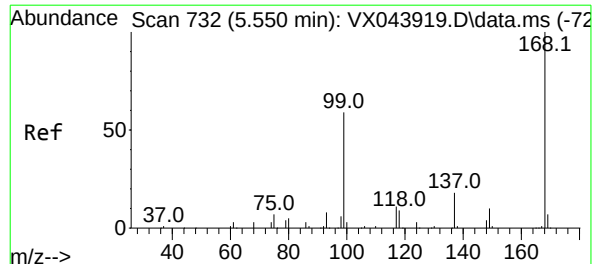
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

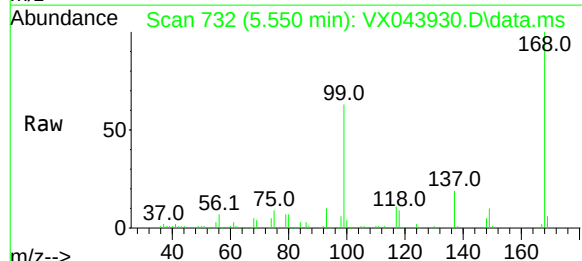
Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

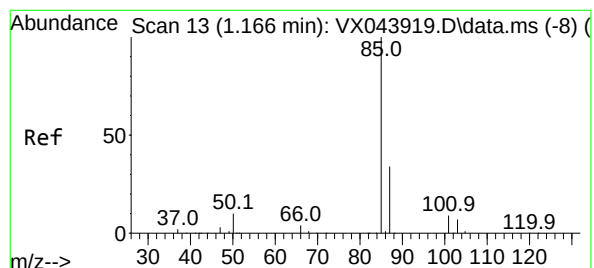
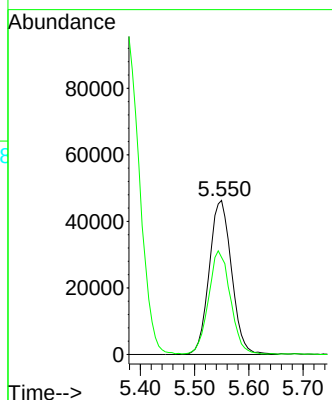
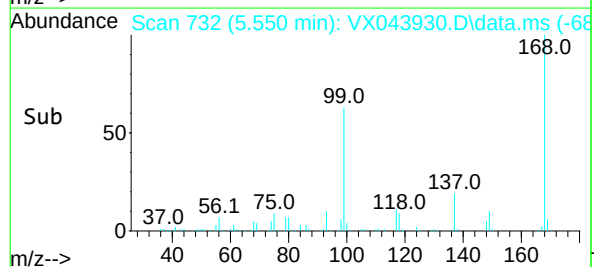
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 168 Resp: 132286
Ion Ratio Lower Upper
168 100
99 62.9 46.9 70.3

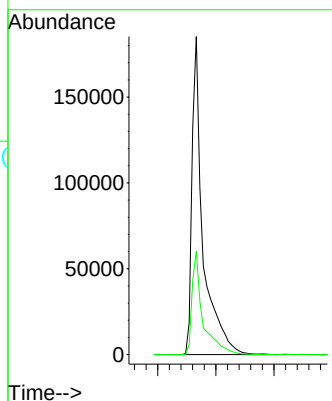
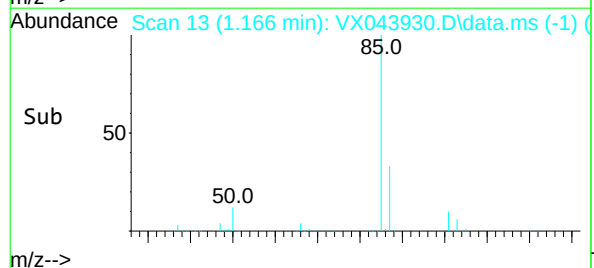
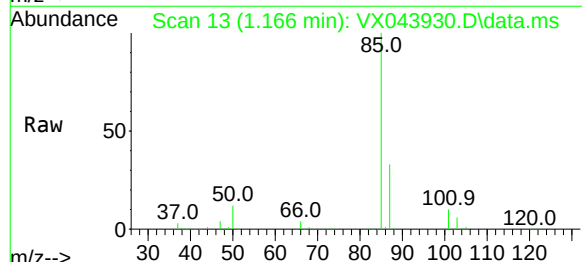
Manual Integrations
APPROVED

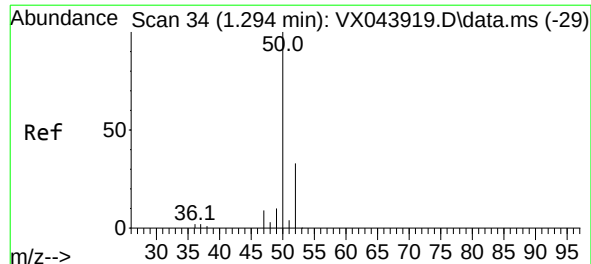
Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 180.335 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389
Ion Ratio Lower Upper
85 100
87 32.5 17.1 51.2





#3

Chloromethane

Concen: 160.659 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 268770

Ion Ratio Lower Upper

50 100

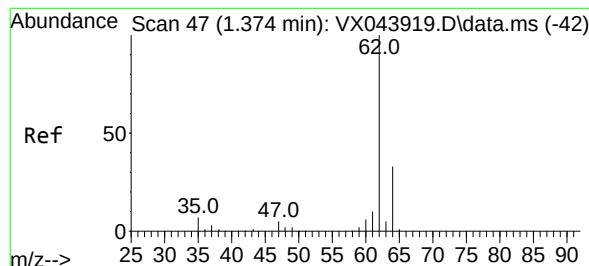
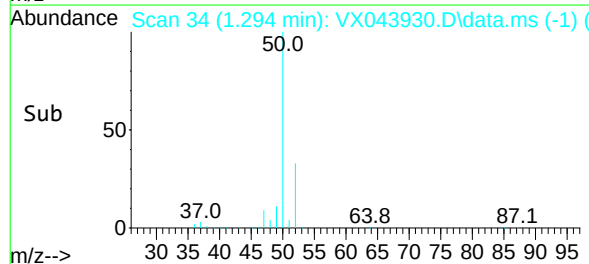
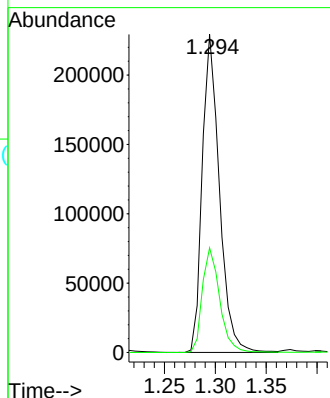
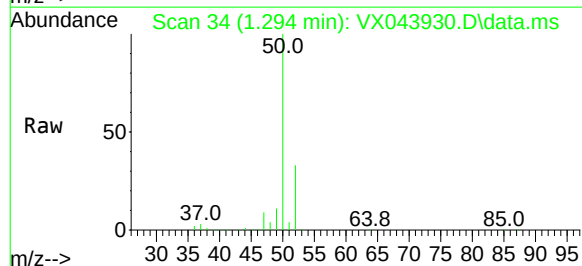
52 32.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 161.568 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043930.D

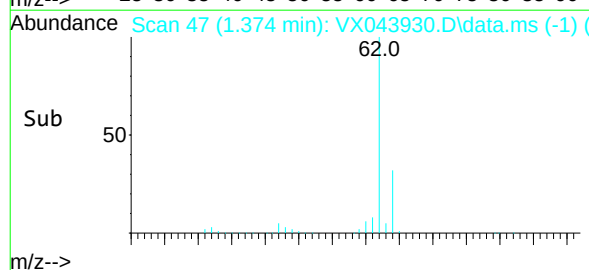
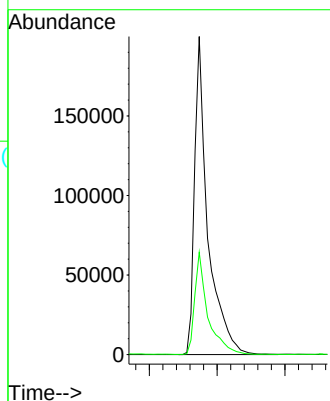
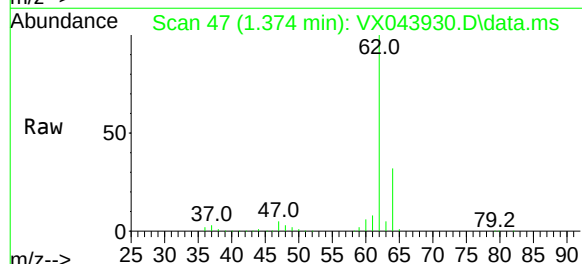
Acq: 21 Nov 2024 12:03

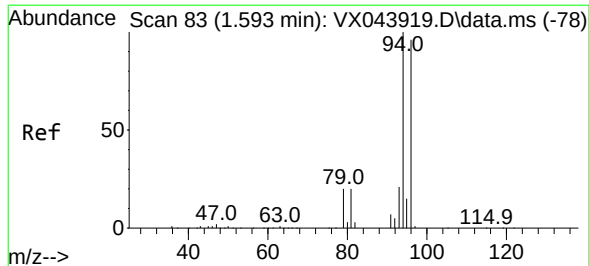
Tgt Ion: 62 Resp: 271568

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 229.967 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 94 Resp: 175581

Ion Ratio Lower Upper

94 100

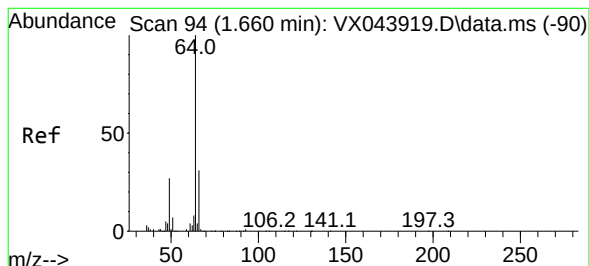
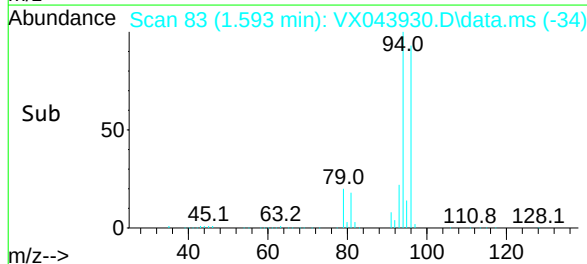
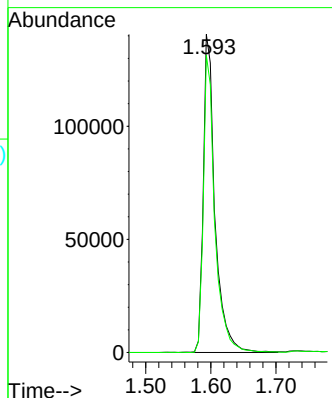
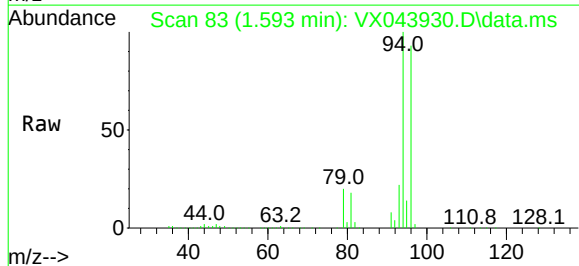
96 93.5 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 174.839 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX043930.D

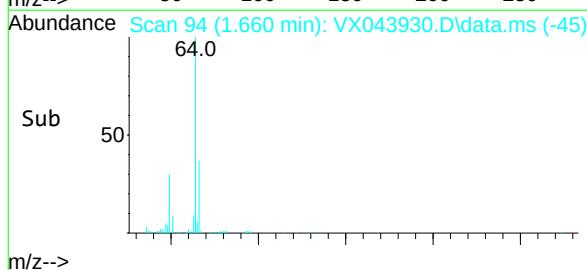
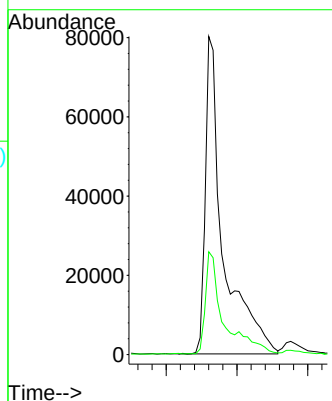
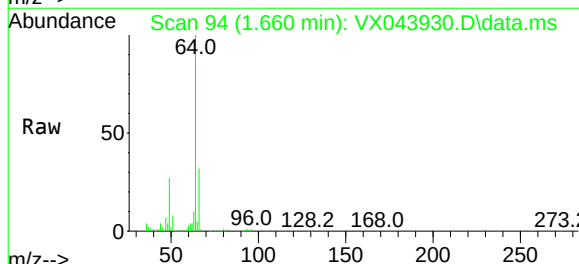
Acq: 21 Nov 2024 12:03

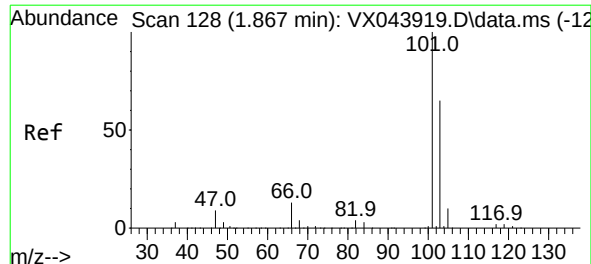
Tgt Ion: 64 Resp: 140375

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3





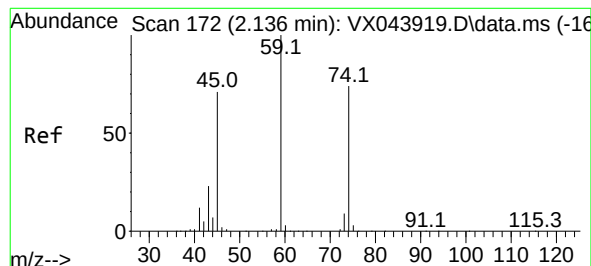
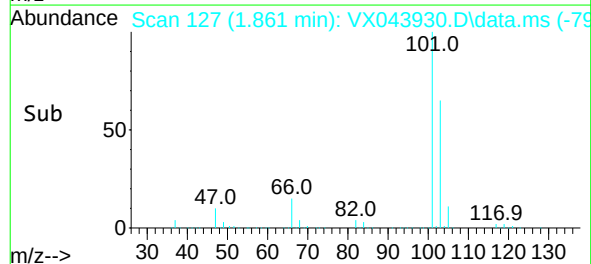
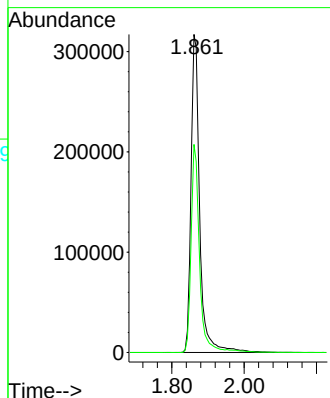
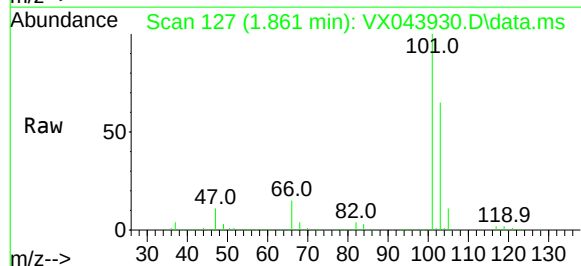
Trichlorofluoromethane
Concen: 219.944 ug/l
RT: 1.861 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 101 Resp: 527057
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

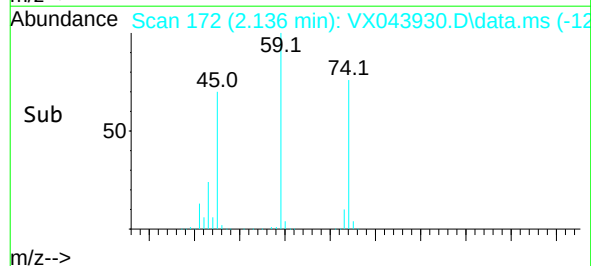
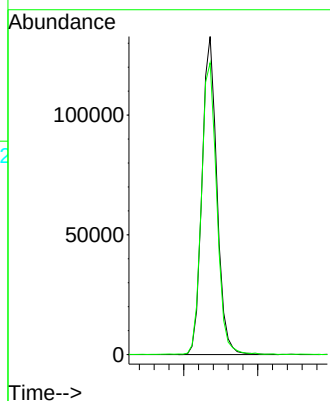
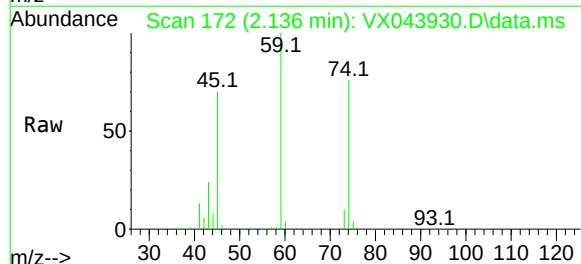
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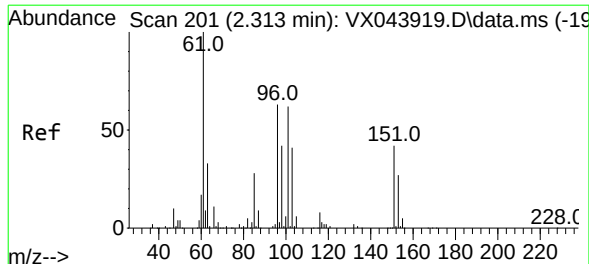
Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024



Diethyl Ether
Concen: 204.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146
Ion Ratio Lower Upper
74 100
45 94.1 49.9 149.6





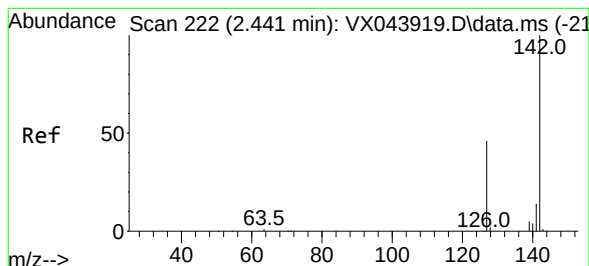
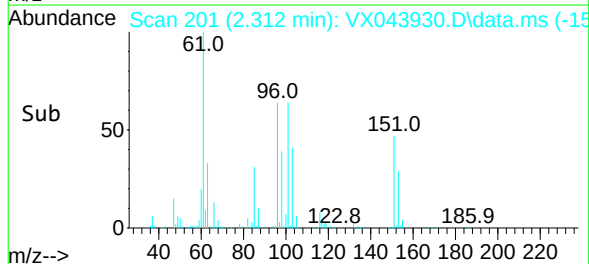
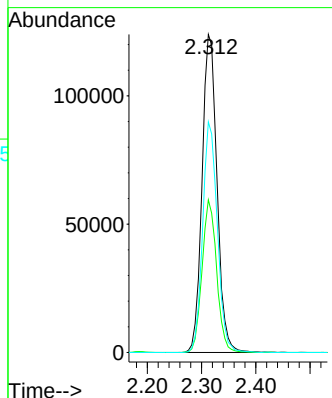
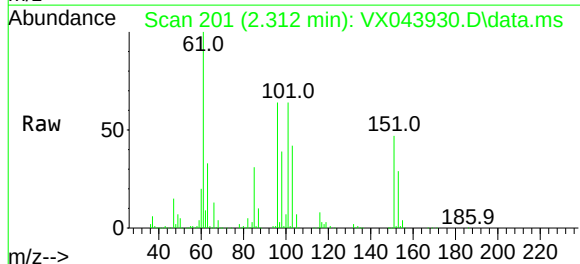
#9
1,1,2-Trichlorotrifluoroethane
Concen: 167.580 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.6	54.8
151	71.3	59.8	89.6

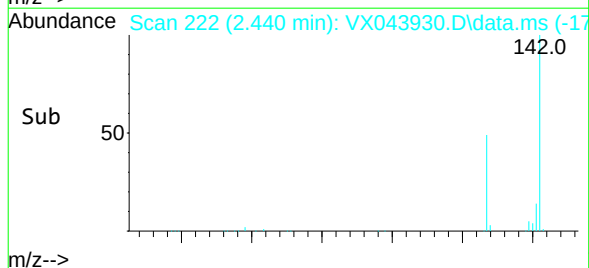
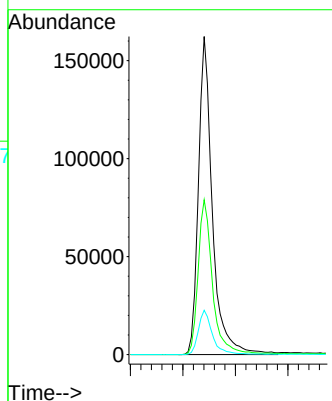
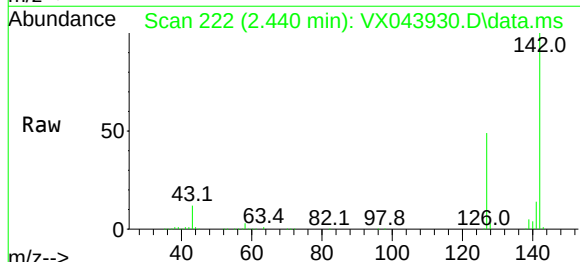
Manual Integrations
APPROVED

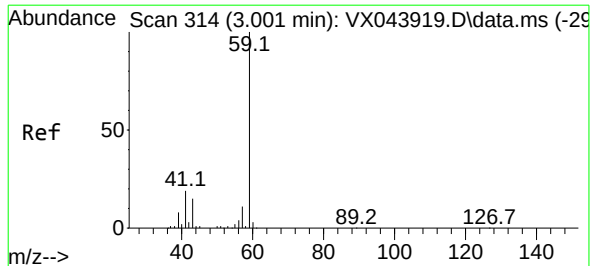
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10
Methyl Iodide
Concen: 150.207 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.1	37.3	55.9
141	14.2	11.4	17.2





#11

Tert butyl alcohol

Concen: 947.555 ug/l

RT: 3.014 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 306168

Ion Ratio Lower Upper

59 100

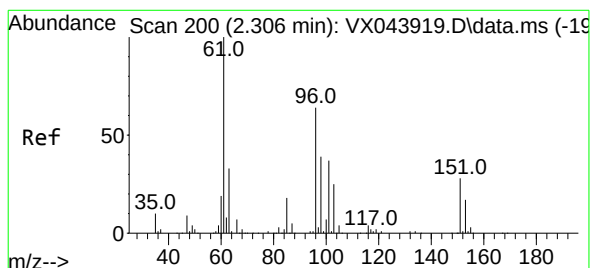
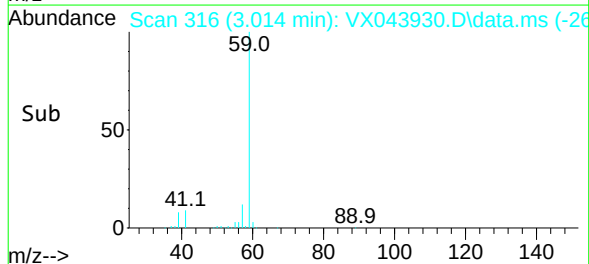
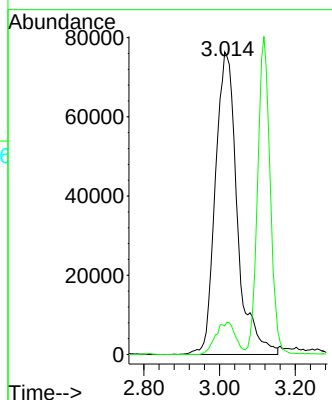
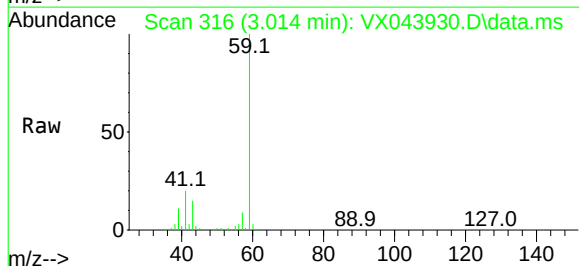
57 9.8 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 166.017 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

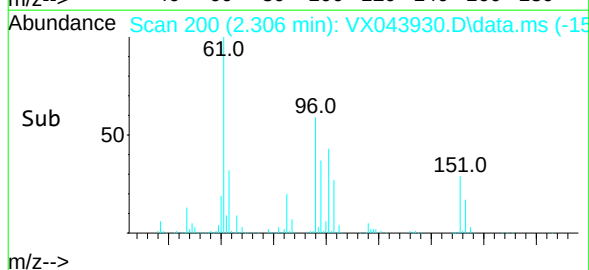
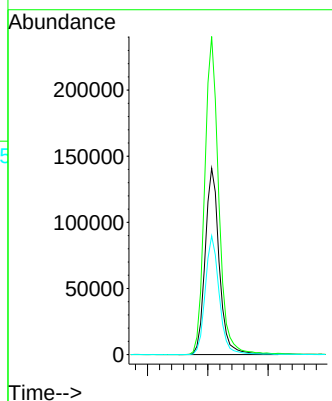
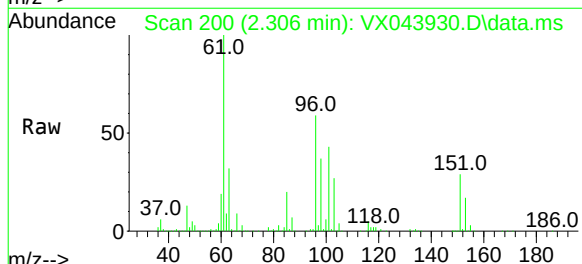
Tgt Ion: 96 Resp: 228504

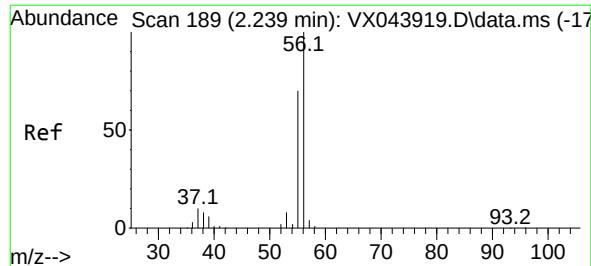
Ion Ratio Lower Upper

96 100

61 170.7 124.6 187.0

98 63.7 49.0 73.6





#13

Acrolein

Concen: 813.086 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 294638

Ion Ratio Lower Upper

56 100

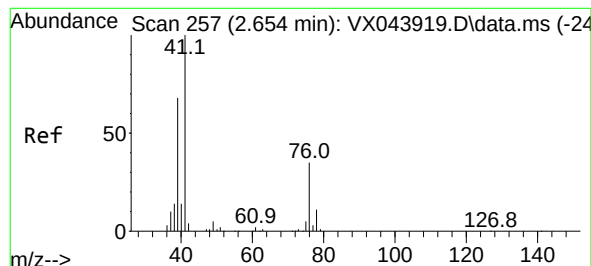
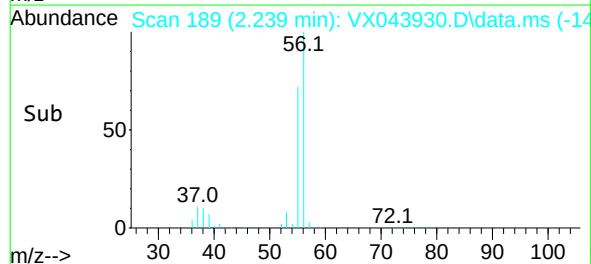
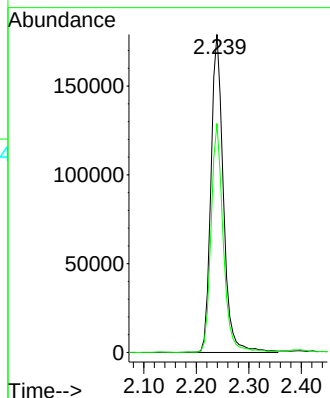
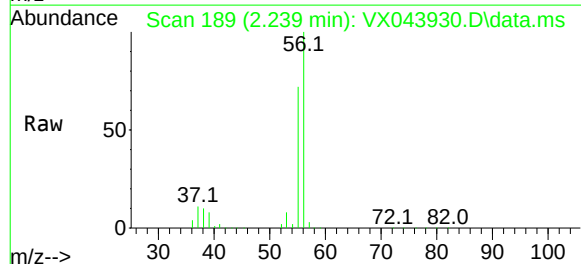
55 70.1 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 176.662 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

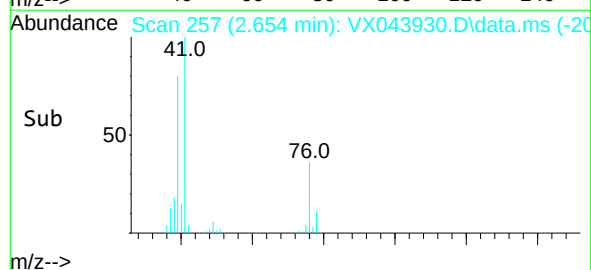
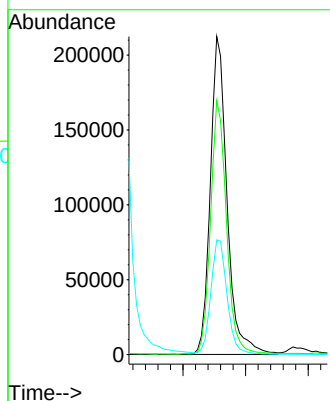
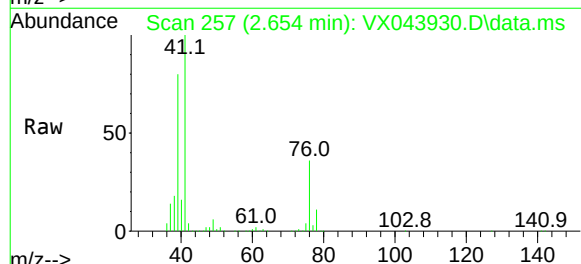
Tgt Ion: 41 Resp: 394228

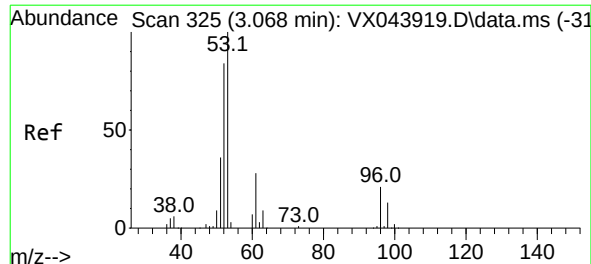
Ion Ratio Lower Upper

41 100

39 76.1 51.7 77.5

76 35.2 28.2 42.2





#15

Acrylonitrile

Concen: 822.558 ug/l

RT: 3.068 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

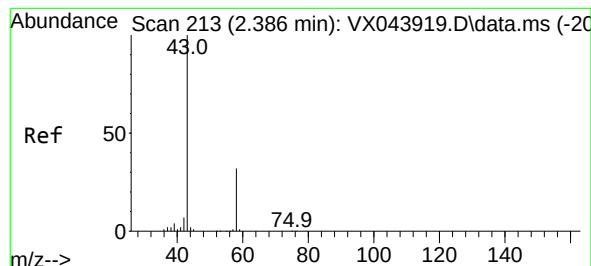
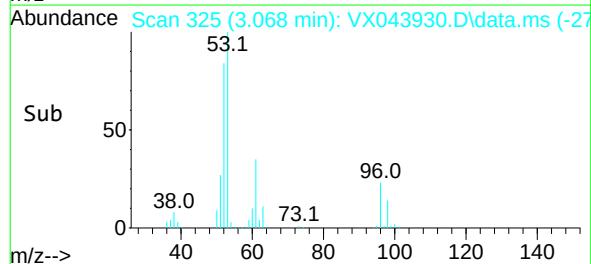
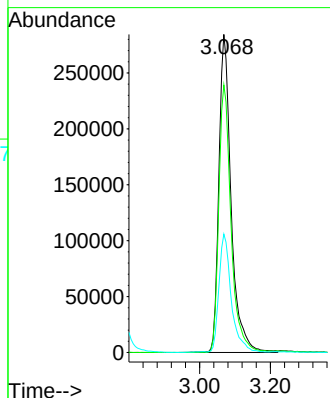
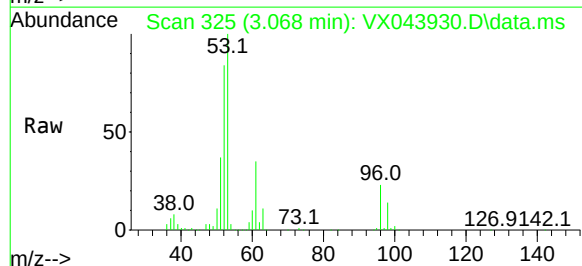
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	684169
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	37.1	28.6	42.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 899.588 ug/l

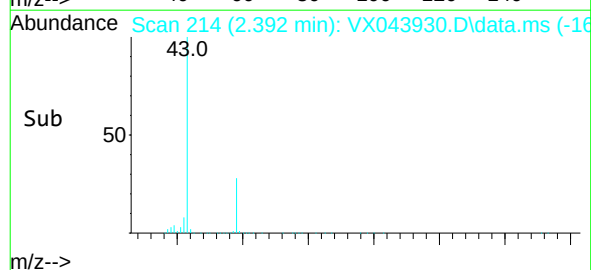
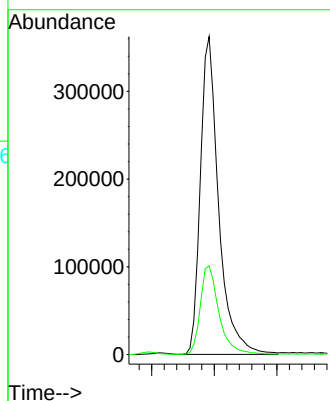
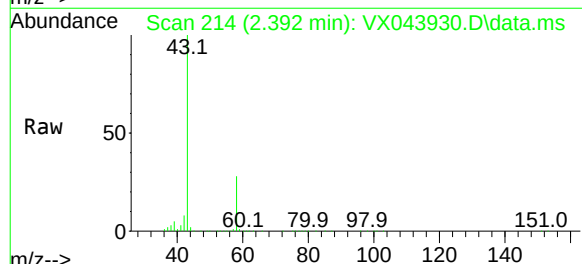
RT: 2.392 min Scan# 214

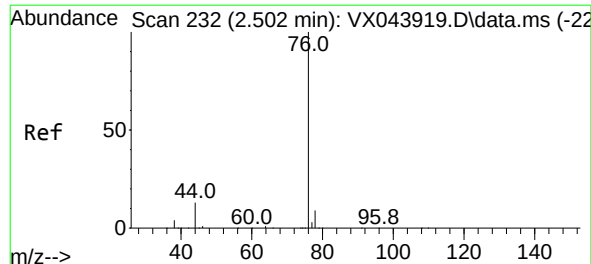
Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:	43	Resp:	734161
Ion	Ratio	Lower	Upper
43	100		
58	27.9	25.8	38.6





#17

Carbon Disulfide

Concen: 184.625 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 554853

Ion Ratio Lower Upper

76 100

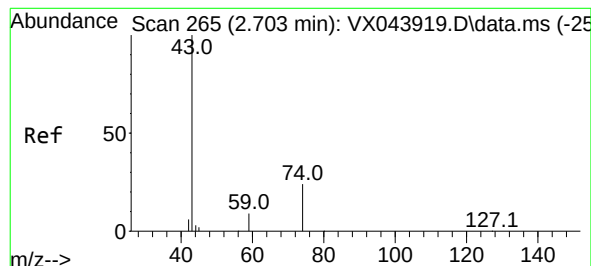
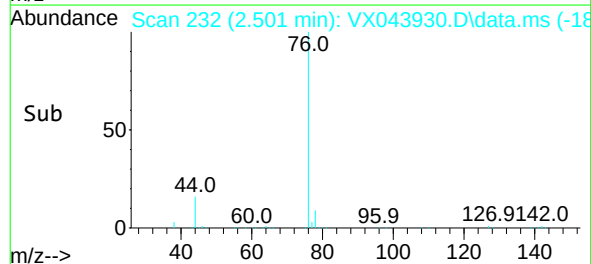
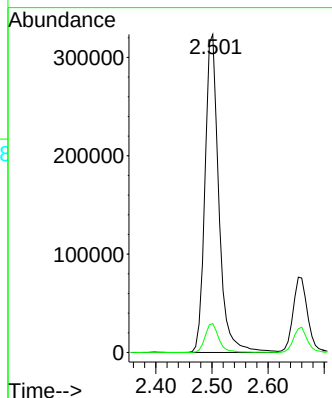
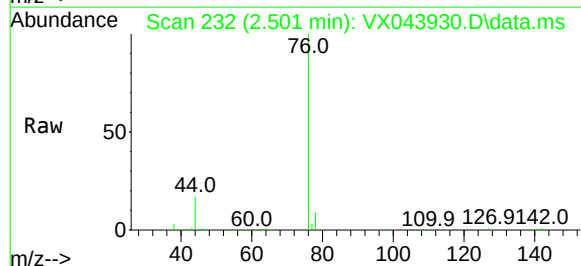
78 9.1 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 161.681 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043930.D

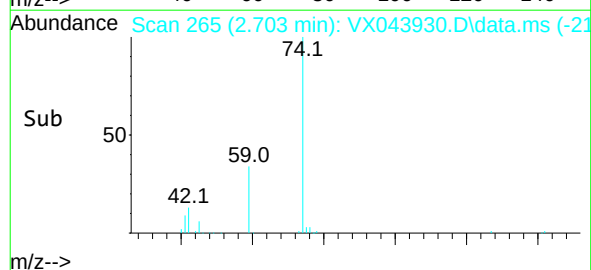
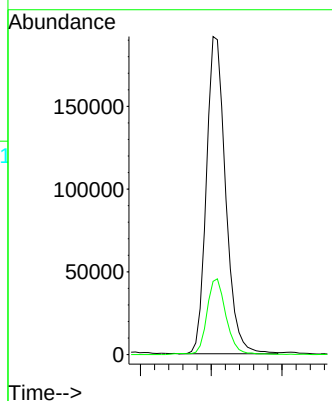
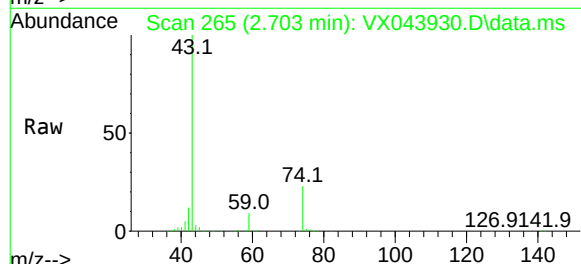
Acq: 21 Nov 2024 12:03

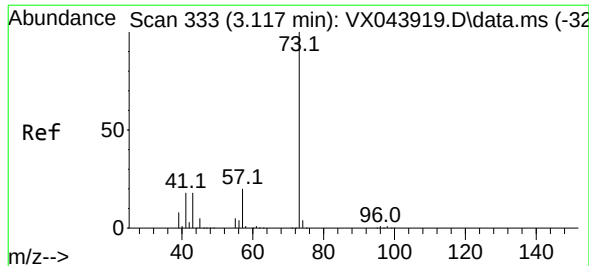
Tgt Ion: 43 Resp: 361338

Ion Ratio Lower Upper

43 100

74 24.0 20.1 30.1





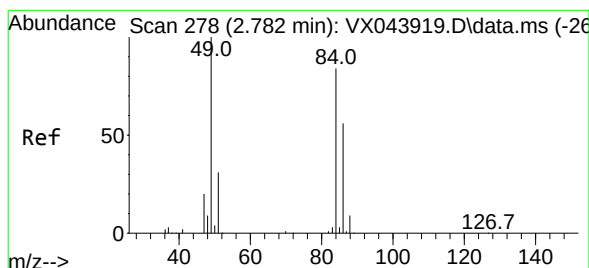
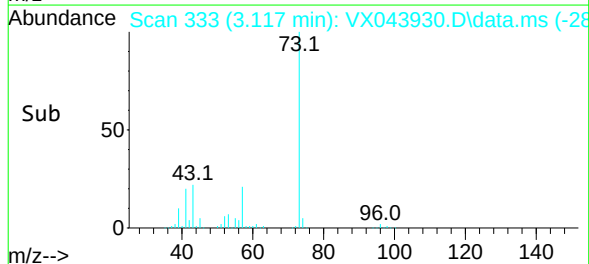
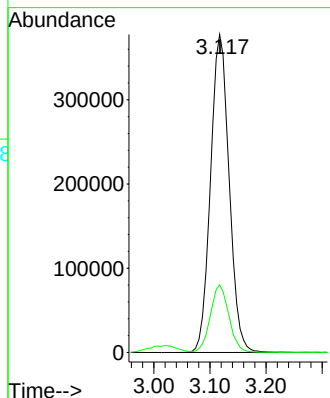
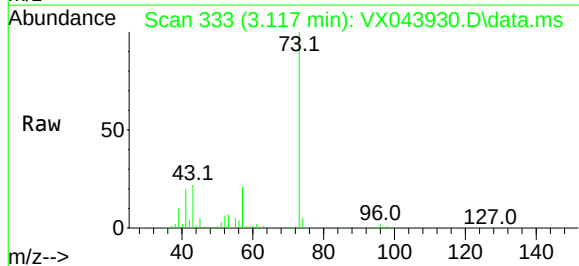
#19
Methyl tert-butyl Ether
Concen: 170.980 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 869848
Ion Ratio Lower Upper
73 100
57 21.2 16.4 24.6

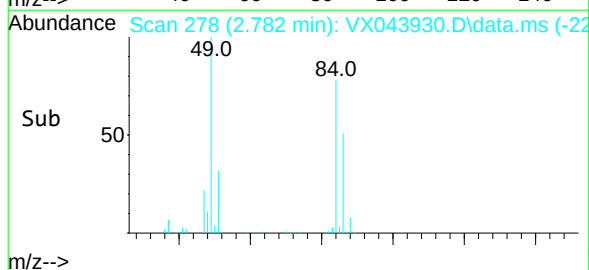
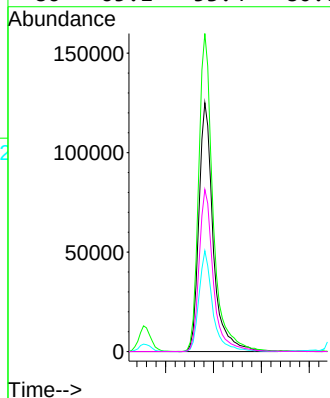
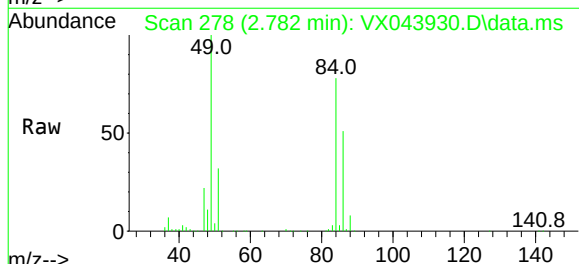
Manual Integrations
APPROVED

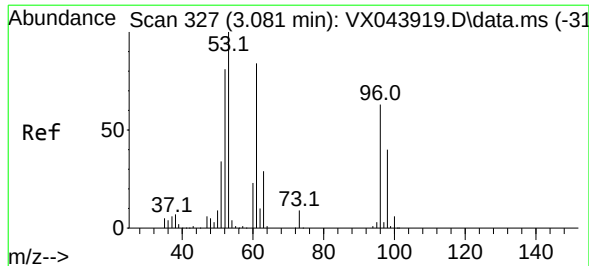
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#20
Methylene Chloride
Concen: 152.260 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099
Ion Ratio Lower Upper
84 100
49 127.7 95.1 142.7
51 40.5 29.2 43.8
86 65.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 163.596 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 245485

Ion Ratio Lower Upper

96 100

61 141.6 106.4 159.6

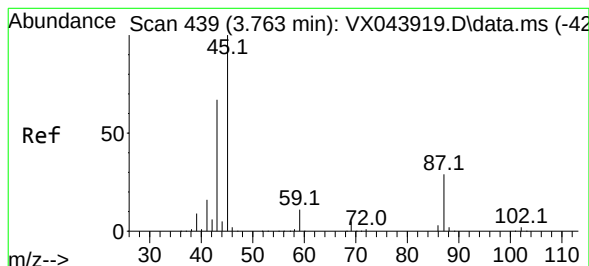
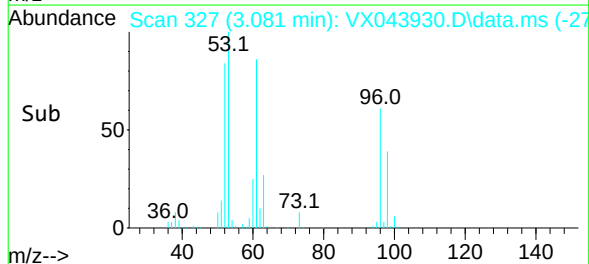
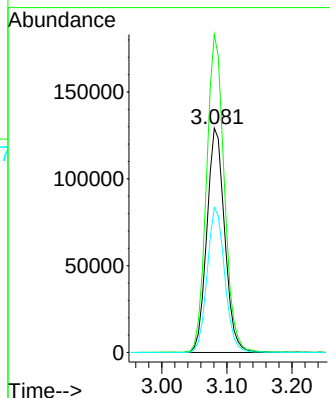
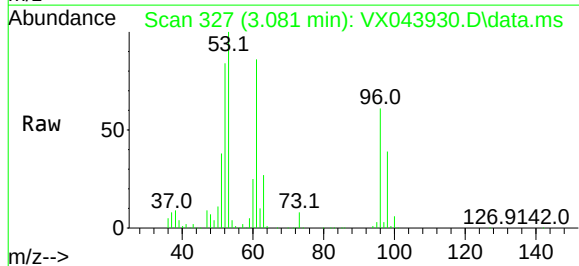
98 64.6 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 171.467 ug/l

RT: 3.763 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

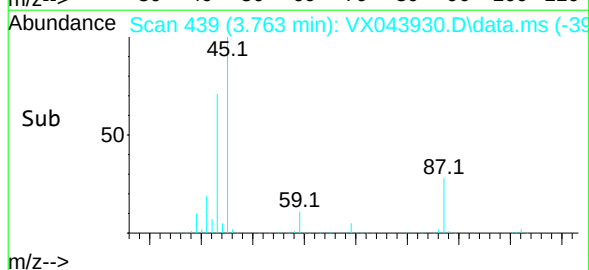
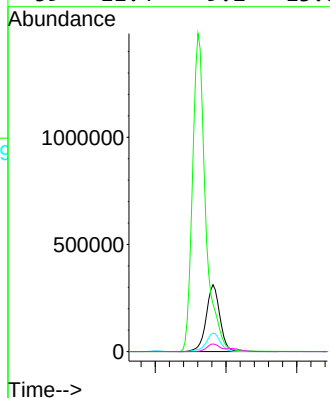
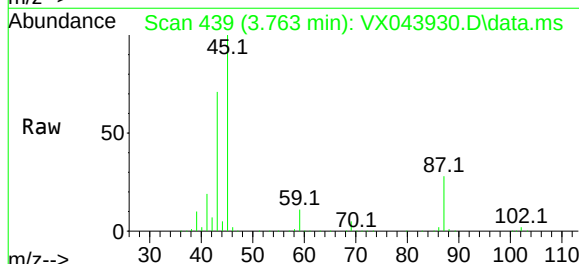
Ion Ratio Lower Upper

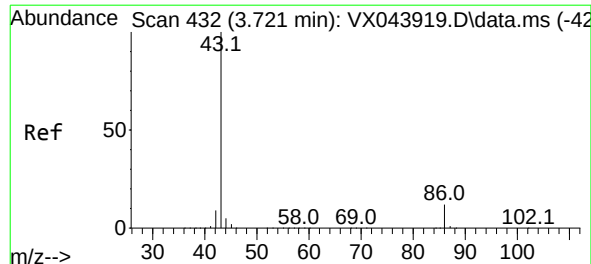
45 100

43 70.8 53.8 80.6

87 27.8 23.4 35.2

59 11.4 9.2 13.8





#23

Vinyl Acetate

Concen: 961.094 ug/l

RT: 3.721 min Scan# 43

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 3797951

Ion Ratio Lower Upper

43 100

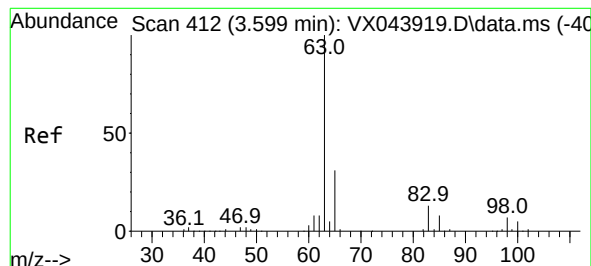
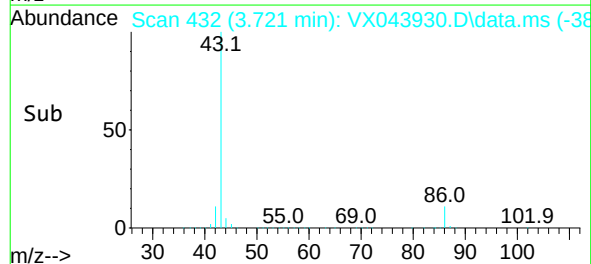
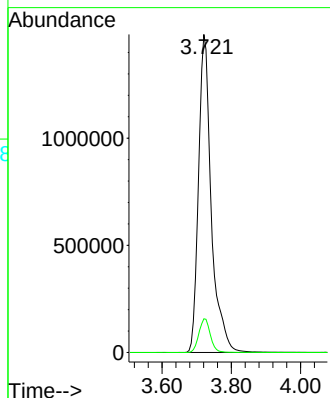
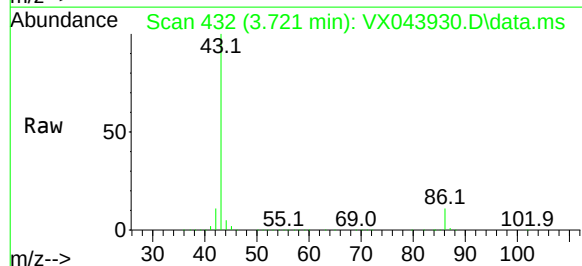
86 10.6 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 167.262 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

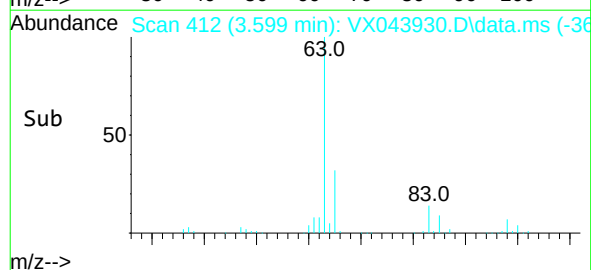
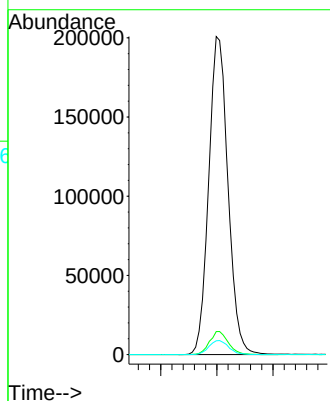
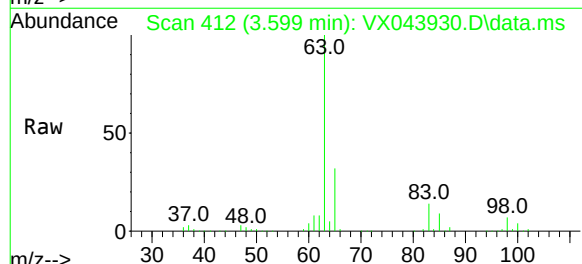
Tgt Ion: 63 Resp: 479590

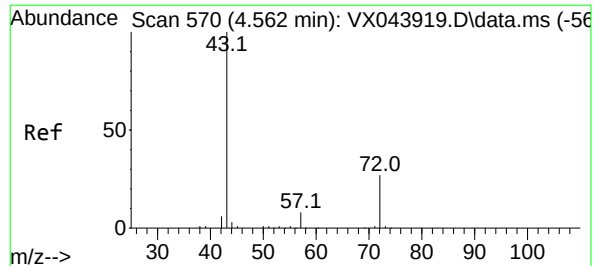
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 887.025 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1012692

Ion Ratio Lower Upper

43 100

72 25.2 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

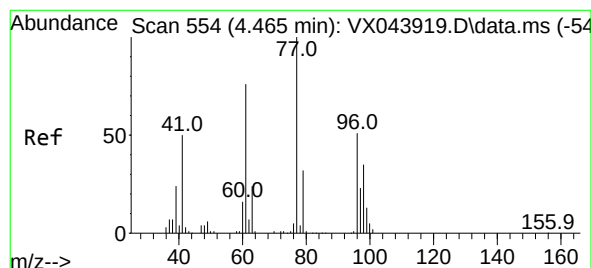
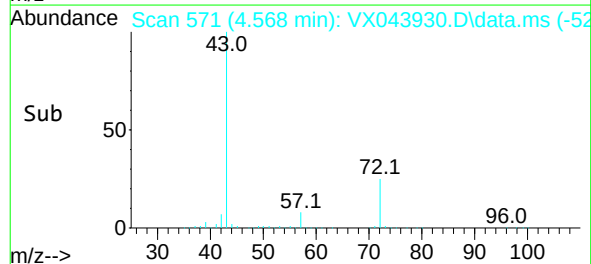
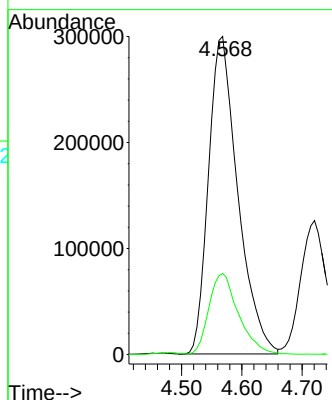
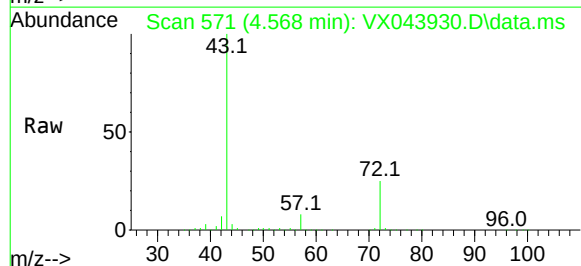
VSTDIC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 186.761 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043930.D

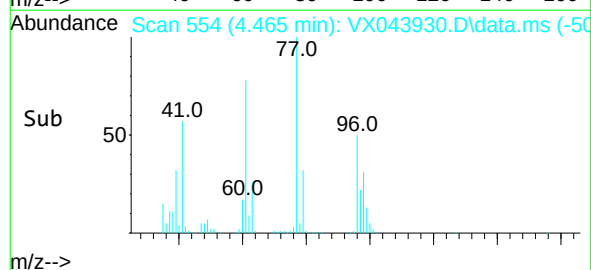
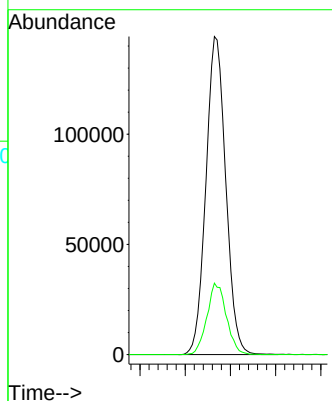
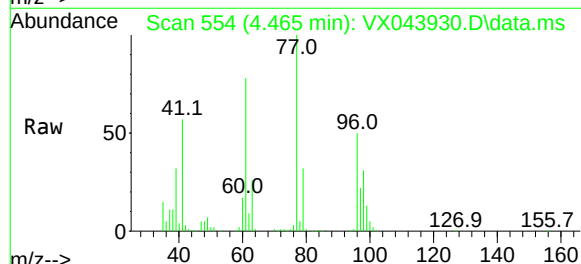
Acq: 21 Nov 2024 12:03

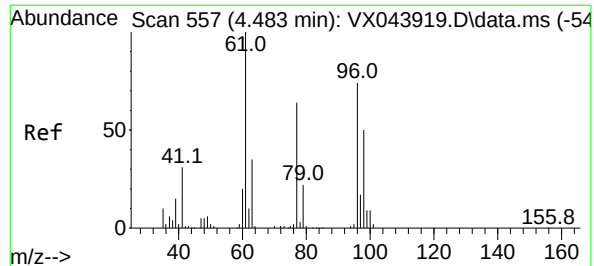
Tgt Ion: 77 Resp: 440061

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 162.978 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 304342

Ion Ratio Lower Upper

96 100

61 148.2 0.0 279.4

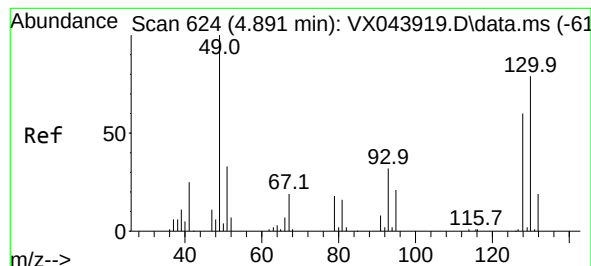
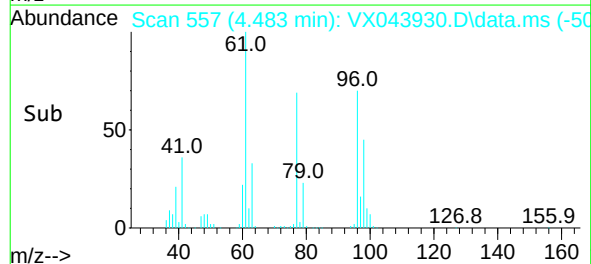
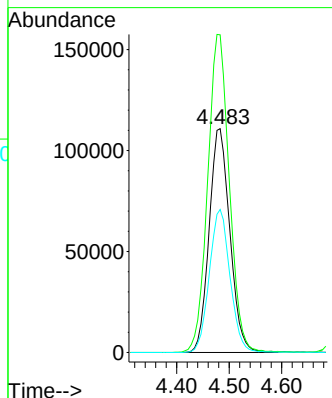
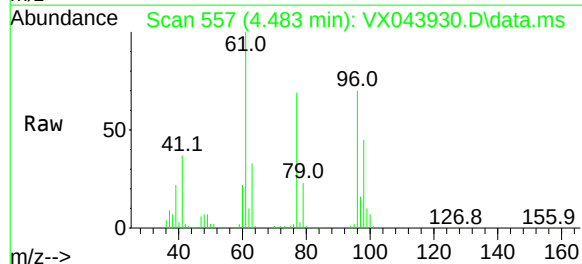
98 63.8 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 172.194 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

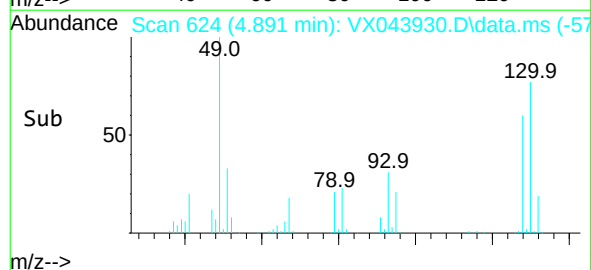
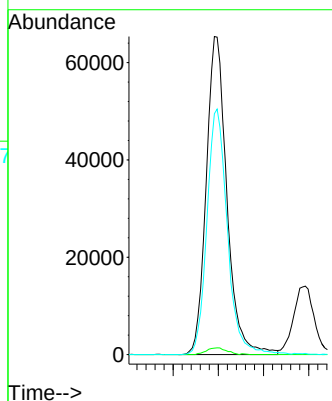
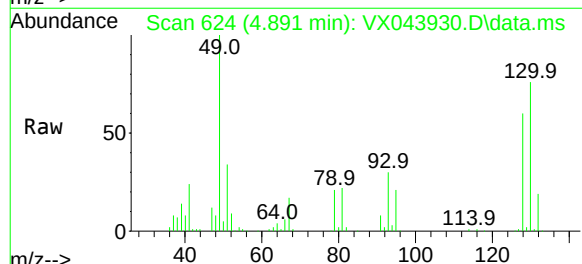
Tgt Ion: 49 Resp: 207753

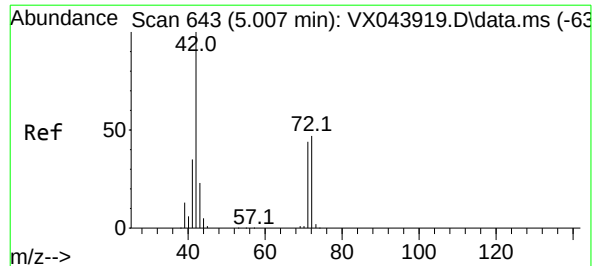
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 76.4 68.2 102.2





#29

Tetrahydrofuran

Concen: 836.734 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 42 Resp: 617277

Ion Ratio Lower Upper

42 100

72 45.8 37.9 56.9

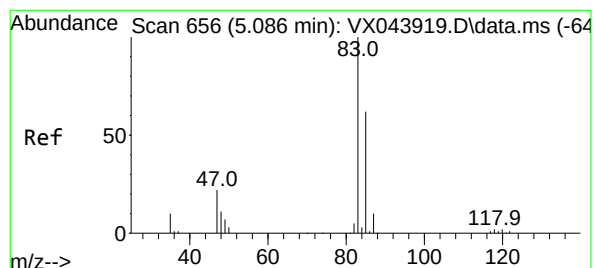
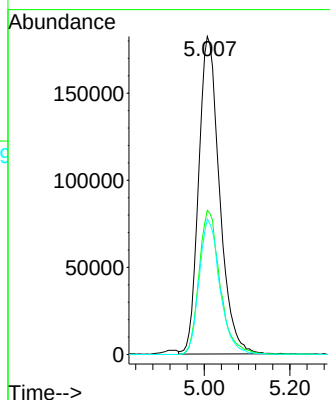
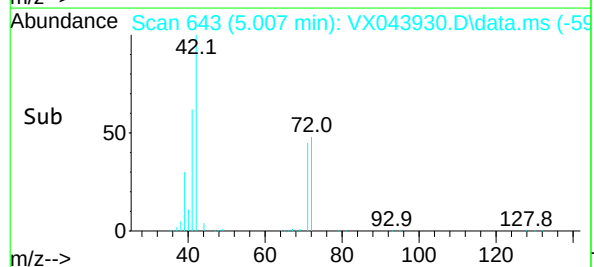
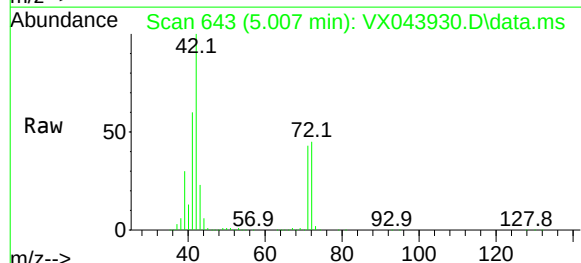
71 42.3 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 171.734 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX043930.D

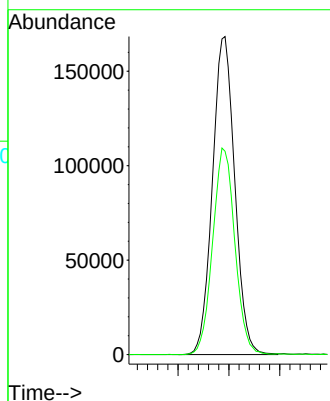
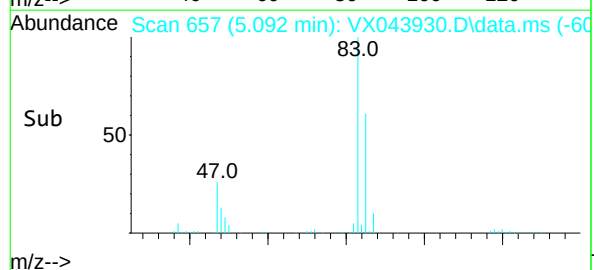
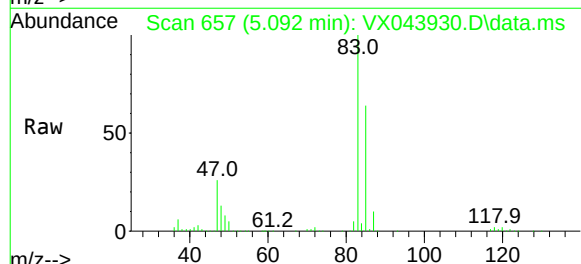
Acq: 21 Nov 2024 12:03

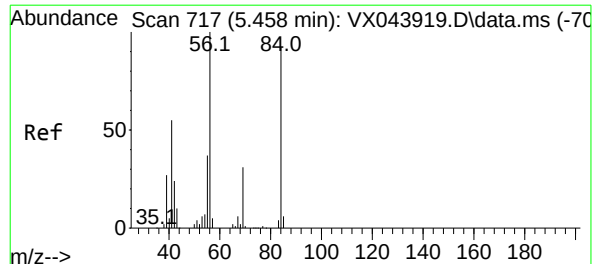
Tgt Ion: 83 Resp: 513285

Ion Ratio Lower Upper

83 100

85 63.9 49.7 74.5





#31

Cyclohexane

Concen: 157.989 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

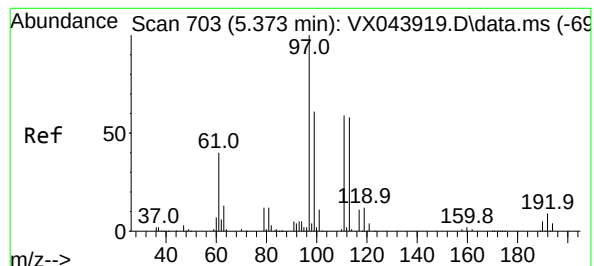
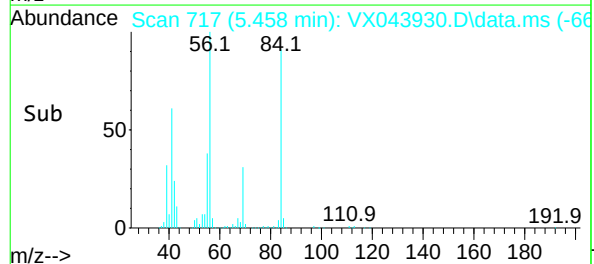
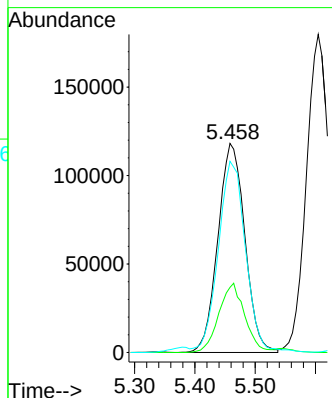
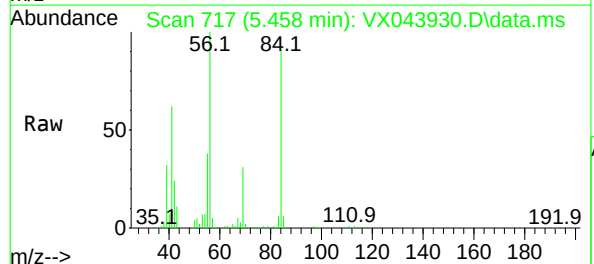
ClientSampleId :

VSTDICC150

Tgt Ion:	56	Resp:	367157
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	89.9	73.8	110.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 178.438 ug/l

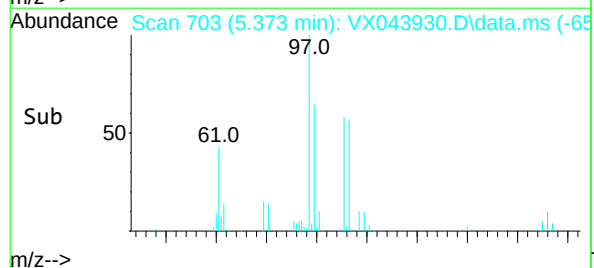
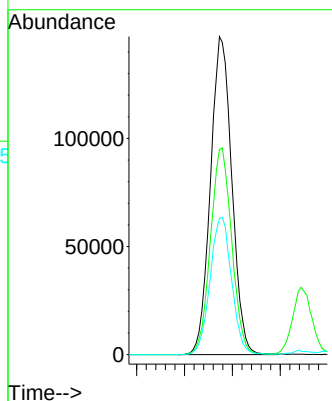
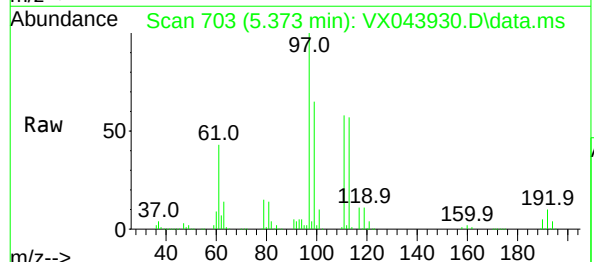
RT: 5.373 min Scan# 703

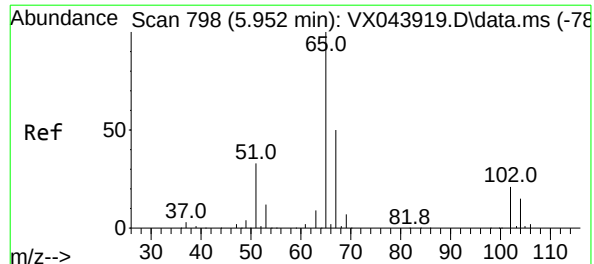
Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:	97	Resp:	455922
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	43.5	32.9	49.3





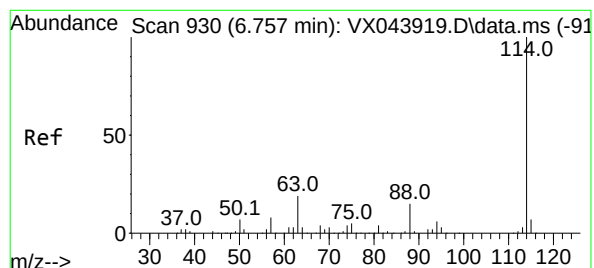
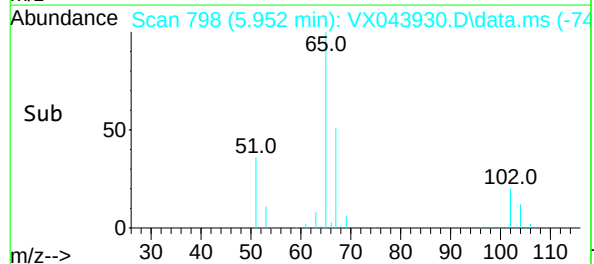
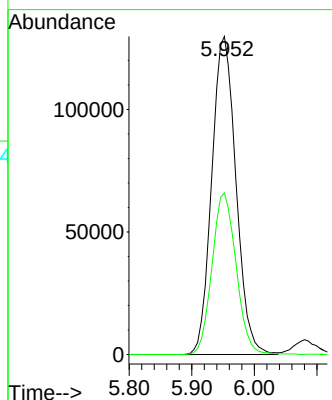
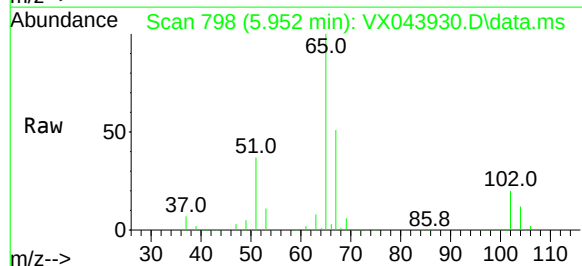
#33
1,2-Dichloroethane-d4
Concen: 171.797 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 349080
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.2

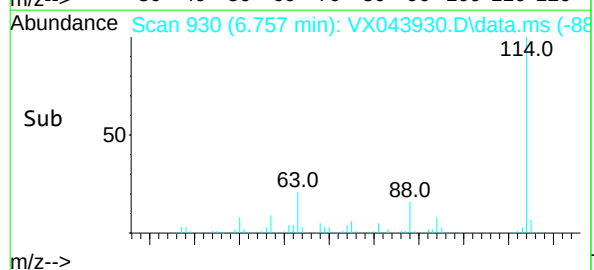
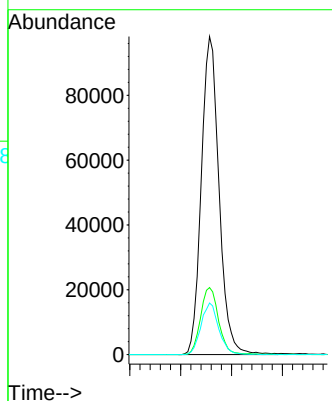
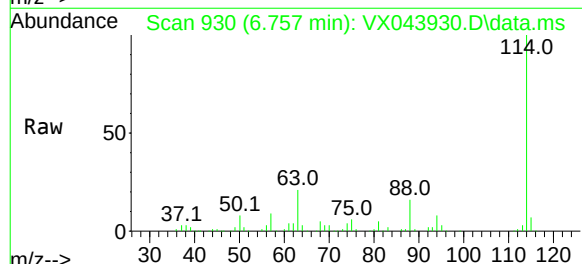
Manual Integrations
APPROVED

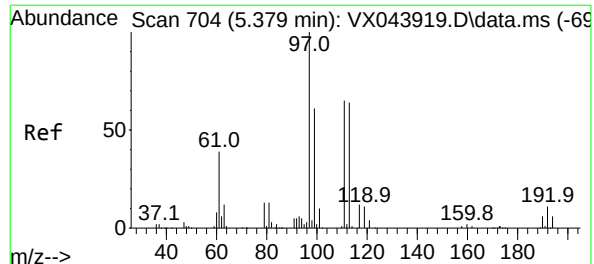
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.0
88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 168.036 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 268135

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.6

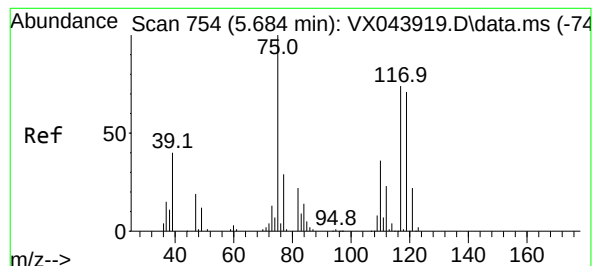
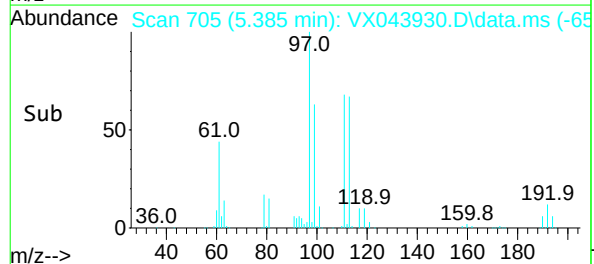
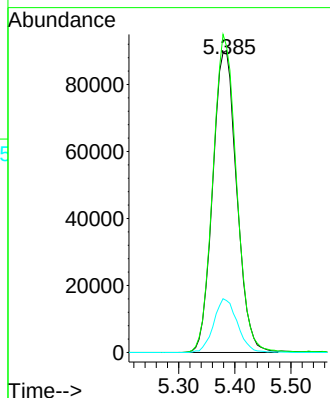
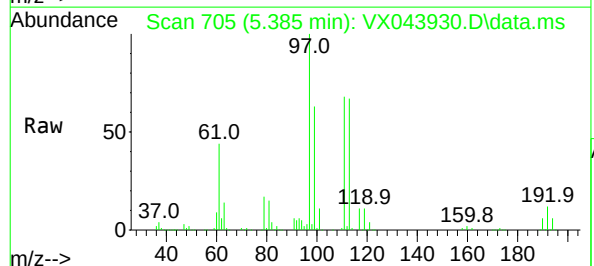
192 17.6 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 166.559 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

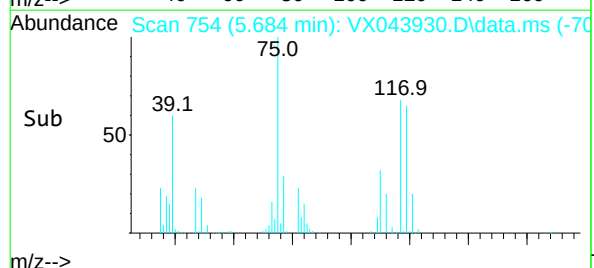
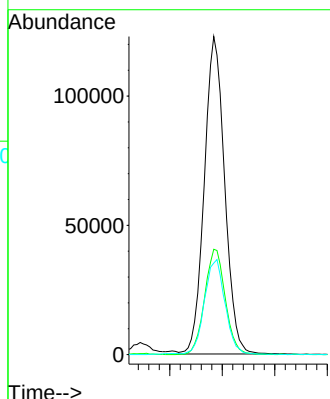
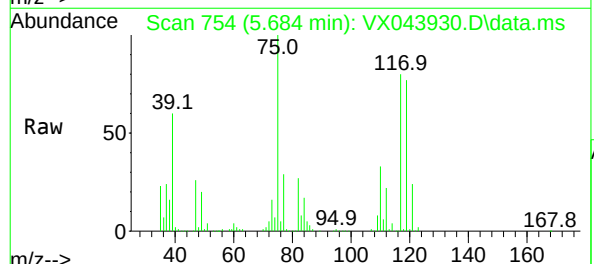
Tgt Ion: 75 Resp: 331239

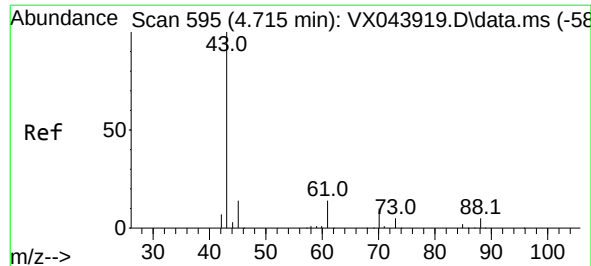
Ion Ratio Lower Upper

75 100

110 33.6 17.5 52.5

77 30.3 24.9 37.3





#37

Ethyl Acetate

Concen: 175.887 ug/l

RT: 4.721 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

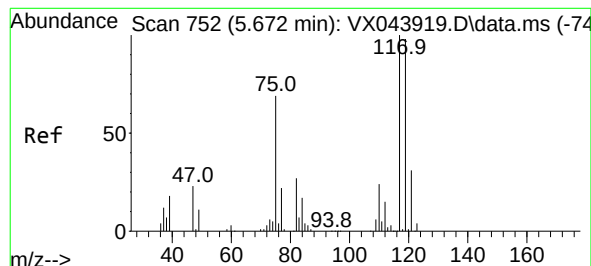
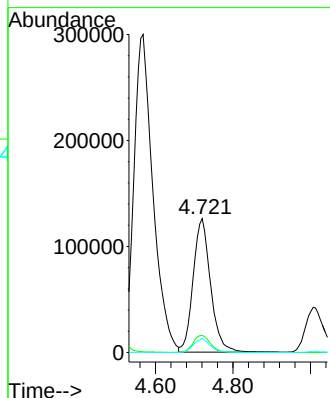
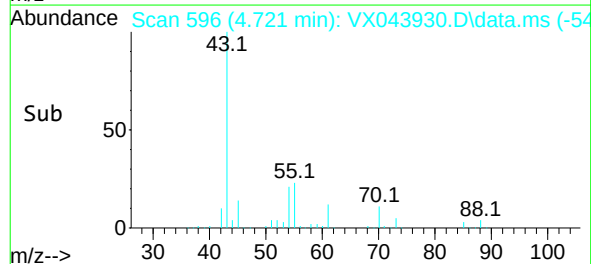
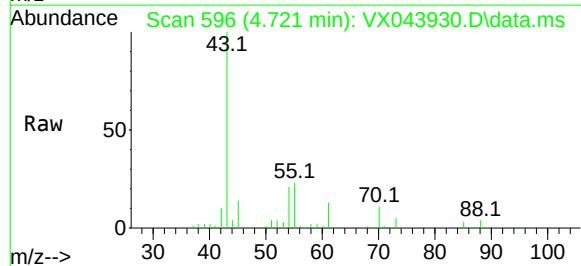
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	393670
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.5	17.3
70	9.9	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 178.719 ug/l

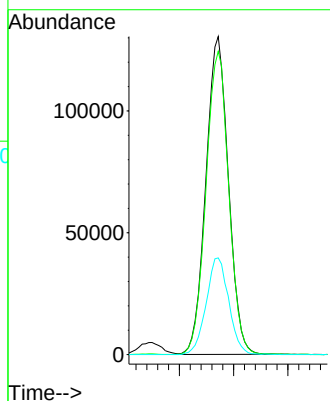
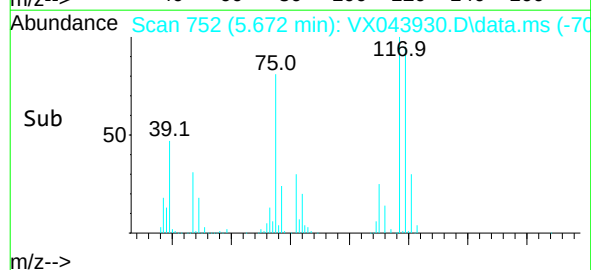
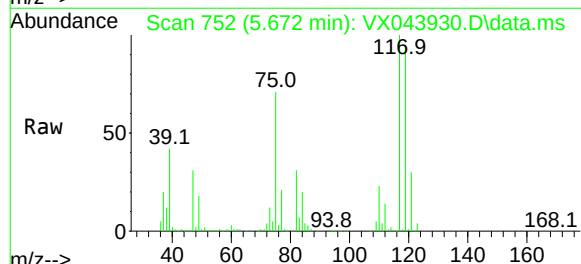
RT: 5.672 min Scan# 752

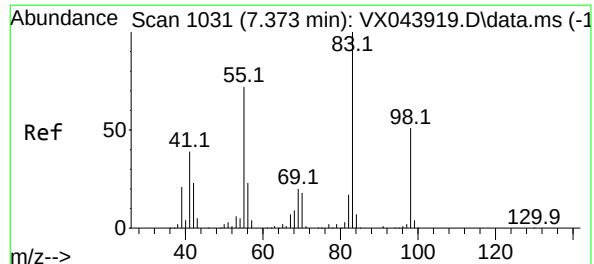
Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:	117	Resp:	376287
Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.3	117.5
121	30.4	25.1	37.7





#39

Methylcyclohexane

Concen: 164.816 ug/l

RT: 7.372 min Scan# 10

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 410333

Ion Ratio Lower Upper

83 100

55 76.4 57.9 86.9

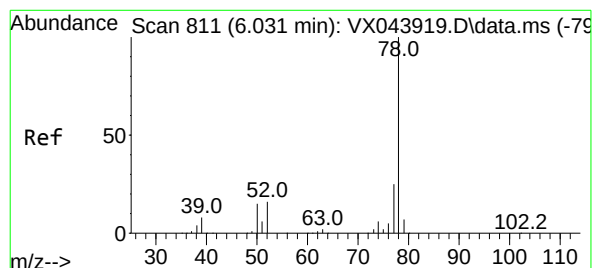
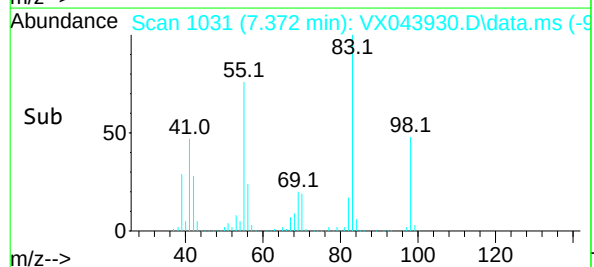
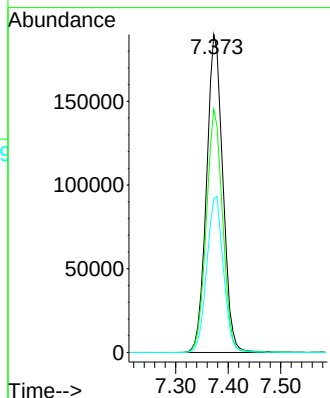
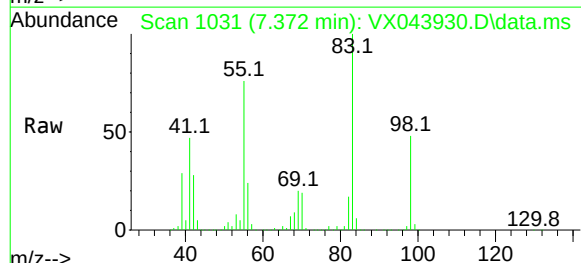
98 48.3 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 159.808 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX043930.D

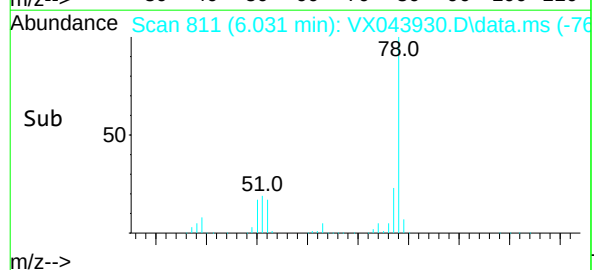
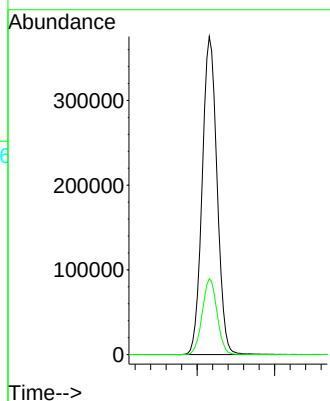
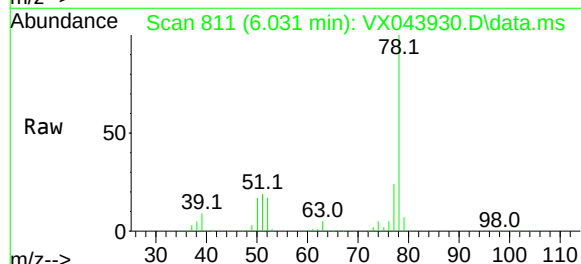
Acq: 21 Nov 2024 12:03

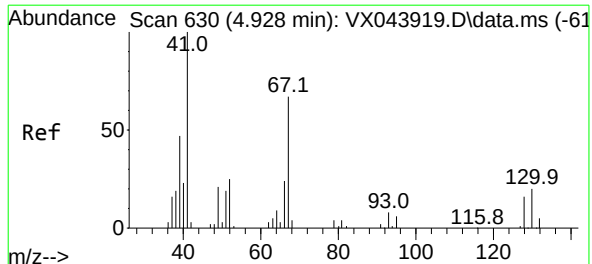
Tgt Ion: 78 Resp: 999210

Ion Ratio Lower Upper

78 100

77 23.9 19.8 29.8





#41

Methacrylonitrile

Concen: 176.637 ug/l

RT: 4.922 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 206026

Ion Ratio Lower Upper

41 100

39 57.7 41.2 61.8

67 73.5 60.3 90.5

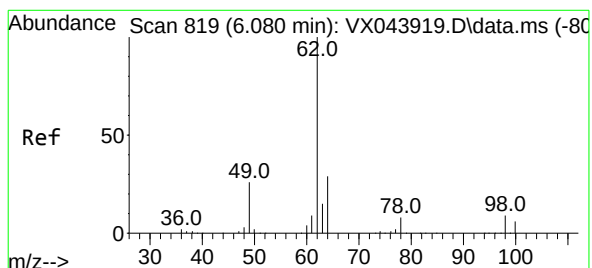
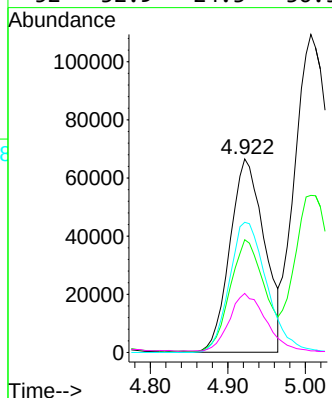
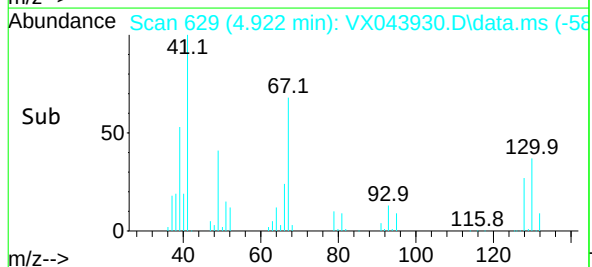
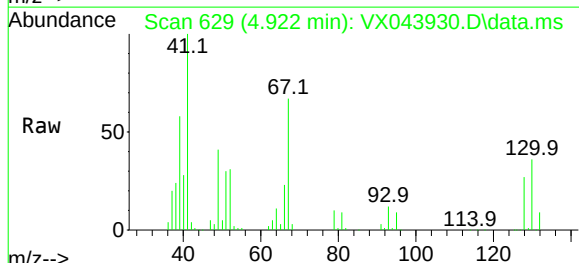
52 32.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 175.089 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX043930.D

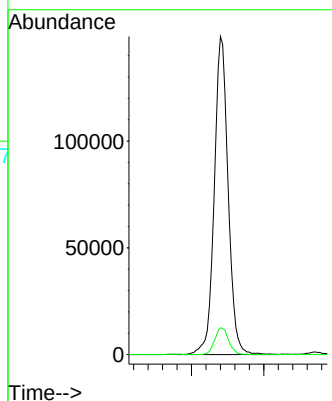
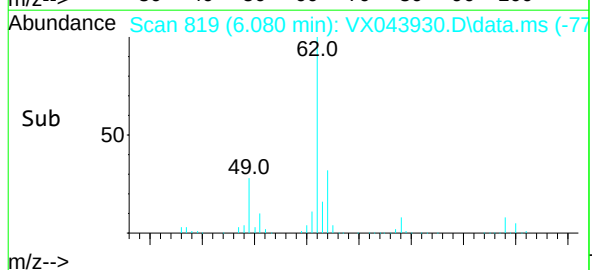
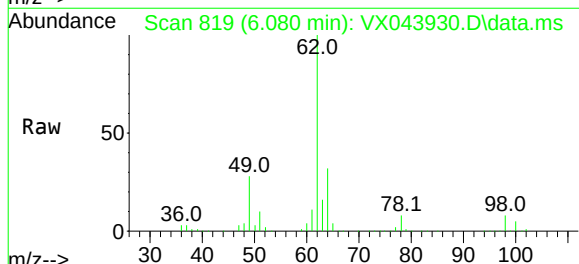
Acq: 21 Nov 2024 12:03

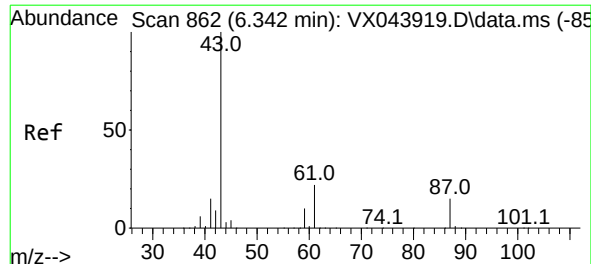
Tgt Ion: 62 Resp: 397508

Ion Ratio Lower Upper

62 100

98 8.5 0.0 18.6





#43

Isopropyl Acetate

Concen: 187.445 ug/l

RT: 6.342 min Scan# 86

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 661839

Ion Ratio Lower Upper

43 100

61 18.4 16.9 25.3

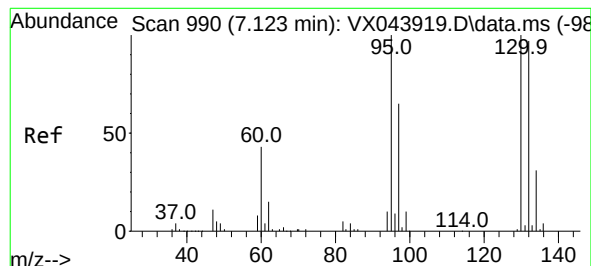
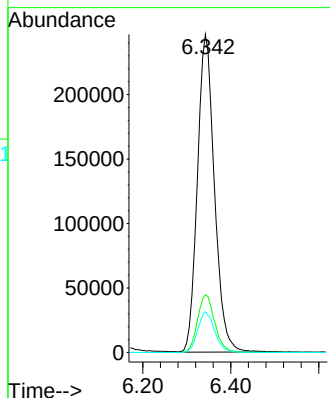
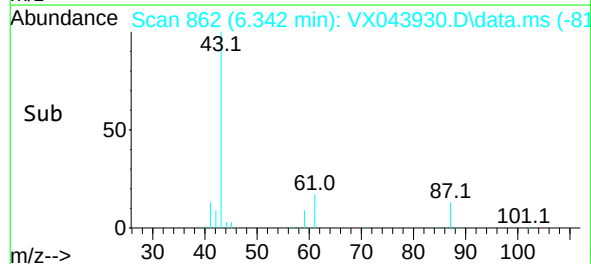
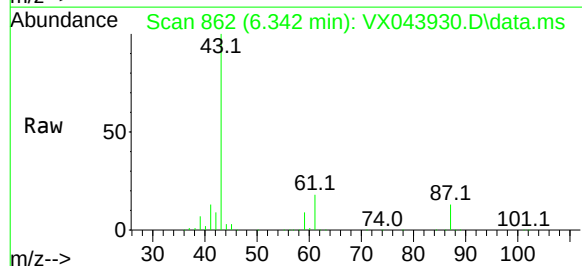
87 12.7 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 145.657 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX043930.D

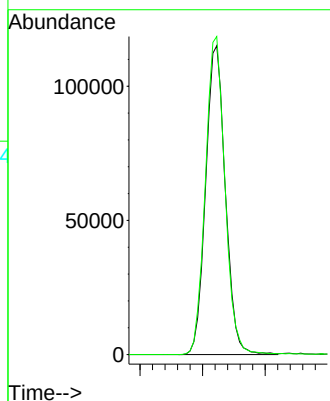
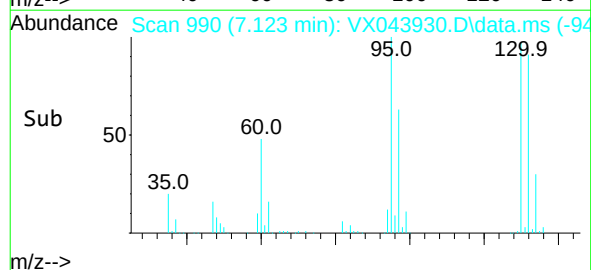
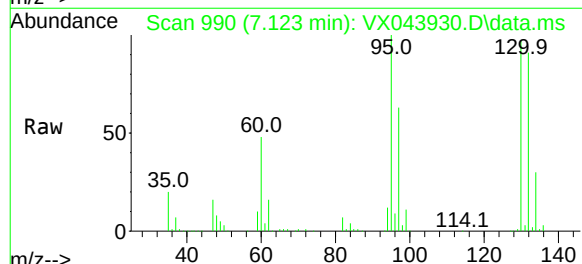
Acq: 21 Nov 2024 12:03

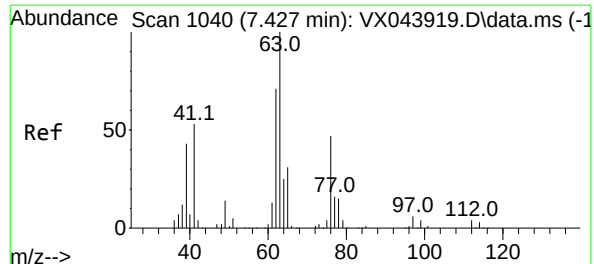
Tgt Ion:130 Resp: 251071

Ion Ratio Lower Upper

130 100

95 103.0 0.0 200.8





#45

1,2-Dichloropropane

Concen: 162.744 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 249394

Ion Ratio Lower Upper

63 100

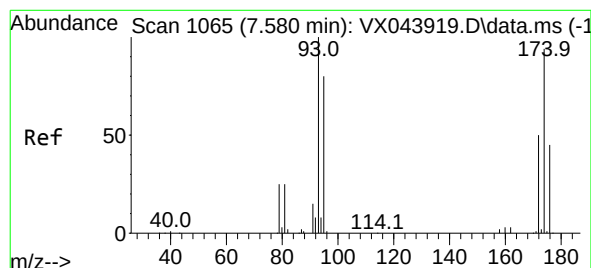
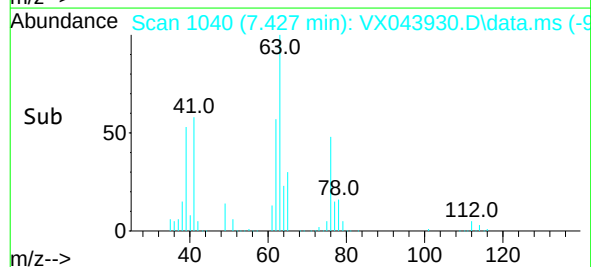
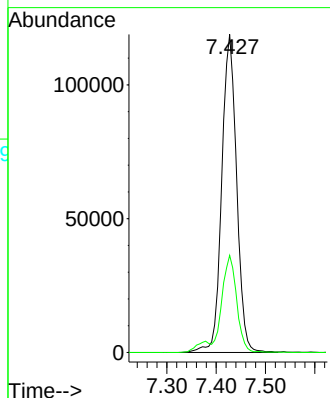
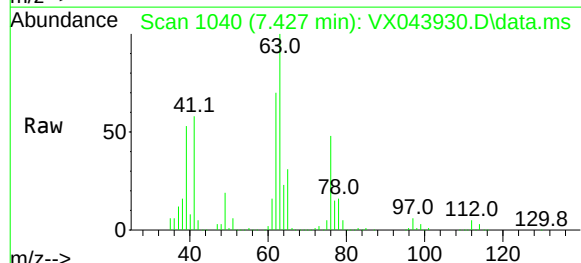
65 30.5 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 175.212 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

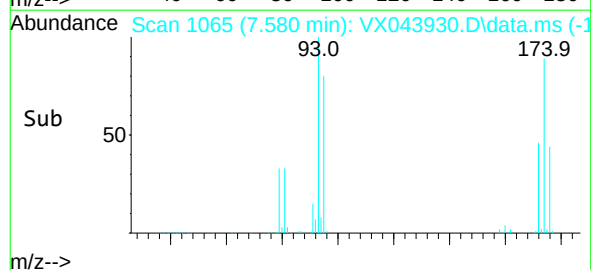
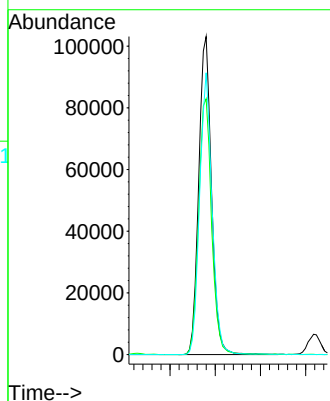
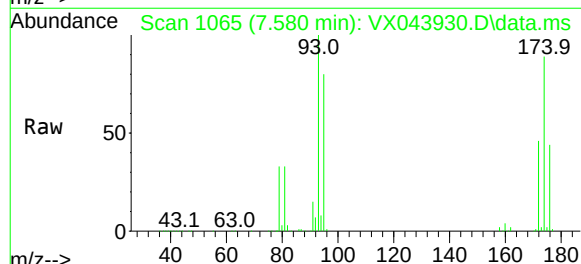
Tgt Ion: 93 Resp: 202329

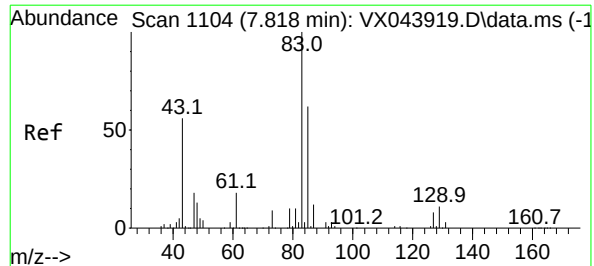
Ion Ratio Lower Upper

93 100

95 81.9 66.1 99.1

174 86.4 75.2 112.8





#47

Bromodichloromethane

Concen: 191.362 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 388259

Ion Ratio Lower Upper

83 100

85 64.6 49.4 74.0

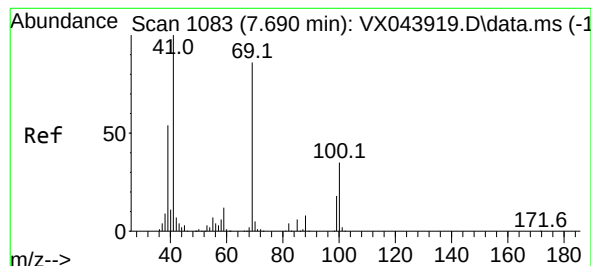
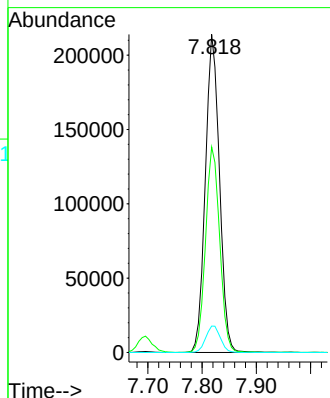
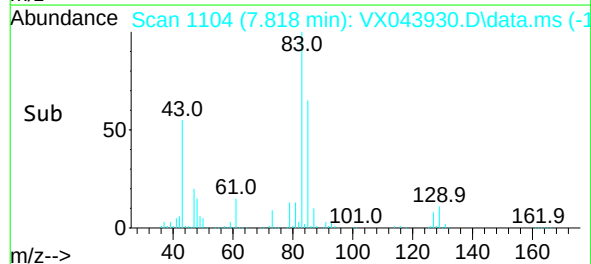
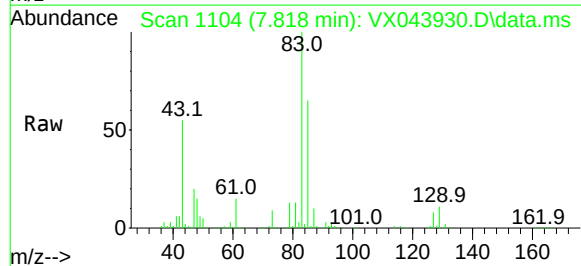
127 8.3 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 180.493 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

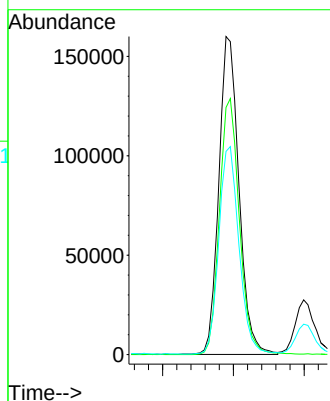
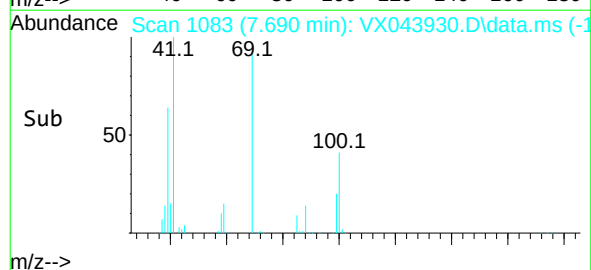
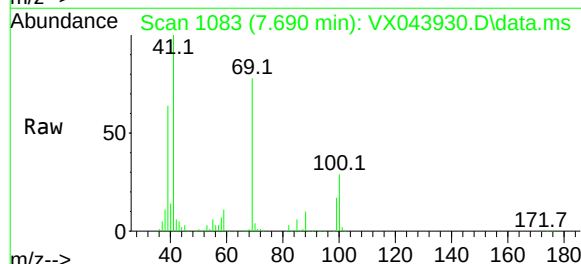
Tgt Ion: 41 Resp: 315872

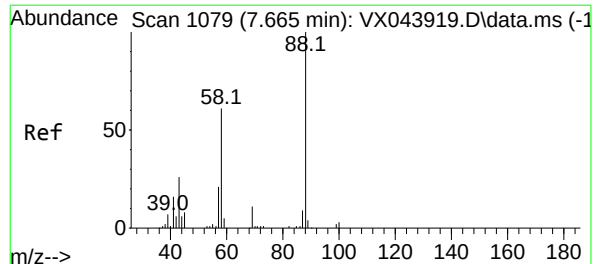
Ion Ratio Lower Upper

41 100

69 80.1 72.1 108.1

39 65.4 43.8 65.8





#49

1,4-Dioxane

Concen: 2860.706 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 106634

Ion Ratio Lower Upper

88 100

43 35.6 17.4 26.0

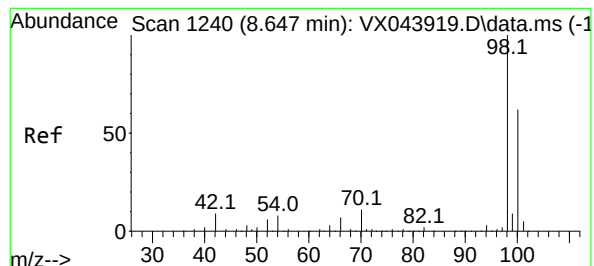
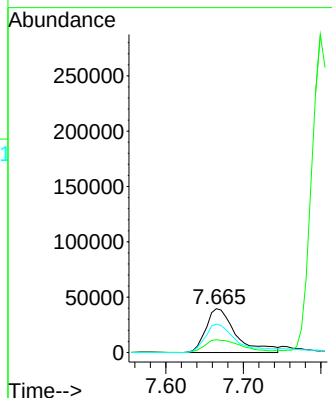
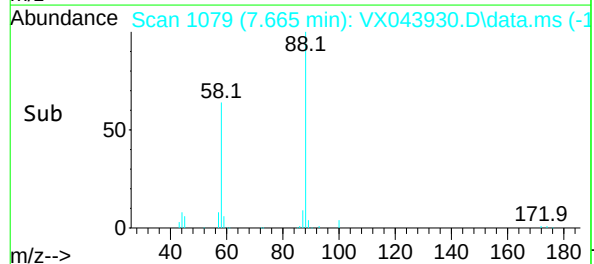
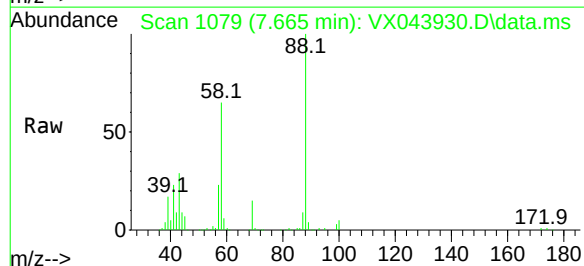
58 66.2 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 168.154 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043930.D

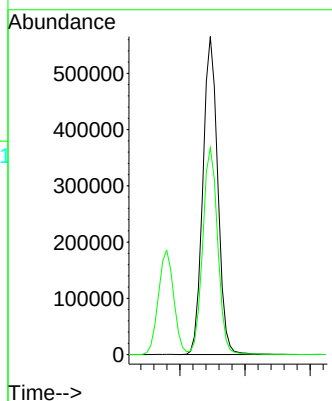
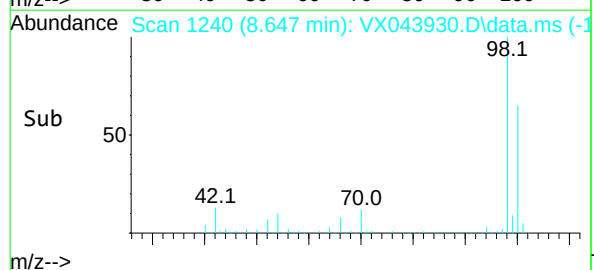
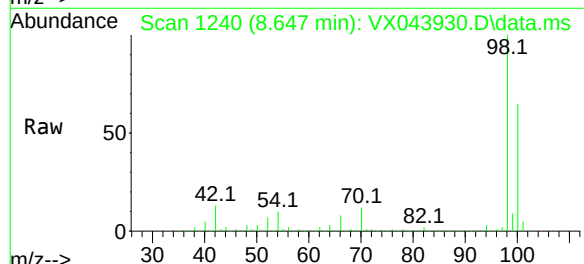
Acq: 21 Nov 2024 12:03

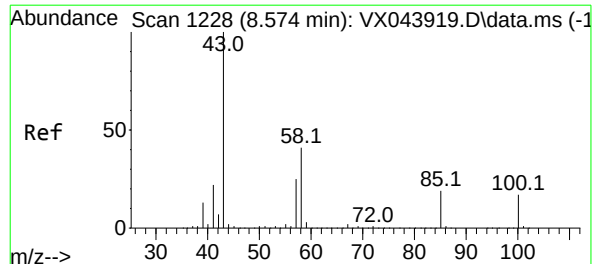
Tgt Ion: 98 Resp: 896413

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 887.971 ug/l

RT: 8.580 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX043930.D

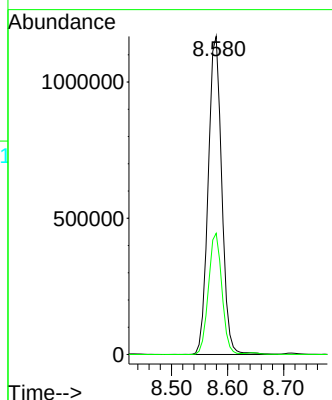
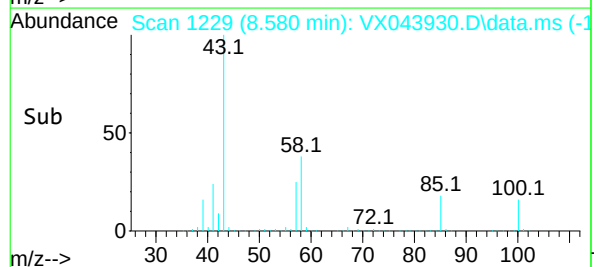
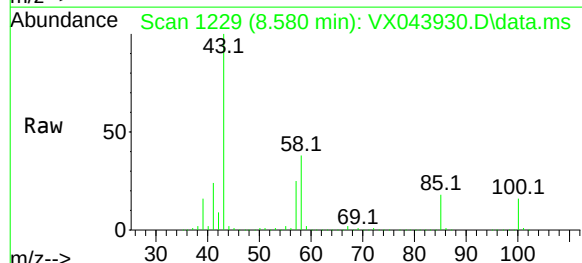
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1954925

Ion Ratio Lower Upper

43 100

58 37.8 32.4 48.6



Instrument :

MSVOA_X

ClientSampleId :

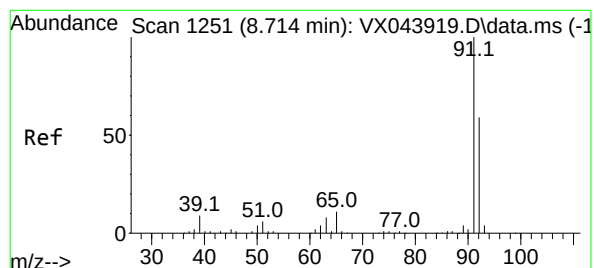
VSTDICC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 168.323 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043930.D

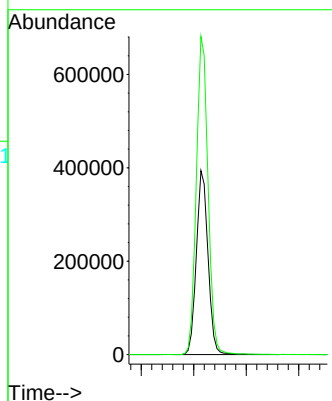
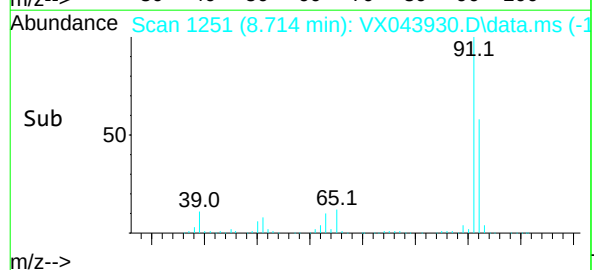
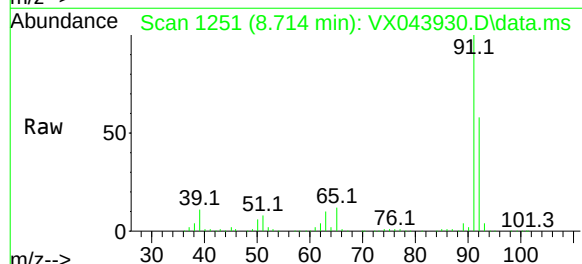
Acq: 21 Nov 2024 12:03

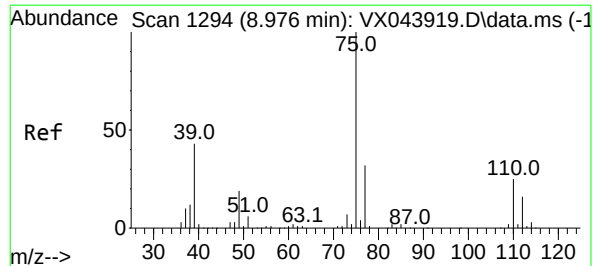
Tgt Ion: 92 Resp: 607179

Ion Ratio Lower Upper

92 100

91 173.9 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 197.387 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043930.D

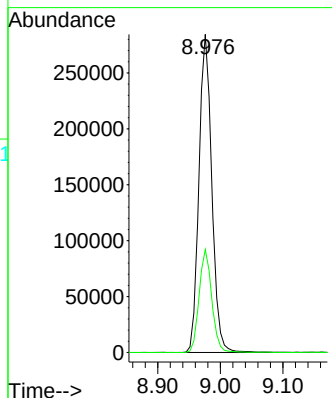
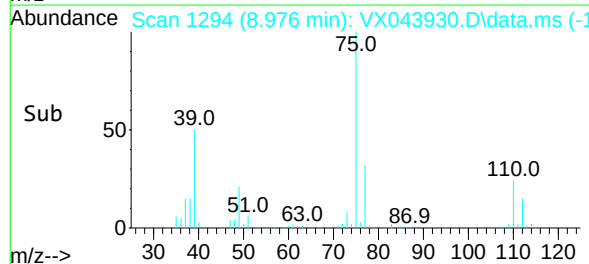
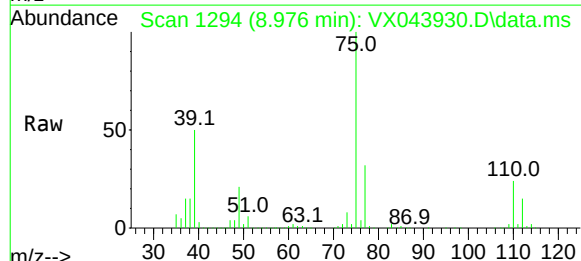
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 406346

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



Instrument :

MSVOA_X

ClientSampleId :

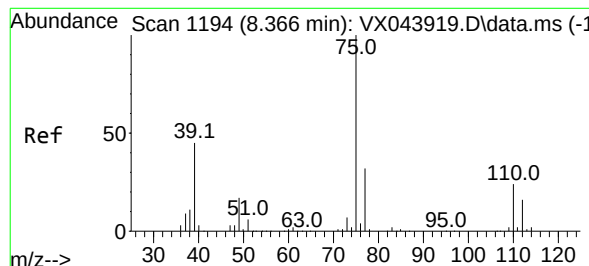
VSTDIC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 183.704 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

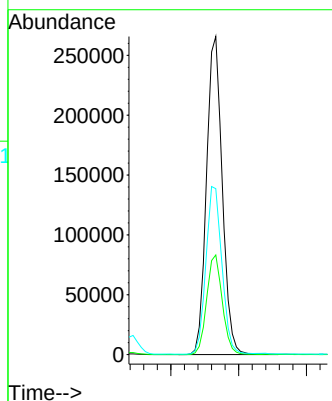
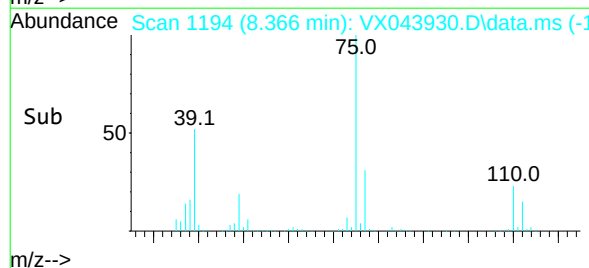
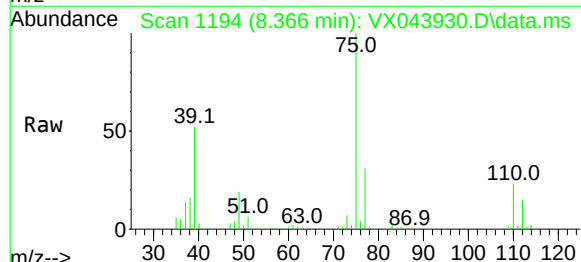
Tgt Ion: 75 Resp: 428549

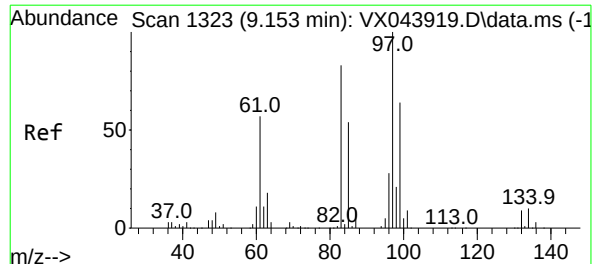
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

39 52.0 36.1 54.1





#55

1,1,2-Trichloroethane

Concen: 174.579 ug/l

RT: 9.153 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 245706

Ion Ratio Lower Upper

97 100

83 83.3 66.5 99.7

85 54.7 43.4 65.2

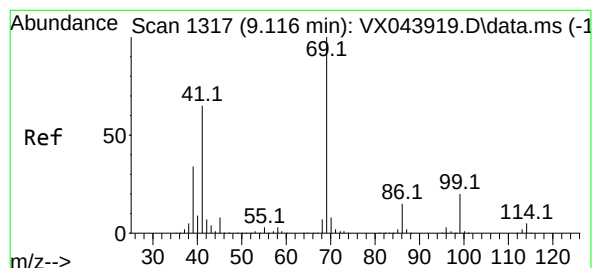
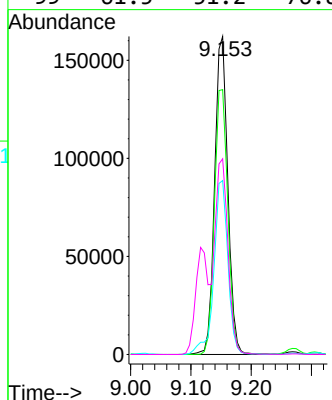
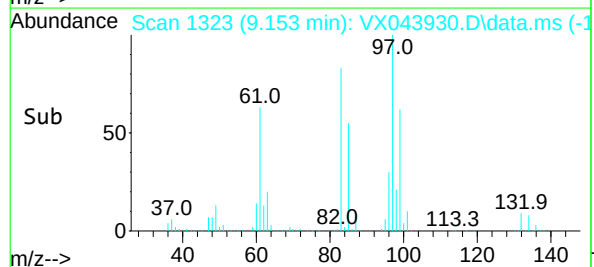
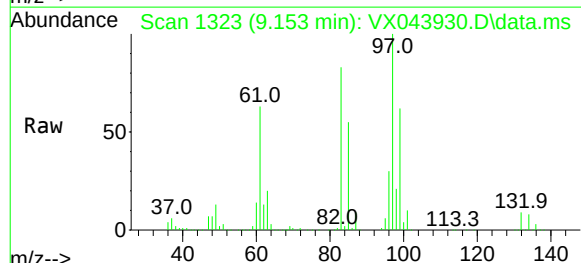
99 61.5 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 188.658 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

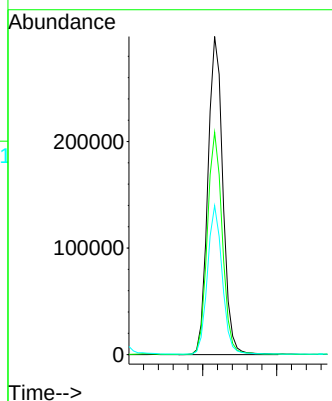
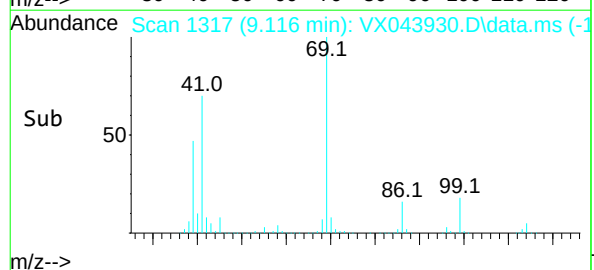
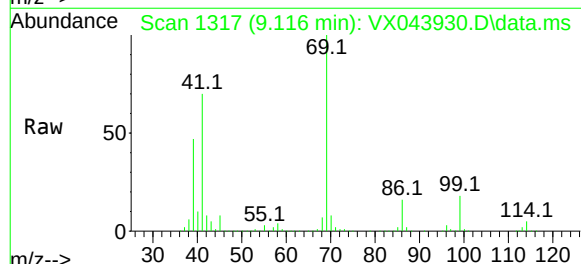
Tgt Ion: 69 Resp: 420409

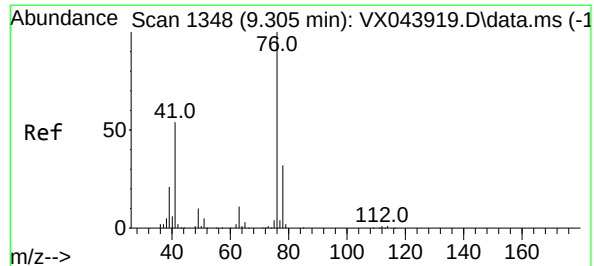
Ion Ratio Lower Upper

69 100

41 69.6 51.7 77.5

39 45.9 26.8 40.2#





#57

1,3-Dichloropropane

Concen: 176.770 ug/l

RT: 9.305 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 416811

Ion Ratio Lower Upper

76 100

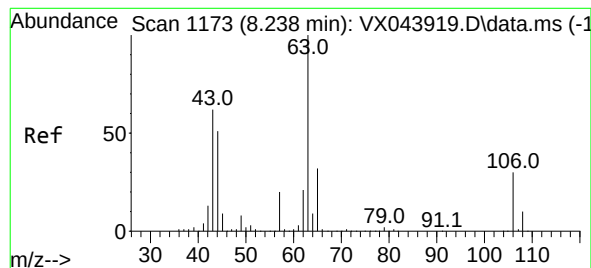
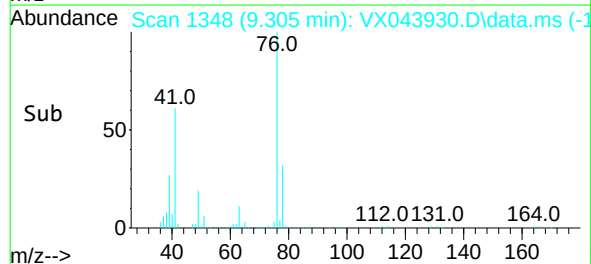
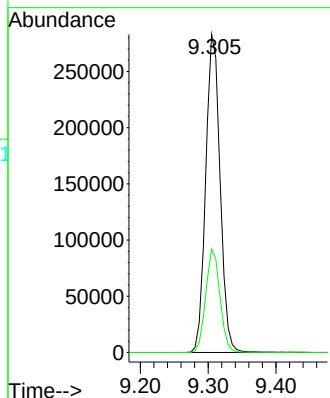
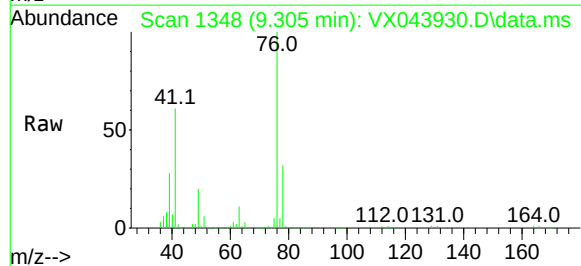
78 32.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 875.887 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX043930.D

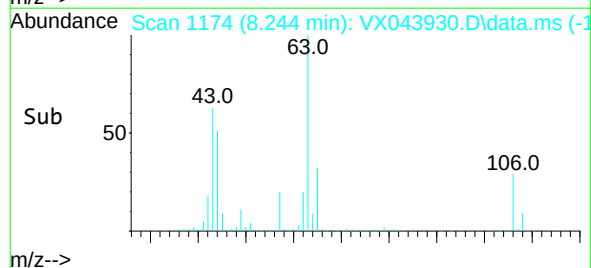
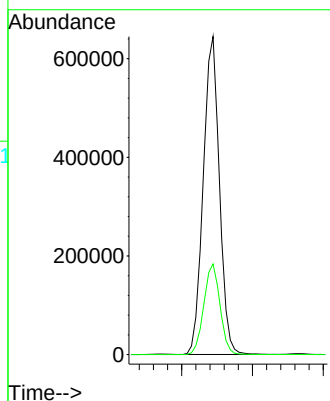
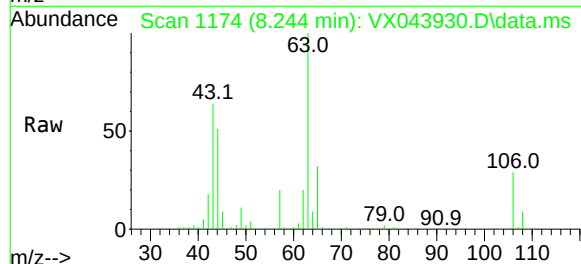
Acq: 21 Nov 2024 12:03

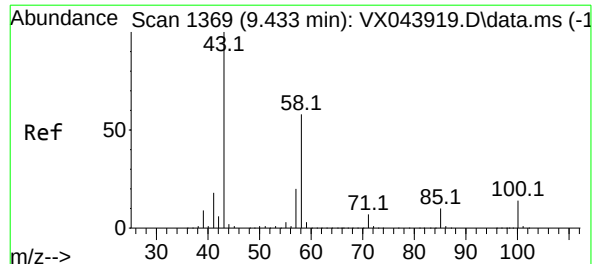
Tgt Ion: 63 Resp: 1023576

Ion Ratio Lower Upper

63 100

106 28.5 23.8 35.6





#59

2-Hexanone

Concen: 961.650 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX043930.D

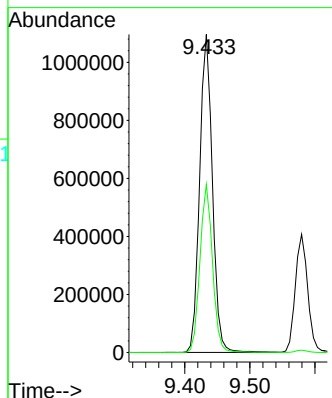
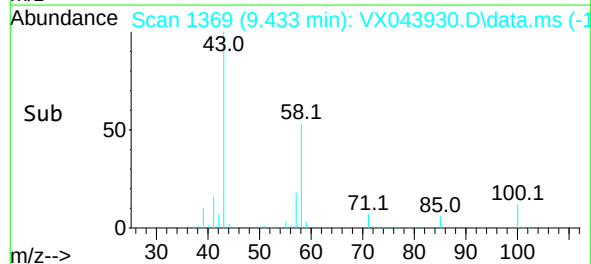
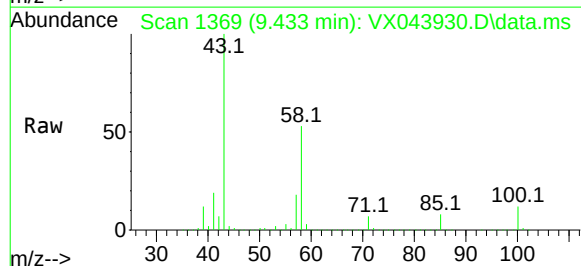
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1493755

Ion Ratio Lower Upper

43 100

58 52.1 28.3 84.9



Instrument :

MSVOA_X

ClientSampleId :

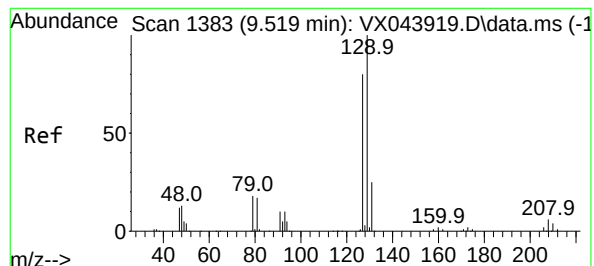
VSTDICC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 208.679 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043930.D

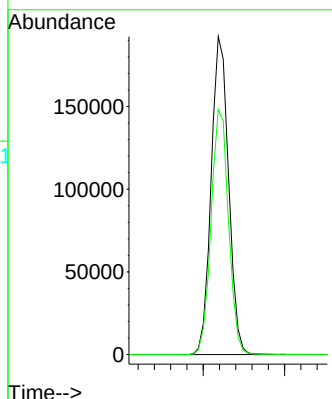
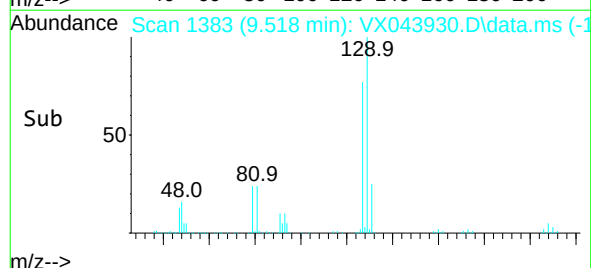
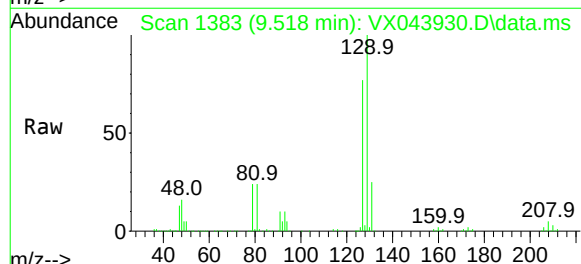
Acq: 21 Nov 2024 12:03

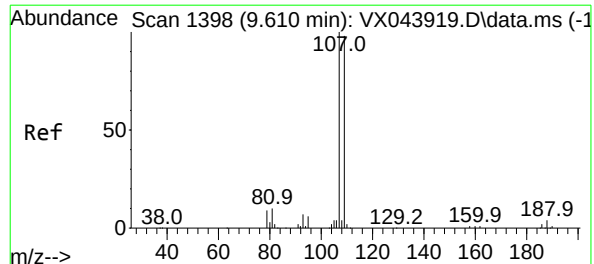
Tgt Ion:129 Resp: 286188

Ion Ratio Lower Upper

129 100

127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 178.035 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:107 Resp: 261369

Ion Ratio Lower Upper

107 100

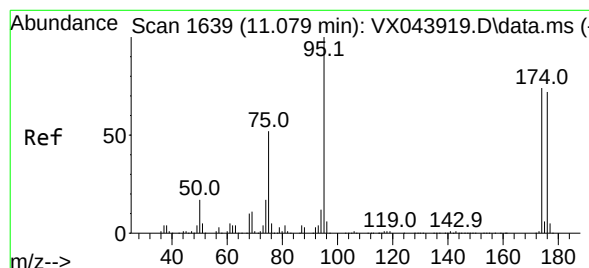
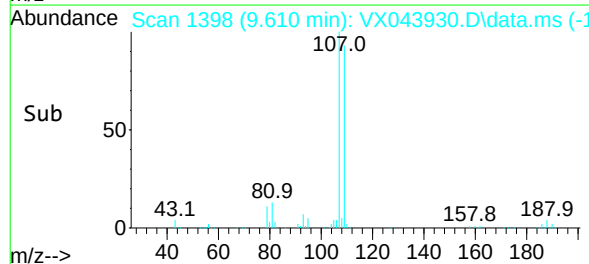
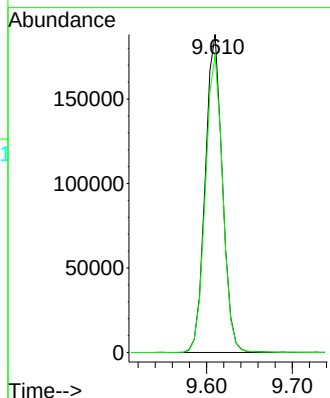
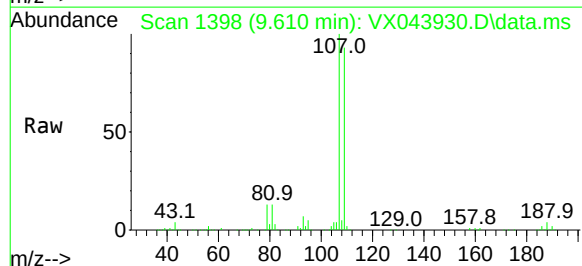
109 95.1 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 184.279 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

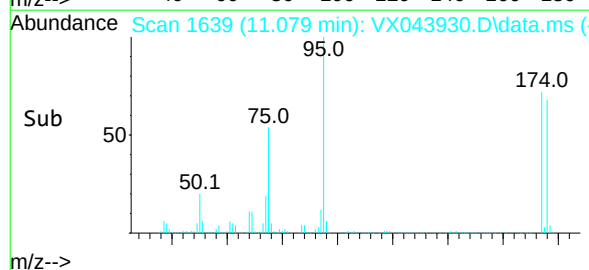
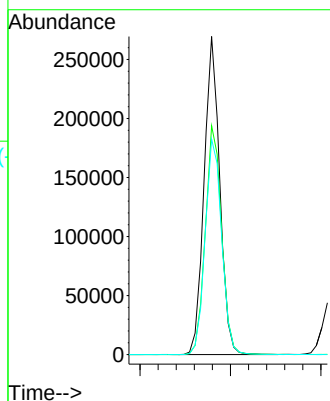
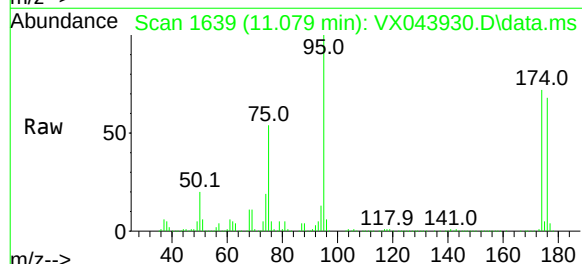
Tgt Ion: 95 Resp: 324612

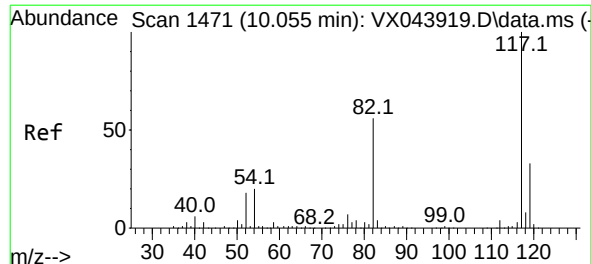
Ion Ratio Lower Upper

95 100

174 74.6 0.0 152.2

176 71.4 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:117 Resp: 203280

Ion Ratio Lower Upper

117 100

82 56.6 44.6 67.0

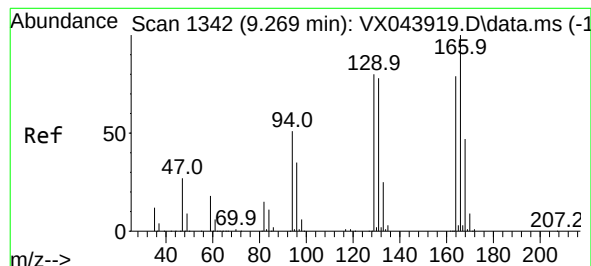
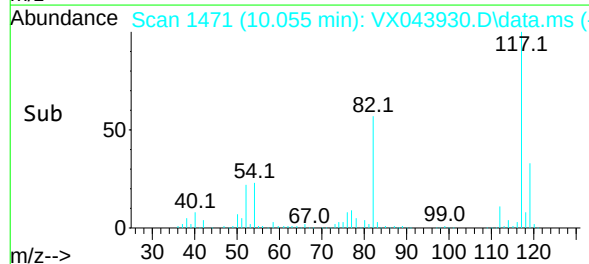
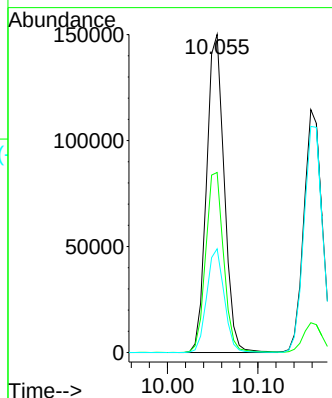
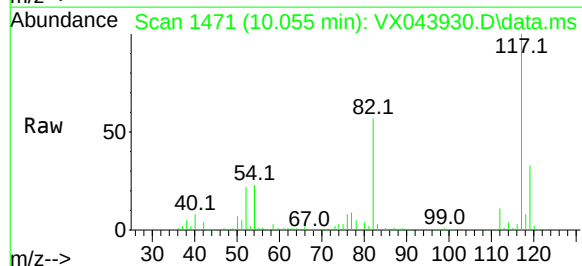
119 32.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 155.122 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

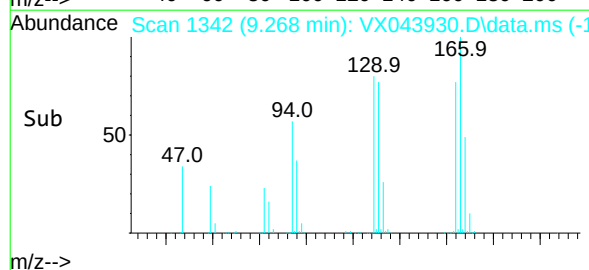
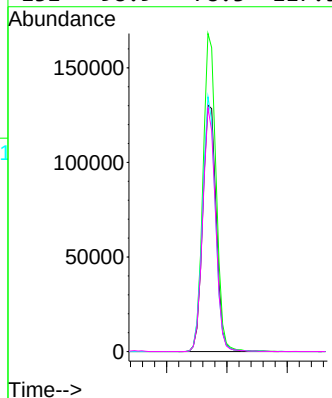
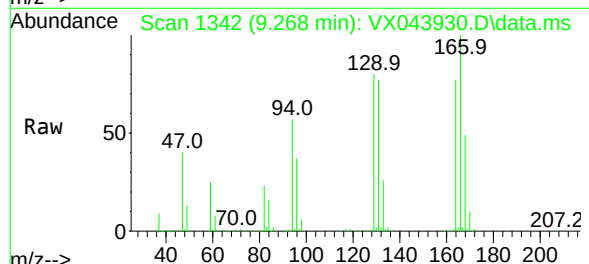
Ion Ratio Lower Upper

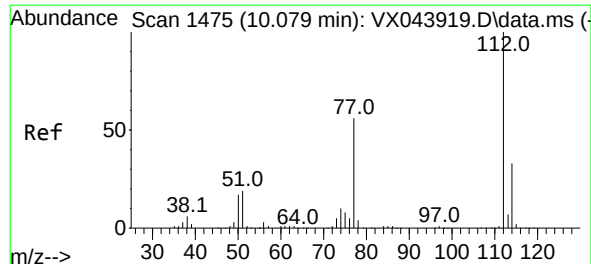
164 100

166 129.1 100.9 151.3

129 103.4 80.3 120.5

131 98.9 78.3 117.5





#65

Chlorobenzene

Concen: 159.085 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 675513

Ion Ratio Lower Upper

112 100

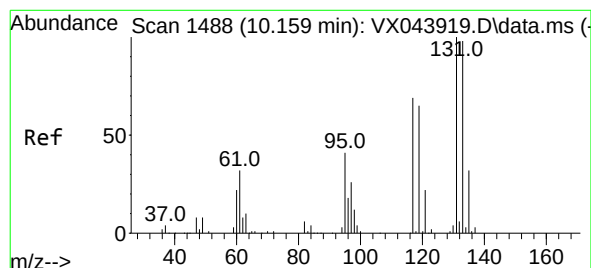
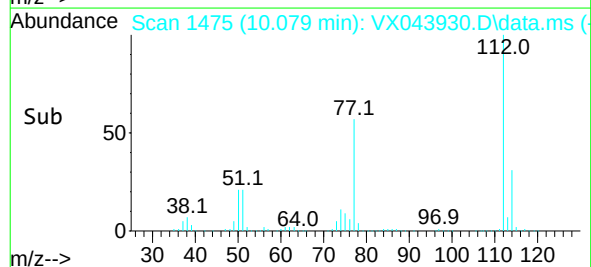
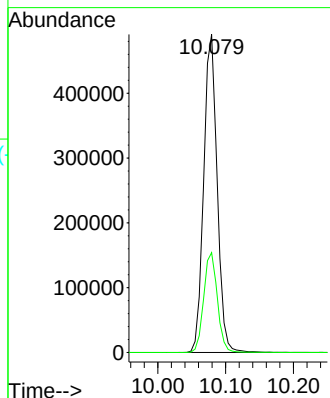
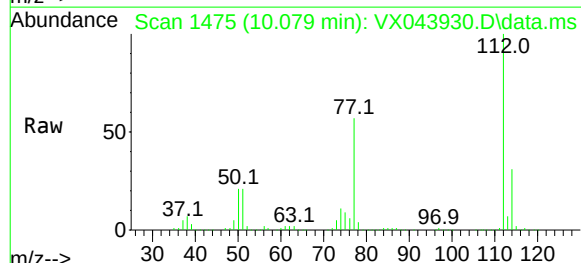
114 31.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 170.964 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

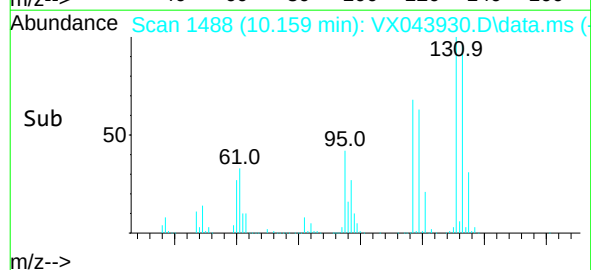
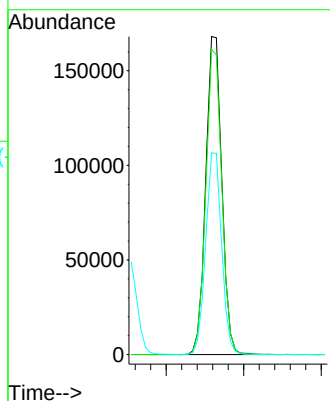
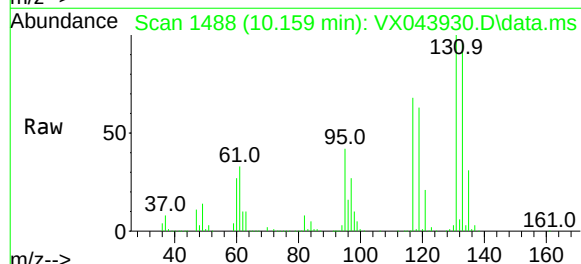
Tgt Ion:131 Resp: 241604

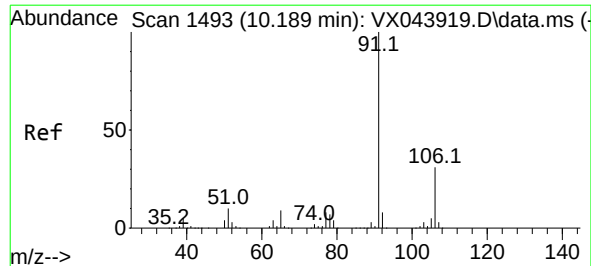
Ion Ratio Lower Upper

131 100

133 95.2 48.8 146.3

119 63.3 32.9 98.7





#67

Ethyl Benzene

Concen: 165.365 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 1181693

Ion Ratio Lower Upper

91 100

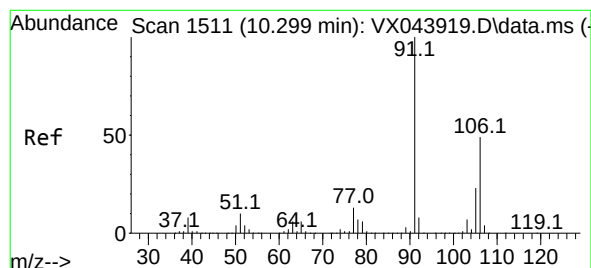
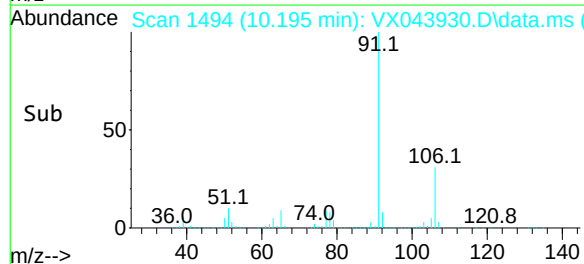
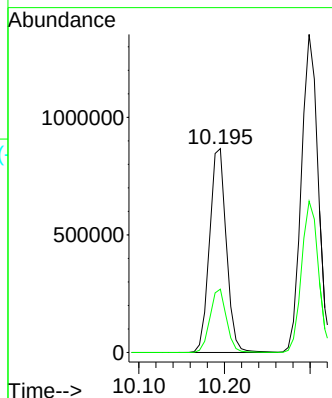
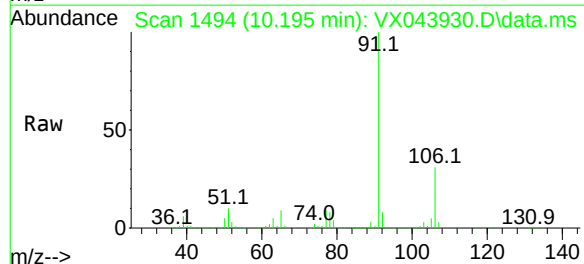
106 31.1 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 332.148 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043930.D

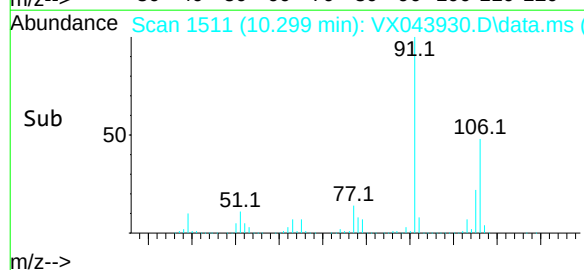
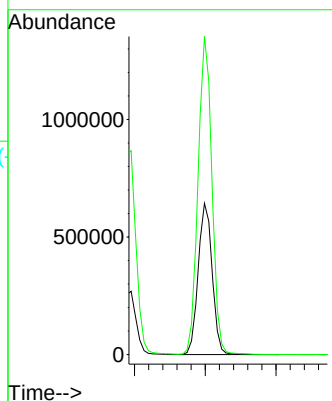
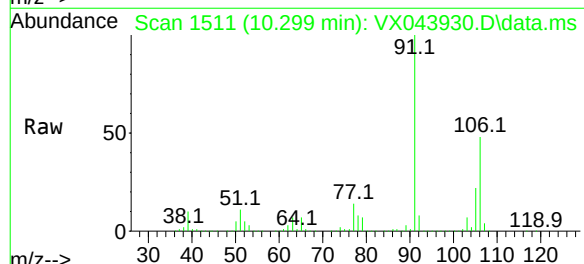
Acq: 21 Nov 2024 12:03

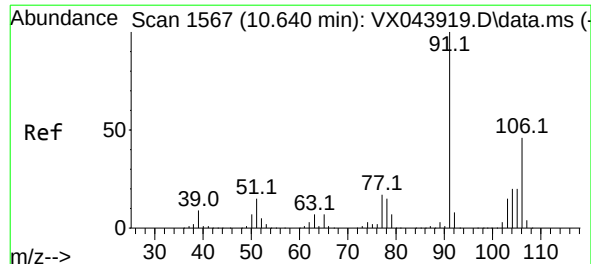
Tgt Ion:106 Resp: 884067

Ion Ratio Lower Upper

106 100

91 208.6 163.3 244.9





#69

o-Xylene

Concen: 168.240 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:106 Resp: 436919

Ion Ratio Lower Upper

106 100

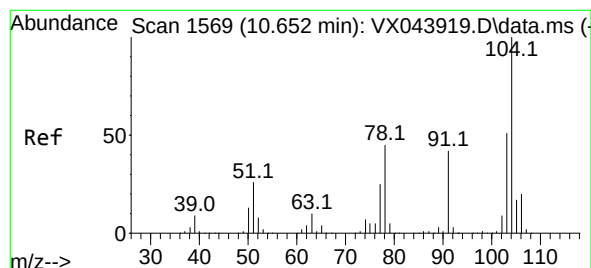
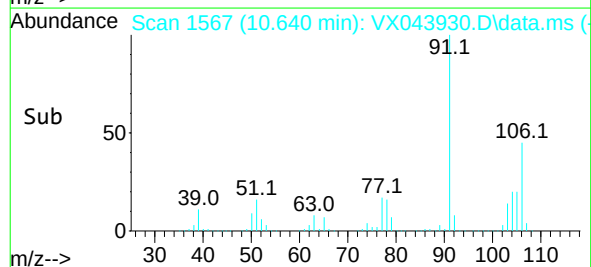
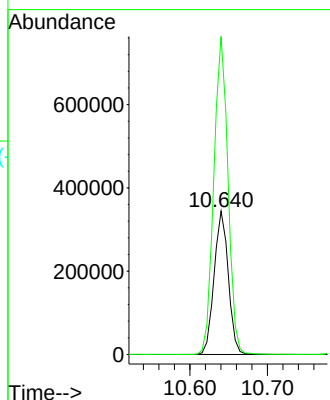
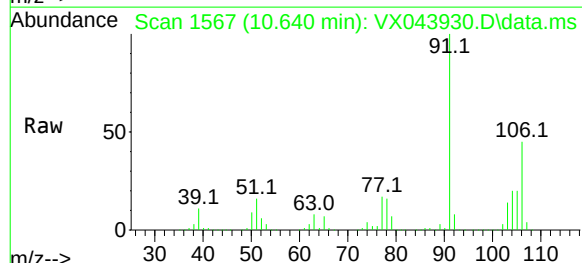
91 222.3 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 173.379 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

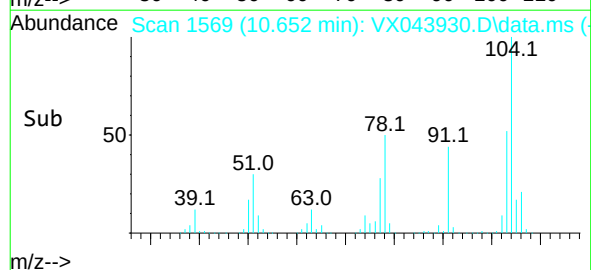
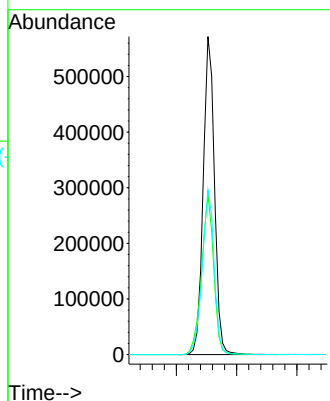
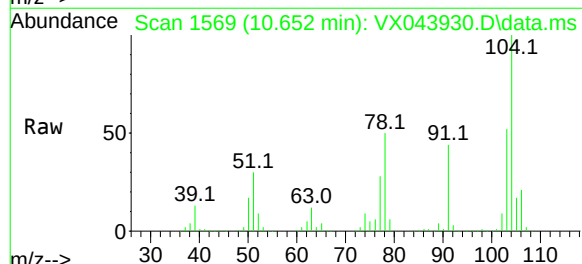
Tgt Ion:104 Resp: 742061

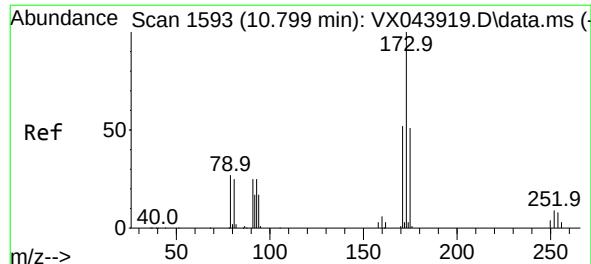
Ion Ratio Lower Upper

104 100

78 54.2 40.3 60.5

103 55.2 43.9 65.9





#71

Bromoform

Concen: 161.632 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:173 Resp: 186691

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

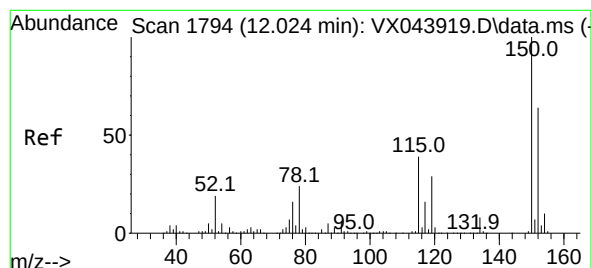
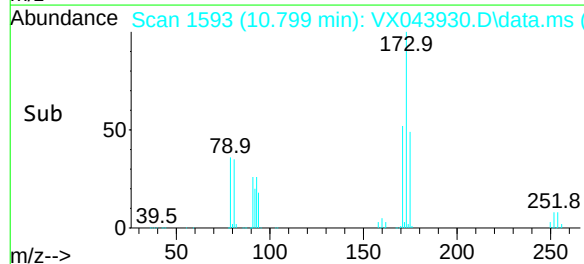
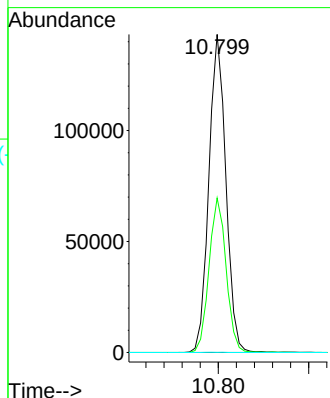
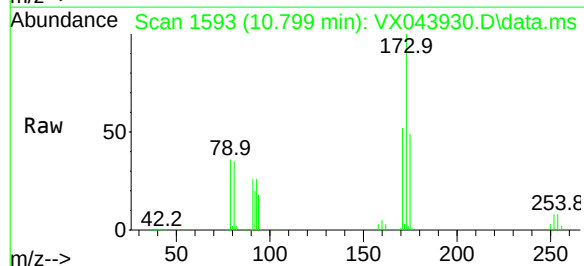
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

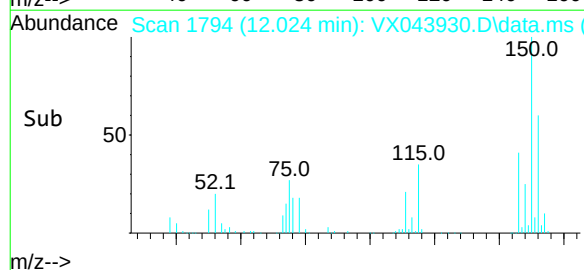
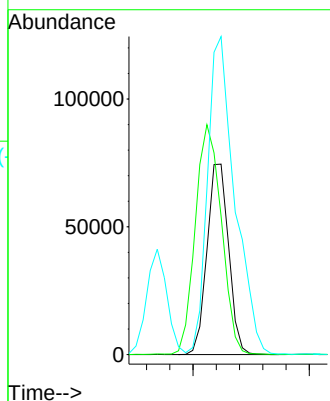
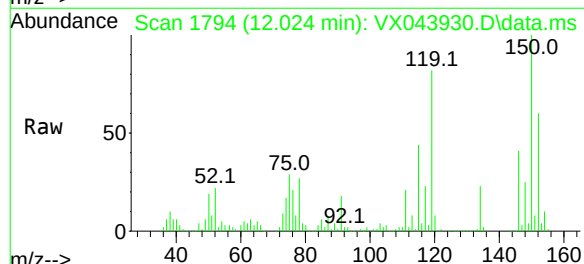
Tgt Ion:152 Resp: 96376

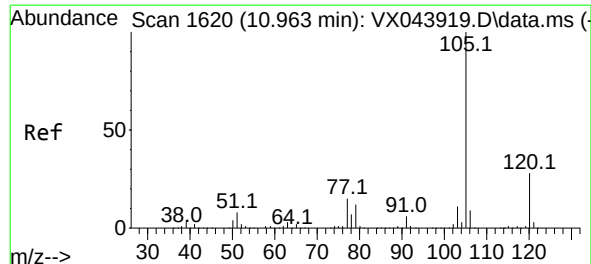
Ion Ratio Lower Upper

152 100

115 145.9 42.1 126.3#

150 210.2 0.0 348.2





#73

Isopropylbenzene

Concen: 165.031 ug/l

RT: 10.963 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 1135309

Ion Ratio Lower Upper

105 100

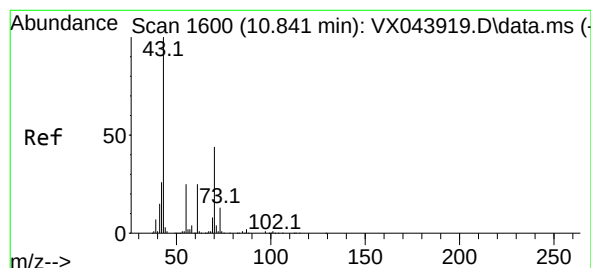
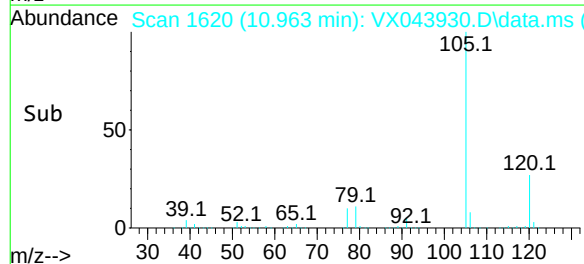
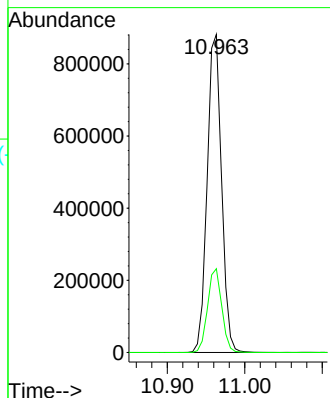
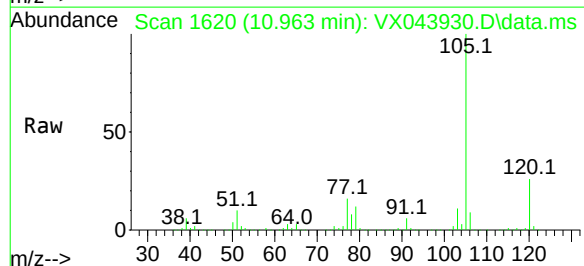
120 26.0 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 159.995 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

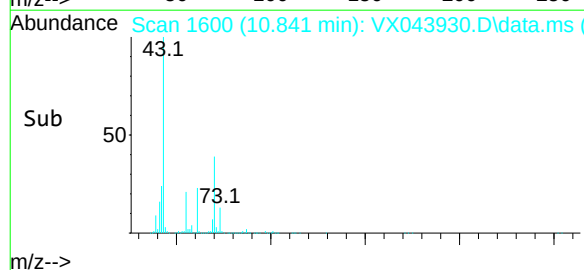
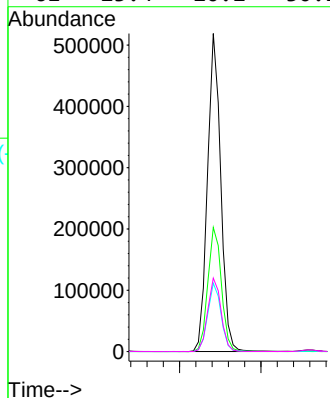
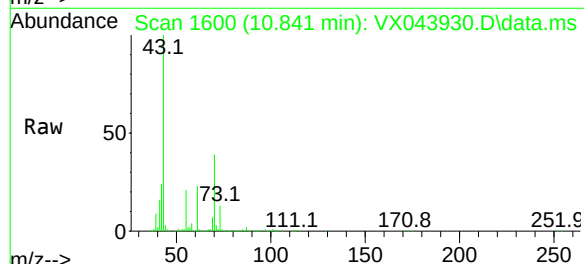
Ion Ratio Lower Upper

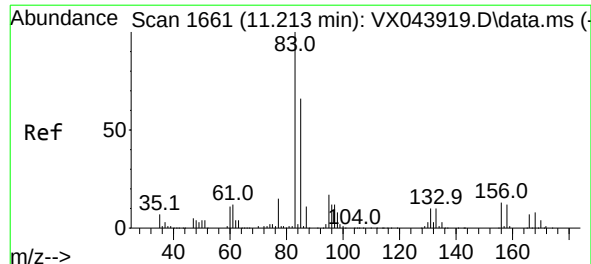
43 100

70 40.1 36.5 54.7

55 21.7 19.6 29.4

61 23.4 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 163.351 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

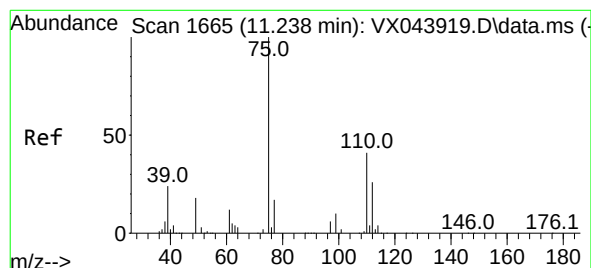
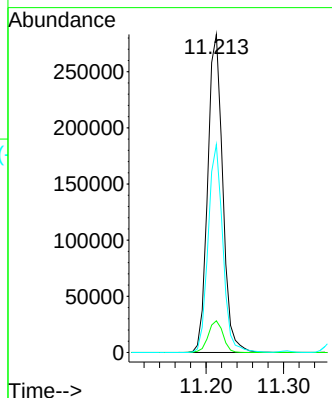
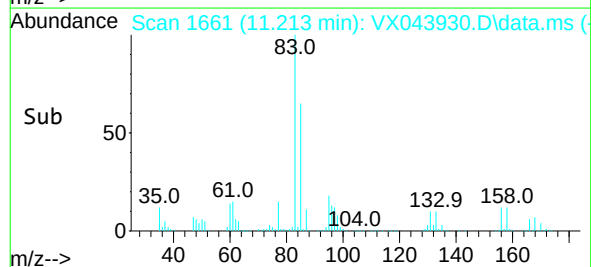
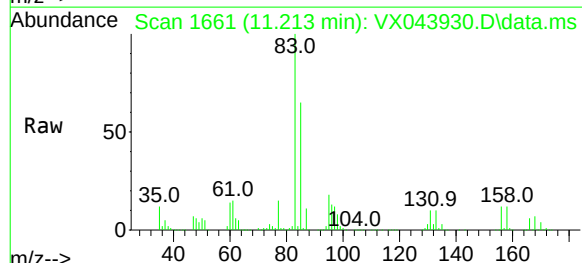
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	379947
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	64.1	32.3	96.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 159.312 ug/l m

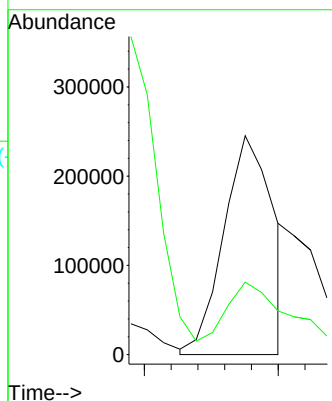
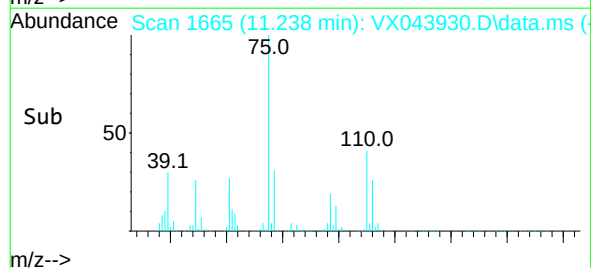
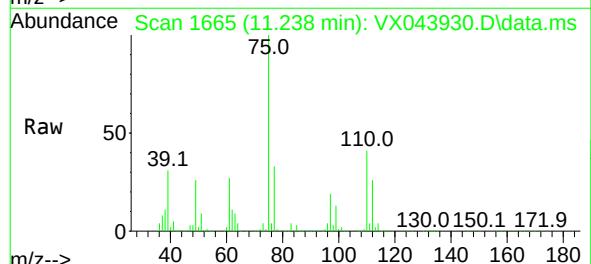
RT: 11.238 min Scan# 1665

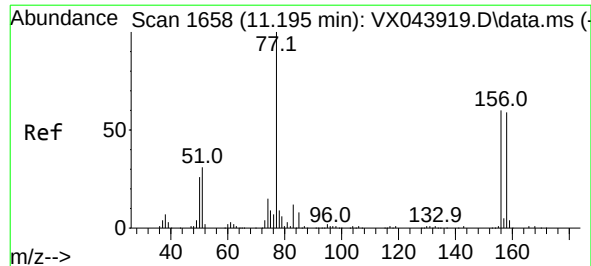
Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:	75	Resp:	313344
Ion	Ratio	Lower	Upper
75	100		
77	45.6	22.4	67.0





#77

Bromobenzene

Concen: 160.539 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

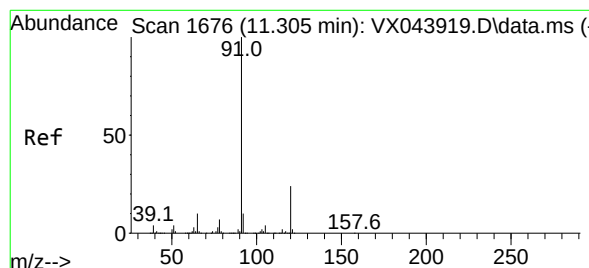
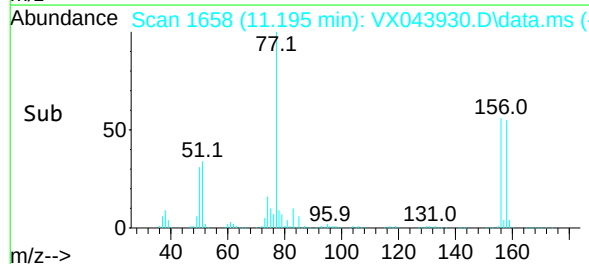
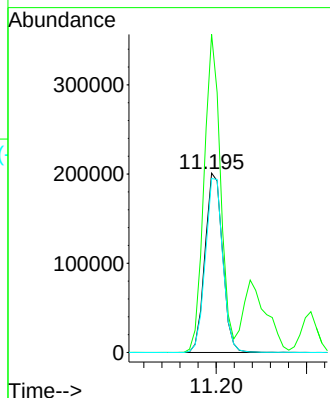
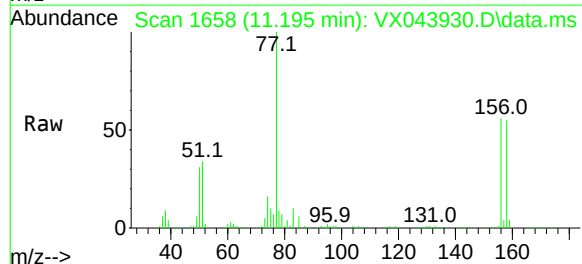
ClientSampleId :

VSTDICC150

Tgt Ion:	156	Resp:	270671
Ion	Ratio	Lower	Upper
156	100		
77	166.5	81.2	243.6
158	96.8	48.6	145.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 170.866 ug/l

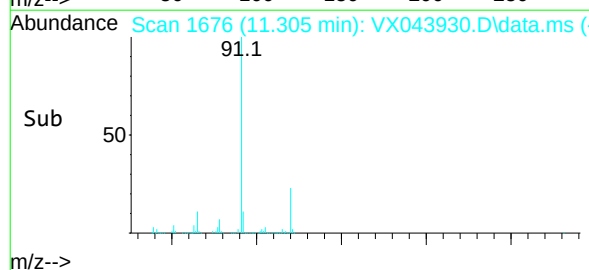
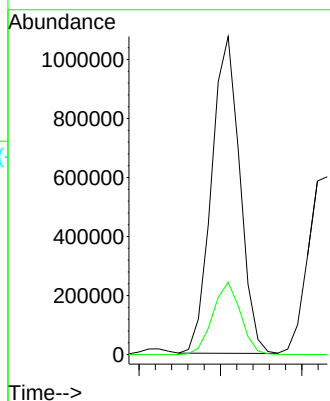
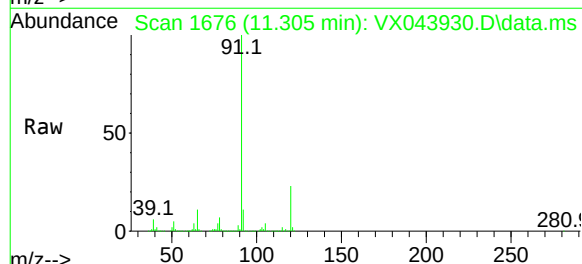
RT: 11.305 min Scan# 1676

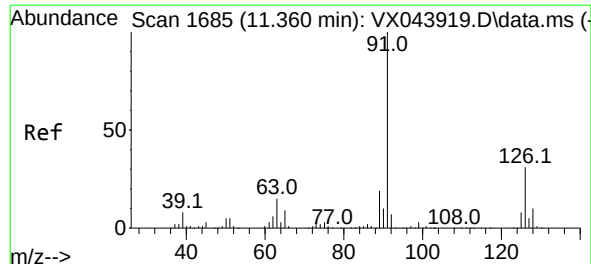
Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:	91	Resp:	1296979
Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 163.185 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 788163

Ion Ratio Lower Upper

91 100

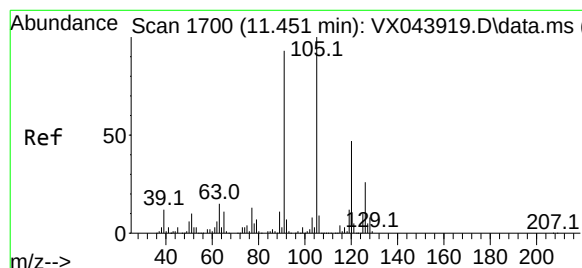
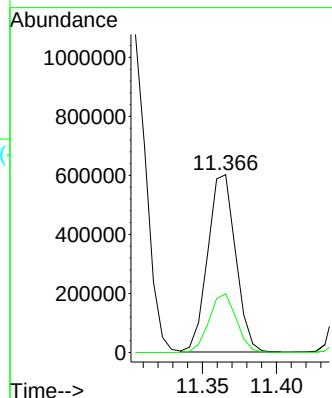
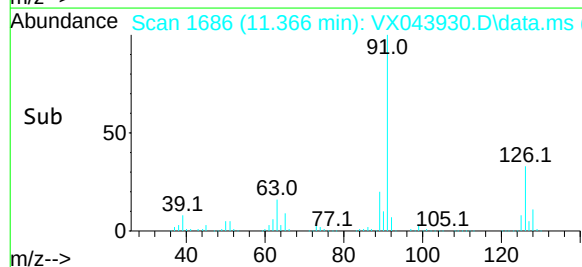
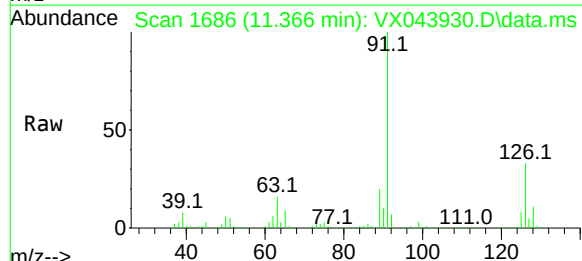
126 32.5 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 164.167 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043930.D

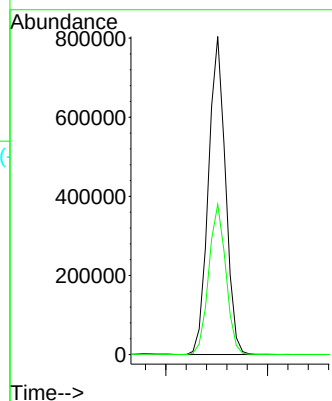
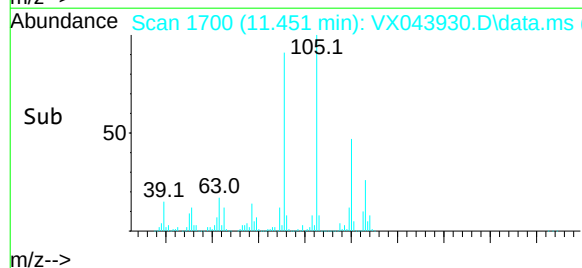
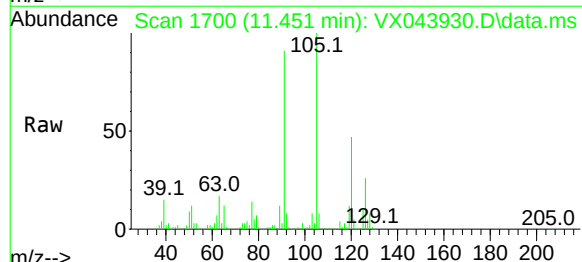
Acq: 21 Nov 2024 12:03

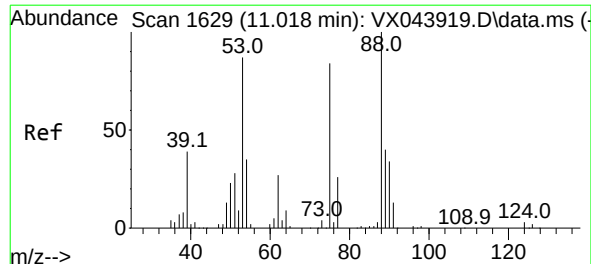
Tgt Ion:105 Resp: 936129

Ion Ratio Lower Upper

105 100

120 47.3 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 161.734 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 136104

Ion Ratio Lower Upper

75 100

53 103.1 81.7 122.5

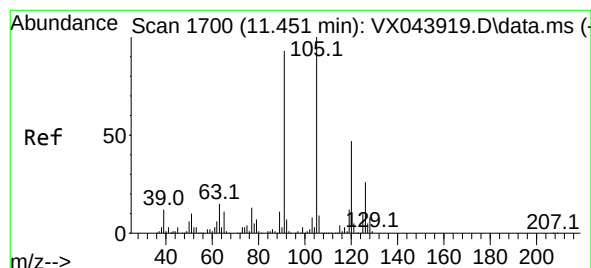
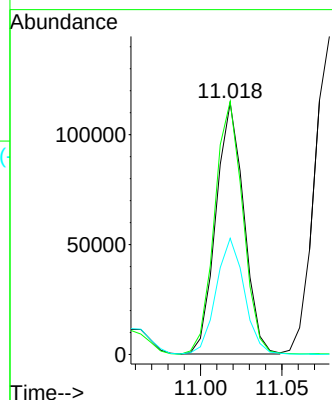
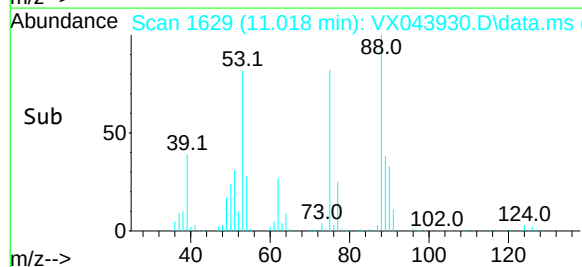
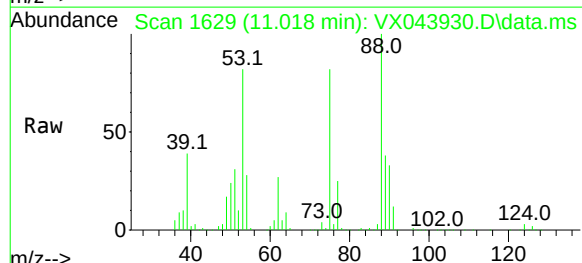
89 47.0 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 165.319 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043930.D

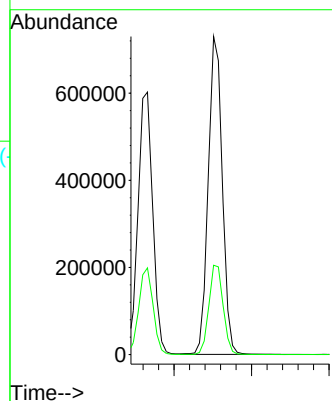
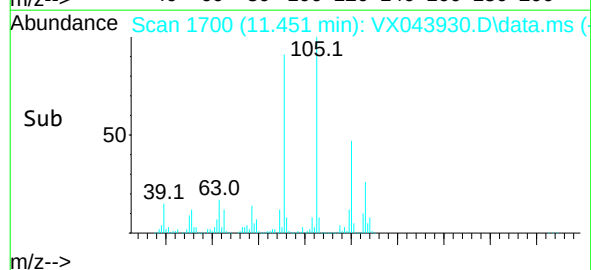
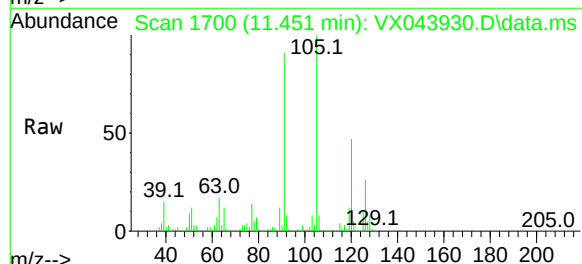
Acq: 21 Nov 2024 12:03

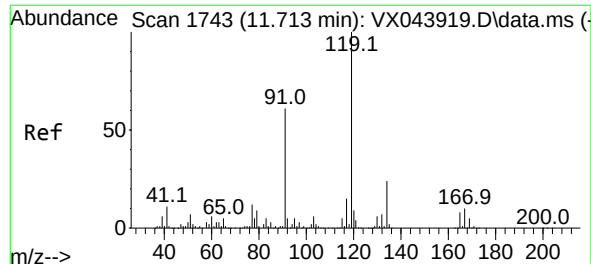
Tgt Ion: 91 Resp: 919566

Ion Ratio Lower Upper

91 100

126 28.6 14.4 43.2





#83

tert-Butylbenzene

Concen: 162.017 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 945058

Ion Ratio Lower Upper

119 100

91 60.6 29.5 88.6

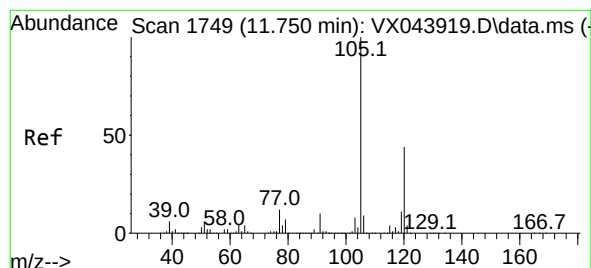
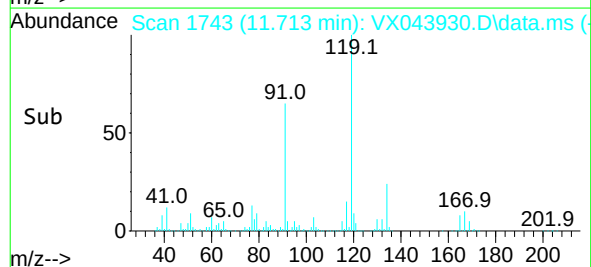
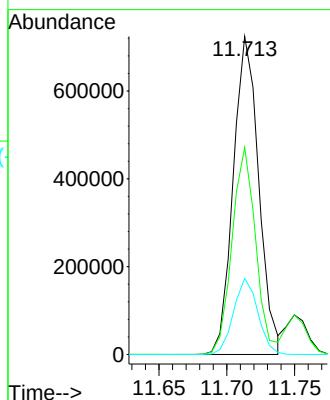
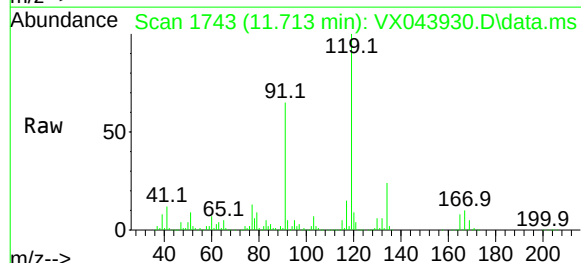
134 22.9 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 161.161 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043930.D

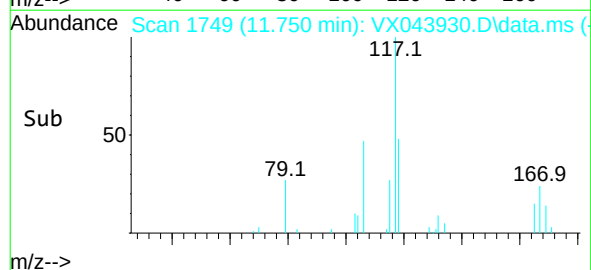
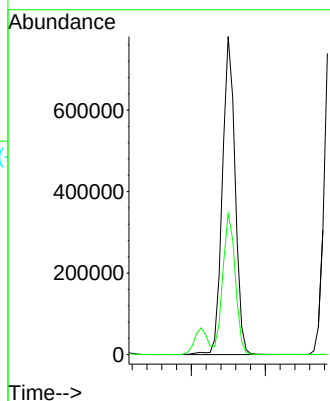
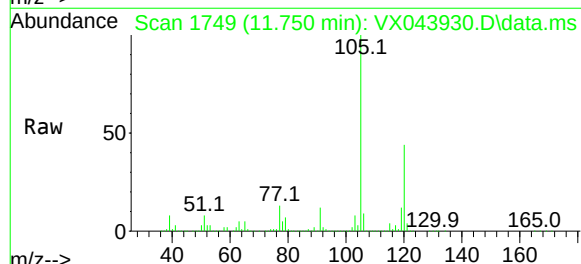
Acq: 21 Nov 2024 12:03

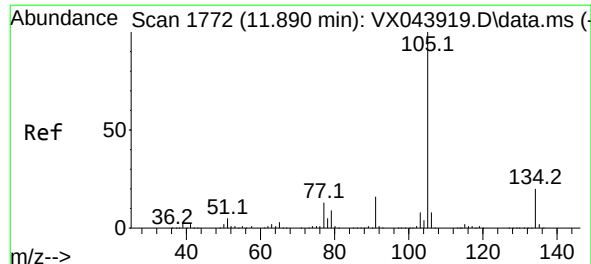
Tgt Ion:105 Resp: 933275

Ion Ratio Lower Upper

105 100

120 43.2 21.7 65.1





#85

sec-Butylbenzene

Concen: 164.934 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 1148877

Ion Ratio Lower Upper

105 100

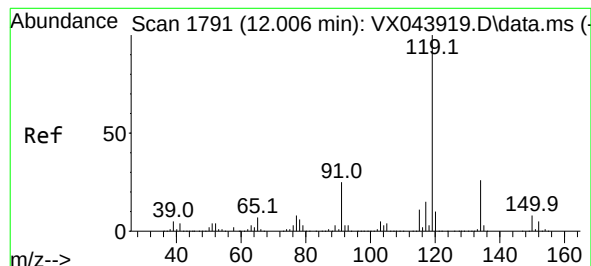
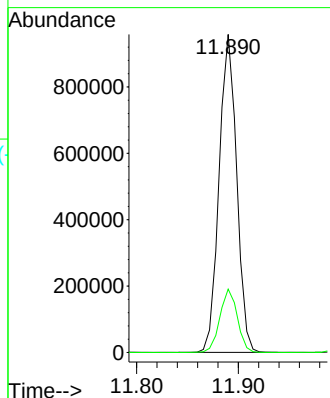
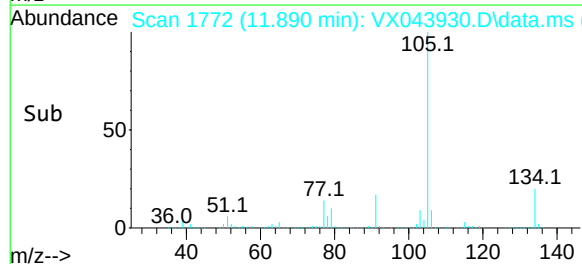
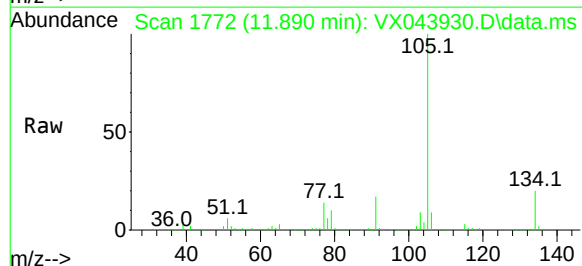
134 19.9 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 166.189 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

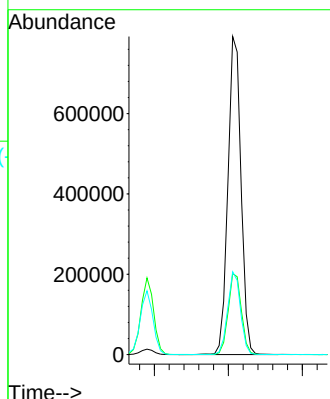
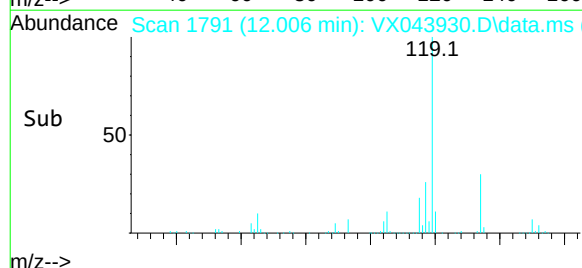
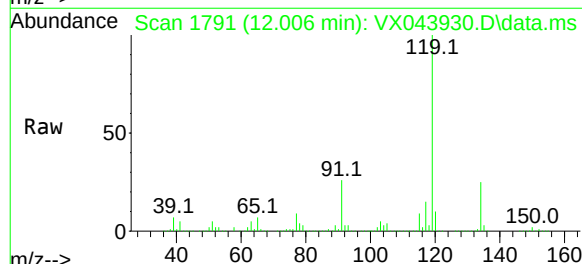
Tgt Ion:119 Resp: 972007

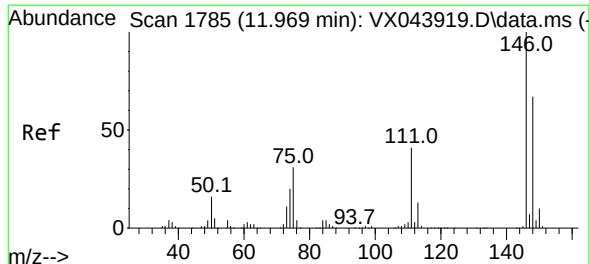
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 156.923 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 490336

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.2

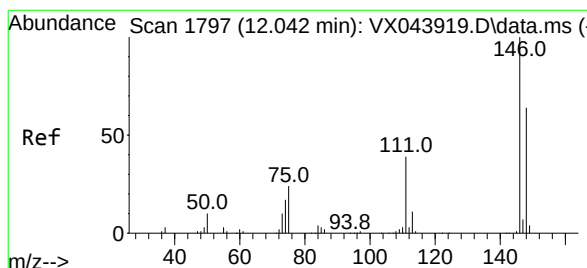
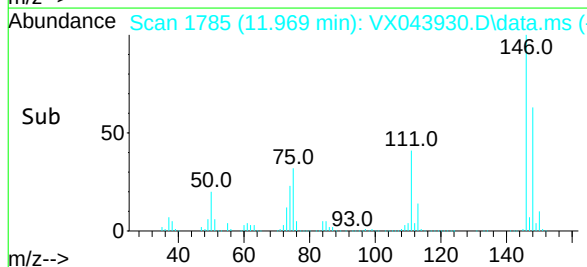
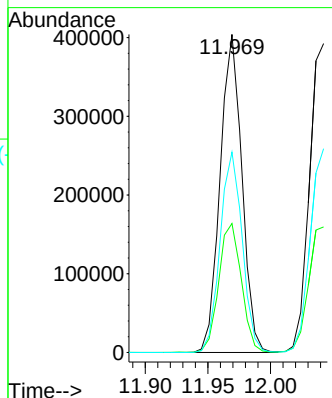
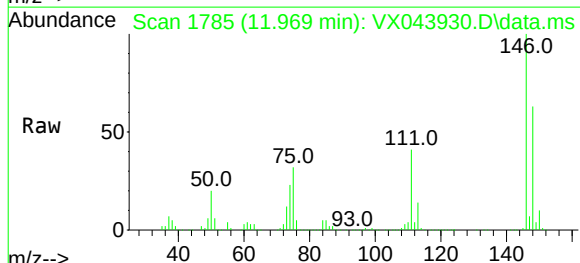
148 63.8 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 154.301 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

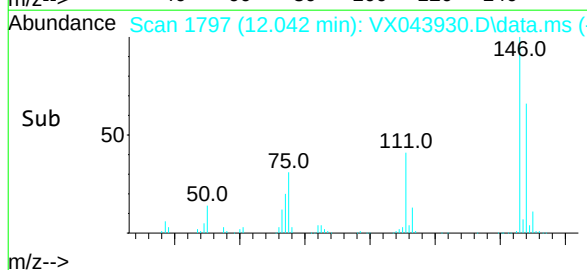
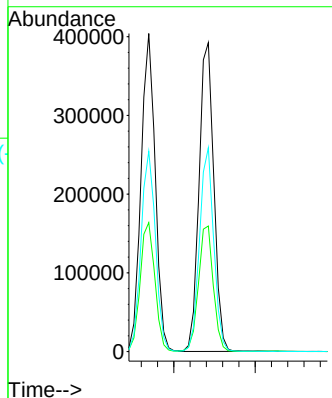
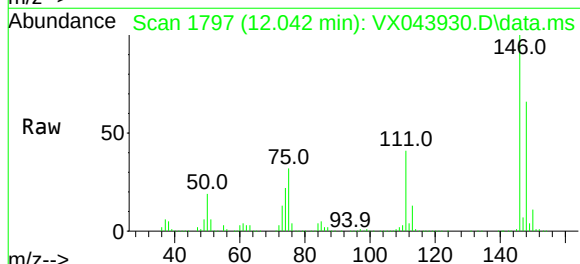
Tgt Ion:146 Resp: 494318

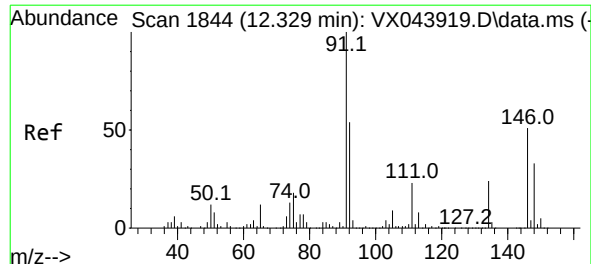
Ion Ratio Lower Upper

146 100

111 40.8 20.1 60.2

148 63.5 32.2 96.6





#89

n-Butylbenzene

Concen: 181.353 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 903805

Ion Ratio Lower Upper

91 100

92 53.1 26.9 80.6

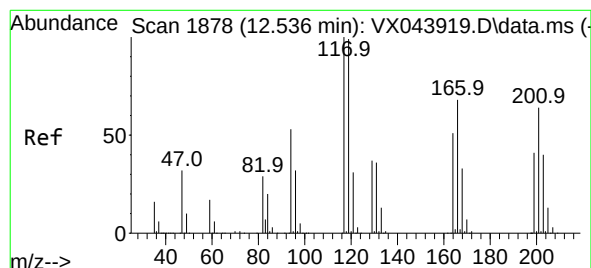
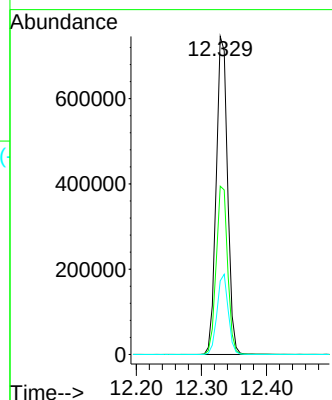
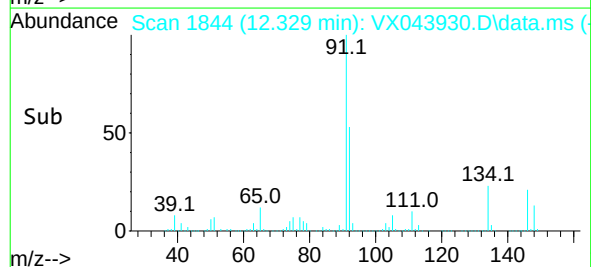
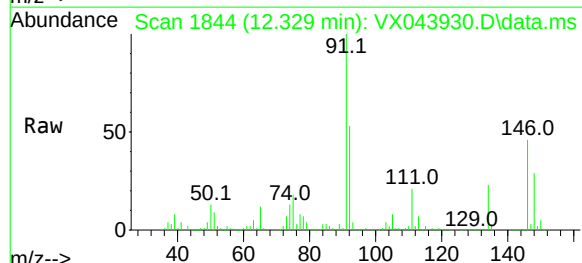
134 24.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 151.823 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043930.D

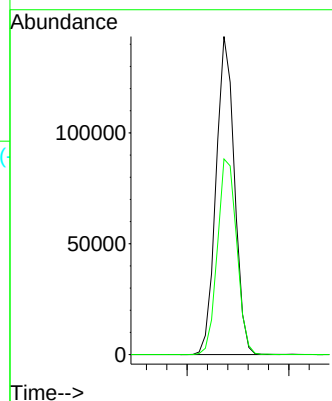
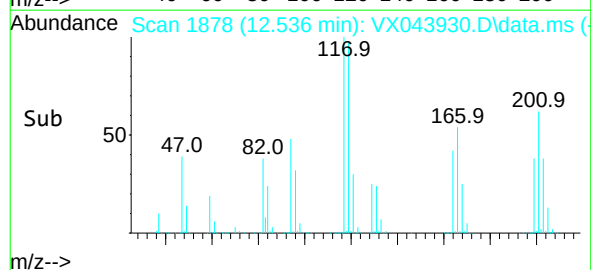
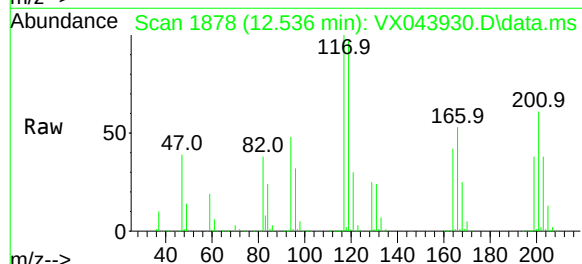
Acq: 21 Nov 2024 12:03

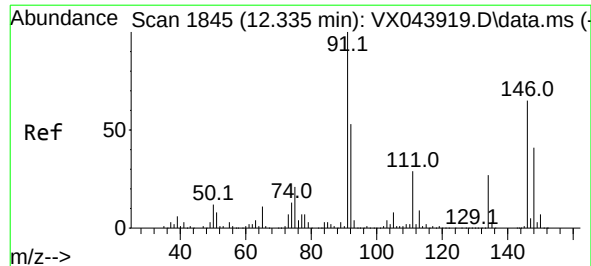
Tgt Ion:117 Resp: 180575

Ion Ratio Lower Upper

117 100

201 64.6 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 153.818 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 503214

Ion Ratio Lower Upper

146 100

111 43.3 21.7 65.1

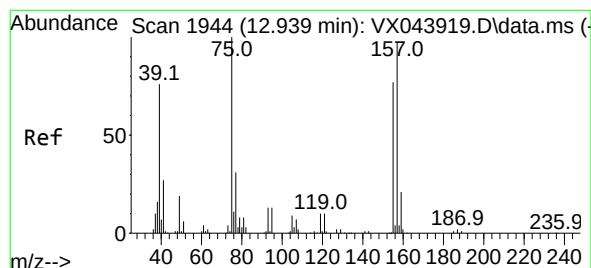
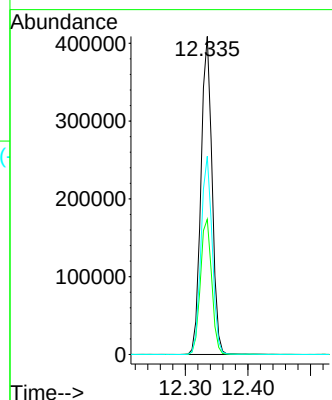
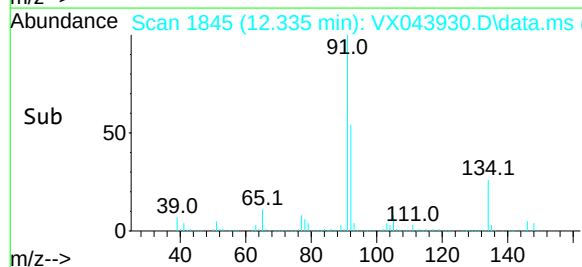
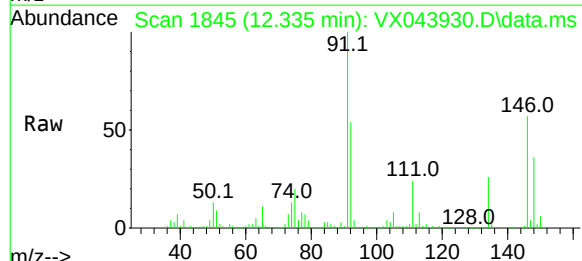
148 62.6 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 146.019 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

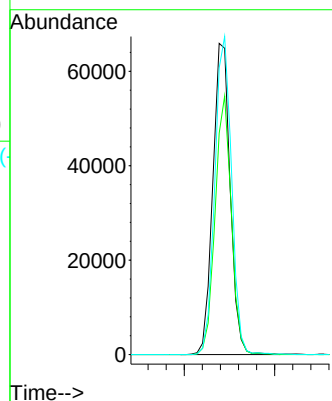
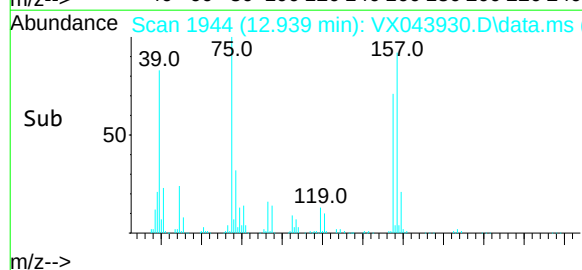
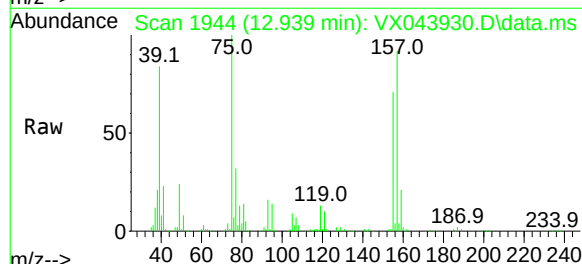
Tgt Ion: 75 Resp: 87963

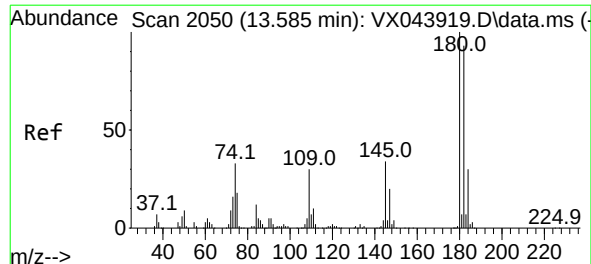
Ion Ratio Lower Upper

75 100

155 77.7 40.8 122.5

157 98.7 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 170.137 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

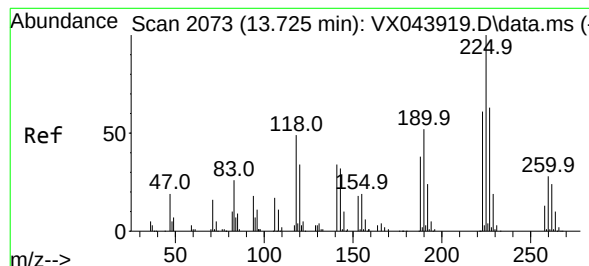
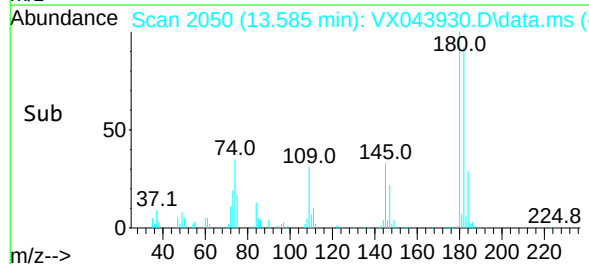
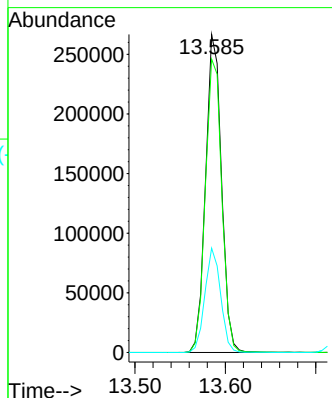
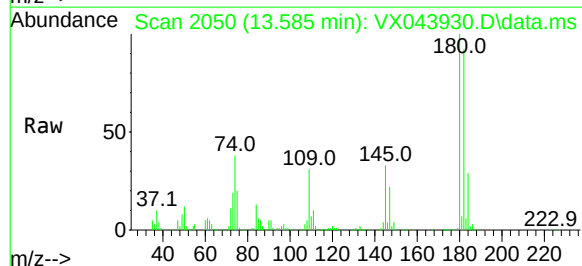
ClientSampleId :

VSTDIC150

Tgt Ion:	180	Resp:	325289
Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.4
145	32.5	16.4	49.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 154.589 ug/l

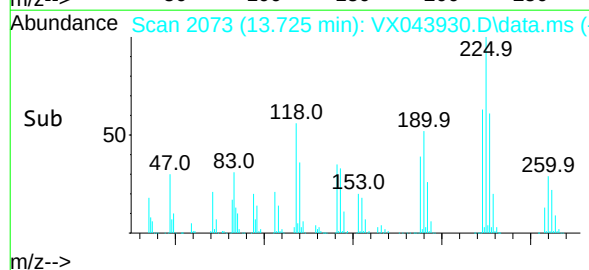
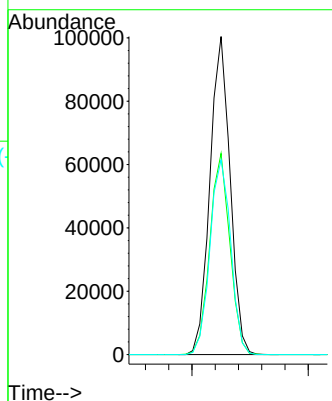
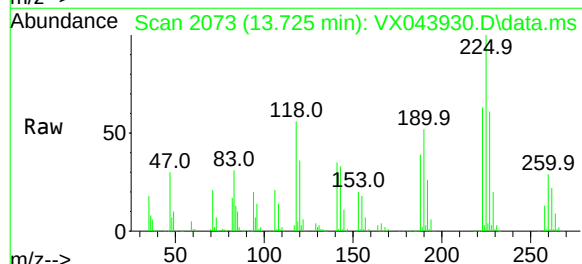
RT: 13.725 min Scan# 2073

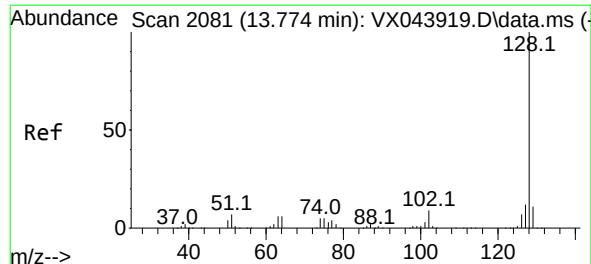
Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:	225	Resp:	121126
Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	62.8	29.8	89.5





#95

Naphthalene

Concen: 164.565 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 1173154

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

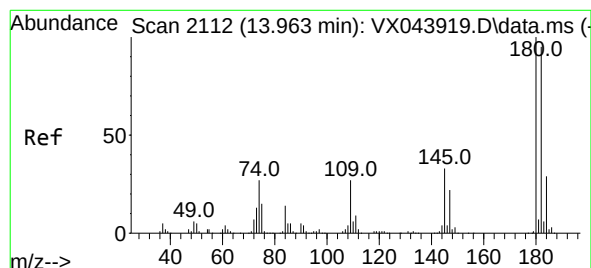
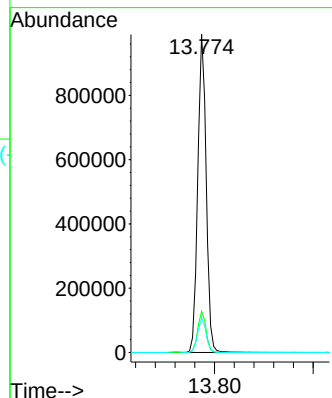
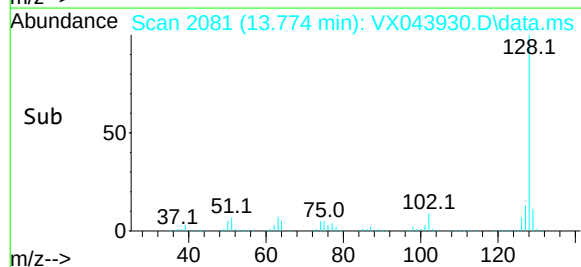
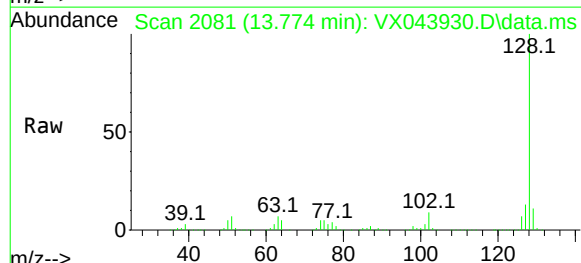
129 10.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 164.001 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

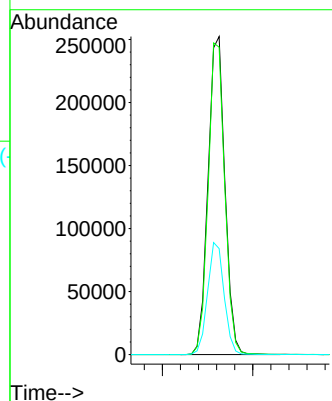
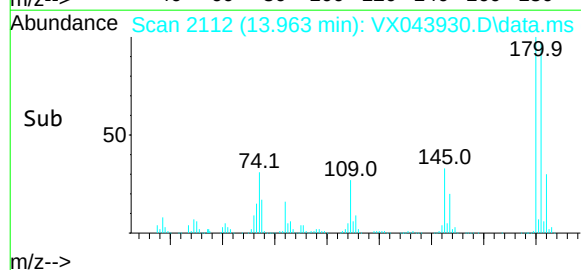
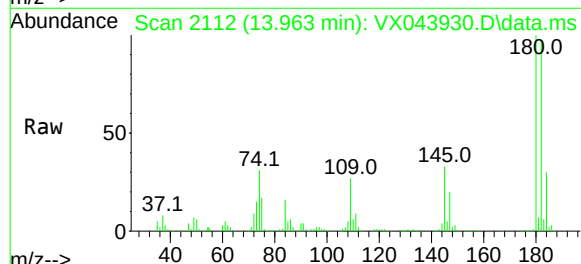
Tgt Ion:180 Resp: 326693

Ion Ratio Lower Upper

180 100

182 96.5 47.6 142.8

145 34.6 17.4 52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	131073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	198776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112818	50.183	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.360%		
35) Dibromofluoromethane	5.379	113	85815	52.442	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.880%		
50) Toluene-d8	8.647	98	289000	51.234	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.460%		
62) 4-Bromofluorobenzene	11.079	95	103640	53.987	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 107.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	83916	50.537	ug/l	99
3) Chloromethane	1.295	50	85795	49.100	ug/l	98
4) Vinyl Chloride	1.374	62	93147	50.118	ug/l	97
5) Bromomethane	1.593	94	53783	47.040	ug/l	100
6) Chloroethane	1.660	64	46342	40.921	ug/l	100
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	98
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	100
11) Tert butyl alcohol	2.995	59	85927	238.127	ug/l	99
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	99
13) Acrolein	2.233	56	89571	235.500	ug/l	98
14) Allyl chloride	2.654	41	127367	51.610	ug/l	99
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	99
16) Acetone	2.386	43	257802	249.676	ug/l	99
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	100
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	98
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	97
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	96
23) Vinyl Acetate	3.715	43	1189244	263.441	ug/l	100
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	98
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	99
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	96
29) Tetrahydrofuran	5.001	42	207942	254.585	ug/l	100
30) Chloroform	5.080	83	163357	49.891	ug/l	98
31) Cyclohexane	5.458	56	128482	51.278	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	99
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	97
37) Ethyl Acetate	4.709	43	133283	52.656	ug/l	97
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	99
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	93
40) Benzene	6.025	78	319222	50.257	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.851	ug/l	99
42) 1,2-Dichloroethane	6.074	62	128623	50.421	ug/l	100
43) Isopropyl Acetate	6.336	43	207332	51.469	ug/l	99
44) Trichloroethene	7.117	130	80113	44.554	ug/l	90
45) 1,2-Dichloropropane	7.422	63	74380	47.811	ug/l	98
46) Dibromomethane	7.574	93	62345	50.662	ug/l	99
47) Bromodichloromethane	7.818	83	116199	52.648	ug/l	99
48) Methyl methacrylate	7.690	41	101062	52.284	ug/l	99
49) 1,4-Dioxane	7.659	88	31178	905.506	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520	ug/l	100
52) Toluene	8.714	92	195814	51.507	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069	ug/l	97
56) Ethyl methacrylate	9.116	69	129841	53.118	ug/l	100
57) 1,3-Dichloropropane	9.305	76	134680	50.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	235.230	ug/l	99
59) 2-Hexanone	9.427	43	504444	273.011	ug/l	100
60) Dibromochloromethane	9.519	129	82754	52.557	ug/l	99
61) 1,2-Dibromoethane	9.604	107	83098	52.367	ug/l	100
64) Tetrachloroethene	9.269	164	66054	50.396	ug/l	97
65) Chlorobenzene	10.073	112	209963	48.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515	ug/l	98
67) Ethyl Benzene	10.189	91	377215	50.991	ug/l	97
68) m/p-Xylenes	10.299	106	282971	102.572	ug/l	99
69) o-Xylene	10.640	106	138437	51.396	ug/l	98
70) Styrene	10.653	104	230449	51.728	ug/l	99
71) Bromoform	10.799	173	50837	47.449	ug/l #	98
73) Isopropylbenzene	10.957	105	365084	49.222	ug/l	99
74) N-amyl acetate	10.842	43	176627	51.406	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	105742m	49.973	ug/l	
77) Bromobenzene	11.195	156	85070	48.081	ug/l	99
78) n-propylbenzene	11.305	91	419586	50.652	ug/l	99
79) 2-Chlorotoluene	11.360	91	249079	47.551	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	305922	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	38583	49.756	ug/l	98
82) 4-Chlorotoluene	11.451	91	287717	48.652	ug/l	100
83) tert-Butylbenzene	11.713	119	303408	50.165	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410	ug/l	100
85) sec-Butylbenzene	11.890	105	372793	50.307	ug/l	99
86) p-Isopropyltoluene	12.006	119	310060	51.511	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155422	47.306	ug/l	97
89) n-Butylbenzene	12.329	91	276075	52.020	ug/l	99
90) Hexachloroethane	12.536	117	51229	50.050	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	154980	47.656	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25968	51.030	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495	ug/l	99
94) Hexachlorobutadiene	13.725	225	37937	50.065	ug/l	97
95) Naphthalene	13.774	128	357725	51.831	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	99447	51.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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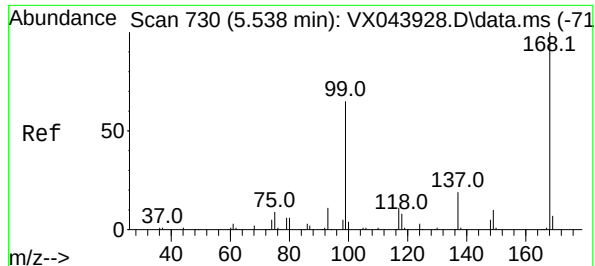
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations

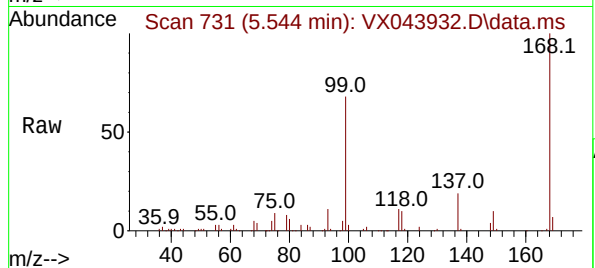
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

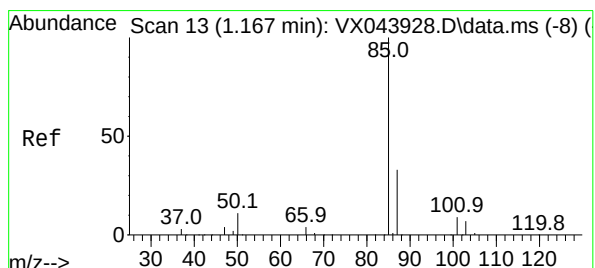
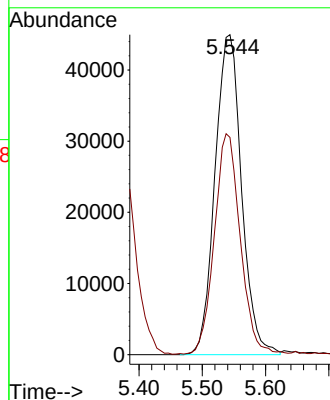
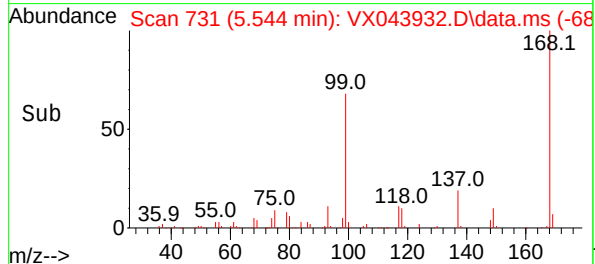
Instrument :
MSVOA_X
Client Sample Id :
ICVX112124



Tgt Ion: 168 Resp: 131073
Ion Ratio Lower Upper
168 100
99 67.5 51.8 77.8

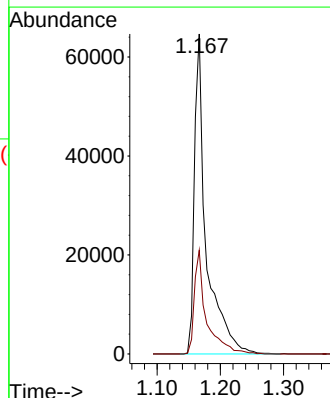
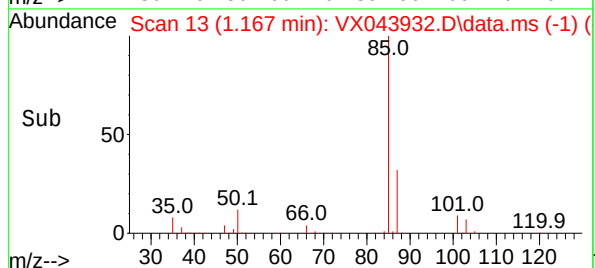
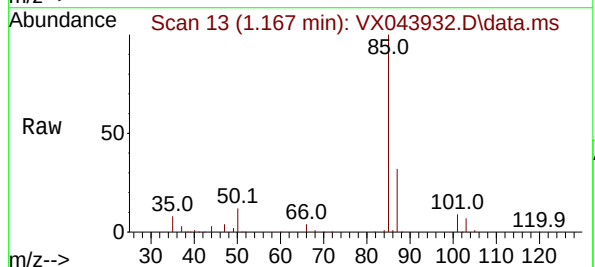
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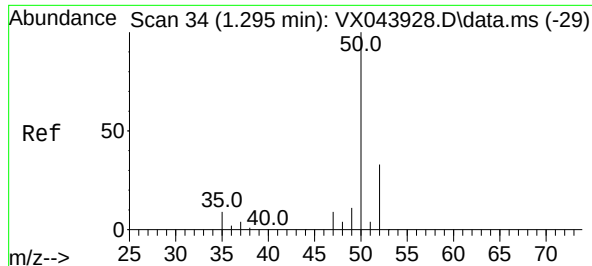
Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916
Ion Ratio Lower Upper
85 100
87 32.4 16.6 49.8





#3

Chloromethane

Concen: 49.100 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 50 Resp: 8579

Ion Ratio Lower Upper

50 100

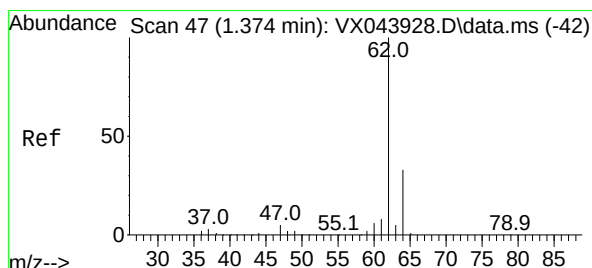
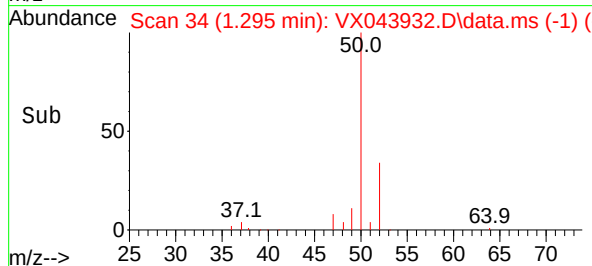
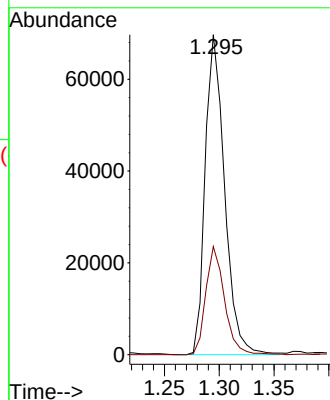
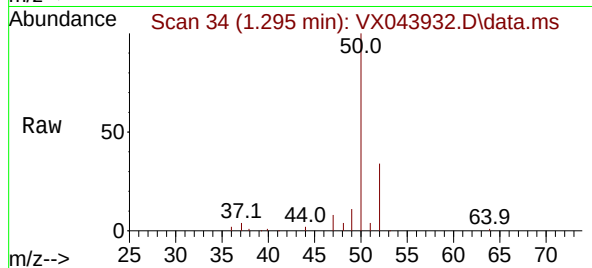
52 33.8 26.1 39.1

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 50.118 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043932.D

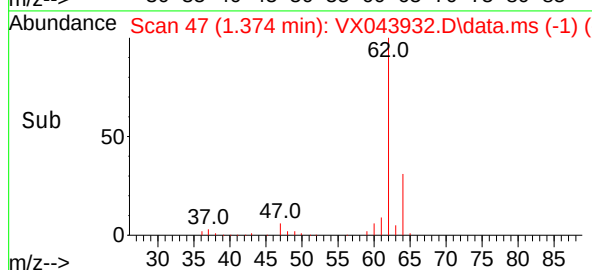
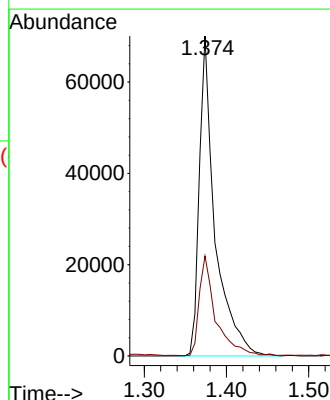
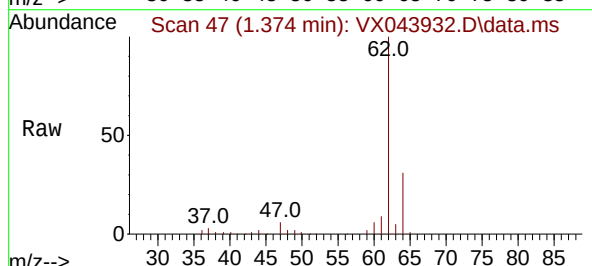
Acq: 21 Nov 2024 13:57

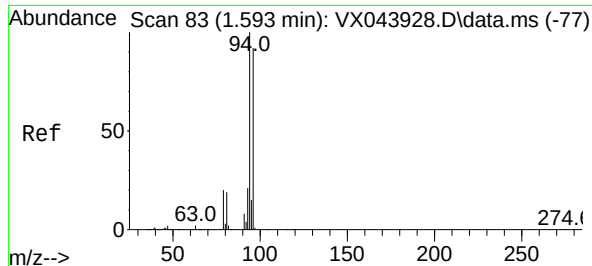
Tgt Ion: 62 Resp: 93147

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 47.040 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 94 Resp: 5378

Ion Ratio Lower Upper

94 100

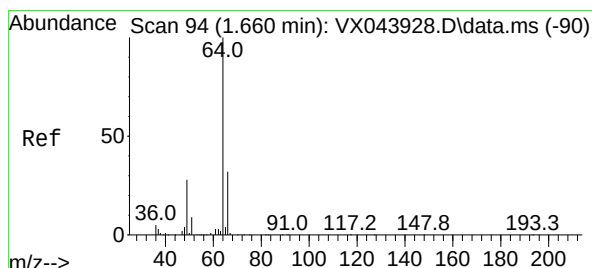
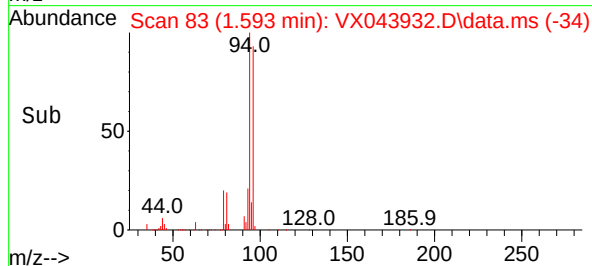
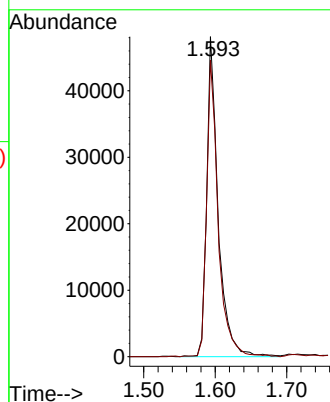
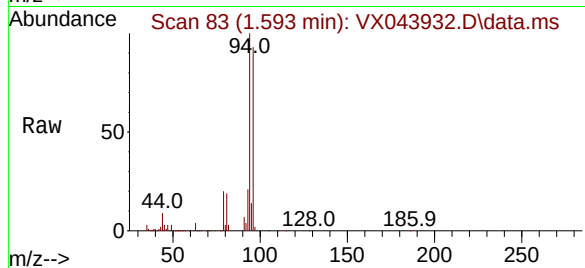
96 92.7 73.9 110.9

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 40.921 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX043932.D

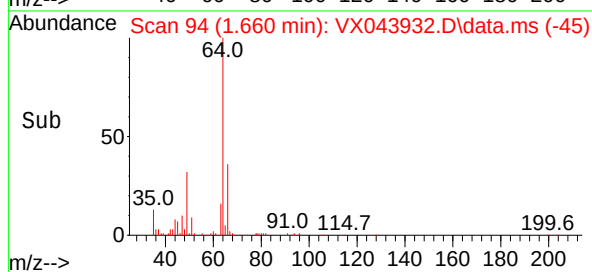
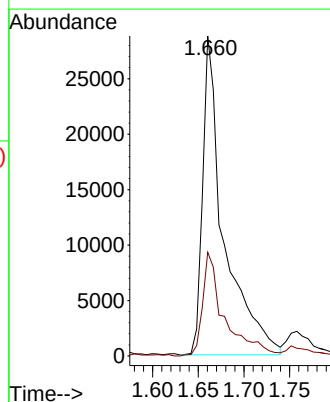
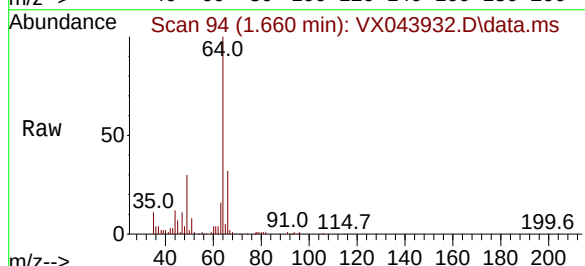
Acq: 21 Nov 2024 13:57

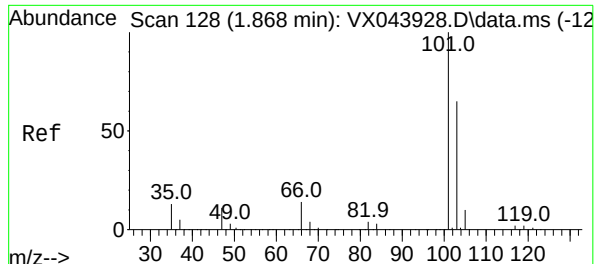
Tgt Ion: 64 Resp: 46342

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9





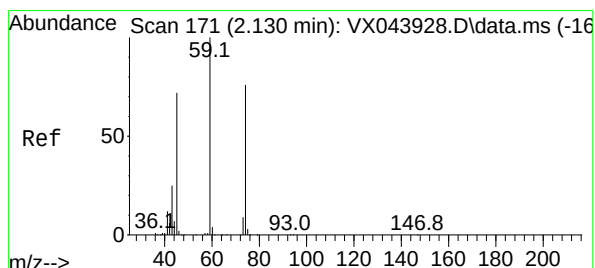
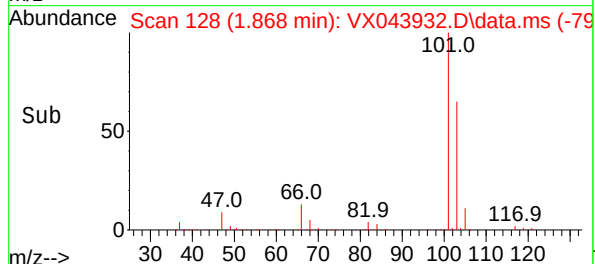
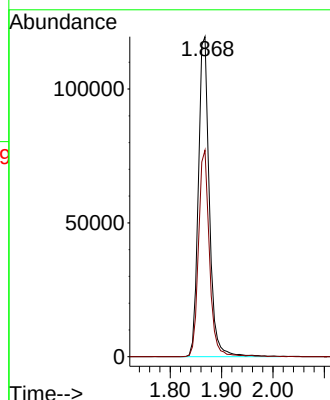
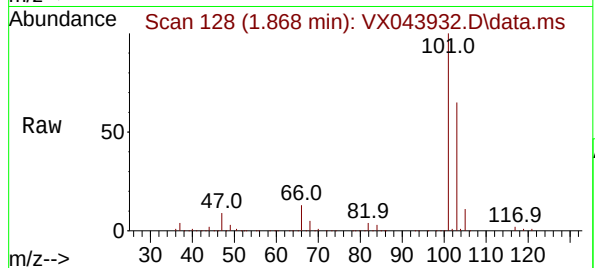
#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

Tgt Ion:101 Resp: 17746
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2

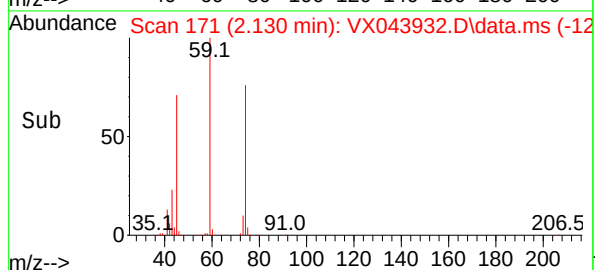
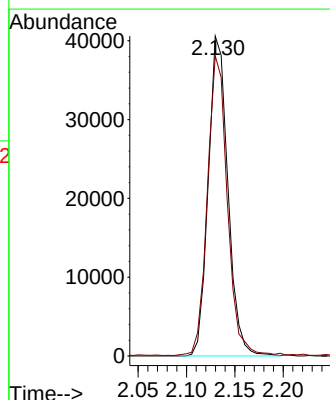
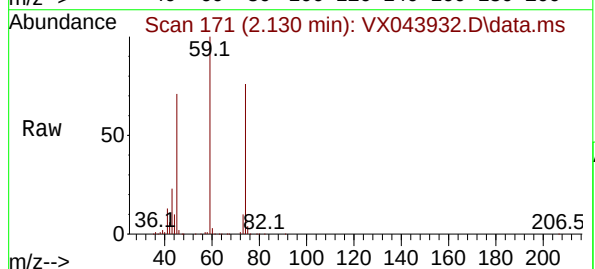
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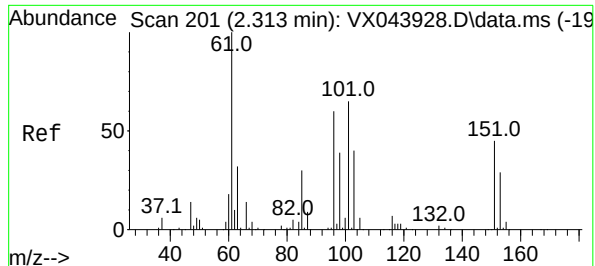
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339
Ion Ratio Lower Upper
74 100
45 95.6 47.9 143.6





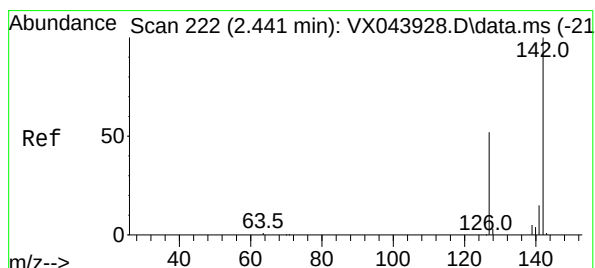
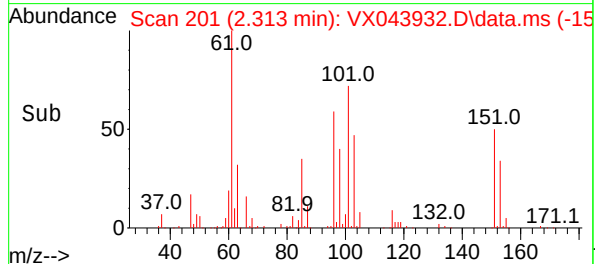
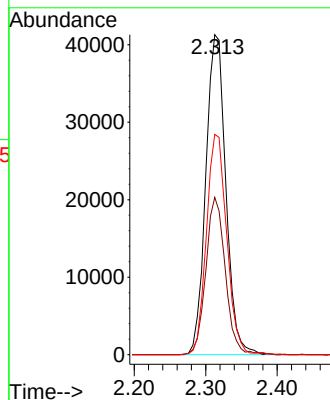
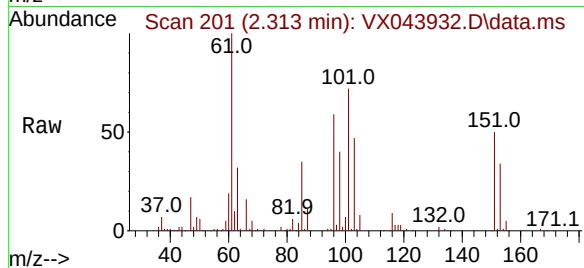
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

Tgt Ion:101 Resp: 8045
Ion Ratio Lower Upper
101 100
85 47.7 37.9 56.9
151 69.3 57.5 86.3

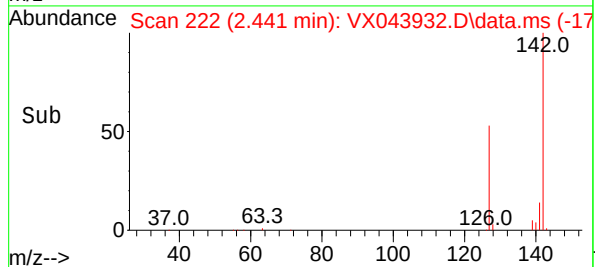
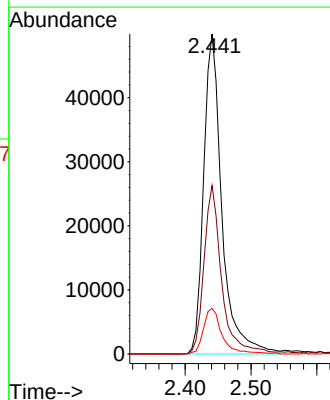
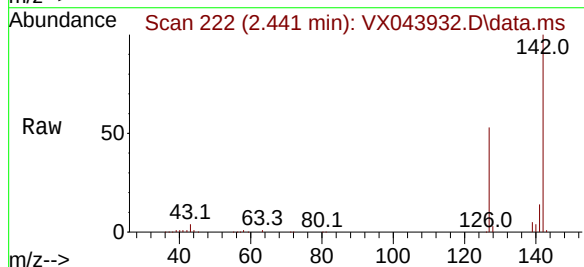
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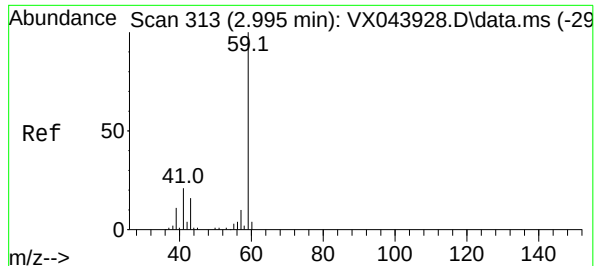
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234
Ion Ratio Lower Upper
142 100
127 50.9 40.7 61.1
141 14.6 12.0 18.0





#11

Tert butyl alcohol

Concen: 238.127 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 59 Resp: 8592

Ion Ratio Lower Upper

59 100

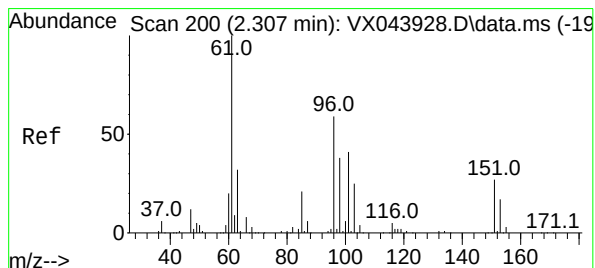
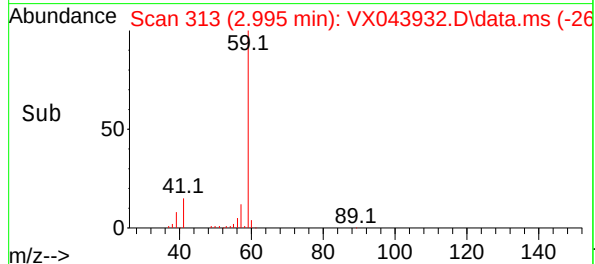
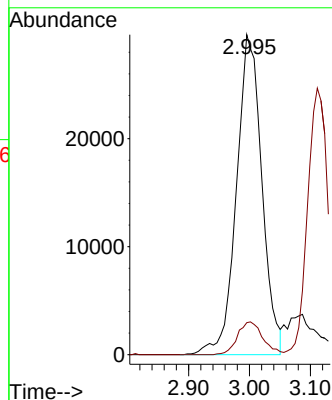
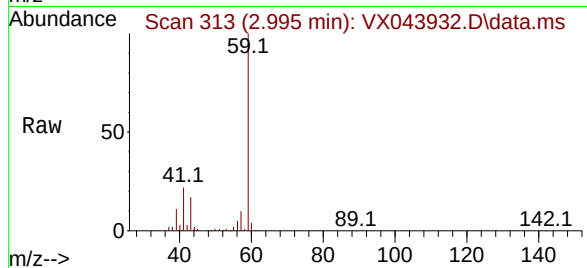
57 10.3 7.9 11.9

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 48.192 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

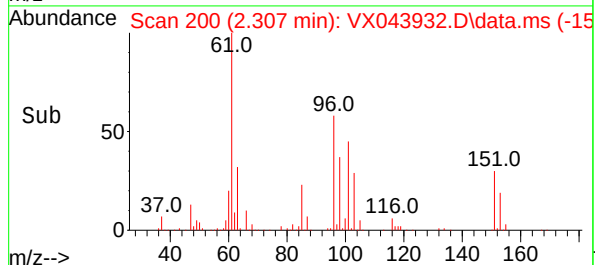
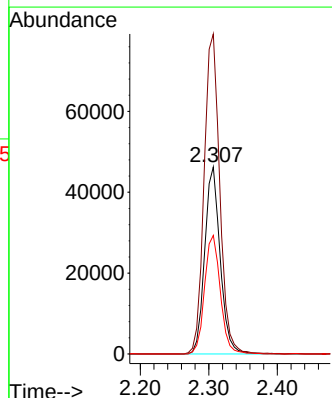
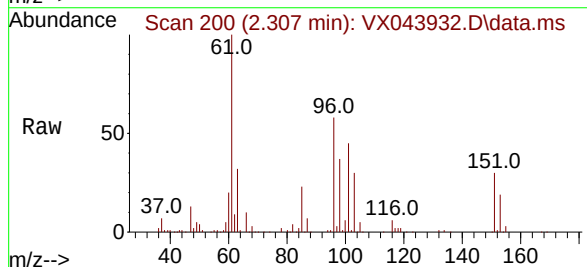
Tgt Ion: 96 Resp: 72787

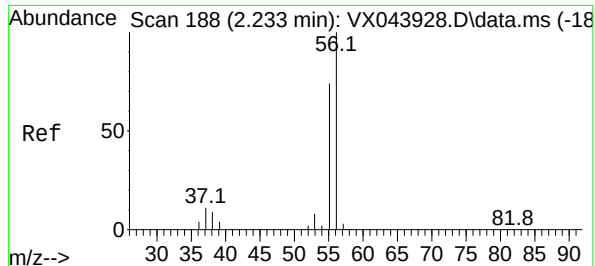
Ion Ratio Lower Upper

96 100

61 171.1 135.5 203.3

98 63.4 50.8 76.2





#13

Acrolein

Concen: 235.500 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 56 Resp: 8957

Ion Ratio Lower Upper

56 100

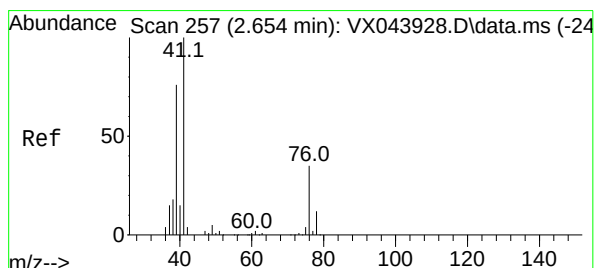
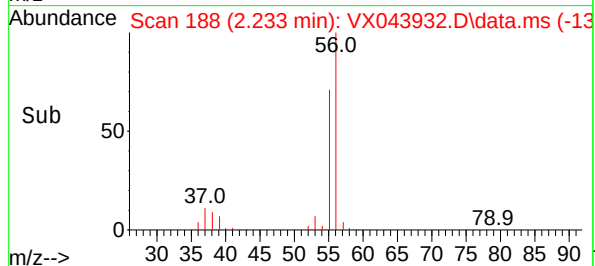
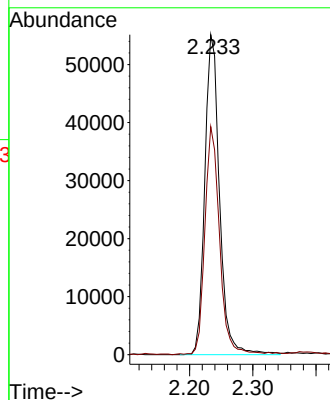
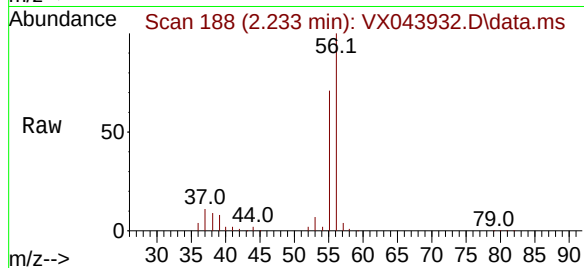
55 70.9 58.2 87.2

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 51.610 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

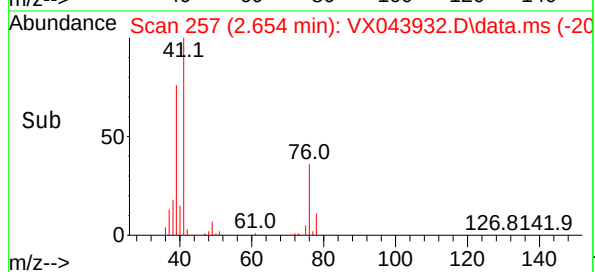
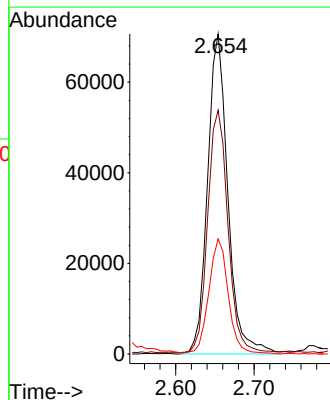
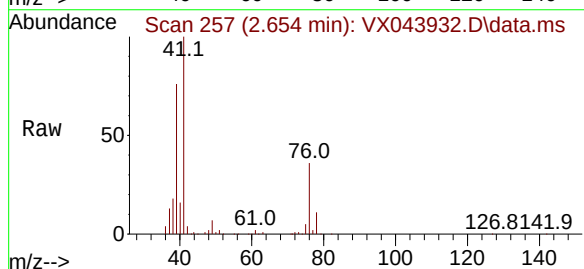
Tgt Ion: 41 Resp: 127367

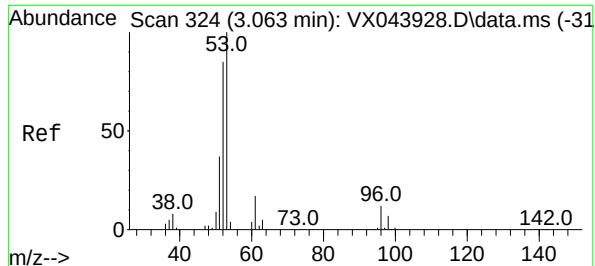
Ion Ratio Lower Upper

41 100

39 75.3 59.5 89.3

76 34.5 27.4 41.2





#15

Acrylonitrile

Concen: 259.090 ug/l

RT: 3.063 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 53 Resp: 22783

Ion Ratio Lower Upper

53 100

52 84.3 66.5 99.7

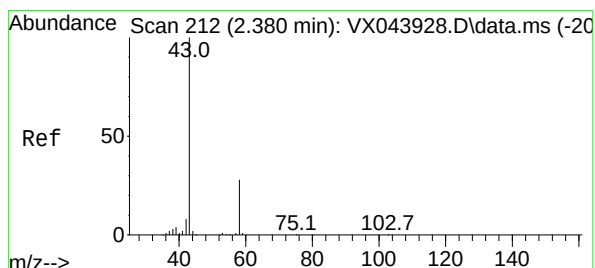
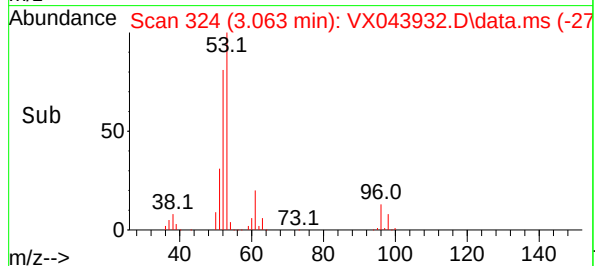
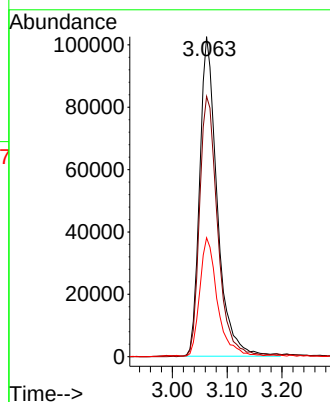
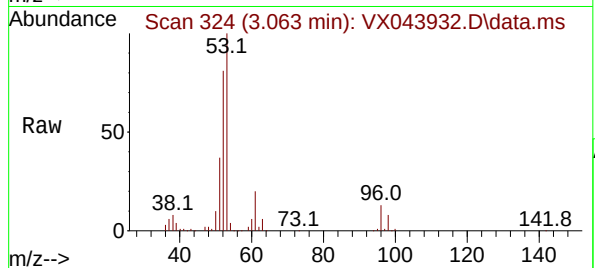
51 37.2 30.2 45.4

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 249.676 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043932.D

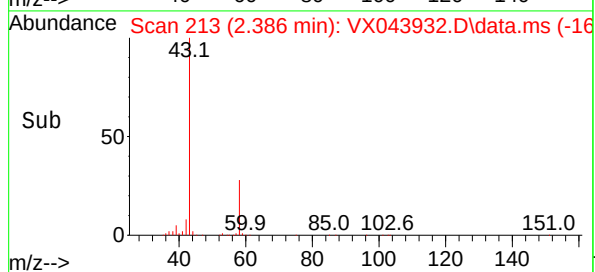
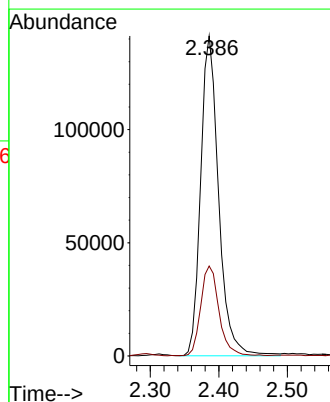
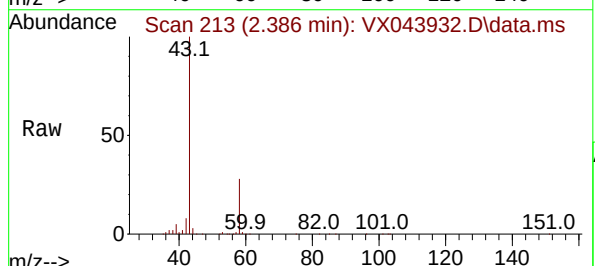
Acq: 21 Nov 2024 13:57

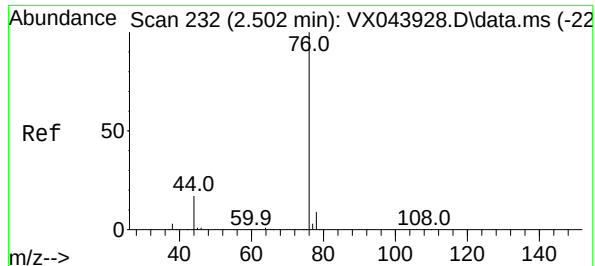
Tgt Ion: 43 Resp: 257802

Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1





#17

Carbon Disulfide

Concen: 49.375 ug/l

RT: 2.496 min Scan# 24

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 76 Resp: 153820

Ion Ratio Lower Upper

76 100

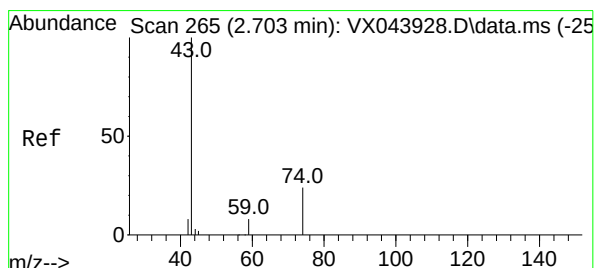
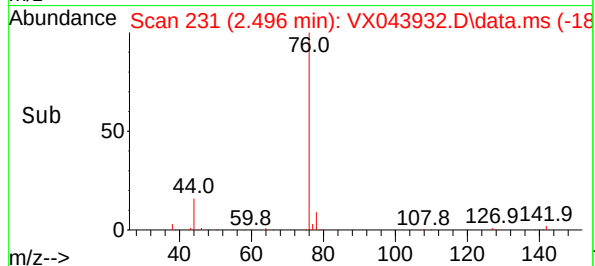
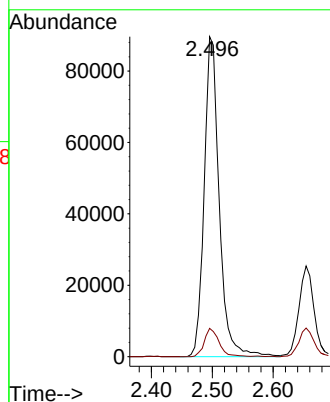
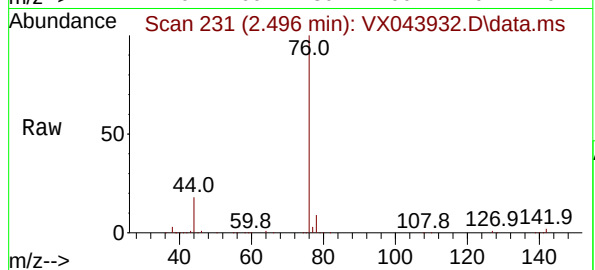
78 8.9 7.0 10.6

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 50.643 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043932.D

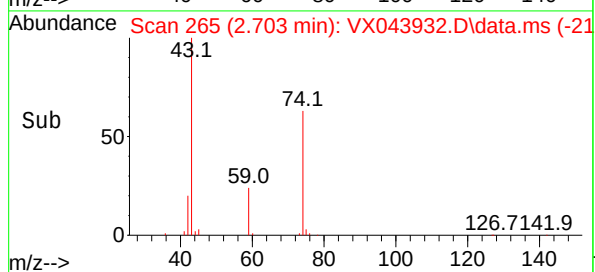
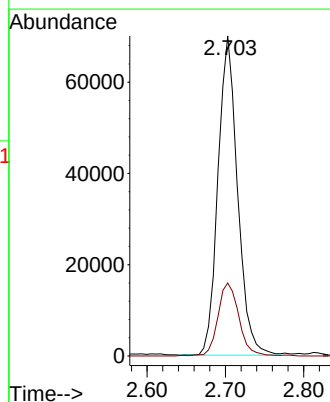
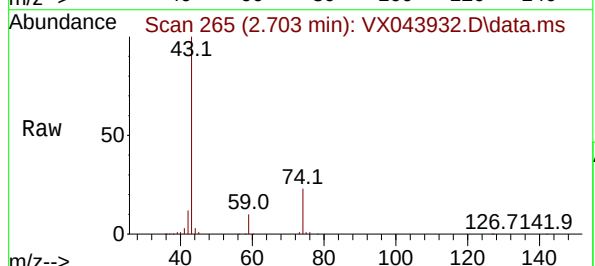
Acq: 21 Nov 2024 13:57

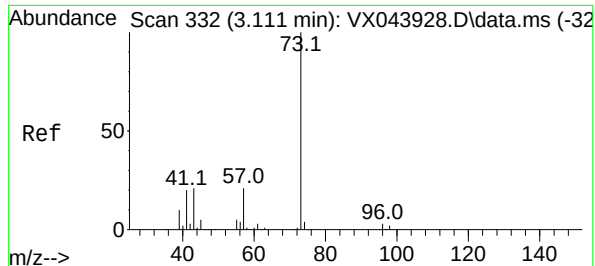
Tgt Ion: 43 Resp: 121774

Ion Ratio Lower Upper

43 100

74 24.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 50.186 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 73 Resp: 27522

Ion Ratio Lower Upper

73 100

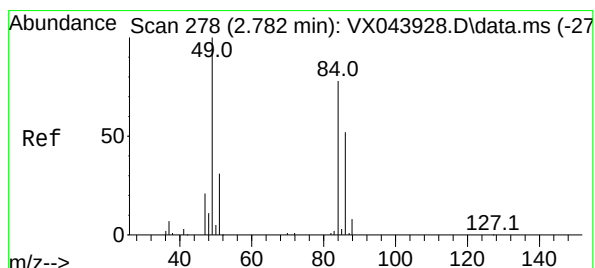
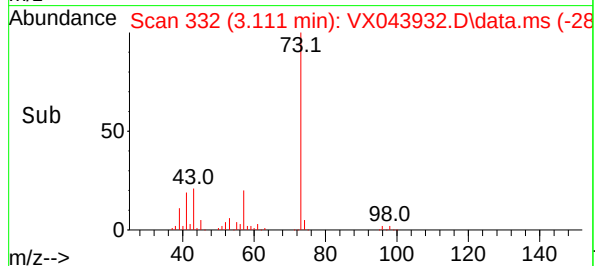
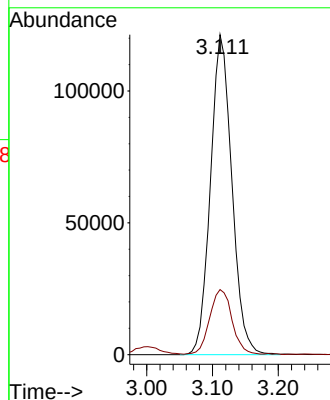
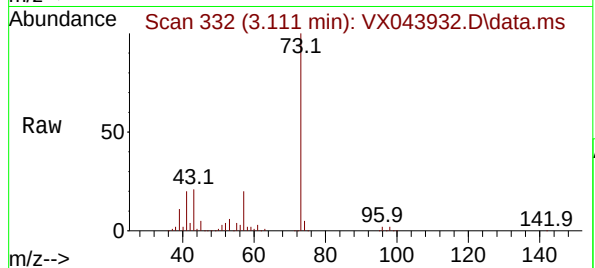
57 20.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 46.954 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

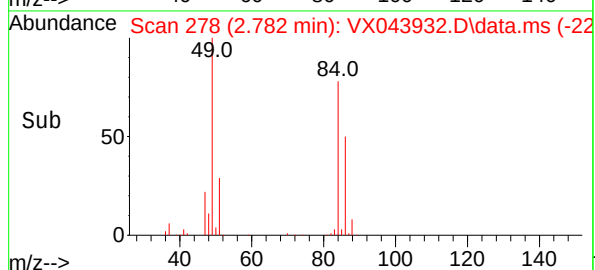
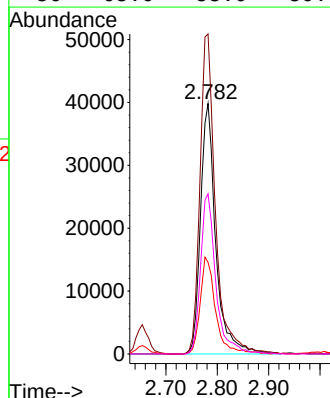
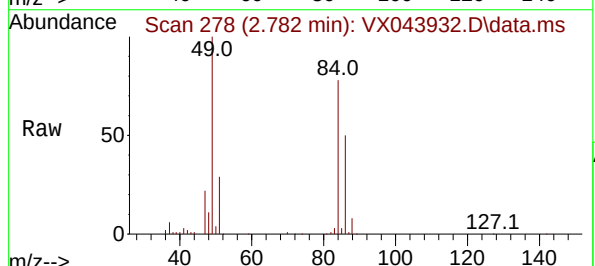
Ion Ratio Lower Upper

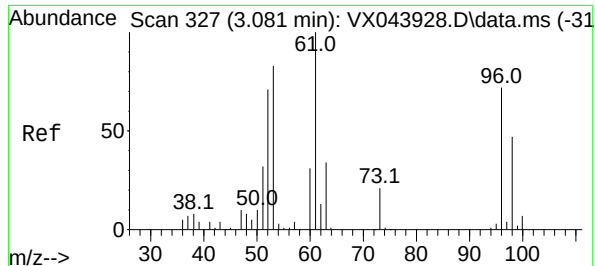
84 100

49 127.8 102.7 154.1

51 36.6 31.7 47.5

86 63.9 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 49.179 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 96 Resp: 7668

Ion Ratio Lower Upper

96 100

61 141.5 111.8 167.6

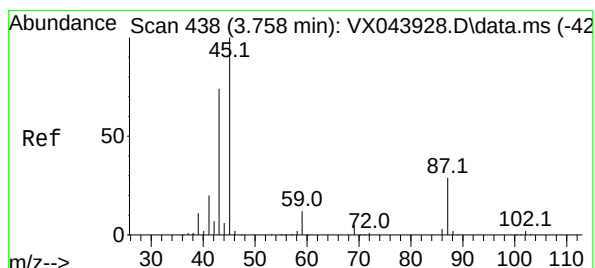
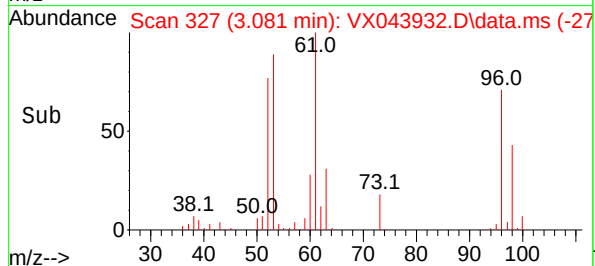
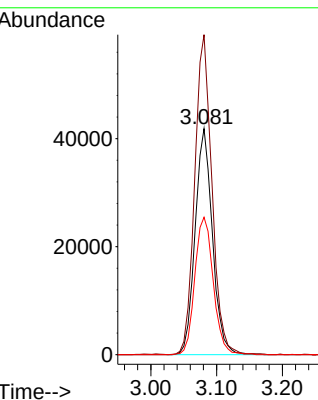
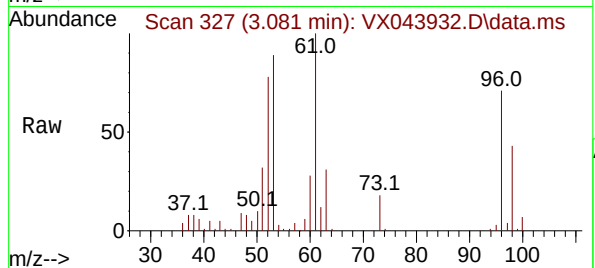
98 60.8 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 50.132 ug/l

RT: 3.758 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

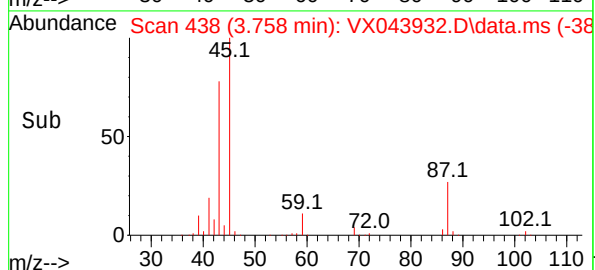
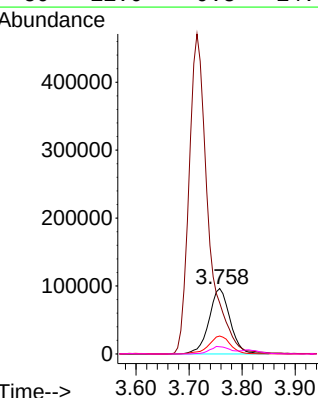
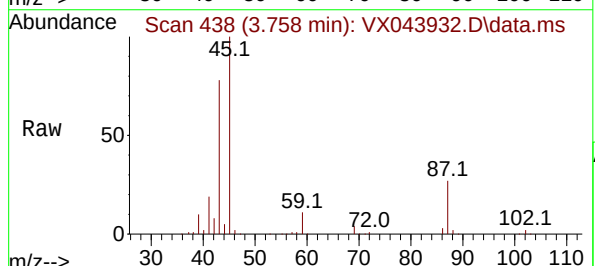
Ion Ratio Lower Upper

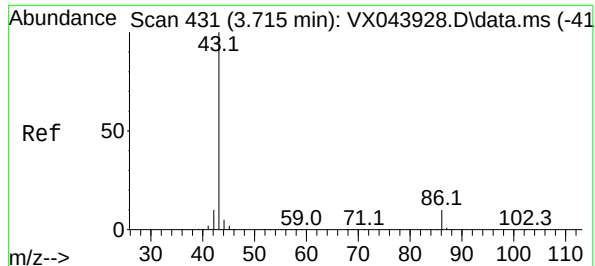
45 100

43 78.0 59.6 89.4

87 27.4 22.9 34.3

59 11.0 9.8 14.6





#23

Vinyl Acetate

Concen: 263.441 ug/l

RT: 3.715 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 118924

Ion Ratio Lower Upper

43 100

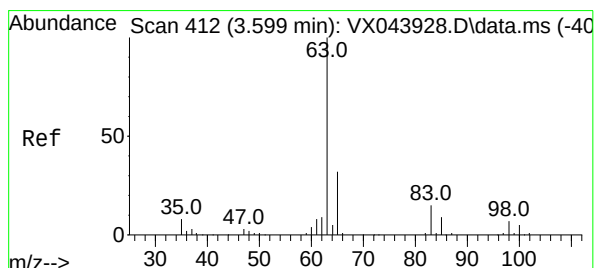
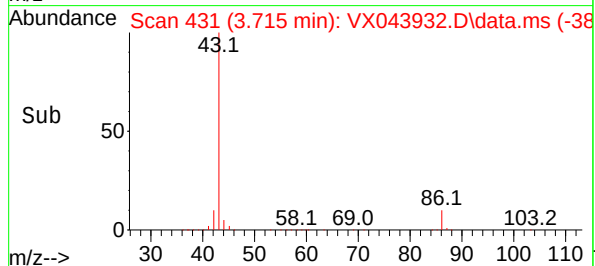
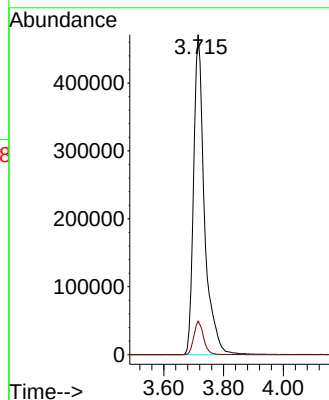
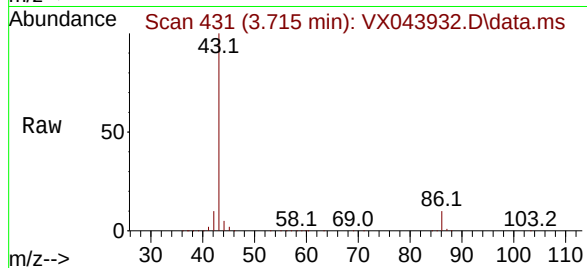
86 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 50.466 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

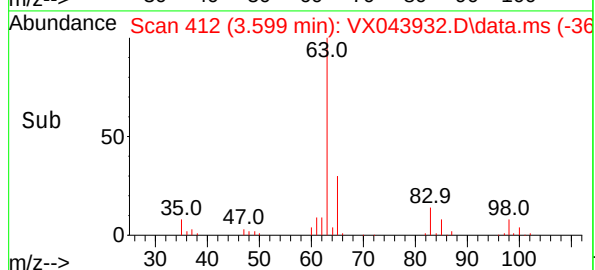
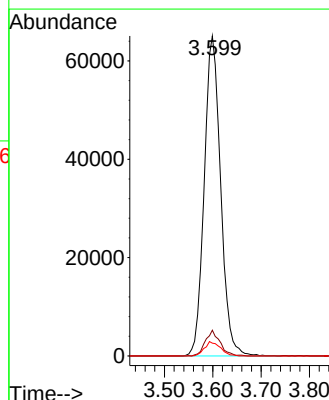
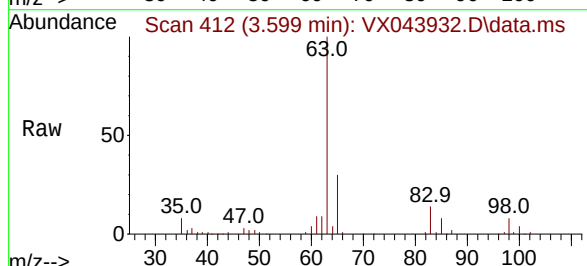
Tgt Ion: 63 Resp: 153635

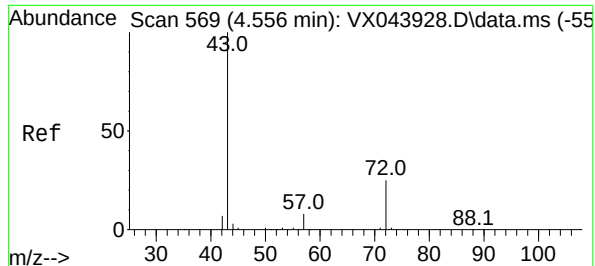
Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.6

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 261.804 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 34880

Ion Ratio Lower Upper

43 100

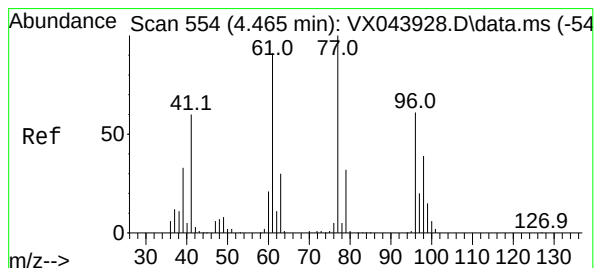
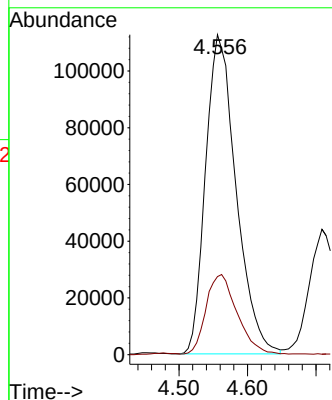
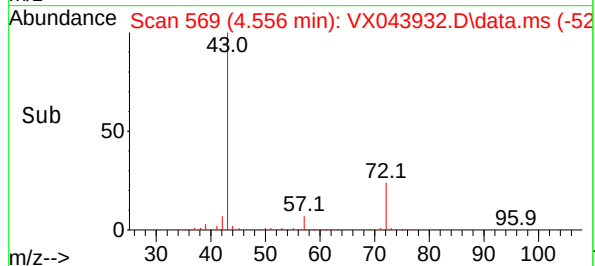
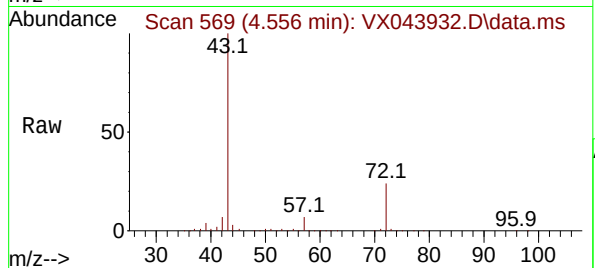
72 24.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 52.343 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX043932.D

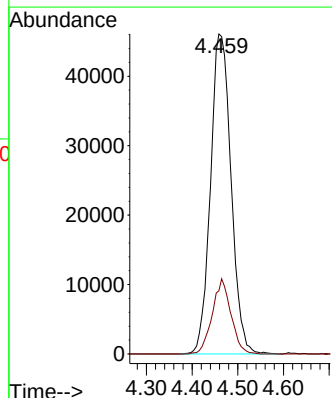
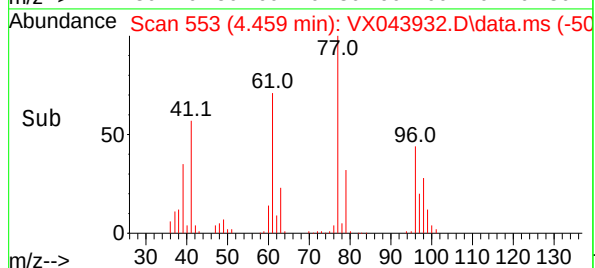
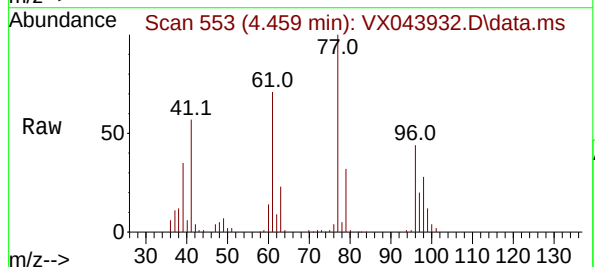
Acq: 21 Nov 2024 13:57

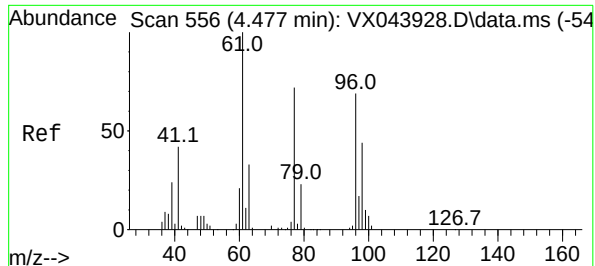
Tgt Ion: 77 Resp: 143910

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 49.326 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 96 Resp: 95070

Ion Ratio Lower Upper

96 100

61 149.6 0.0 297.4

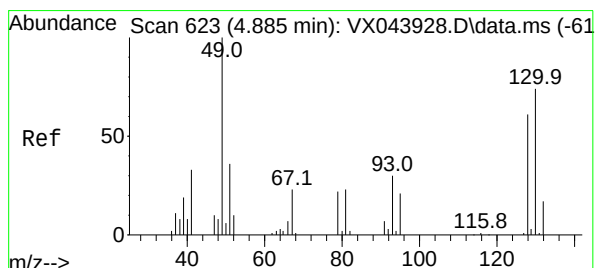
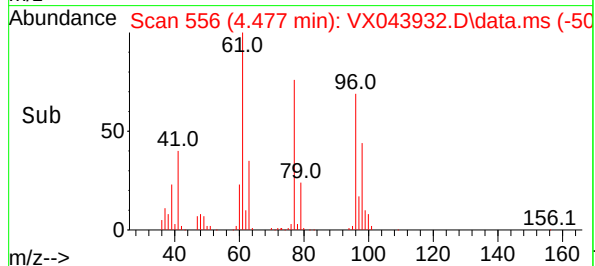
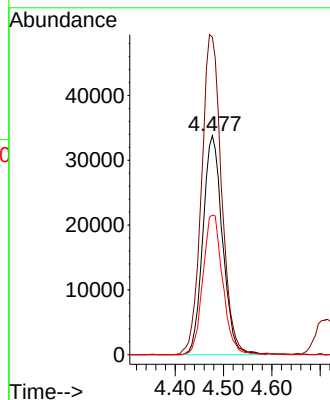
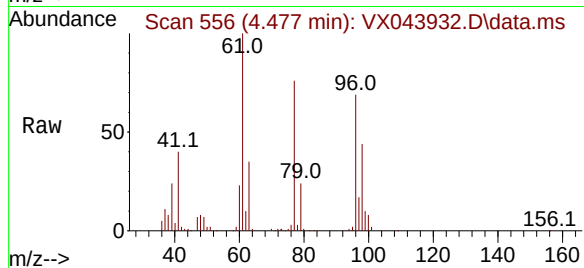
98 64.3 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 46.920 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

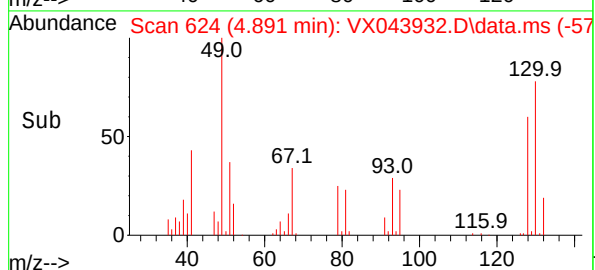
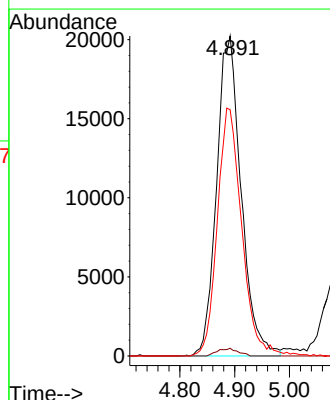
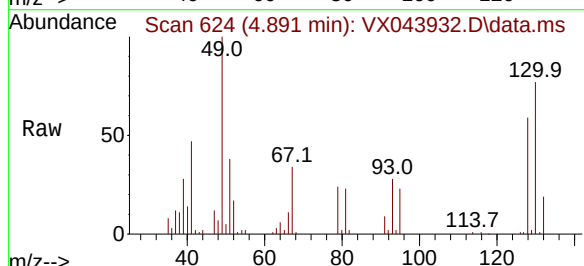
Tgt Ion: 49 Resp: 62874

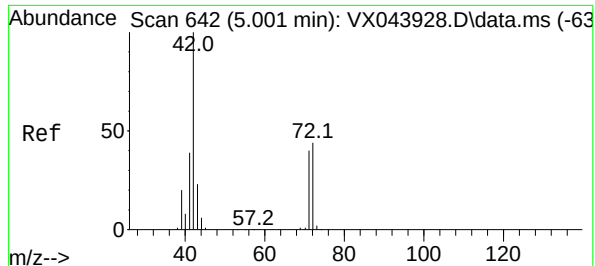
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 77.3 59.0 88.6





#29

Tetrahydrofuran

Concen: 254.585 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 42 Resp: 207942

Ion Ratio Lower Upper

42 100

72 45.6 36.4 54.6

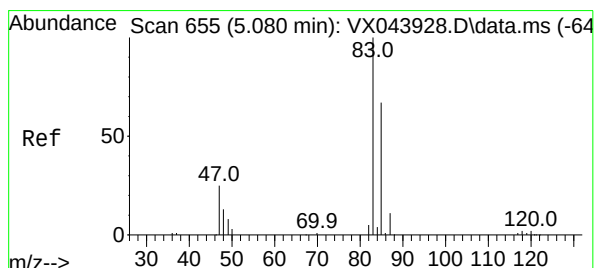
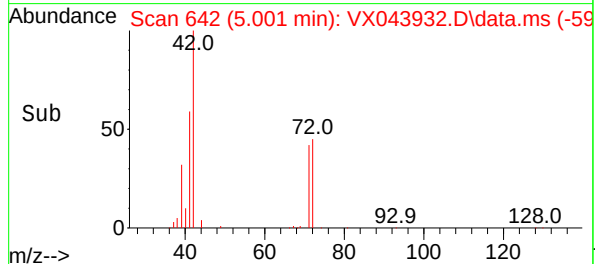
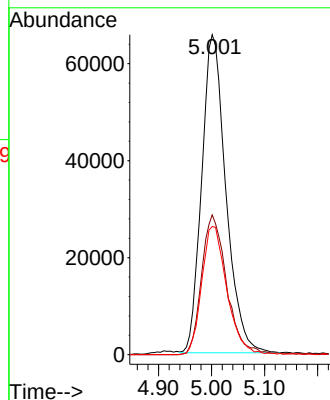
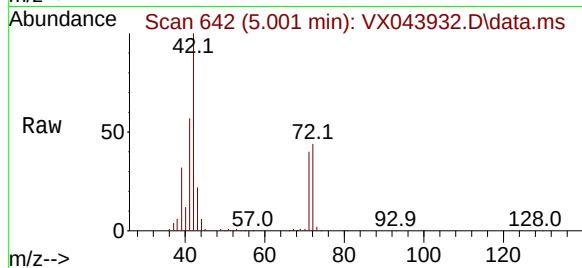
71 42.0 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 49.891 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX043932.D

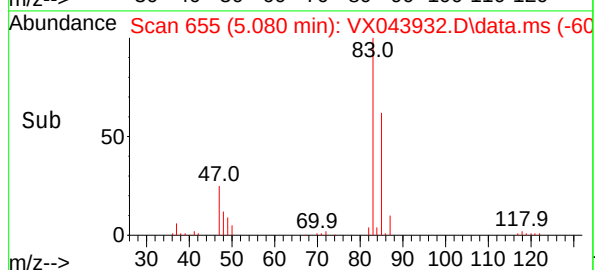
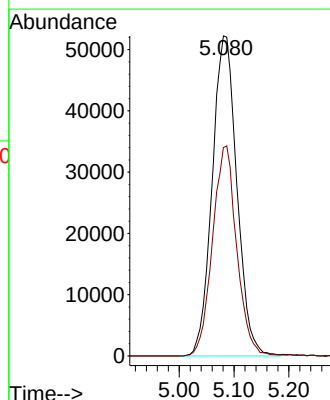
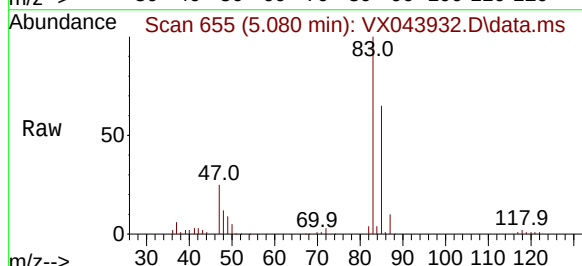
Acq: 21 Nov 2024 13:57

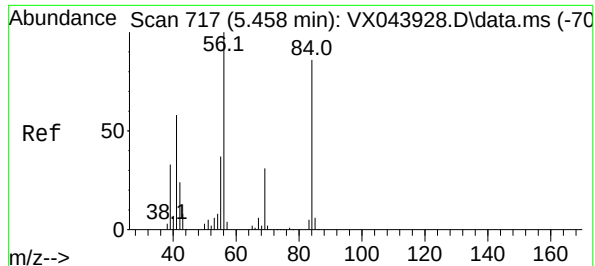
Tgt Ion: 83 Resp: 163357

Ion Ratio Lower Upper

83 100

85 65.1 53.5 80.3





#31

Cyclohexane

Concen: 51.278 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043932.D

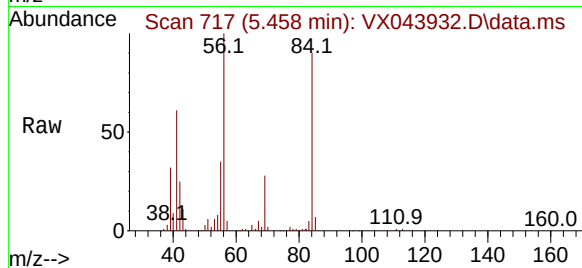
Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124



Tgt Ion: 56 Resp: 12848

Ion Ratio Lower Upper

56 100

69 28.2 24.7 37.1

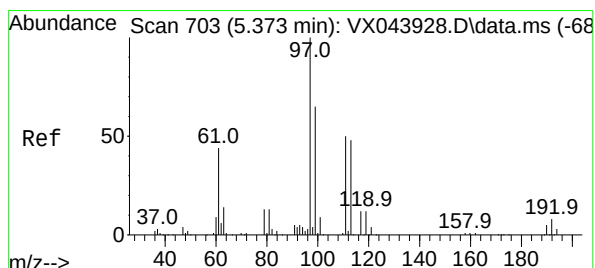
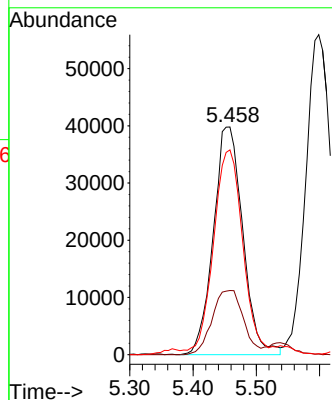
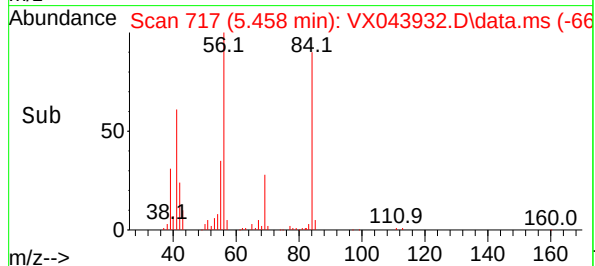
84 88.1 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 51.320 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

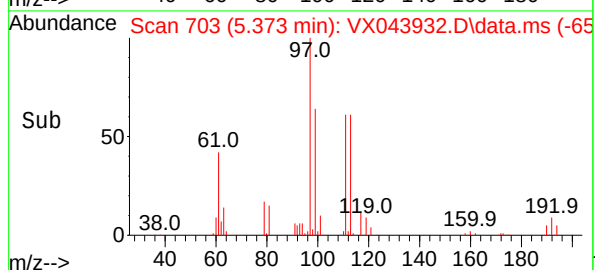
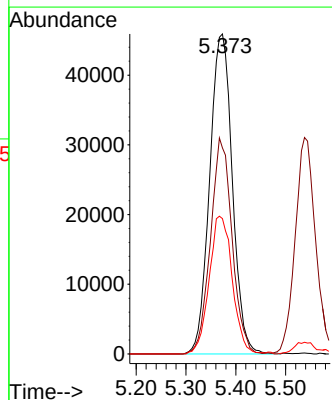
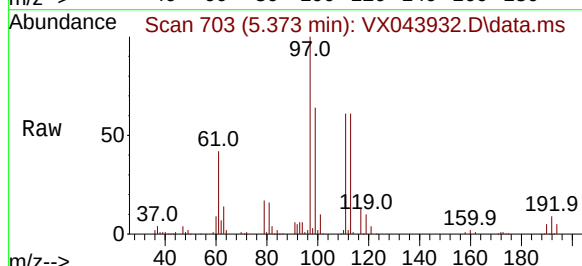
Tgt Ion: 97 Resp: 144908

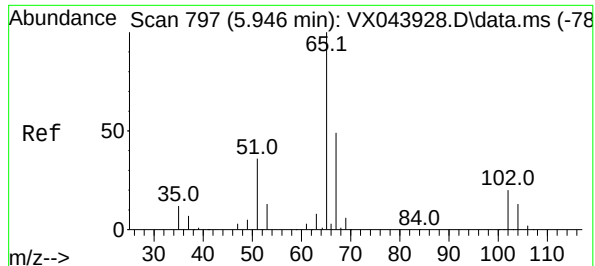
Ion Ratio Lower Upper

97 100

99 64.3 50.8 76.2

61 43.8 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 50.183 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 65 Resp: 112818

Ion Ratio Lower Upper

65 100

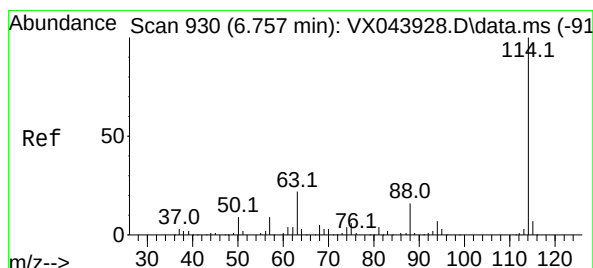
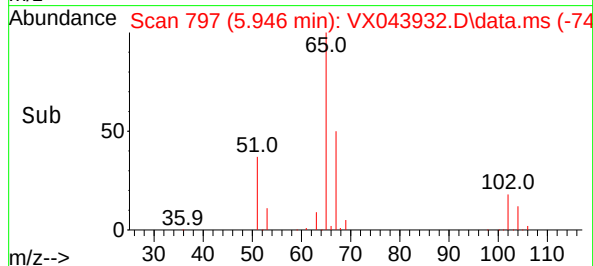
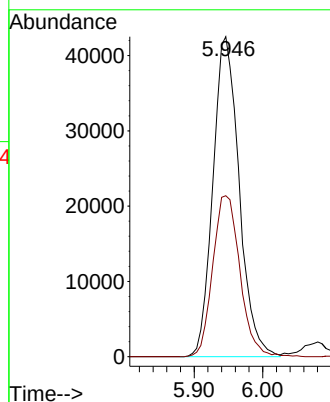
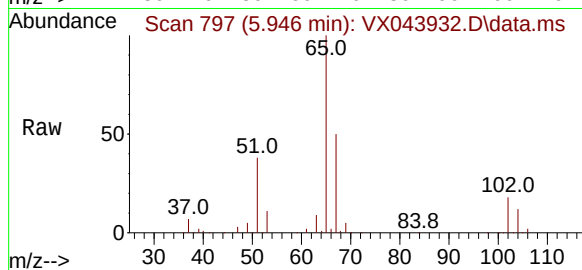
67 52.2 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

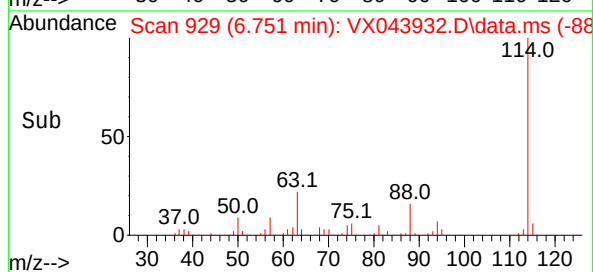
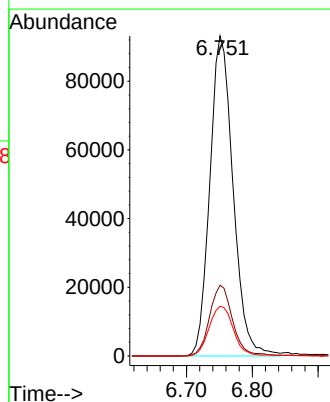
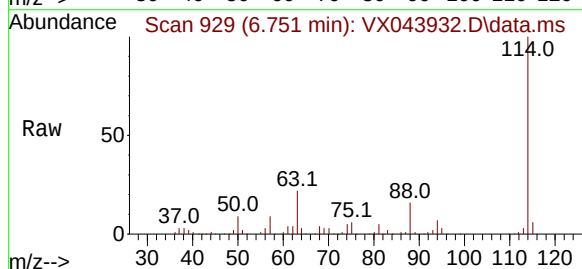
Tgt Ion:114 Resp: 229009

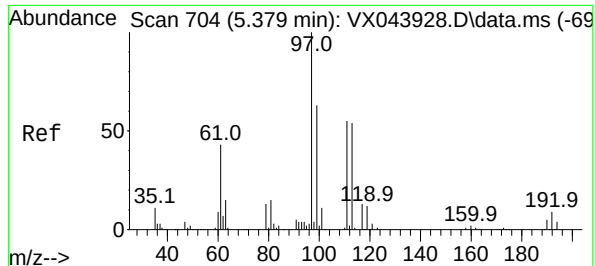
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.442 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:113 Resp: 8581

Ion Ratio Lower Upper

113 100

111 99.9 81.0 121.4

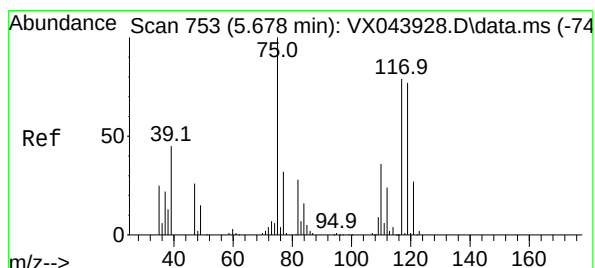
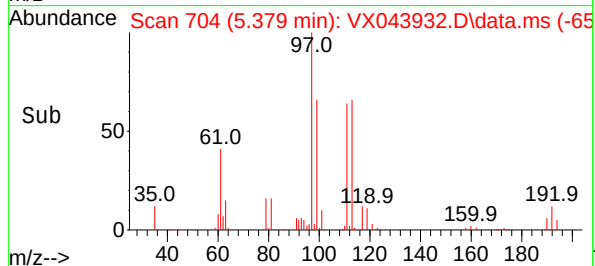
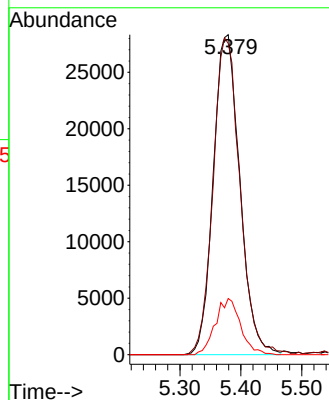
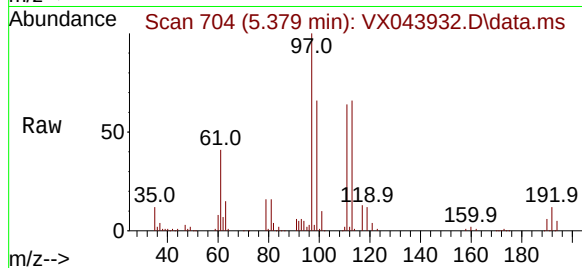
192 16.6 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 53.218 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

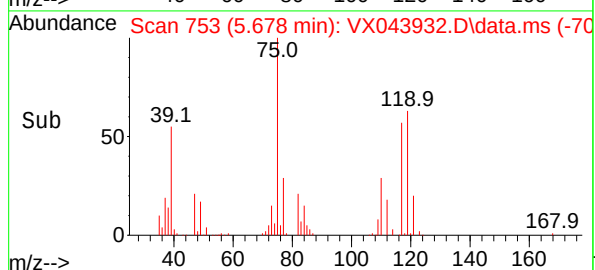
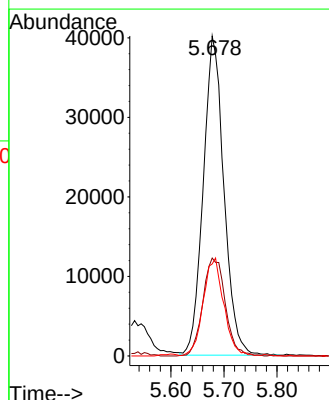
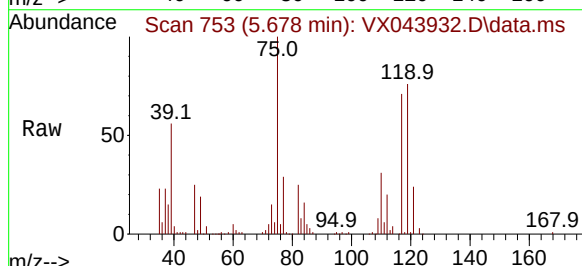
Tgt Ion: 75 Resp: 108518

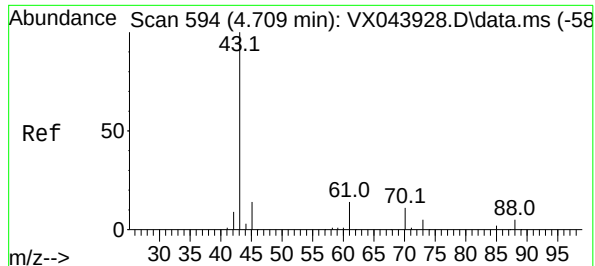
Ion Ratio Lower Upper

75 100

110 33.4 17.4 52.2

77 30.3 25.8 38.8





#37

Ethyl Acetate

Concen: 52.656 ug/l

RT: 4.709 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 133283

Ion Ratio Lower Upper

43 100

61 12.2 10.7 16.1

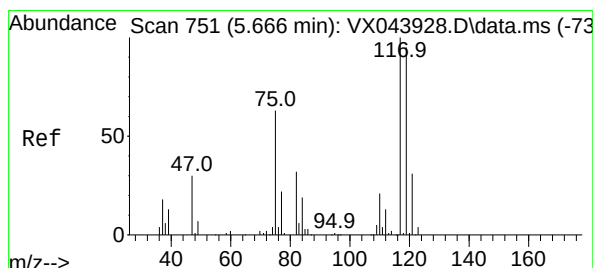
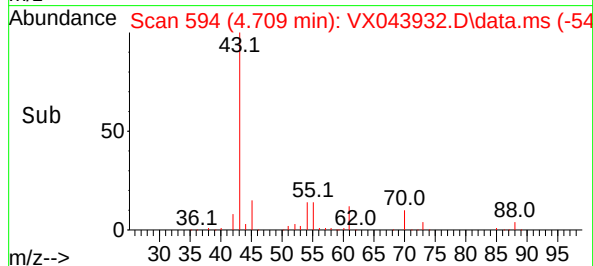
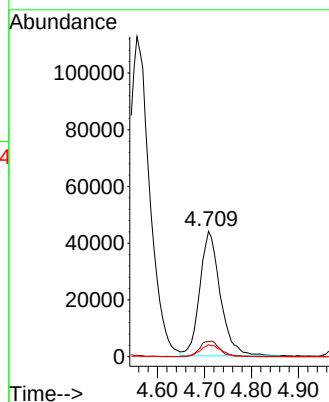
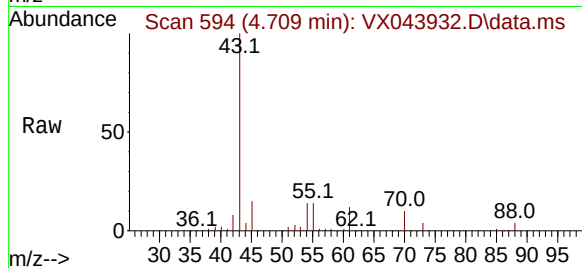
70 9.3 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 51.786 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

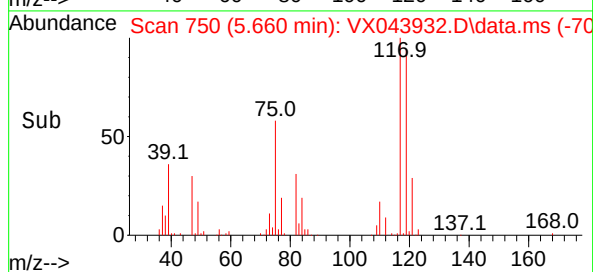
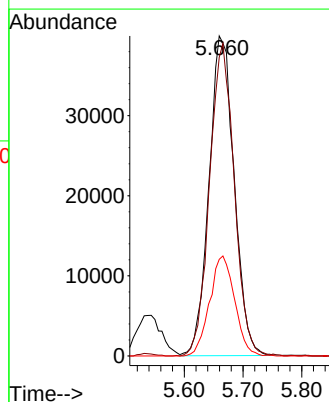
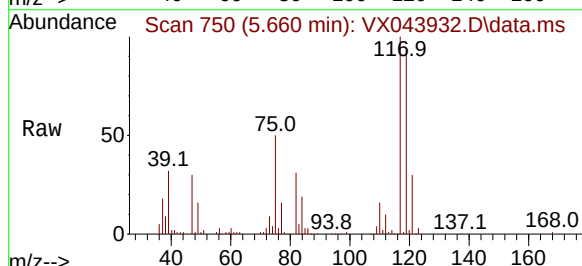
Tgt Ion:117 Resp: 118655

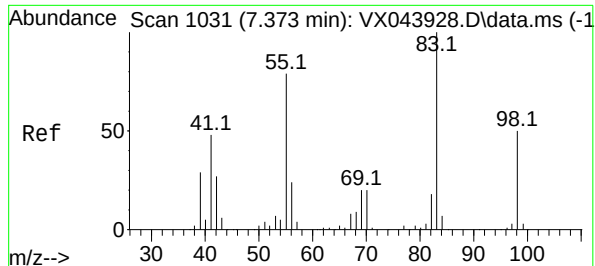
Ion Ratio Lower Upper

117 100

119 93.5 75.2 112.8

121 30.3 24.5 36.7





#39

Methylcyclohexane

Concen: 53.489 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 83 Resp: 141690

Ion Ratio Lower Upper

83

100

55

98

70.0

48.6

63.1

40.0

94.7

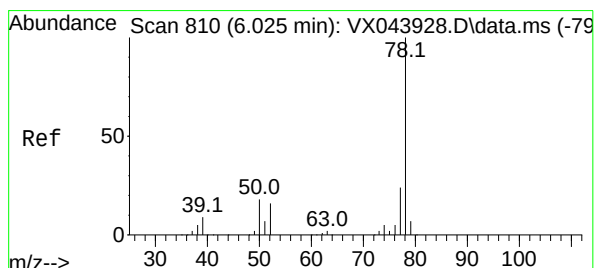
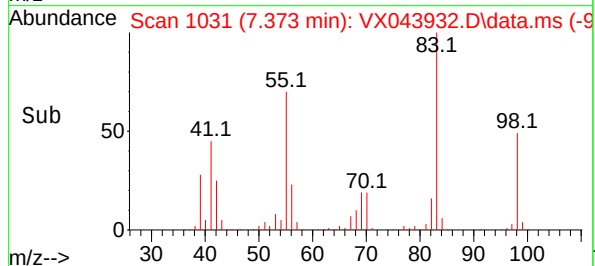
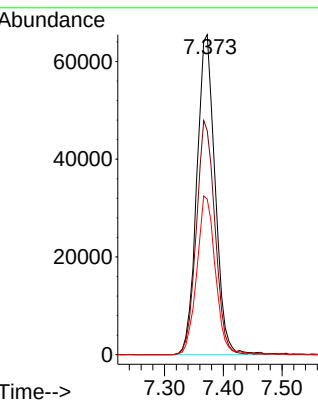
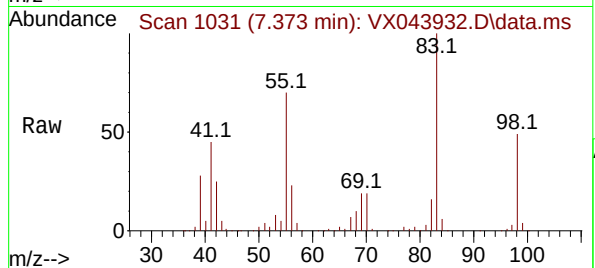
60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 50.257 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

Ion Ratio Lower Upper

78

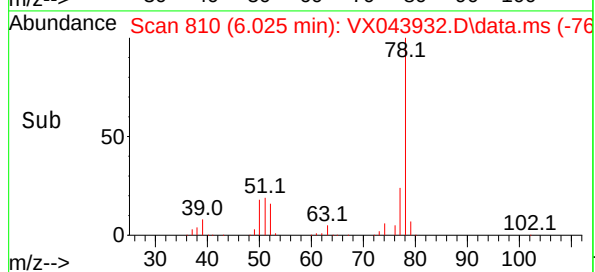
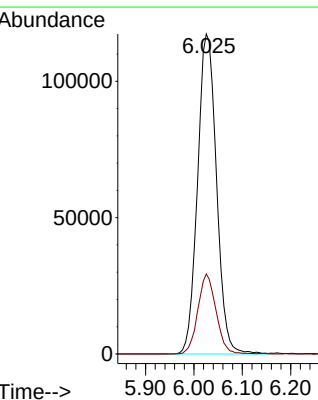
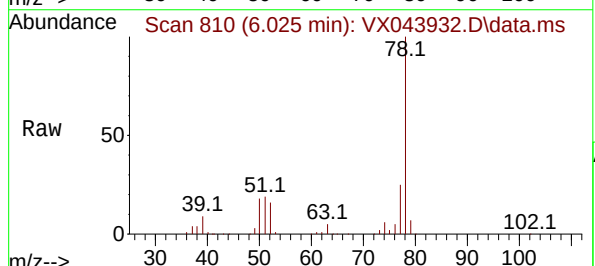
100

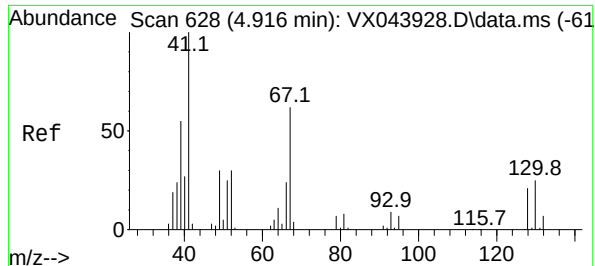
77

25.0

19.2

28.8





#41

Methacrylonitrile

Concen: 53.851 ug/l

RT: 4.916 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 41 Resp: 6976

Ion Ratio Lower Upper

41 100

39 53.2 41.7 62.5

67 70.1 55.8 83.8

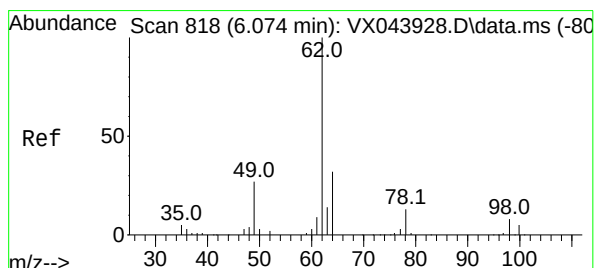
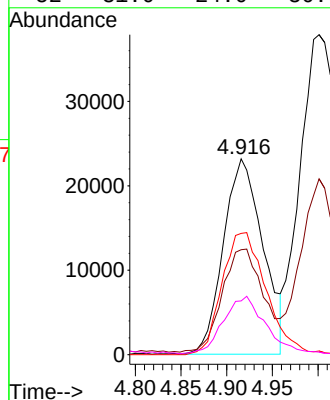
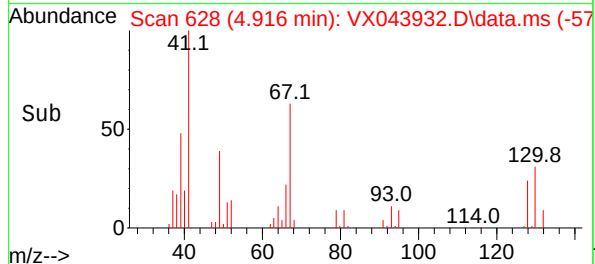
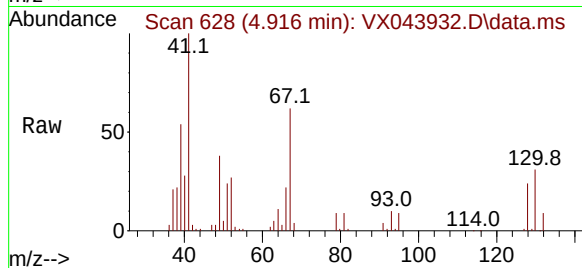
52 31.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 50.421 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX043932.D

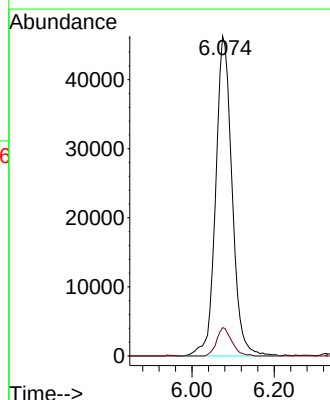
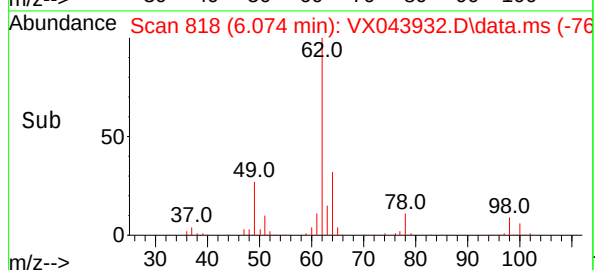
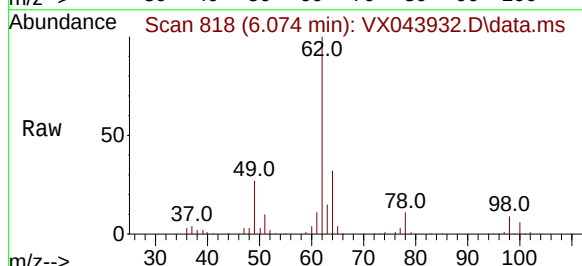
Acq: 21 Nov 2024 13:57

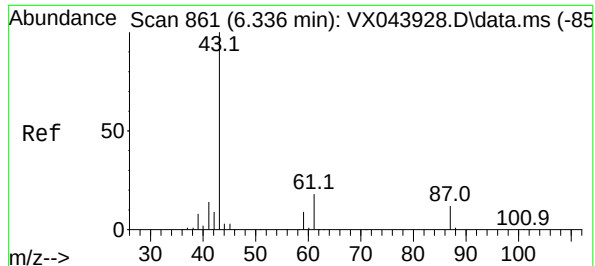
Tgt Ion: 62 Resp: 128623

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 51.469 ug/l

RT: 6.336 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 20733

Ion Ratio Lower Upper

43 100

61 18.6 14.5 21.7

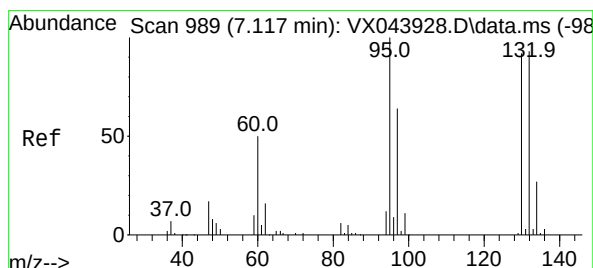
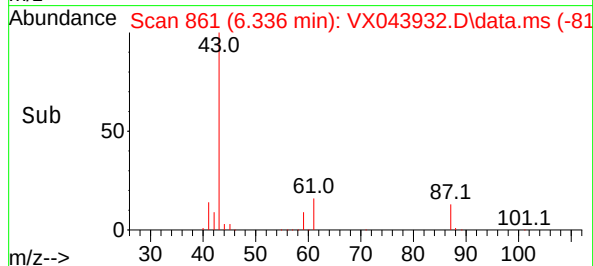
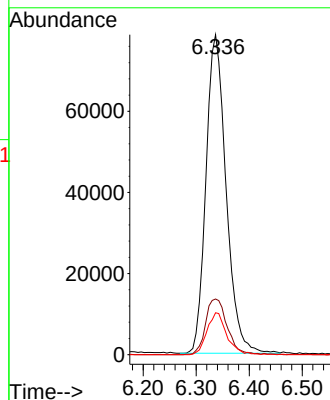
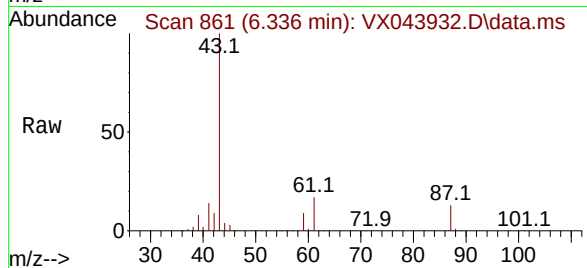
87 12.9 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 44.554 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043932.D

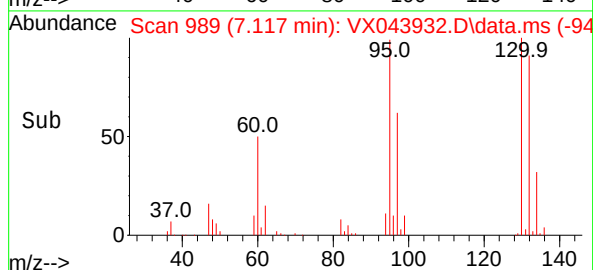
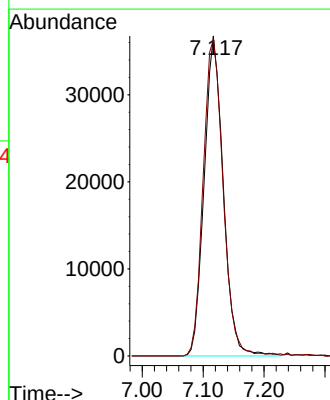
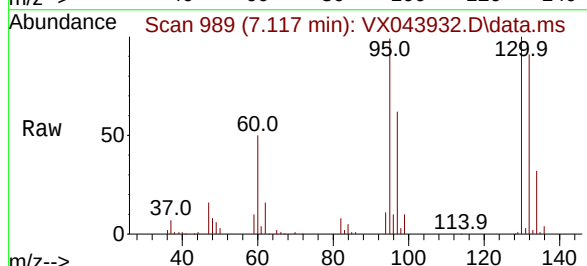
Acq: 21 Nov 2024 13:57

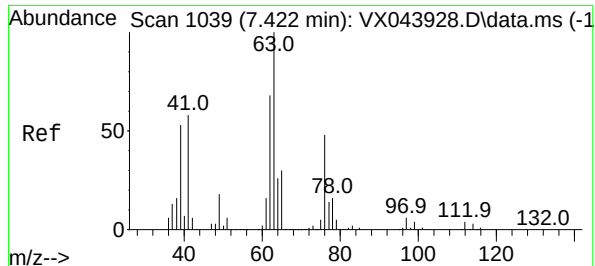
Tgt Ion:130 Resp: 80113

Ion Ratio Lower Upper

130 100

95 98.9 0.0 217.8





#45

1,2-Dichloropropane

Concen: 47.811 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 63 Resp: 74380

Ion Ratio Lower Upper

63 100

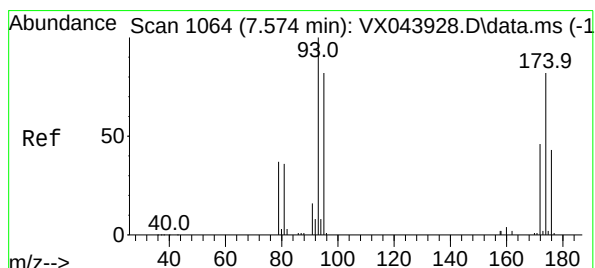
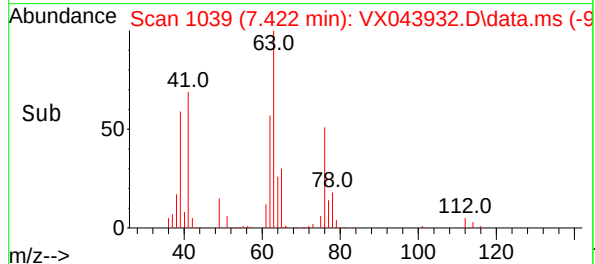
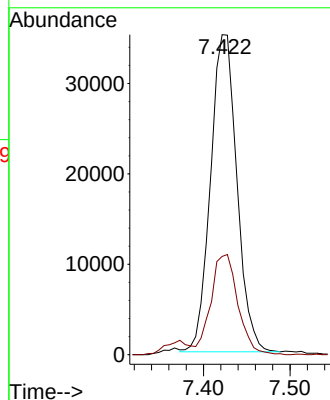
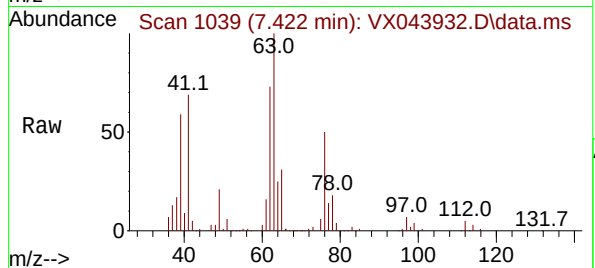
65 30.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 50.662 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

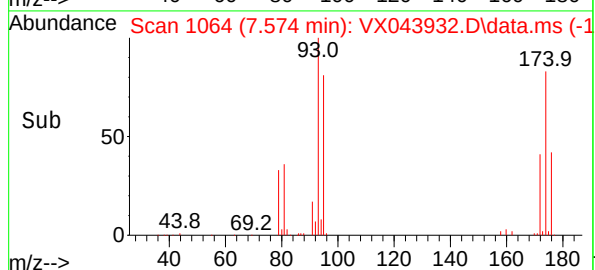
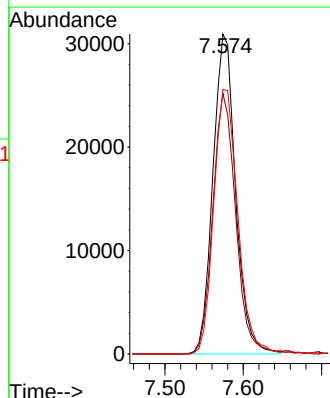
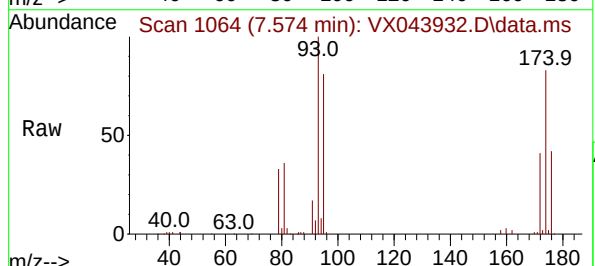
Tgt Ion: 93 Resp: 62345

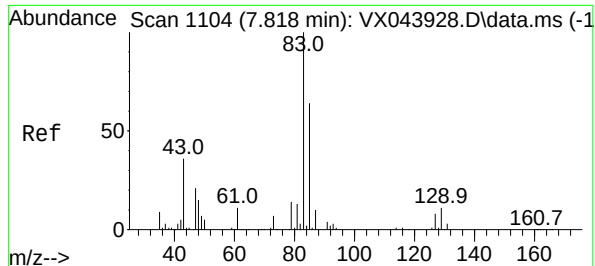
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.2 69.6 104.4





#47

Bromodichloromethane

Concen: 52.648 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

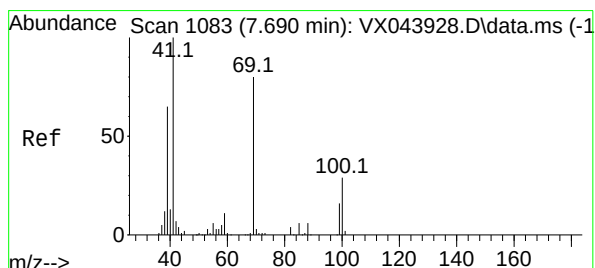
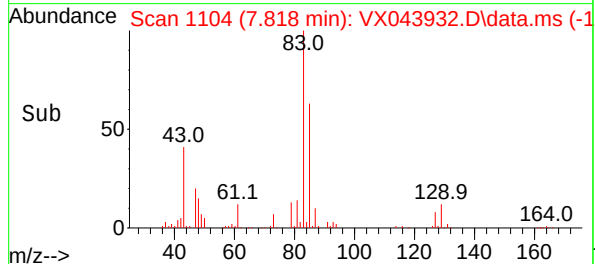
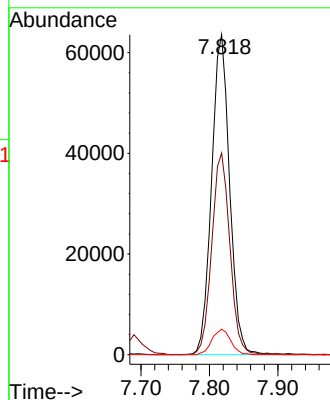
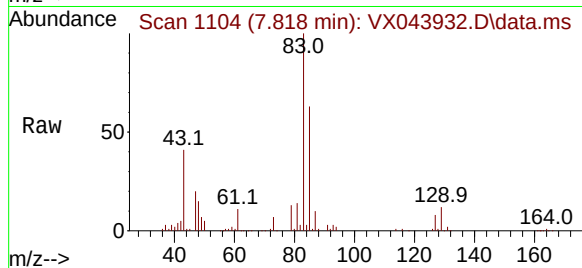
Tgt Ion:	83	Resp:	11619
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	8.0	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 52.284 ug/l

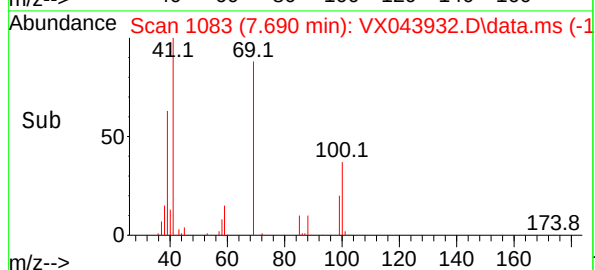
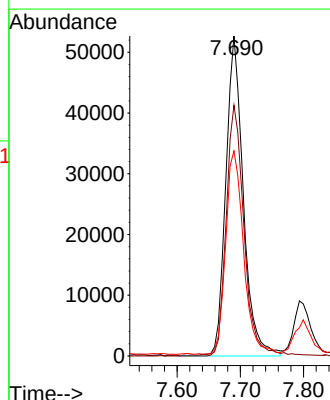
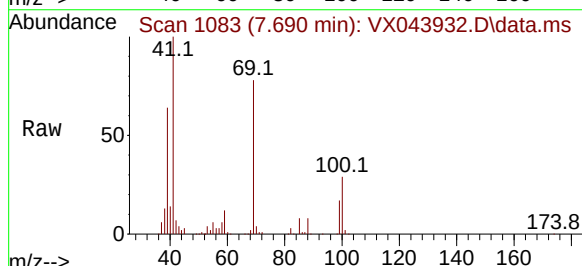
RT: 7.690 min Scan# 1083

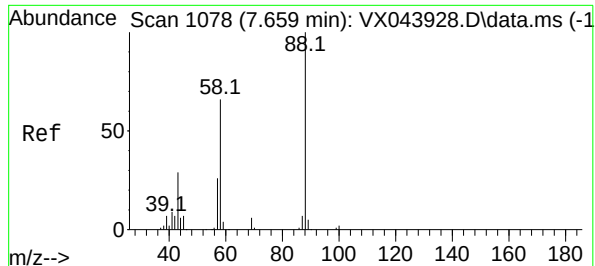
Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion:	41	Resp:	101062
Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.6	97.0
39	65.2	53.3	79.9





#49

1,4-Dioxane

Concen: 905.506 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

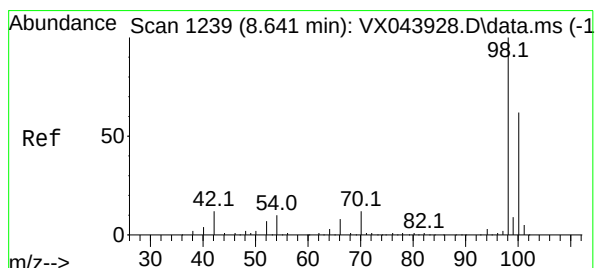
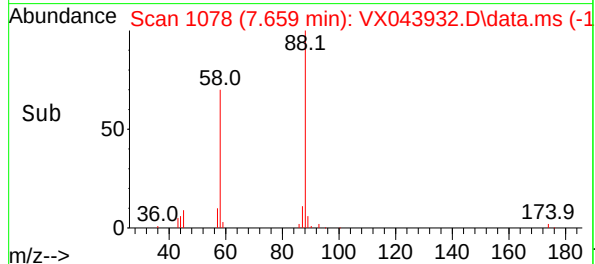
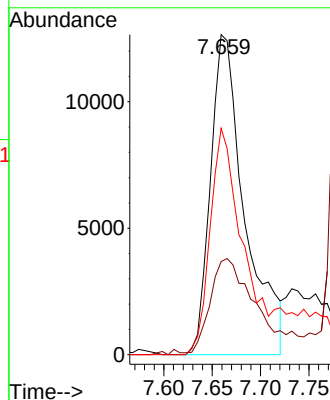
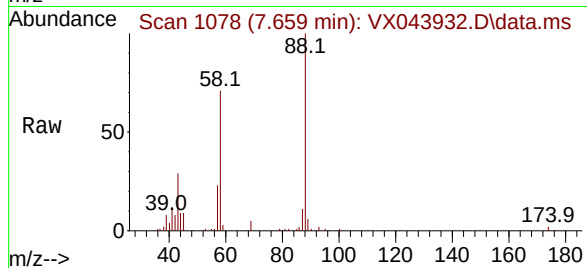
Tgt Ion:	88	Resp:	31178
Ion	Ratio	Lower	Upper
88	100		
43	39.9	26.8	40.2
58	68.3	45.4	68.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 51.234 ug/l

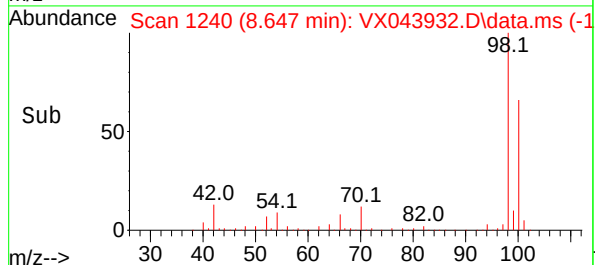
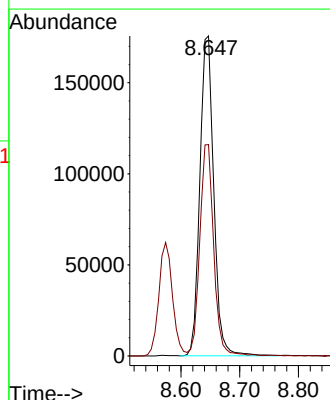
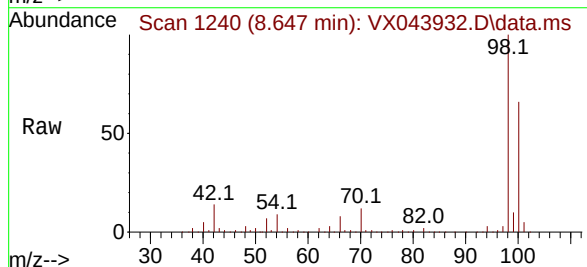
RT: 8.647 min Scan# 1240

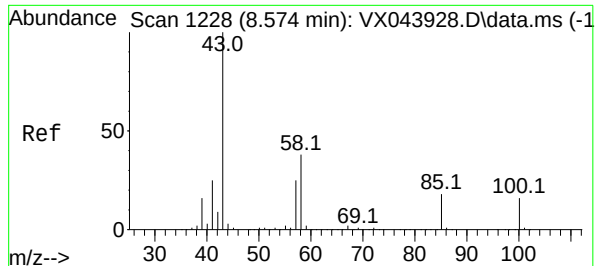
Delta R.T. 0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion:	98	Resp:	289000
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 265.520 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 65272

Ion Ratio Lower Upper

43 100

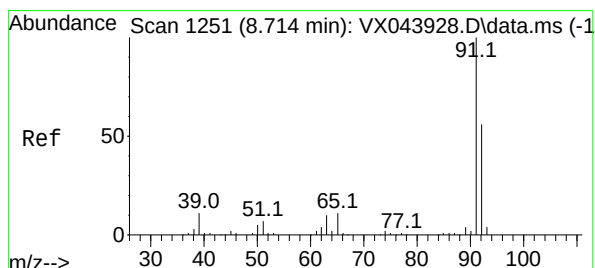
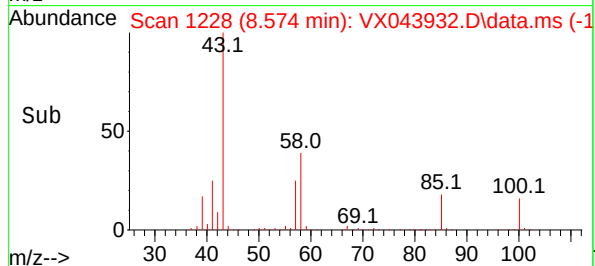
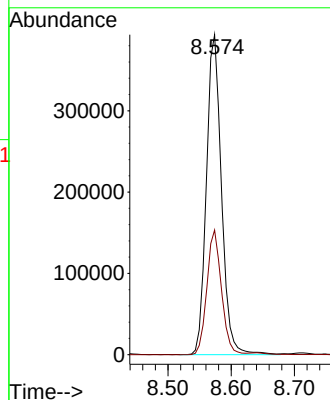
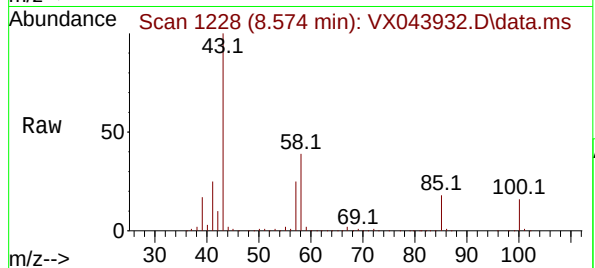
58 37.6 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 51.507 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043932.D

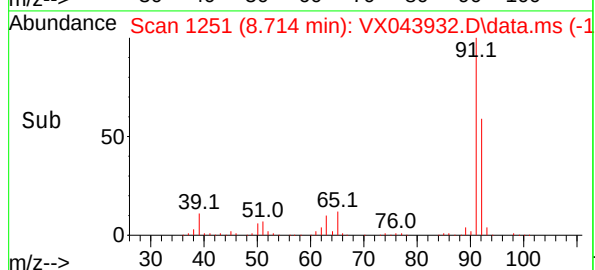
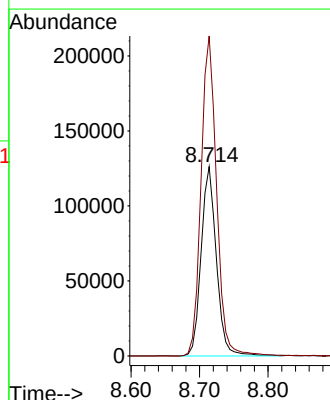
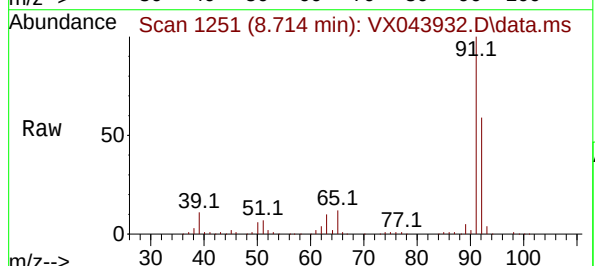
Acq: 21 Nov 2024 13:57

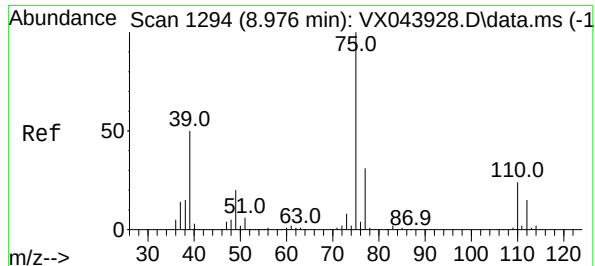
Tgt Ion: 92 Resp: 195814

Ion Ratio Lower Upper

92 100

91 172.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 53.077 ug/l

RT: 8.976 min Scan# 11946

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 75 Resp: 11946

Ion Ratio Lower Upper

75 100

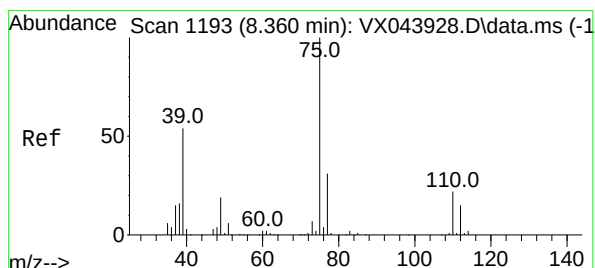
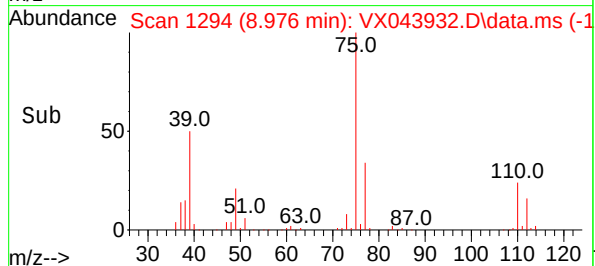
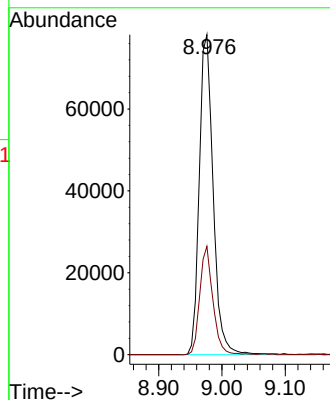
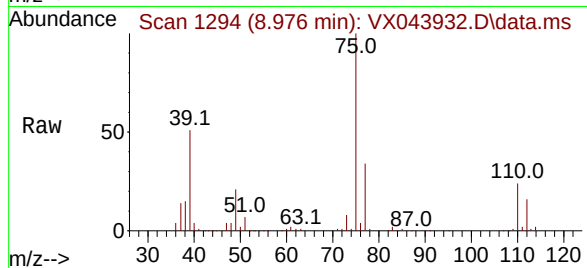
77 33.9 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 52.205 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

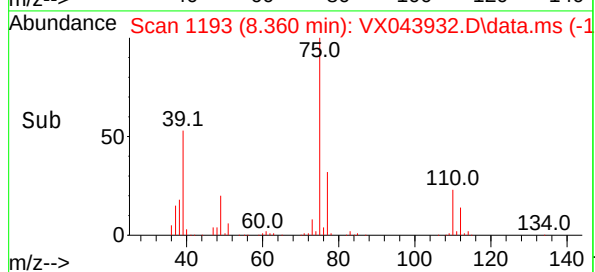
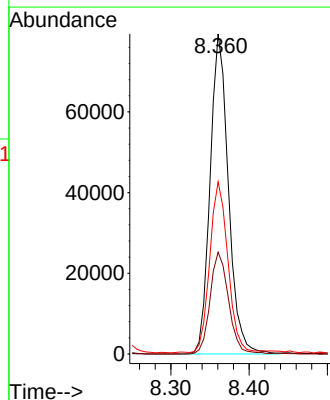
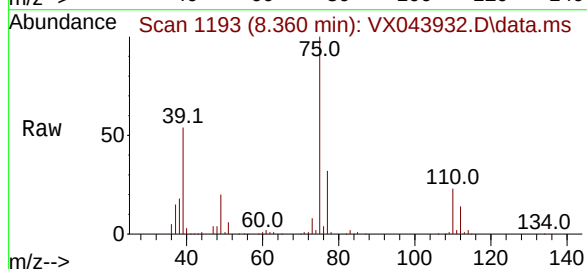
Tgt Ion: 75 Resp: 128808

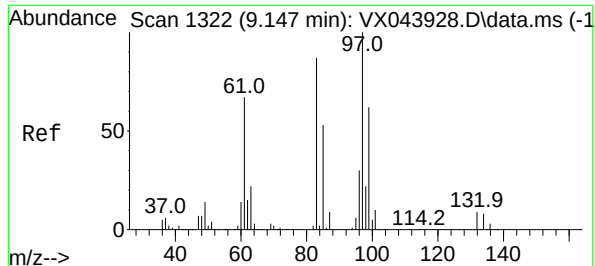
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 53.2 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 50.069 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 97 Resp: 78579

Ion Ratio Lower Upper

97 100

83 87.0 69.4 104.0

85 57.7 42.3 63.5

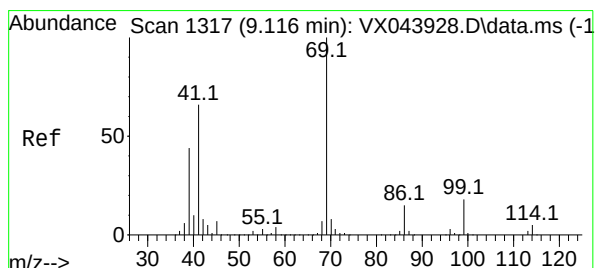
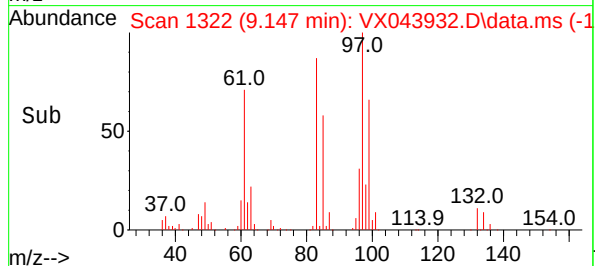
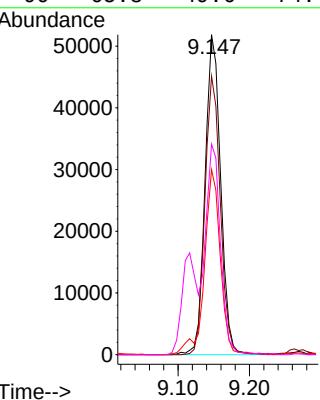
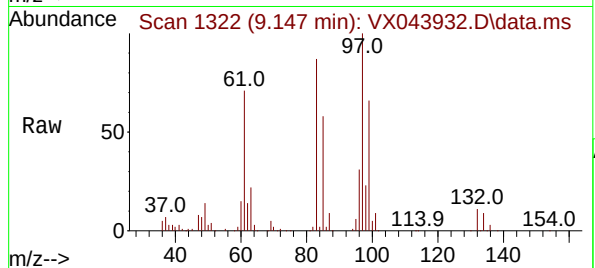
99 65.8 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 53.118 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

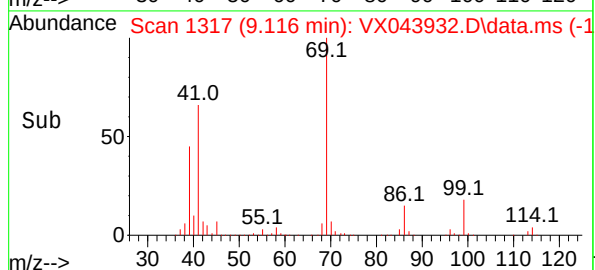
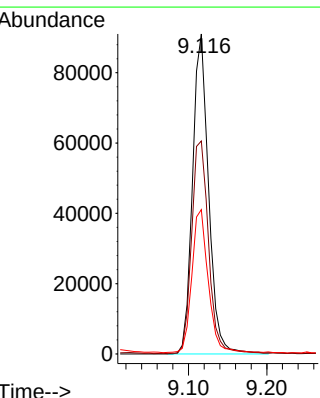
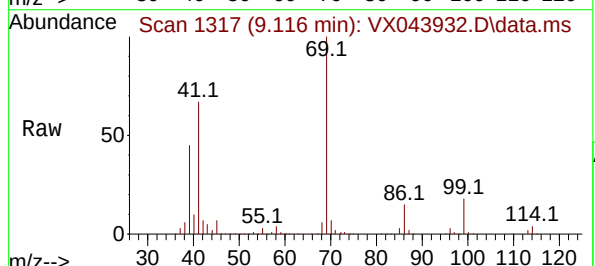
Tgt Ion: 69 Resp: 129841

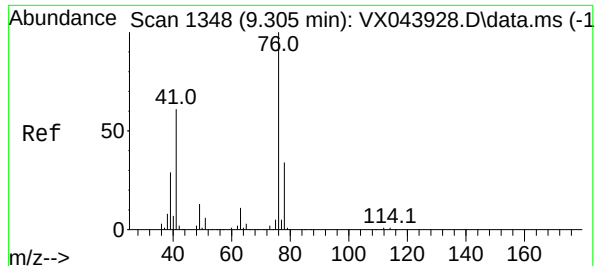
Ion Ratio Lower Upper

69 100

41 69.8 55.8 83.8

39 46.1 36.7 55.1





#57

1,3-Dichloropropane

Concen: 50.945 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 76 Resp: 134680

Ion Ratio Lower Upper

76 100

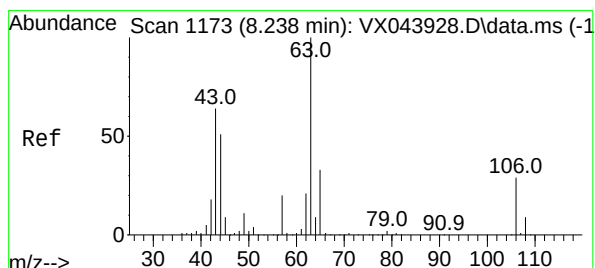
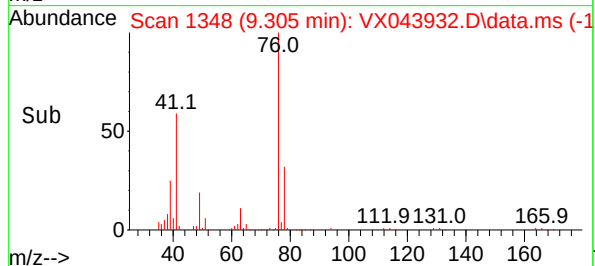
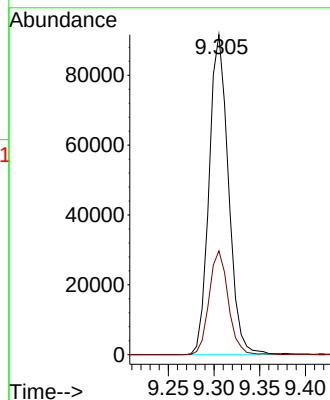
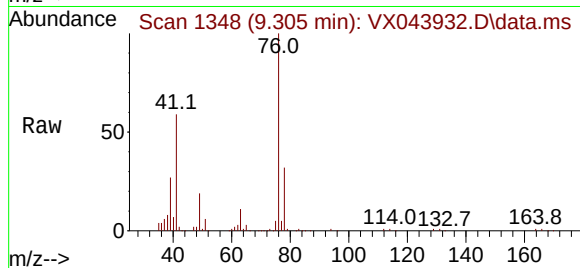
78 32.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 235.230 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043932.D

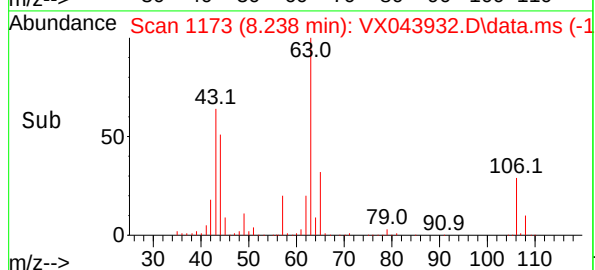
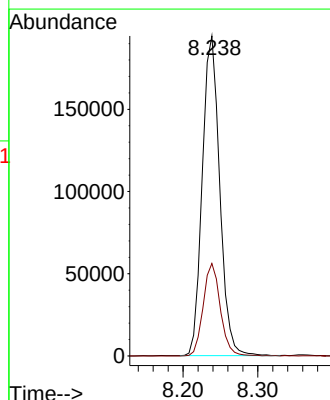
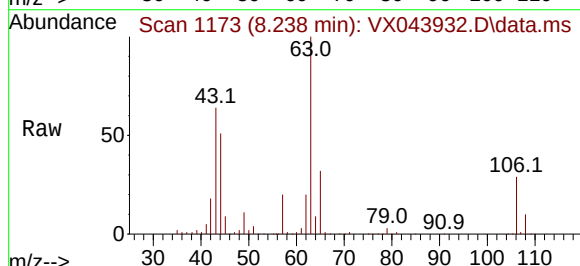
Acq: 21 Nov 2024 13:57

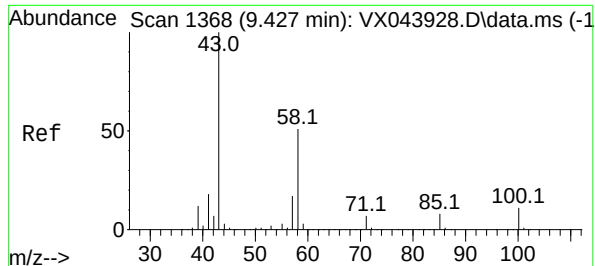
Tgt Ion: 63 Resp: 315358

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 273.011 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 50444

Ion Ratio Lower Upper

43 100

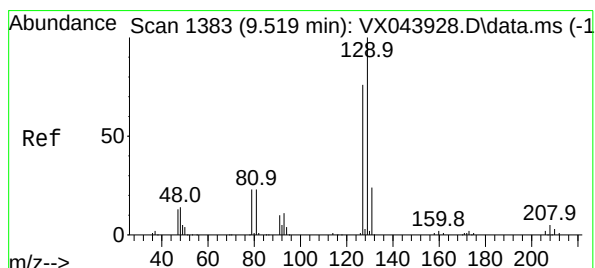
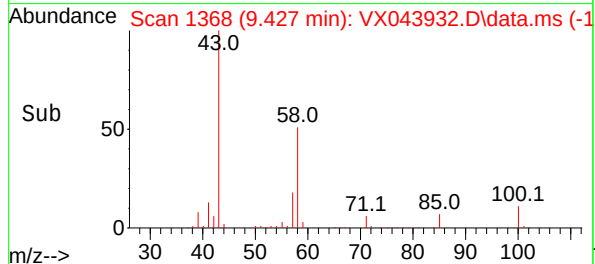
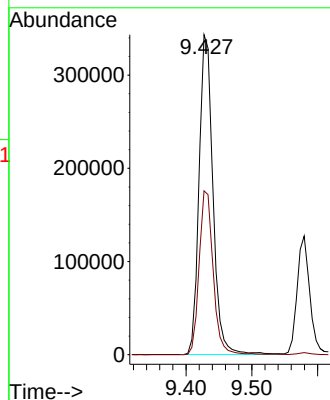
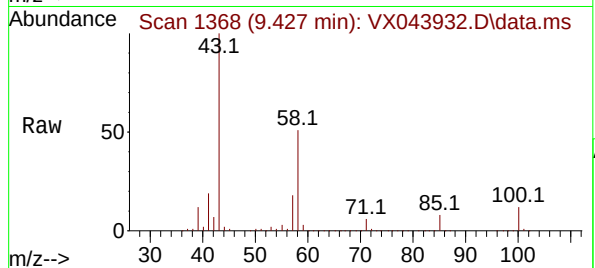
58 51.8 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 52.557 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043932.D

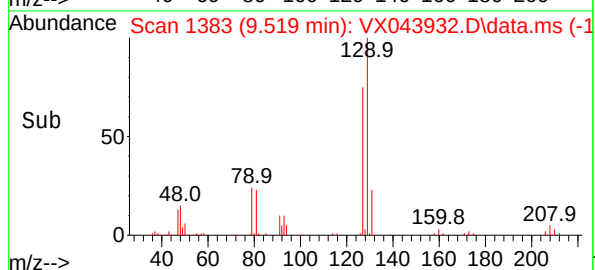
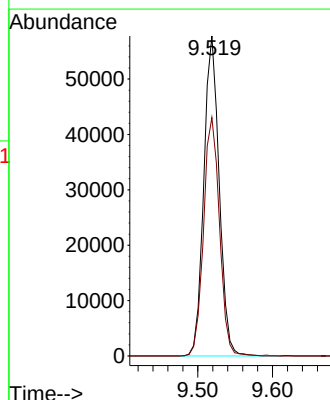
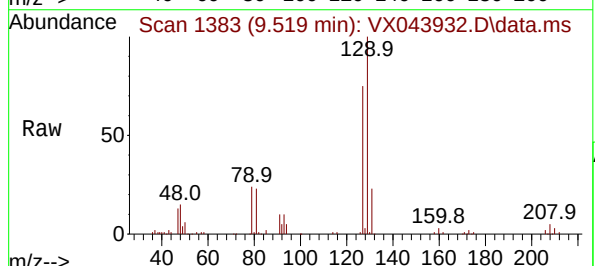
Acq: 21 Nov 2024 13:57

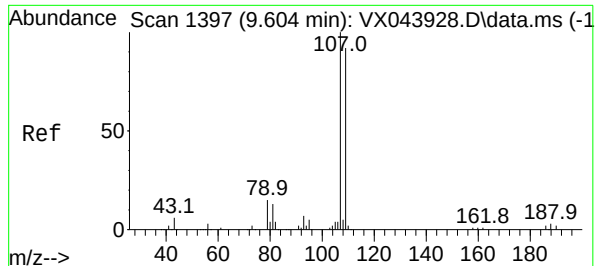
Tgt Ion:129 Resp: 82754

Ion Ratio Lower Upper

129 100

127 76.9 38.2 114.6





#61

1,2-Dibromomethane

Concen: 52.367 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:107 Resp: 83098

Ion Ratio Lower Upper

107 100

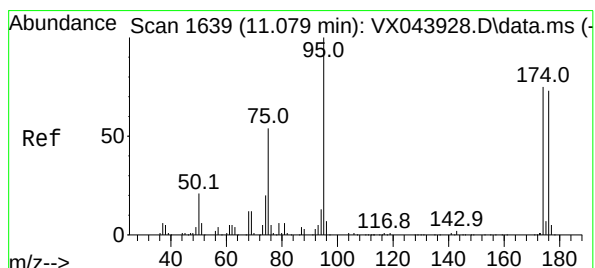
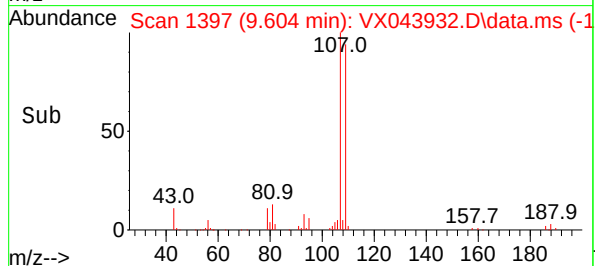
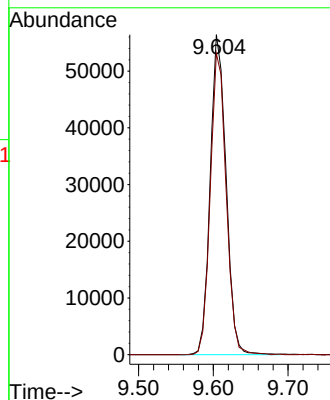
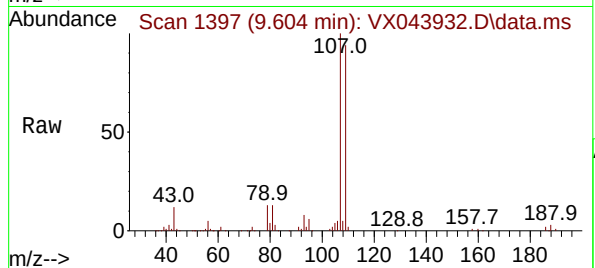
109 94.2 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 53.987 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

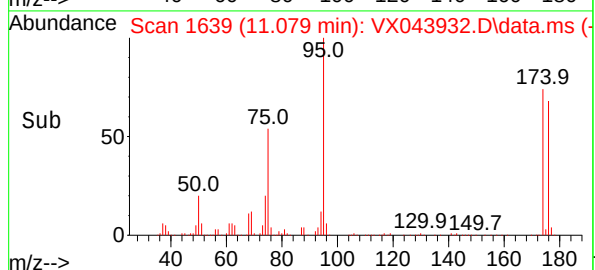
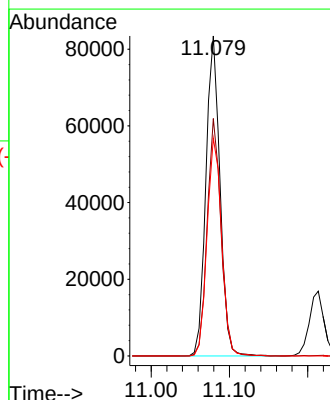
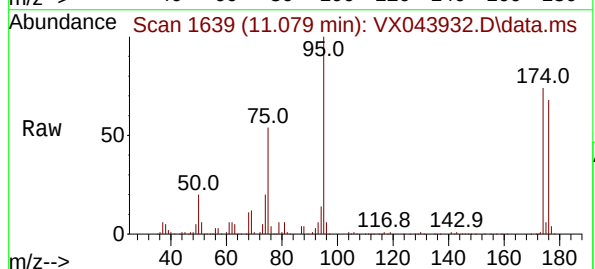
Tgt Ion: 95 Resp: 103640

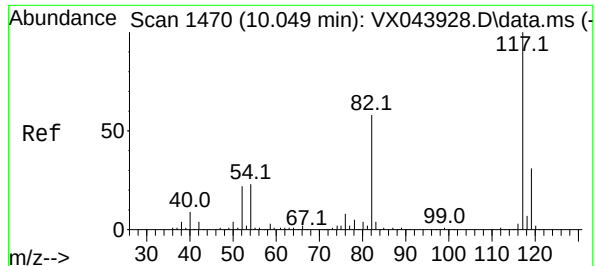
Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

176 70.5 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:117 Resp: 198770

Ion Ratio Lower Upper

117 100

82 55.6 46.4 69.6

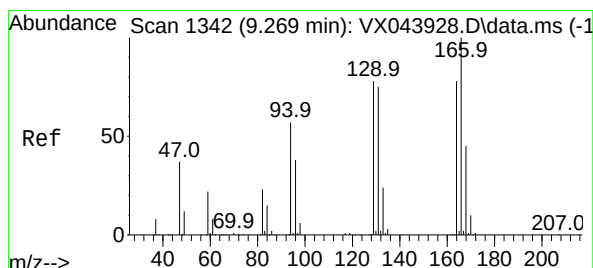
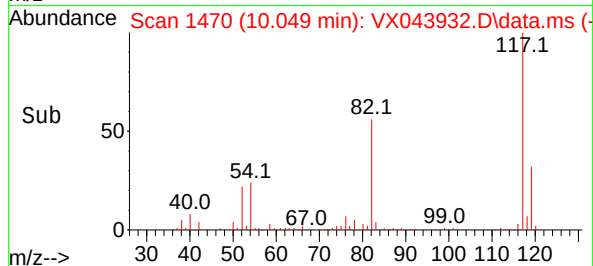
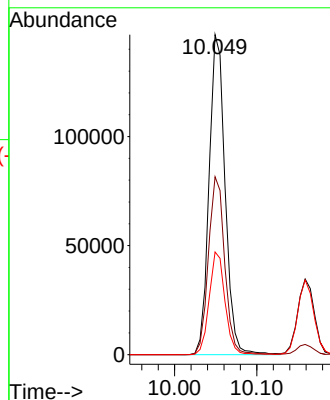
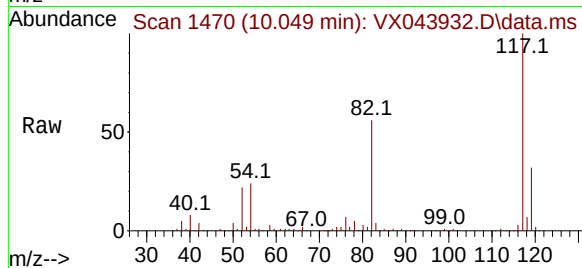
119 32.1 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 50.396 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

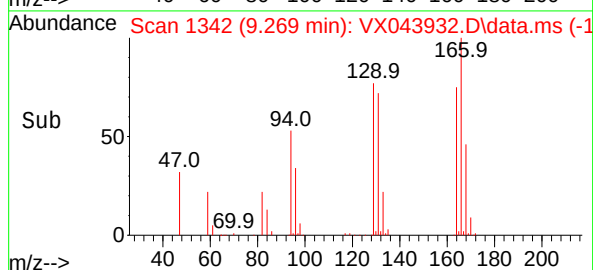
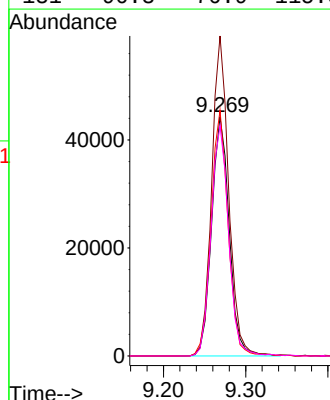
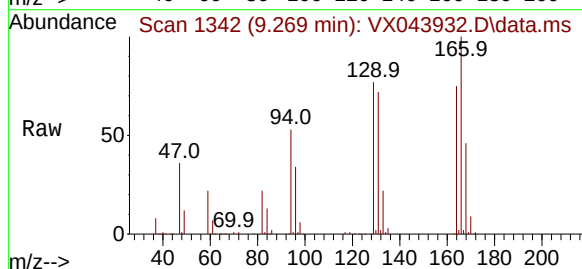
Ion Ratio Lower Upper

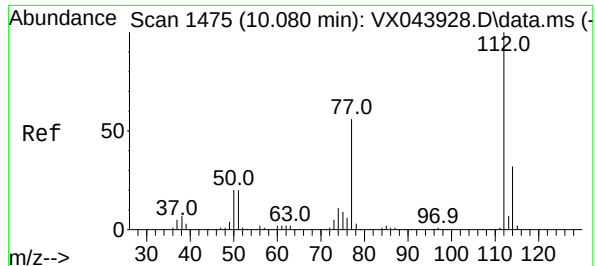
164 100

166 133.9 102.1 153.1

129 102.7 79.6 119.4

131 96.3 76.9 115.3





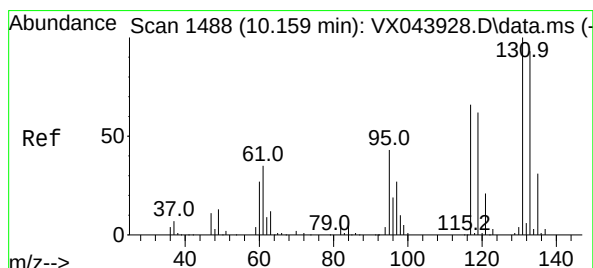
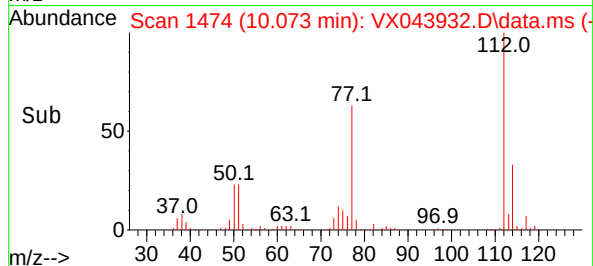
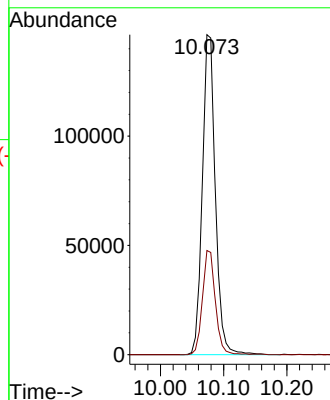
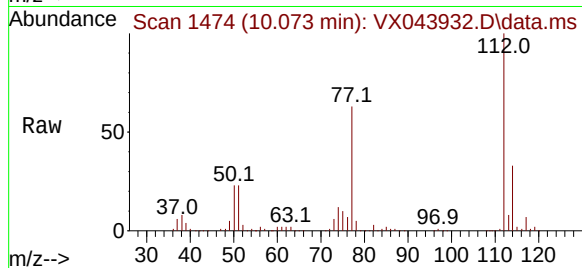
#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

Tgt Ion:112 Resp: 20996
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

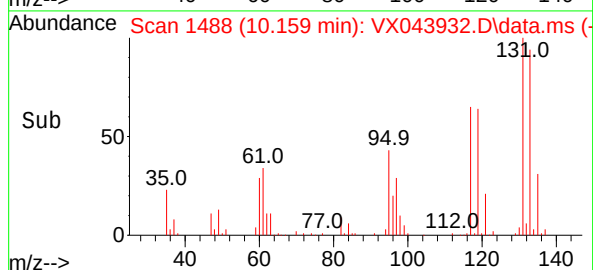
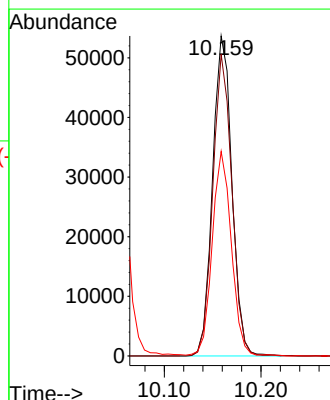
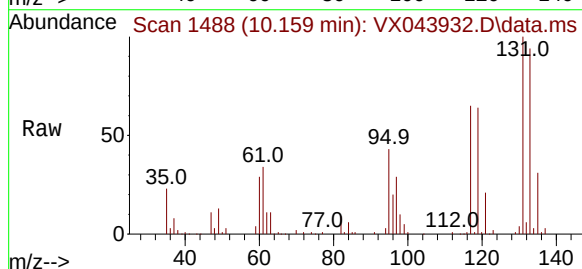
Manual Integrations
APPROVED

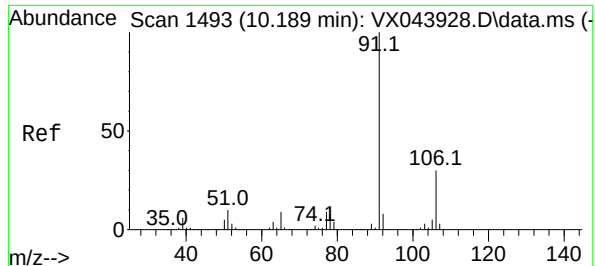
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354
Ion Ratio Lower Upper
131 100
133 92.9 48.2 144.6
119 63.5 31.5 94.5





#67

Ethyl Benzene

Concen: 50.991 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 91 Resp: 377215

Ion Ratio Lower Upper

91 100

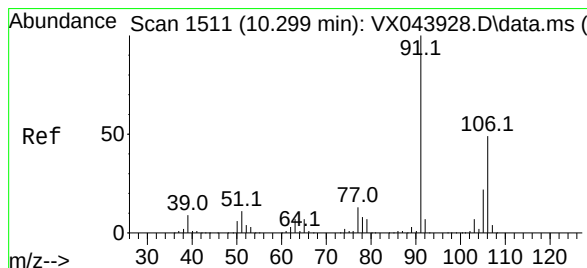
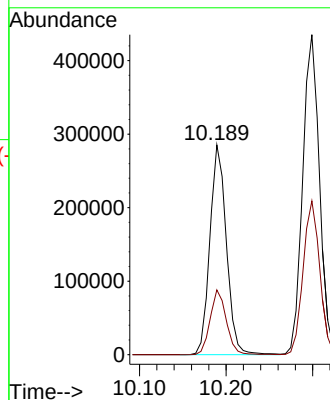
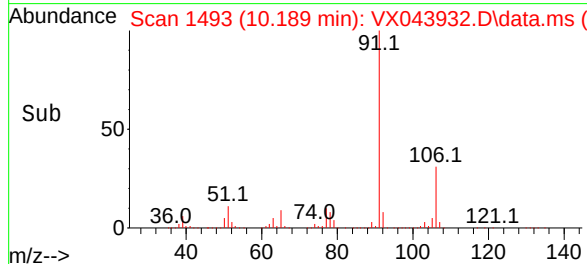
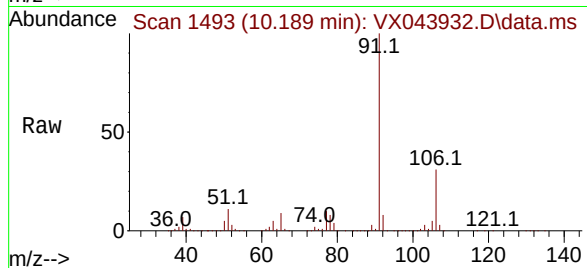
106 30.9 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 102.572 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043932.D

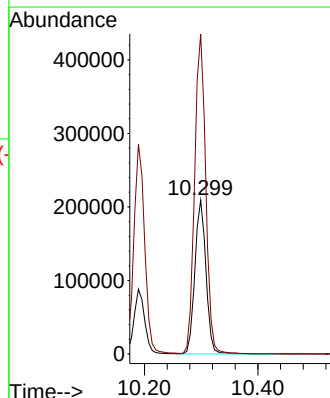
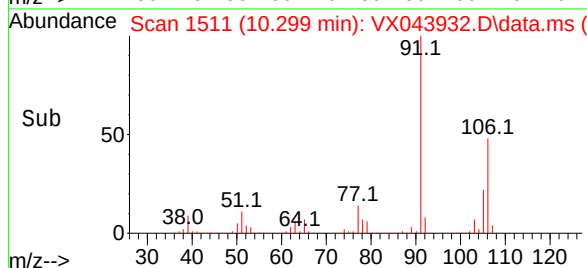
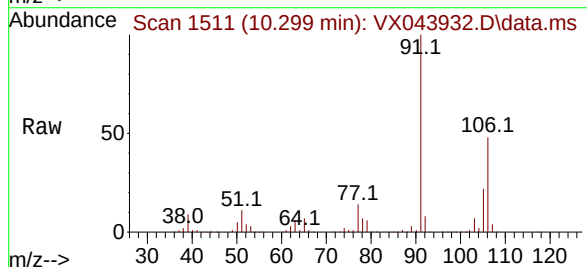
Acq: 21 Nov 2024 13:57

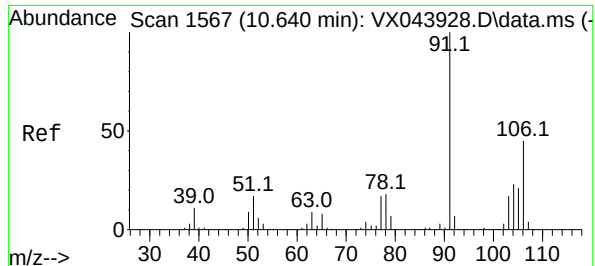
Tgt Ion:106 Resp: 282971

Ion Ratio Lower Upper

106 100

91 208.6 168.1 252.1





#69

o-Xylene

Concen: 51.396 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:106 Resp: 13843

Ion Ratio Lower Upper

106 100

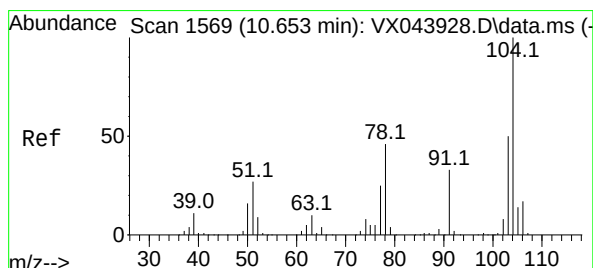
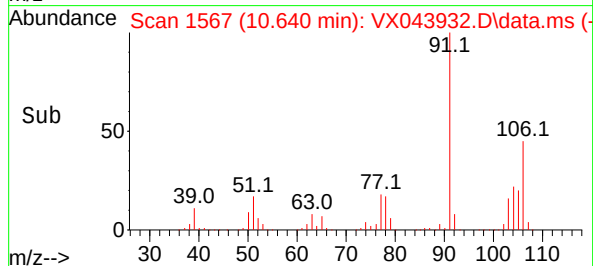
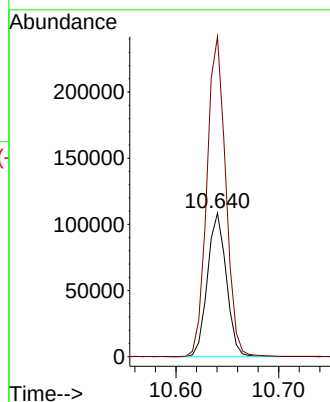
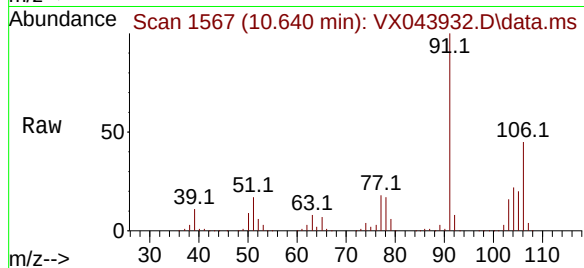
91 223.5 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 51.728 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

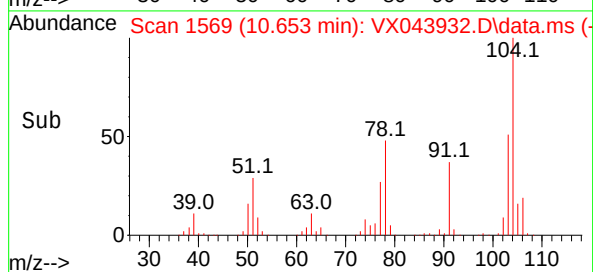
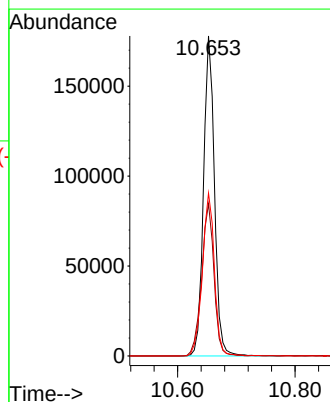
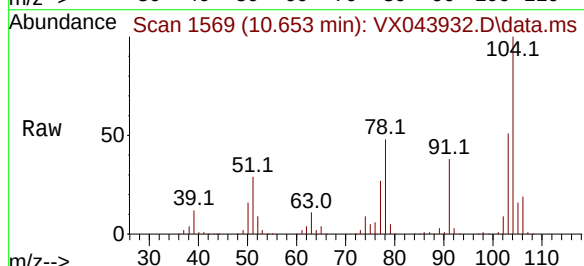
Tgt Ion:104 Resp: 230449

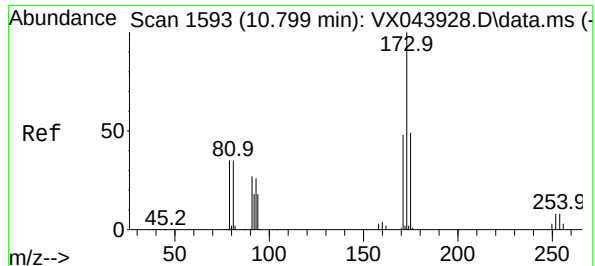
Ion Ratio Lower Upper

104 100

78 53.9 42.2 63.2

103 56.0 44.7 67.1





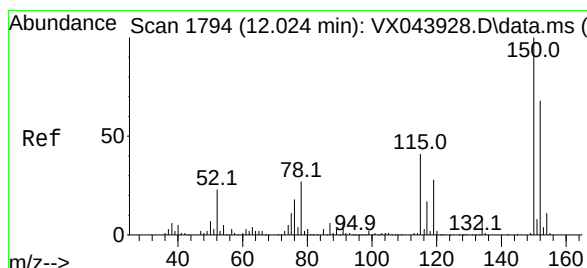
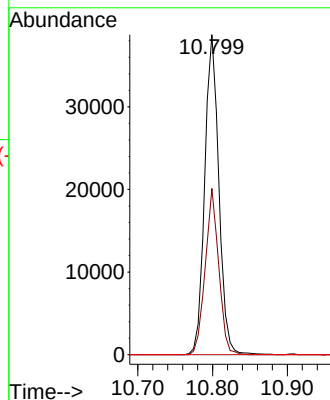
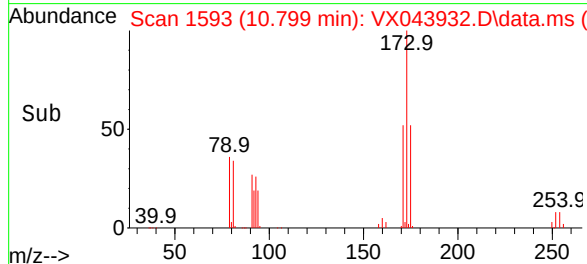
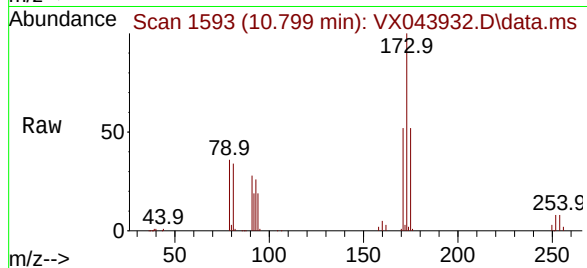
#71
Bromoform
Concen: 47.449 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

Tgt Ion:173 Resp: 5083
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.2
254 0.0 0.0 0.0

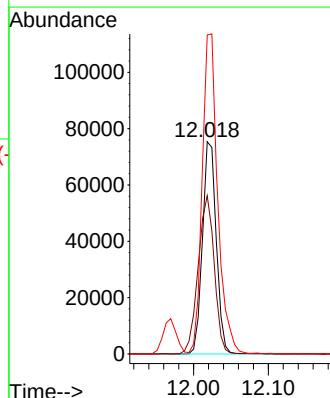
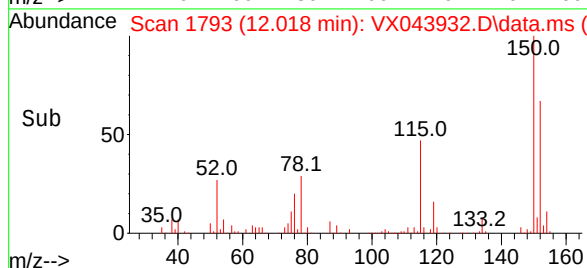
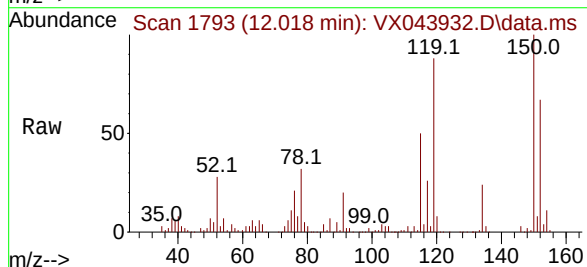
Manual Integrations
APPROVED

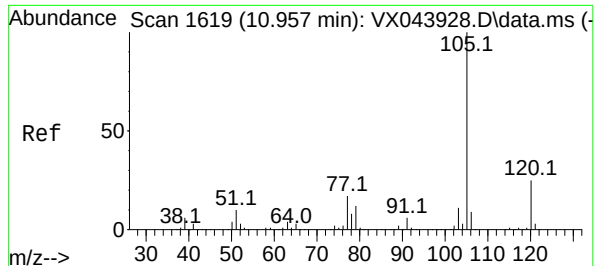
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489
Ion Ratio Lower Upper
152 100
115 87.3 45.4 136.2
150 169.5 0.0 353.0





#73

Isopropylbenzene

Concen: 49.222 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVWX112124

Tgt Ion:105 Resp: 365084

Ion Ratio Lower Upper

105 100

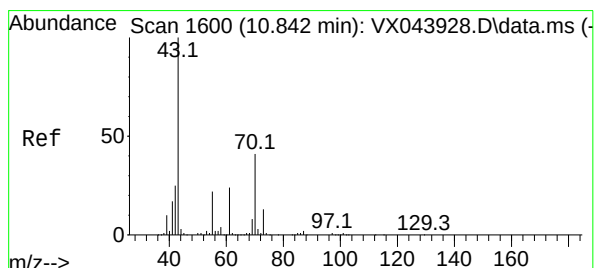
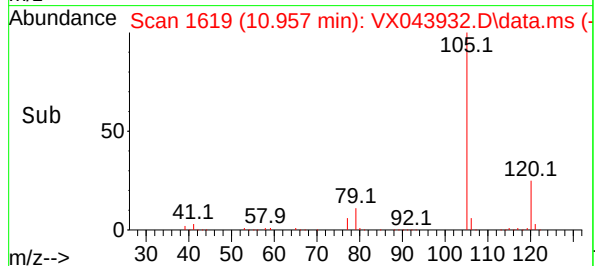
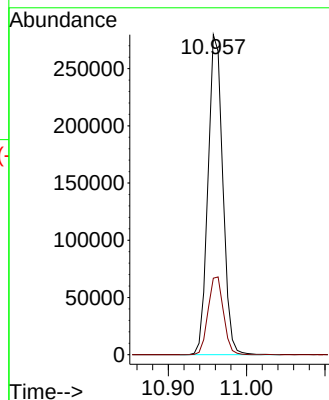
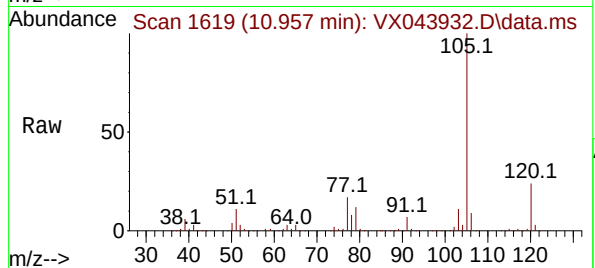
120 25.3 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 51.406 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

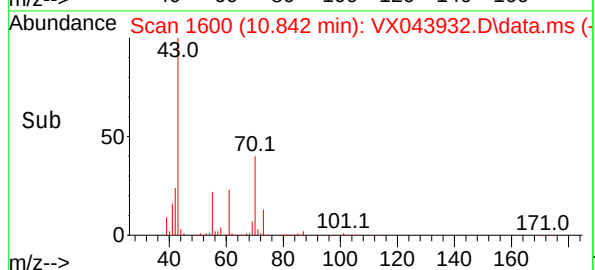
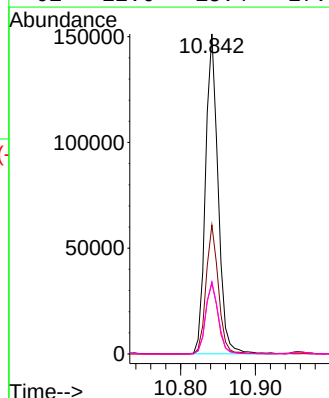
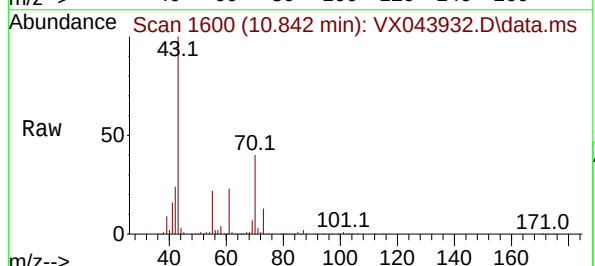
Ion Ratio Lower Upper

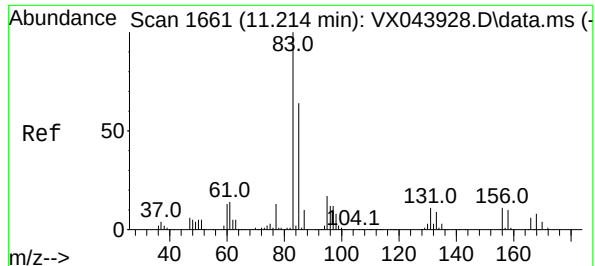
43 100

70 39.7 32.2 48.2

55 22.4 18.1 27.1

61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.356 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 83 Resp: 125340

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

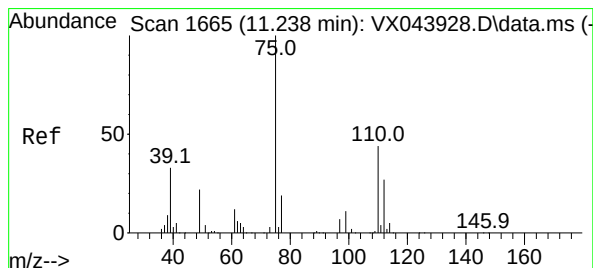
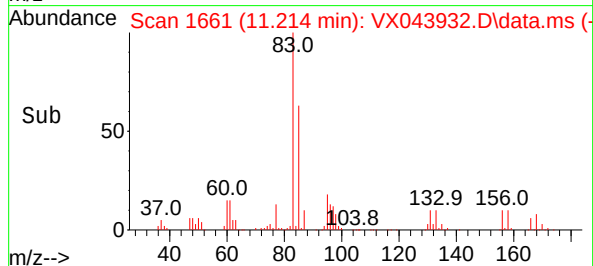
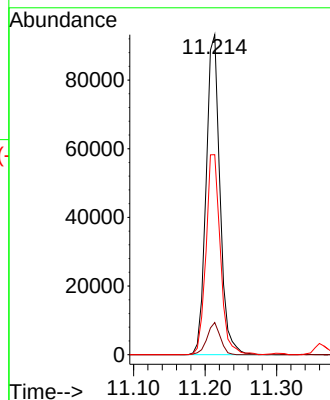
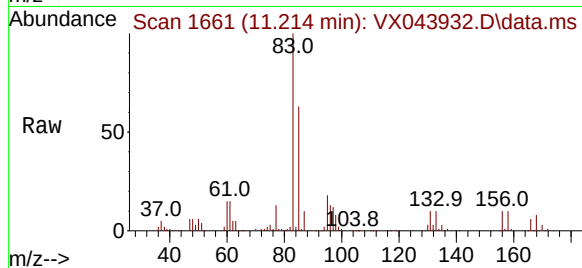
85 64.9 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 49.973 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043932.D

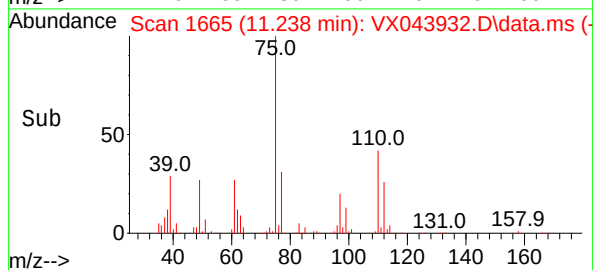
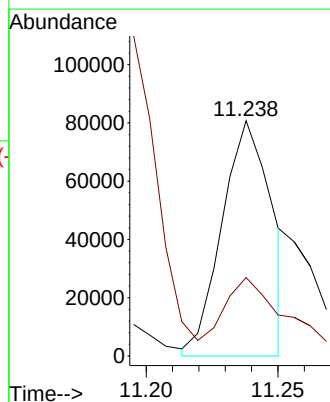
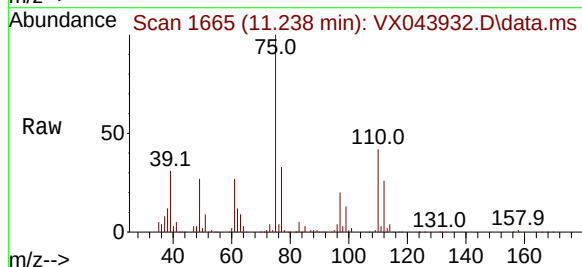
Acq: 21 Nov 2024 13:57

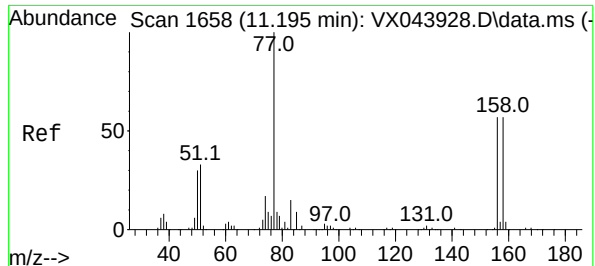
Tgt Ion: 75 Resp: 105742

Ion Ratio Lower Upper

75 100

77 42.7 21.8 65.3





#77

Bromobenzene

Concen: 48.081 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:156 Resp: 85070

Ion Ratio Lower Upper

156 100

77 165.4 83.4 250.1

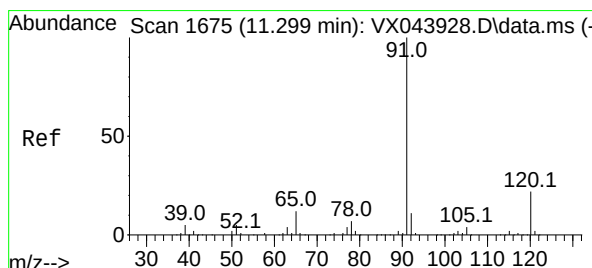
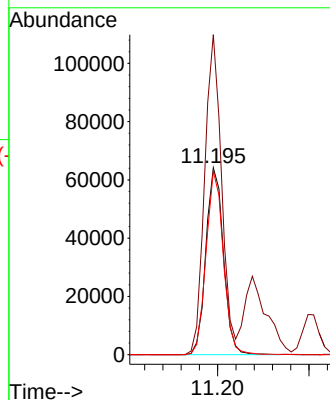
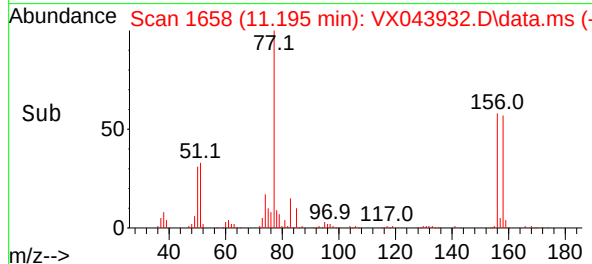
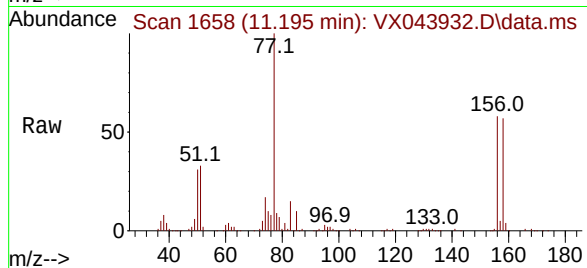
158 96.9 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 50.652 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043932.D

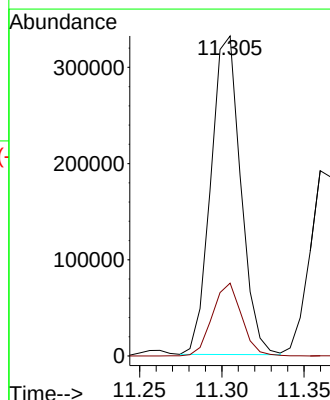
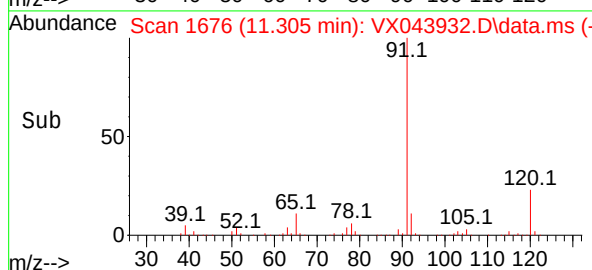
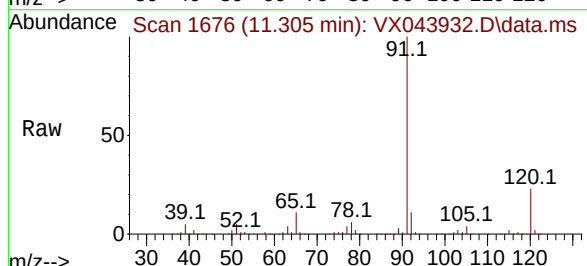
Acq: 21 Nov 2024 13:57

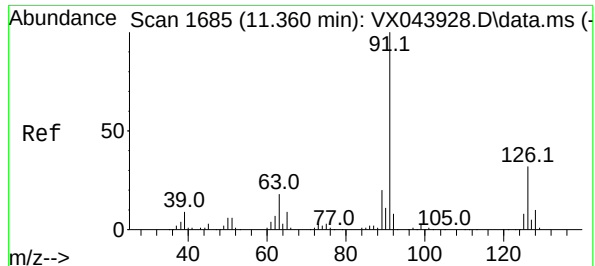
Tgt Ion: 91 Resp: 419586

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 47.551 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 91 Resp: 249079

Ion Ratio Lower Upper

91 100

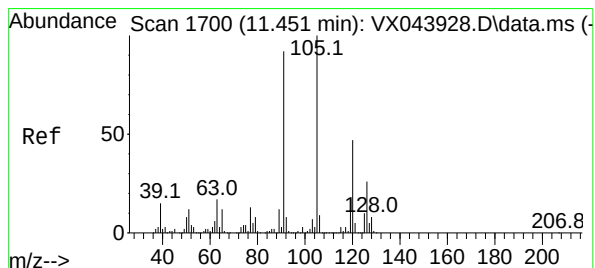
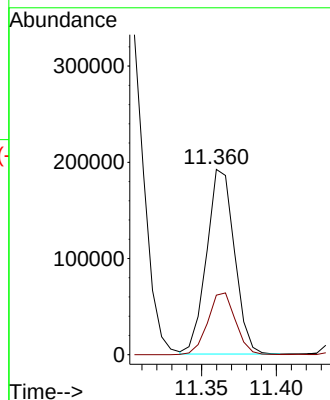
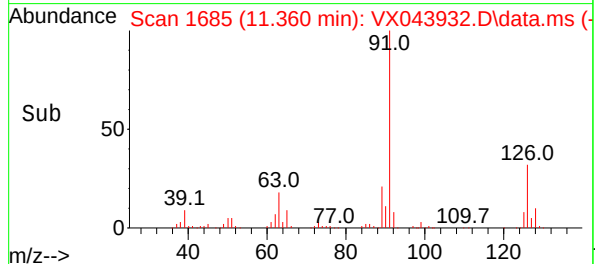
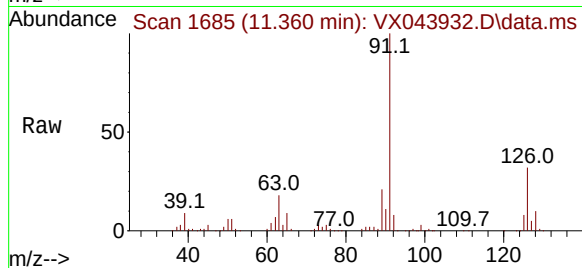
126 33.3 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 50.134 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043932.D

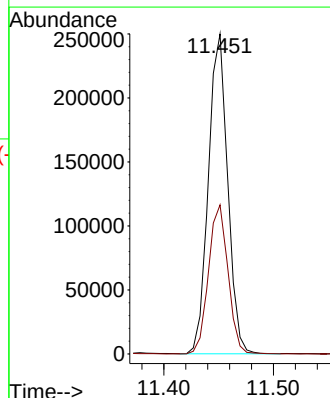
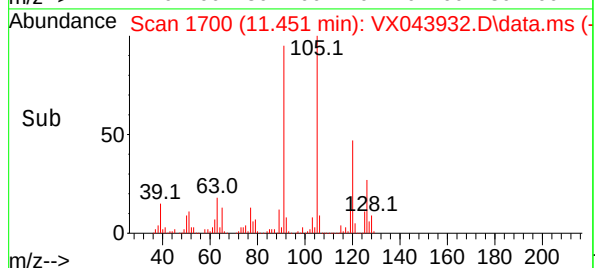
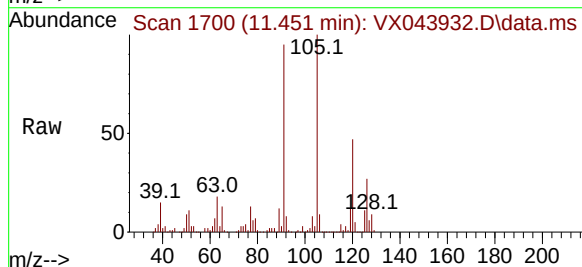
Acq: 21 Nov 2024 13:57

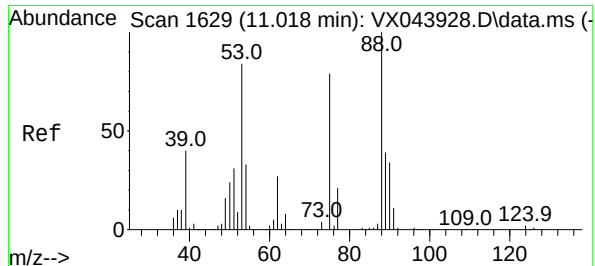
Tgt Ion:105 Resp: 305922

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.756 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 75 Resp: 3858

Ion Ratio Lower Upper

75 100

53 111.7 86.7 130.1

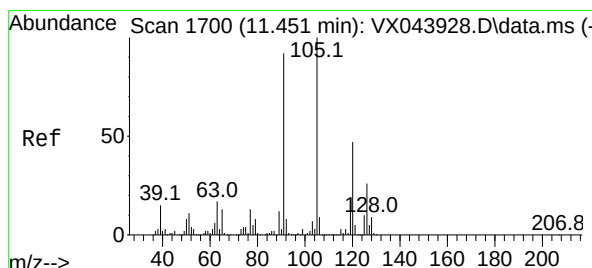
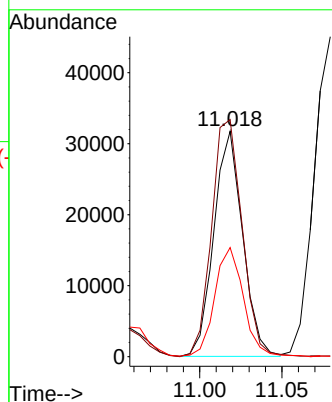
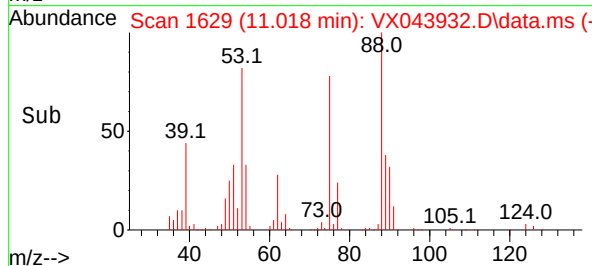
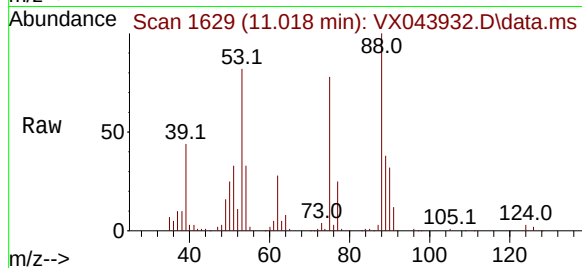
89 48.1 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 48.652 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043932.D

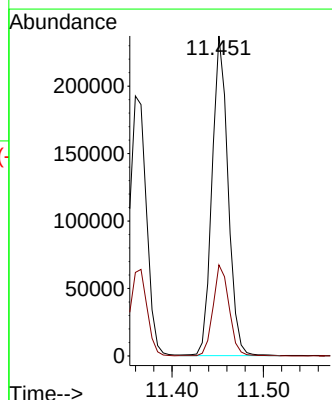
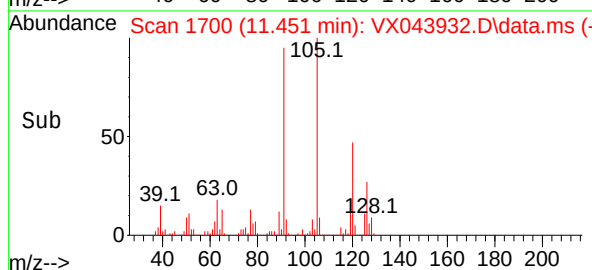
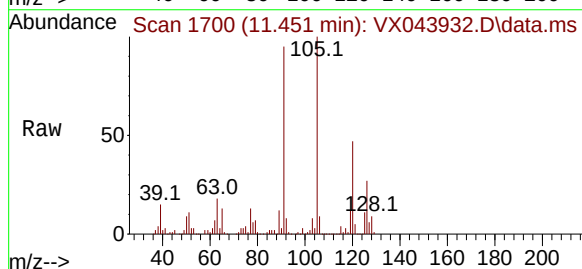
Acq: 21 Nov 2024 13:57

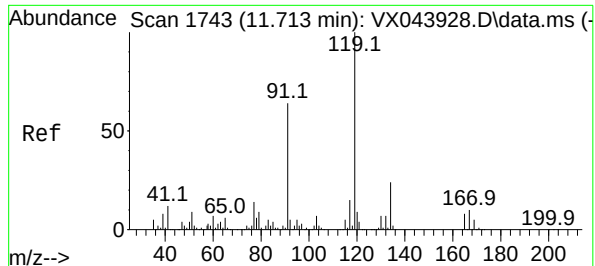
Tgt Ion: 91 Resp: 287717

Ion Ratio Lower Upper

91 100

126 28.6 14.3 42.9





#83

tert-Butylbenzene

Concen: 50.165 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:119 Resp: 303408

Ion Ratio Lower Upper

119 100

91 61.2 31.0 93.0

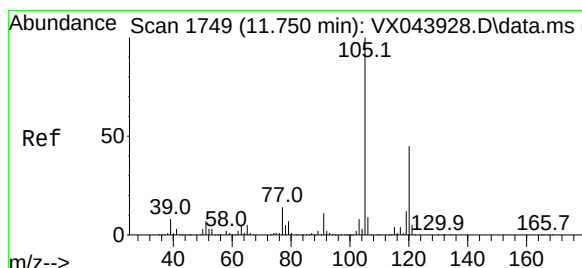
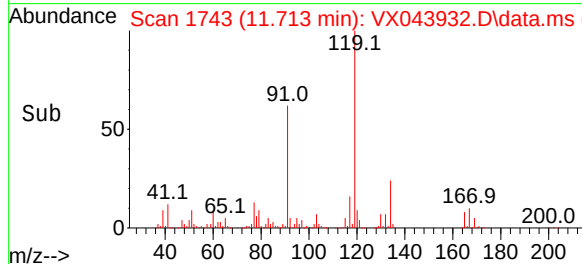
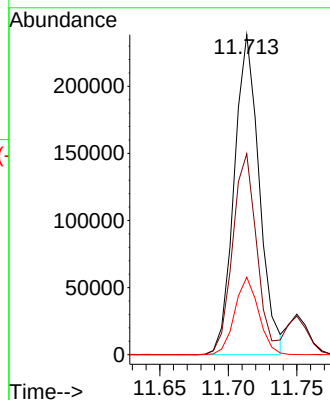
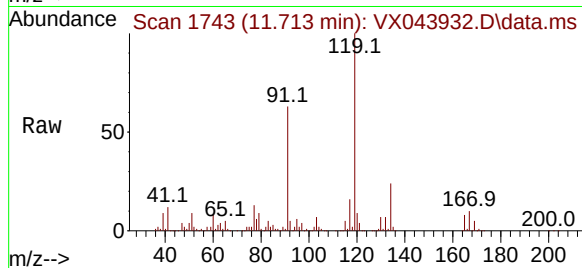
134 23.1 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 50.410 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043932.D

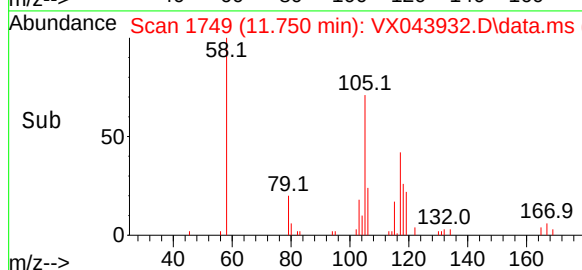
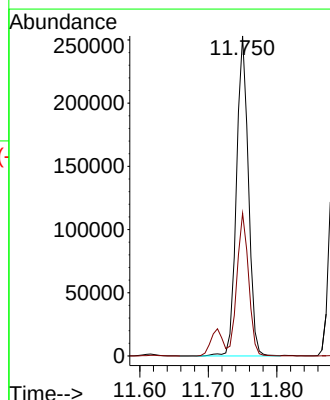
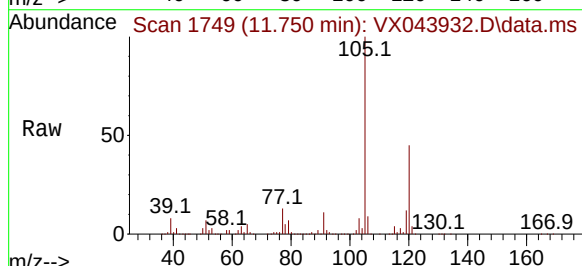
Acq: 21 Nov 2024 13:57

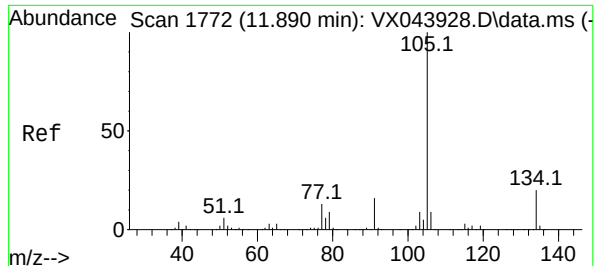
Tgt Ion:105 Resp: 306251

Ion Ratio Lower Upper

105 100

120 43.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 50.307 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:105 Resp: 372793

Ion Ratio Lower Upper

105 100

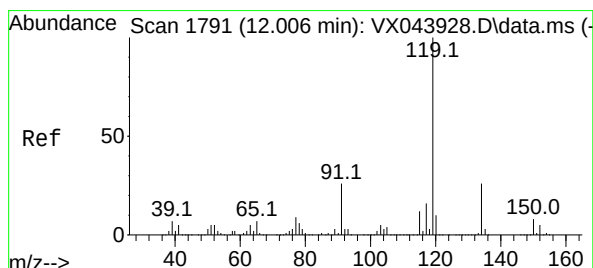
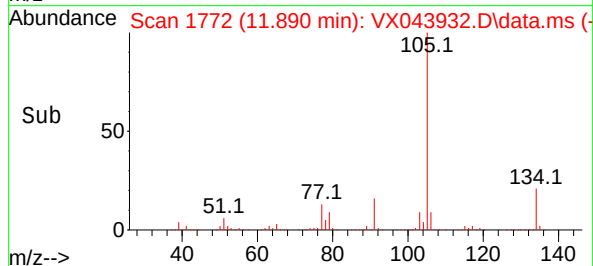
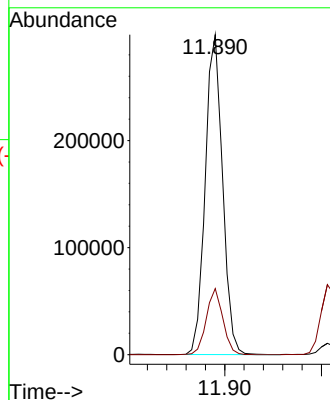
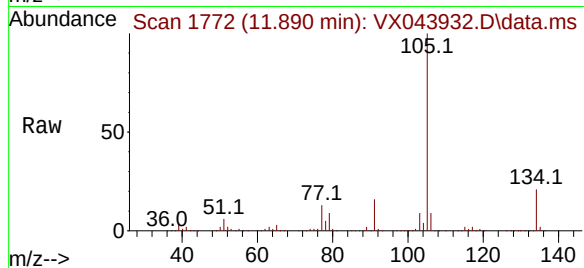
134 19.8 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 51.511 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

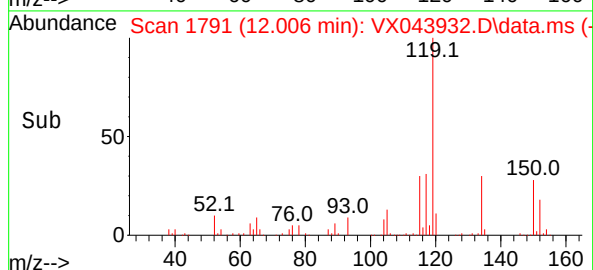
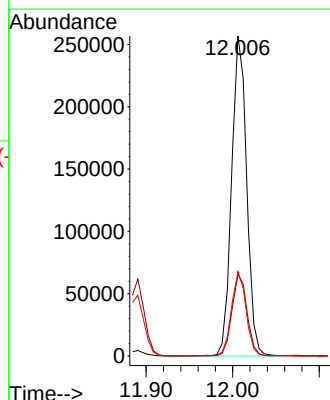
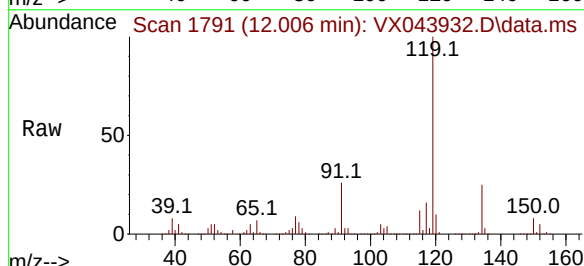
Tgt Ion:119 Resp: 310060

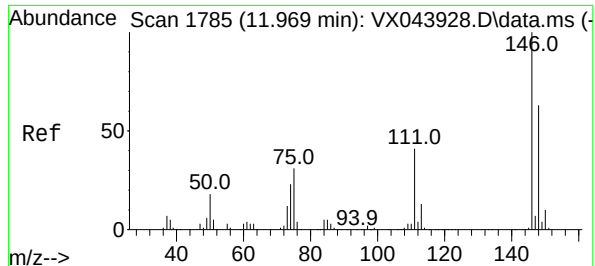
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.7 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.529 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:146 Resp: 153164

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.3

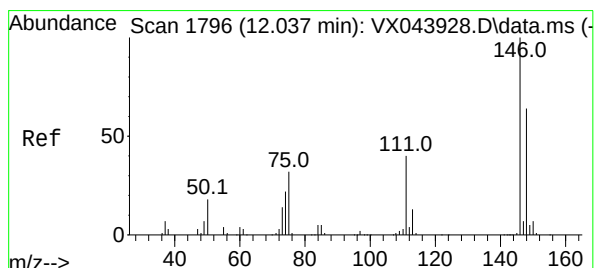
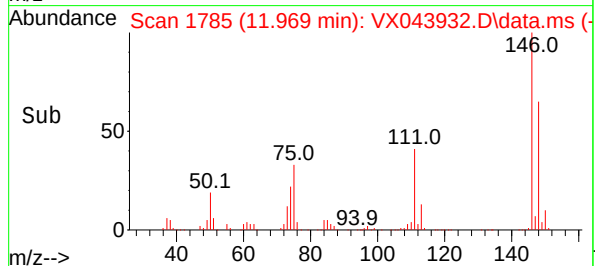
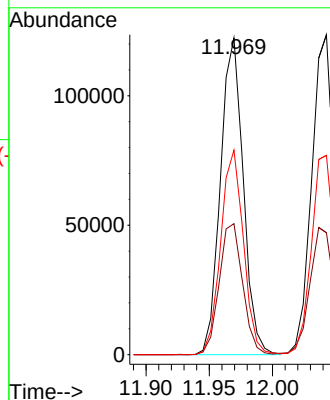
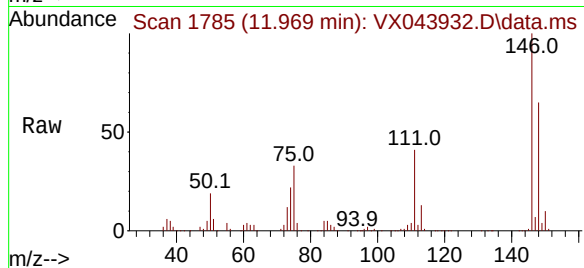
148 64.4 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 47.306 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

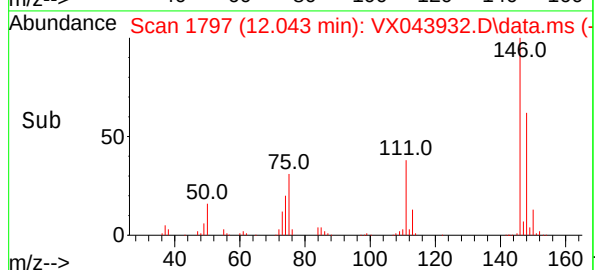
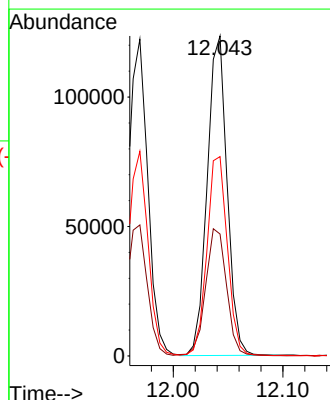
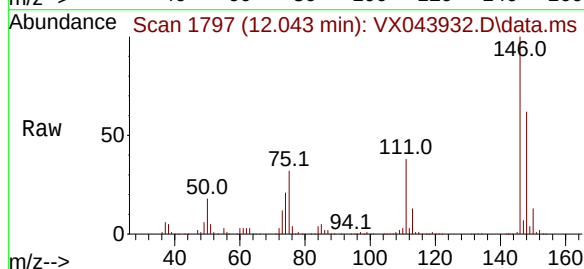
Tgt Ion:146 Resp: 155422

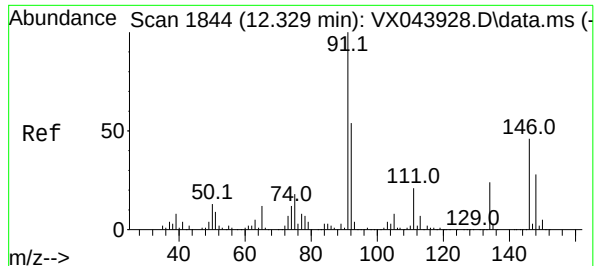
Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

148 64.7 30.9 92.8





#89

n-Butylbenzene

Concen: 52.020 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion: 91 Resp: 276079

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.8

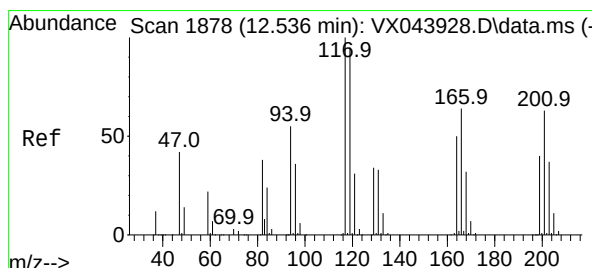
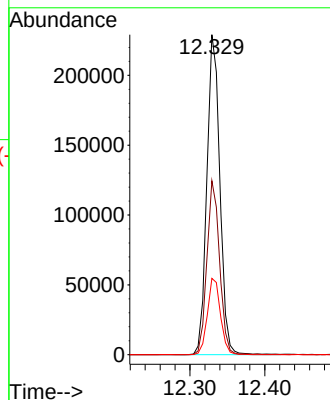
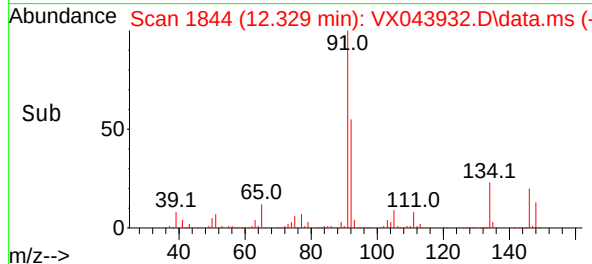
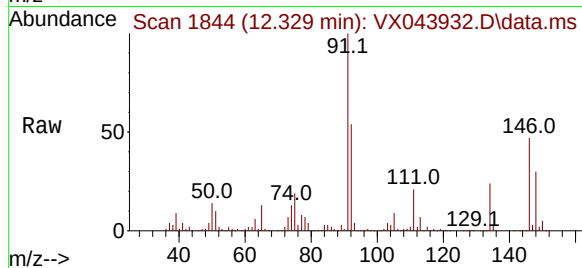
134 24.0 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 50.050 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043932.D

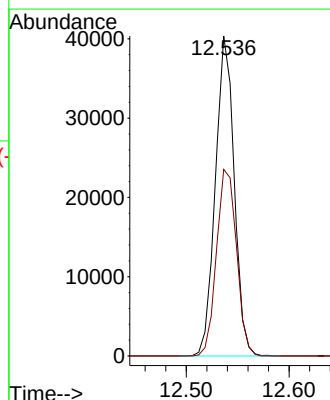
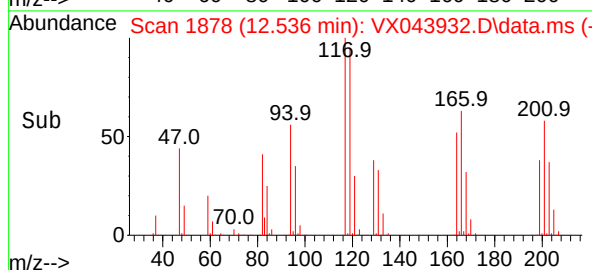
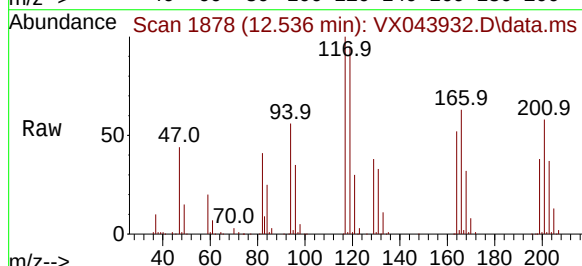
Acq: 21 Nov 2024 13:57

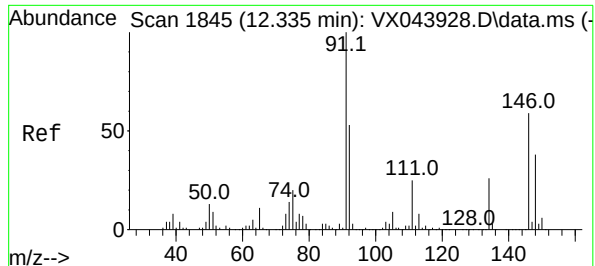
Tgt Ion:117 Resp: 51229

Ion Ratio Lower Upper

117 100

201 62.2 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 47.656 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

Tgt Ion:146 Resp: 154980

Ion Ratio Lower Upper

146 100

111 43.9 21.5 64.5

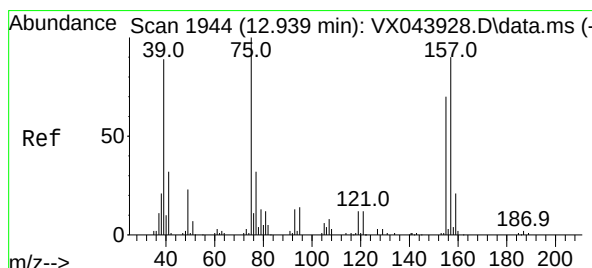
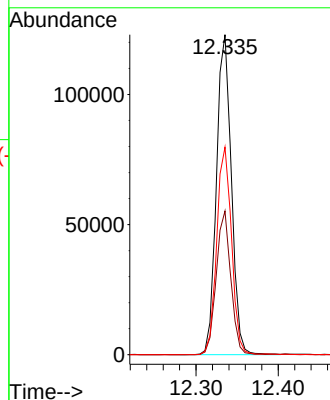
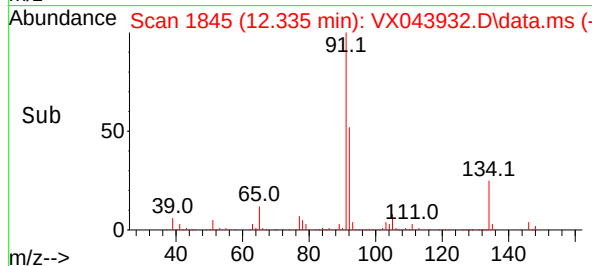
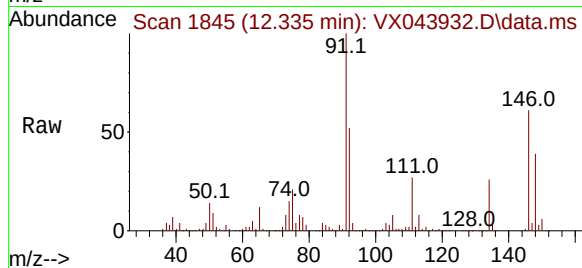
148 64.3 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.030 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

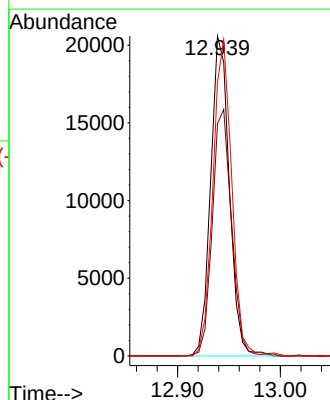
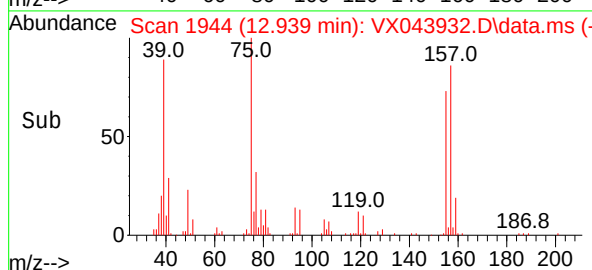
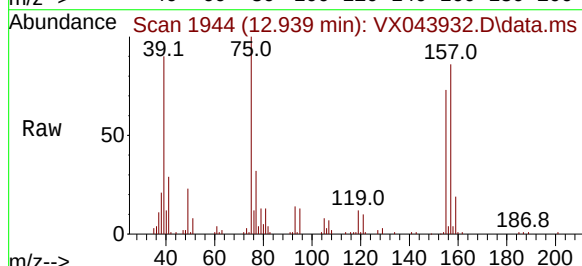
Tgt Ion: 75 Resp: 25968

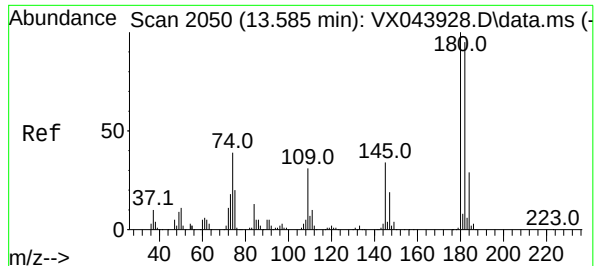
Ion Ratio Lower Upper

75 100

155 79.4 40.1 120.2

157 99.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 49.495 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

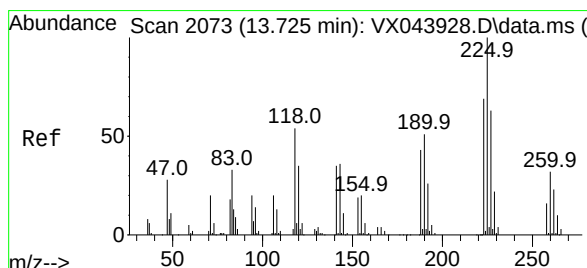
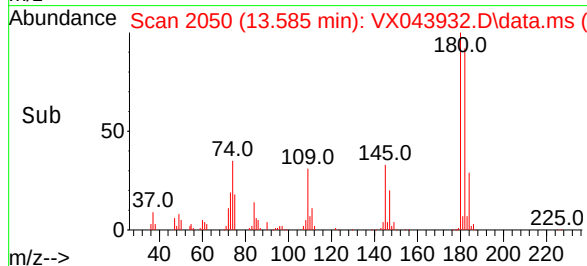
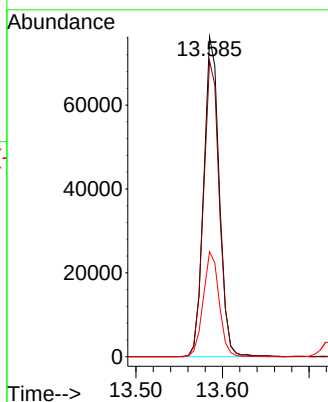
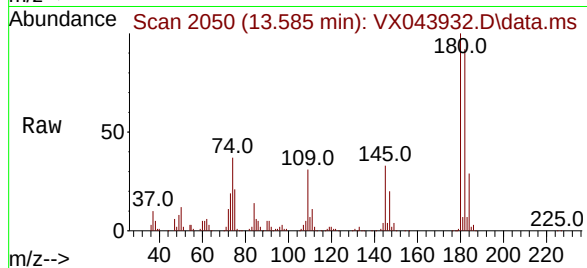
Tgt Ion:180	Resp:	94890
Ion Ratio	Lower	Upper
180	100	
182	94.6	48.0 144.2
145	33.6	16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 50.065 ug/l

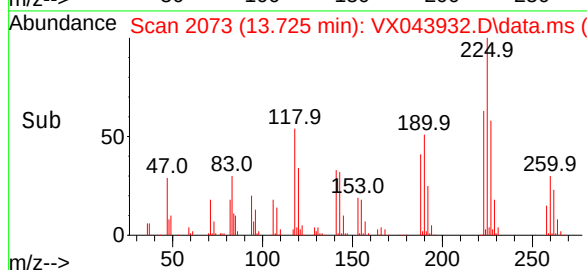
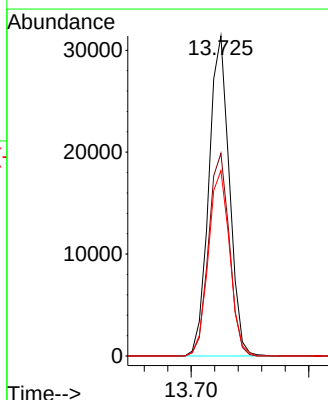
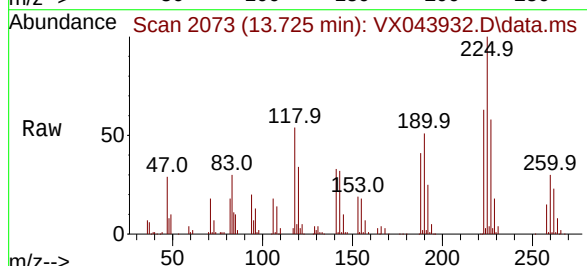
RT: 13.725 min Scan# 2073

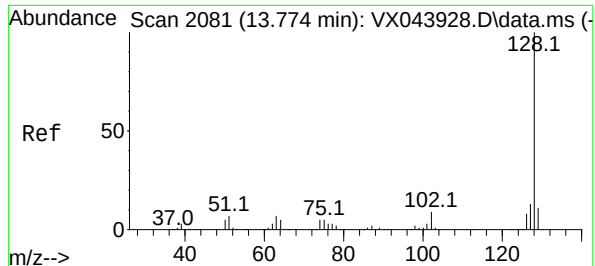
Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion:225	Resp:	37937
Ion Ratio	Lower	Upper
225	100	
223	64.1	32.9 98.6
227	60.3	31.6 94.8





#95

Naphthalene

Concen: 51.831 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043932.D

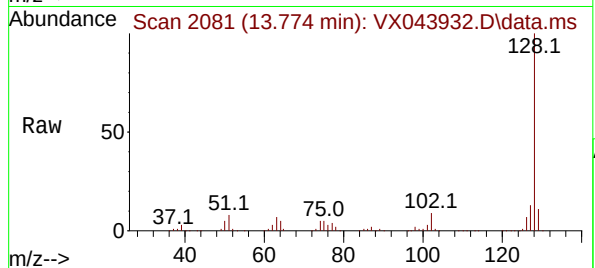
Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124



Tgt Ion:128 Resp: 357724

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

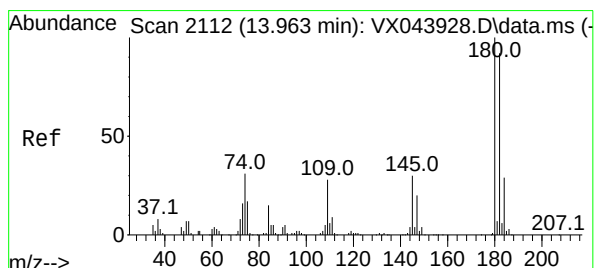
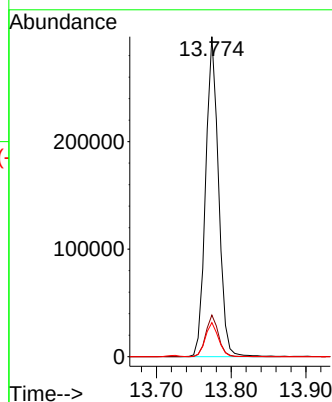
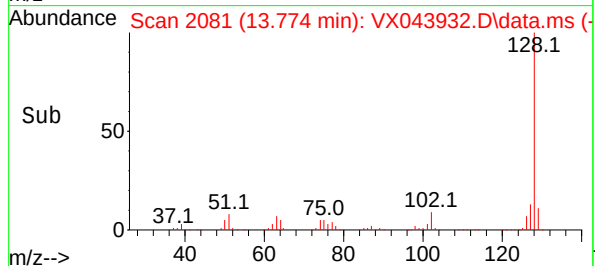
129 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 51.246 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

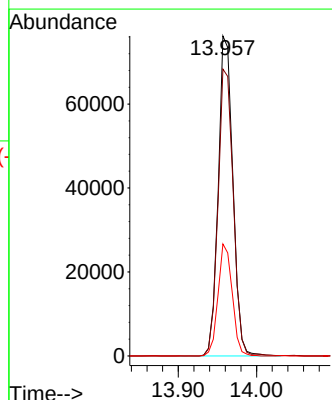
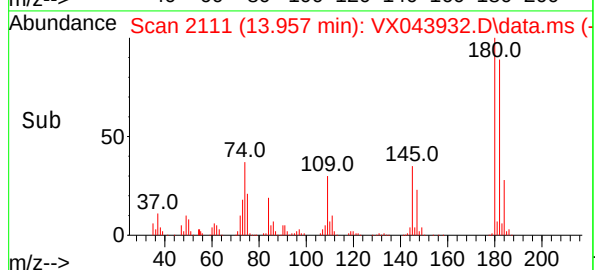
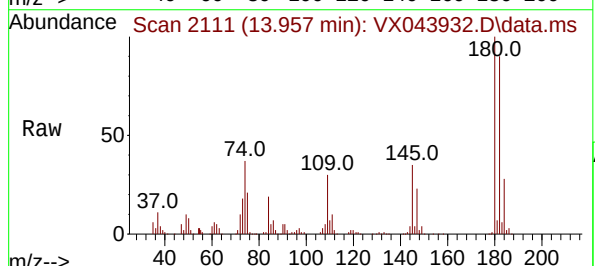
Tgt Ion:180 Resp: 99447

Ion Ratio Lower Upper

180 100

182 92.9 45.6 136.8

145 33.9 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	95	0.00
2 T	Dichlorodifluoromethane	0.633	0.640	-1.1	89	0.00
3 P	Chloromethane	0.667	0.655	1.8	89	0.00
4 C	Vinyl Chloride	0.709	0.711	-0.3#	88	0.00
5 T	Bromomethane	0.436	0.410	6.0	87	0.00
6 T	Chloroethane	0.432	0.354	18.1	73	0.00
7 T	Trichlorofluoromethane	1.268	1.354	-6.8	94	0.00
8 T	Diethyl Ether	0.462	0.437	5.4	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.614	-1.5	88	0.00
10 T	Methyl Iodide	0.755	0.734	2.8	86	0.00
11 T	Tert butyl alcohol	0.138	0.131	5.1	86	0.00
12 CM	1,1-Dichloroethene	0.576	0.555	3.6#	88	0.00
13 T	Acrolein	0.145	0.137	5.5	89	0.00
14 T	Allyl chloride	0.941	0.972	-3.3	88	0.00
15 T	Acrylonitrile	0.335	0.348	-3.9	89	0.00
16 T	Acetone	0.394	0.393	0.3	88	0.00
17 T	Carbon Disulfide	1.188	1.174	1.2	86	0.00
18 T	Methyl Acetate	0.917	0.929	-1.3	89	0.00
19 T	Methyl tert-butyl Ether	2.092	2.100	-0.4	88	0.00
20 T	Methylene Chloride	0.668	0.628	6.0	89	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.585	1.7	87	0.00
22 T	Diisopropyl ether	2.013	2.018	-0.2	88	0.00
23 T	Vinyl Acetate	1.722	1.815	-5.4	88	0.00
24 P	1,1-Dichloroethane	1.161	1.172	-0.9	88	0.00
25 T	2-Butanone	0.508	0.532	-4.7	89	0.00
26 T	2,2-Dichloropropane	1.049	1.098	-4.7	91	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.725	1.4	87	0.00
28 T	Bromochloromethane	0.511	0.480	6.1	101	0.00
29 T	Tetrahydrofuran	0.312	0.317	-1.6	89	0.00
30 C	Chloroform	1.249	1.246	0.2#	90	0.00
31 T	Cyclohexane	0.956	0.980	-2.5	89	0.00
32 T	1,1,1-Trichloroethane	1.077	1.106	-2.7	88	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.861	-0.3	108	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35 S	Dibromofluoromethane	0.357	0.375	-5.0	109	0.00
36 T	1,1-Dichloropropene	0.445	0.474	-6.5	91	0.00
37 T	Ethyl Acetate	0.553	0.582	-5.2	90	0.00
38 T	Carbon Tetrachloride	0.500	0.518	-3.6	88	0.00
39 T	Methylcyclohexane	0.578	0.619	-7.1	89	0.00
40 TM	Benzene	1.387	1.394	-0.5	88	0.00
41 T	Methacrylonitrile	0.283	0.305	-7.8	88	0.00
42 TM	1,2-Dichloroethane	0.557	0.562	-0.9	88	0.00
43 T	Isopropyl Acetate	0.880	0.905	-2.8	88	0.00
44 TM	Trichloroethene	0.393	0.350	10.9	89	0.00
45 C	1,2-Dichloropropane	0.340	0.325	4.4#	83	0.00
46 T	Dibromomethane	0.269	0.272	-1.1	88	0.00
47 T	Bromodichloromethane	0.482	0.507	-5.2	88	0.00
48 T	Methyl methacrylate	0.422	0.441	-4.5	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.007	12.5	79	0.00
50 S	Toluene-d8	1.232	1.262	-2.4	108	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.570	-6.1	89	0.00
52 CM	Toluene	0.830	0.855	-3.0#	88	0.00
53 T	t-1,3-Dichloropropene	0.491	0.522	-6.3	87	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.562	-4.3	87	0.00
55 T	1,1,2-Trichloroethane	0.343	0.343	0.0	88	0.00
56 T	Ethyl methacrylate	0.534	0.567	-6.2	88	0.00
57 T	1,3-Dichloropropane	0.577	0.588	-1.9	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.275	-0.7	85	0.00
59 T	2-Hexanone	0.403	0.441	-9.4	89	0.00
60 T	Dibromochloromethane	0.344	0.361	-4.9	87	0.00
61 T	1,2-Dibromoethane	0.346	0.363	-4.9	89	0.00
62 S	4-Bromofluorobenzene	0.419	0.453	-8.1	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.330	0.332	-0.6	89	0.00
65 PM	Chlorobenzene	1.098	1.056	3.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.374	-5.1	89	0.00
67 C	Ethyl Benzene	1.861	1.898	-2.0#	88	0.00
68 T	m/p-Xylenes	0.694	0.712	-2.6	87	0.00
69 T	o-Xylene	0.678	0.696	-2.7	86	0.00
70 T	Styrene	1.121	1.159	-3.4	86	0.00
71 P	Bromoform	0.240	0.256	-6.7	84	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73 T	Isopropylbenzene	3.843	3.784	1.5	89	0.00
74 T	N-amyl acetate	1.780	1.831	-2.9	88	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.299	1.3	90	0.00
76 T	1,2,3-Trichloropropane	1.096	1.096	0.0	89	0.00
77 T	Bromobenzene	0.917	0.882	3.8	87	0.00
78 T	n-propylbenzene	4.293	4.349	-1.3	88	0.00
79 T	2-Chlorotoluene	2.714	2.581	4.9	87	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.171	-0.3	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.400	0.5	87	0.00
82 T	4-Chlorotoluene	3.064	2.982	2.7	86	0.00
83 T	tert-Butylbenzene	3.134	3.144	-0.3	88	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.174	-0.8	89	0.00
85 T	sec-Butylbenzene	3.840	3.864	-0.6	87	0.00
86 T	p-Isopropyltoluene	3.119	3.213	-3.0	88	0.00
87 T	1,3-Dichlorobenzene	1.670	1.587	5.0	87	0.00
88 T	1,4-Dichlorobenzene	1.702	1.611	5.3	87	0.00
89 T	n-Butylbenzene	2.750	2.861	-4.0	86	0.00
90 T	Hexachloroethane	0.530	0.531	-0.2	87	0.00
91 T	1,2-Dichlorobenzene	1.685	1.606	4.7	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.269	-1.9	91	0.00
93 T	1,2,4-Trichlorobenzene	0.994	0.983	1.1	87	0.00
94 T	Hexachlorobutadiene	0.393	0.393	0.0	92	0.00
95 T	Naphthalene	3.576	3.707	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.031	-2.5	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	95	0.00
2 T	Dichlorodifluoromethane	50.000	50.537	-1.1	89	0.00
3 P	Chloromethane	50.000	49.100	1.8	89	0.00
4 C	Vinyl Chloride	50.000	50.118	-0.2#	88	0.00
5 T	Bromomethane	50.000	47.040	5.9	87	0.00
6 T	Chloroethane	50.000	40.921	18.2	73	0.00
7 T	Trichlorofluoromethane	50.000	53.407	-6.8	94	0.00
8 T	Diethyl Ether	50.000	47.345	5.3	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.762	-1.5	88	0.00
10 T	Methyl Iodide	50.000	48.614	2.8	86	0.00
11 T	Tert butyl alcohol	250.000	238.127	4.7	86	0.00
12 CM	1,1-Dichloroethene	50.000	48.192	3.6#	88	0.00
13 T	Acrolein	250.000	235.500	5.8	89	0.00
14 T	Allyl chloride	50.000	51.610	-3.2	88	0.00
15 T	Acrylonitrile	250.000	259.090	-3.6	89	0.00
16 T	Acetone	250.000	249.676	0.1	88	0.00
17 T	Carbon Disulfide	50.000	49.375	1.3	86	0.00
18 T	Methyl Acetate	50.000	50.643	-1.3	89	0.00
19 T	Methyl tert-butyl Ether	50.000	50.186	-0.4	88	0.00
20 T	Methylene Chloride	50.000	46.954	6.1	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.179	1.6	87	0.00
22 T	Diisopropyl ether	50.000	50.132	-0.3	88	0.00
23 T	Vinyl Acetate	250.000	263.441	-5.4	88	0.00
24 P	1,1-Dichloroethane	50.000	50.466	-0.9	88	0.00
25 T	2-Butanone	250.000	261.804	-4.7	89	0.00
26 T	2,2-Dichloropropane	50.000	52.343	-4.7	91	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.326	1.3	87	0.00
28 T	Bromochloromethane	50.000	46.920	6.2	101	0.00
29 T	Tetrahydrofuran	250.000	254.585	-1.8	89	0.00
30 C	Chloroform	50.000	49.891	0.2#	90	0.00
31 T	Cyclohexane	50.000	51.278	-2.6	89	0.00
32 T	1,1,1-Trichloroethane	50.000	51.320	-2.6	88	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.183	-0.4	108	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35 S	Dibromofluoromethane	50.000	52.442	-4.9	109	0.00
36 T	1,1-Dichloropropene	50.000	53.218	-6.4	91	0.00
37 T	Ethyl Acetate	50.000	52.656	-5.3	90	0.00
38 T	Carbon Tetrachloride	50.000	51.786	-3.6	88	0.00
39 T	Methylcyclohexane	50.000	53.489	-7.0	89	0.00
40 TM	Benzene	50.000	50.257	-0.5	88	0.00
41 T	Methacrylonitrile	50.000	53.851	-7.7	88	0.00
42 TM	1,2-Dichloroethane	50.000	50.421	-0.8	88	0.00
43 T	Isopropyl Acetate	50.000	51.469	-2.9	88	0.00
44 TM	Trichloroethene	50.000	44.554	10.9	89	0.00
45 C	1,2-Dichloropropane	50.000	47.811	4.4#	83	0.00
46 T	Dibromomethane	50.000	50.662	-1.3	88	0.00
47 T	Bromodichloromethane	50.000	52.648	-5.3	88	0.00
48 T	Methyl methacrylate	50.000	52.284	-4.6	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	905.506	9.4	79	0.00
50 S	Toluene-d8	50.000	51.234	-2.5	108	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.520	-6.2	89	0.00
52 CM	Toluene	50.000	51.507	-3.0#	88	0.00
53 T	t-1,3-Dichloropropene	50.000	53.077	-6.2	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.205	-4.4	87	0.00
55 T	1,1,2-Trichloroethane	50.000	50.069	-0.1	88	0.00
56 T	Ethyl methacrylate	50.000	53.118	-6.2	88	0.00
57 T	1,3-Dichloropropane	50.000	50.945	-1.9	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	235.230	5.9	85	0.00
59 T	2-Hexanone	250.000	273.011	-9.2	89	0.00
60 T	Dibromochloromethane	50.000	52.557	-5.1	87	0.00
61 T	1,2-Dibromoethane	50.000	52.367	-4.7	89	0.00
62 S	4-Bromofluorobenzene	50.000	53.987	-8.0	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	50.396	-0.8	89	0.00
65 PM	Chlorobenzene	50.000	48.094	3.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.515	-5.0	89	0.00
67 C	Ethyl Benzene	50.000	50.991	-2.0#	88	0.00
68 T	m/p-Xylenes	100.000	102.572	-2.6	87	0.00
69 T	o-Xylene	50.000	51.396	-2.8	86	0.00
70 T	Styrene	50.000	51.728	-3.5	86	0.00
71 P	Bromoform	50.000	47.449	5.1	84	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73 T	Isopropylbenzene	50.000	49.222	1.6	89	0.00
74 T	N-amyl acetate	50.000	51.406	-2.8	88	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.356	1.3	90	0.00
76 T	1,2,3-Trichloropropane	50.000	49.973	0.1	89	0.00
77 T	Bromobenzene	50.000	48.081	3.8	87	0.00
78 T	n-propylbenzene	50.000	50.652	-1.3	88	0.00
79 T	2-Chlorotoluene	50.000	47.551	4.9	87	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.756	0.5	87	0.00
82 T	4-Chlorotoluene	50.000	48.652	2.7	86	0.00
83 T	tert-Butylbenzene	50.000	50.165	-0.3	88	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.410	-0.8	89	0.00
85 T	sec-Butylbenzene	50.000	50.307	-0.6	87	0.00
86 T	p-Isopropyltoluene	50.000	51.511	-3.0	88	0.00
87 T	1,3-Dichlorobenzene	50.000	47.529	4.9	87	0.00
88 T	1,4-Dichlorobenzene	50.000	47.306	5.4	87	0.00
89 T	n-Butylbenzene	50.000	52.020	-4.0	86	0.00
90 T	Hexachloroethane	50.000	50.050	-0.1	87	0.00
91 T	1,2-Dichlorobenzene	50.000	47.656	4.7	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.030	-2.1	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.495	1.0	87	0.00
94 T	Hexachlorobutadiene	50.000	50.065	-0.1	92	0.00
95 T	Naphthalene	50.000	51.831	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	51.246	-2.5	89	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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 09:42

Lab File ID: VX044174.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.610		-3.63	20
Chloromethane	0.667	0.648	0.1	-2.85	20
Vinyl Chloride	0.709	0.724		2.12	20
Bromomethane	0.436	0.494		13.3	20
Chloroethane	0.432	0.500		15.74	20
Trichlorofluoromethane	1.268	1.627		28.31	20
1,1,2-Trichlorotrifluoroethane	0.605	0.671		10.91	20
1,1-Dichloroethene	0.576	0.615		6.77	20
Acetone	0.394	0.454		15.23	20
Carbon Disulfide	1.188	1.224		3.03	20
Methyl tert-butyl Ether	2.092	2.437		16.49	20
Methyl Acetate	0.917	0.987		7.63	20
Methylene Chloride	0.668	0.701		4.94	20
trans-1,2-Dichloroethene	0.595	0.641		7.73	20
1,1-Dichloroethane	1.161	1.300	0.1	11.97	20
Cyclohexane	0.956	1.016		6.28	20
2-Butanone	0.508	0.578		13.78	20
Carbon Tetrachloride	0.500	0.592		18.4	20
cis-1,2-Dichloroethene	0.735	0.807		9.8	20
Bromochloromethane	0.511	0.481		-5.87	20
Chloroform	1.249	1.399		12.01	20
1,1,1-Trichloroethane	1.077	1.285		19.31	20
Methylcyclohexane	0.578	0.649		12.28	20
Benzene	1.387	1.514		9.16	20
1,2-Dichloroethane	0.557	0.636		14.18	20
Trichloroethene	0.393	0.381		-3.05	20
1,2-Dichloropropane	0.340	0.389		14.41	20
Bromodichloromethane	0.482	0.601		24.69	20
4-Methyl-2-Pentanone	0.537	0.626		16.57	20
Toluene	0.830	0.946		13.98	20
t-1,3-Dichloropropene	0.491	0.595		21.18	20
cis-1,3-Dichloropropene	0.539	0.643		19.3	20
1,1,2-Trichloroethane	0.343	0.391		13.99	20
2-Hexanone	0.403	0.478		18.61	20
Dibromochloromethane	0.344	0.434		26.16	20
1,2-Dibromoethane	0.346	0.408		17.92	20
Tetrachloroethene	0.330	0.372		12.73	20
Chlorobenzene	1.098	1.208	0.3	10.02	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164
 Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 09:42
 Lab File ID: VX044174.D Init. Calib. Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	2.172		16.71	20
m/p-Xylenes	0.694	0.800		15.27	20
o-Xylene	0.678	0.805		18.73	20
Styrene	1.121	1.342		19.72	20
Bromoform	0.240	0.311	0.1	29.58	20
Isopropylbenzene	3.843	4.238		10.28	20
1,1,2,2-Tetrachloroethane	1.316	1.394	0.3	5.93	20
1,3-Dichlorobenzene	1.670	1.830		9.58	20
1,4-Dichlorobenzene	1.702	1.840		8.11	20
1,2-Dichlorobenzene	1.685	1.854		10.03	20
1,2-Dibromo-3-Chloropropane	0.264	0.314		18.94	20
1,2,4-Trichlorobenzene	0.994	1.113		11.87	20
1,2,3-Trichlorobenzene	1.006	1.129		12.23	20
1,2-Dichloroethane-d4	0.858	0.874		1.87	20
Dibromofluoromethane	0.357	0.368		3.08	20
Toluene-d8	1.232	1.205		-2.19	20
4-Bromofluorobenzene	0.419	0.452		7.88	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\VX120924\
 Data File : VX044174.D
 Acq On : 09 Dec 2024 09:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	128814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	227273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97559	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112526	50.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.860%
35) Dibromofluoromethane	5.379	113	83604	51.481	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.960%
50) Toluene-d8	8.647	98	273781	48.907	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.820%
62) 4-Bromofluorobenzene	11.079	95	102733	53.924	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78580	48.153	ug/l	97
3) Chloromethane	1.294	50	83460	48.602	ug/l	96
4) Vinyl Chloride	1.374	62	93235	51.045	ug/l	99
5) Bromomethane	1.593	94	63602	56.604	ug/l	92
6) Chloroethane	1.666	64	64433	57.893	ug/l	99
7) Trichlorofluoromethane	1.867	101	209538	64.166	ug/l	96
8) Diethyl Ether	2.130	74	64292	54.017	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	86497	55.529	ug/l	98
10) Methyl Iodide	2.441	142	107473	55.244	ug/l	97
11) Tert butyl alcohol	2.995	59	88996	250.958	ug/l	97
12) 1,1-Dichloroethene	2.306	96	79228	53.377	ug/l	95
13) Acrolein	2.233	56	68156	182.338	ug/l	97
14) Allyl chloride	2.654	41	135908	56.036	ug/l	96
15) Acrylonitrile	3.062	53	235606	272.630	ug/l	100
16) Acetone	2.386	43	292184	287.937	ug/l	99
17) Carbon Disulfide	2.502	76	157658	51.493	ug/l	99
18) Methyl Acetate	2.703	43	127089	53.780	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	313920	58.247	ug/l	99
20) Methylene Chloride	2.782	84	90343	52.463	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	82587	53.892	ug/l	95
22) Diisopropyl ether	3.757	45	296776	57.225	ug/l	99
23) Vinyl Acetate	3.715	43	1293362	291.530	ug/l	99
24) 1,1-Dichloroethane	3.599	63	167492	55.983	ug/l	99
25) 2-Butanone	4.556	43	372003	284.114	ug/l	99
26) 2,2-Dichloropropane	4.465	77	154976	57.356	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	103955	54.879	ug/l	98
28) Bromochloromethane	4.891	49	61976	47.061	ug/l	97
29) Tetrahydrofuran	5.001	42	213725	266.254	ug/l	99
30) Chloroform	5.080	83	180181	55.994	ug/l	97
31) Cyclohexane	5.458	56	130877	53.150	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	165489	59.637	ug/l	99
36) 1,1-Dichloropropene	5.684	75	113848	56.258	ug/l	98
37) Ethyl Acetate	4.708	43	141102	56.170	ug/l	97
38) Carbon Tetrachloride	5.666	117	134573	59.182	ug/l	99
39) Methylcyclohexane	7.373	83	147558	56.127	ug/l	96
40) Benzene	6.025	78	344158	54.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044174.D
 Acq On : 09 Dec 2024 09:42
 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 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:35:23 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M

Quant Title : SW846 8260

QLast Update : Fri Nov 22 03:45:52 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	71068	55.276	ug/l	93
42) 1,2-Dichloroethane	6.074	62	144654	57.138	ug/l	100
43) Isopropyl Acetate	6.336	43	229745	57.468	ug/l	99
44) Trichloroethene	7.117	130	86553	48.503	ug/l	91
45) 1,2-Dichloropropane	7.421	63	88451	57.290	ug/l	96
46) Dibromomethane	7.574	93	70569	57.782	ug/l	99
47) Bromodichloromethane	7.818	83	136522	62.329	ug/l	100
48) Methyl methacrylate	7.690	41	108338	56.476	ug/l	99
49) 1,4-Dioxane	7.659	88	25573	748.393	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	711641	291.699	ug/l	99
52) Toluene	8.714	92	215112	57.015	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	135167	60.514	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	146180	59.699	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	88864	57.058	ug/l	98
56) Ethyl methacrylate	9.116	69	146127	60.237	ug/l	98
57) 1,3-Dichloropropane	9.305	76	153530	58.519	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	362299	272.768	ug/l	100
59) 2-Hexanone	9.427	43	543380	296.330	ug/l	99
60) Dibromochloromethane	9.519	129	98737	63.187	ug/l	97
61) 1,2-Dibromoethane	9.604	107	92681	58.852	ug/l	99
64) Tetrachloroethene	9.269	164	73287	56.432	ug/l	97
65) Chlorobenzene	10.073	112	237896	54.997	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	85186	60.723	ug/l	98
67) Ethyl Benzene	10.189	91	427705	58.352	ug/l	98
68) m/p-Xylenes	10.299	106	315039	115.254	ug/l	97
69) o-Xylene	10.640	106	158561	59.412	ug/l	98
70) Styrene	10.652	104	264223	59.859	ug/l	98
71) Bromoform	10.799	173	61264	56.868	ug/l #	97
73) Isopropylbenzene	10.957	105	413444	55.131	ug/l	100
74) N-ethyl acetate	10.841	43	196483	56.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	136043	52.980	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	117911m	55.113	ug/l	
77) Bromobenzene	11.195	156	97626	54.572	ug/l	98
78) n-propylbenzene	11.299	91	481969	57.544	ug/l	98
79) 2-Chlorotoluene	11.360	91	288045	54.387	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	345791	56.047	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	42472	54.171	ug/l	95
82) 4-Chlorotoluene	11.451	91	333051	55.701	ug/l	100
83) tert-Butylbenzene	11.713	119	353753	57.848	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	351113	57.161	ug/l	99
85) sec-Butylbenzene	11.890	105	431266	57.559	ug/l	100
86) p-Isopropyltoluene	12.006	119	364608	59.908	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	178533	54.794	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	179485	54.031	ug/l	97
89) n-Butylbenzene	12.329	91	328165	61.157	ug/l	99
90) Hexachloroethane	12.536	117	60642	58.597	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	180867	55.006	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30602	59.476	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	108534	55.987	ug/l	100
94) Hexachlorobutadiene	13.719	225	43419	56.671	ug/l	98
95) Naphthalene	13.774	128	405265	58.075	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	110149	56.138	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

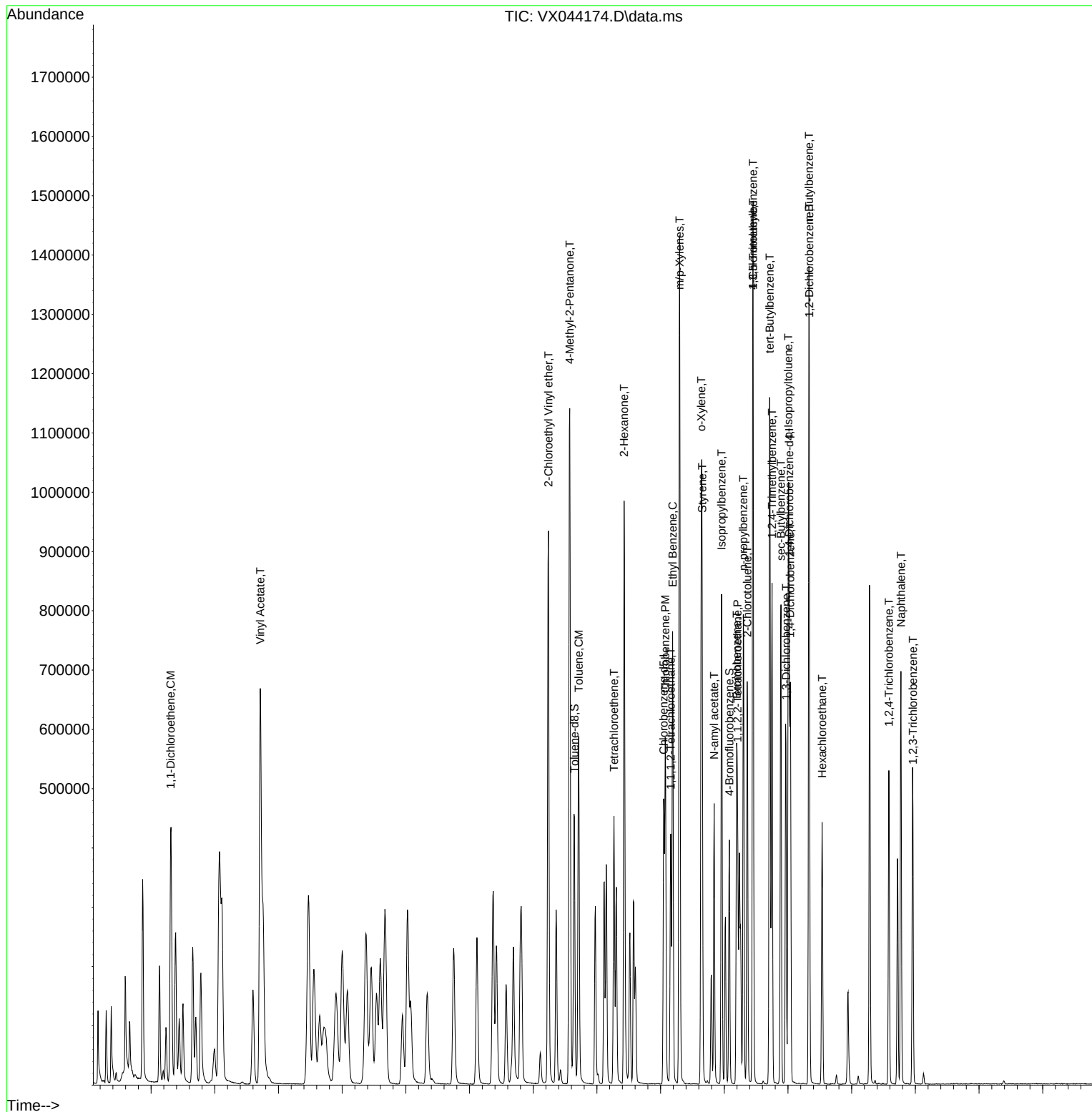
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

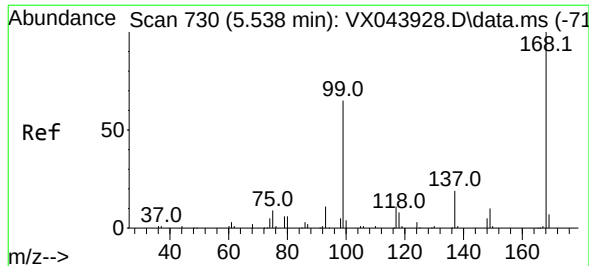
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.538 min Scan# 73

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 128814

Ion Ratio Lower Upper

168 100

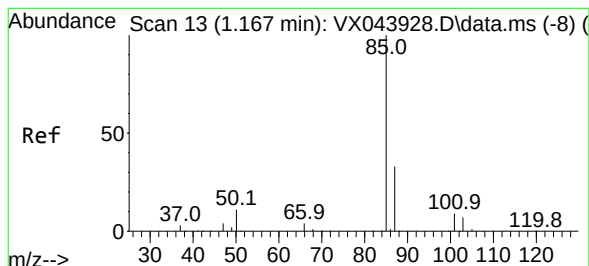
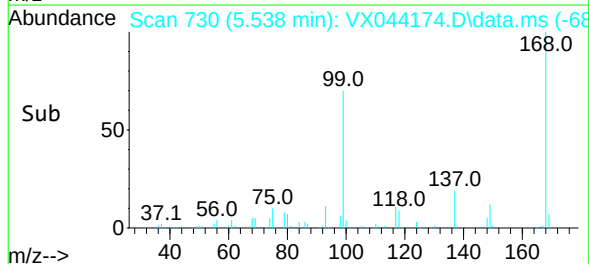
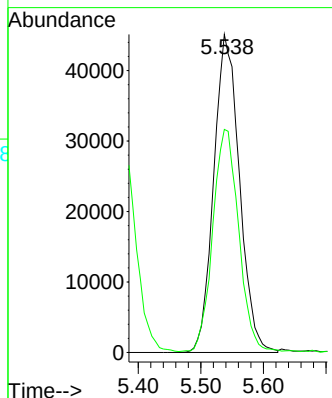
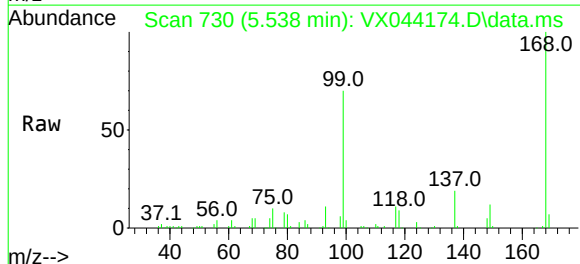
99 69.8 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#2

Dichlorodifluoromethane

Concen: 48.153 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX044174.D

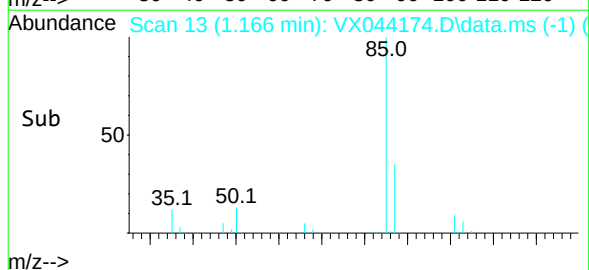
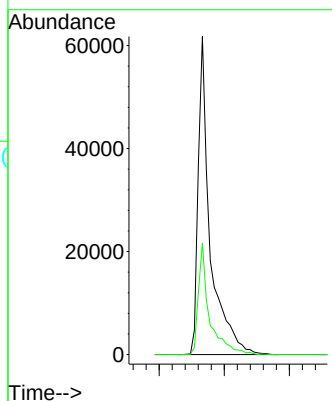
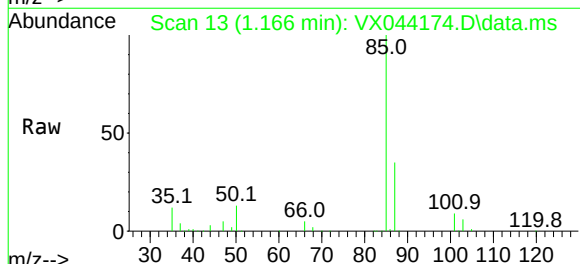
Acq: 09 Dec 2024 09:42

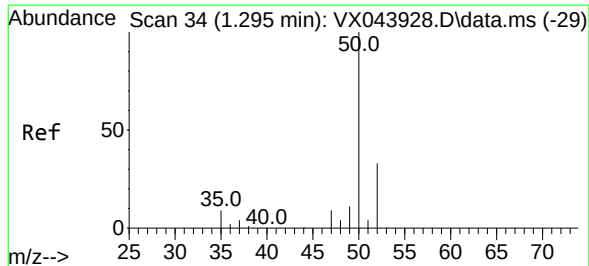
Tgt Ion: 85 Resp: 78580

Ion Ratio Lower Upper

85 100

87 35.1 16.6 49.8





#3

Chloromethane

Concen: 48.602 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 83460

Ion Ratio Lower Upper

50 100

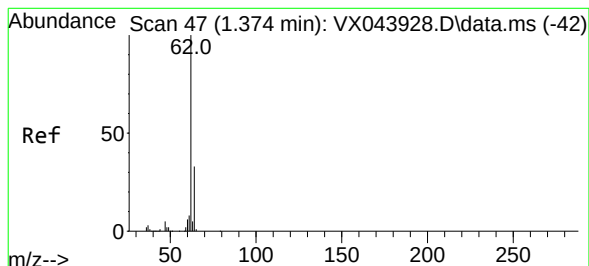
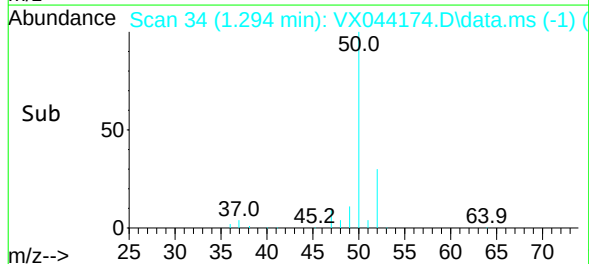
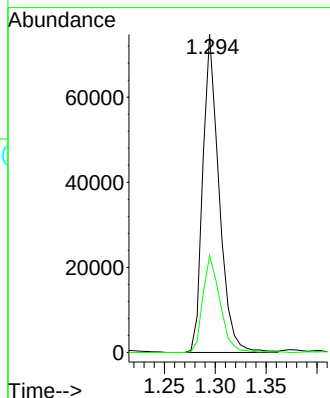
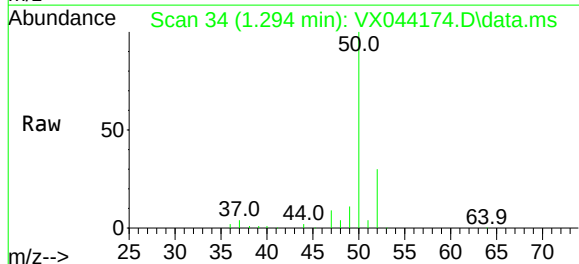
52 30.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#4

Vinyl Chloride

Concen: 51.045 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044174.D

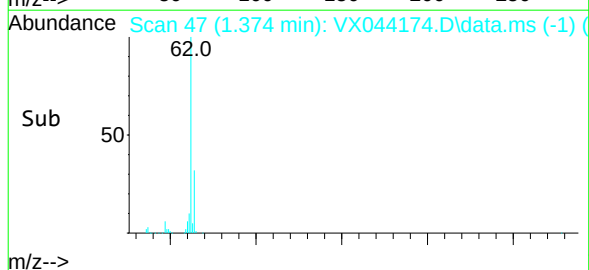
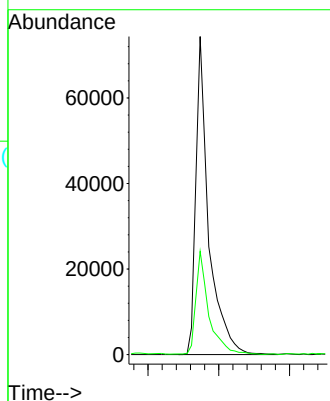
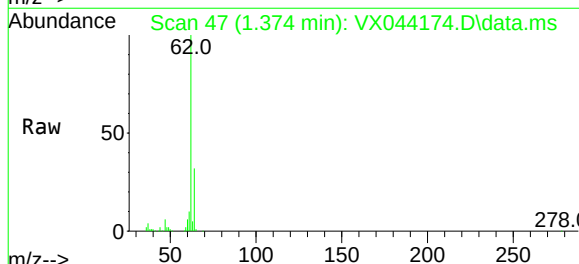
Acq: 09 Dec 2024 09:42

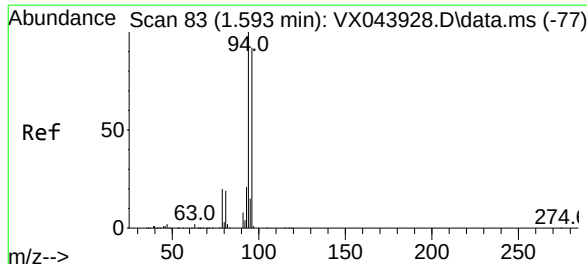
Tgt Ion: 62 Resp: 93235

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.4





#5

Bromomethane

Concen: 56.604 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 63602

Ion Ratio Lower Upper

94 100

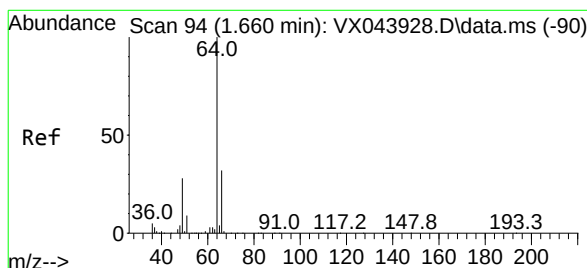
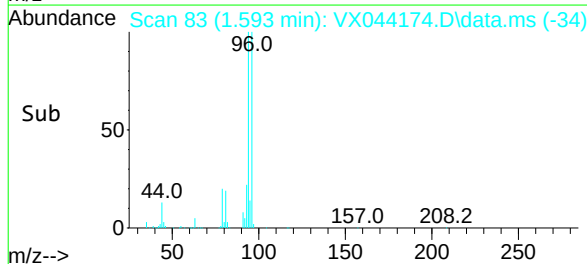
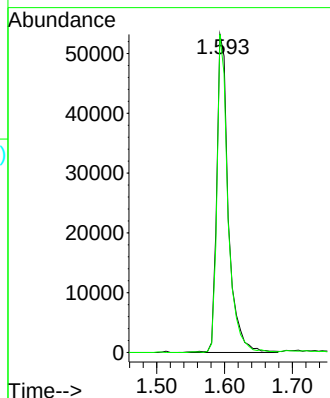
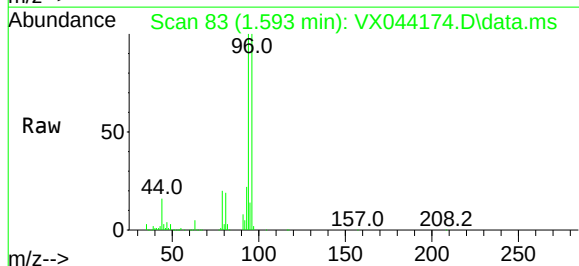
96 100.0 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#6

Chloroethane

Concen: 57.893 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044174.D

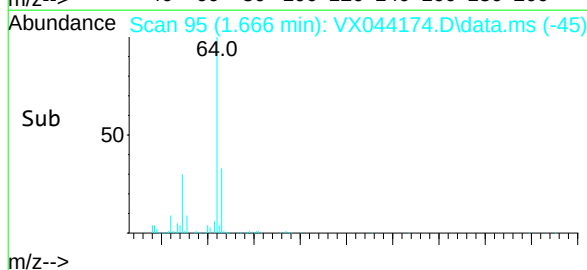
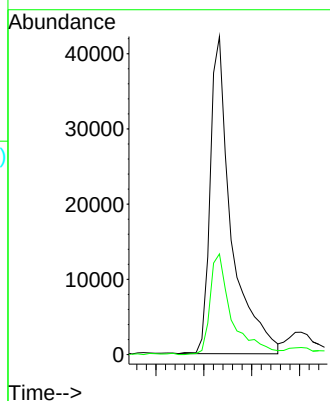
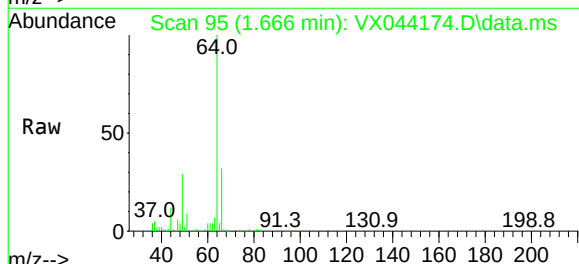
Acq: 09 Dec 2024 09:42

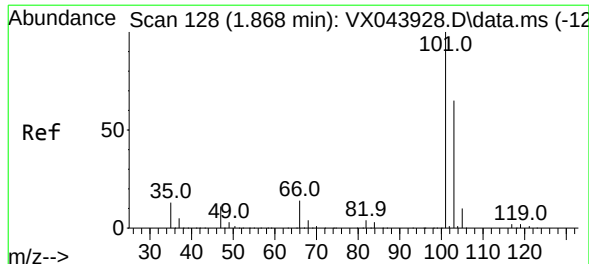
Tgt Ion: 64 Resp: 64433

Ion Ratio Lower Upper

64 100

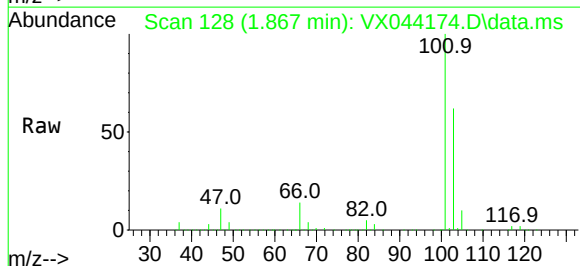
66 31.7 25.9 38.9





Trichlorofluoromethane
Concen: 64.166 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

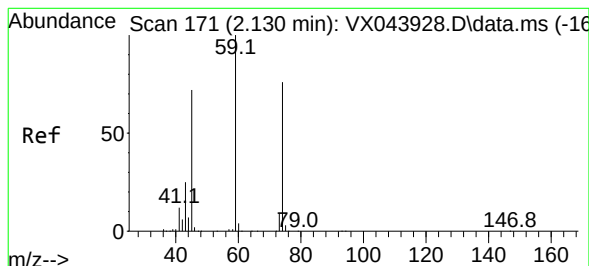
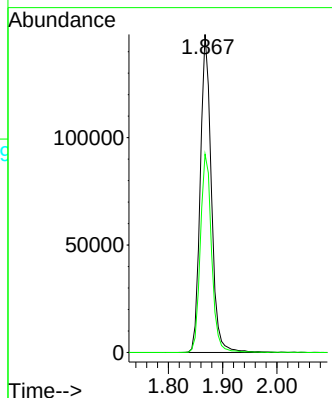
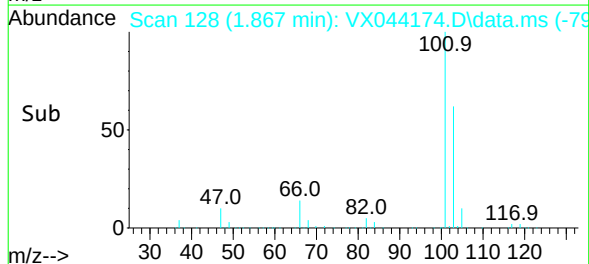
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 101 Resp: 209538
Ion Ratio Lower Upper
101 100
103 62.4 52.2 78.2

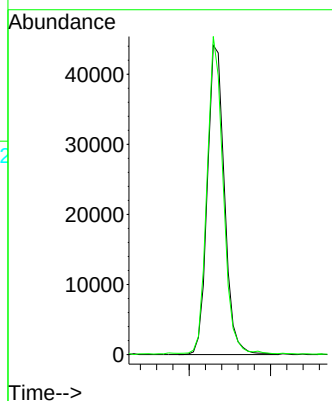
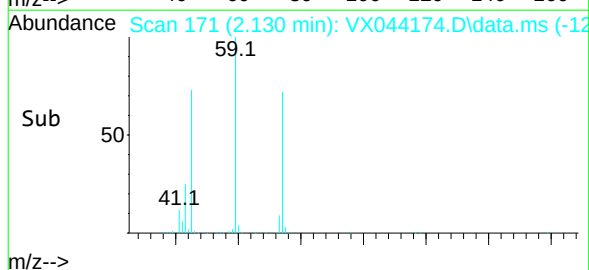
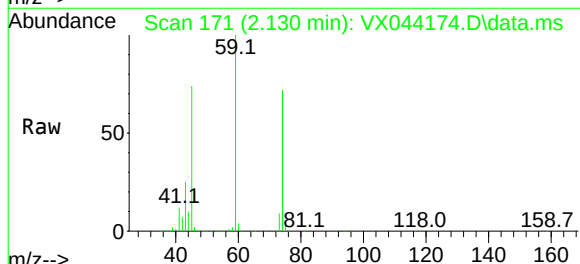
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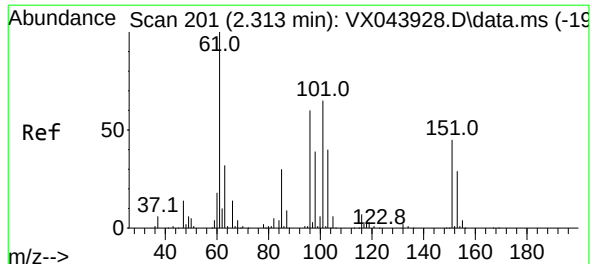
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



Diethyl Ether
Concen: 54.017 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

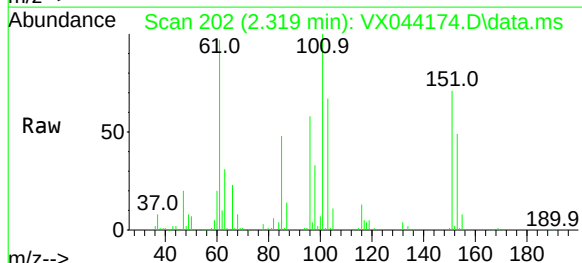
Tgt Ion: 74 Resp: 64292
Ion Ratio Lower Upper
74 100
45 97.0 47.9 143.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.529 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

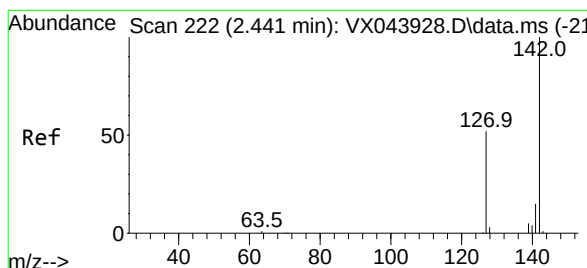
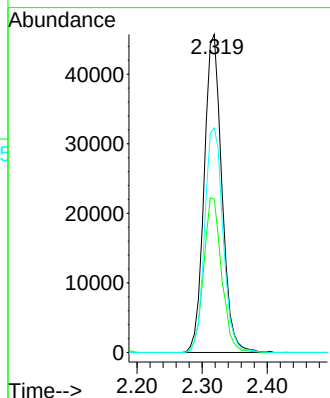
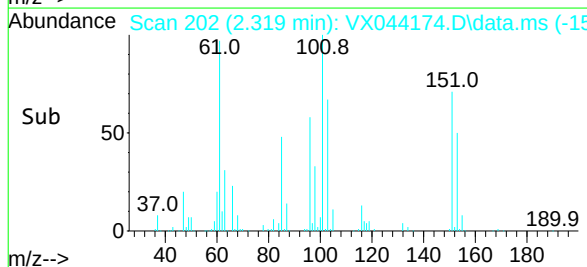
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 86497
Ion Ratio Lower Upper
101 100
85 49.2 37.9 56.9
151 73.3 57.5 86.3

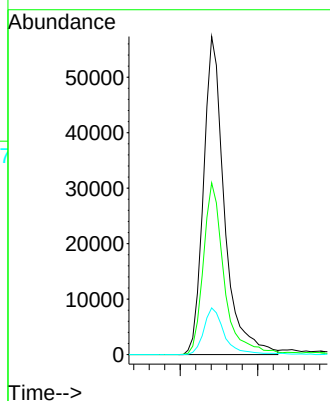
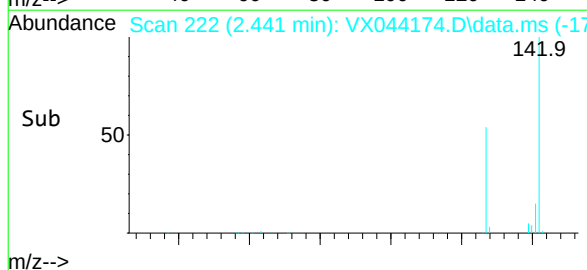
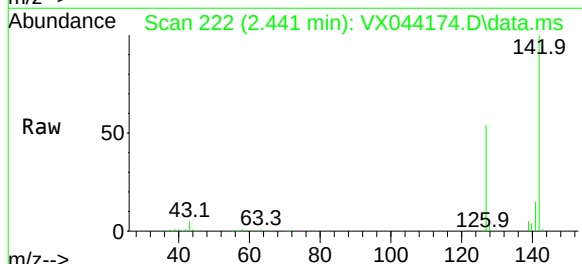
Manual Integrations
APPROVED

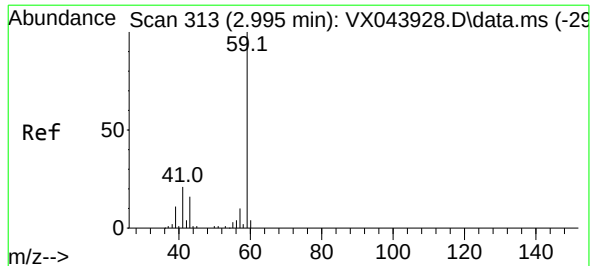
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#10
Methyl Iodide
Concen: 55.244 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:142 Resp: 107473
Ion Ratio Lower Upper
142 100
127 53.5 40.7 61.1
141 14.8 12.0 18.0





#11

Tert butyl alcohol

Concen: 250.958 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 88996

Ion Ratio Lower Upper

59 100

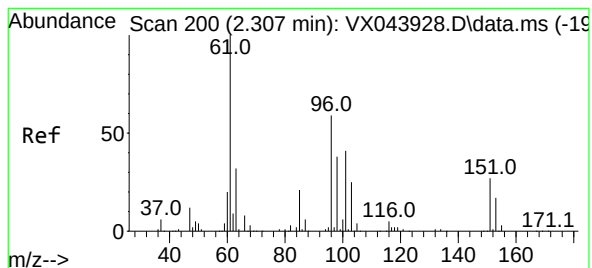
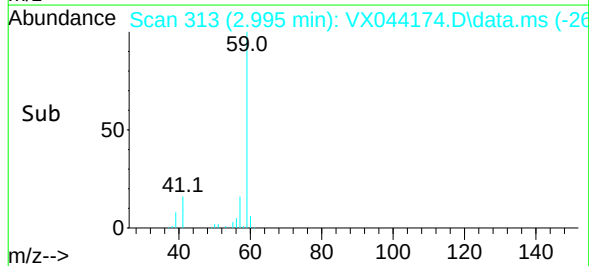
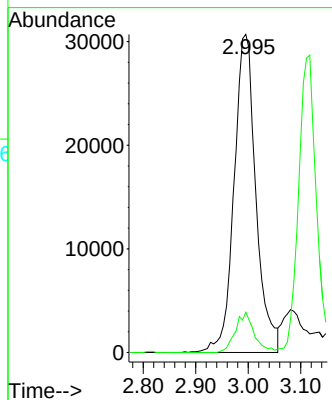
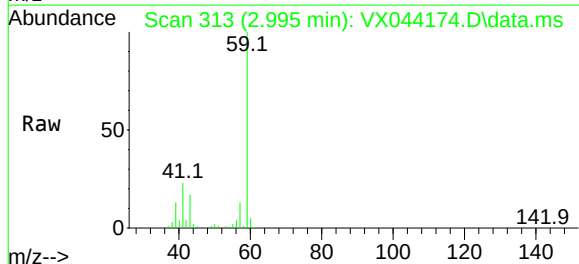
57 10.8 7.9 11.9

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 53.377 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

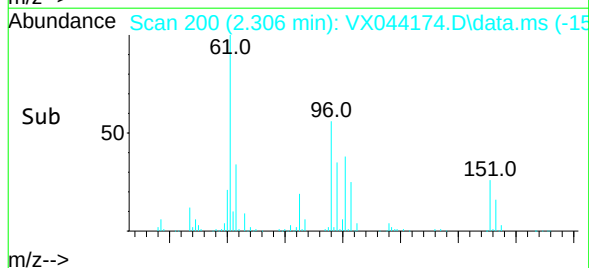
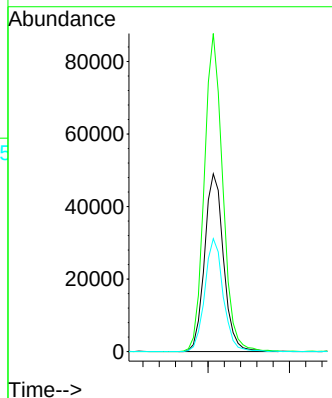
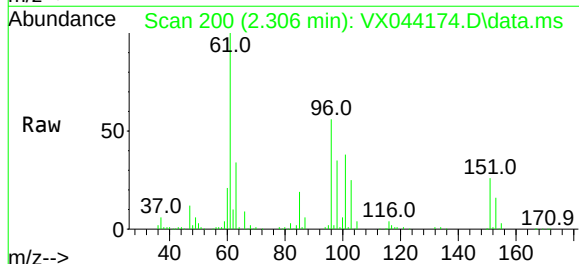
Tgt Ion: 96 Resp: 79228

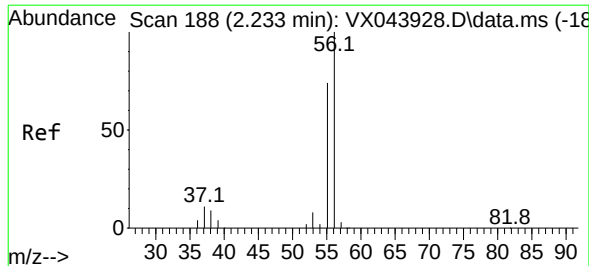
Ion Ratio Lower Upper

96 100

61 178.9 135.5 203.3

98 63.5 50.8 76.2





#13

Acrolein

Concen: 182.338 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 68156

Ion Ratio Lower Upper

56 100

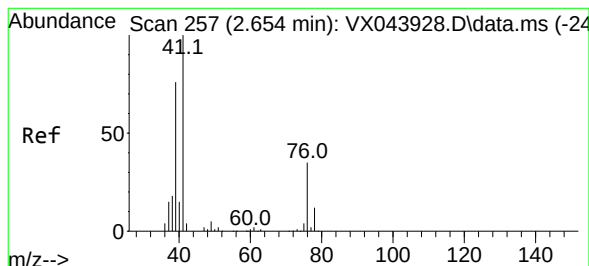
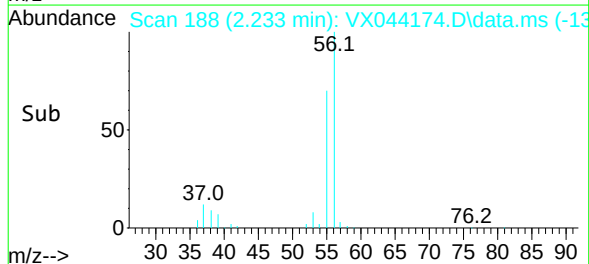
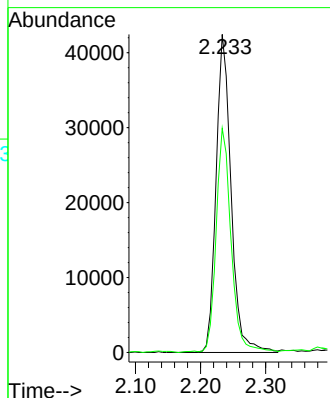
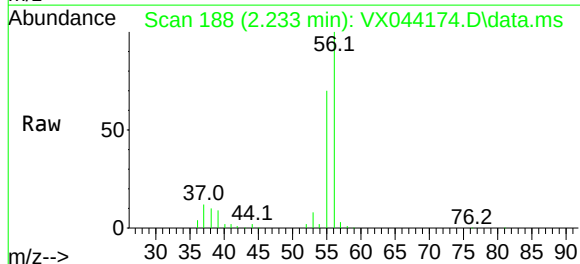
55 70.6 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 56.036 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

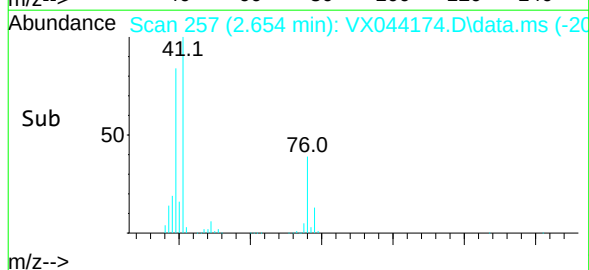
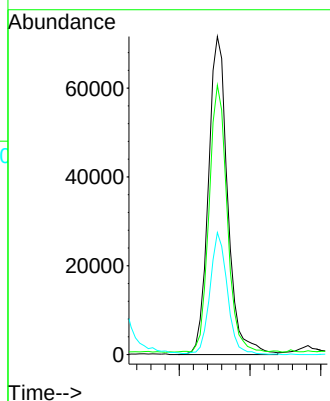
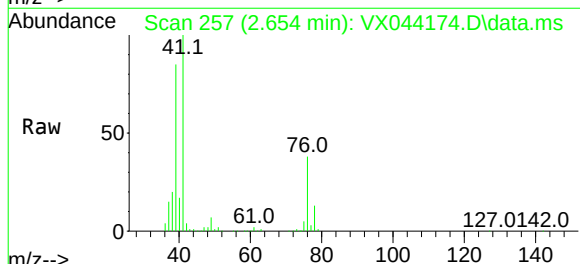
Tgt Ion: 41 Resp: 135908

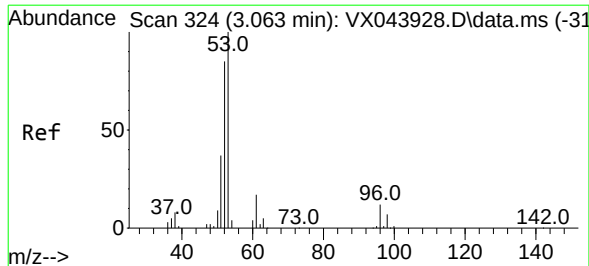
Ion Ratio Lower Upper

41 100

39 78.6 59.5 89.3

76 34.8 27.4 41.2





#15

Acrylonitrile

Concen: 272.630 ug/l

RT: 3.062 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

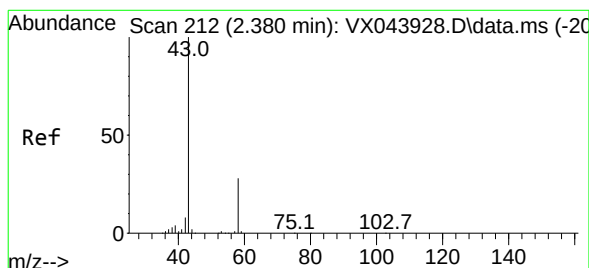
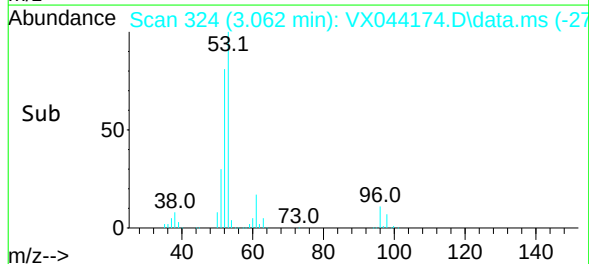
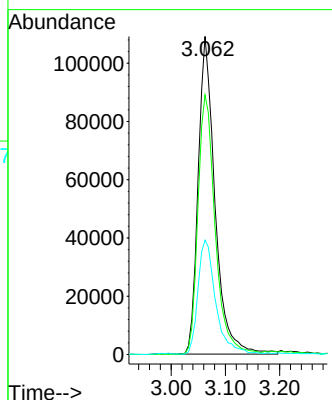
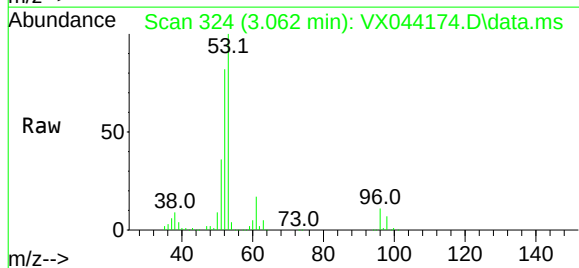
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	235606
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.5	99.7
51	37.8	30.2	45.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#16

Acetone

Concen: 287.937 ug/l

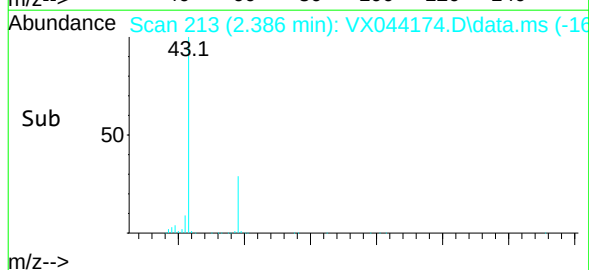
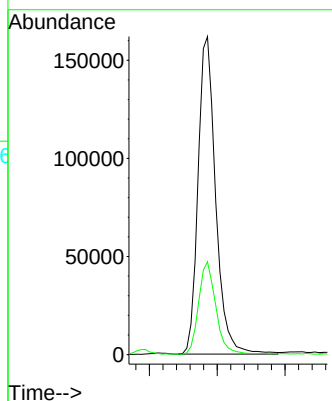
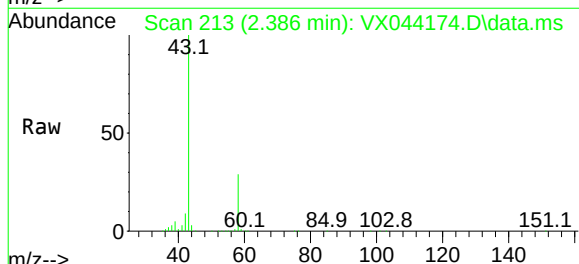
RT: 2.386 min Scan# 213

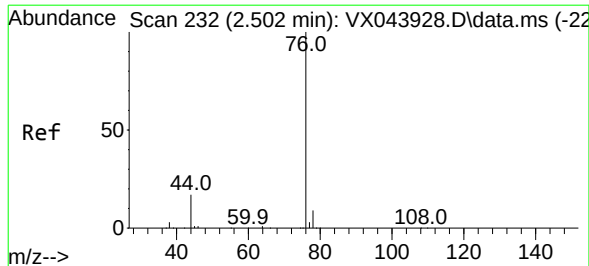
Delta R.T. 0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion:	43	Resp:	292184
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.7	34.1





#17

Carbon Disulfide

Concen: 51.493 ug/l

RT: 2.502 min Scan# 23

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 157658

Ion Ratio Lower Upper

76 100

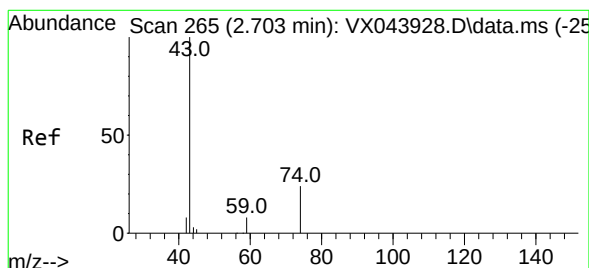
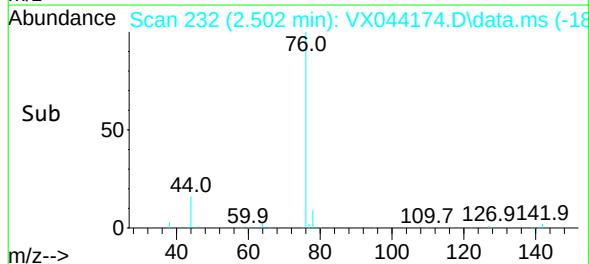
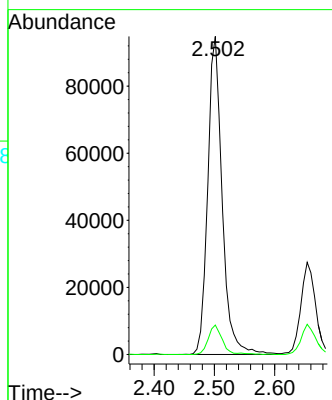
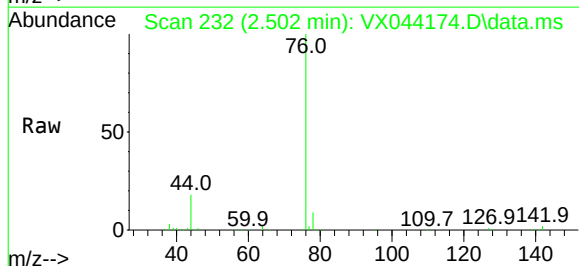
78 9.3 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#18

Methyl Acetate

Concen: 53.780 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX044174.D

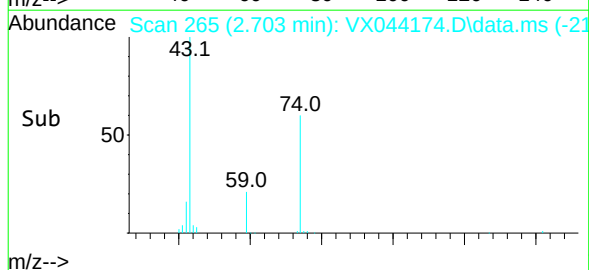
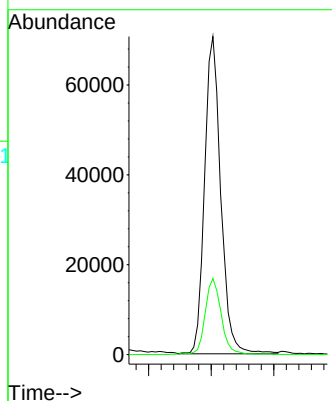
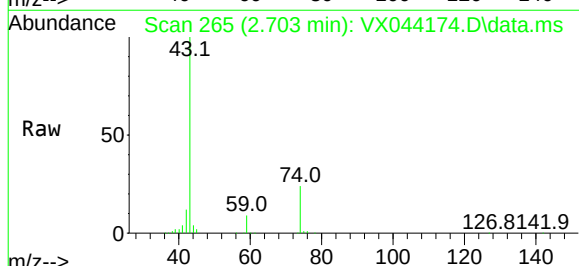
Acq: 09 Dec 2024 09:42

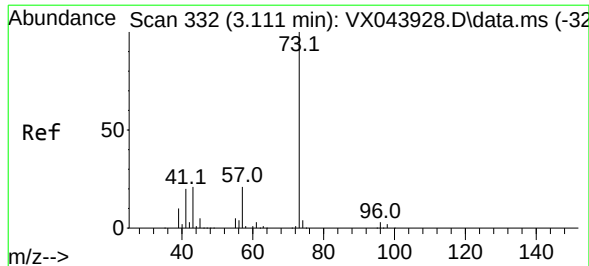
Tgt Ion: 43 Resp: 127089

Ion Ratio Lower Upper

43 100

74 23.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 58.247 ug/l

RT: 3.111 min Scan# 33

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 313920

Ion Ratio Lower Upper

73 100

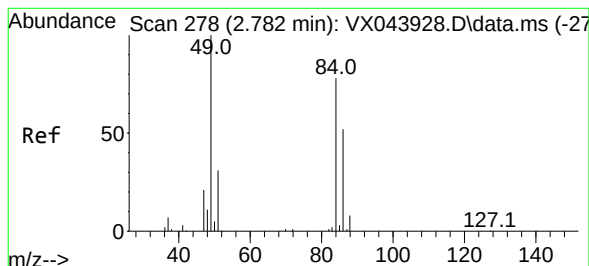
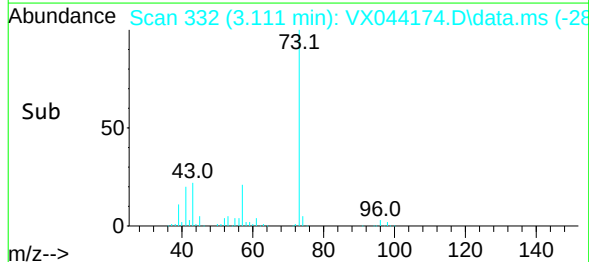
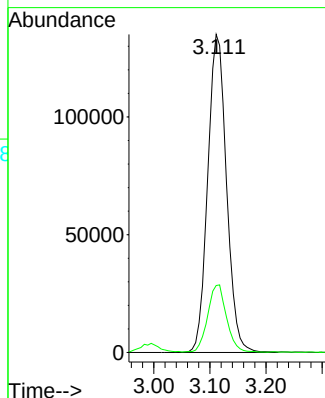
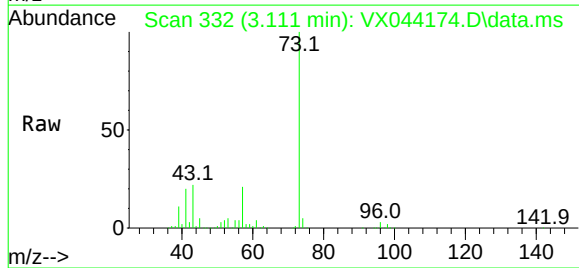
57 20.9 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 52.463 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion: 84 Resp: 90343

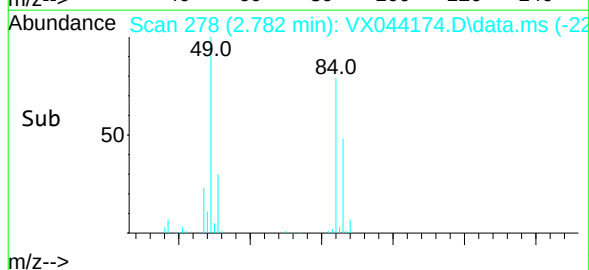
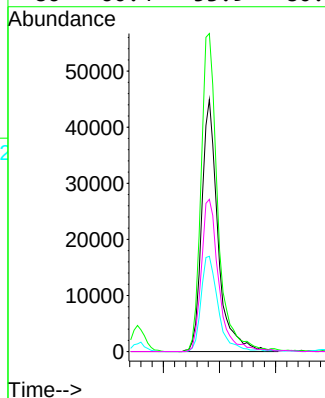
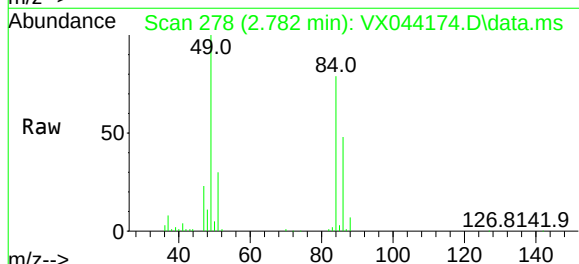
Ion Ratio Lower Upper

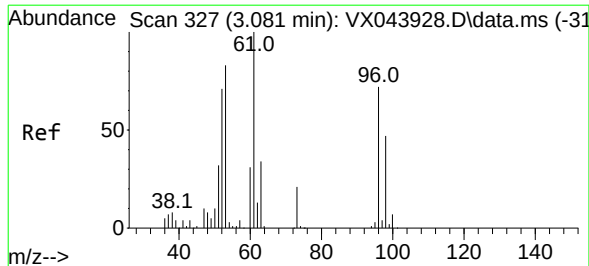
84 100

49 126.2 102.7 154.1

51 37.8 31.7 47.5

86 60.4 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 53.892 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

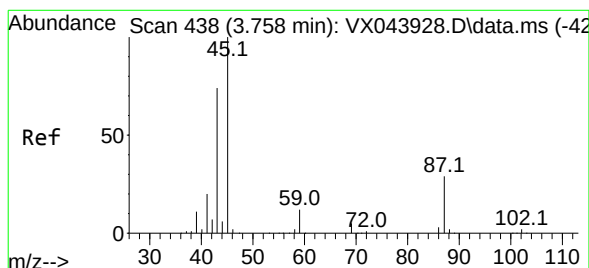
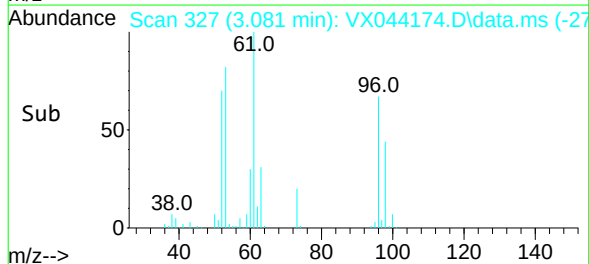
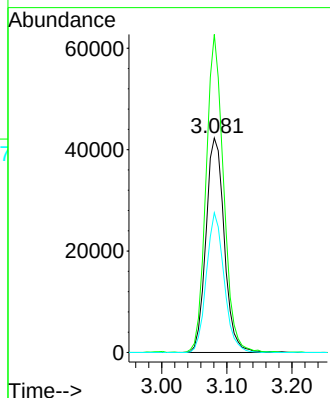
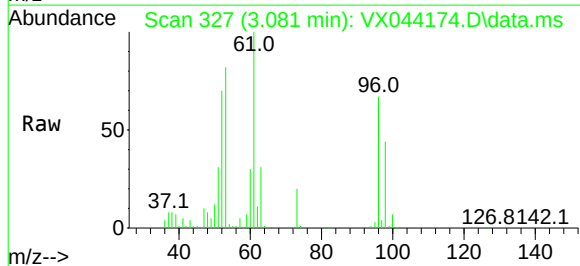
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	82587
Ion	Ratio	Lower	Upper
96	100		
61	148.3	111.8	167.6
98	65.2	52.7	79.1

Manual Integrations
APPROVEDReviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

#22

Diisopropyl ether

Concen: 57.225 ug/l

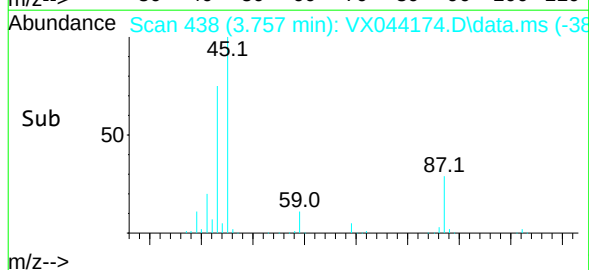
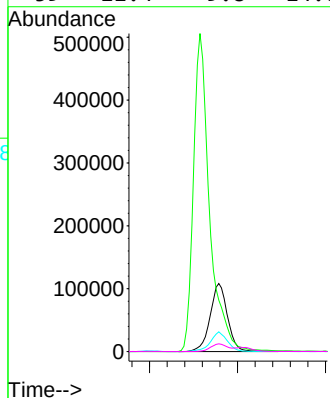
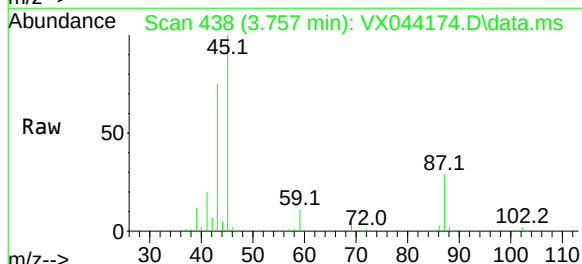
RT: 3.757 min Scan# 438

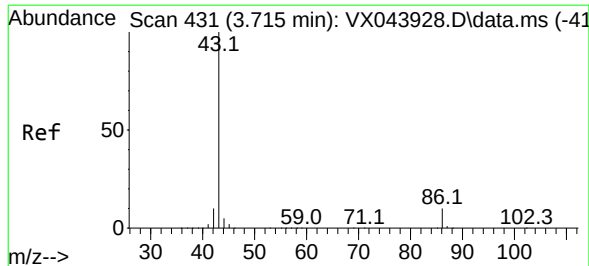
Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion:	45	Resp:	296776
Ion	Ratio	Lower	Upper
45	100		
43	75.1	59.6	89.4
87	29.1	22.9	34.3
59	11.4	9.8	14.6





#23

Vinyl Acetate

Concen: 291.530 ug/l

RT: 3.715 min Scan# 43

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1293362

Ion Ratio Lower Upper

43 100

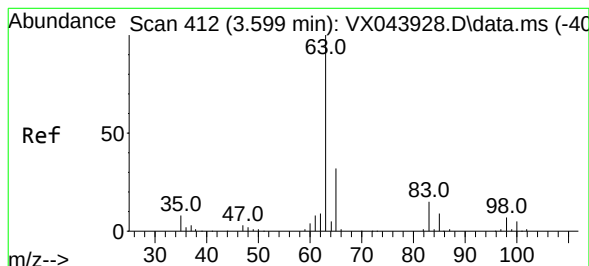
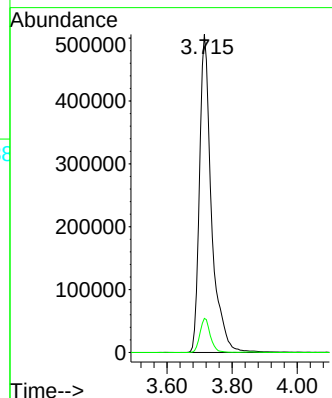
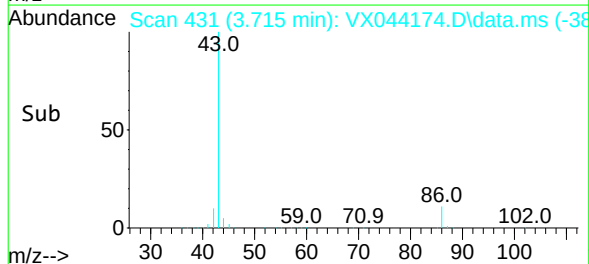
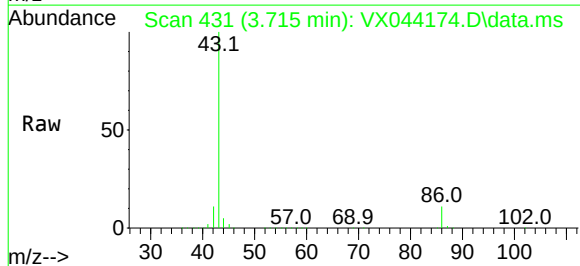
86 10.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 55.983 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

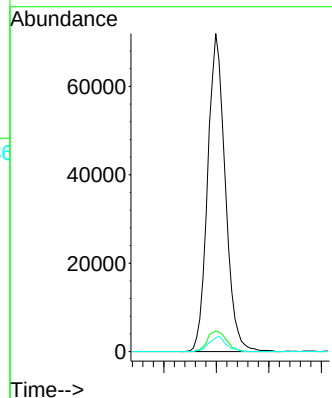
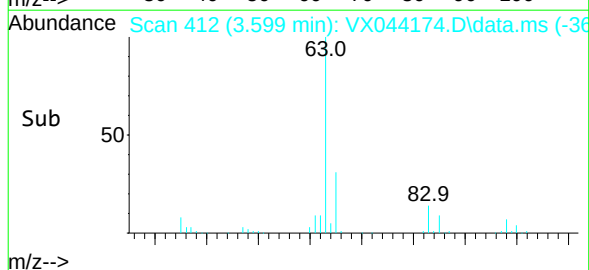
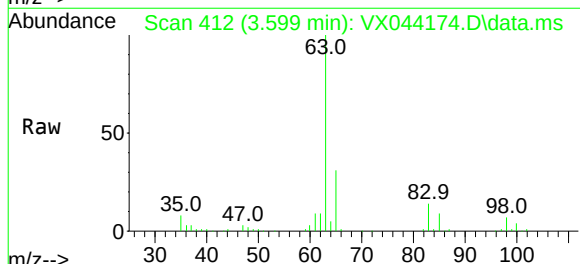
Tgt Ion: 63 Resp: 167492

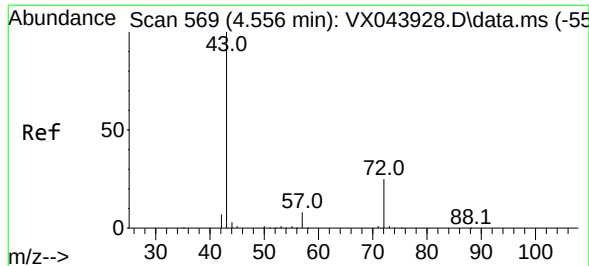
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.6

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 284.114 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.000 min

Lab File: VX044174.D

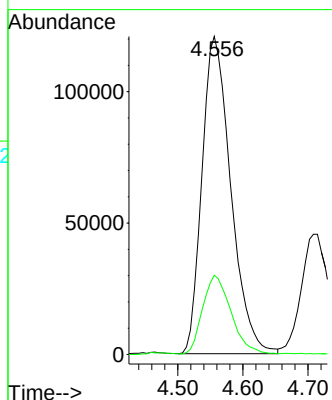
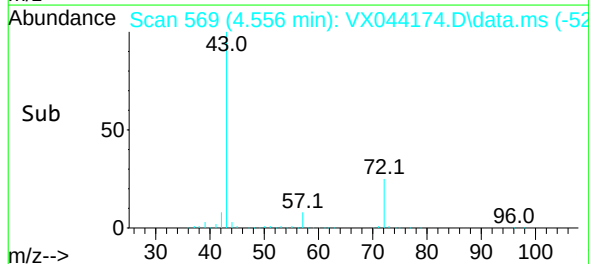
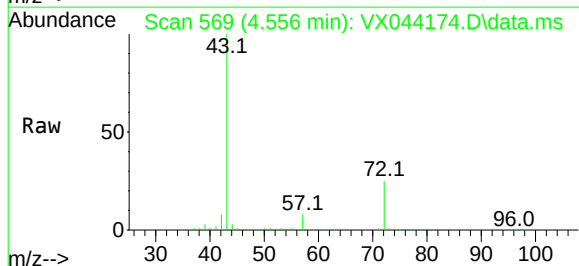
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 372003

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.2



Instrument :

MSVOA_X

ClientSampleId :

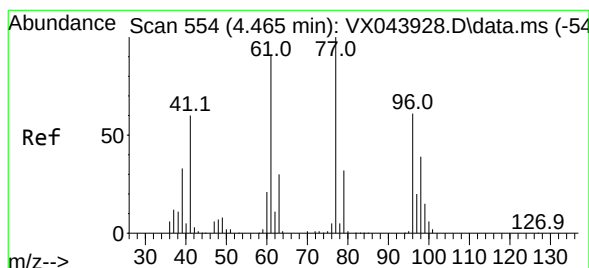
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#26

2,2-Dichloropropane

Concen: 57.356 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044174.D

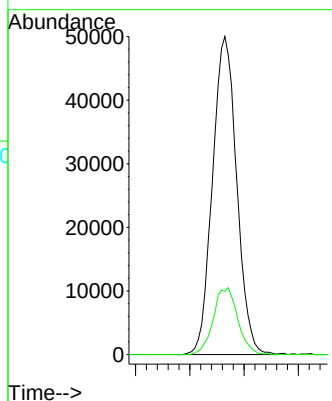
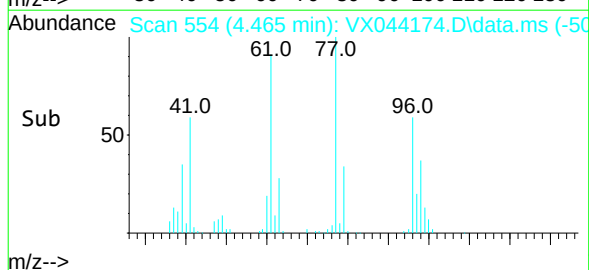
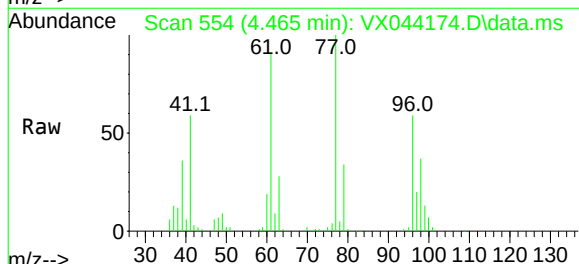
Acq: 09 Dec 2024 09:42

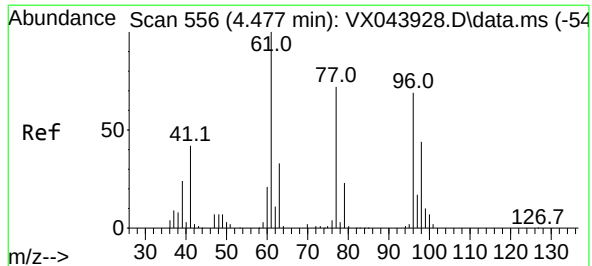
Tgt Ion: 77 Resp: 154976

Ion Ratio Lower Upper

77 100

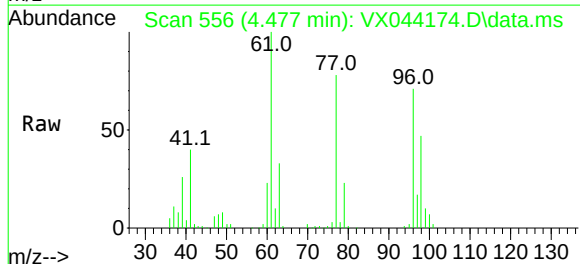
97 21.3 10.8 32.3





#27
cis-1,2-Dichloroethene
Concen: 54.879 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

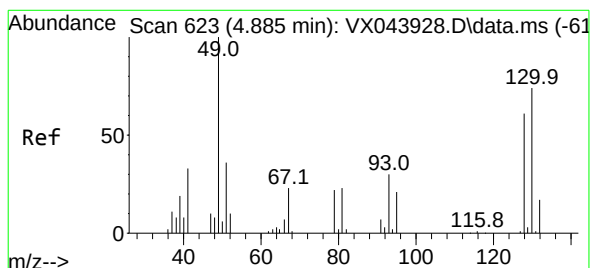
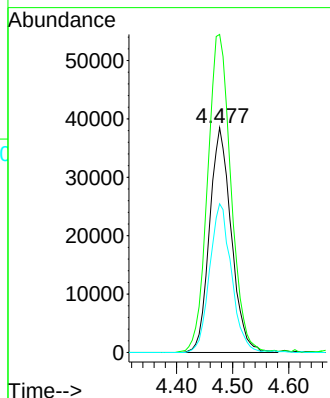
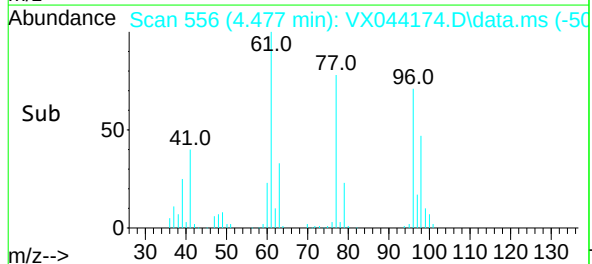
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 103955
Ion Ratio Lower Upper
96 100
61 151.5 0.0 297.4
98 66.0 0.0 127.8

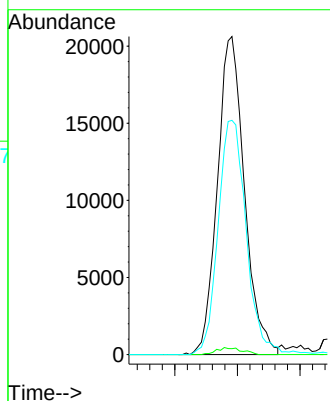
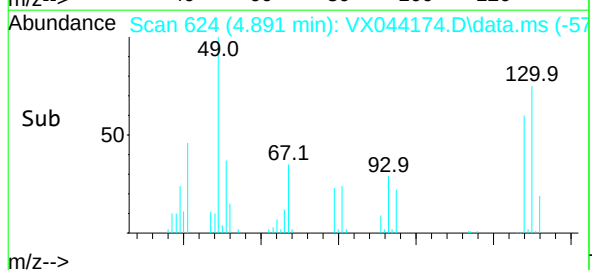
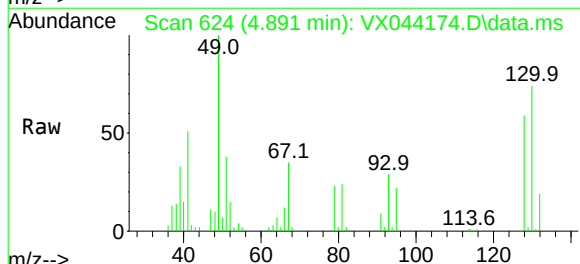
Manual Integrations
APPROVED

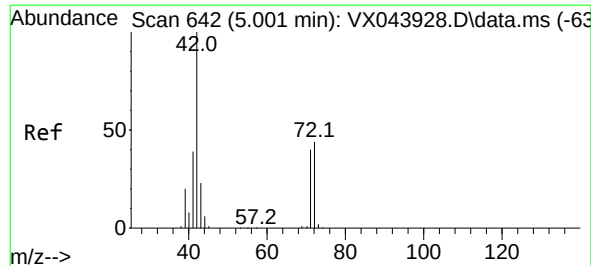
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#28
Bromochloromethane
Concen: 47.061 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 49 Resp: 61976
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 76.1 59.0 88.6





#29

Tetrahydrofuran

Concen: 266.254 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 213725

Ion Ratio Lower Upper

42 100

72 44.7 36.4 54.6

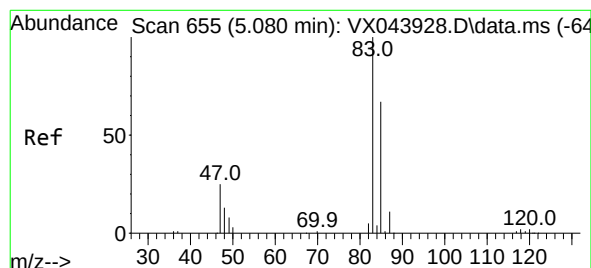
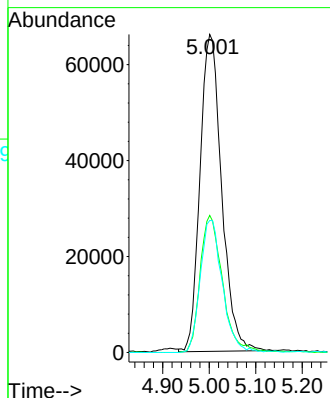
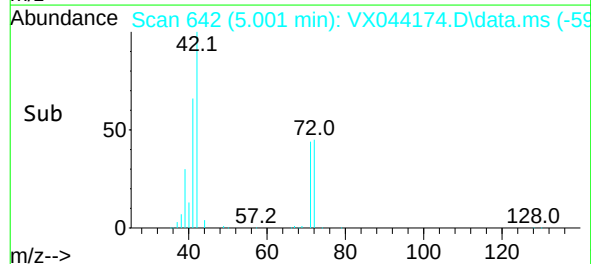
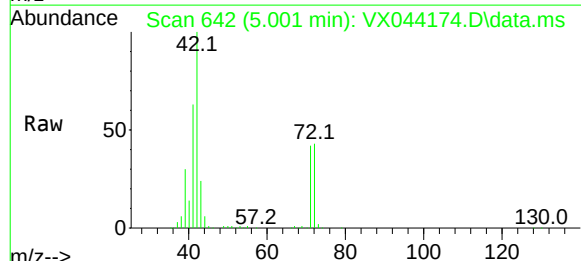
71 42.6 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 55.994 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX044174.D

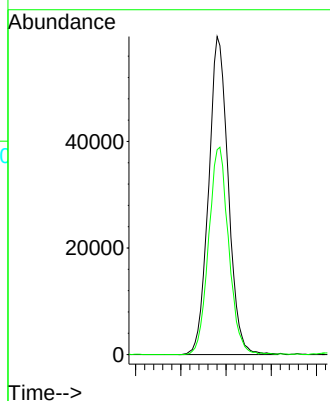
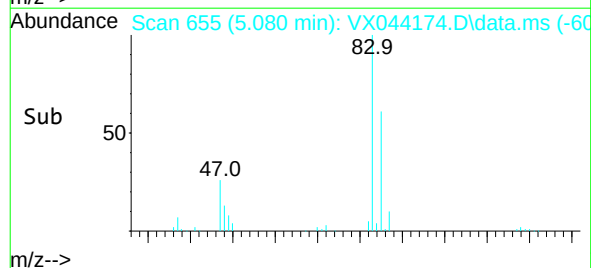
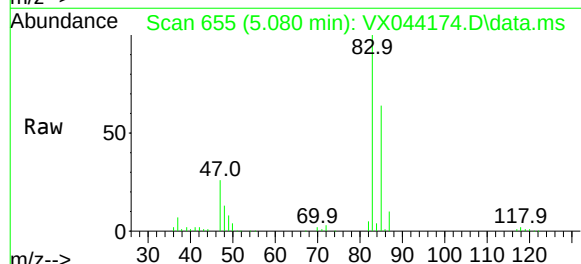
Acq: 09 Dec 2024 09:42

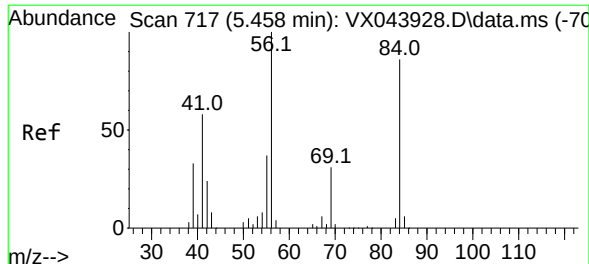
Tgt Ion: 83 Resp: 180181

Ion Ratio Lower Upper

83 100

85 64.4 53.5 80.3





#31

Cyclohexane

Concen: 53.150 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 130877

Ion Ratio Lower Upper

56 100

69 30.0 24.7 37.1

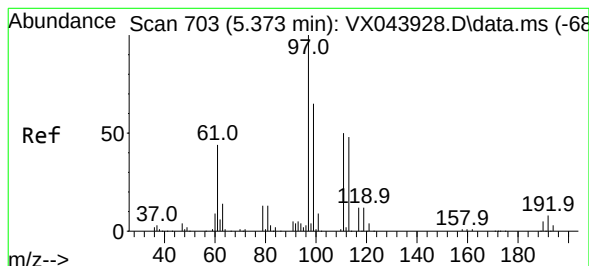
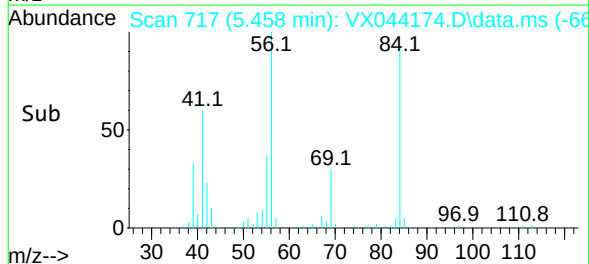
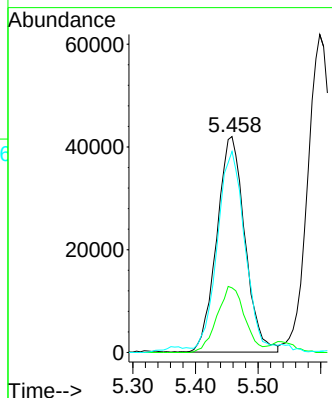
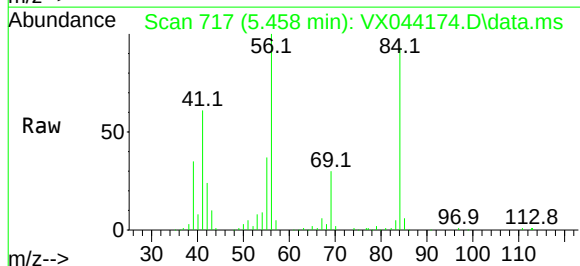
84 90.6 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 59.637 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

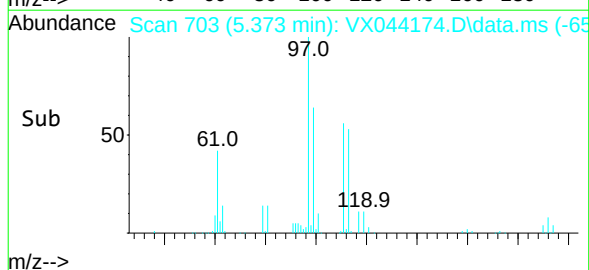
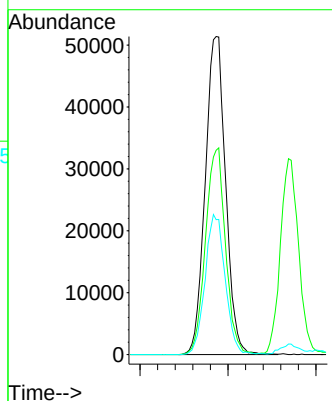
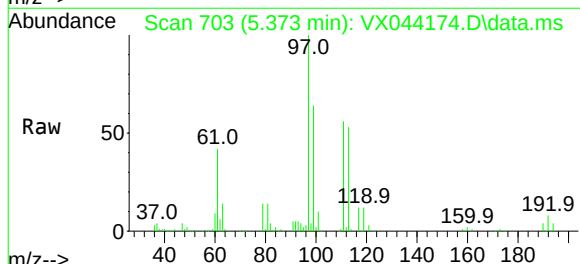
Tgt Ion: 97 Resp: 165489

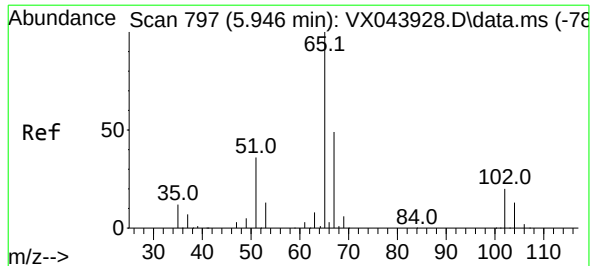
Ion Ratio Lower Upper

97 100

99 63.7 50.8 76.2

61 43.4 35.4 53.2





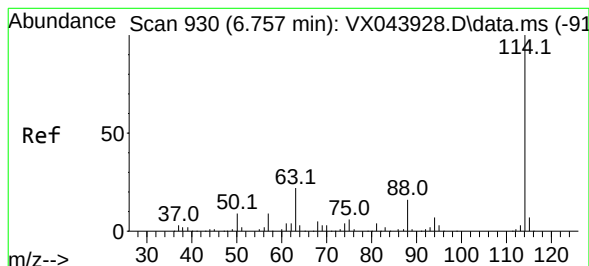
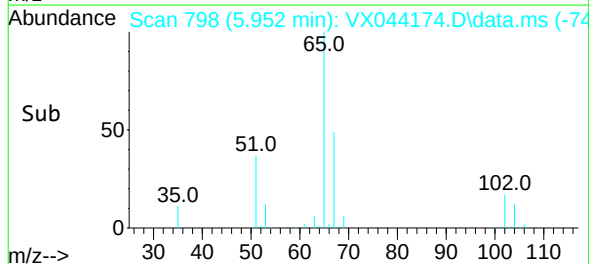
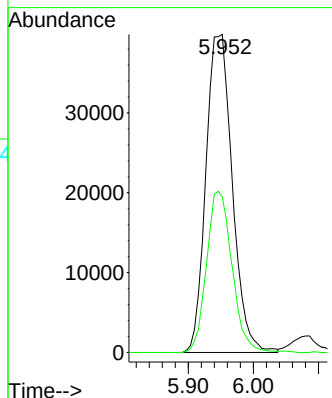
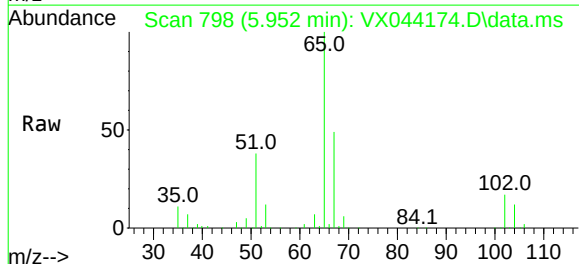
#33
1,2-Dichloroethane-d4
Concen: 50.931 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 112526
Ion Ratio Lower Upper
65 100
67 48.7 0.0 100.8

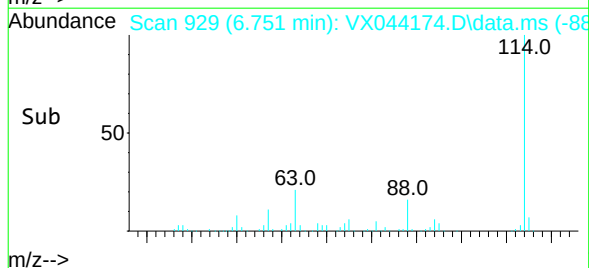
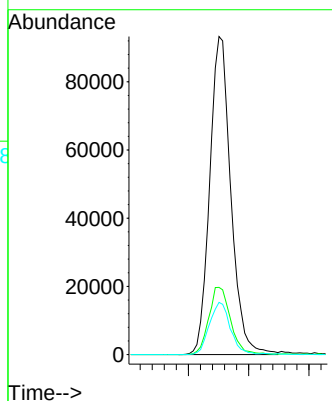
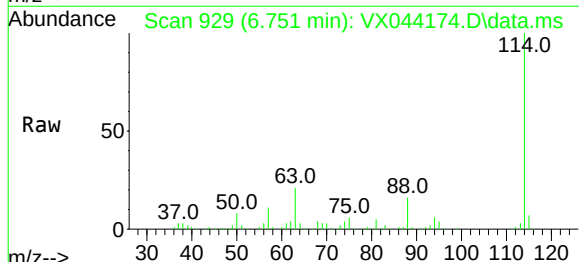
Manual Integrations
APPROVED

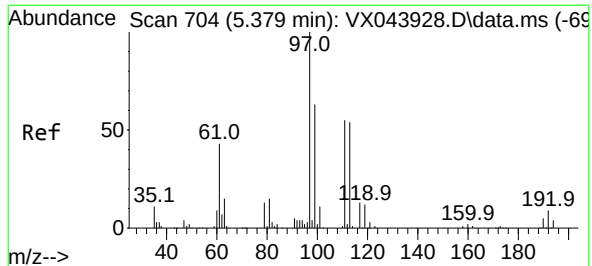
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:114 Resp: 227273
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.0
88 16.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.481 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 83604

Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.4

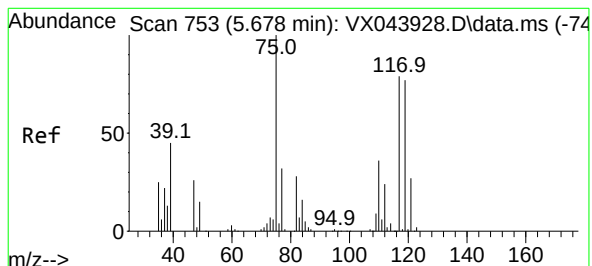
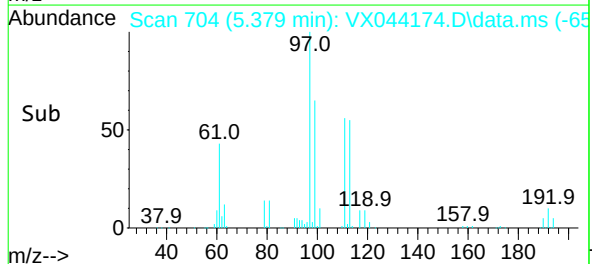
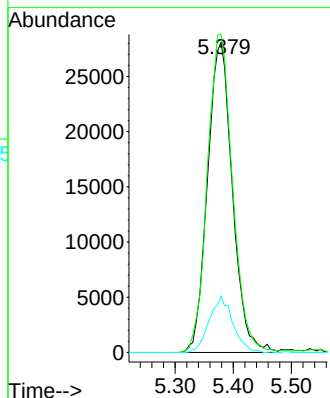
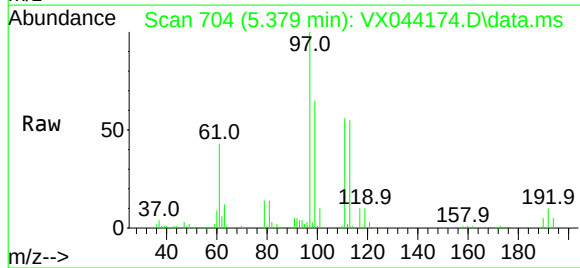
192 17.2 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#36

1,1-Dichloropropene

Concen: 56.258 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

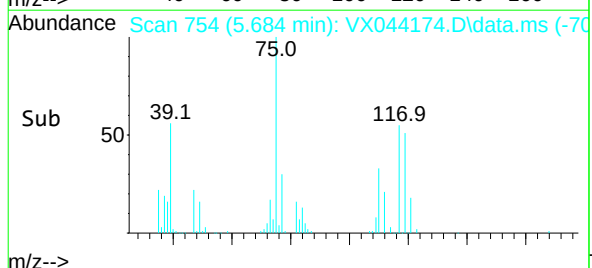
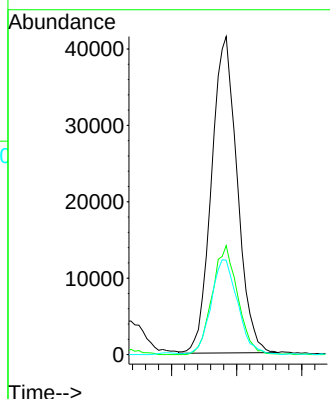
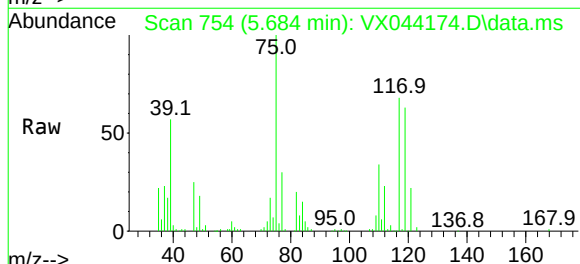
Tgt Ion: 75 Resp: 113848

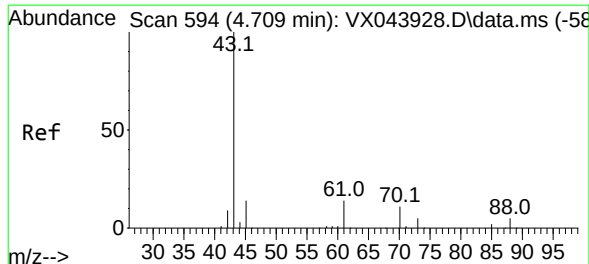
Ion Ratio Lower Upper

75 100

110 34.1 17.4 52.2

77 31.1 25.8 38.8





#37

Ethyl Acetate

Concen: 56.170 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 141102

Ion Ratio Lower Upper

43 100

61 11.9 10.7 16.1

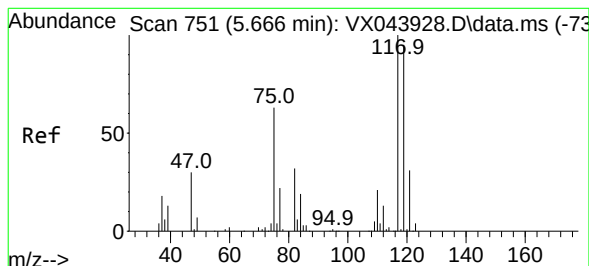
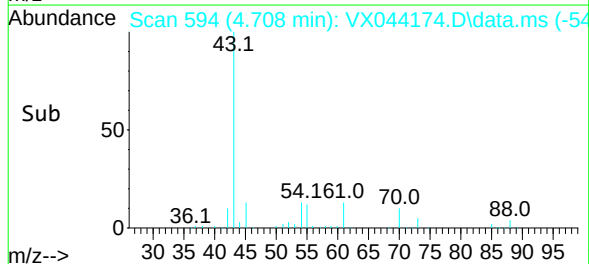
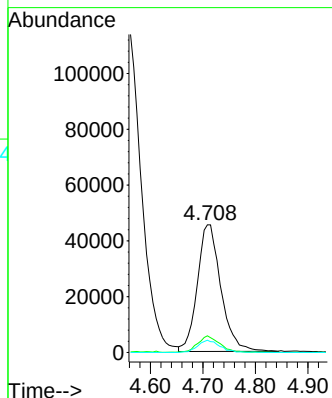
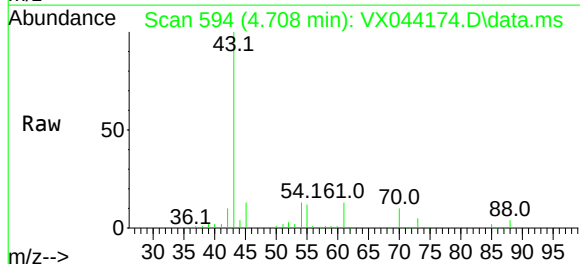
70 9.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#38

Carbon Tetrachloride

Concen: 59.182 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

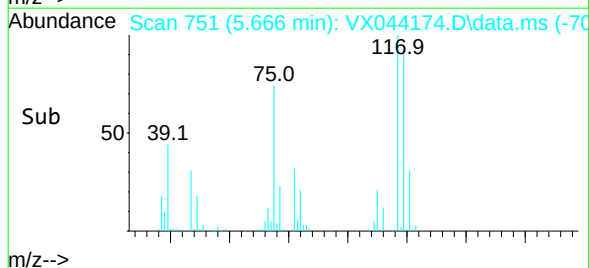
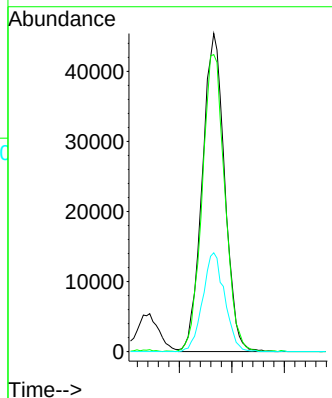
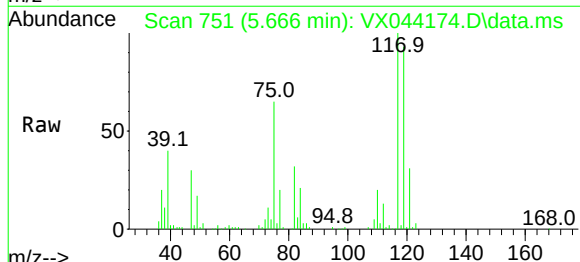
Tgt Ion:117 Resp: 134573

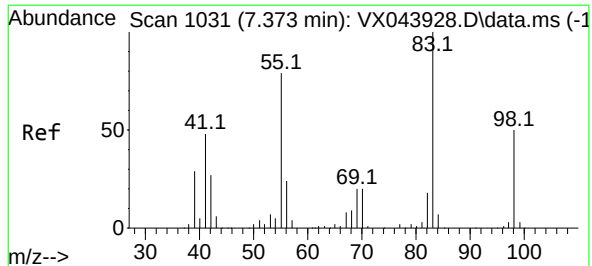
Ion Ratio Lower Upper

117 100

119 93.4 75.2 112.8

121 31.1 24.5 36.7





#39

Methylcyclohexane

Concen: 56.127 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 147558

Ion Ratio Lower Upper

83 100

55 76.1 63.1 94.7

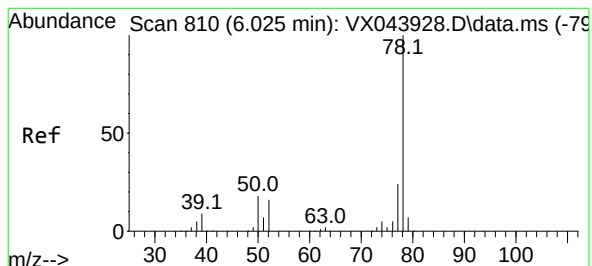
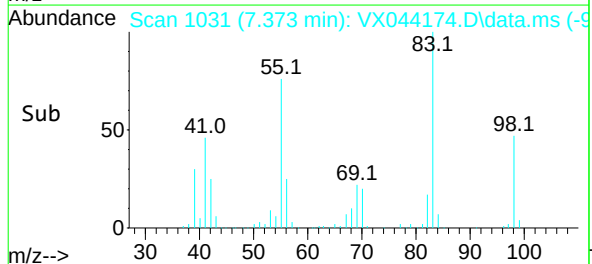
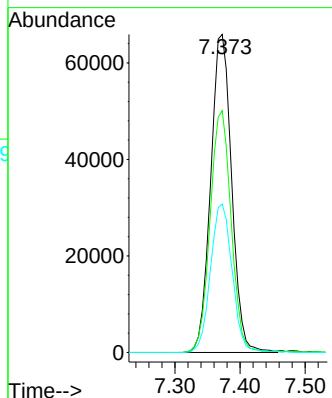
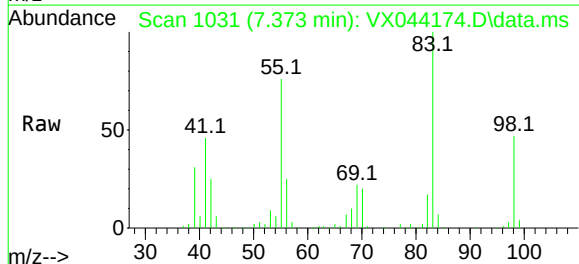
98 46.7 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 54.597 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX044174.D

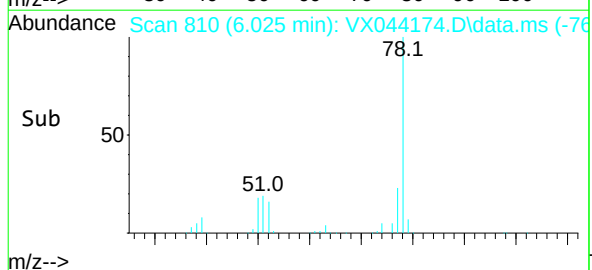
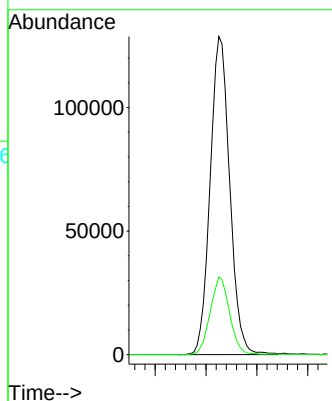
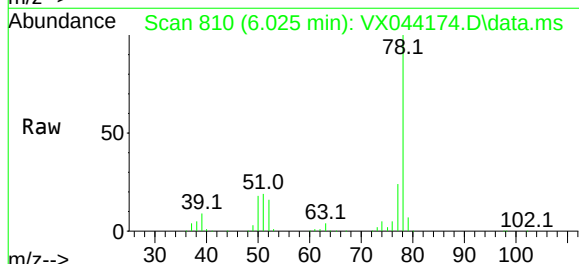
Acq: 09 Dec 2024 09:42

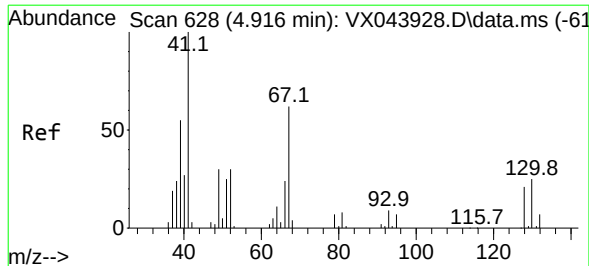
Tgt Ion: 78 Resp: 344158

Ion Ratio Lower Upper

78 100

77 24.4 19.2 28.8





#41

Methacrylonitrile

Concen: 55.276 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 71068

Ion Ratio Lower Upper

41 100

39 62.1 41.7 62.5

67 72.7 55.8 83.8

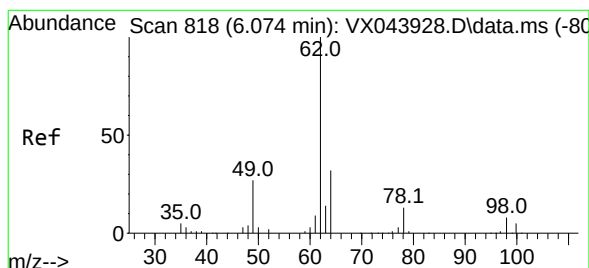
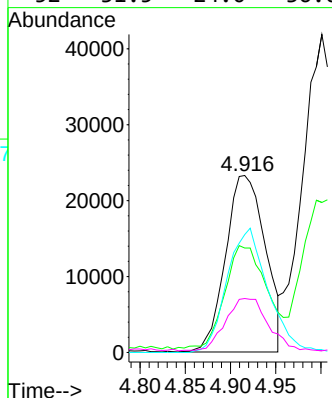
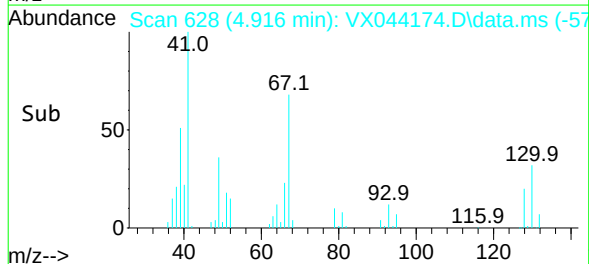
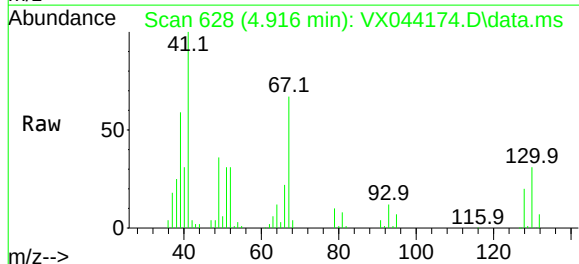
52 31.5 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 57.138 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX044174.D

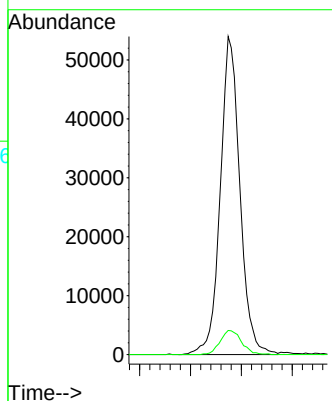
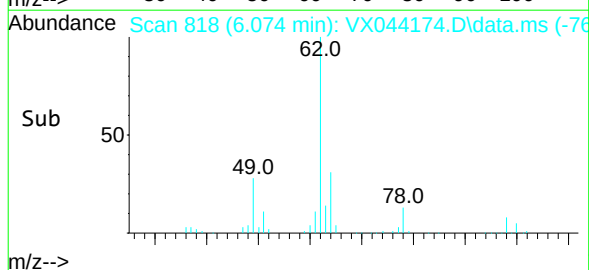
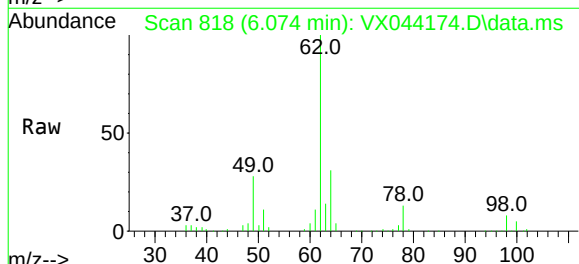
Acq: 09 Dec 2024 09:42

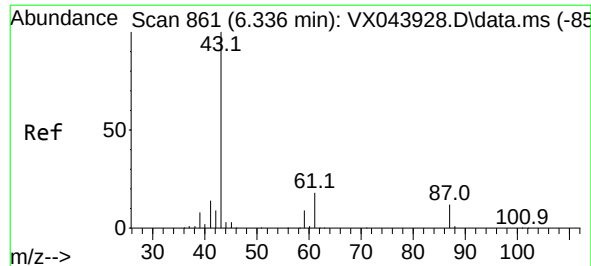
Tgt Ion: 62 Resp: 144654

Ion Ratio Lower Upper

62 100

98 8.3 0.0 16.4





#43

Isopropyl Acetate

Concen: 57.468 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

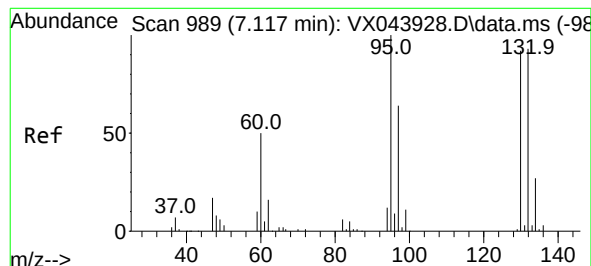
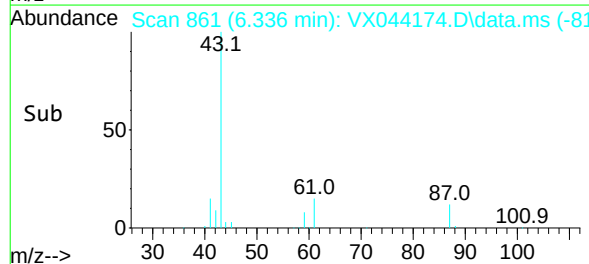
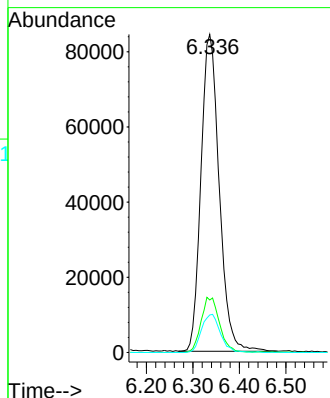
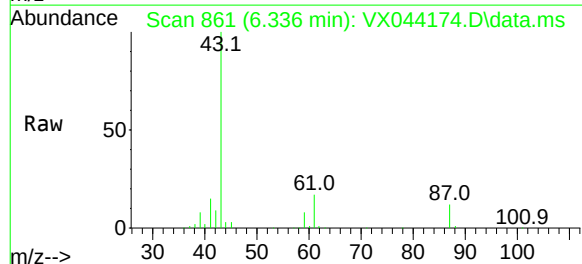
VSTDCCC050

Tgt Ion:	43	Resp:	229745
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	12.4	10.2	15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

Concen: 48.503 ug/l

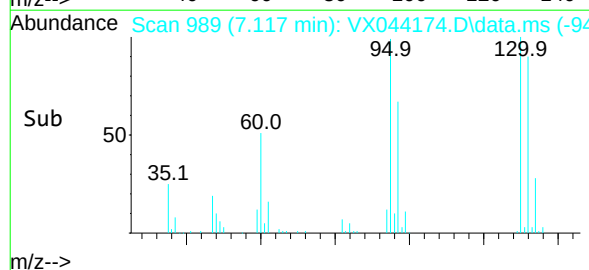
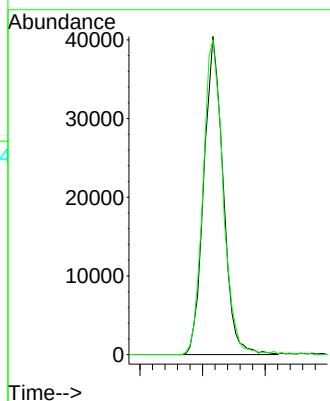
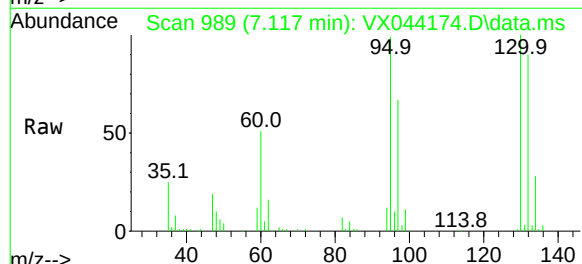
RT: 7.117 min Scan# 989

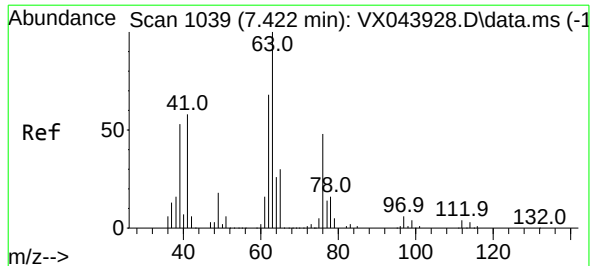
Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion:	130	Resp:	86553
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	217.8





#45

1,2-Dichloropropane

Concen: 57.290 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 88451

Ion Ratio Lower Upper

63 100

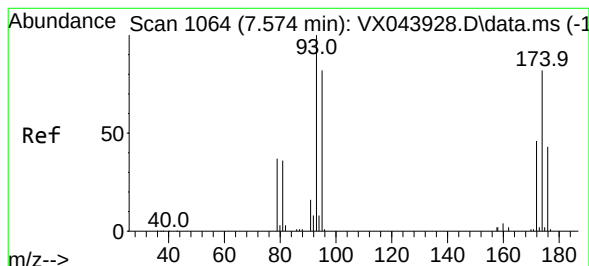
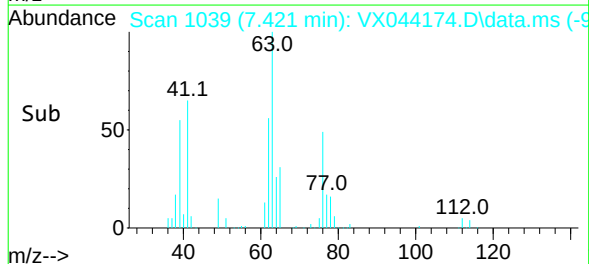
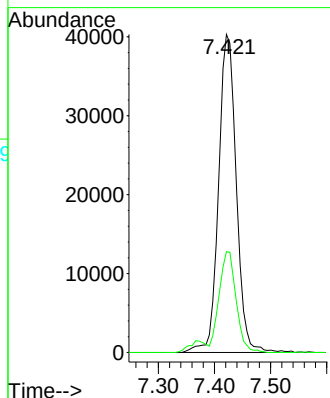
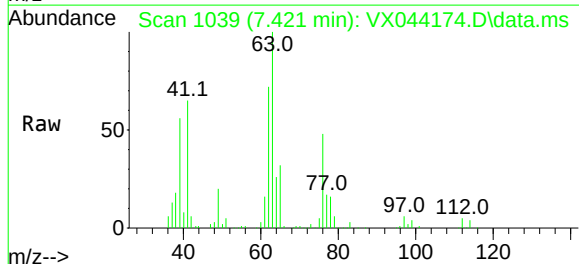
65 31.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#46

Dibromomethane

Concen: 57.782 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

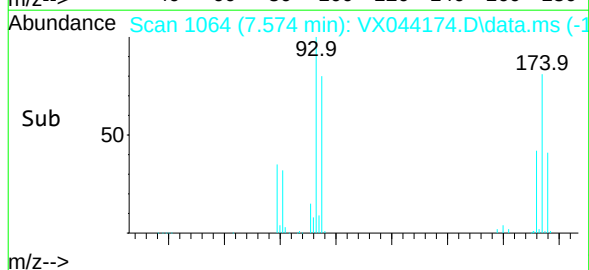
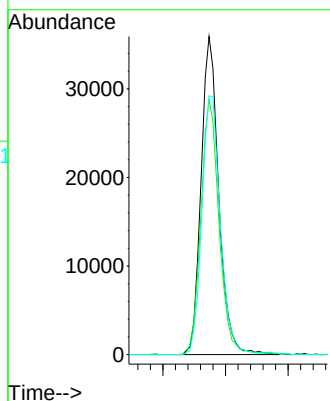
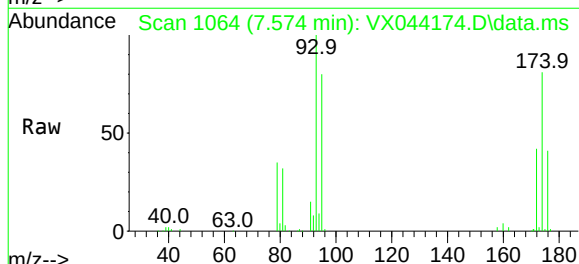
Tgt Ion: 93 Resp: 70569

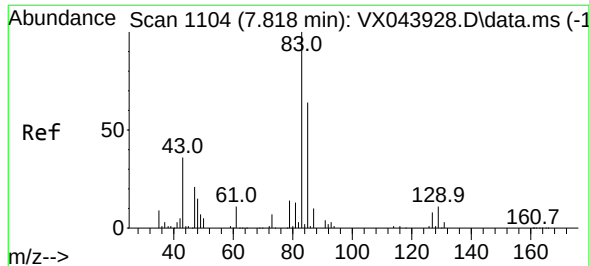
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 84.8 69.6 104.4





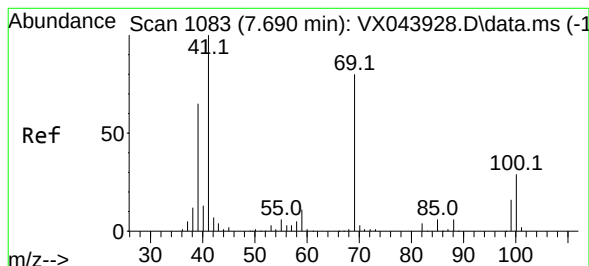
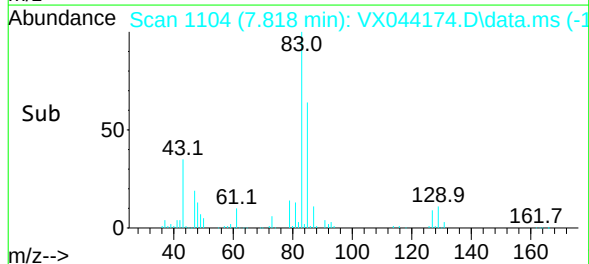
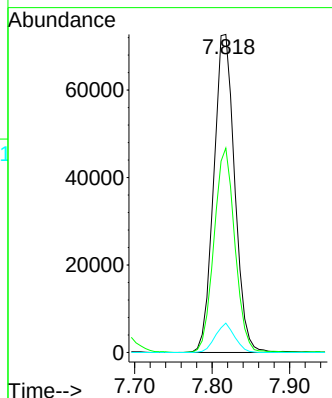
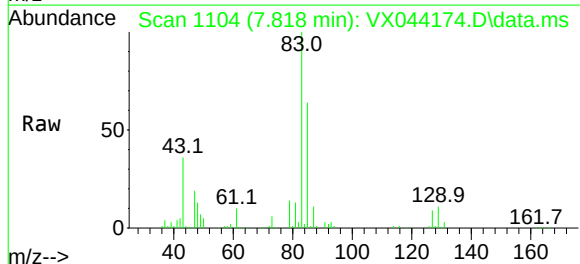
#47
Bromodichloromethane
Concen: 62.329 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 136522
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.0
127 9.2 6.6 10.0

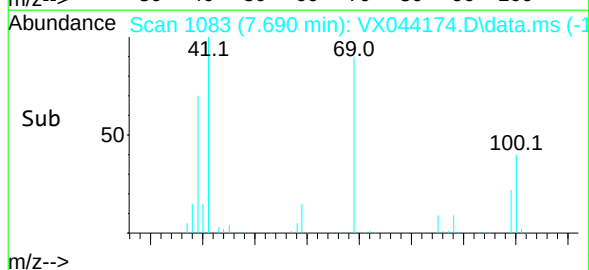
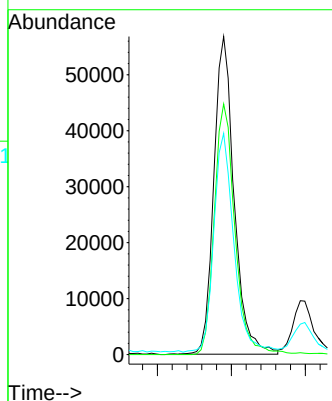
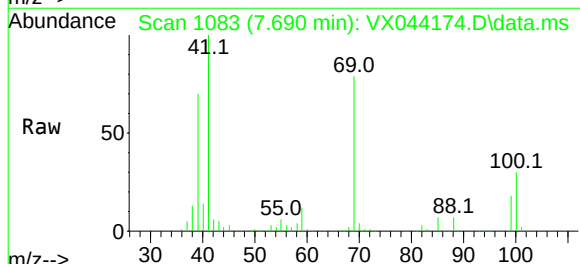
Manual Integrations
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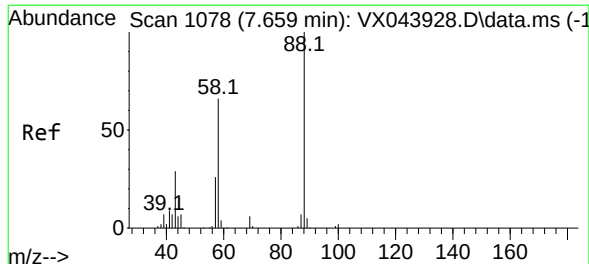
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#48
Methyl methacrylate
Concen: 56.476 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 41 Resp: 108338
Ion Ratio Lower Upper
41 100
69 80.2 64.6 97.0
39 67.7 53.3 79.9





#49

1,4-Dioxane

Concen: 748.393 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 25573

Ion Ratio Lower Upper

88 100

43 26.9 26.8 40.2

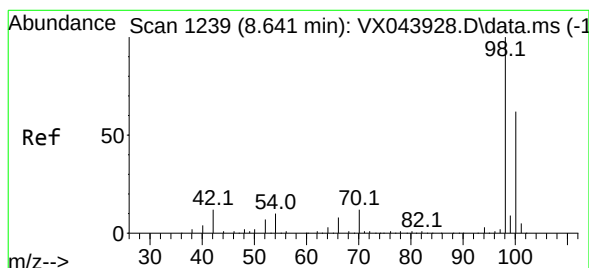
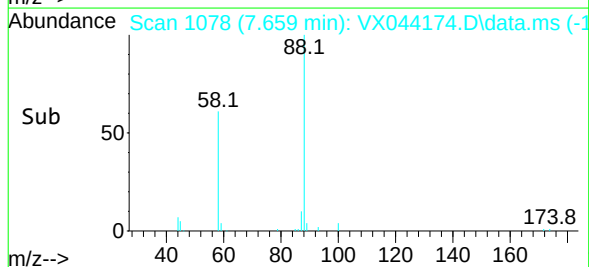
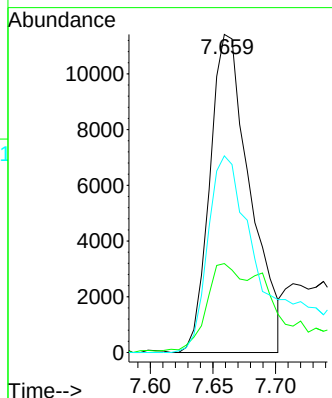
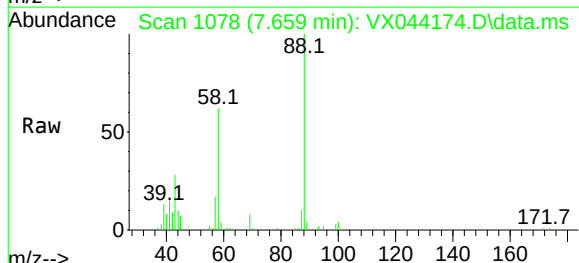
58 81.6 45.4 68.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 48.907 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044174.D

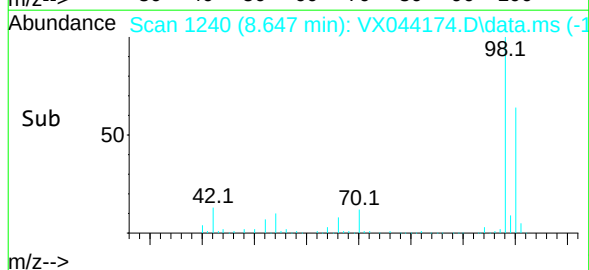
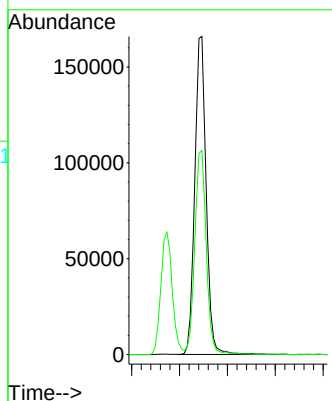
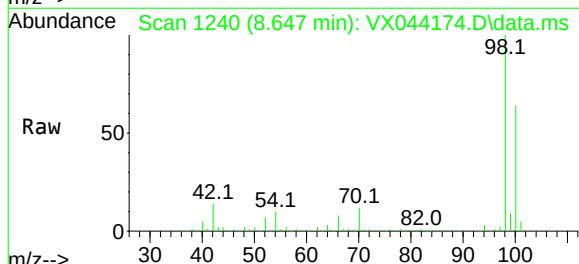
Acq: 09 Dec 2024 09:42

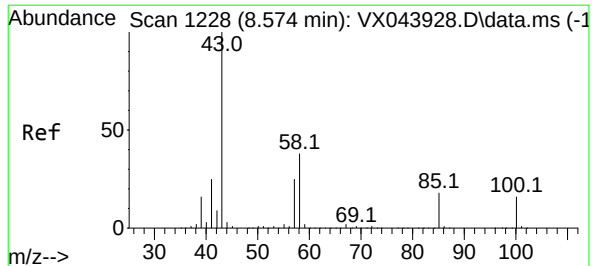
Tgt Ion: 98 Resp: 273781

Ion Ratio Lower Upper

98 100

100 64.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 291.699 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 711641

Ion Ratio Lower Upper

43 100

58 37.1 30.0 45.0

Instrument :

MSVOA_X

ClientSampleId :

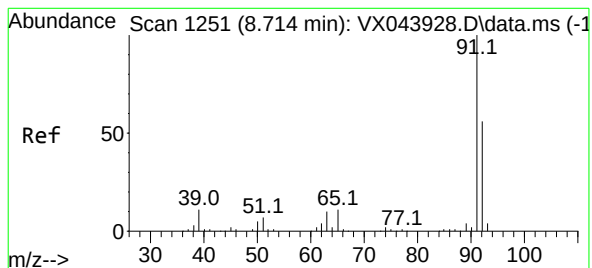
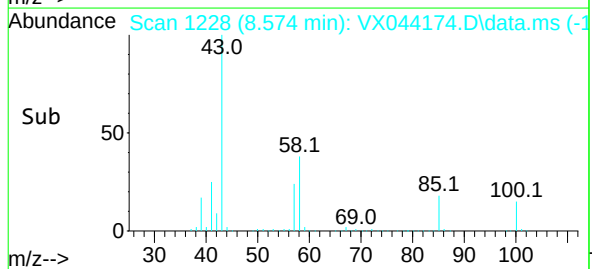
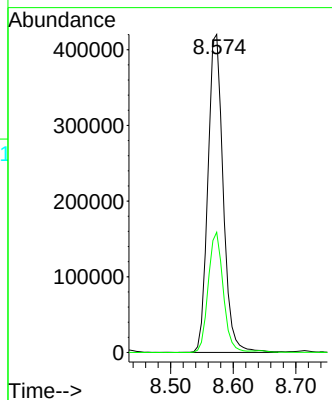
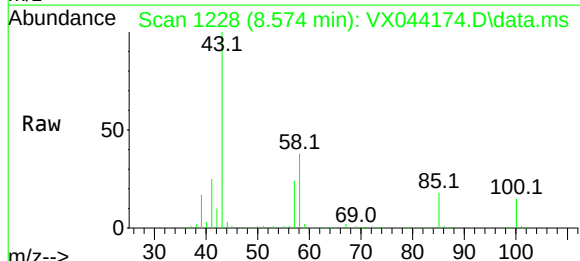
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#52

Toluene

Concen: 57.015 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044174.D

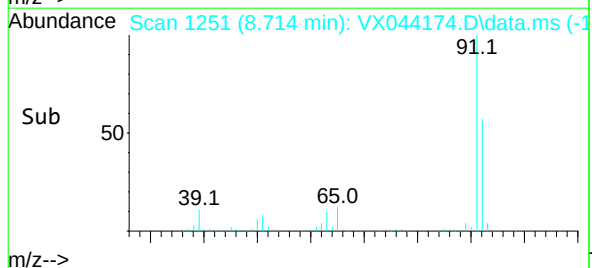
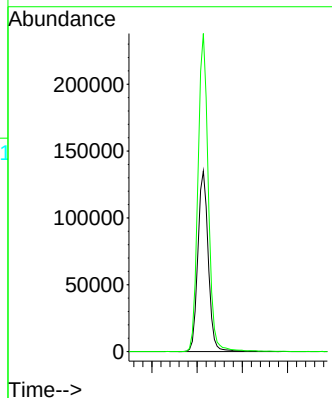
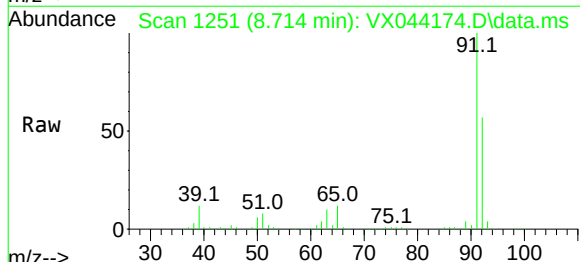
Acq: 09 Dec 2024 09:42

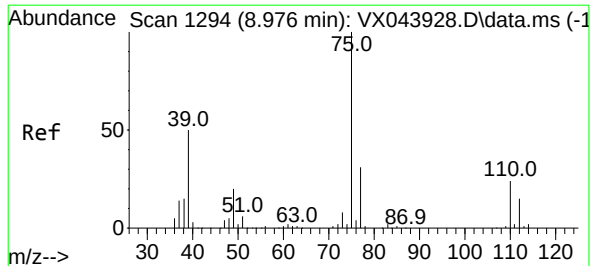
Tgt Ion: 92 Resp: 215112

Ion Ratio Lower Upper

92 100

91 174.8 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 60.514 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 135167

Ion Ratio Lower Upper

75 100

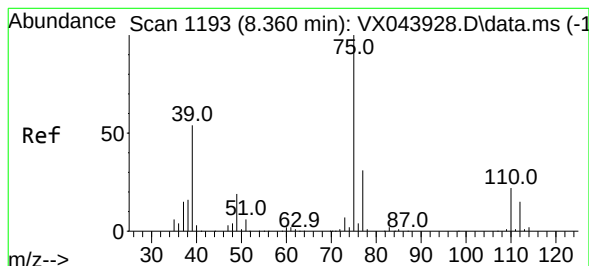
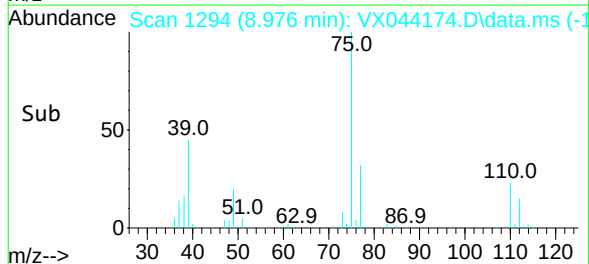
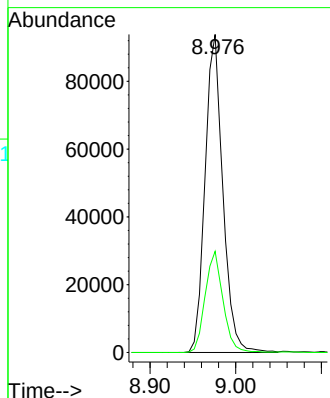
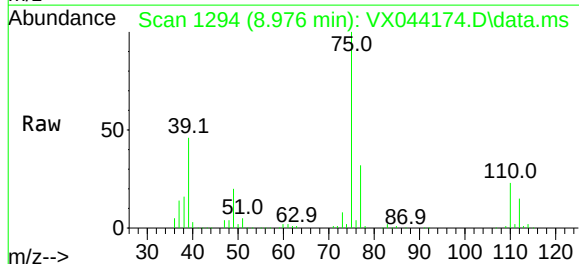
77 31.8 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#54

cis-1,3-Dichloropropene

Concen: 59.699 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

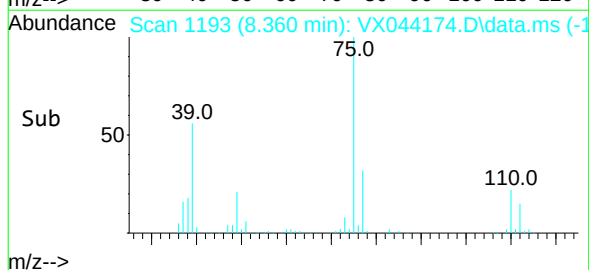
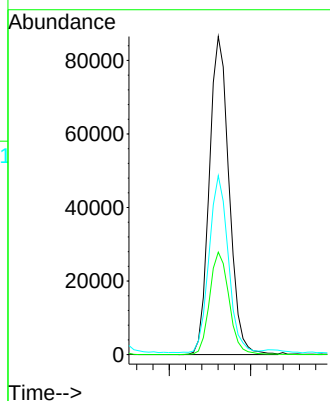
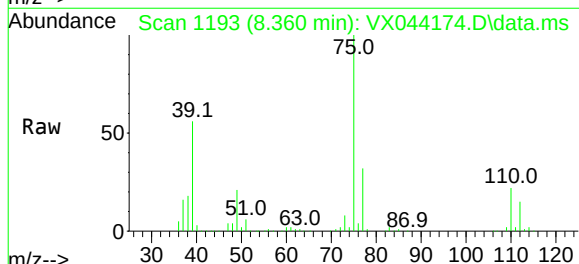
Tgt Ion: 75 Resp: 146180

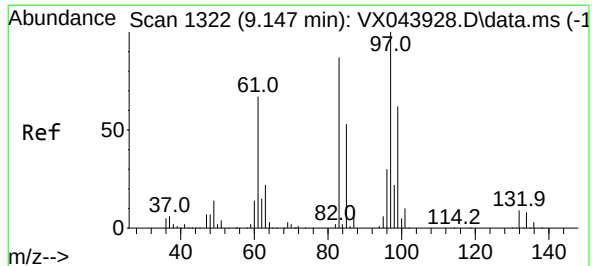
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 55.6 43.1 64.7





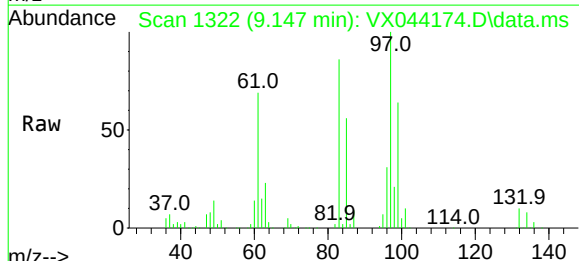
#55
1,1,2-Trichloroethane
Concen: 57.058 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

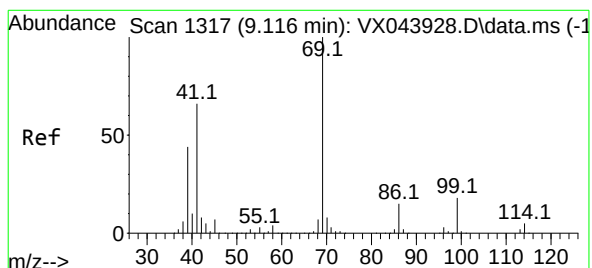
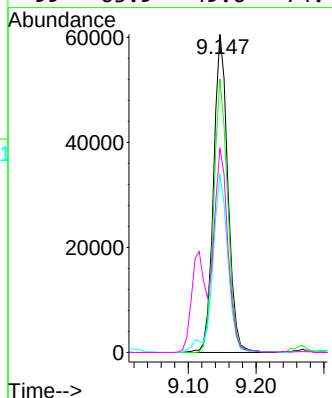
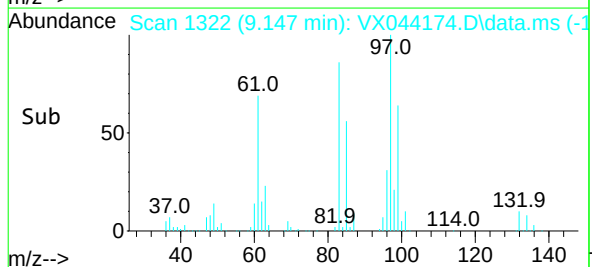
VSTDCCC050



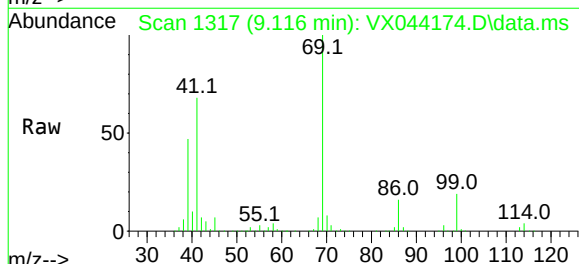
Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.4	104.0
85	55.9	42.3	63.5
99	63.9	49.6	74.4

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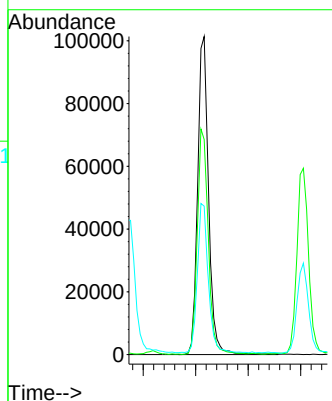
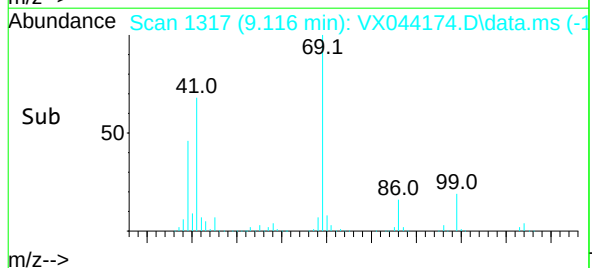
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

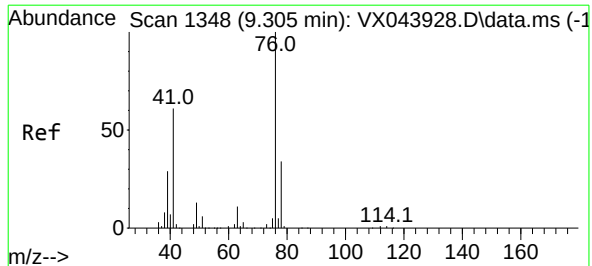


#56
Ethyl methacrylate
Concen: 60.237 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42



Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.8	83.8
39	47.0	36.7	55.1





#57
1,3-Dichloropropane
Concen: 58.519 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

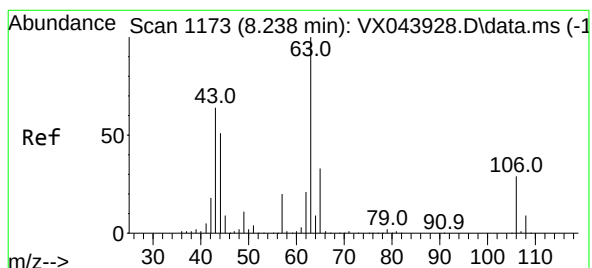
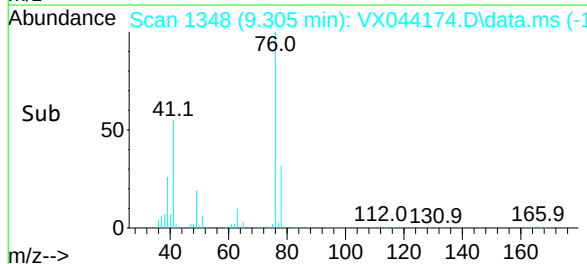
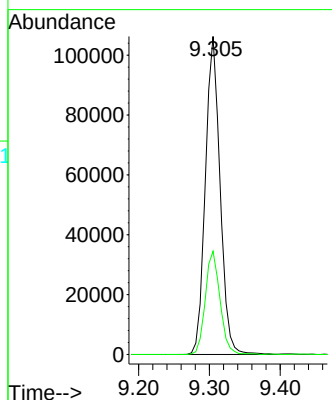
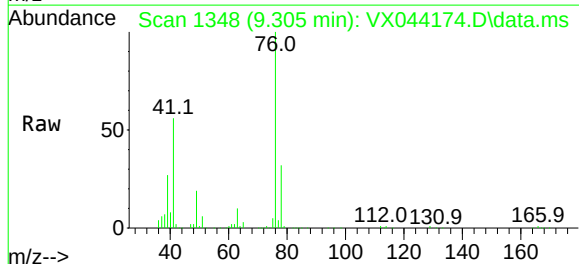
ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 153530
Ion Ratio Lower Upper
76 100
78 32.4 26.0 39.0

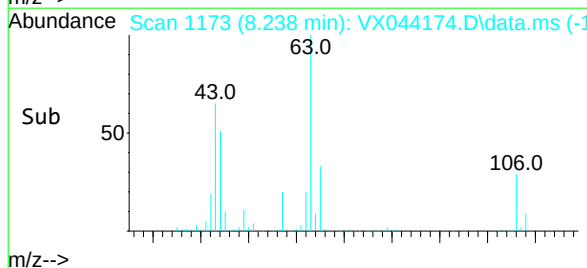
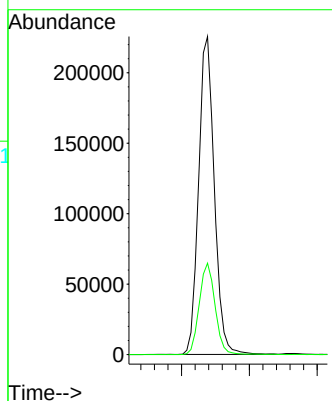
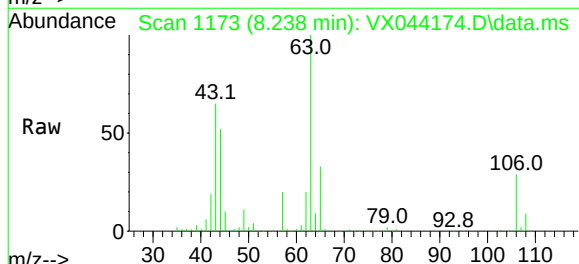
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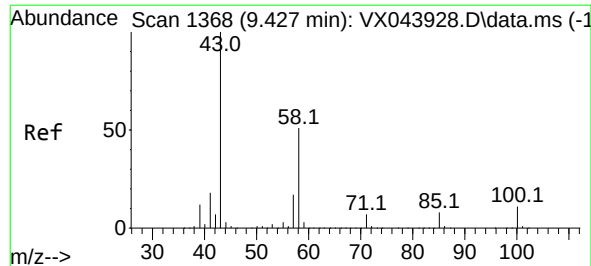
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#58
2-Chloroethyl Vinyl ether
Concen: 272.768 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 63 Resp: 362299
Ion Ratio Lower Upper
63 100
106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 296.330 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 543380

Ion Ratio Lower Upper

43 100

58 51.2 25.9 77.6

Instrument :

MSVOA_X

ClientSampleId :

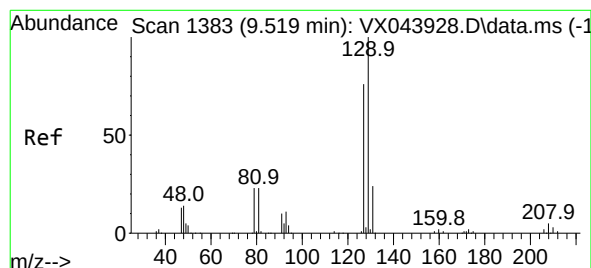
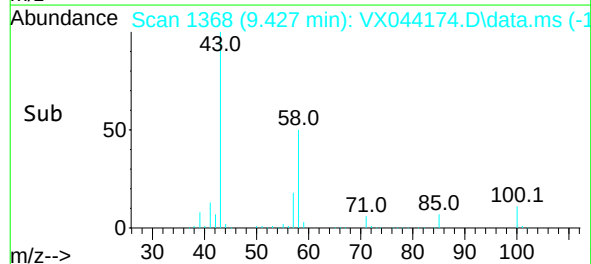
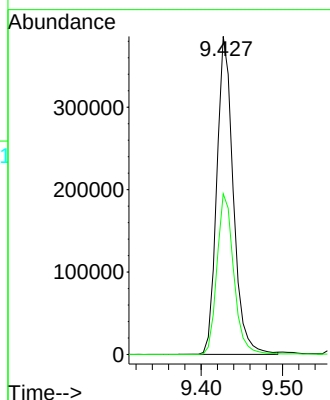
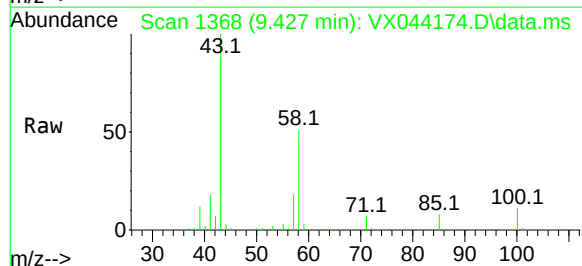
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#60

Dibromochloromethane

Concen: 63.187 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044174.D

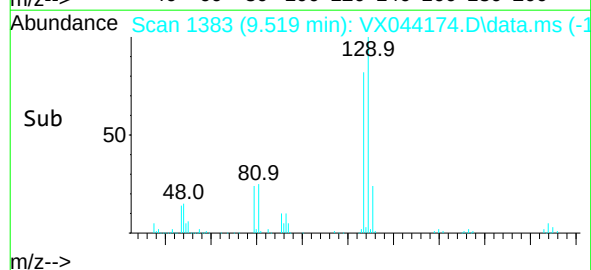
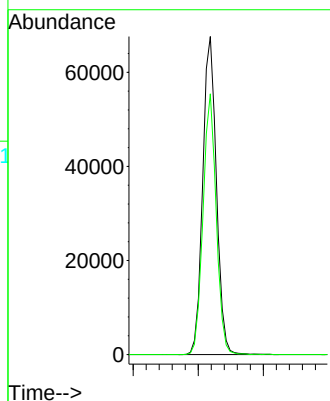
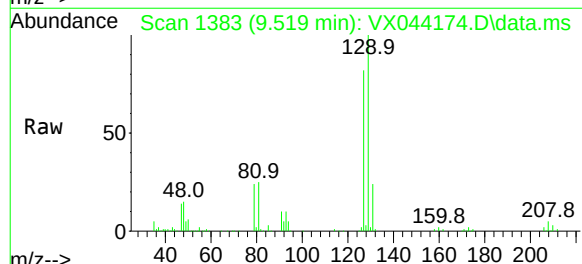
Acq: 09 Dec 2024 09:42

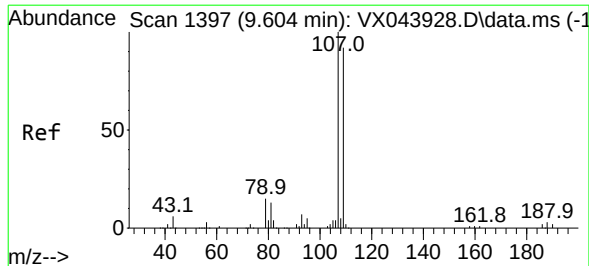
Tgt Ion:129 Resp: 98737

Ion Ratio Lower Upper

129 100

127 79.1 38.2 114.6





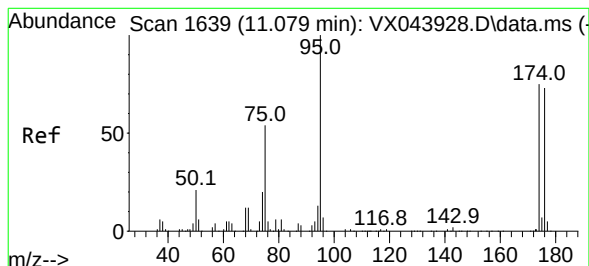
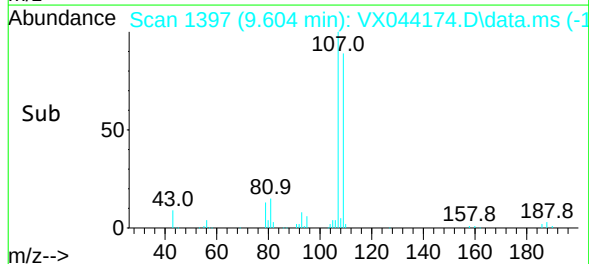
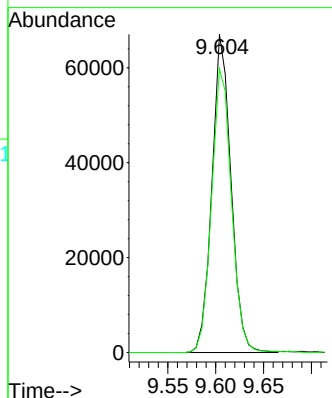
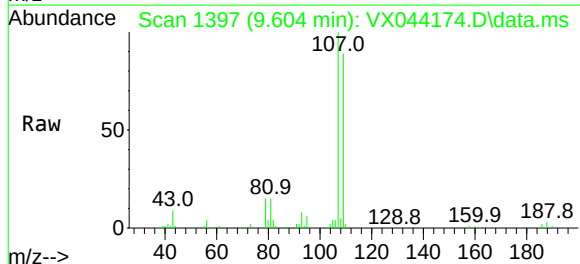
#61
1,2-Dibromoethane
Concen: 58.852 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 92681
Ion Ratio Lower Upper
107 100
109 93.4 75.2 112.8

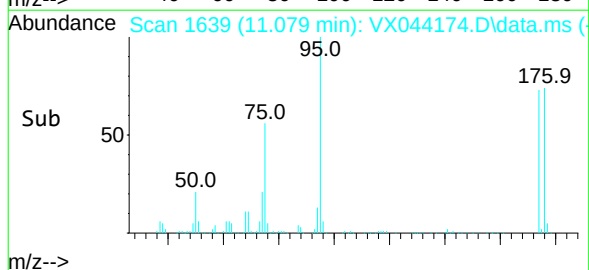
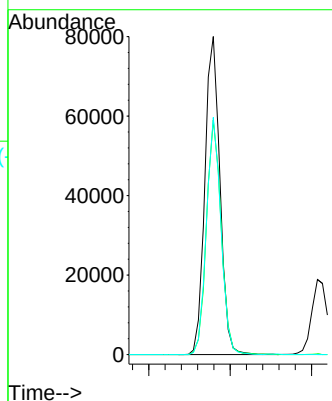
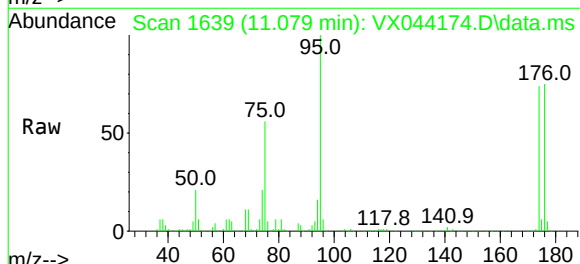
Manual Integrations
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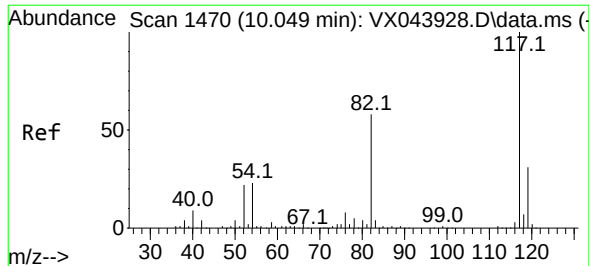
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#62
4-Bromofluorobenzene
Concen: 53.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 95 Resp: 102733
Ion Ratio Lower Upper
95 100
174 72.1 0.0 150.4
176 71.8 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 196952

Ion Ratio Lower Upper

117 100

82 58.6 46.4 69.6

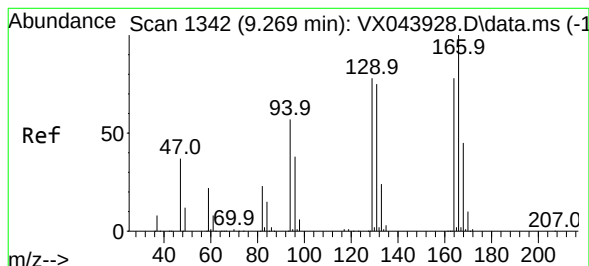
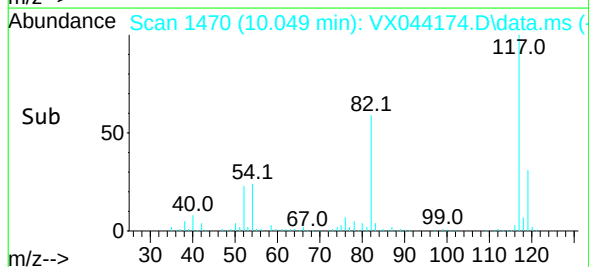
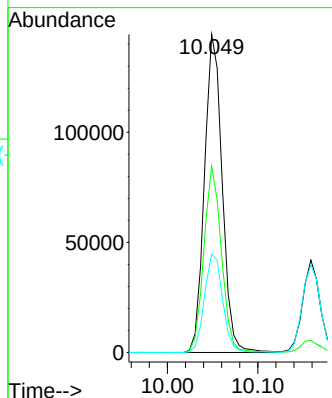
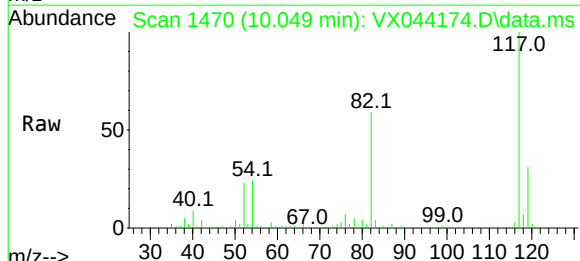
119 31.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#64

Tetrachloroethene

Concen: 56.432 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion:164 Resp: 73287

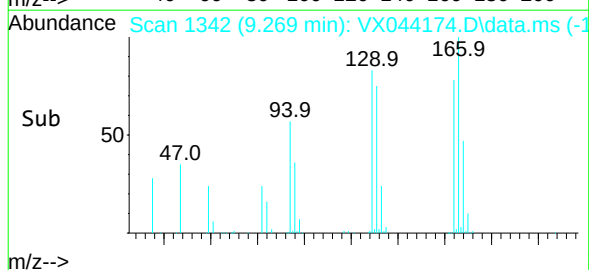
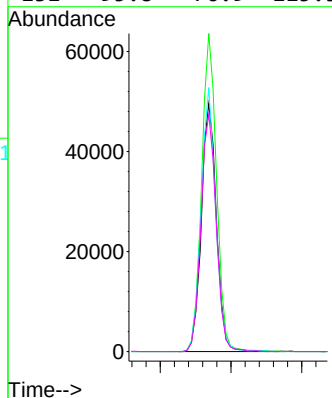
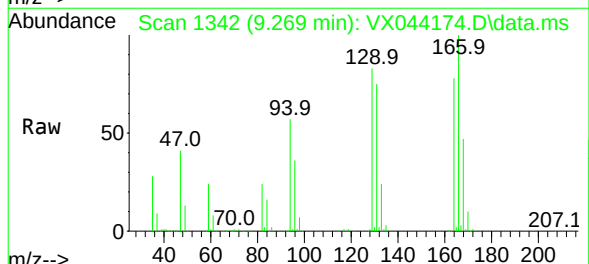
Ion Ratio Lower Upper

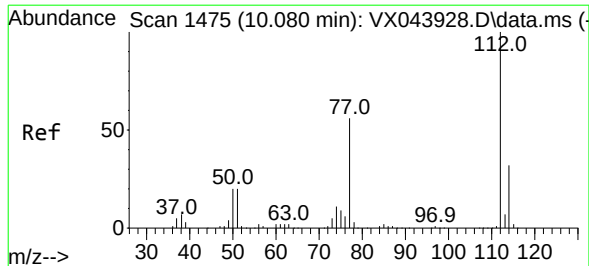
164 100

166 128.3 102.1 153.1

129 106.5 79.6 119.4

131 95.8 76.9 115.3





#65

Chlorobenzene

Concen: 54.997 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 237896

Ion Ratio Lower Upper

112 100

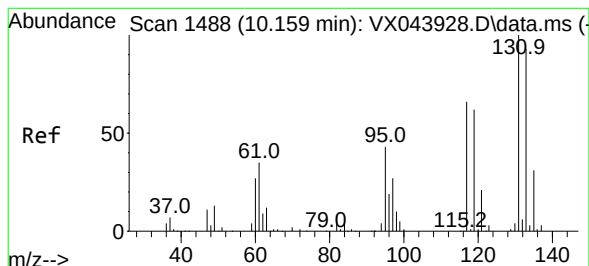
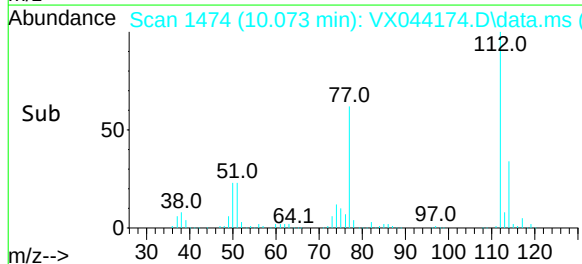
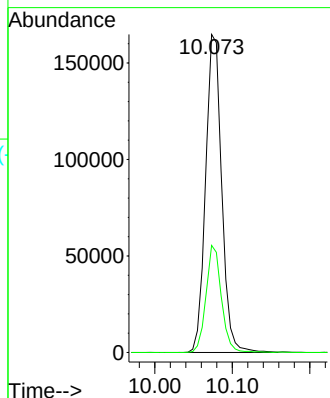
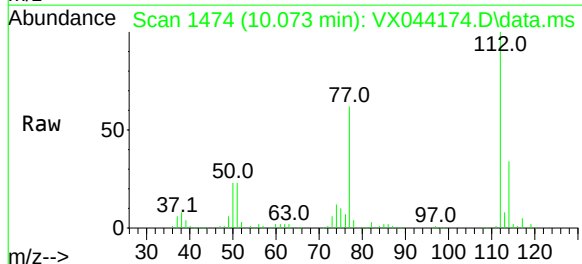
114 33.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 60.723 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

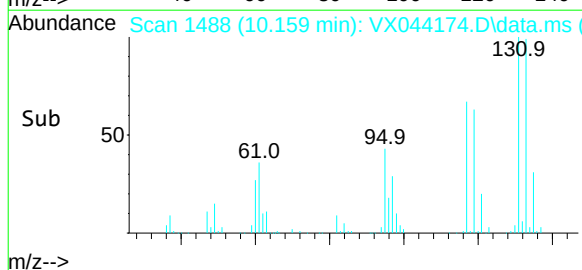
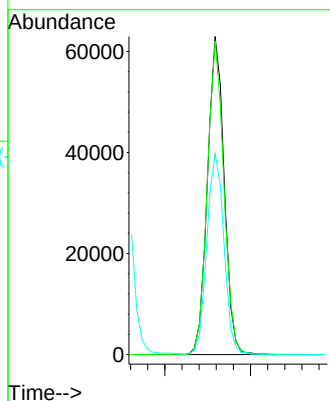
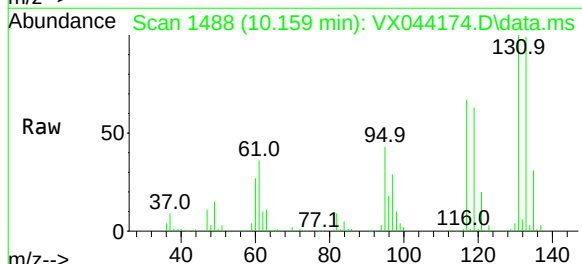
Tgt Ion:131 Resp: 85186

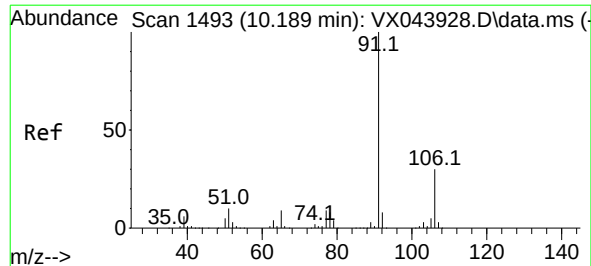
Ion Ratio Lower Upper

131 100

133 97.5 48.2 144.6

119 64.6 31.5 94.5





#67

Ethyl Benzene

Concen: 58.352 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 427705

Ion Ratio Lower Upper

91 100

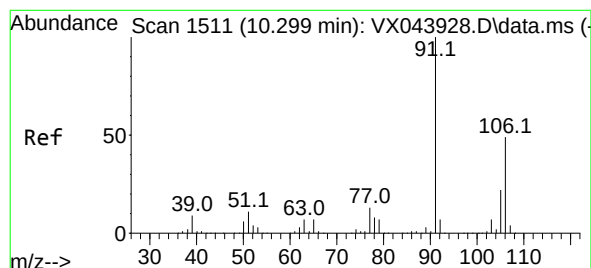
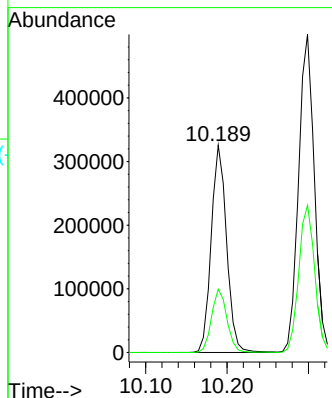
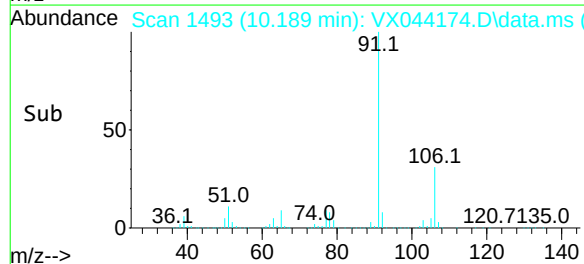
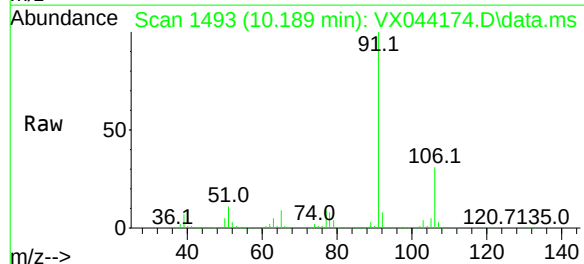
106 30.6 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 115.254 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044174.D

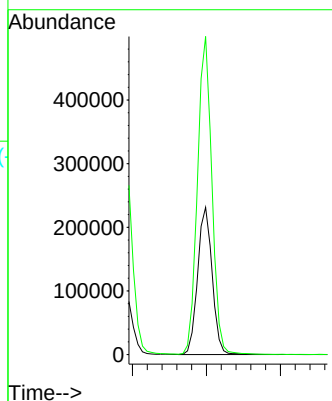
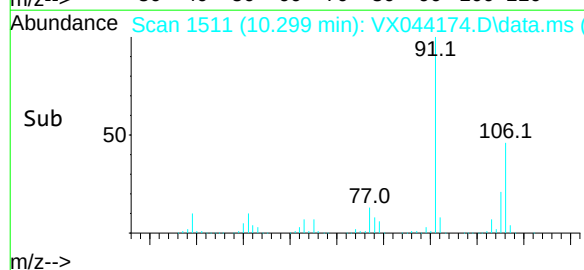
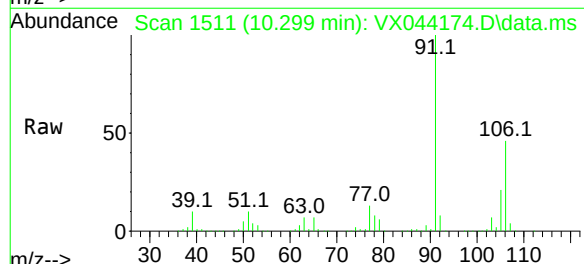
Acq: 09 Dec 2024 09:42

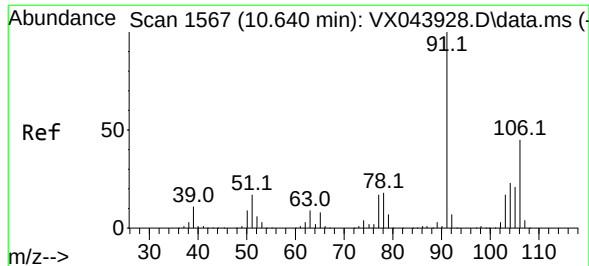
Tgt Ion:106 Resp: 315039

Ion Ratio Lower Upper

106 100

91 214.5 168.1 252.1





#69

o-Xylene

Concen: 59.412 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 158561

Ion Ratio Lower Upper

106 100

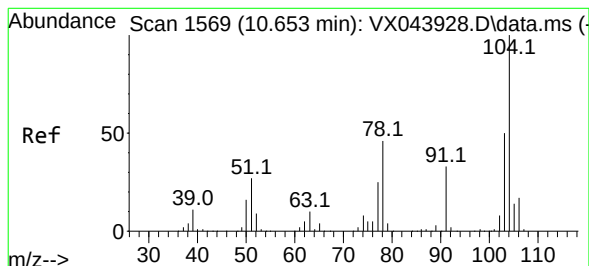
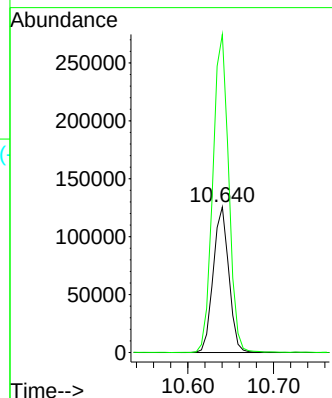
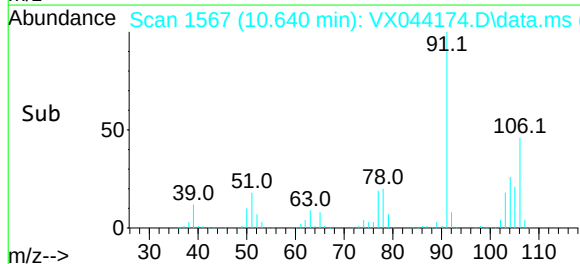
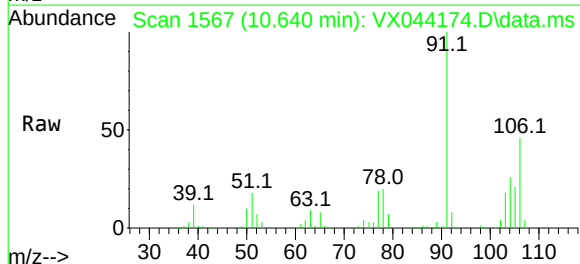
91 223.2 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 59.859 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

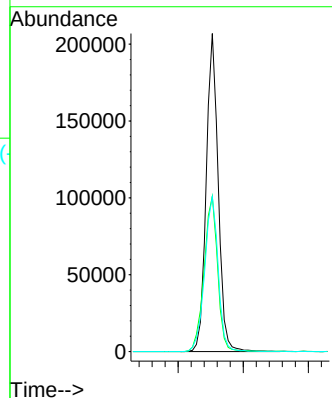
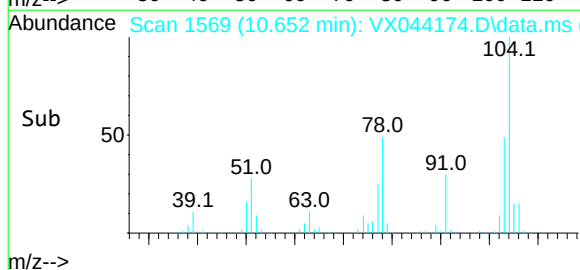
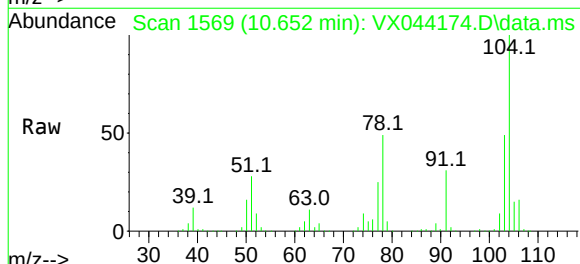
Tgt Ion:104 Resp: 264223

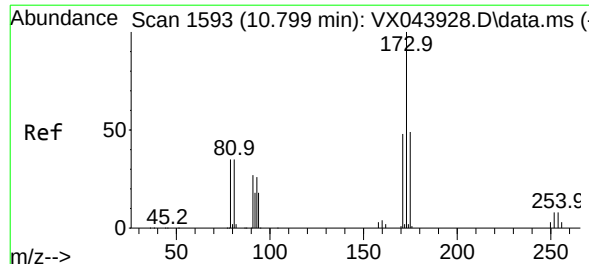
Ion Ratio Lower Upper

104 100

78 55.3 42.2 63.2

103 55.0 44.7 67.1





#71

Bromoform

Concen: 56.868 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

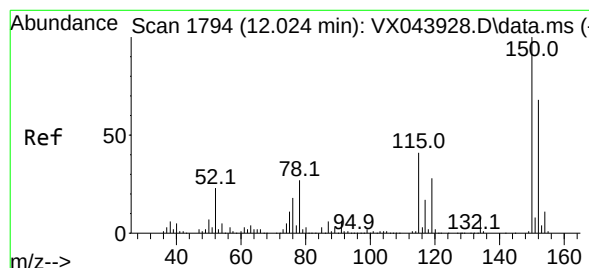
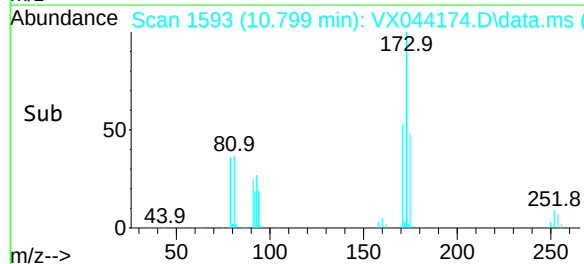
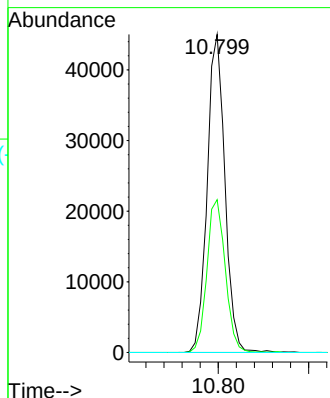
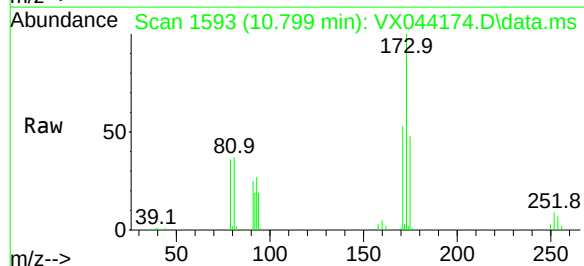
ClientSampleId :

VSTDCCC050

Tgt	Ion:173	Resp:	61264
Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

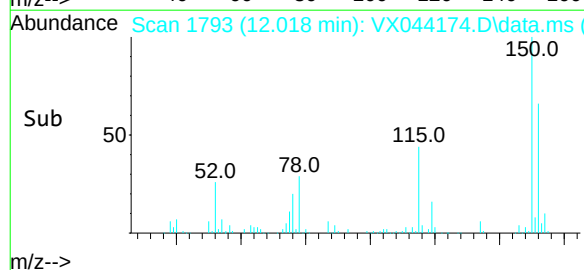
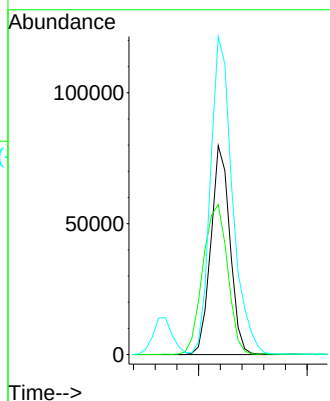
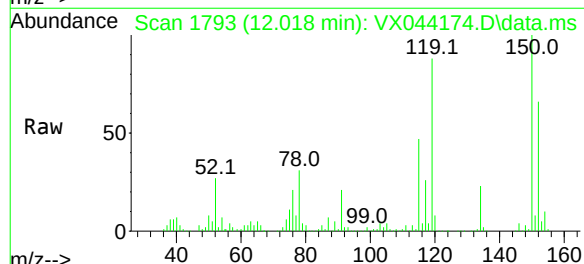
RT: 12.018 min Scan# 1793

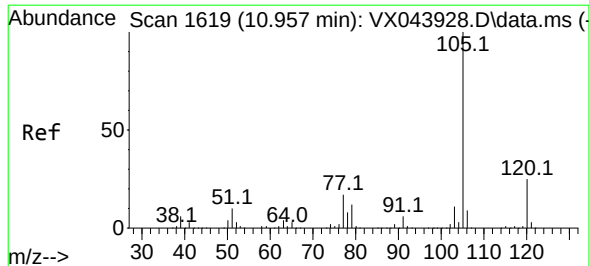
Delta R.T. -0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt	Ion:152	Resp:	97559
Ion	Ratio	Lower	Upper
152	100		
115	93.7	45.4	136.2
150	175.2	0.0	353.0





#73

Isopropylbenzene

Concen: 55.131 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 413444

Ion Ratio Lower Upper

105 100

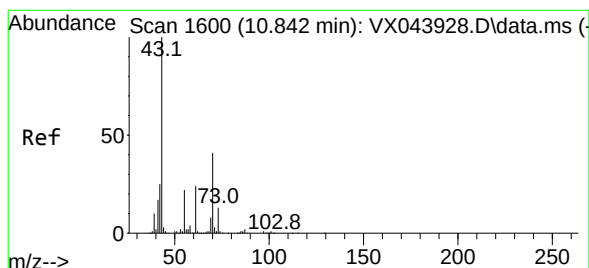
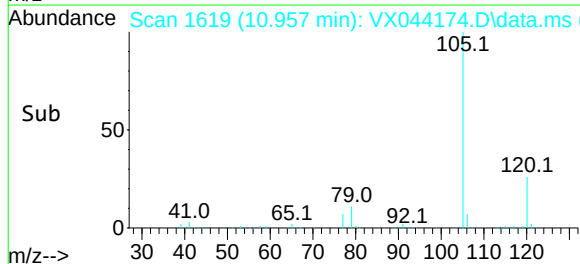
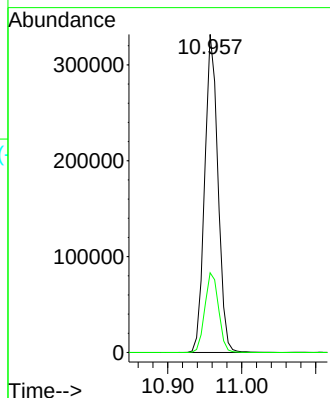
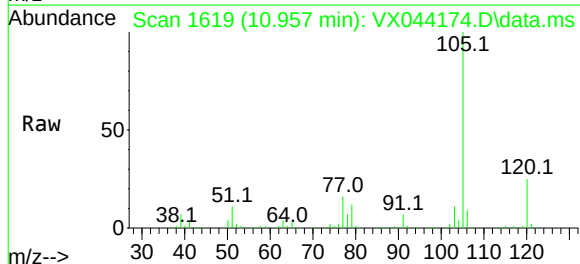
120 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 56.557 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 196483

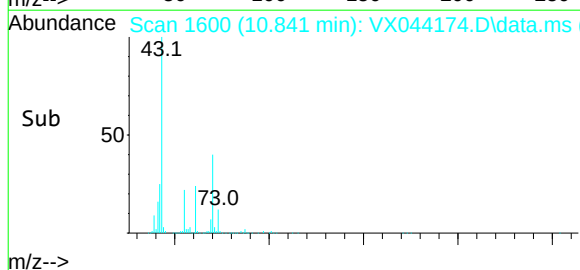
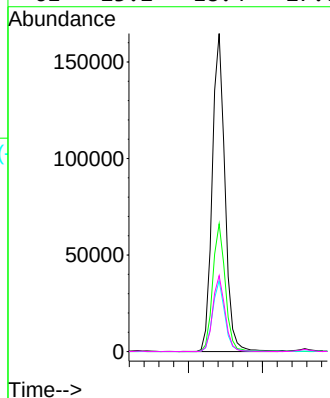
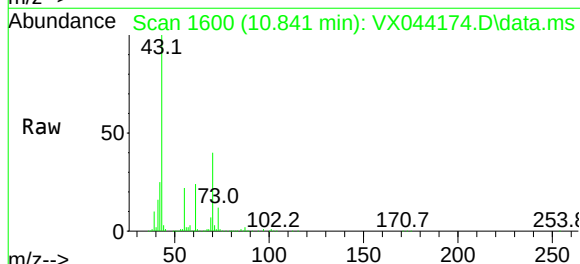
Ion Ratio Lower Upper

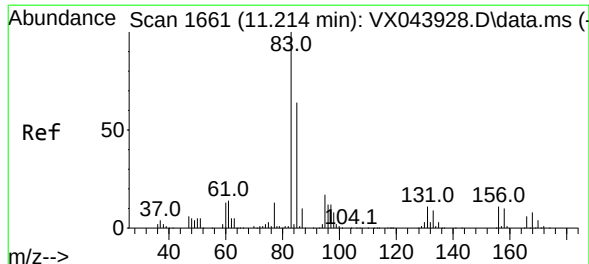
43 100

70 39.7 32.2 48.2

55 21.5 18.1 27.1

61 23.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.980 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

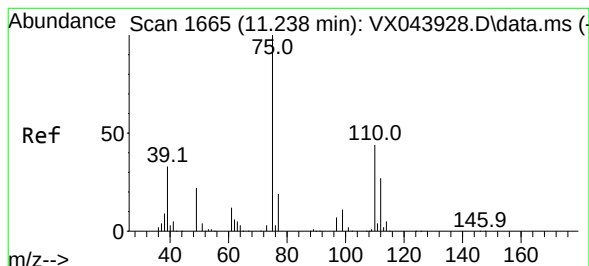
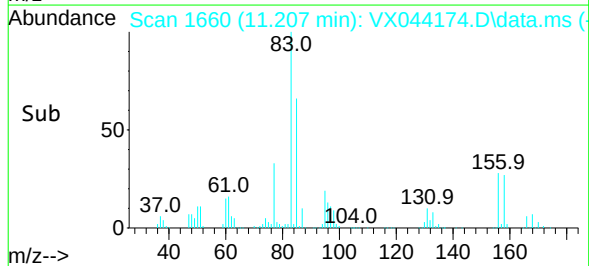
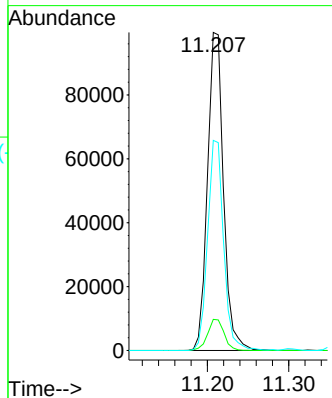
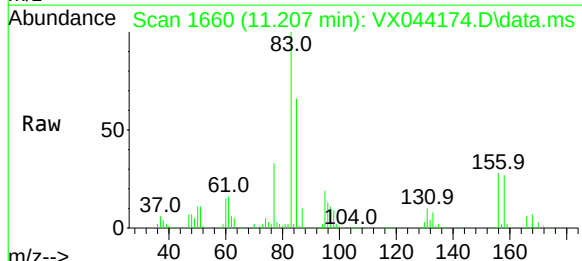
Tgt Ion:	83	Resp:	136043
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	66.0	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 55.113 ug/l m

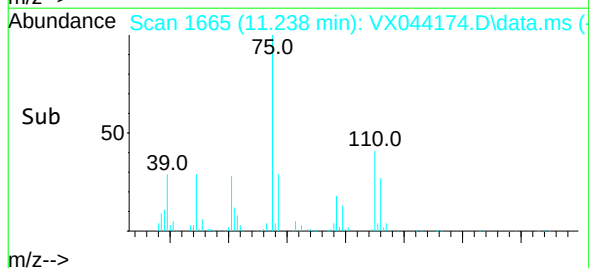
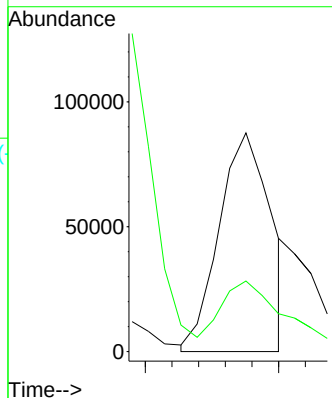
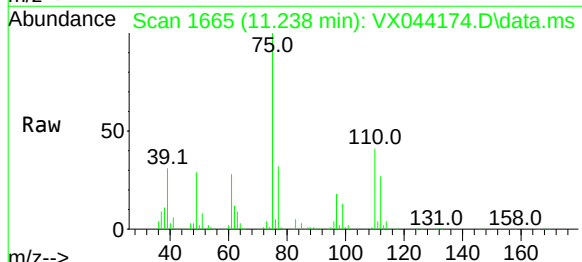
RT: 11.238 min Scan# 1665

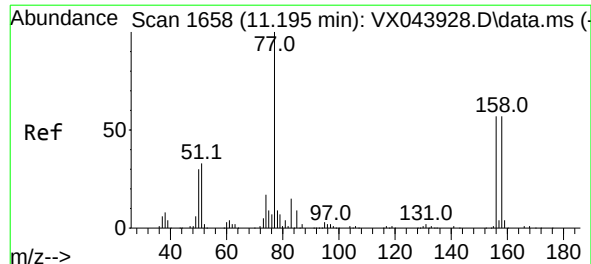
Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion:	75	Resp:	117911
Ion	Ratio	Lower	Upper
75	100		
77	41.4	21.8	65.3





#77

Bromobenzene

Concen: 54.572 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 97626

Ion Ratio Lower Upper

156 100

77 164.8 83.4 250.1

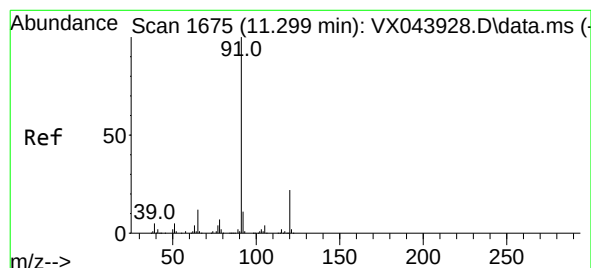
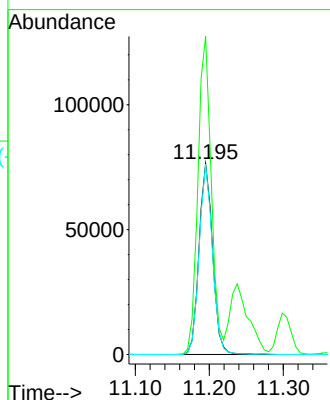
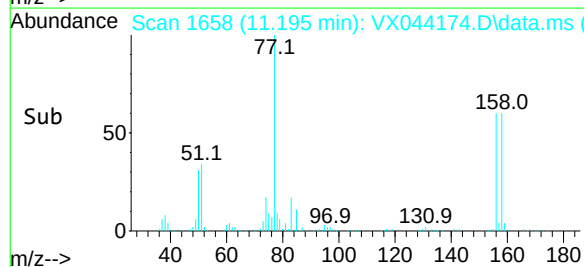
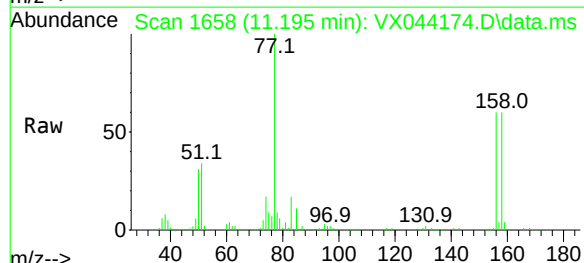
158 97.9 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#78

n-propylbenzene

Concen: 57.544 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044174.D

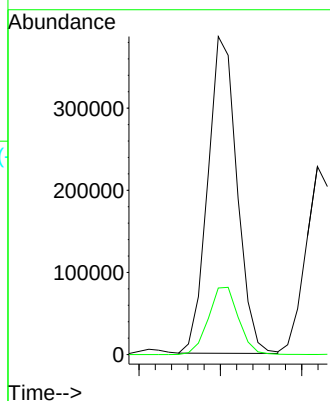
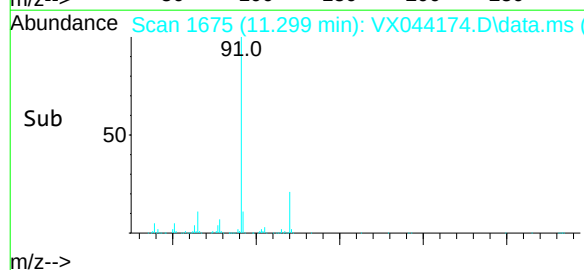
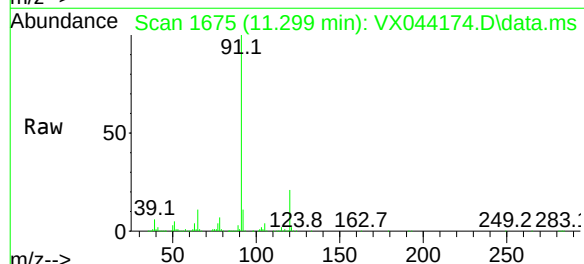
Acq: 09 Dec 2024 09:42

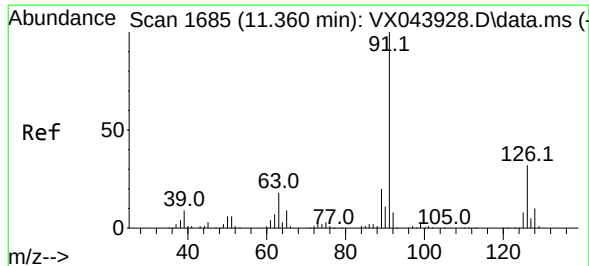
Tgt Ion: 91 Resp: 481969

Ion Ratio Lower Upper

91 100

120 22.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 54.387 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 288045

Ion Ratio Lower Upper

91 100

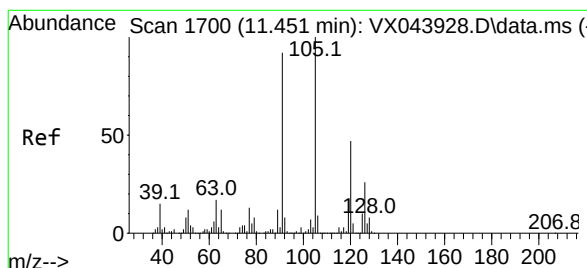
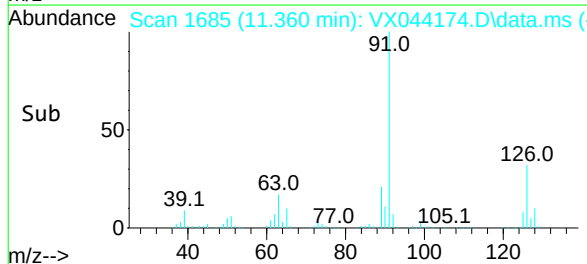
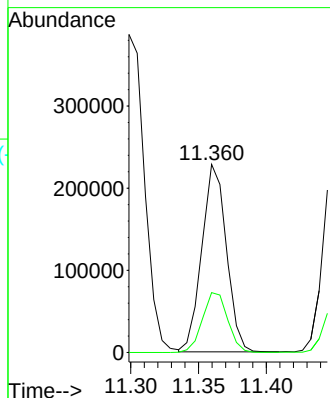
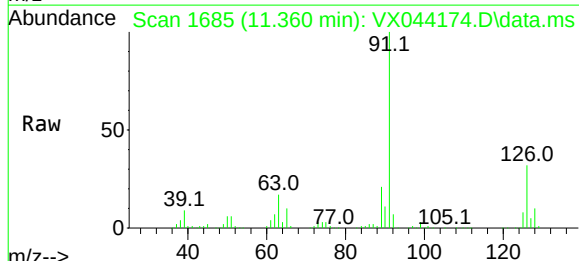
126 32.9 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 56.047 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044174.D

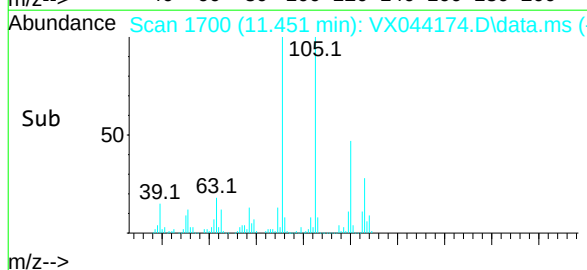
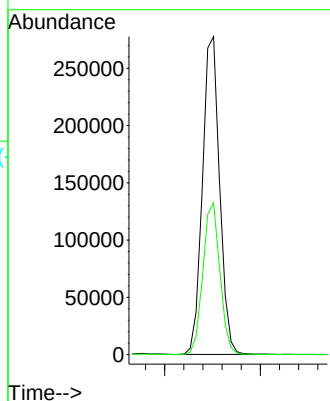
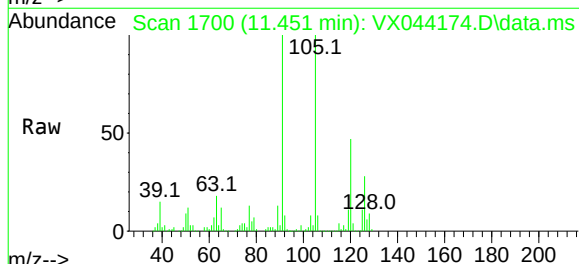
Acq: 09 Dec 2024 09:42

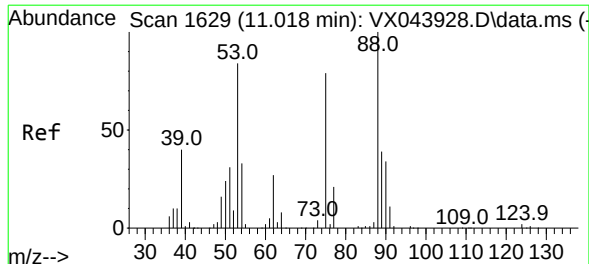
Tgt Ion:105 Resp: 345791

Ion Ratio Lower Upper

105 100

120 47.4 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.171 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 42472

Ion Ratio Lower Upper

75 100

53 114.4 86.7 130.1

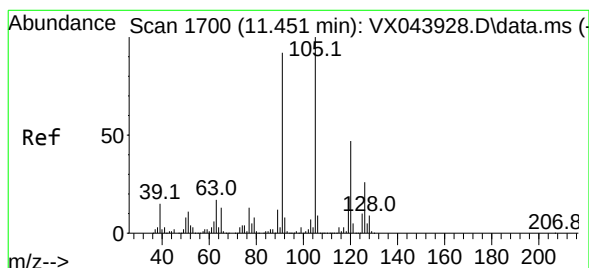
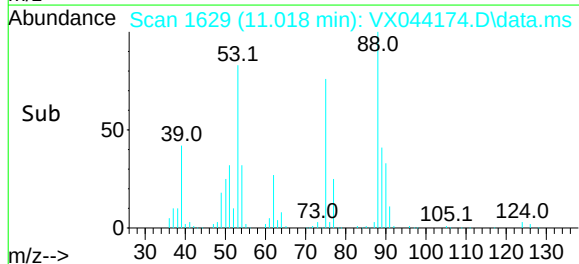
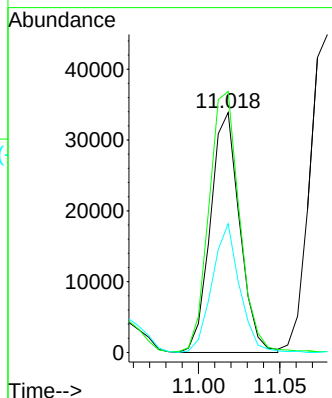
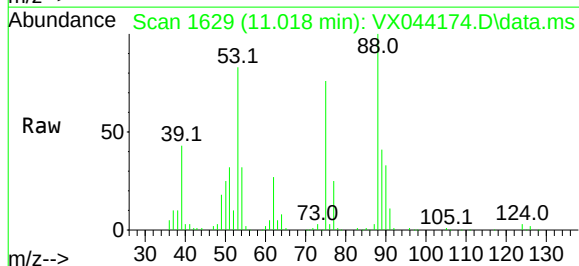
89 50.5 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#82

4-Chlorotoluene

Concen: 55.701 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044174.D

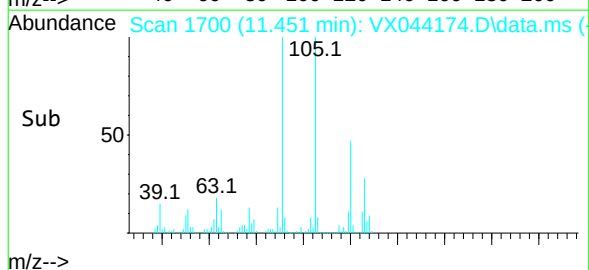
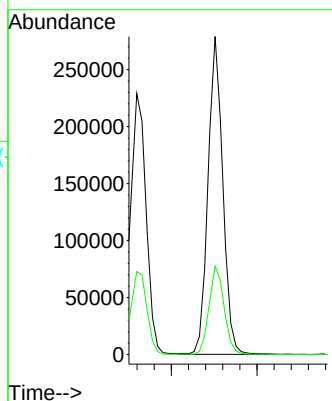
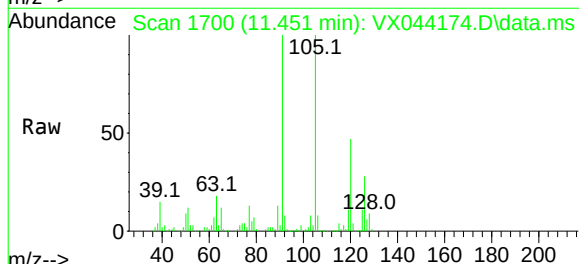
Acq: 09 Dec 2024 09:42

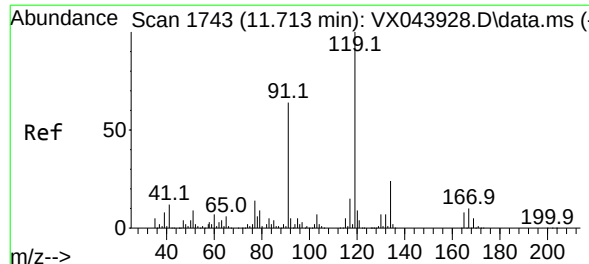
Tgt Ion: 91 Resp: 333051

Ion Ratio Lower Upper

91 100

126 28.7 14.3 42.9





#83

tert-Butylbenzene

Concen: 57.848 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 353753

Ion Ratio Lower Upper

119 100

91 60.8 31.0 93.0

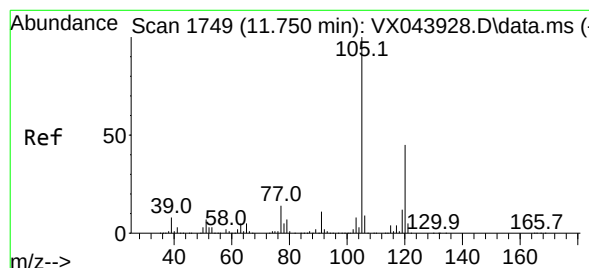
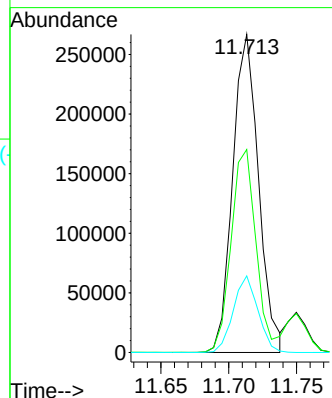
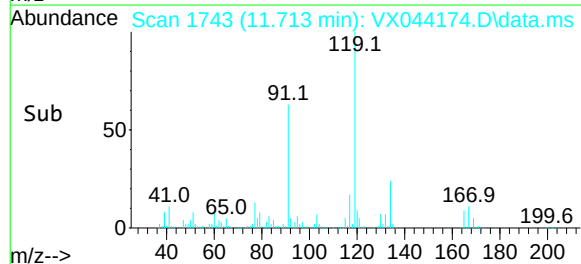
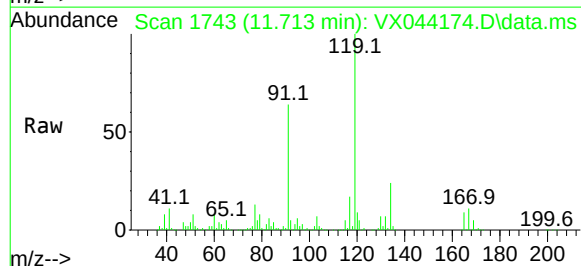
134 22.9 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 57.161 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044174.D

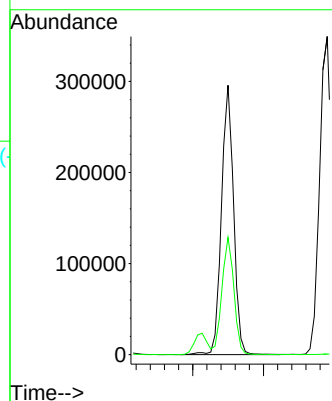
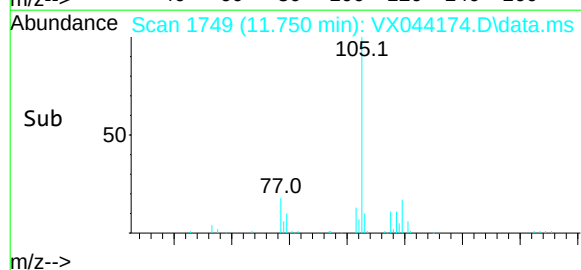
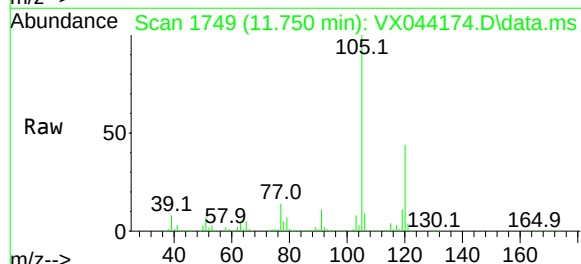
Acq: 09 Dec 2024 09:42

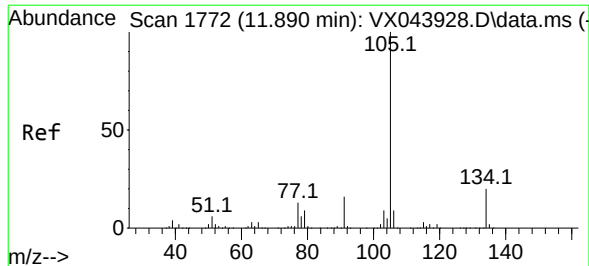
Tgt Ion:105 Resp: 351113

Ion Ratio Lower Upper

105 100

120 42.9 21.9 65.7





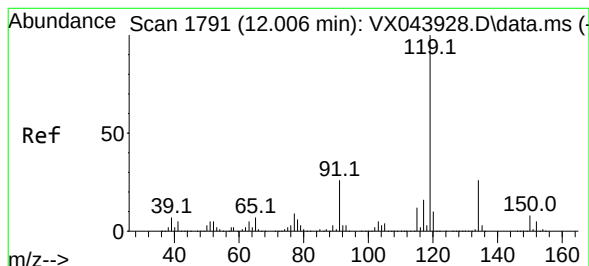
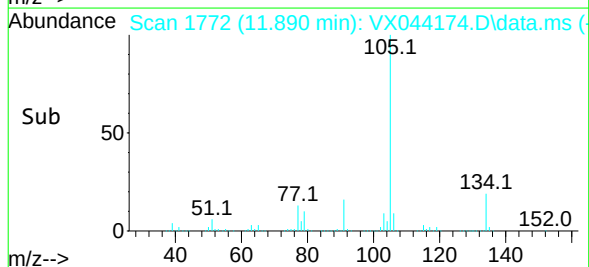
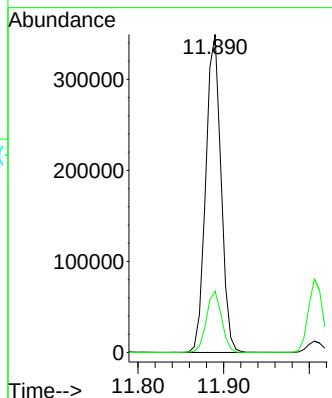
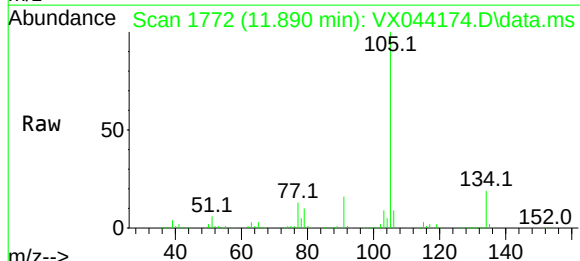
#85
sec-Butylbenzene
Concen: 57.559 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 431266
Ion Ratio Lower Upper
105 100
134 19.3 9.7 29.1

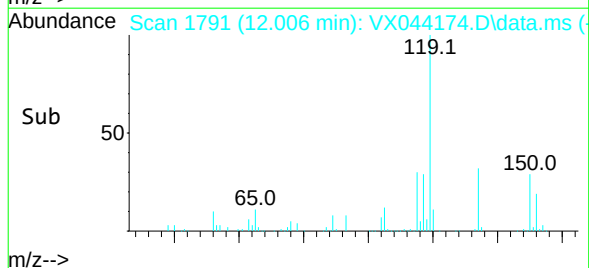
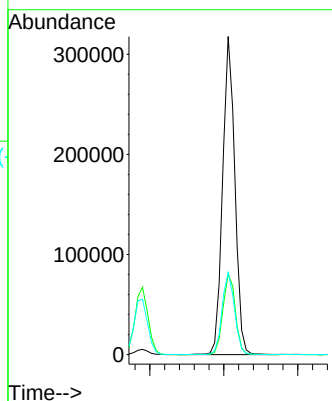
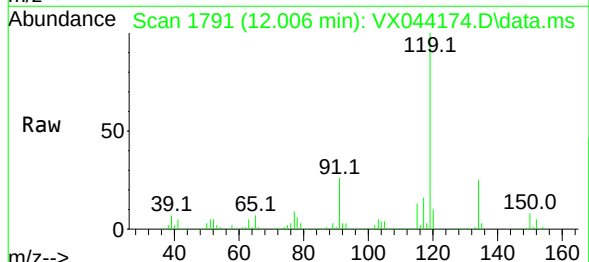
Manual Integrations
APPROVED

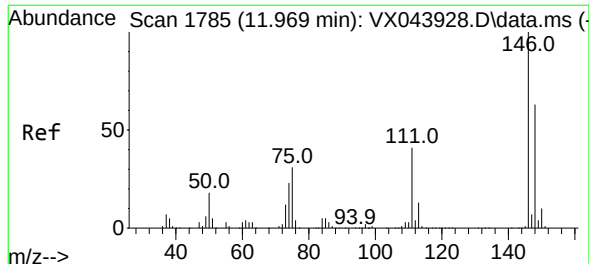
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#86
p-Isopropyltoluene
Concen: 59.908 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:119 Resp: 364608
Ion Ratio Lower Upper
119 100
134 25.7 13.0 38.9
91 26.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 54.794 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion:146 Resp: 178533

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.3

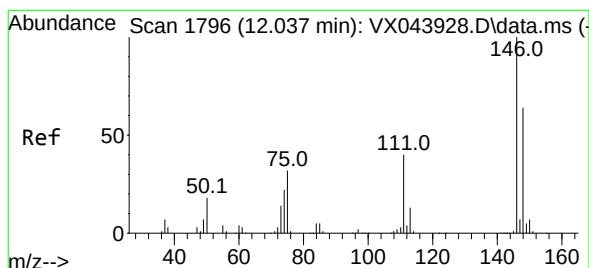
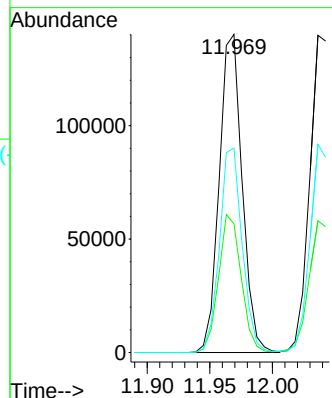
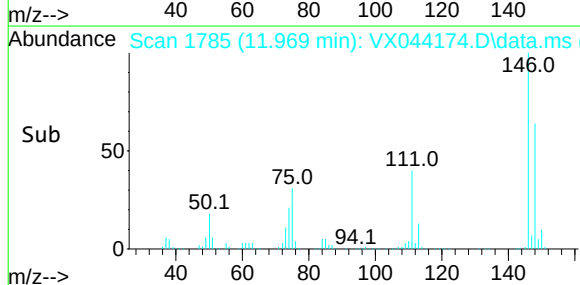
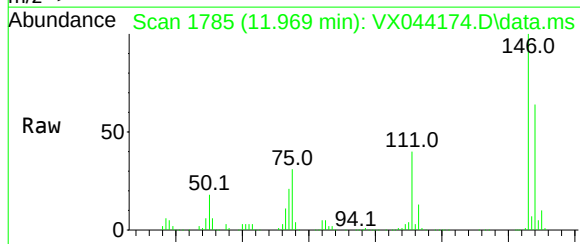
148 63.6 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

Concen: 54.031 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

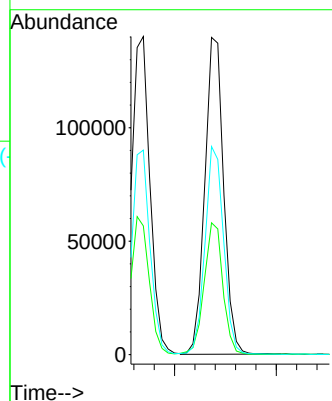
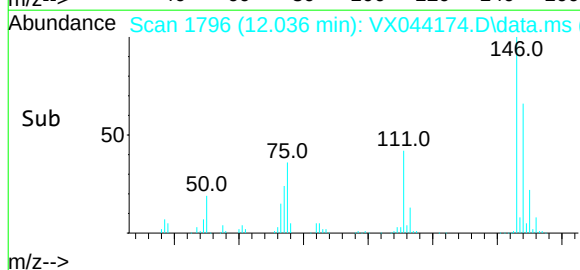
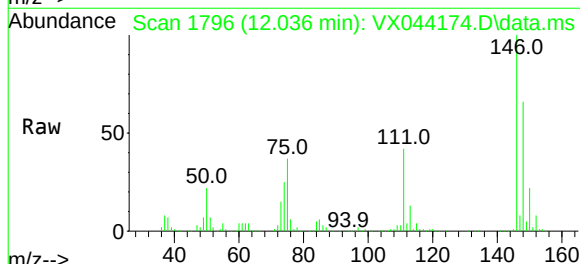
Tgt Ion:146 Resp: 179485

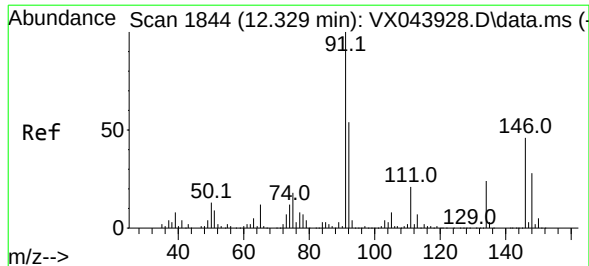
Ion Ratio Lower Upper

146 100

111 41.3 20.1 60.3

148 64.8 30.9 92.8





#89

n-Butylbenzene

Concen: 61.157 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 328165

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

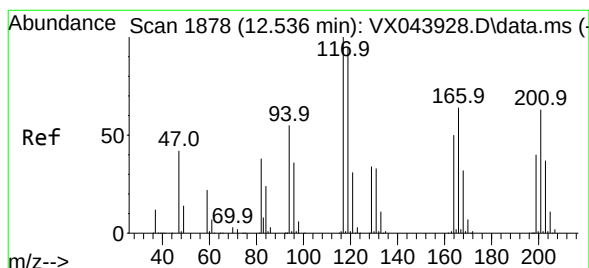
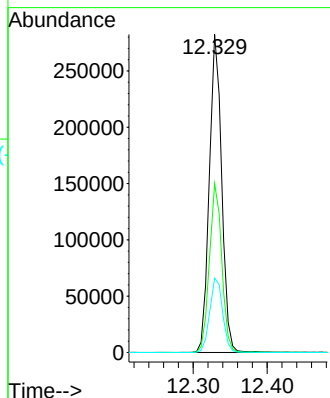
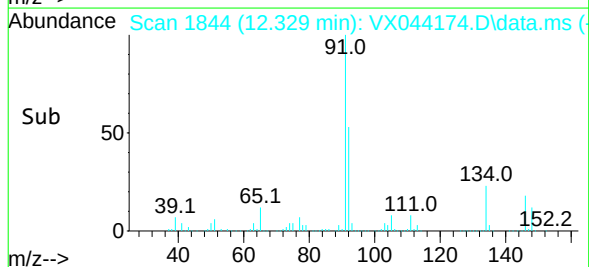
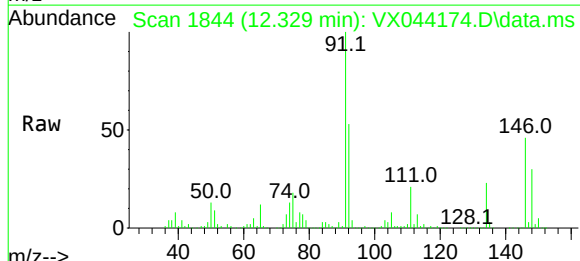
134 24.4 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#90

Hexachloroethane

Concen: 58.597 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044174.D

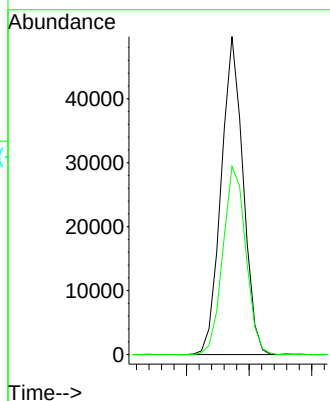
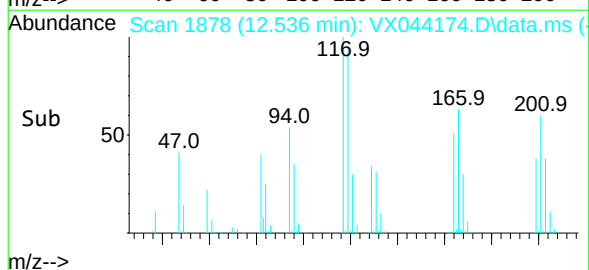
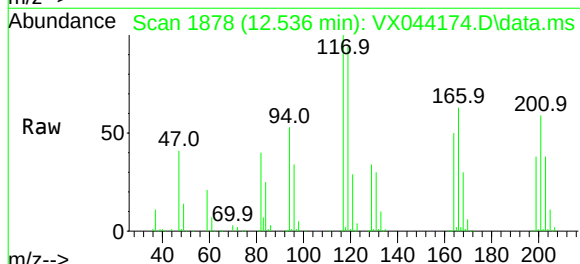
Acq: 09 Dec 2024 09:42

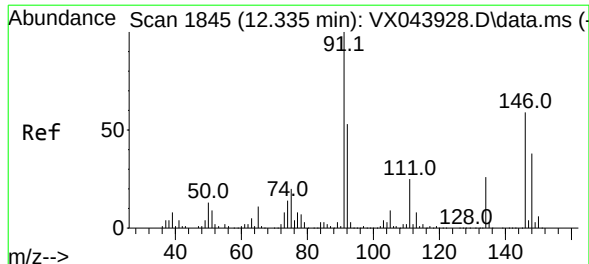
Tgt Ion:117 Resp: 60642

Ion Ratio Lower Upper

117 100

201 61.8 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 55.006 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 146 Resp: 180867

Ion Ratio Lower Upper

146 100

111 43.6 21.5 64.5

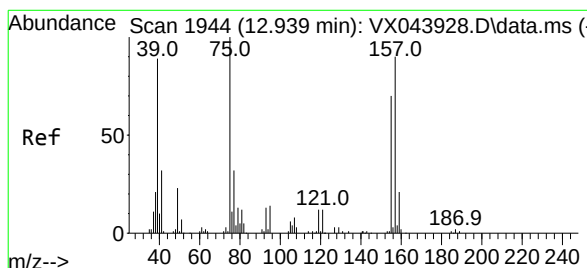
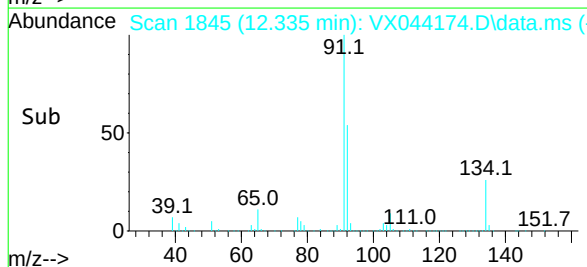
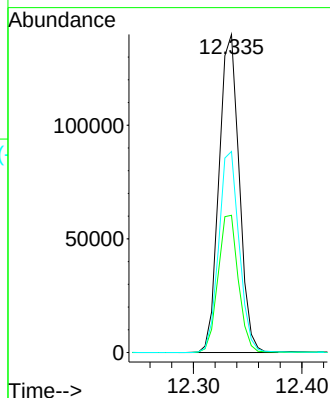
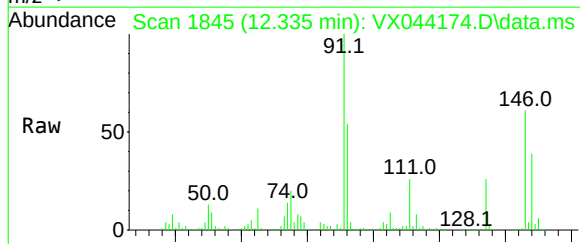
148 64.2 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.476 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

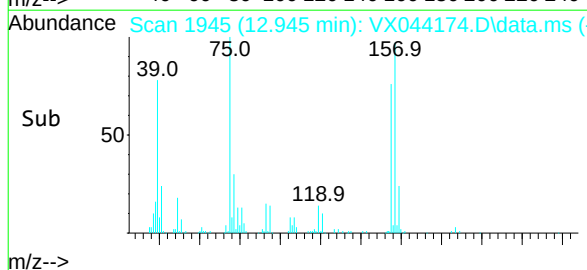
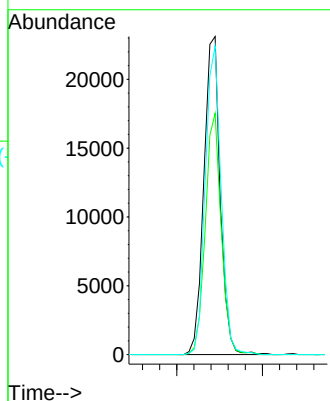
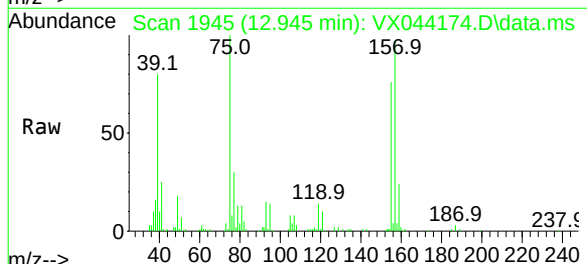
Tgt Ion: 75 Resp: 30602

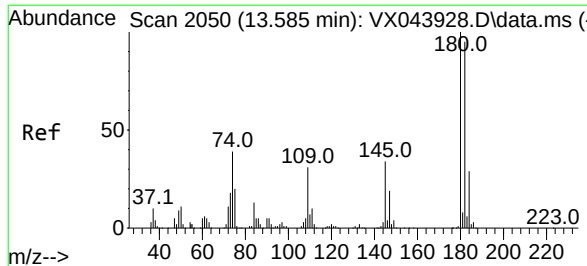
Ion Ratio Lower Upper

75 100

155 73.8 40.1 120.2

157 93.9 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 55.987 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

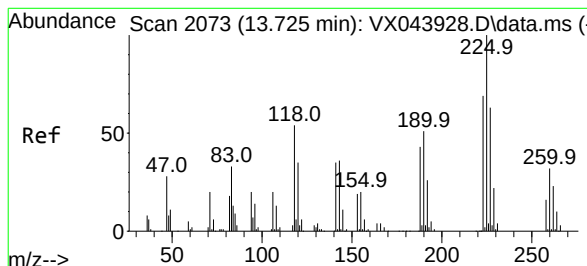
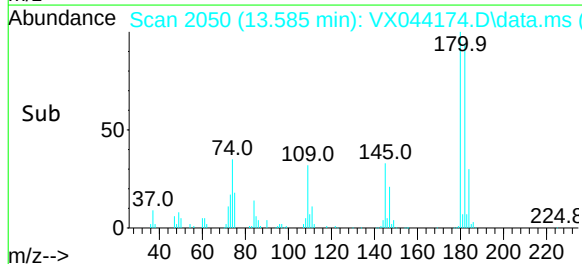
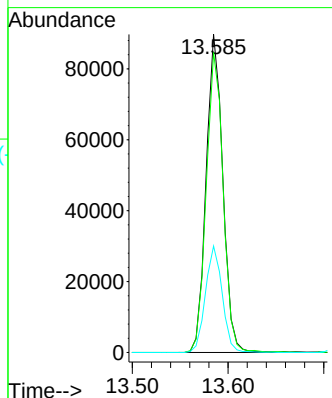
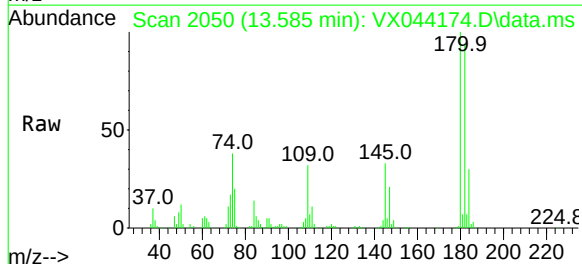
ClientSampleId :

VSTDCCC050

Tgt Ion:	180	Resp:	108534
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.2
145	33.8	16.8	50.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#94

Hexachlorobutadiene

Concen: 56.671 ug/l

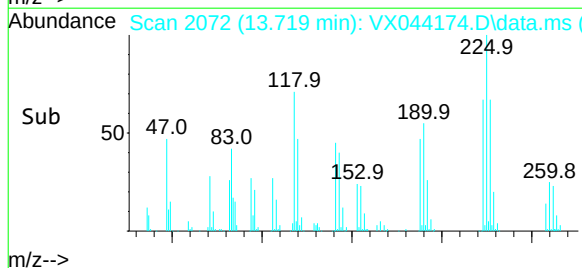
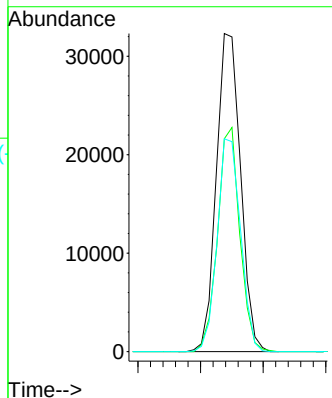
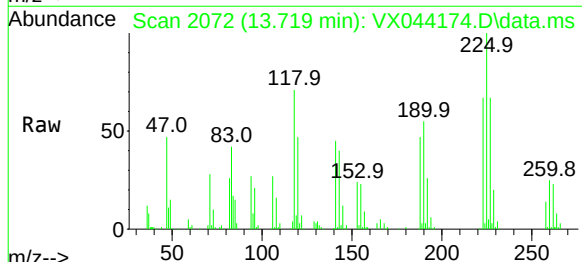
RT: 13.719 min Scan# 2072

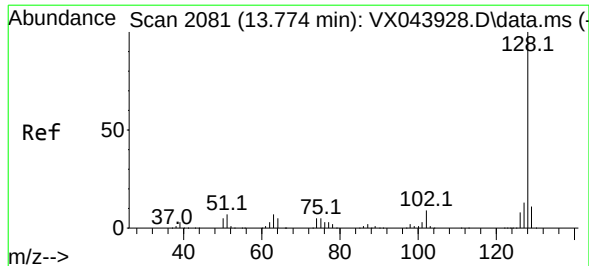
Delta R.T. -0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Tgt Ion:	225	Resp:	43419
Ion Ratio	Lower	Upper	
225	100		
223	64.8	32.9	98.6
227	64.7	31.6	94.8





#95

Naphthalene

Concen: 58.075 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 405265

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

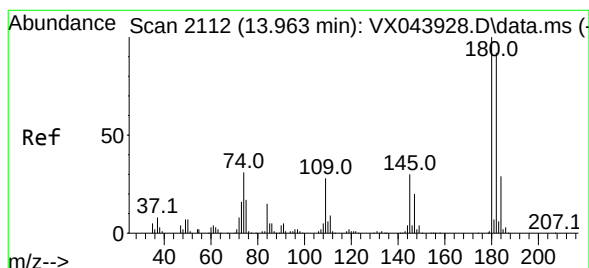
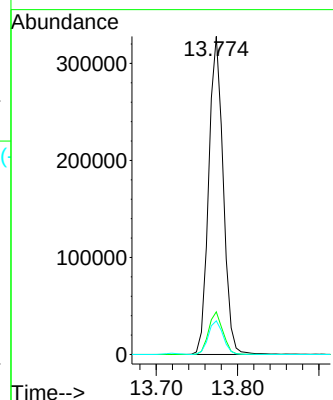
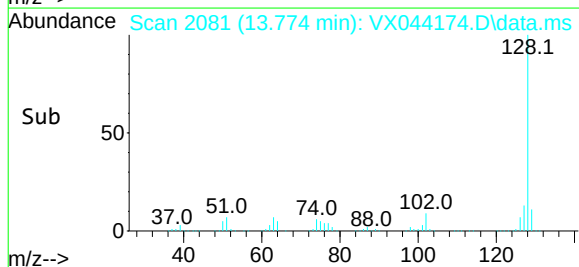
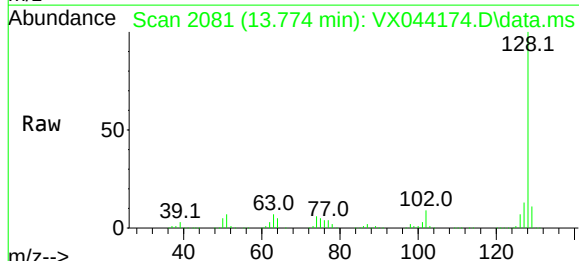
129 10.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 56.138 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

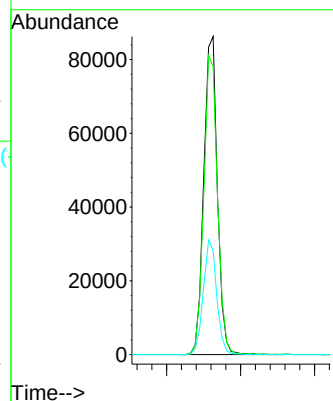
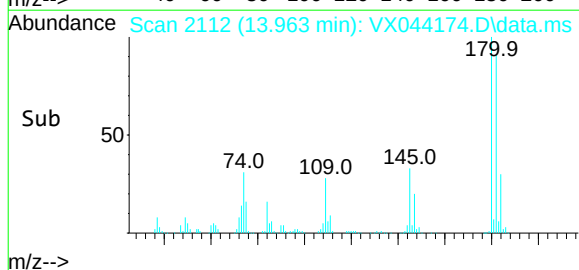
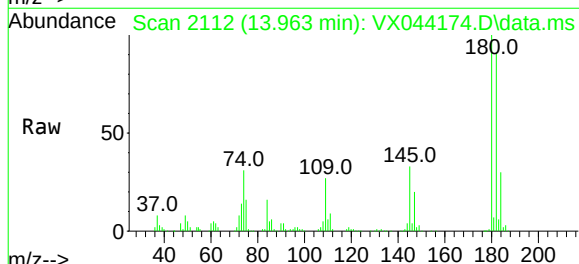
Tgt Ion:180 Resp: 110149

Ion Ratio Lower Upper

180 100

182 94.8 45.6 136.8

145 35.4 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	93	0.00
2 T	Dichlorodifluoromethane	0.633	0.610	3.6	83	0.00
3 P	Chloromethane	0.667	0.648	2.8	86	0.00
4 C	Vinyl Chloride	0.709	0.724	-2.1#	88	0.00
5 T	Bromomethane	0.436	0.494	-13.3	103	0.00
6 T	Chloroethane	0.432	0.500	-15.7	101	0.00
7 T	Trichlorofluoromethane	1.268	1.627	-28.3#	111	0.00
8 T	Diethyl Ether	0.462	0.499	-8.0	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.671	-10.9	95	0.00
10 T	Methyl Iodide	0.755	0.834	-10.5	96	0.00
11 T	Tert butyl alcohol	0.138	0.138	0.0	89	0.00
12 CM	1,1-Dichloroethene	0.576	0.615	-6.8#	95	0.00
13 T	Acrolein	0.145	0.106	26.9#	68	0.00
14 T	Allyl chloride	0.941	1.055	-12.1	94	0.00
15 T	Acrylonitrile	0.335	0.366	-9.3	92	0.00
16 T	Acetone	0.394	0.454	-15.2	99	0.00
17 T	Carbon Disulfide	1.188	1.224	-3.0	88	0.00
18 T	Methyl Acetate	0.917	0.987	-7.6	93	0.00
19 T	Methyl tert-butyl Ether	2.092	2.437	-16.5	100	0.00
20 T	Methylene Chloride	0.668	0.701	-4.9	98	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.641	-7.7	94	0.00
22 T	Diisopropyl ether	2.013	2.304	-14.5	99	0.00
23 T	Vinyl Acetate	1.722	2.008	-16.6	96	0.00
24 P	1,1-Dichloroethane	1.161	1.300	-12.0	96	0.00
25 T	2-Butanone	0.508	0.578	-13.8	95	0.00
26 T	2,2-Dichloropropane	1.049	1.203	-14.7	98	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.807	-9.8	95	0.00
28 T	Bromochloromethane	0.511	0.481	5.9	99	0.00
29 T	Tetrahydrofuran	0.312	0.332	-6.4	91	0.00
30 C	Chloroform	1.249	1.399	-12.0#	99	0.00
31 T	Cyclohexane	0.956	1.016	-6.3	91	0.00
32 T	1,1,1-Trichloroethane	1.077	1.285	-19.3	101	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.874	-1.9	108	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35 S	Dibromofluoromethane	0.357	0.368	-3.1	106	0.00
36 T	1,1-Dichloropropene	0.445	0.501	-12.6	95	0.00
37 T	Ethyl Acetate	0.553	0.621	-12.3	96	0.00
38 T	Carbon Tetrachloride	0.500	0.592	-18.4	100	0.00
39 T	Methylcyclohexane	0.578	0.649	-12.3	93	0.00
40 TM	Benzene	1.387	1.514	-9.2	95	0.00
41 T	Methacrylonitrile	0.283	0.313	-10.6	89	0.00
42 TM	1,2-Dichloroethane	0.557	0.636	-14.2	99	0.00
43 T	Isopropyl Acetate	0.880	1.011	-14.9	97	0.00
44 TM	Trichloroethene	0.393	0.381	3.1	96	0.00
45 C	1,2-Dichloropropane	0.340	0.389	-14.4#	99	0.00
46 T	Dibromomethane	0.269	0.311	-15.6	100	0.00
47 T	Bromodichloromethane	0.482	0.601	-24.7	104	0.00
48 T	Methyl methacrylate	0.422	0.477	-13.0	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.006	25.0	65	0.00
50 S	Toluene-d8	1.232	1.205	2.2	103	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.626	-16.6	97	0.00
52 CM	Toluene	0.830	0.946	-14.0#	97	0.00
53 T	t-1,3-Dichloropropene	0.491	0.595	-21.2	98	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.643	-19.3	99	0.00
55 T	1,1,2-Trichloroethane	0.343	0.391	-14.0	99	0.00
56 T	Ethyl methacrylate	0.534	0.643	-20.4	99	0.00
57 T	1,3-Dichloropropane	0.577	0.676	-17.2	102	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.319	-16.8	98	0.00
59 T	2-Hexanone	0.403	0.478	-18.6	96	0.00
60 T	Dibromochloromethane	0.344	0.434	-26.2#	103	0.00
61 T	1,2-Dibromoethane	0.346	0.408	-17.9	100	0.00
62 S	4-Bromofluorobenzene	0.419	0.452	-7.9	110	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64 T	Tetrachloroethene	0.330	0.372	-12.7	99	0.00
65 PM	Chlorobenzene	1.098	1.208	-10.0	98	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.433	-21.6	101	0.00
67 C	Ethyl Benzene	1.861	2.172	-16.7#	100	0.00
68 T	m/p-Xylenes	0.694	0.800	-15.3	97	0.00
69 T	o-Xylene	0.678	0.805	-18.7	99	0.00
70 T	Styrene	1.121	1.342	-19.7	99	0.00
71 P	Bromoform	0.240	0.311	-29.6#	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.843	4.238	-10.3	101	0.00
74 T	N-amyl acetate	1.780	2.014	-13.1	98	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.394	-5.9	97	0.00
76 T	1,2,3-Trichloropropane	1.096	1.209	-10.3	100	0.00
77 T	Bromobenzene	0.917	1.001	-9.2	100	0.00
78 T	n-propylbenzene	4.293	4.940	-15.1	102	0.00
79 T	2-Chlorotoluene	2.714	2.953	-8.8	100	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.544	-12.1	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.435	-8.2	96	0.00
82 T	4-Chlorotoluene	3.064	3.414	-11.4	100	0.00
83 T	tert-Butylbenzene	3.134	3.626	-15.7	103	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.599	-14.3	102	0.00
85 T	sec-Butylbenzene	3.840	4.421	-15.1	101	0.00
86 T	p-Isopropyltoluene	3.119	3.737	-19.8	103	0.00
87 T	1,3-Dichlorobenzene	1.670	1.830	-9.6	101	0.00
88 T	1,4-Dichlorobenzene	1.702	1.840	-8.1	100	0.00
89 T	n-Butylbenzene	2.750	3.364	-22.3	103	0.00
90 T	Hexachloroethane	0.530	0.622	-17.4	103	0.00
91 T	1,2-Dichlorobenzene	1.685	1.854	-10.0	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.314	-18.9	107	0.00
93 T	1,2,4-Trichlorobenzene	0.994	1.112	-11.9	100	0.00
94 T	Hexachlorobutadiene	0.393	0.445	-13.2	105	0.00
95 T	Naphthalene	3.576	4.154	-16.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.129	-12.2	98	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	93	0.00
2 T	Dichlorodifluoromethane	50.000	48.153	3.7	83	0.00
3 P	Chloromethane	50.000	48.602	2.8	86	0.00
4 C	Vinyl Chloride	50.000	51.045	-2.1#	88	0.00
5 T	Bromomethane	50.000	56.604	-13.2	103	0.00
6 T	Chloroethane	50.000	57.893	-15.8	101	0.00
7 T	Trichlorofluoromethane	50.000	64.166	-28.3#	111	0.00
8 T	Diethyl Ether	50.000	54.017	-8.0	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	55.529	-11.1	95	0.00
10 T	Methyl Iodide	50.000	55.244	-10.5	96	0.00
11 T	Tert butyl alcohol	250.000	250.958	-0.4	89	0.00
12 CM	1,1-Dichloroethene	50.000	53.377	-6.8#	95	0.00
13 T	Acrolein	250.000	182.338	27.1#	68	0.00
14 T	Allyl chloride	50.000	56.036	-12.1	94	0.00
15 T	Acrylonitrile	250.000	272.630	-9.1	92	0.00
16 T	Acetone	250.000	287.937	-15.2	99	0.00
17 T	Carbon Disulfide	50.000	51.493	-3.0	88	0.00
18 T	Methyl Acetate	50.000	53.780	-7.6	93	0.00
19 T	Methyl tert-butyl Ether	50.000	58.247	-16.5	100	0.00
20 T	Methylene Chloride	50.000	52.463	-4.9	98	0.00
21 T	trans-1,2-Dichloroethene	50.000	53.892	-7.8	94	0.00
22 T	Diisopropyl ether	50.000	57.225	-14.5	99	0.00
23 T	Vinyl Acetate	250.000	291.530	-16.6	96	0.00
24 P	1,1-Dichloroethane	50.000	55.983	-12.0	96	0.00
25 T	2-Butanone	250.000	284.114	-13.6	95	0.00
26 T	2,2-Dichloropropane	50.000	57.356	-14.7	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.879	-9.8	95	0.00
28 T	Bromochloromethane	50.000	47.061	5.9	99	0.00
29 T	Tetrahydrofuran	250.000	266.254	-6.5	91	0.00
30 C	Chloroform	50.000	55.994	-12.0#	99	0.00
31 T	Cyclohexane	50.000	53.150	-6.3	91	0.00
32 T	1,1,1-Trichloroethane	50.000	59.637	-19.3	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.931	-1.9	108	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35 S	Dibromofluoromethane	50.000	51.481	-3.0	106	0.00
36 T	1,1-Dichloropropene	50.000	56.258	-12.5	95	0.00
37 T	Ethyl Acetate	50.000	56.170	-12.3	96	0.00
38 T	Carbon Tetrachloride	50.000	59.182	-18.4	100	0.00
39 T	Methylcyclohexane	50.000	56.127	-12.3	93	0.00
40 TM	Benzene	50.000	54.597	-9.2	95	0.00
41 T	Methacrylonitrile	50.000	55.276	-10.6	89	0.00
42 TM	1,2-Dichloroethane	50.000	57.138	-14.3	99	0.00
43 T	Isopropyl Acetate	50.000	57.468	-14.9	97	0.00
44 TM	Trichloroethene	50.000	48.503	3.0	96	0.00
45 C	1,2-Dichloropropane	50.000	57.290	-14.6#	99	0.00
46 T	Dibromomethane	50.000	57.782	-15.6	100	0.00
47 T	Bromodichloromethane	50.000	62.329	-24.7	104	0.00
48 T	Methyl methacrylate	50.000	56.476	-13.0	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	748.393	25.2#	65	0.00
50 S	Toluene-d8	50.000	48.907	2.2	103	0.00
51 T	4-Methyl-2-Pentanone	250.000	291.699	-16.7	97	0.00
52 CM	Toluene	50.000	57.015	-14.0#	97	0.00
53 T	t-1,3-Dichloropropene	50.000	60.514	-21.0	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	59.699	-19.4	99	0.00
55 T	1,1,2-Trichloroethane	50.000	57.058	-14.1	99	0.00
56 T	Ethyl methacrylate	50.000	60.237	-20.5	99	0.00
57 T	1,3-Dichloropropane	50.000	58.519	-17.0	102	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	272.768	-9.1	98	0.00
59 T	2-Hexanone	250.000	296.330	-18.5	96	0.00
60 T	Dibromochloromethane	50.000	63.187	-26.4#	103	0.00
61 T	1,2-Dibromoethane	50.000	58.852	-17.7	100	0.00
62 S	4-Bromofluorobenzene	50.000	53.924	-7.8	110	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64 T	Tetrachloroethene	50.000	56.432	-12.9	99	0.00
65 PM	Chlorobenzene	50.000	54.997	-10.0	98	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	60.723	-21.4	101	0.00
67 C	Ethyl Benzene	50.000	58.352	-16.7#	100	0.00
68 T	m/p-Xylenes	100.000	115.254	-15.3	97	0.00
69 T	o-Xylene	50.000	59.412	-18.8	99	0.00
70 T	Styrene	50.000	59.859	-19.7	99	0.00
71 P	Bromoform	50.000	56.868	-13.7	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	55.131	-10.3	101	0.00
74 T	N-amyl acetate	50.000	56.557	-13.1	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.980	-6.0	97	0.00
76 T	1,2,3-Trichloropropane	50.000	55.113	-10.2	100	0.00
77 T	Bromobenzene	50.000	54.572	-9.1	100	0.00
78 T	n-propylbenzene	50.000	57.544	-15.1	102	0.00
79 T	2-Chlorotoluene	50.000	54.387	-8.8	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	56.047	-12.1	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.171	-8.3	96	0.00
82 T	4-Chlorotoluene	50.000	55.701	-11.4	100	0.00
83 T	tert-Butylbenzene	50.000	57.848	-15.7	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	57.161	-14.3	102	0.00
85 T	sec-Butylbenzene	50.000	57.559	-15.1	101	0.00
86 T	p-Isopropyltoluene	50.000	59.908	-19.8	103	0.00
87 T	1,3-Dichlorobenzene	50.000	54.794	-9.6	101	0.00
88 T	1,4-Dichlorobenzene	50.000	54.031	-8.1	100	0.00
89 T	n-Butylbenzene	50.000	61.157	-22.3	103	0.00
90 T	Hexachloroethane	50.000	58.597	-17.2	103	0.00
91 T	1,2-Dichlorobenzene	50.000	55.006	-10.0	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	59.476	-19.0	107	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.987	-12.0	100	0.00
94 T	Hexachlorobutadiene	50.000	56.671	-13.3	105	0.00
95 T	Naphthalene	50.000	58.075	-16.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	56.138	-12.3	98	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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 18:00

Lab File ID: VX044195.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.478		-24.49	50
Chloromethane	0.667	0.536	0.1	-19.64	50
Vinyl Chloride	0.709	0.592		-16.5	50
Bromomethane	0.436	0.423		-2.98	50
Chloroethane	0.432	0.400		-7.41	50
Trichlorofluoromethane	1.268	1.210		-4.57	50
1,1,2-Trichlorotrifluoroethane	0.605	0.529		-12.56	50
1,1-Dichloroethene	0.576	0.505		-12.33	50
Acetone	0.394	0.326		-17.26	50
Carbon Disulfide	1.188	0.859		-27.69	50
Methyl tert-butyl Ether	2.092	2.131		1.86	50
Methyl Acetate	0.917	0.911		-0.65	50
Methylene Chloride	0.668	0.607		-9.13	50
trans-1,2-Dichloroethene	0.595	0.548		-7.9	50
1,1-Dichloroethane	1.161	1.137	0.1	-2.07	50
Cyclohexane	0.956	0.846		-11.51	50
2-Butanone	0.508	0.505		-0.59	50
Carbon Tetrachloride	0.500	0.471		-5.8	50
cis-1,2-Dichloroethene	0.735	0.696		-5.31	50
Bromochloromethane	0.511	0.452		-11.55	50
Chloroform	1.249	1.249		0	50
1,1,1-Trichloroethane	1.077	1.070		-0.65	50
Methylcyclohexane	0.578	0.498		-13.84	50
Benzene	1.387	1.310		-5.55	50
1,2-Dichloroethane	0.557	0.548		-1.62	50
Trichloroethene	0.393	0.325		-17.3	50
1,2-Dichloropropane	0.340	0.329		-3.23	50
Bromodichloromethane	0.482	0.493		2.28	50
4-Methyl-2-Pentanone	0.537	0.582		8.38	50
Toluene	0.830	0.816		-1.69	50
t-1,3-Dichloropropene	0.491	0.500		1.83	50
cis-1,3-Dichloropropene	0.539	0.525		-2.6	50
1,1,2-Trichloroethane	0.343	0.348		1.46	50
2-Hexanone	0.403	0.436		8.19	50
Dibromochloromethane	0.344	0.349		1.45	50
1,2-Dibromoethane	0.346	0.358		3.47	50
Tetrachloroethene	0.330	0.306		-7.27	50
Chlorobenzene	1.098	1.042	0.3	-5.1	50

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164
 Instrument ID: MSVOA_X Calibration Date/Time: 12/09/2024 18:00
 Lab File ID: VX044195.D Init. Calib. Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.827		-1.83	50
m/p-Xylenes	0.694	0.678		-2.31	50
o-Xylene	0.678	0.681		0.44	50
Styrene	1.121	1.134		1.16	50
Bromoform	0.240	0.240	0.1	0	50
Isopropylbenzene	3.843	3.670		-4.5	50
1,1,2,2-Tetrachloroethane	1.316	1.278	0.3	-2.89	50
1,3-Dichlorobenzene	1.670	1.584		-5.15	50
1,4-Dichlorobenzene	1.702	1.590		-6.58	50
1,2-Dichlorobenzene	1.685	1.617		-4.04	50
1,2-Dibromo-3-Chloropropane	0.264	0.268		1.51	50
1,2,4-Trichlorobenzene	0.994	0.914		-8.05	50
1,2,3-Trichlorobenzene	1.006	0.964		-4.18	50
1,2-Dichloroethane-d4	0.858	0.801		-6.64	50
Dibromofluoromethane	0.357	0.327		-8.4	50
Toluene-d8	1.232	1.104		-10.39	50
4-Bromofluorobenzene	0.419	0.414		-1.19	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\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131298	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	235785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99726	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	105126	46.681	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.360%
35) Dibromofluoromethane	5.385	113	77035	45.723	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.440%
50) Toluene-d8	8.647	98	260361	44.830	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.660%
62) 4-Bromofluorobenzene	11.079	95	97692	49.426	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.860%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	62774	37.740	ug/l	99
3) Chloromethane	1.294	50	70433	40.240	ug/l	97
4) Vinyl Chloride	1.374	62	77773	41.774	ug/l	95
5) Bromomethane	1.593	94	55509	48.466	ug/l	96
6) Chloroethane	1.660	64	52511	46.289	ug/l	98
7) Trichlorofluoromethane	1.867	101	158833	47.719	ug/l	97
8) Diethyl Ether	2.136	74	58422	48.156	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	69490	43.767	ug/l	99
10) Methyl Iodide	2.440	142	94864	47.840	ug/l	98
11) Tert butyl alcohol	3.001	59	81324	224.985	ug/l	98
12) 1,1-Dichloroethene	2.306	96	66330	43.842	ug/l	98
13) Acrolein	2.239	56	97792	256.674	ug/l	98
14) Allyl chloride	2.654	41	116347	47.063	ug/l	98
15) Acrylonitrile	3.068	53	221106	251.011	ug/l	99
16) Acetone	2.392	43	214107	207.003	ug/l	100
17) Carbon Disulfide	2.501	76	112753	36.130	ug/l	100
18) Methyl Acetate	2.709	43	119578	49.645	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	279759	50.926	ug/l	99
20) Methylene Chloride	2.782	84	79720	45.418	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	71950	46.062	ug/l	93
22) Diisopropyl ether	3.763	45	261443	49.458	ug/l	97
23) Vinyl Acetate	3.721	43	1132475	250.436	ug/l	100
24) 1,1-Dichloroethane	3.605	63	149227	48.934	ug/l	98
25) 2-Butanone	4.568	43	331515	248.401	ug/l	99
26) 2,2-Dichloropropane	4.464	77	118688	43.095	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	91381	47.328	ug/l	98
28) Bromochloromethane	4.897	49	59291	44.170	ug/l	97
29) Tetrahydrofuran	5.013	42	212659	259.914	ug/l	98
30) Chloroform	5.092	83	164031	50.011	ug/l	97
31) Cyclohexane	5.458	56	111053	44.246	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140424	49.647	ug/l	100
36) 1,1-Dichloropropene	5.684	75	97977	46.667	ug/l	99
37) Ethyl Acetate	4.721	43	127992	49.112	ug/l	99
38) Carbon Tetrachloride	5.672	117	111142	47.113	ug/l	97
39) Methylcyclohexane	7.372	83	117340	43.022	ug/l	98
40) Benzene	6.031	78	308789	47.218	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044195.D
 Acq On : 09 Dec 2024 18:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 10 01:47:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68199	51.129	ug/l	96
42) 1,2-Dichloroethane	6.086	62	129196	49.190	ug/l	100
43) Isopropyl Acetate	6.342	43	212581	51.255	ug/l	99
44) Trichloroethene	7.123	130	76601	41.377	ug/l	94
45) 1,2-Dichloropropane	7.427	63	77580	48.435	ug/l	92
46) Dibromomethane	7.580	93	63965	50.484	ug/l	98
47) Bromodichloromethane	7.818	83	116358	51.205	ug/l	96
48) Methyl methacrylate	7.696	41	100896	50.698	ug/l	99
49) 1,4-Dioxane	7.665	88	29761	839.512	ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	685832	270.971	ug/l	99
52) Toluene	8.714	92	192454	49.168	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	117834	50.850	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	123739	48.710	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	81959	50.724	ug/l	97
56) Ethyl methacrylate	9.116	69	132200	52.529	ug/l	97
57) 1,3-Dichloropropane	9.305	76	138542	50.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	328935	238.340	ug/l	100
59) 2-Hexanone	9.433	43	514271	270.331	ug/l	99
60) Dibromochloromethane	9.518	129	82189	50.698	ug/l	99
61) 1,2-Dibromoethane	9.610	107	84512	51.728	ug/l	99
64) Tetrachloroethene	9.275	164	64007	46.478	ug/l	98
65) Chlorobenzene	10.079	112	217542	47.426	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	75268	50.596	ug/l	98
67) Ethyl Benzene	10.195	91	381676	49.105	ug/l	99
68) m/p-Xylenes	10.299	106	283405	97.773	ug/l	100
69) o-Xylene	10.640	106	142308	50.284	ug/l	98
70) Styrene	10.652	104	236741	50.577	ug/l	98
71) Bromoform	10.799	173	50122	44.729	ug/l #	99
73) Isopropylbenzene	10.963	105	365951	47.738	ug/l	99
74) N-amyl acetate	10.841	43	184869	52.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	127456	48.557	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	108157m	49.455	ug/l	
77) Bromobenzene	11.195	156	87469	47.832	ug/l	99
78) n-propylbenzene	11.305	91	418467	48.877	ug/l	98
79) 2-Chlorotoluene	11.360	91	256367	47.354	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	311795	49.438	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	36117	45.064	ug/l	94
82) 4-Chlorotoluene	11.451	91	296611	48.528	ug/l	100
83) tert-Butylbenzene	11.713	119	309761	49.553	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	308254	49.093	ug/l	100
85) sec-Butylbenzene	11.890	105	378505	49.420	ug/l	99
86) p-Isopropyltoluene	12.006	119	312583	50.244	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	158004	47.440	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	158608	46.709	ug/l	98
89) n-Butylbenzene	12.329	91	270623	49.338	ug/l	100
90) Hexachloroethane	12.536	117	48712	46.047	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	161209	47.962	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	26680	50.727	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	91104	45.975	ug/l	99
94) Hexachlorobutadiene	13.725	225	35883	45.818	ug/l	98
95) Naphthalene	13.774	128	363187	50.915	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	96130	47.928	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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

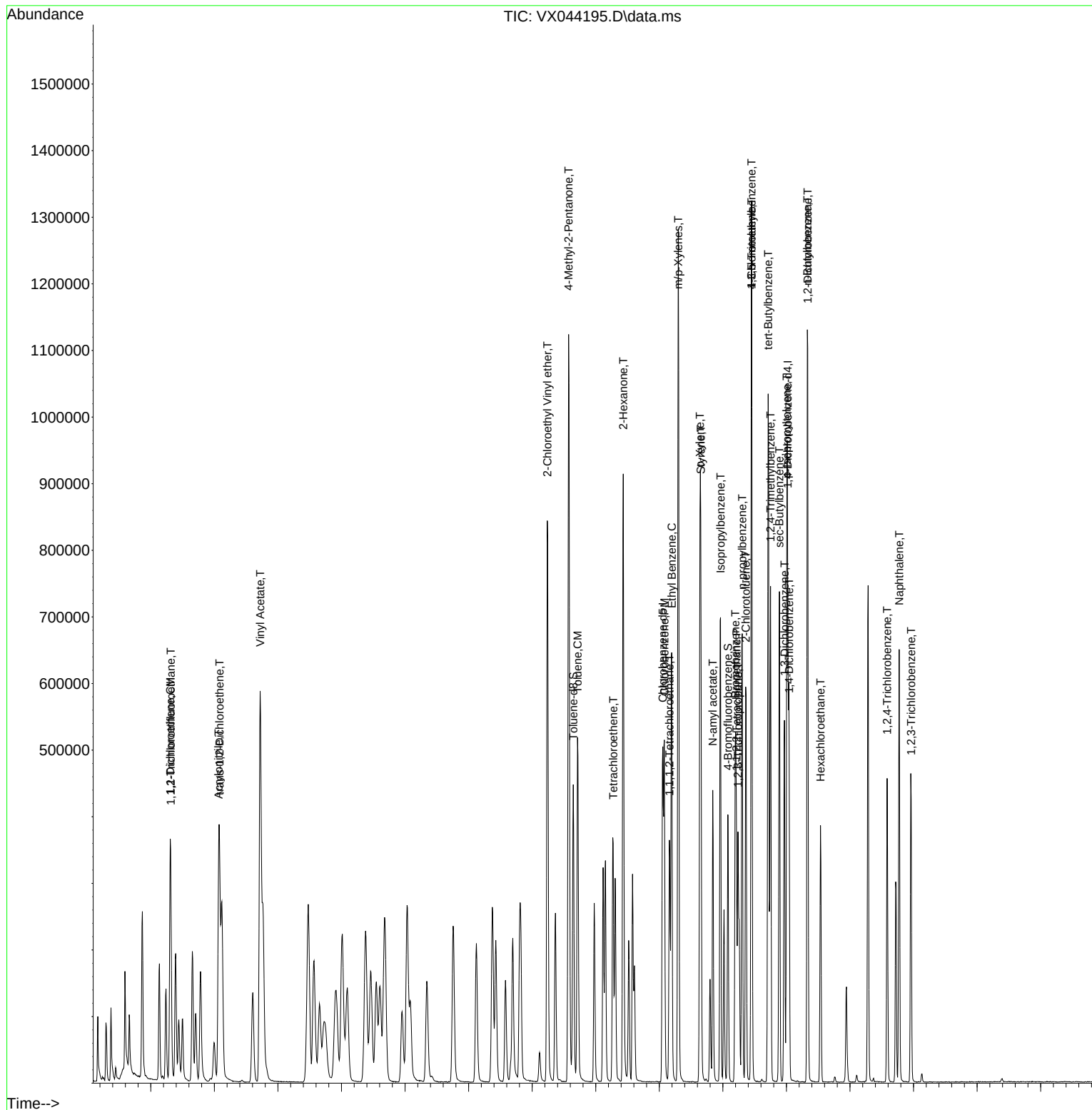
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

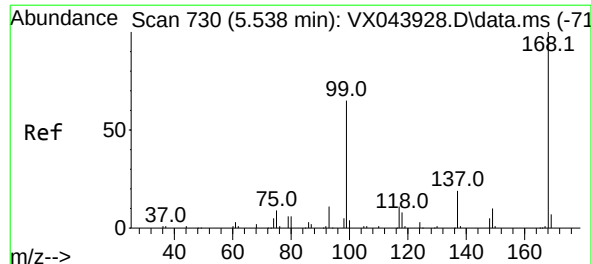
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024





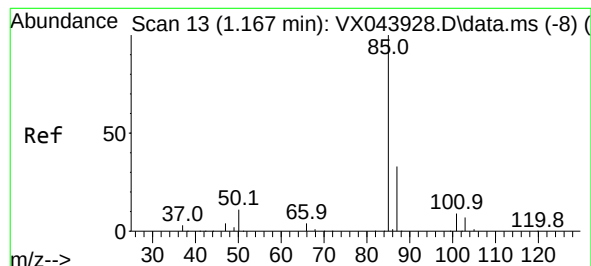
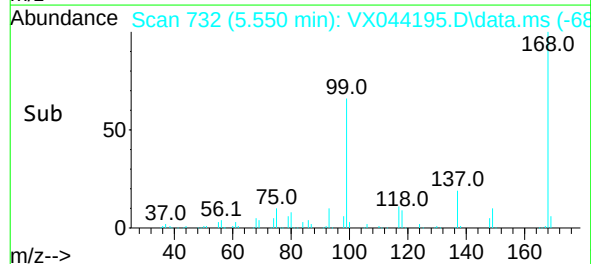
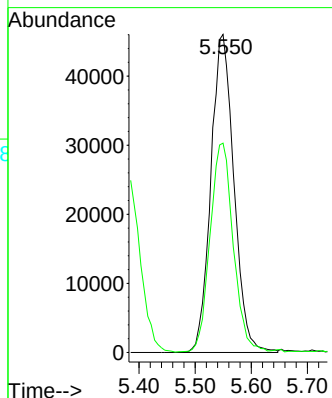
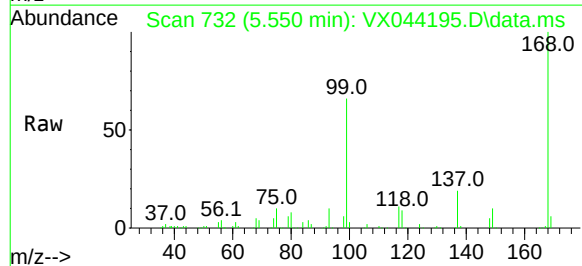
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 168 Resp: 131298
Ion Ratio Lower Upper
168 100
99 65.6 51.8 77.8

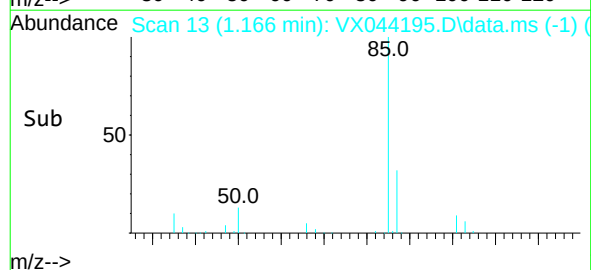
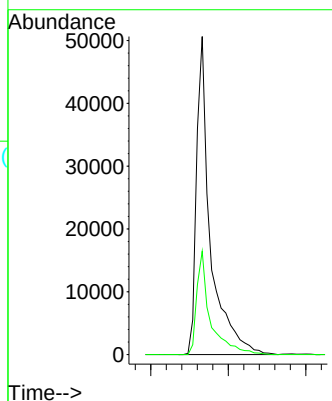
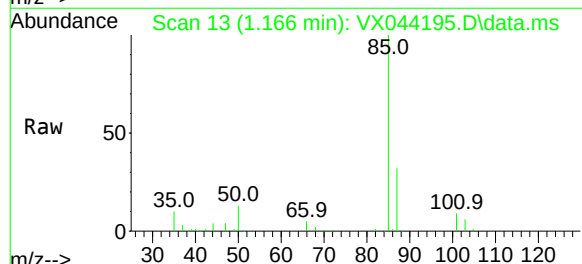
Manual Integrations
APPROVED

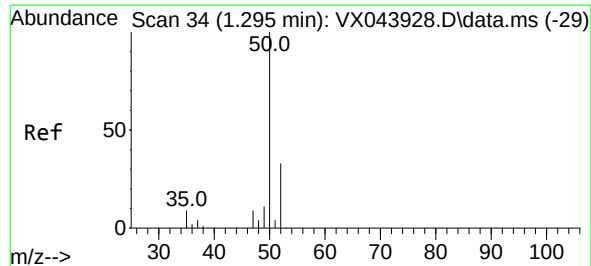
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#2
Dichlorodifluoromethane
Concen: 37.740 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 85 Resp: 62774
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8





#3

Chloromethane

Concen: 40.240 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 70433

Ion Ratio Lower Upper

50 100

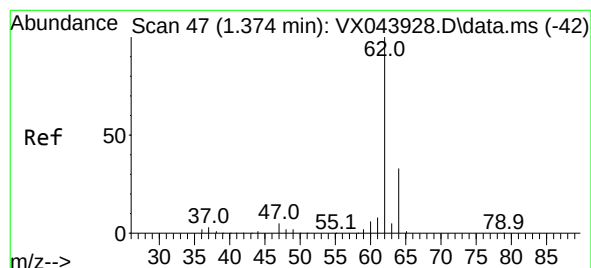
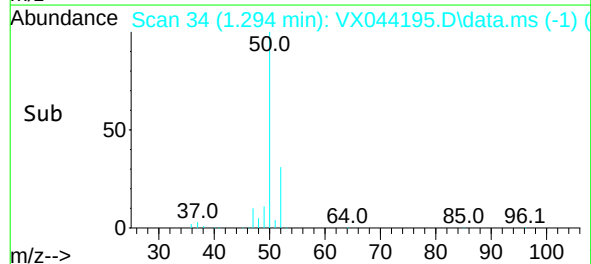
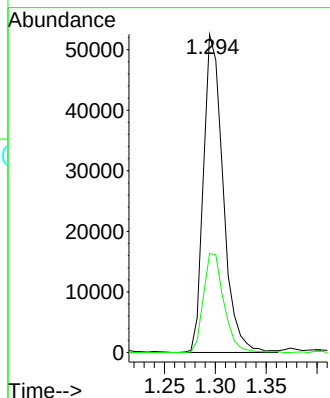
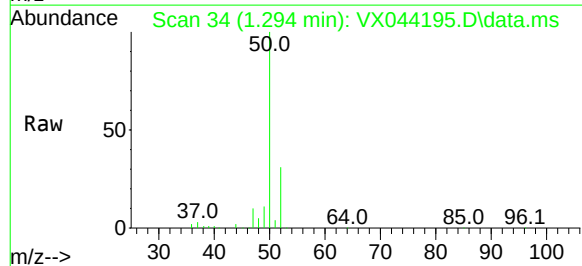
52 31.1 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#4

Vinyl Chloride

Concen: 41.774 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044195.D

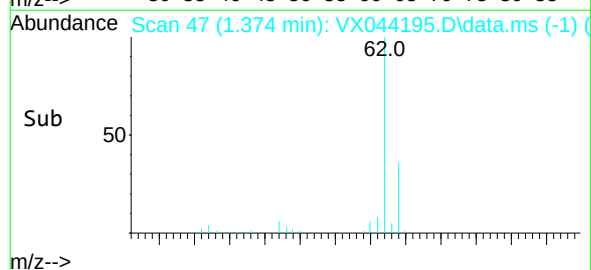
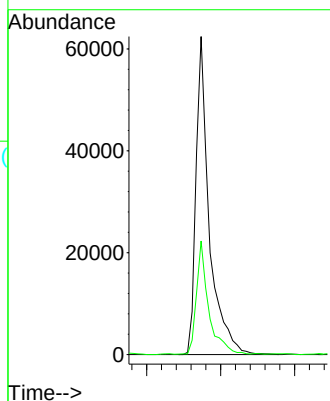
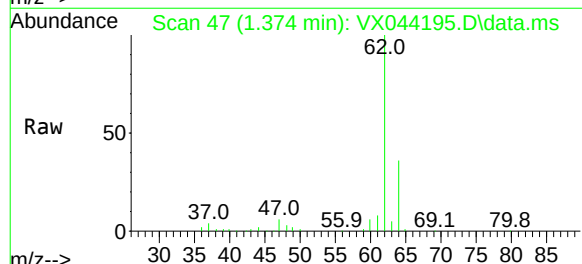
Acq: 09 Dec 2024 18:00

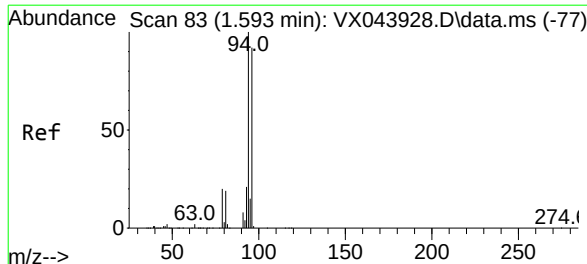
Tgt Ion: 62 Resp: 77773

Ion Ratio Lower Upper

62 100

64 35.6 26.2 39.4





#5

Bromomethane

Concen: 48.466 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 55509

Ion Ratio Lower Upper

94 100

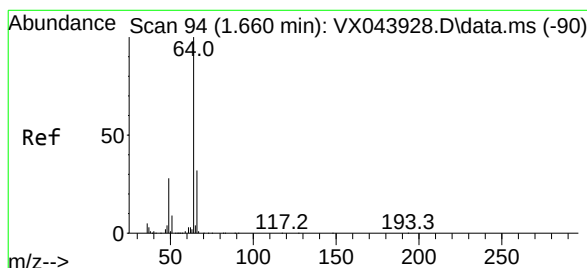
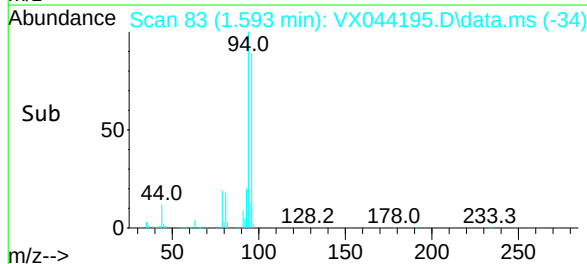
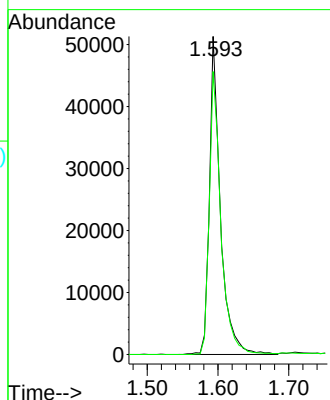
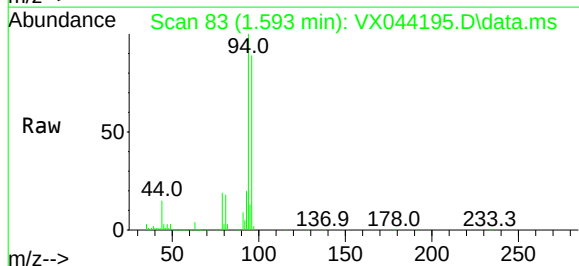
96 89.0 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#6

Chloroethane

Concen: 46.289 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX044195.D

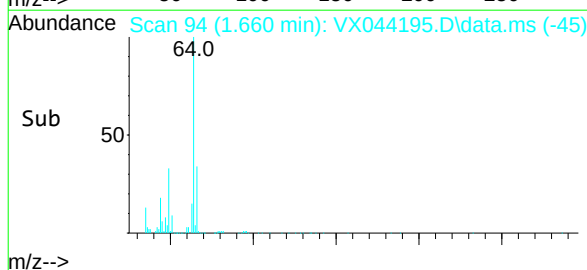
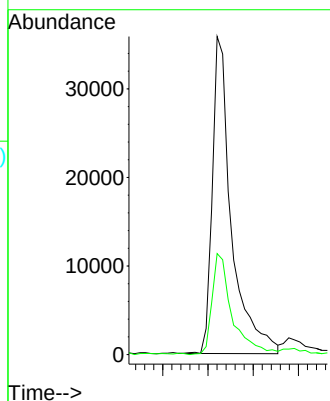
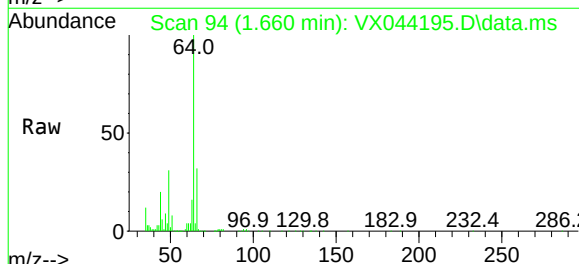
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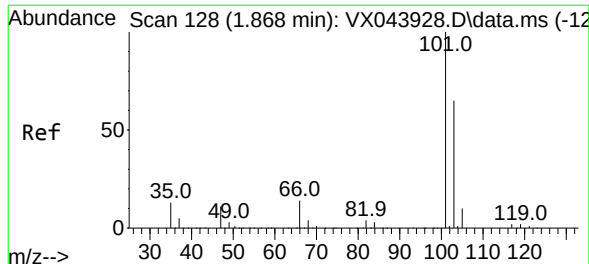
Tgt Ion: 64 Resp: 52511

Ion Ratio Lower Upper

64 100

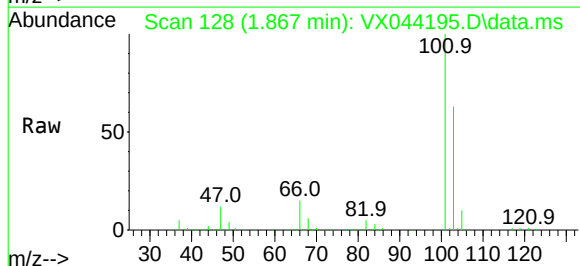
66 31.4 25.9 38.9





Trichlorofluoromethane
Concen: 47.719 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

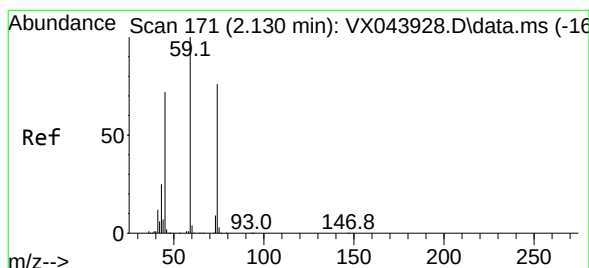
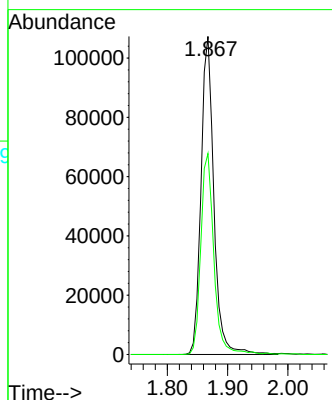
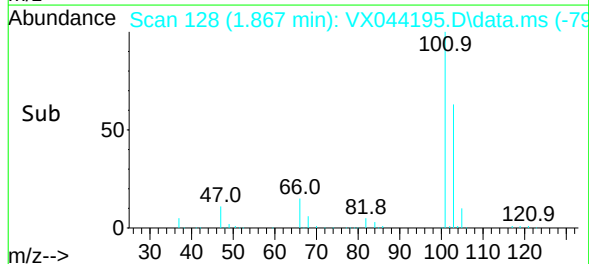
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



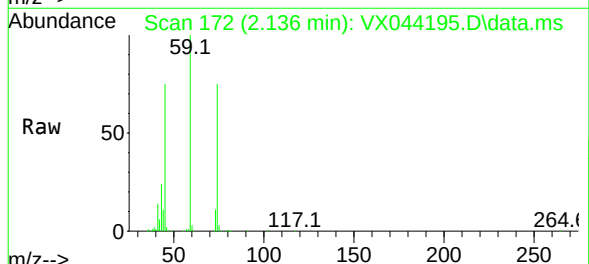
Tgt Ion: 101 Resp: 158833
Ion Ratio Lower Upper
101 100
103 63.2 52.2 78.2

Manual Integrations
APPROVED

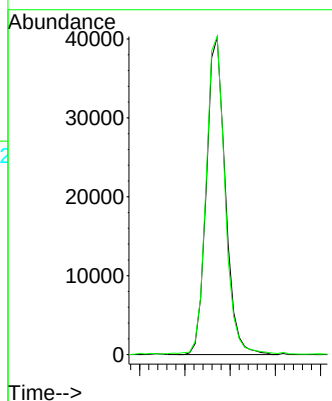
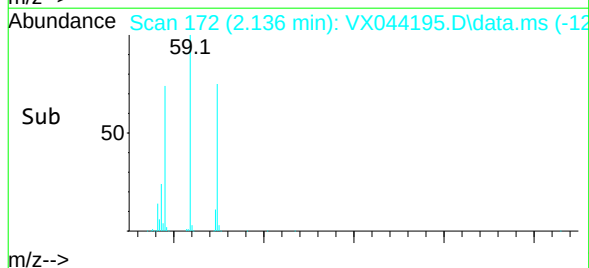
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024

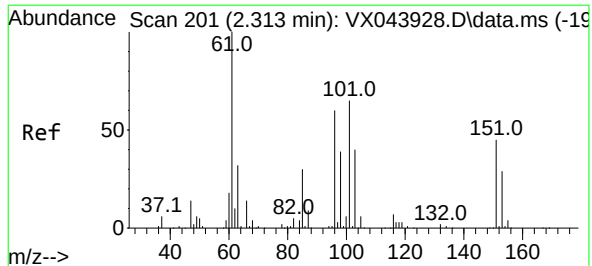


Diethyl Ether
Concen: 48.156 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00



Tgt Ion: 74 Resp: 58422
Ion Ratio Lower Upper
74 100
45 99.2 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.767 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

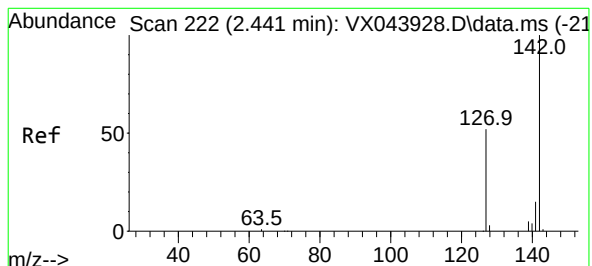
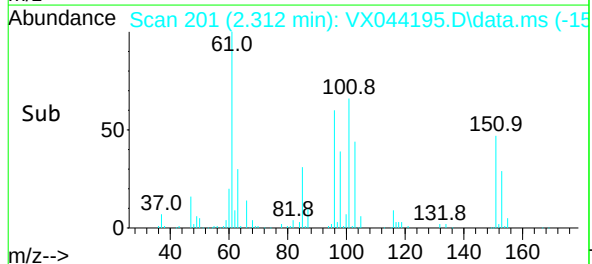
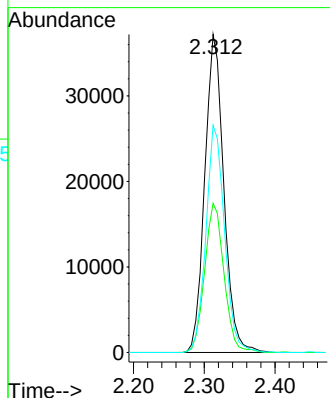
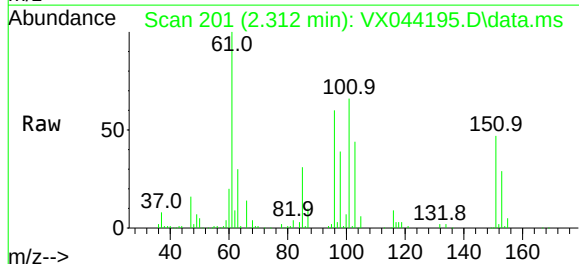
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	69490
Ion Ratio	Lower	Upper	
101	100		
85	47.8	37.9	56.9
151	70.4	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#10

Methyl Iodide

Concen: 47.840 ug/l

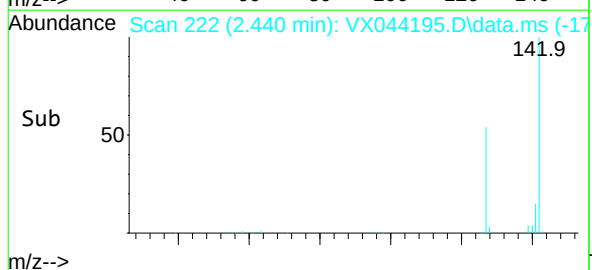
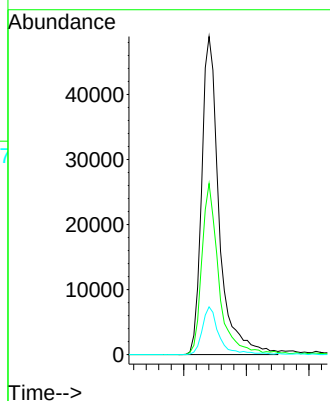
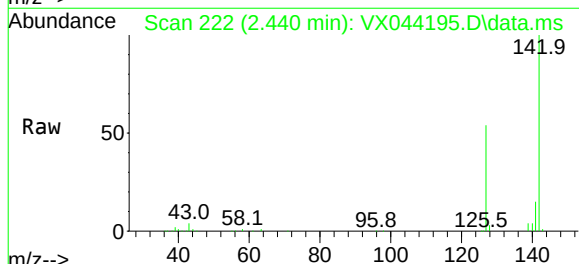
RT: 2.440 min Scan# 222

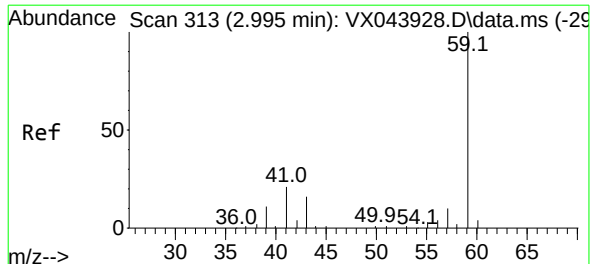
Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	142	Resp:	94864
Ion Ratio	Lower	Upper	
142	100		
127	52.1	40.7	61.1
141	14.4	12.0	18.0





#11

Tert butyl alcohol

Concen: 224.985 ug/l

RT: 3.001 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 81324

Ion Ratio Lower Upper

59 100

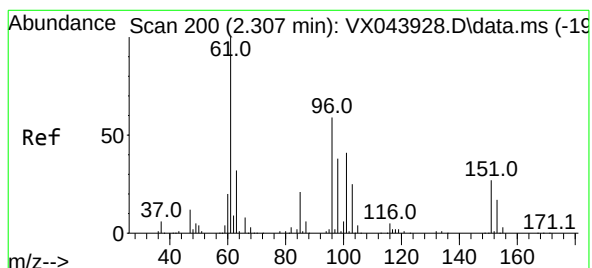
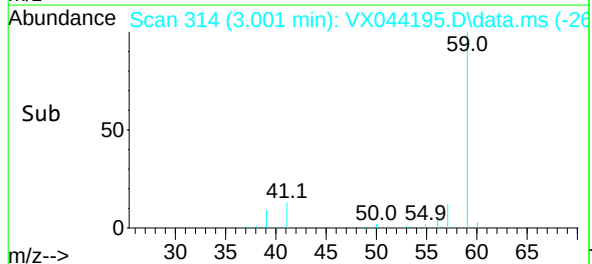
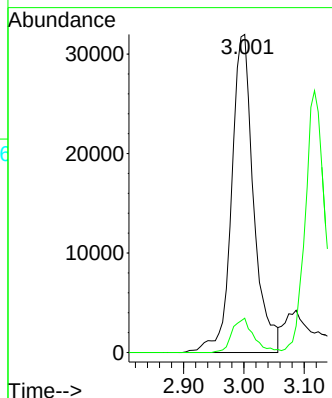
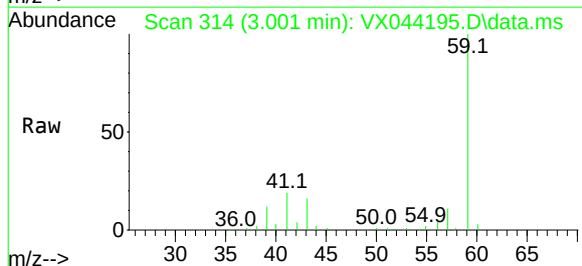
57 10.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 43.842 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

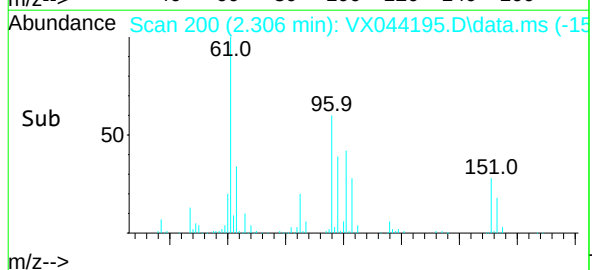
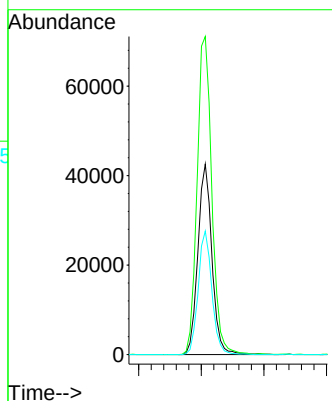
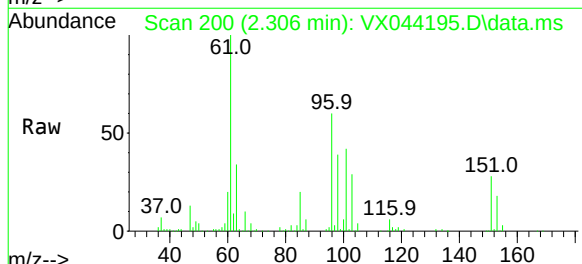
Tgt Ion: 96 Resp: 66330

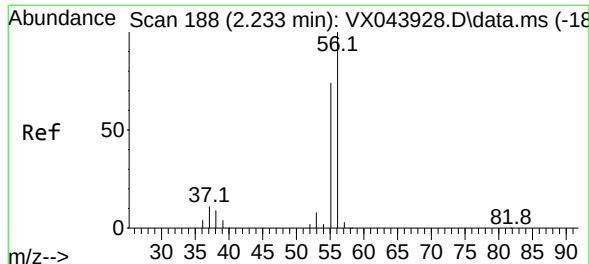
Ion Ratio Lower Upper

96 100

61 167.0 135.5 203.3

98 64.8 50.8 76.2





#13

Acrolein

Concen: 256.674 ug/l

RT: 2.239 min Scan# 18

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 97792

Ion Ratio Lower Upper

56 100

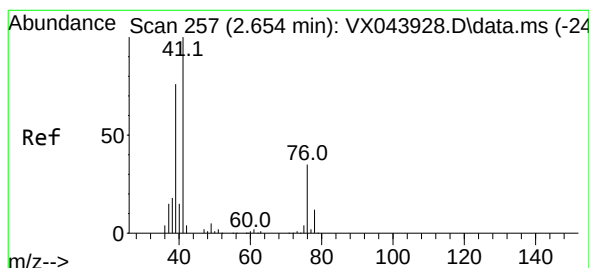
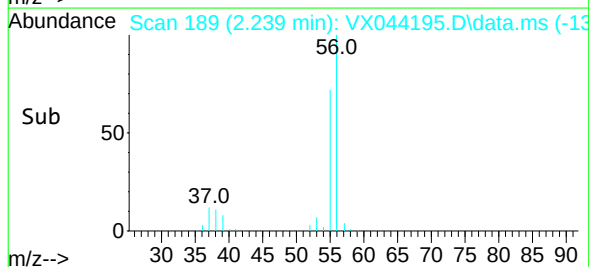
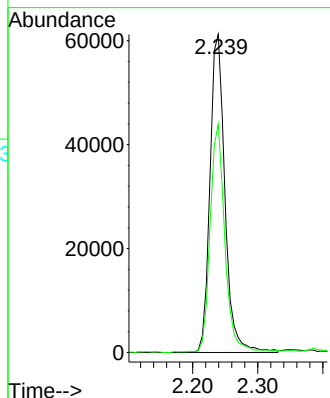
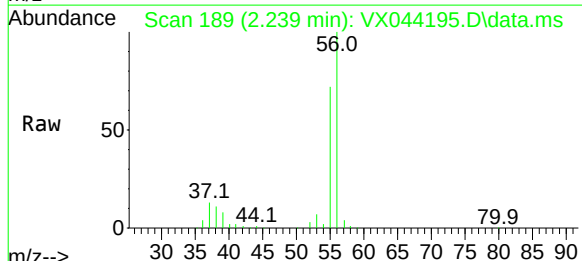
55 71.4 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 47.063 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

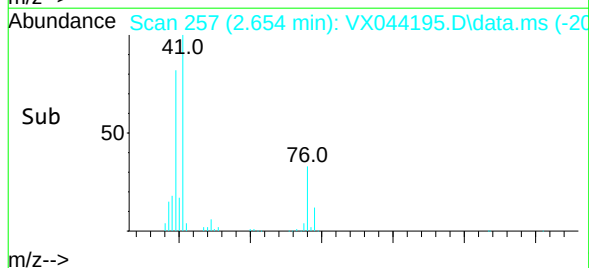
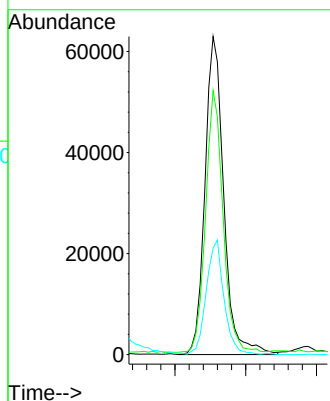
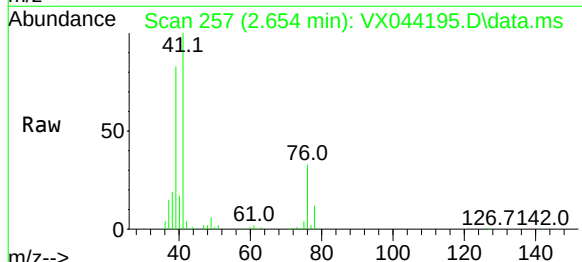
Tgt Ion: 41 Resp: 116347

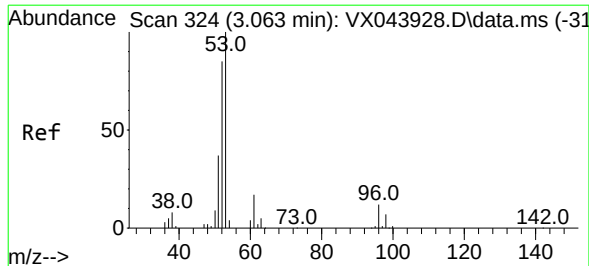
Ion Ratio Lower Upper

41 100

39 76.2 59.5 89.3

76 33.5 27.4 41.2





#15

Acrylonitrile

Concen: 251.011 ug/l

RT: 3.068 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

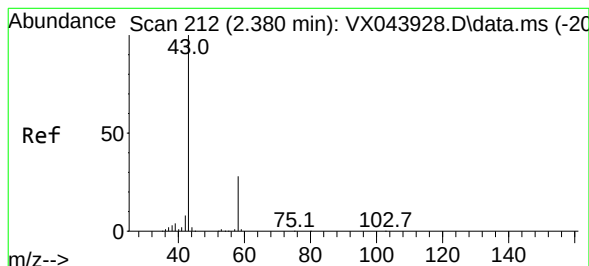
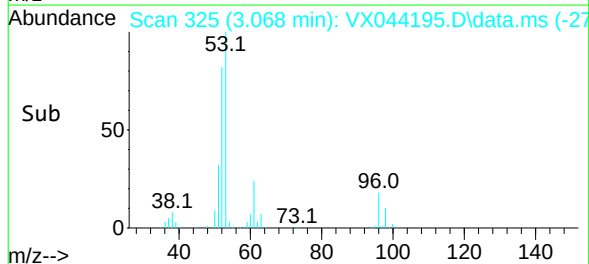
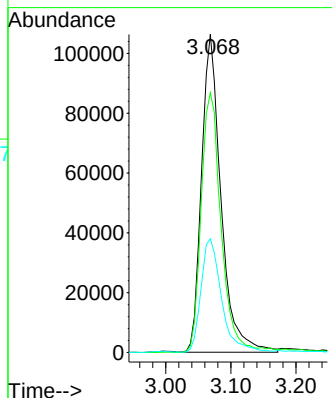
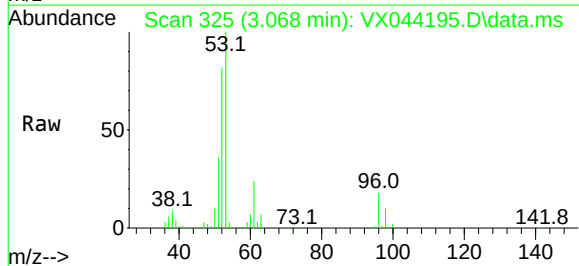
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	221106
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	37.5	30.2	45.4

Manual Integrations
APPROVEDReviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

#16

Acetone

Concen: 207.003 ug/l

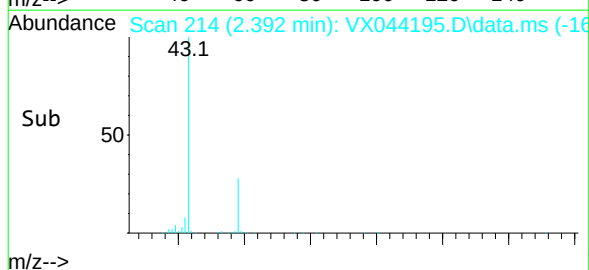
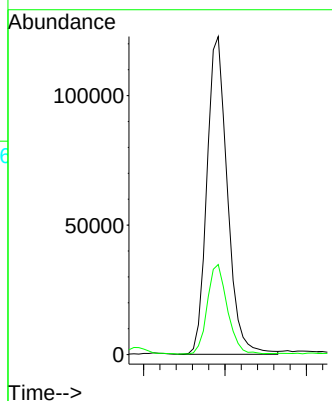
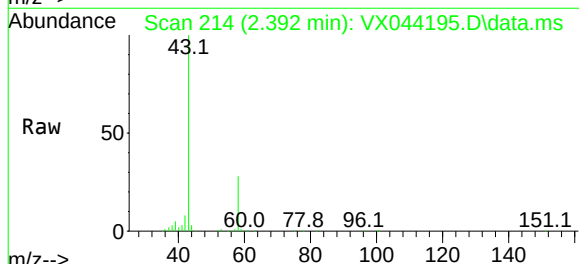
RT: 2.392 min Scan# 214

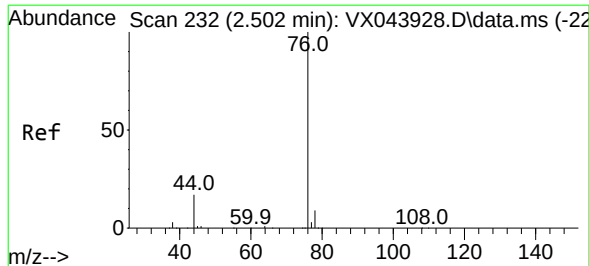
Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	43	Resp:	214107
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.7	34.1





#17

Carbon Disulfide

Concen: 36.130 ug/l

RT: 2.501 min Scan# 23

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 112753

Ion Ratio Lower Upper

76 100

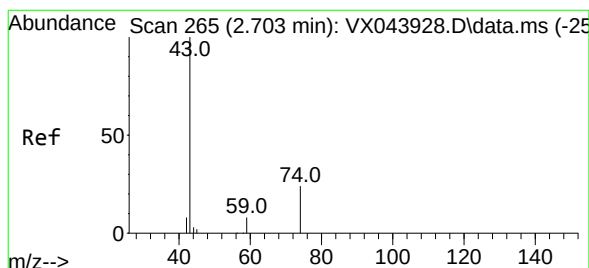
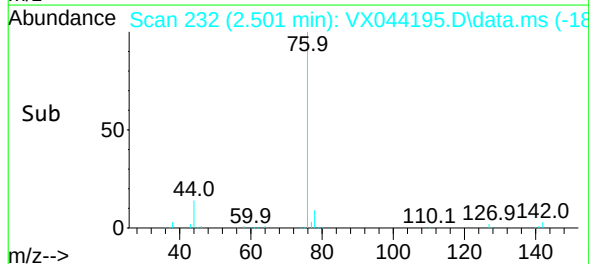
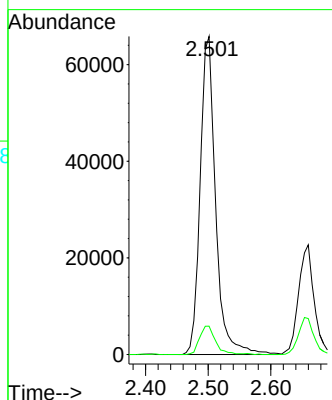
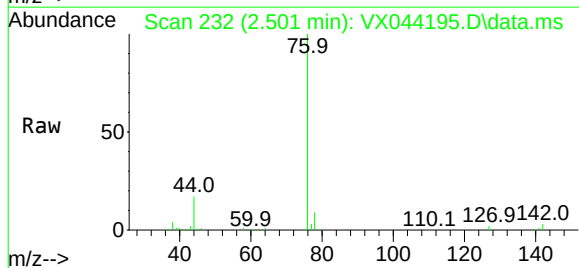
78 8.9 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#18

Methyl Acetate

Concen: 49.645 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX044195.D

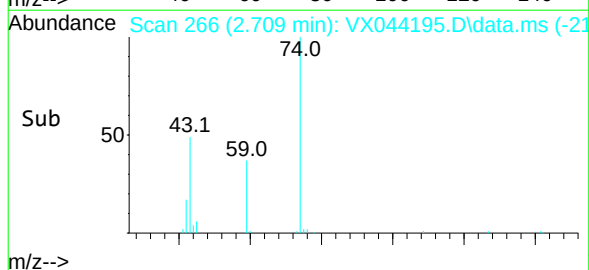
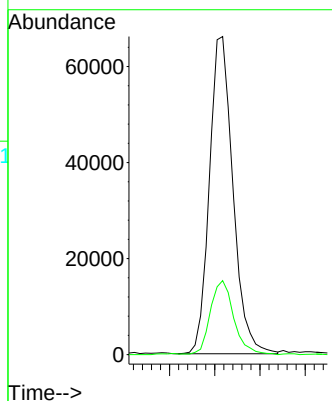
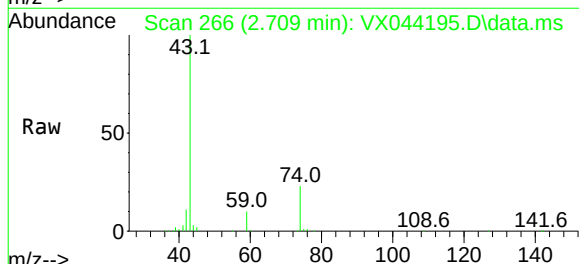
Acq: 09 Dec 2024 18:00

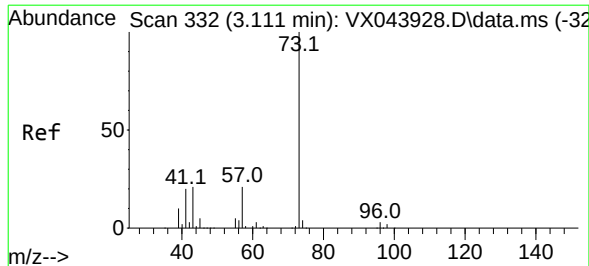
Tgt Ion: 43 Resp: 119578

Ion Ratio Lower Upper

43 100

74 23.2 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 50.926 ug/l

RT: 3.117 min Scan# 33

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 279759

Ion Ratio Lower Upper

73 100

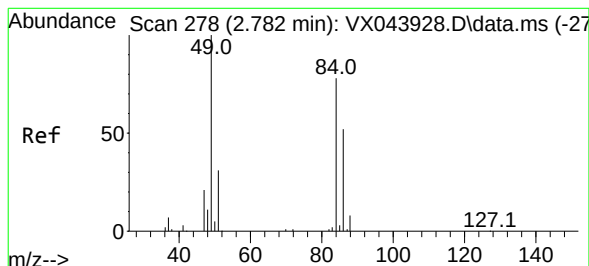
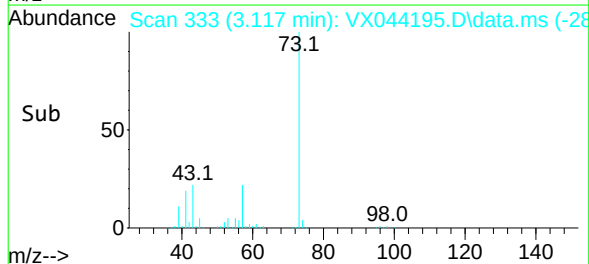
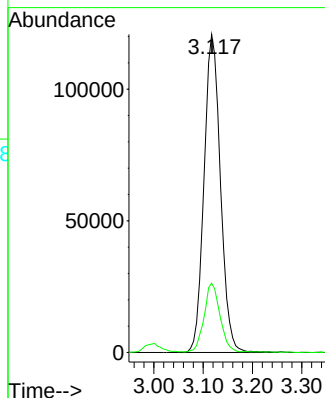
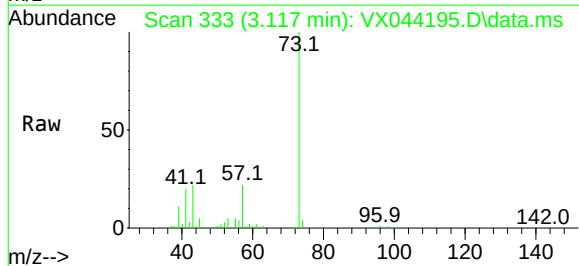
57 21.7 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 45.418 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion: 84 Resp: 79720

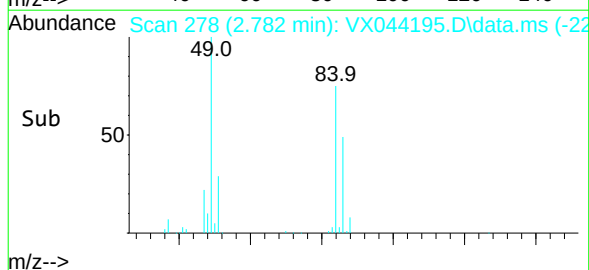
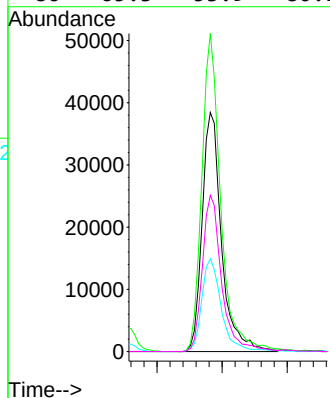
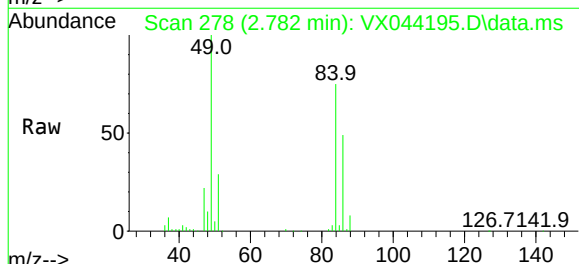
Ion Ratio Lower Upper

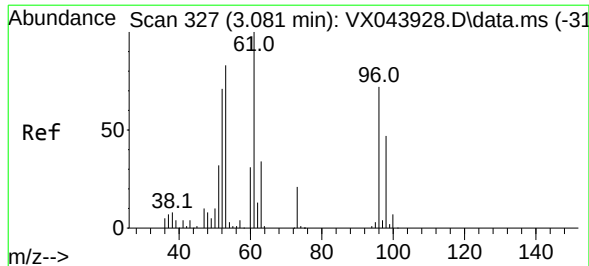
84 100

49 133.0 102.7 154.1

51 38.8 31.7 47.5

86 65.3 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 46.062 ug/l

RT: 3.081 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

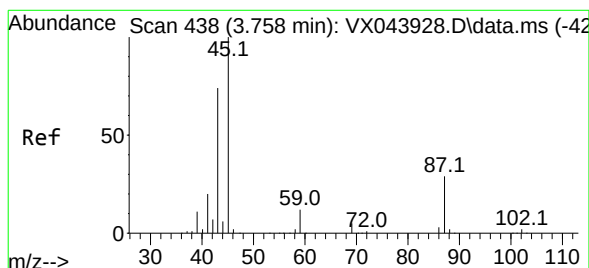
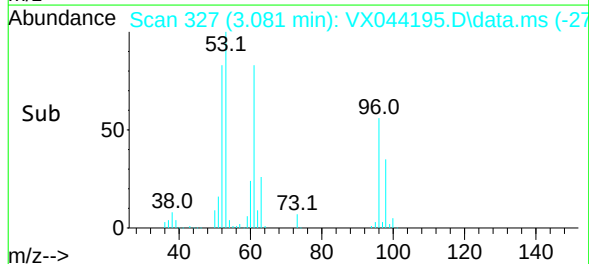
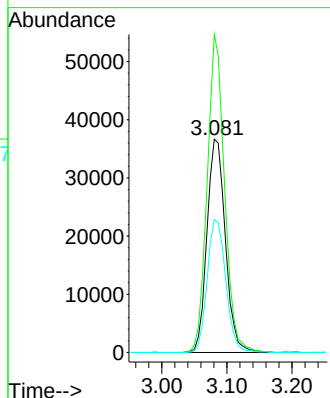
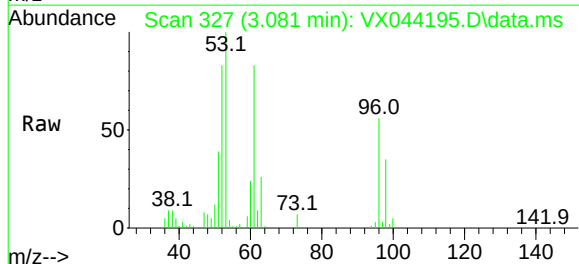
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	71950
Ion	Ratio	Lower	Upper
96	100		
61	149.1	111.8	167.6
98	62.4	52.7	79.1

Manual Integrations
APPROVEDReviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

#22

Diisopropyl ether

Concen: 49.458 ug/l

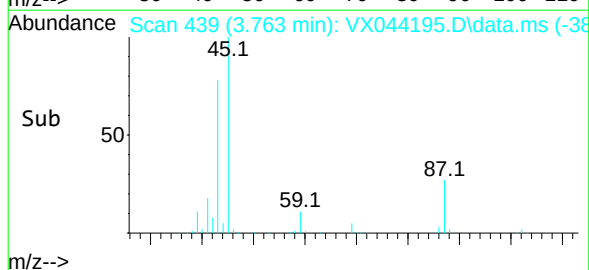
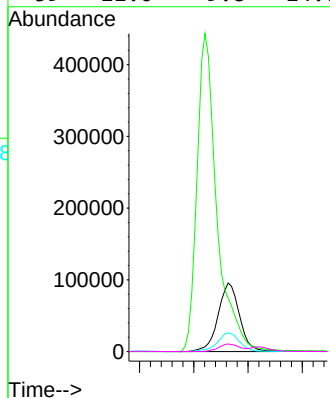
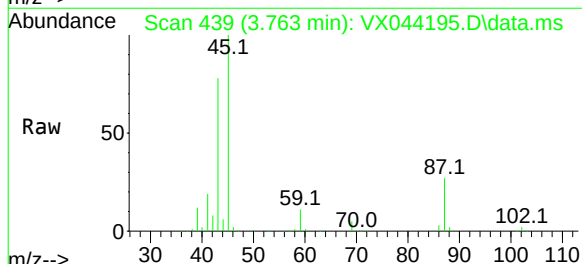
RT: 3.763 min Scan# 439

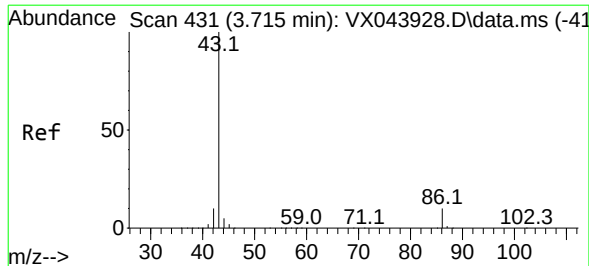
Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	45	Resp:	261443
Ion	Ratio	Lower	Upper
45	100		
43	77.8	59.6	89.4
87	27.3	22.9	34.3
59	11.0	9.8	14.6





#23

Vinyl Acetate

Concen: 250.436 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1132475

Ion Ratio Lower Upper

43 100

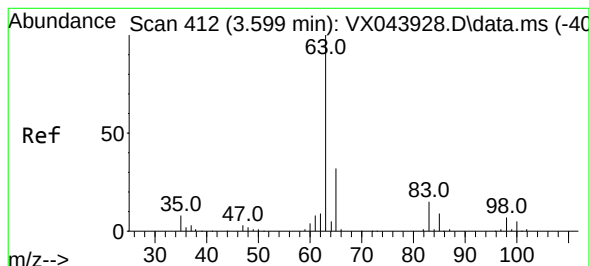
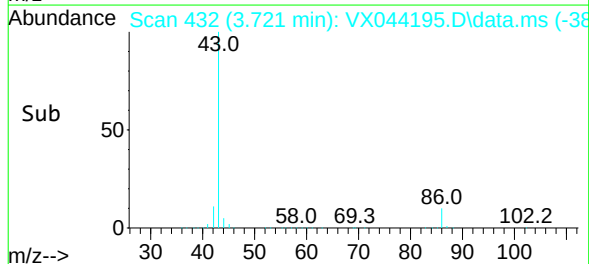
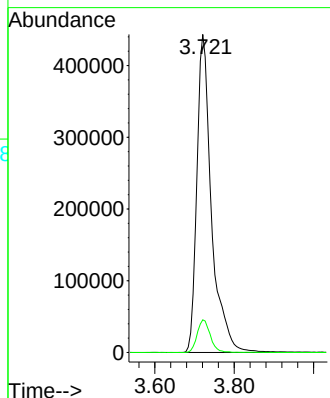
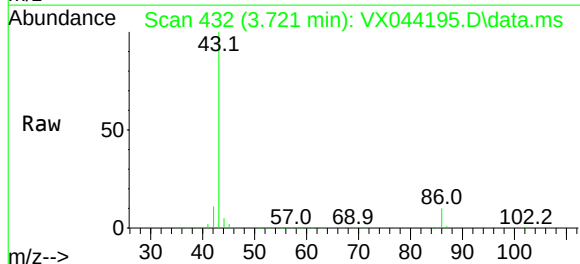
86 10.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 48.934 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

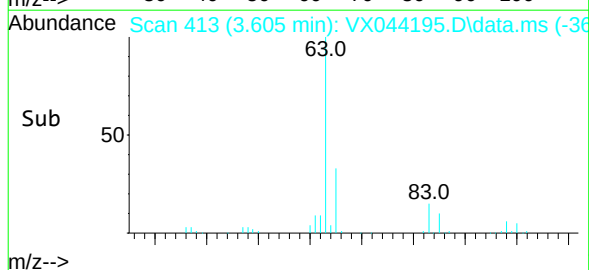
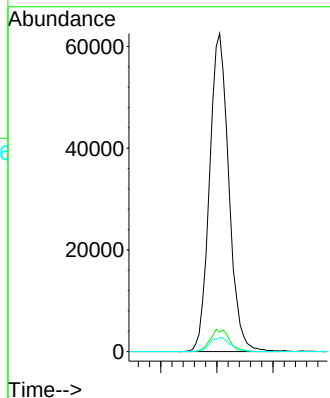
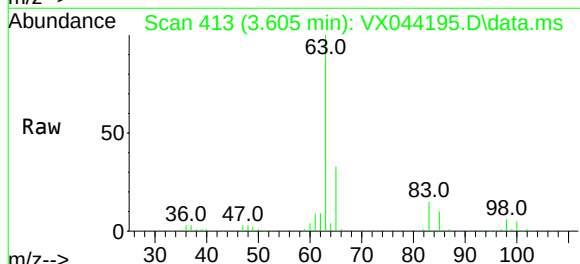
Tgt Ion: 63 Resp: 149227

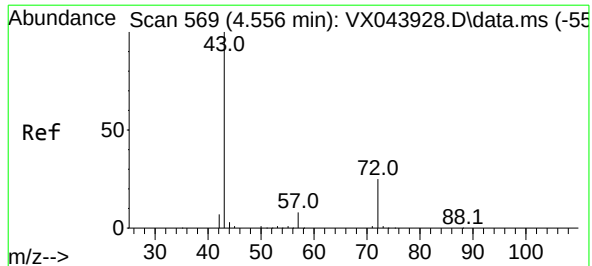
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.6

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 248.401 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 331515

Ion Ratio Lower Upper

43 100

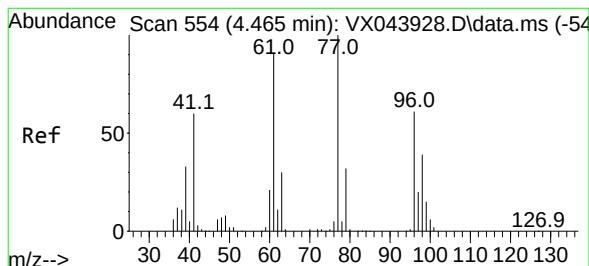
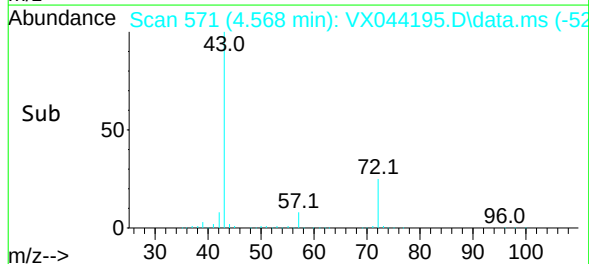
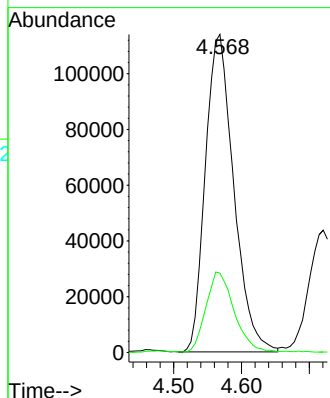
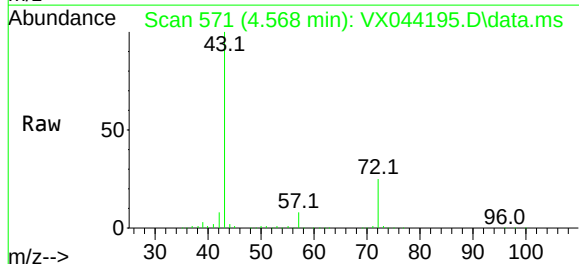
72 24.8 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#26

2,2-Dichloropropane

Concen: 43.095 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044195.D

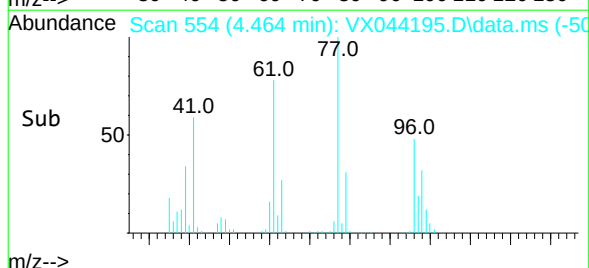
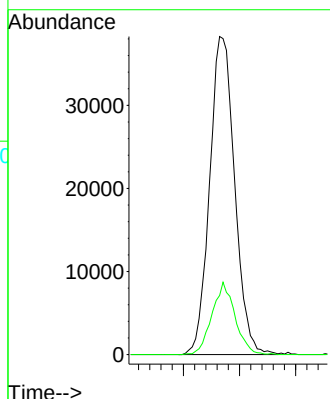
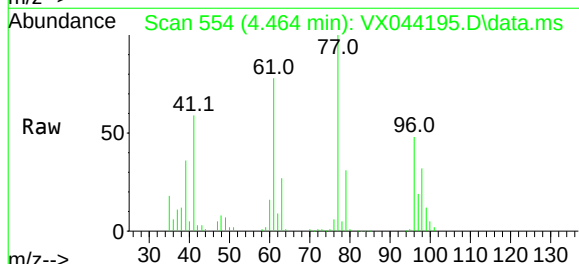
Acq: 09 Dec 2024 18:00

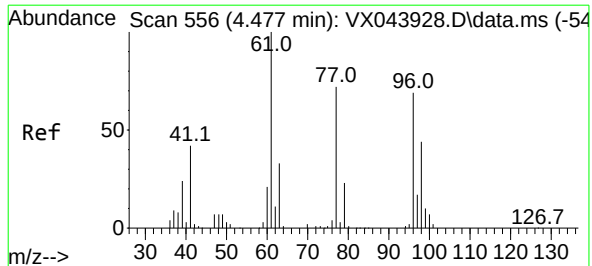
Tgt Ion: 77 Resp: 118688

Ion Ratio Lower Upper

77 100

97 20.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 47.328 ug/l

RT: 4.483 min Scan# 55

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 91381

Ion Ratio Lower Upper

96 100

61 151.2 0.0 297.4

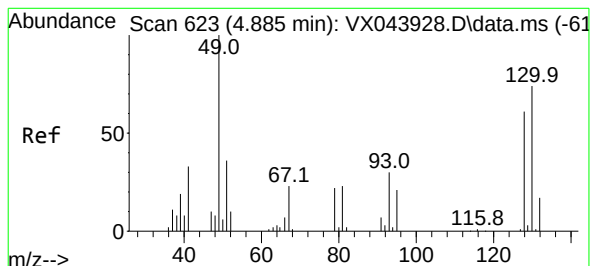
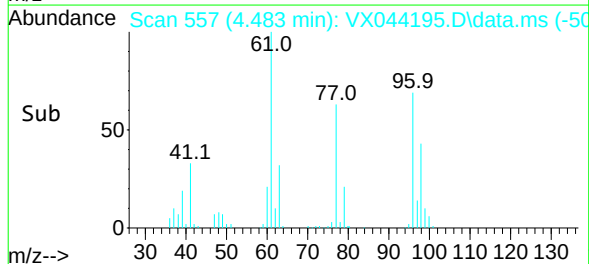
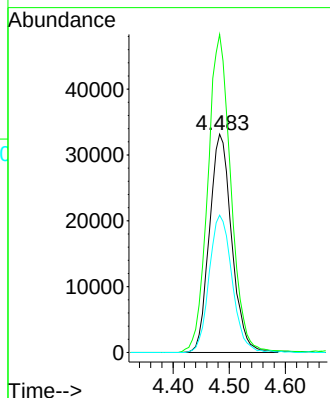
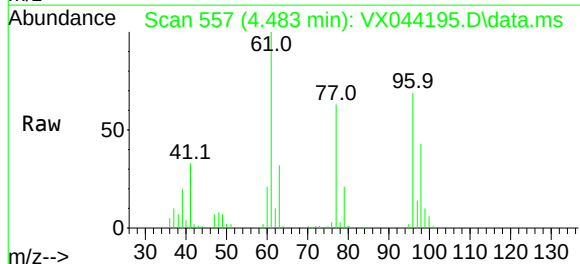
98 65.0 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#28

Bromochloromethane

Concen: 44.170 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

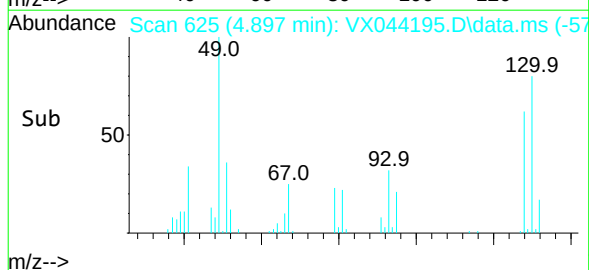
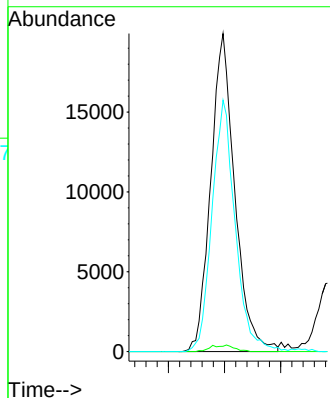
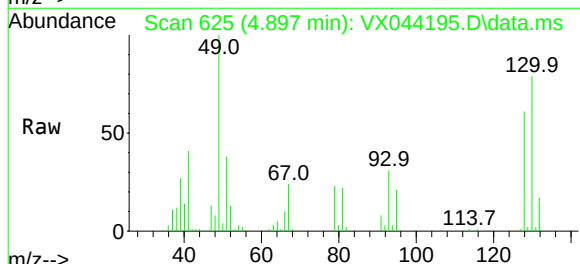
Tgt Ion: 49 Resp: 59291

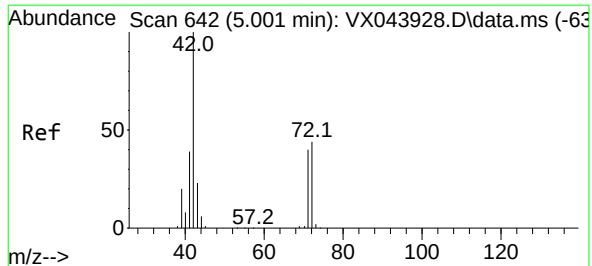
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 76.2 59.0 88.6





#29

Tetrahydrofuran

Concen: 259.914 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 212659

Ion Ratio Lower Upper

42 100

72 43.5 36.4 54.6

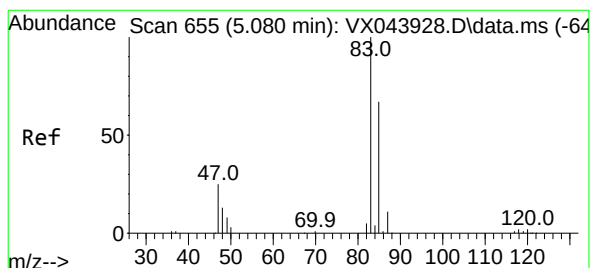
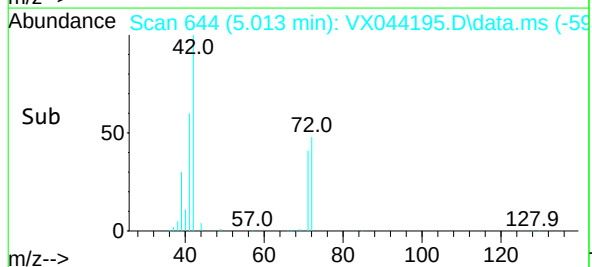
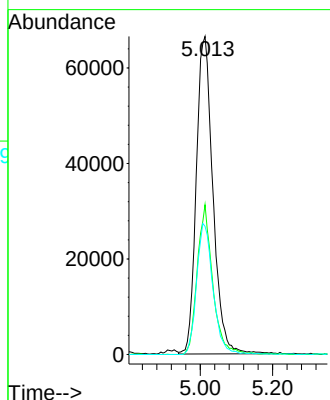
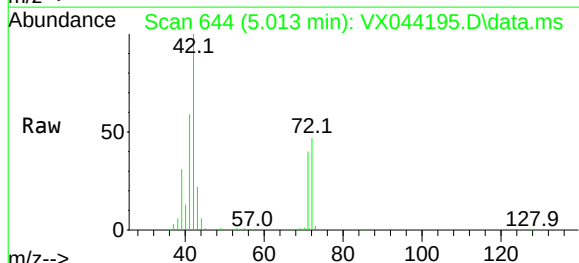
71 40.5 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 50.011 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044195.D

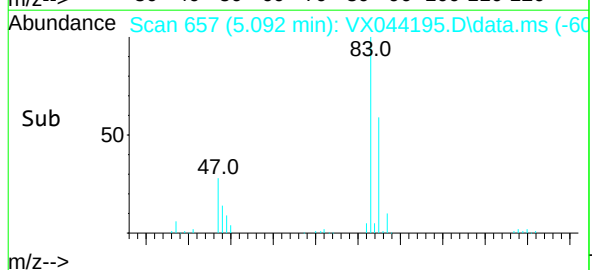
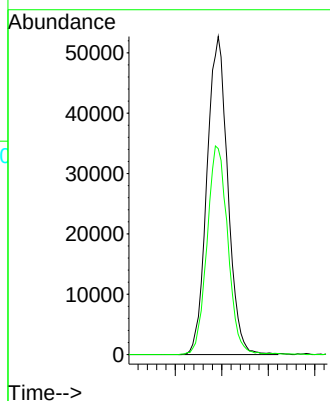
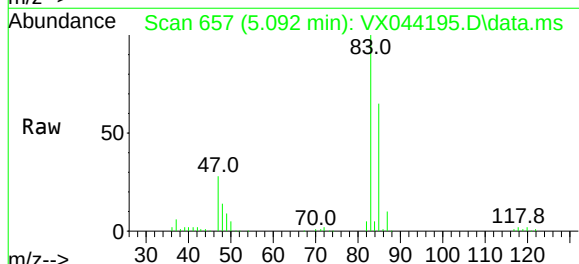
Acq: 09 Dec 2024 18:00

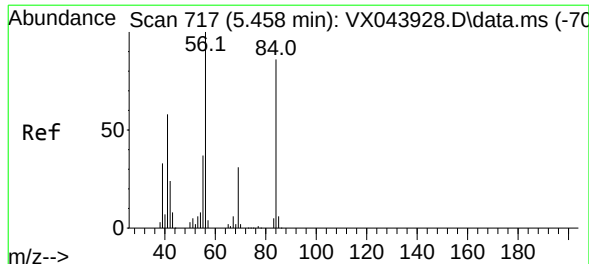
Tgt Ion: 83 Resp: 164031

Ion Ratio Lower Upper

83 100

85 64.8 53.5 80.3





#31

Cyclohexane

Concen: 44.246 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 111053

Ion Ratio Lower Upper

56 100

69 30.4 24.7 37.1

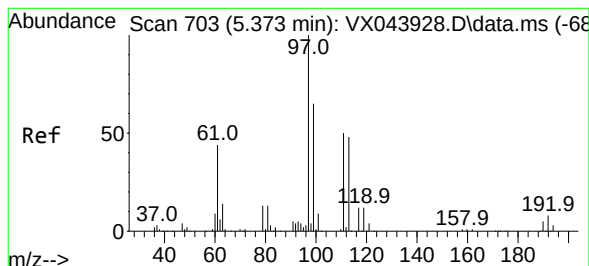
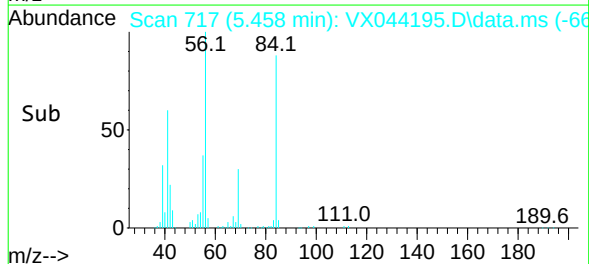
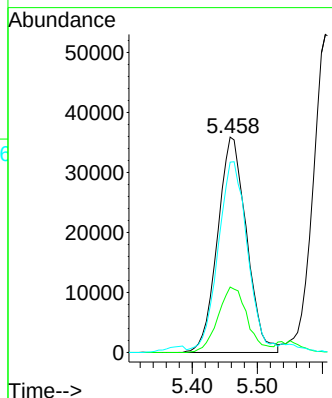
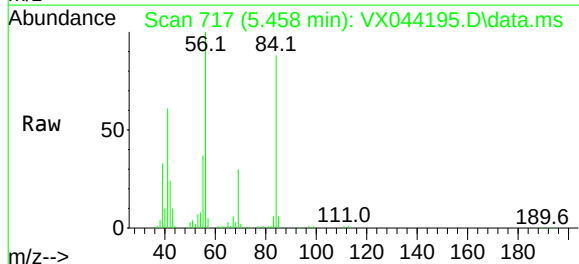
84 85.6 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 49.647 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

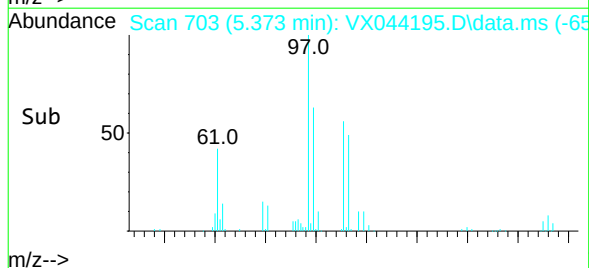
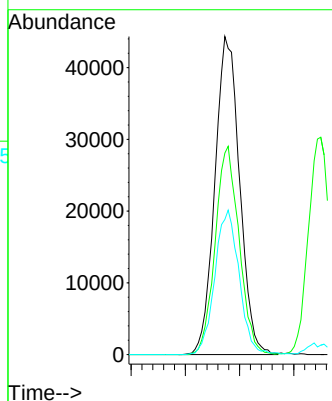
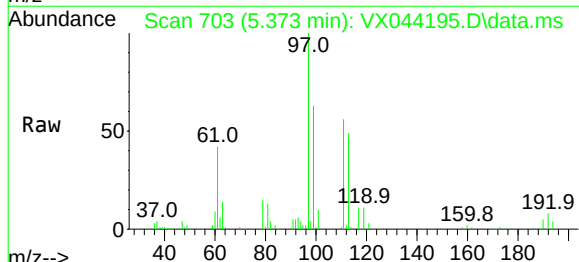
Tgt Ion: 97 Resp: 140424

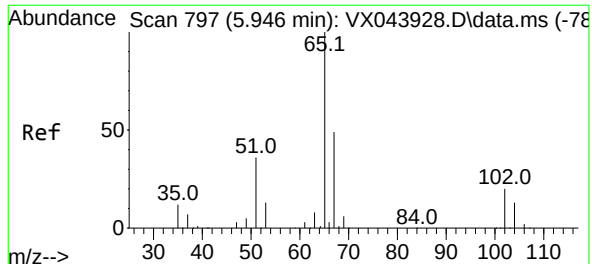
Ion Ratio Lower Upper

97 100

99 63.2 50.8 76.2

61 44.7 35.4 53.2





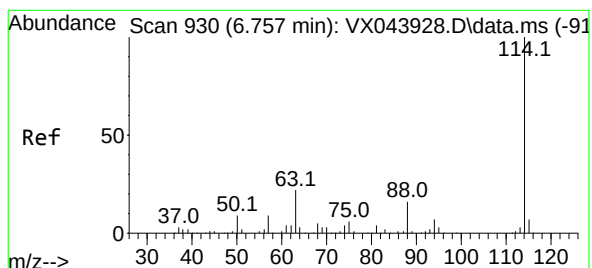
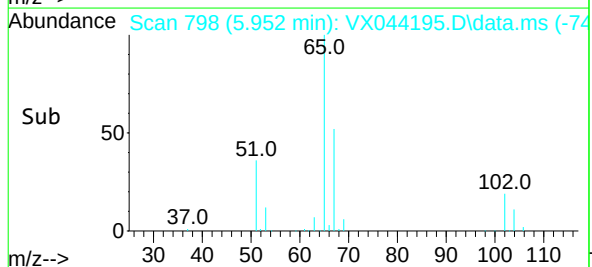
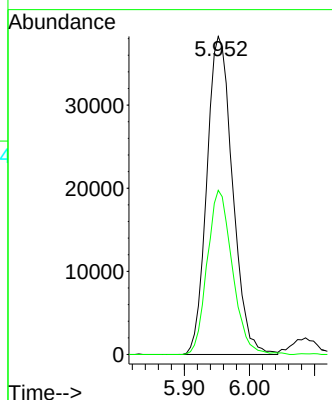
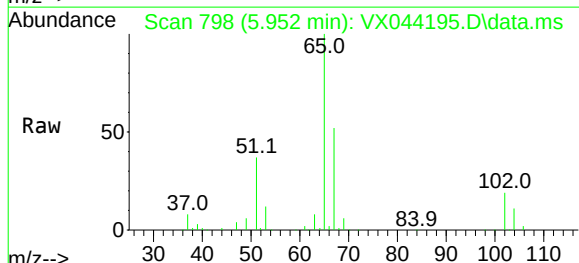
#33
1,2-Dichloroethane-d4
Concen: 46.681 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 105126
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.8

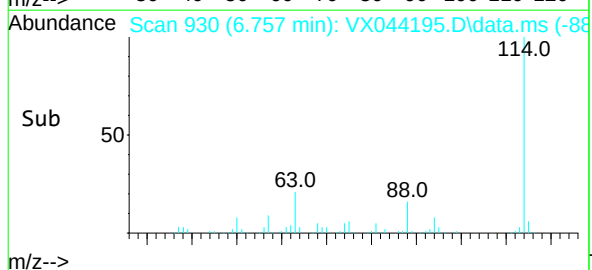
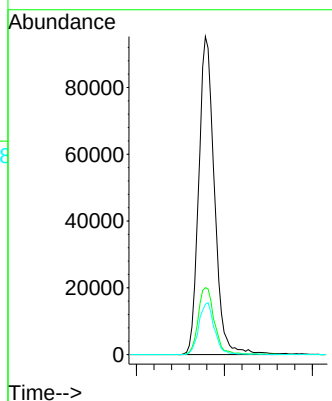
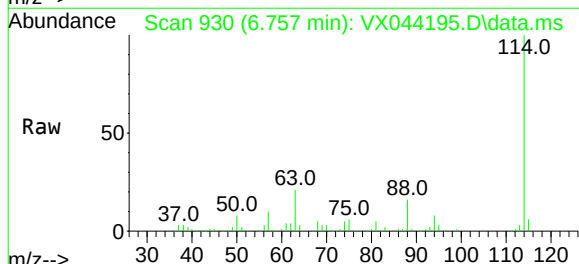
Manual Integrations
APPROVED

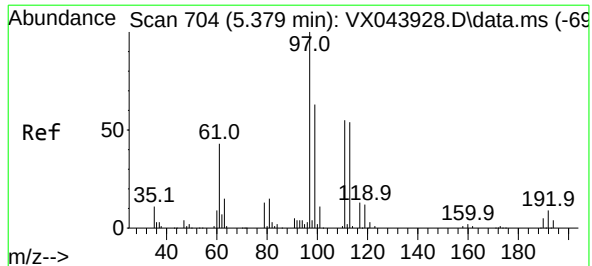
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:114 Resp: 235785
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.0
88 15.8 0.0 32.4





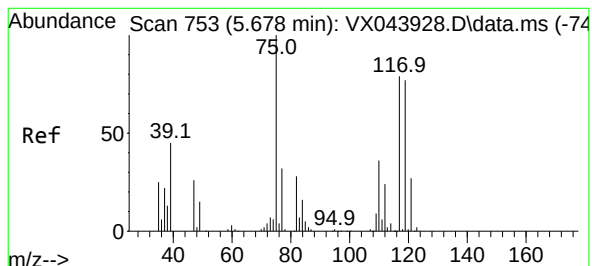
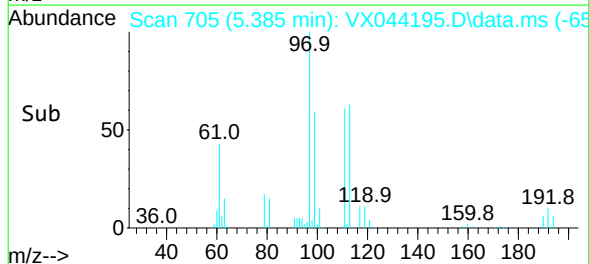
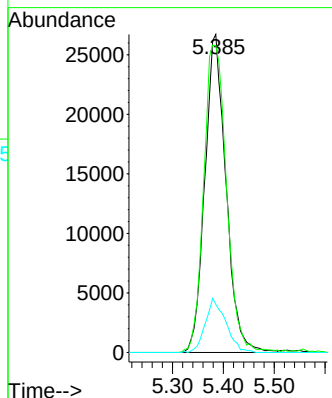
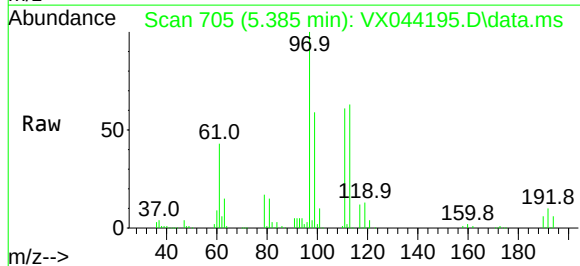
#35
Dibromofluoromethane
Concen: 45.723 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	113	Resp:	77035
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.0	121.4
192	16.6	13.0	19.6

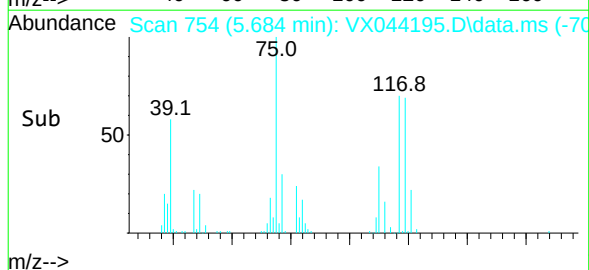
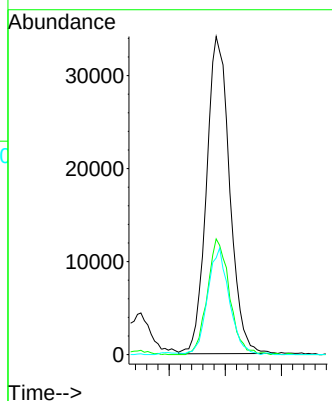
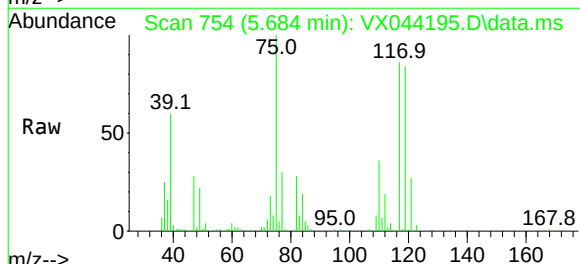
Manual Integrations
APPROVED

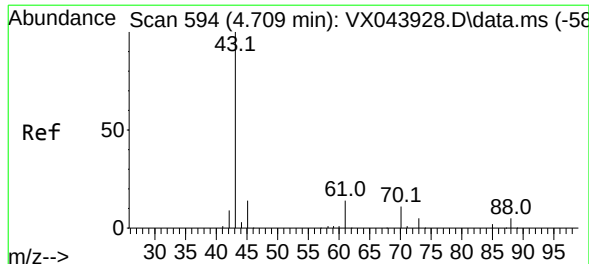
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#36
1,1-Dichloropropene
Concen: 46.667 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:	75	Resp:	97977
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.2	25.8	38.8





#37

Ethyl Acetate

Concen: 49.112 ug/l

RT: 4.721 min Scan# 59

Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 127992

Ion Ratio Lower Upper

43 100

61 12.6 10.7 16.1

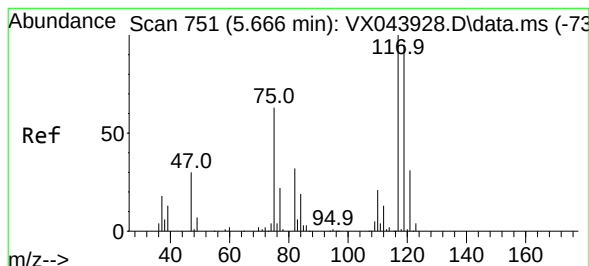
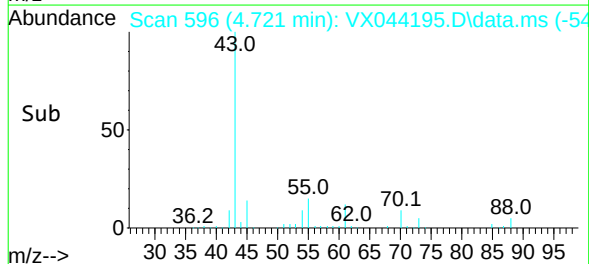
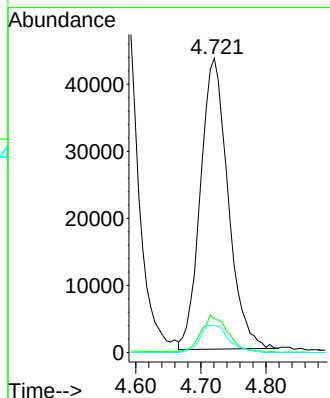
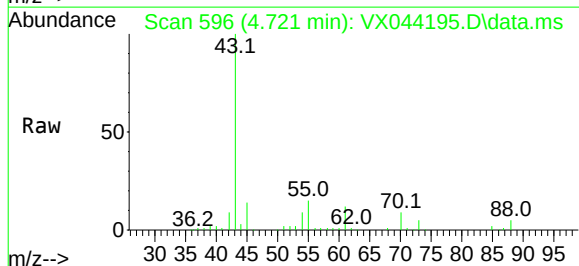
70 9.7 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#38

Carbon Tetrachloride

Concen: 47.113 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

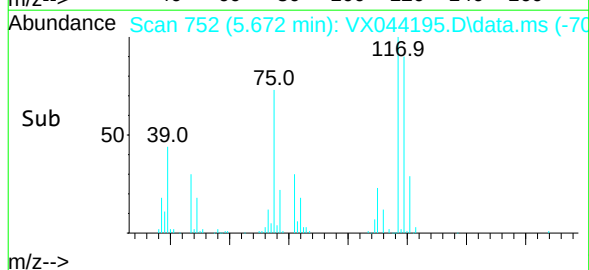
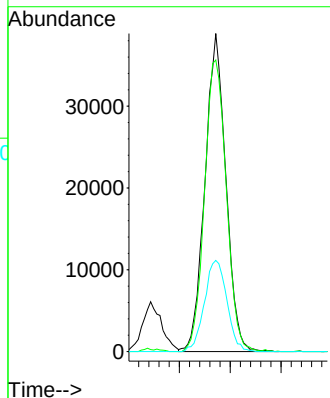
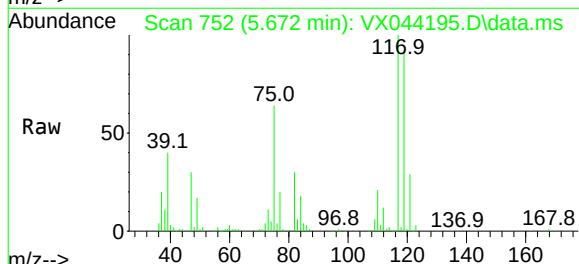
Tgt Ion:117 Resp: 111142

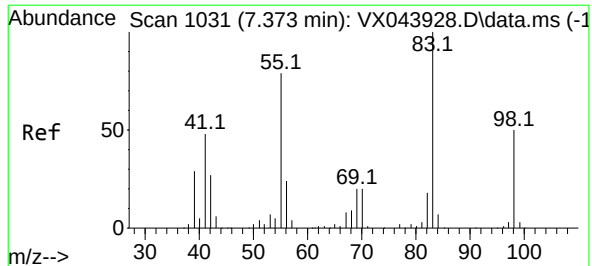
Ion Ratio Lower Upper

117 100

119 91.7 75.2 112.8

121 28.7 24.5 36.7





#39

Methylcyclohexane

Concen: 43.022 ug/l

RT: 7.372 min Scan# 10

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 117340

Ion Ratio Lower Upper

83 100

55 76.4 63.1 94.7

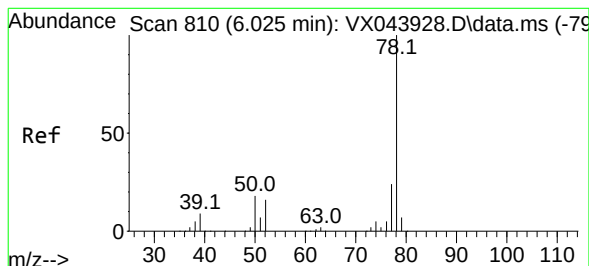
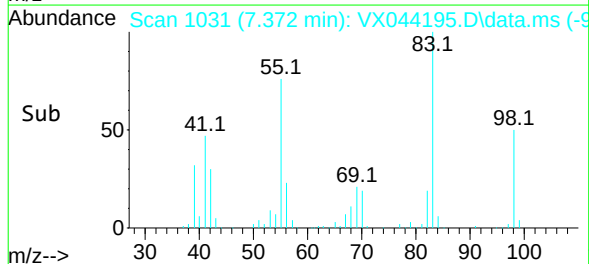
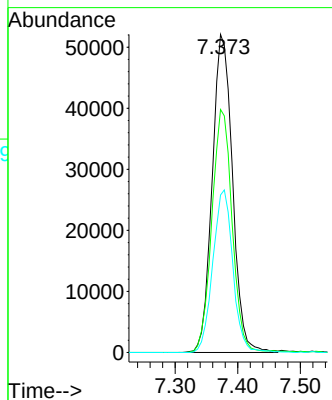
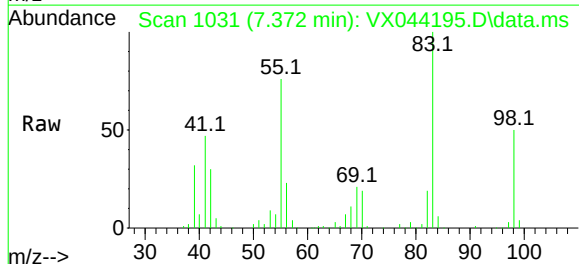
98 49.5 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 47.218 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044195.D

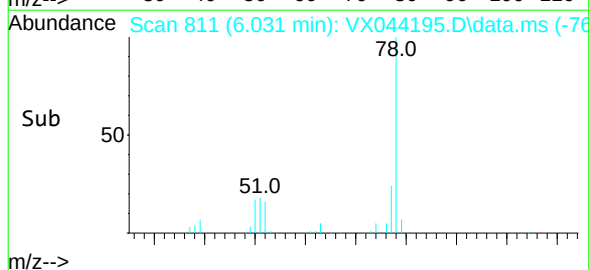
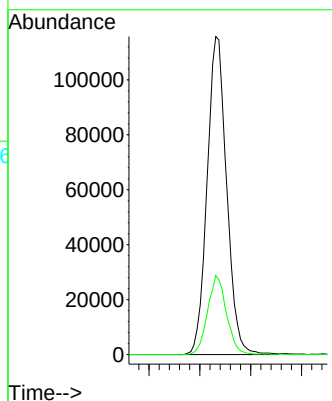
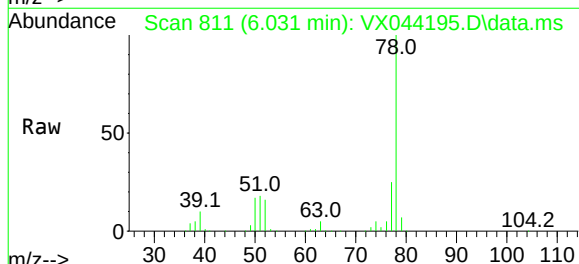
Acq: 09 Dec 2024 18:00

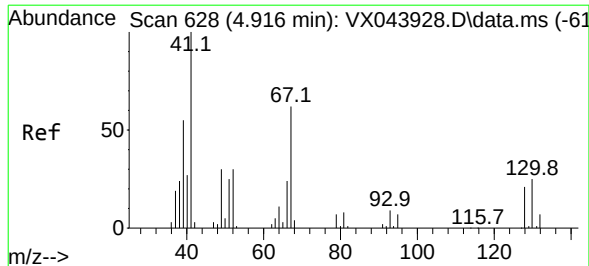
Tgt Ion: 78 Resp: 308789

Ion Ratio Lower Upper

78 100

77 24.9 19.2 28.8





#41

Methacrylonitrile

Concen: 51.129 ug/l

RT: 4.922 min Scan# 62

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 68199

Ion Ratio Lower Upper

41 100

39 57.4 41.7 62.5

67 71.7 55.8 83.8

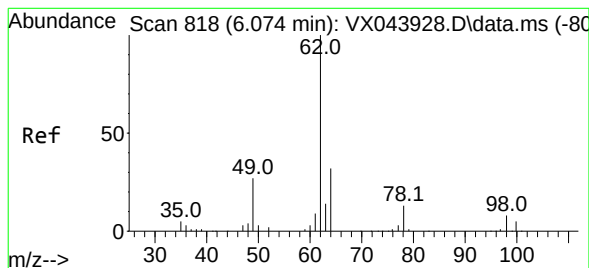
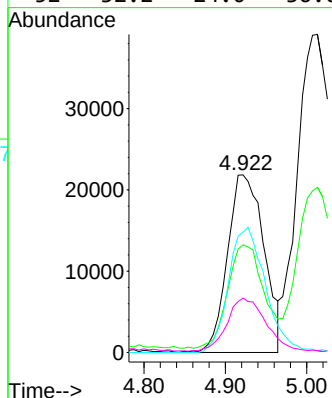
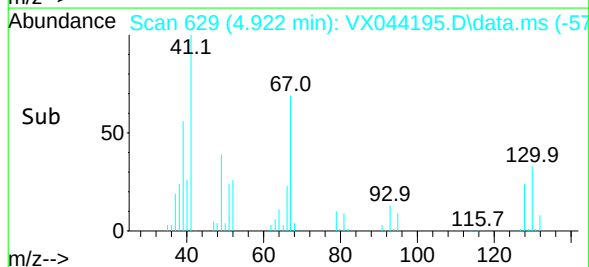
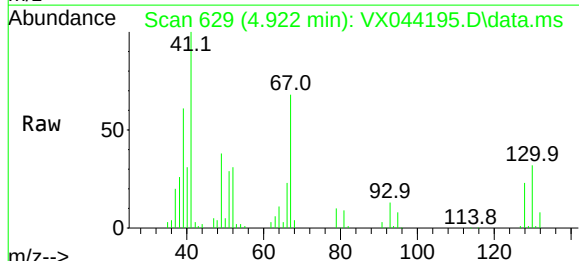
52 32.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 49.190 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.012 min

Lab File: VX044195.D

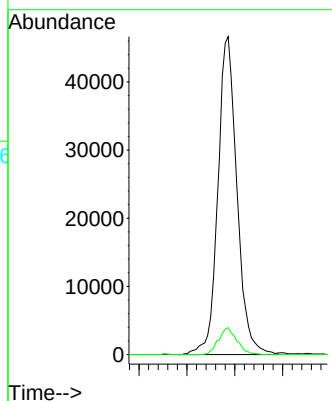
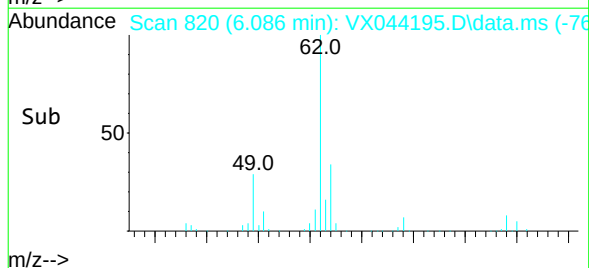
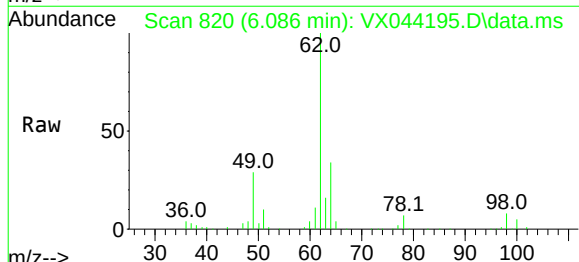
Acq: 09 Dec 2024 18:00

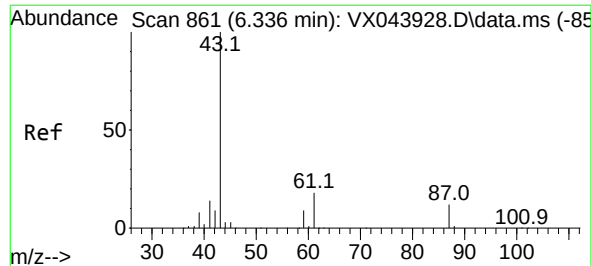
Tgt Ion: 62 Resp: 129196

Ion Ratio Lower Upper

62 100

98 8.1 0.0 16.4





#43

Isopropyl Acetate

Concen: 51.255 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

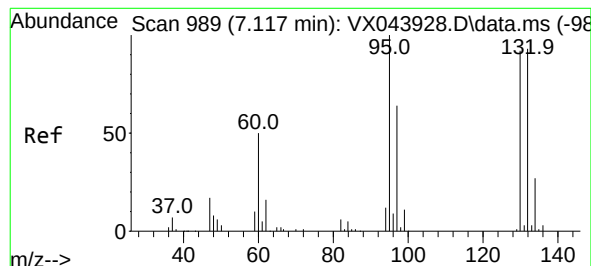
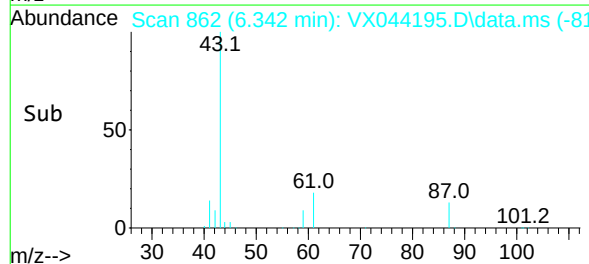
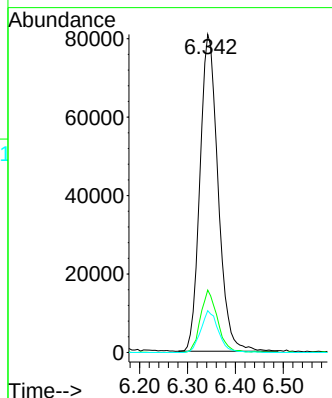
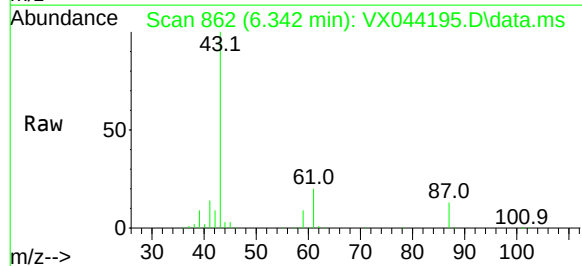
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	212581
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.5	21.7
87	12.7	10.2	15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

Concen: 41.377 ug/l

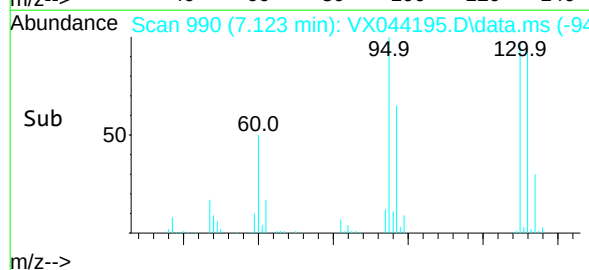
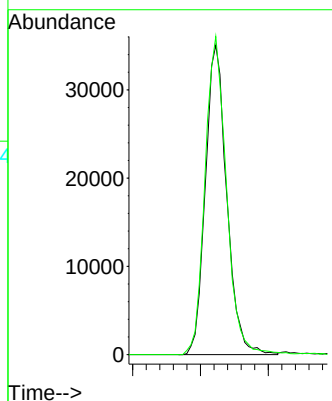
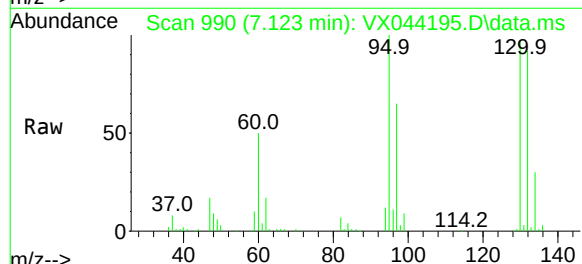
RT: 7.123 min Scan# 990

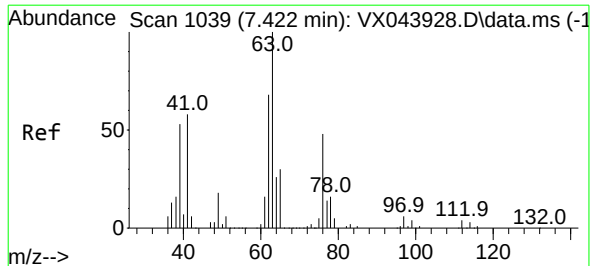
Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	130	Resp:	76601
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	217.8





#45

1,2-Dichloropropane

Concen: 48.435 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 77580

Ion Ratio Lower Upper

63 100

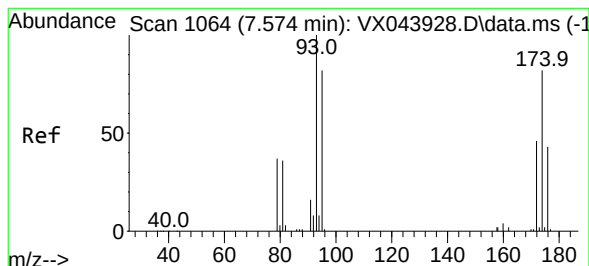
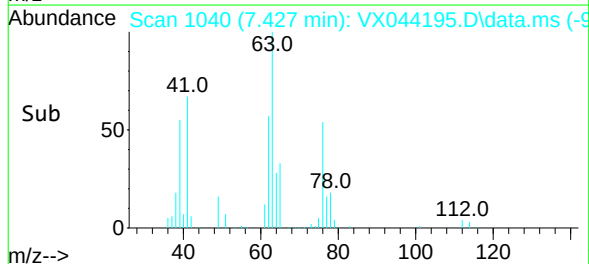
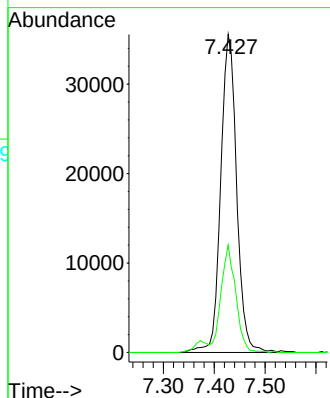
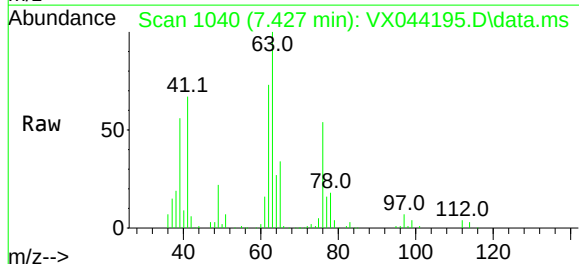
65 33.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#46

Dibromomethane

Concen: 50.484 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

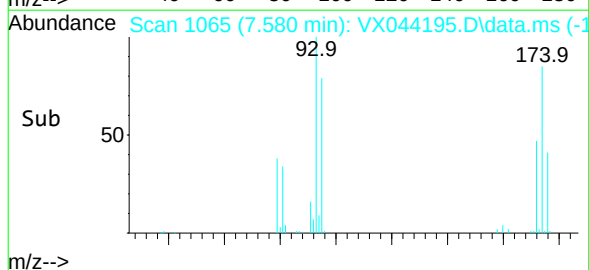
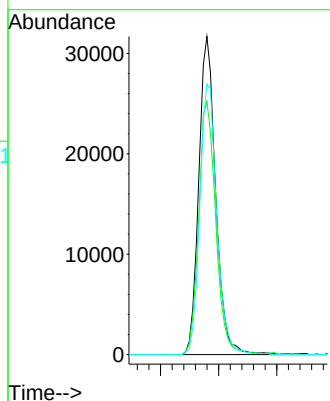
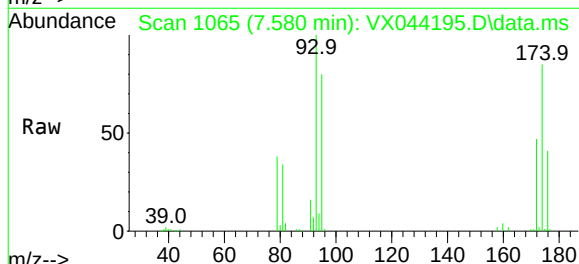
Tgt Ion: 93 Resp: 63965

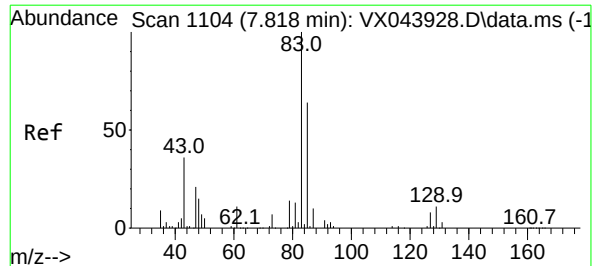
Ion Ratio Lower Upper

93 100

95 80.7 66.2 99.4

174 86.0 69.6 104.4





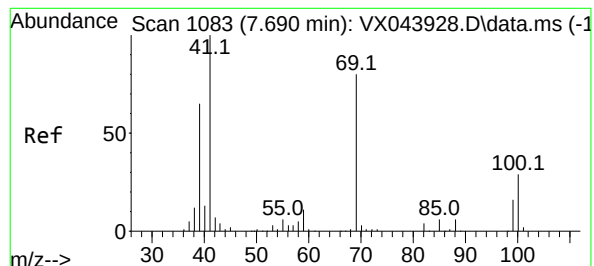
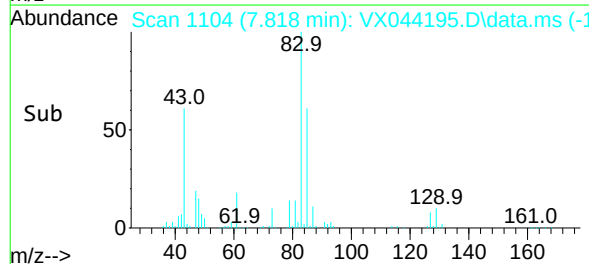
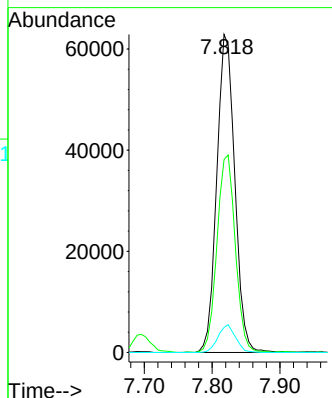
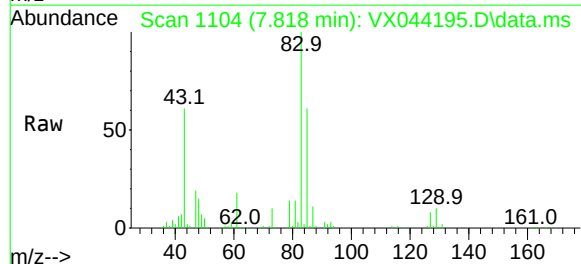
#47
Bromodichloromethane
Concen: 51.205 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 116358
Ion Ratio Lower Upper
83 100
85 60.6 51.4 77.0
127 7.8 6.6 10.0

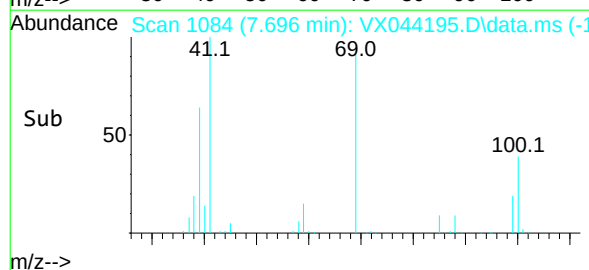
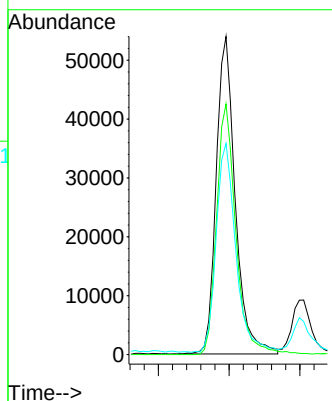
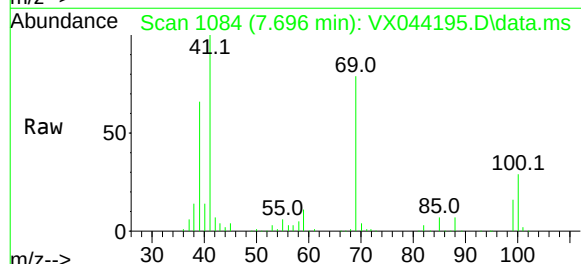
Manual Integrations
APPROVED

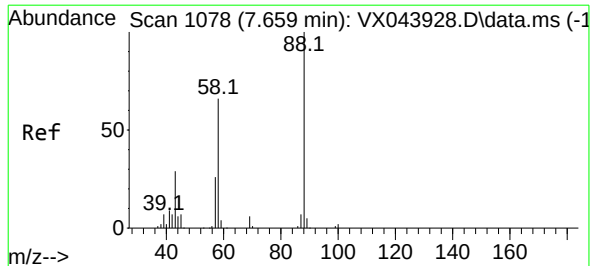
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#48
Methyl methacrylate
Concen: 50.698 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 41 Resp: 100896
Ion Ratio Lower Upper
41 100
69 80.0 64.6 97.0
39 67.5 53.3 79.9





#49

1,4-Dioxane

Concen: 839.512 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 29761

Ion Ratio Lower Upper

88 100

43 38.1 26.8 40.2

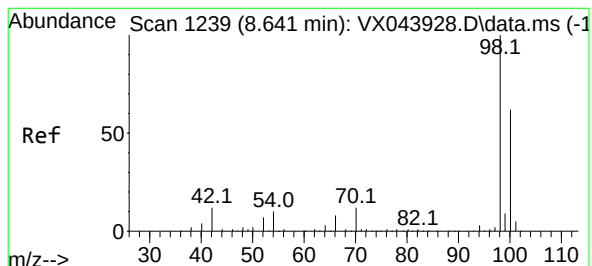
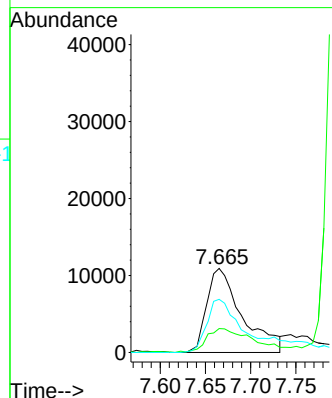
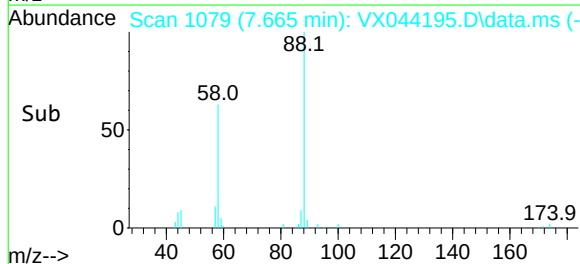
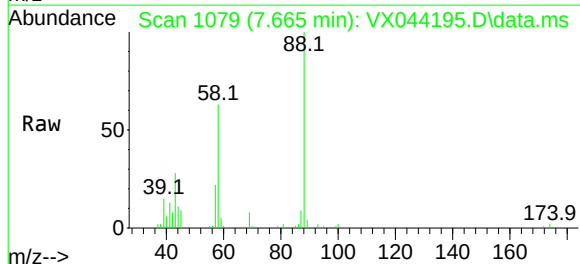
58 76.2 45.4 68.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 44.830 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044195.D

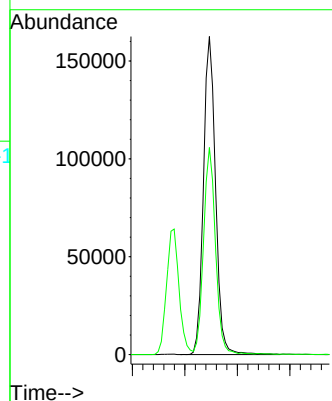
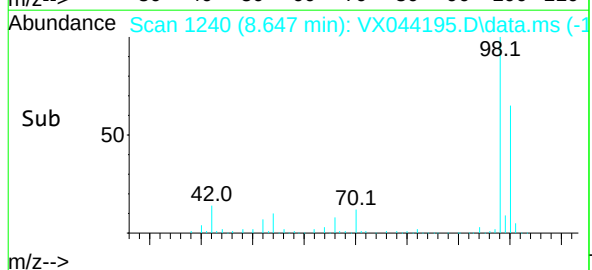
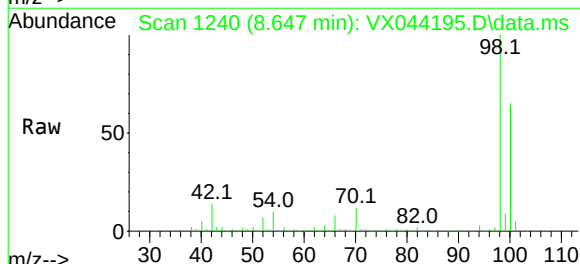
Acq: 09 Dec 2024 18:00

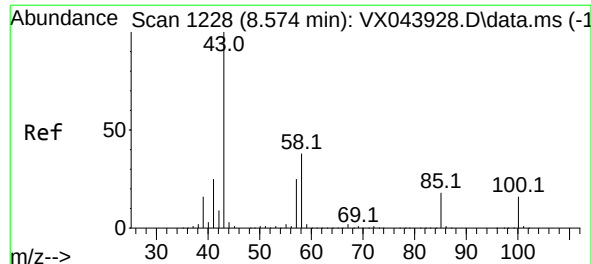
Tgt Ion: 98 Resp: 260361

Ion Ratio Lower Upper

98 100

100 63.7 52.6 79.0





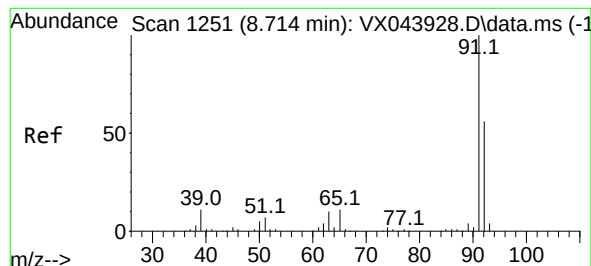
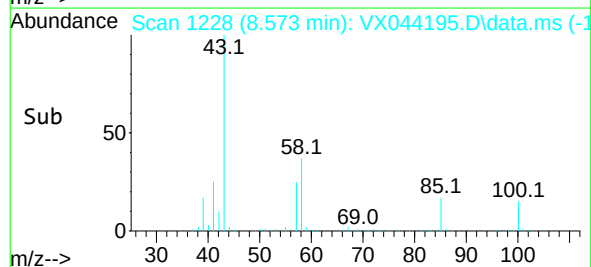
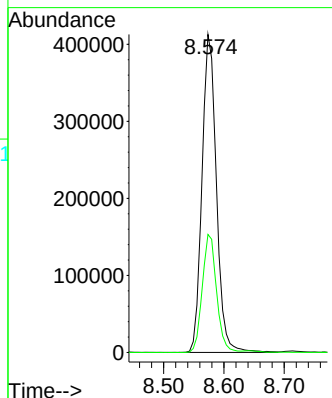
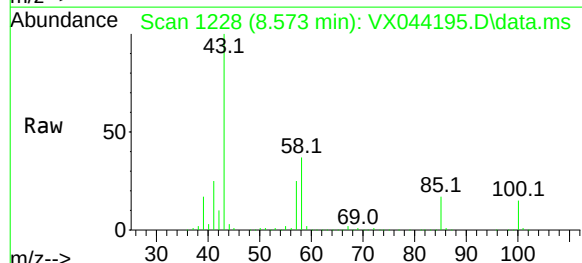
#51
4-Methyl-2-Pentanone
Concen: 270.971 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 685832
Ion Ratio Lower Upper
43 100
58 36.8 30.0 45.0

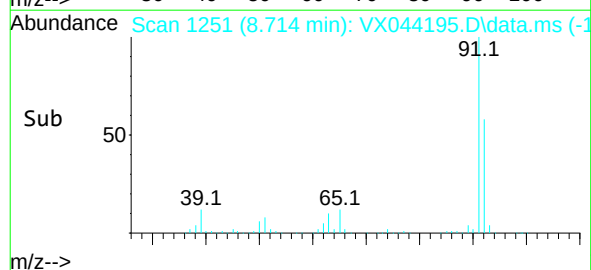
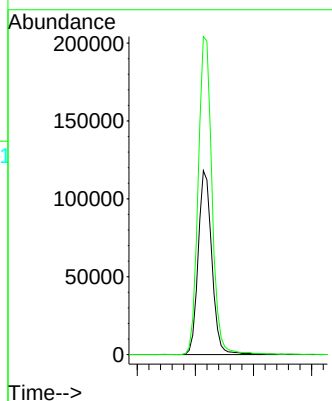
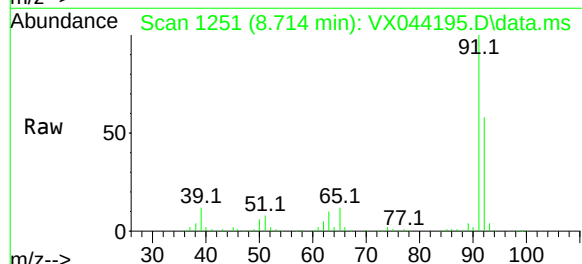
Manual Integrations
APPROVED

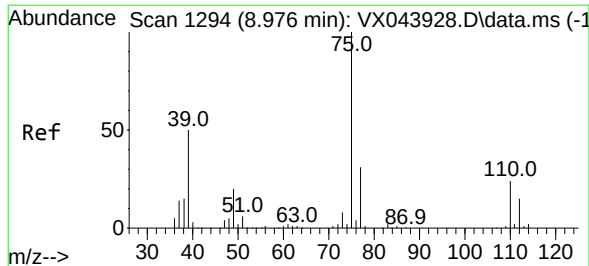
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#52
Toluene
Concen: 49.168 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 92 Resp: 192454
Ion Ratio Lower Upper
92 100
91 175.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 50.850 ug/l

RT: 8.976 min Scan# 12

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 117834

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

Instrument :

MSVOA_X

ClientSampleId :

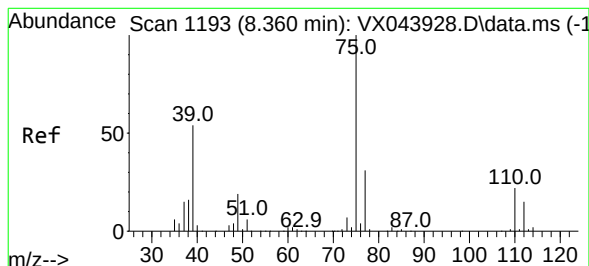
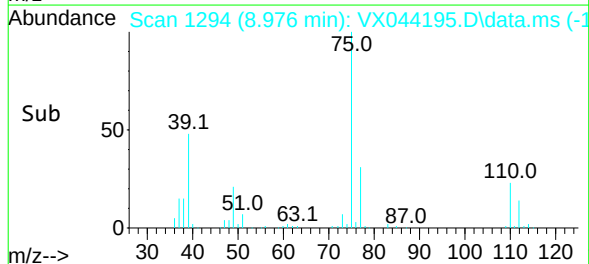
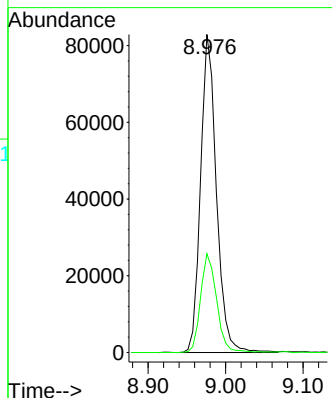
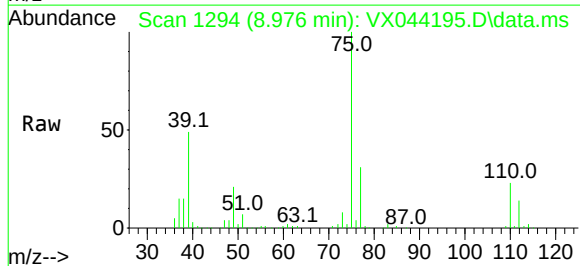
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#54

cis-1,3-Dichloropropene

Concen: 48.710 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

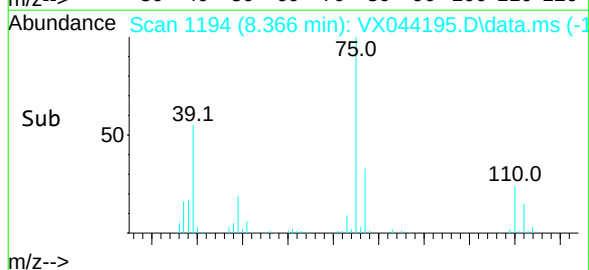
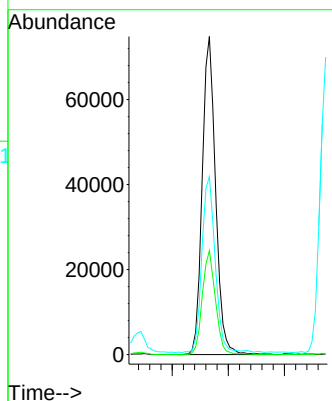
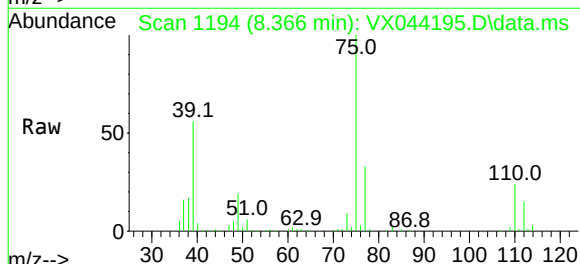
Tgt Ion: 75 Resp: 123739

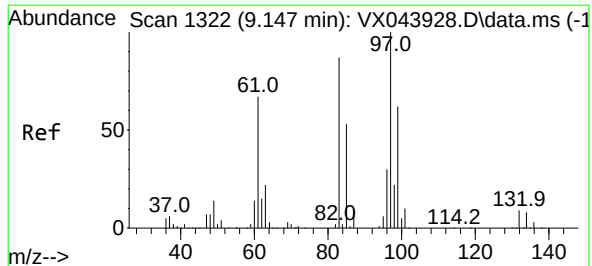
Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

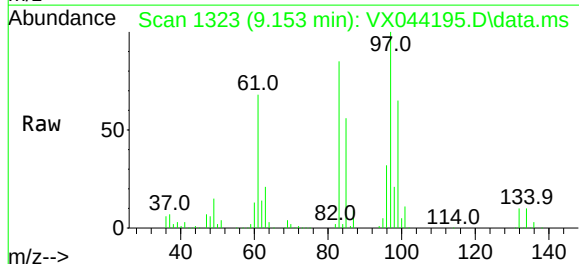
39 55.2 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 50.724 ug/l
RT: 9.153 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

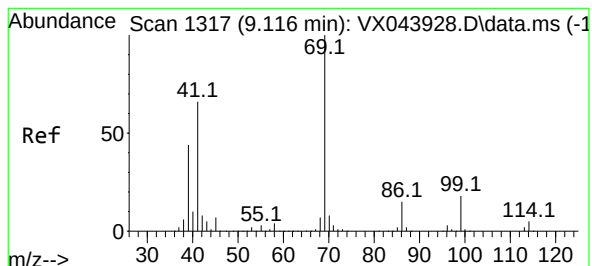
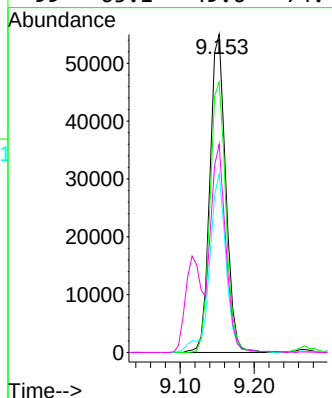
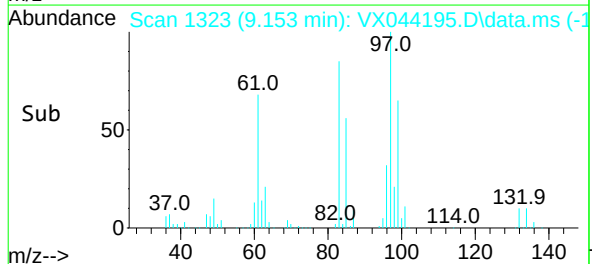
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



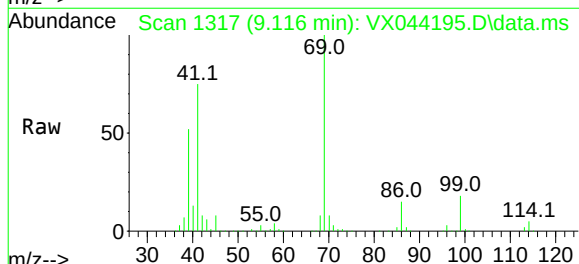
Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.4	104.0
85	56.0	42.3	63.5
99	65.1	49.6	74.4

Manual Integrations
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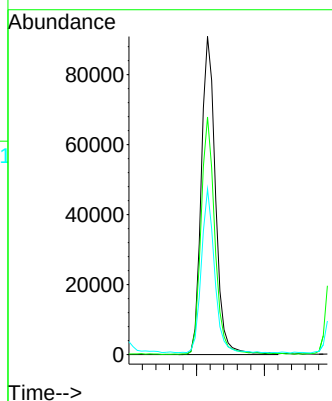
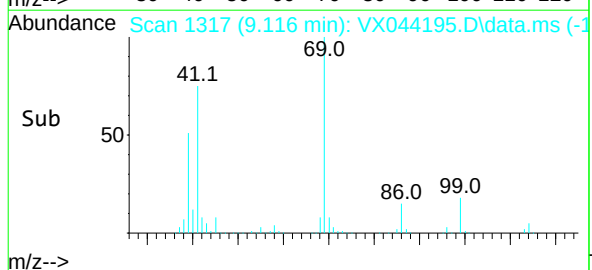
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

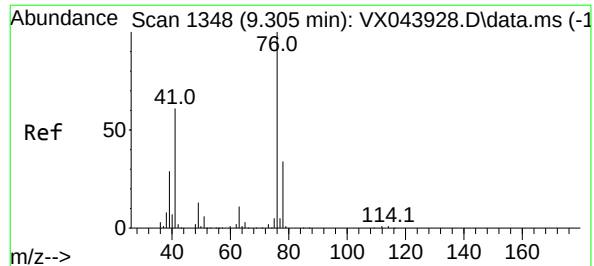


#56
Ethyl methacrylate
Concen: 52.529 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00



Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.8	83.8
39	47.8	36.7	55.1





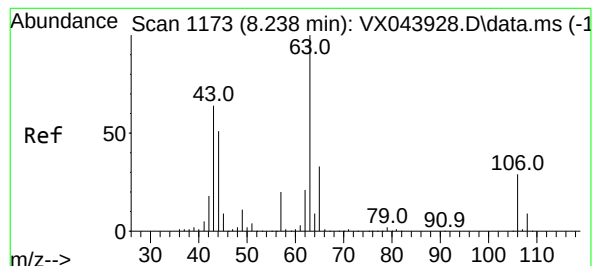
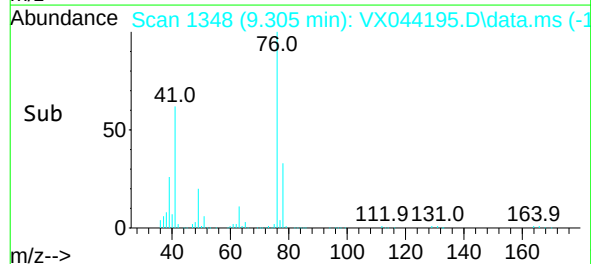
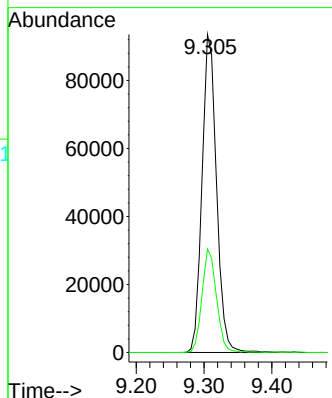
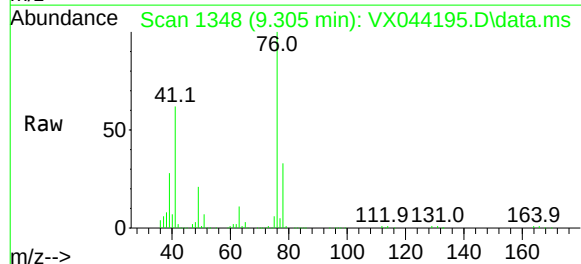
#57
1,3-Dichloropropane
Concen: 50.900 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 138542
Ion Ratio Lower Upper
76 100
78 32.6 26.0 39.0

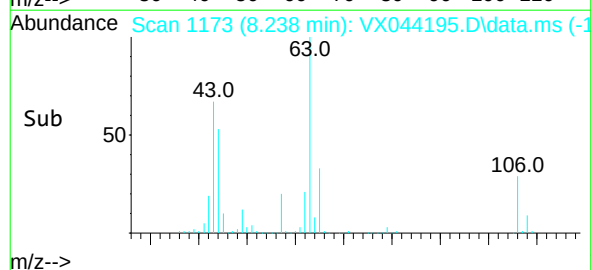
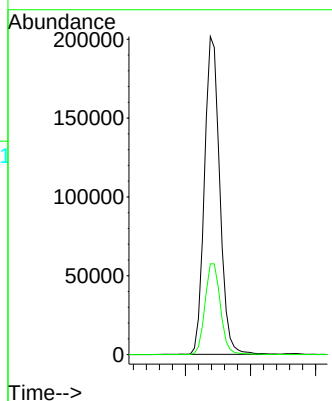
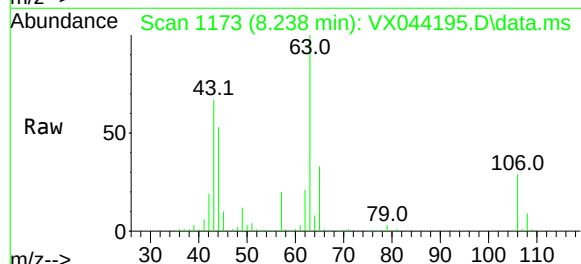
Manual Integrations
APPROVED

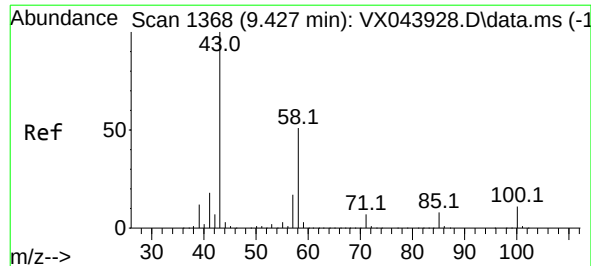
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#58
2-Chloroethyl Vinyl ether
Concen: 238.340 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 63 Resp: 328935
Ion Ratio Lower Upper
63 100
106 28.9 23.0 34.6





#59

2-Hexanone

Concen: 270.331 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 514271

Ion Ratio Lower Upper

43 100

58 50.7 25.9 77.6

Instrument :

MSVOA_X

ClientSampleId :

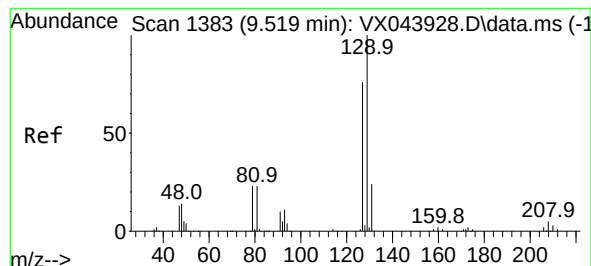
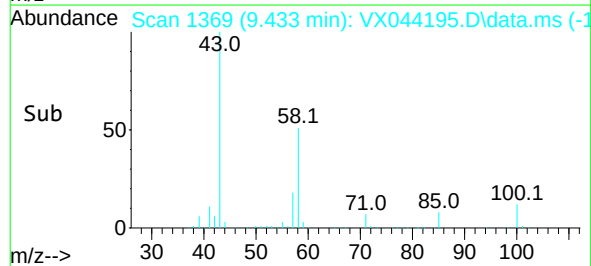
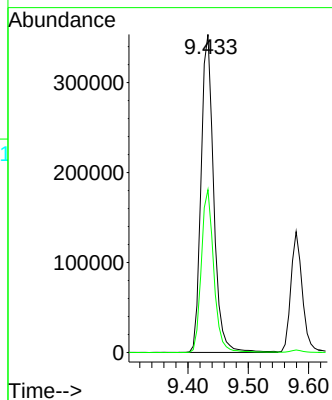
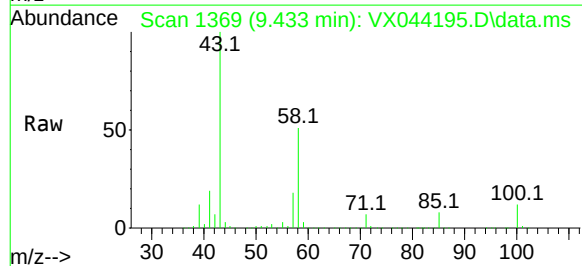
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#60

Dibromochloromethane

Concen: 50.698 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044195.D

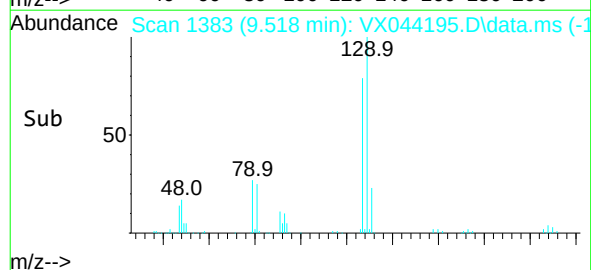
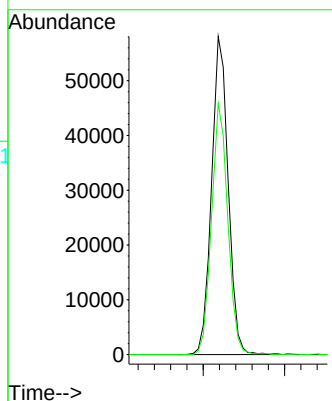
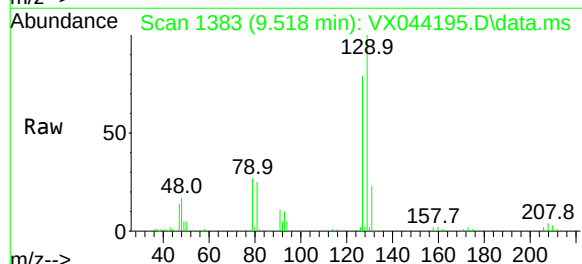
Acq: 09 Dec 2024 18:00

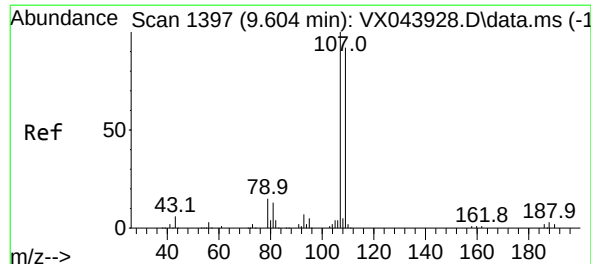
Tgt Ion:129 Resp: 82189

Ion Ratio Lower Upper

129 100

127 77.6 38.2 114.6





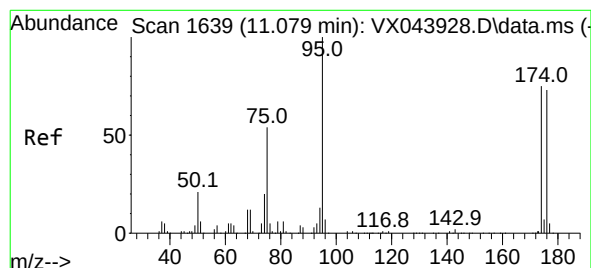
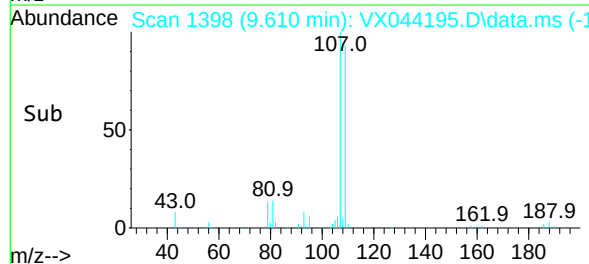
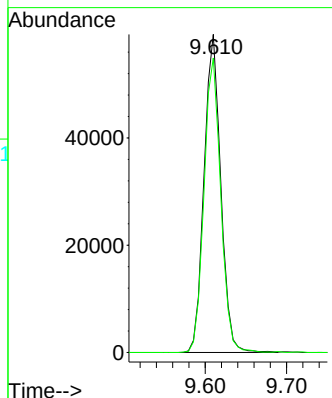
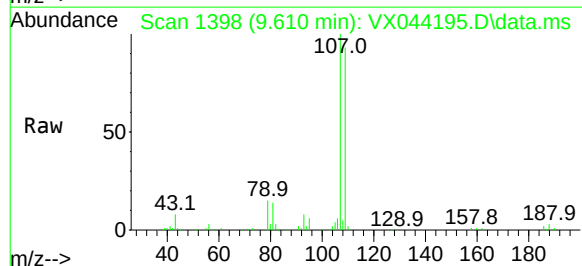
#61
1,2-Dibromoethane
Concen: 51.728 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 107 Resp: 84512
Ion Ratio Lower Upper
107 100
109 92.9 75.2 112.8

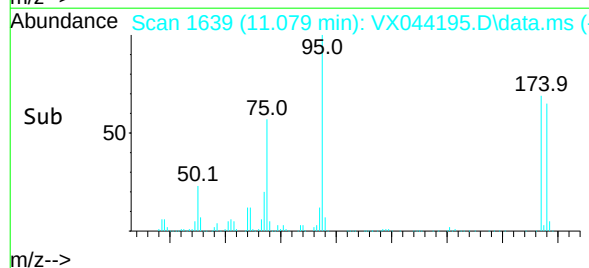
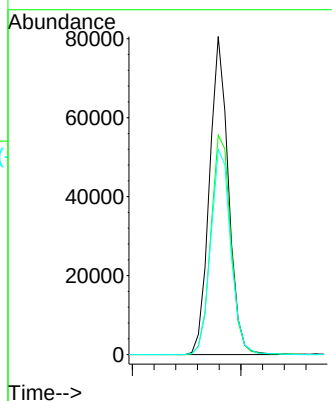
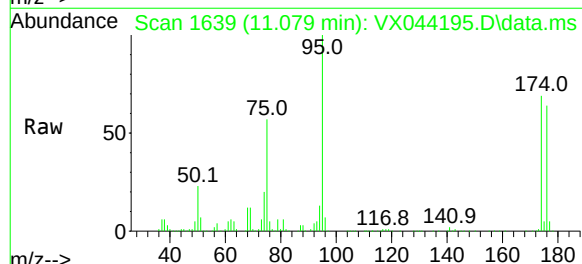
Manual Integrations
APPROVED

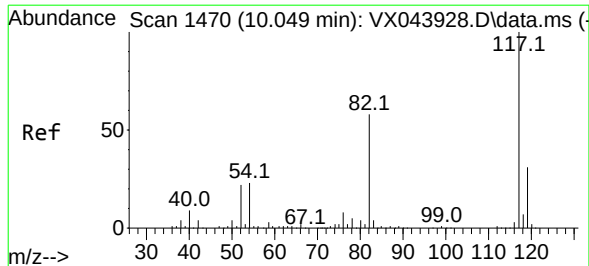
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 95 Resp: 97692
Ion Ratio Lower Upper
95 100
174 72.6 0.0 150.4
176 68.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

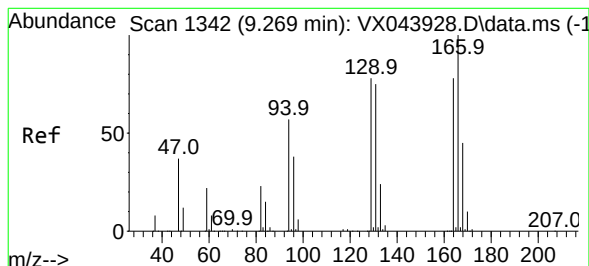
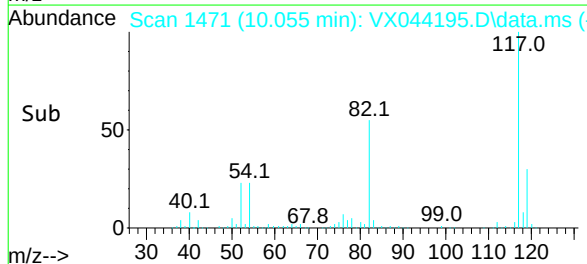
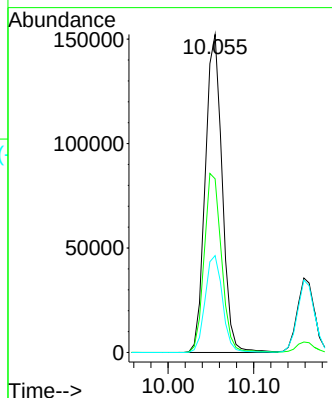
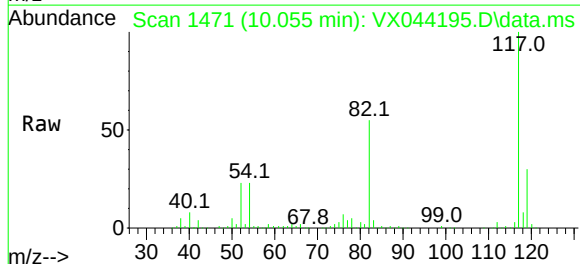
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	117	Resp:	208853
Ion	Ratio	Lower	Upper
117	100		
82	54.6	46.4	69.6
119	30.5	24.6	37.0

Manual Integrations
APPROVEDReviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

#64

Tetrachloroethene

Concen: 46.478 ug/l

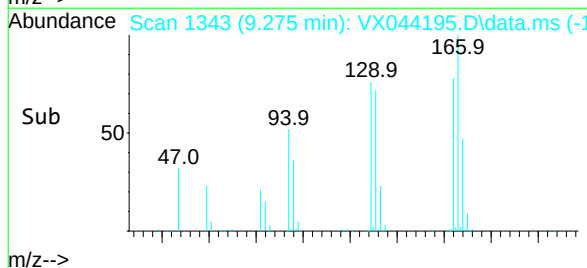
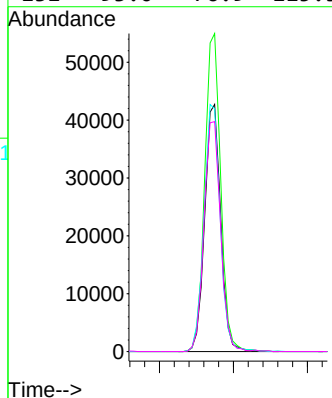
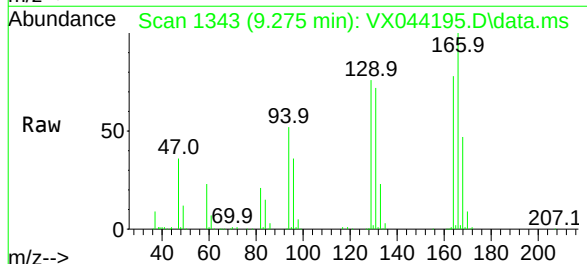
RT: 9.275 min Scan# 1343

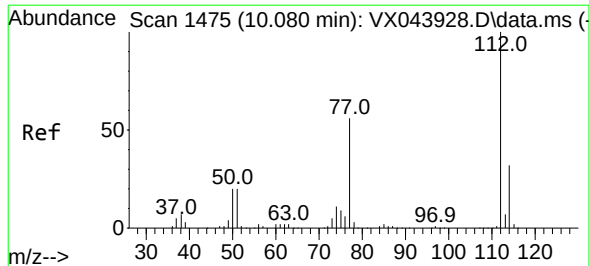
Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	164	Resp:	64007
Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.1	153.1
129	98.2	79.6	119.4
131	93.0	76.9	115.3





#65

Chlorobenzene

Concen: 47.426 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 217542

Ion Ratio Lower Upper

112 100

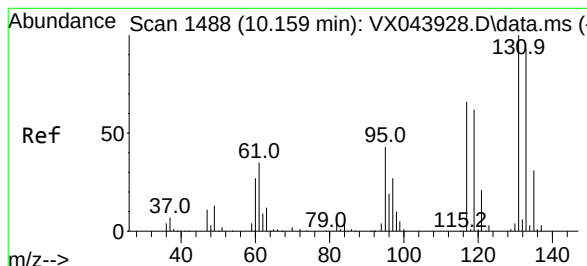
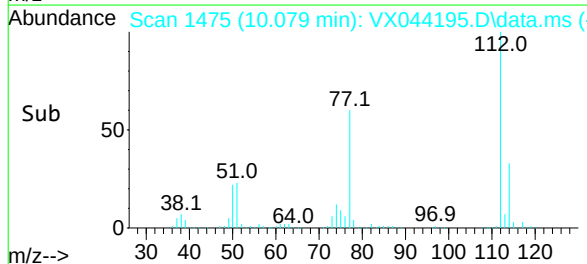
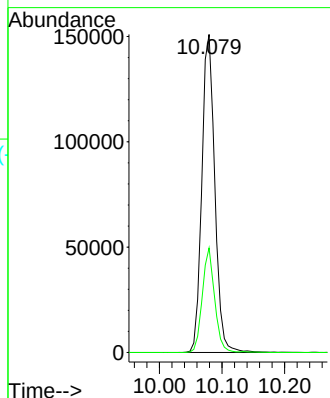
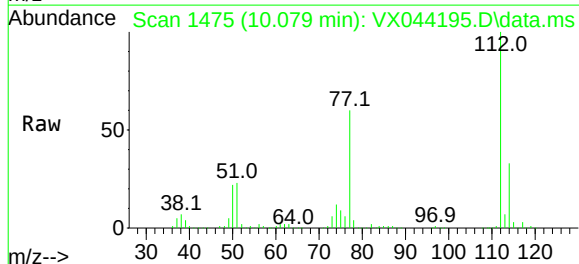
114 32.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 50.596 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

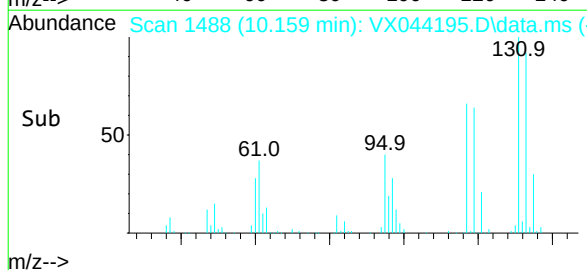
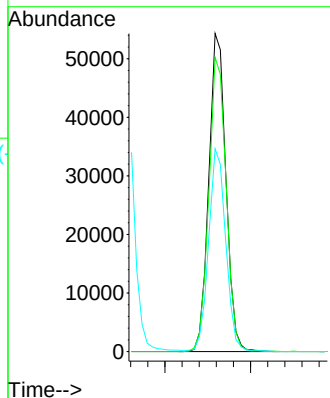
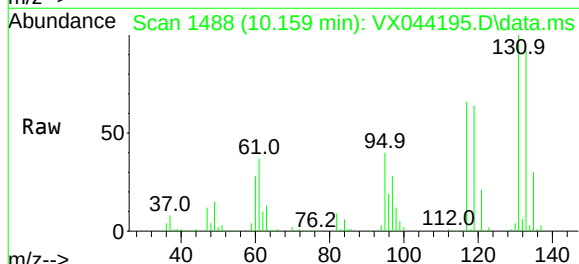
Tgt Ion:131 Resp: 75268

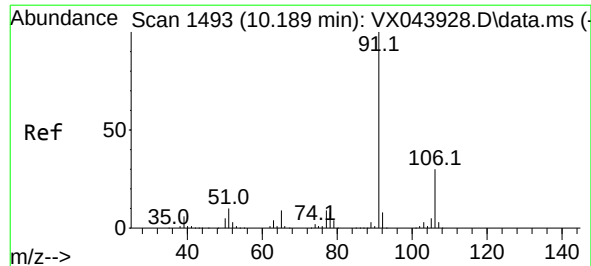
Ion Ratio Lower Upper

131 100

133 93.8 48.2 144.6

119 64.1 31.5 94.5





#67

Ethyl Benzene

Concen: 49.105 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 381676

Ion Ratio Lower Upper

91 100

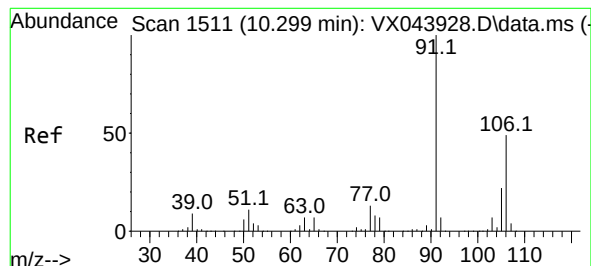
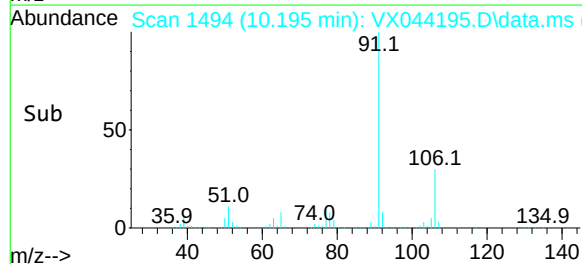
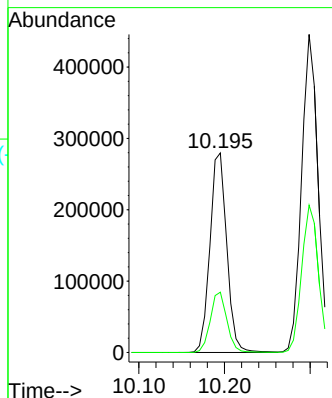
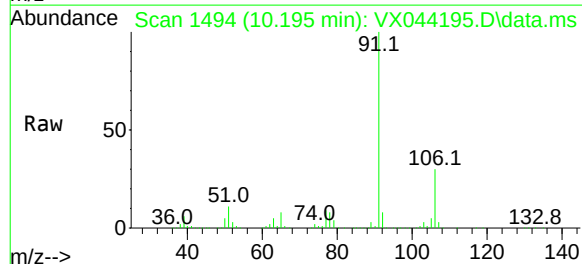
106 30.2 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 97.773 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044195.D

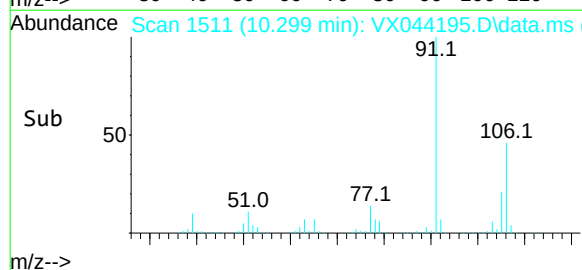
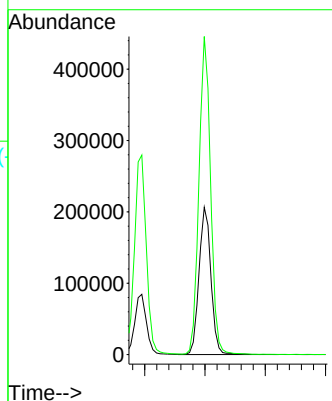
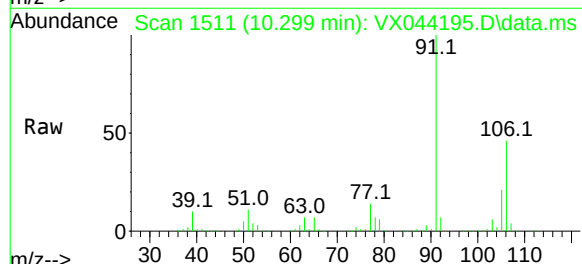
Acq: 09 Dec 2024 18:00

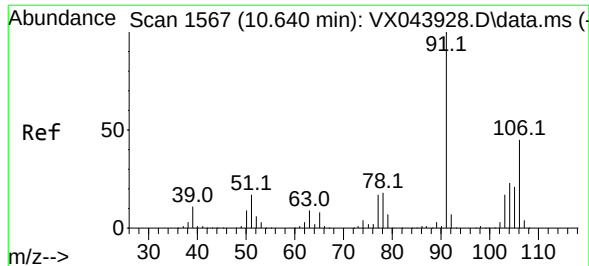
Tgt Ion:106 Resp: 283405

Ion Ratio Lower Upper

106 100

91 210.2 168.1 252.1





#69

o-Xylene

Concen: 50.284 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 142308

Ion Ratio Lower Upper

106 100

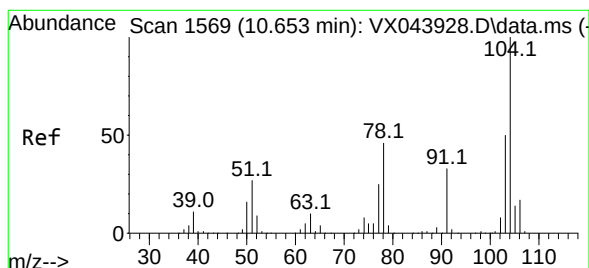
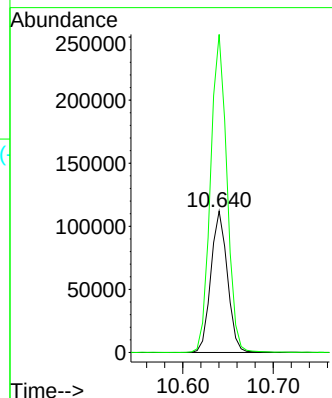
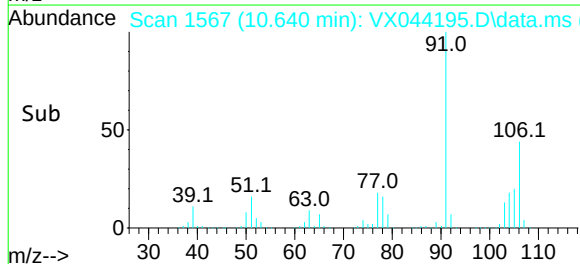
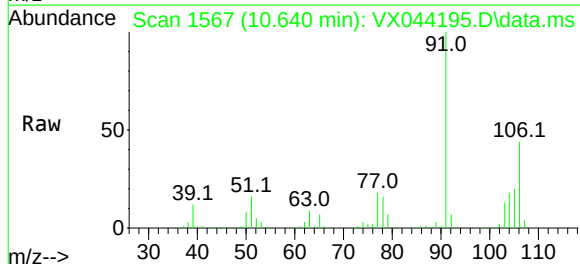
91 223.1 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 50.577 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

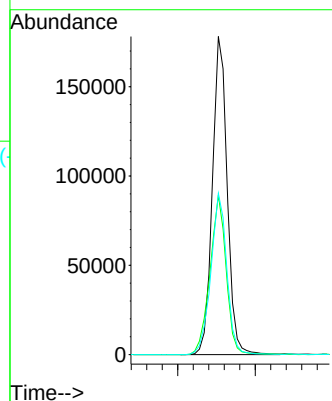
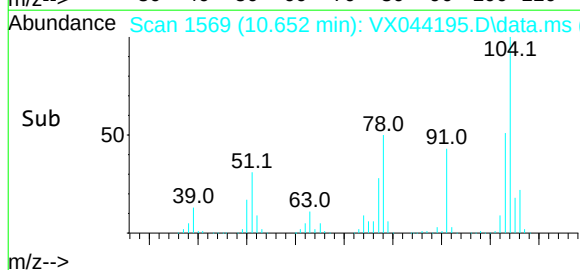
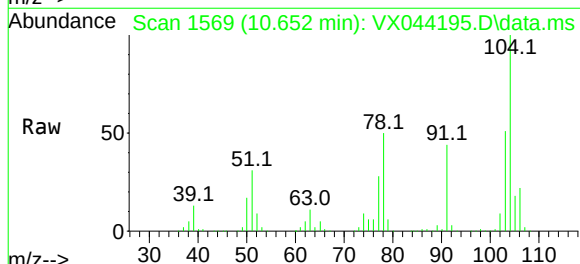
Tgt Ion:104 Resp: 236741

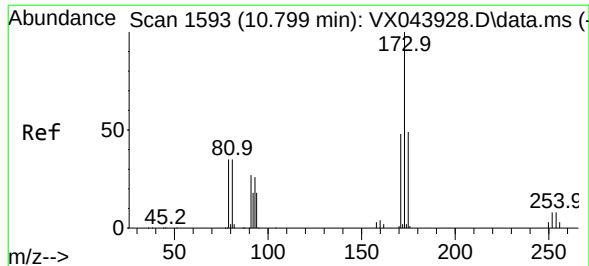
Ion Ratio Lower Upper

104 100

78 54.7 42.2 63.2

103 54.7 44.7 67.1





#71

Bromoform

Concen: 44.729 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 50122

Ion Ratio Lower Upper

173 100

175 47.5 24.1 72.2

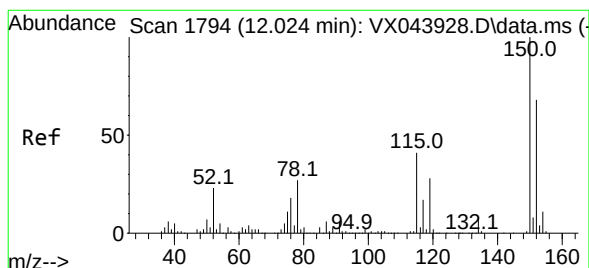
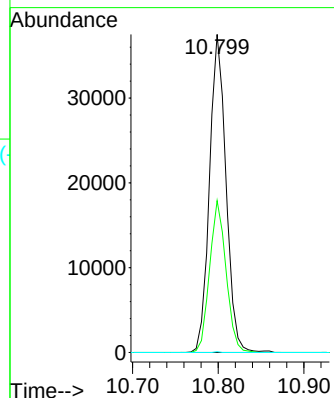
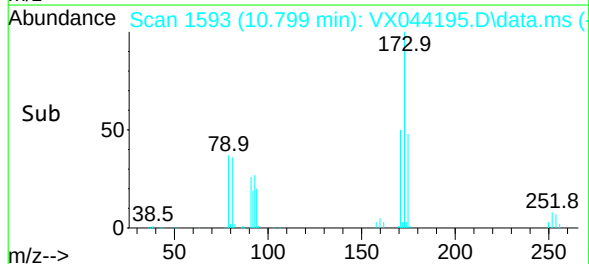
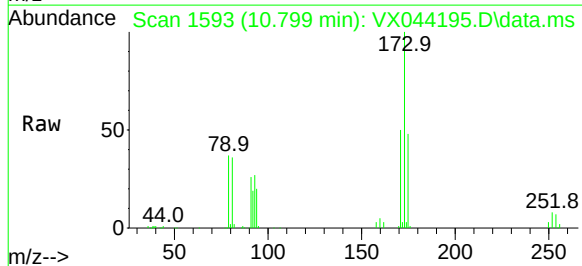
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

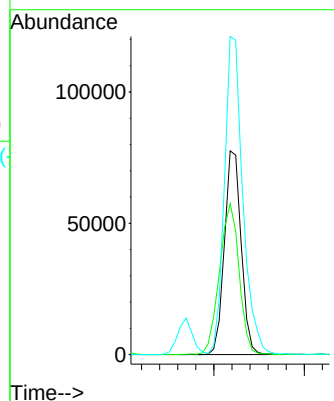
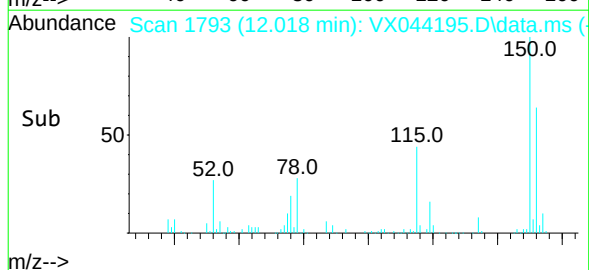
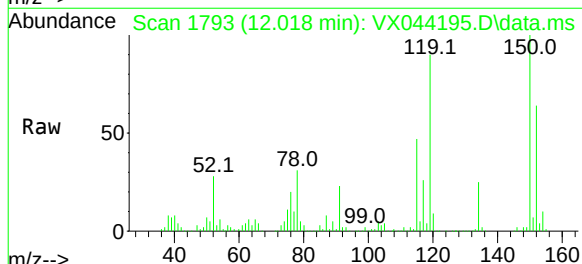
Tgt Ion:152 Resp: 99726

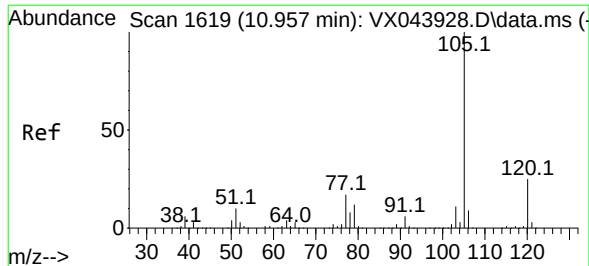
Ion Ratio Lower Upper

152 100

115 86.9 45.4 136.2

150 171.8 0.0 353.0





#73

Isopropylbenzene

Concen: 47.738 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion: 105 Resp: 365951

Ion Ratio Lower Upper

105 100

120 25.6 13.0 38.9

Instrument :

MSVOA_X

ClientSampleId :

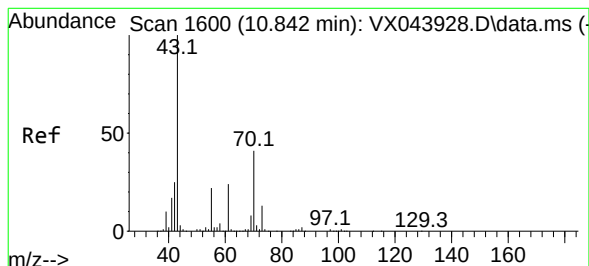
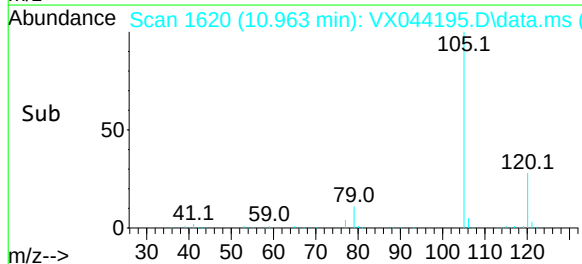
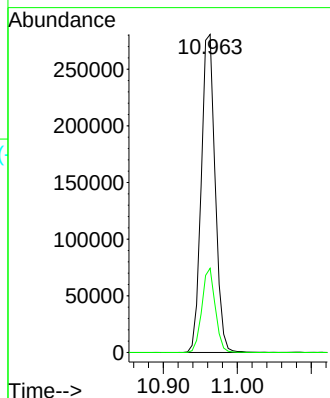
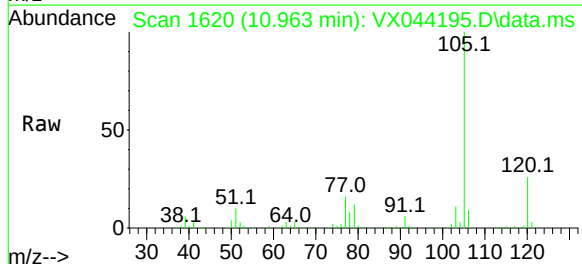
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 52.058 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 184869

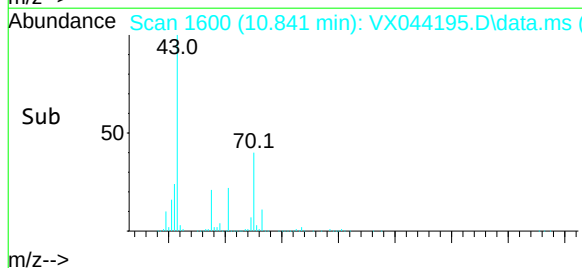
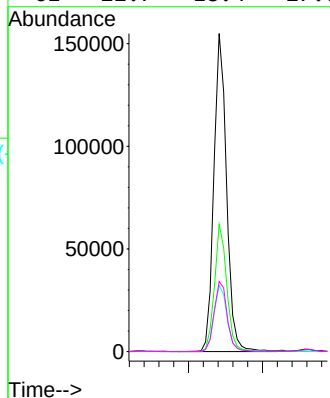
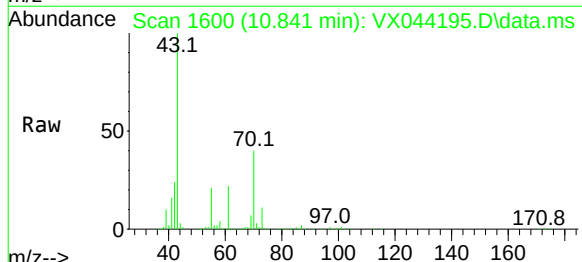
Ion Ratio Lower Upper

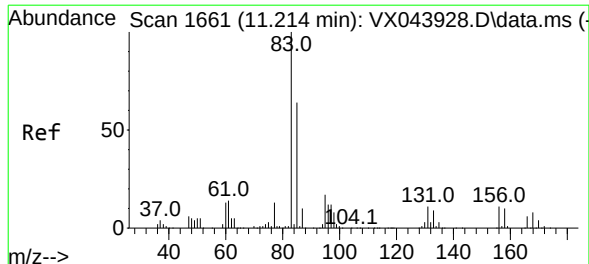
43 100

70 38.8 32.2 48.2

55 21.8 18.1 27.1

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.557 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

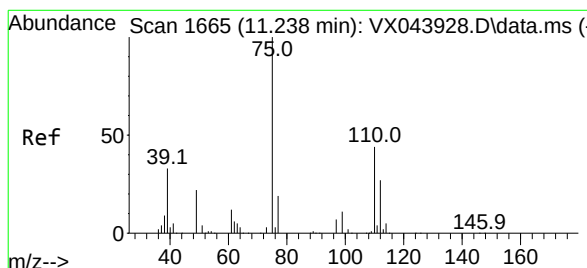
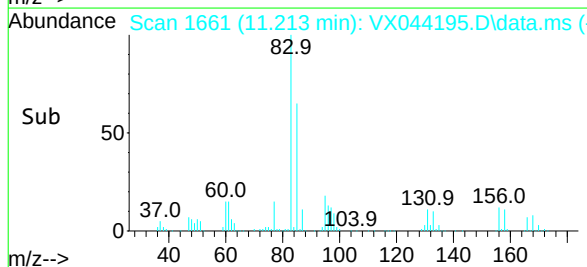
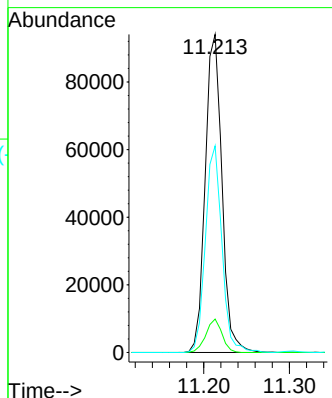
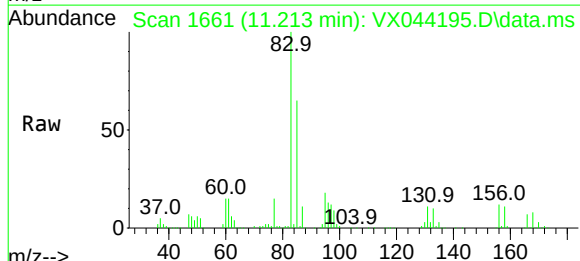
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	127456
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.3	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 49.455 ug/l m

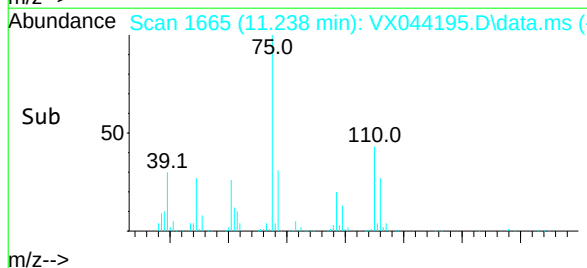
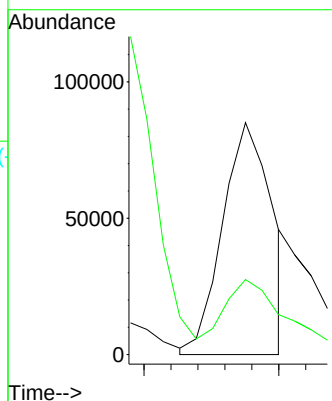
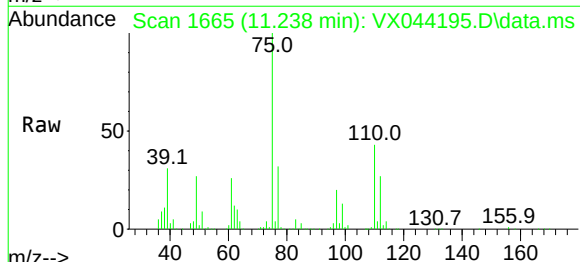
RT: 11.238 min Scan# 1665

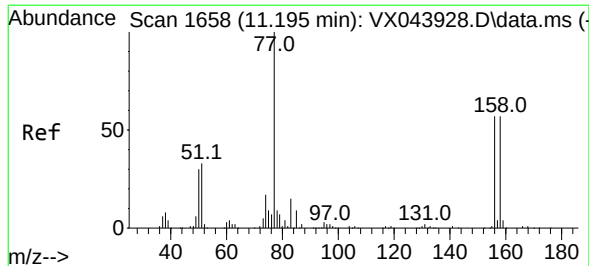
Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	75	Resp:	108157
Ion	Ratio	Lower	Upper
75	100		
77	42.3	21.8	65.3





#77

Bromobenzene

Concen: 47.832 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:156 Resp: 87469

Ion Ratio Lower Upper

156 100

77 166.6 83.4 250.1

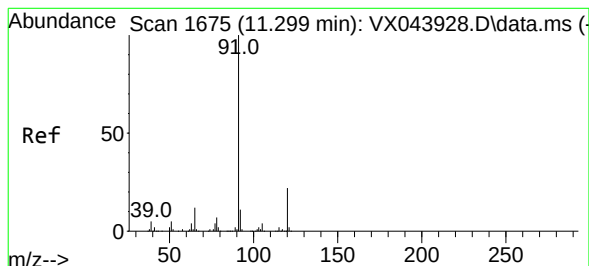
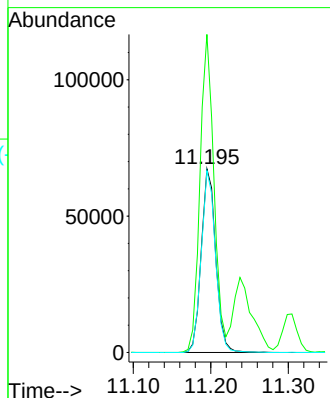
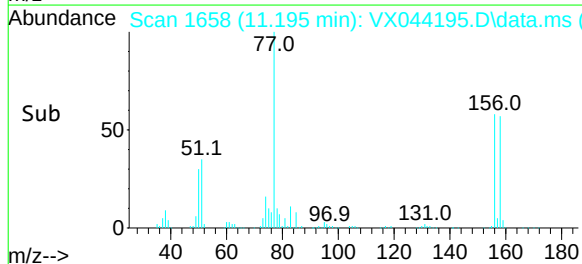
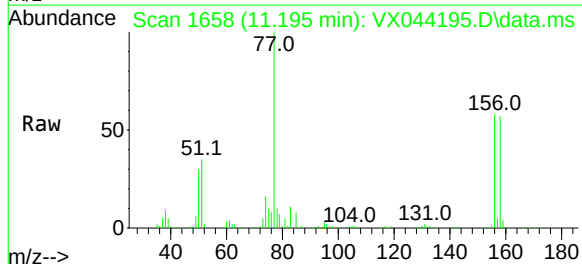
158 97.2 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#78

n-propylbenzene

Concen: 48.877 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044195.D

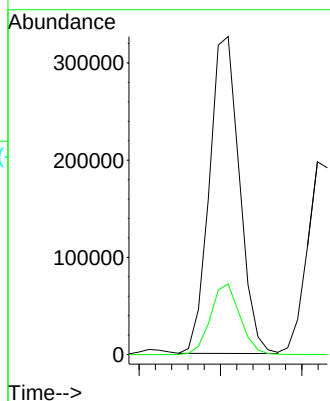
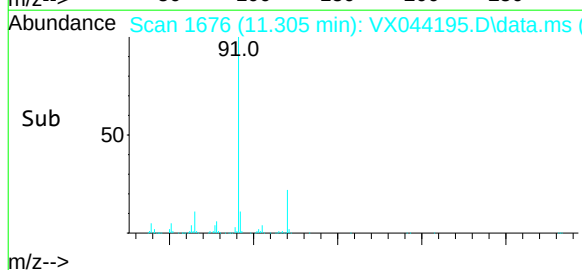
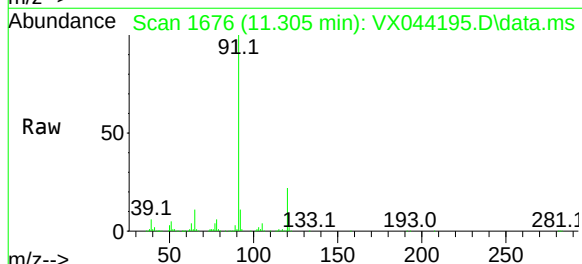
Acq: 09 Dec 2024 18:00

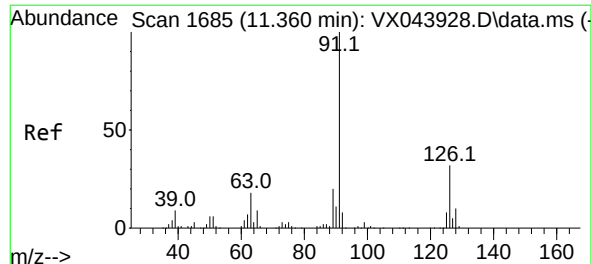
Tgt Ion: 91 Resp: 418467

Ion Ratio Lower Upper

91 100

120 21.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 47.354 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 256367

Ion Ratio Lower Upper

91 100

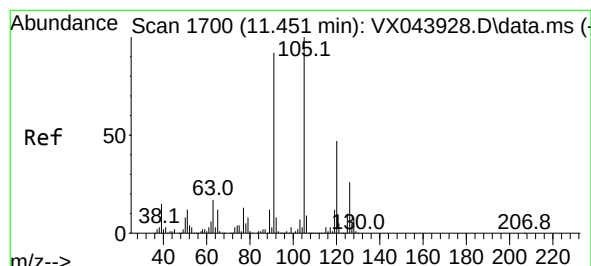
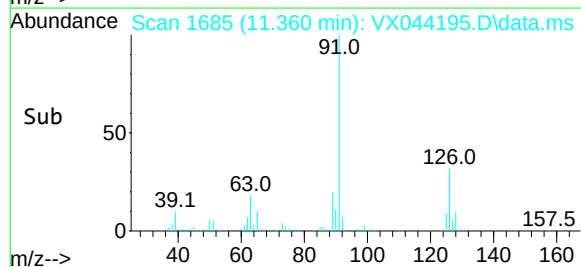
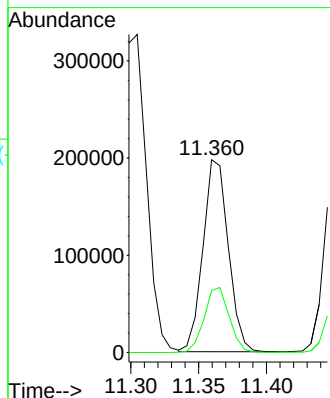
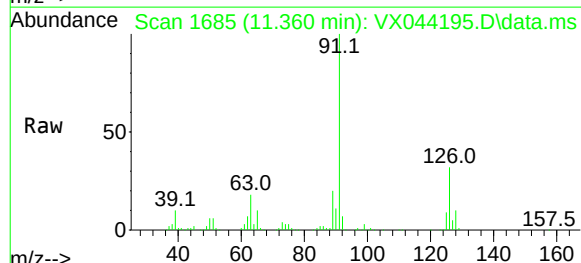
126 33.6 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 49.438 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044195.D

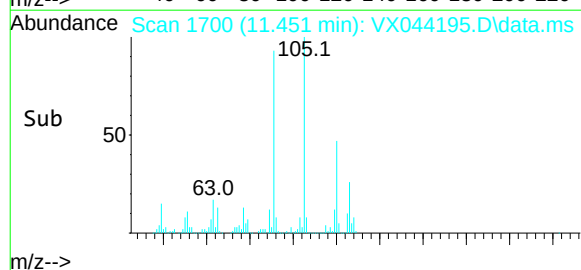
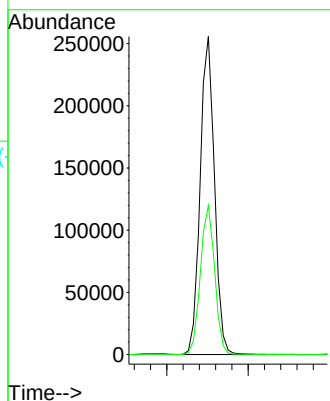
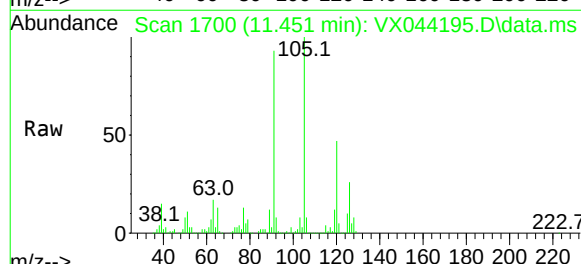
Acq: 09 Dec 2024 18:00

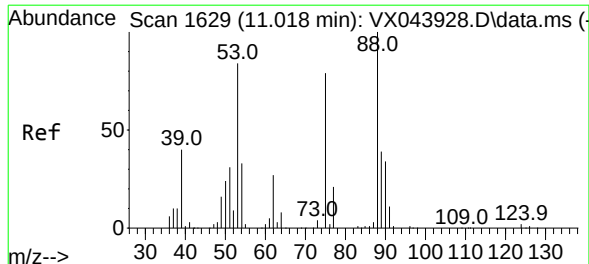
Tgt Ion:105 Resp: 311795

Ion Ratio Lower Upper

105 100

120 46.8 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.064 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

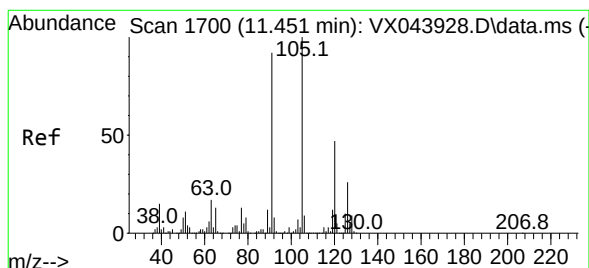
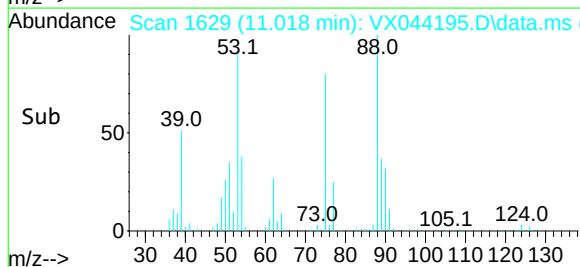
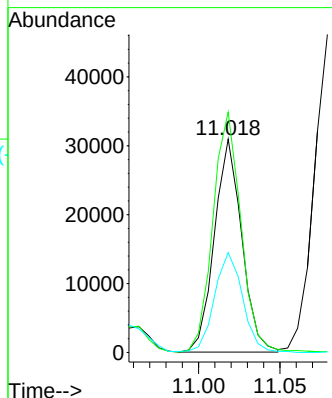
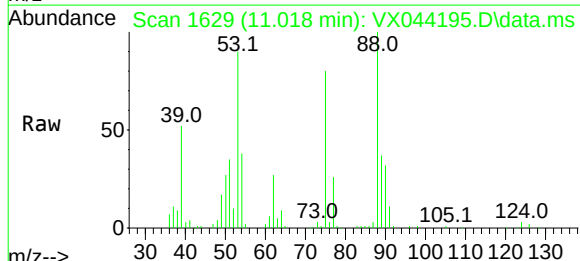
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	36117
Ion	Ratio	Lower	Upper
75	100		
53	116.4	86.7	130.1
89	48.4	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#82

4-Chlorotoluene

Concen: 48.528 ug/l

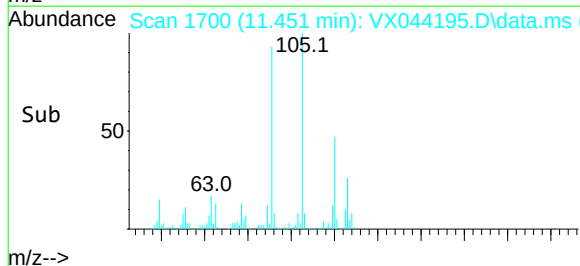
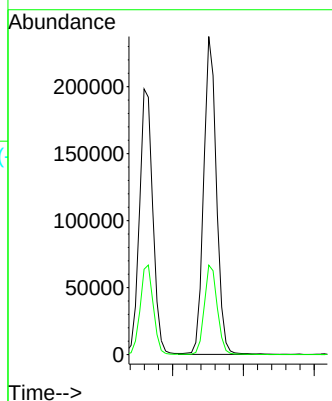
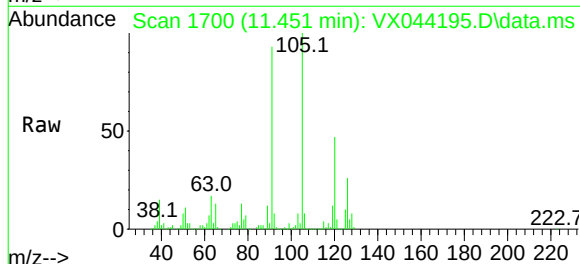
RT: 11.451 min Scan# 1700

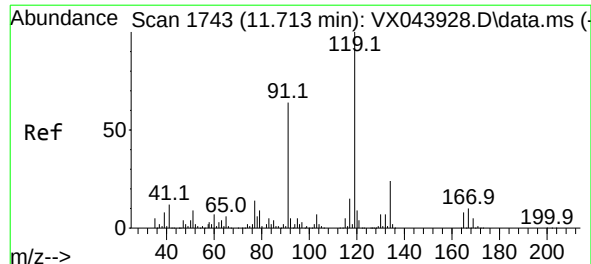
Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	91	Resp:	296611
Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9





#83

tert-Butylbenzene

Concen: 49.553 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 309761

Ion Ratio Lower Upper

119 100

91 63.3 31.0 93.0

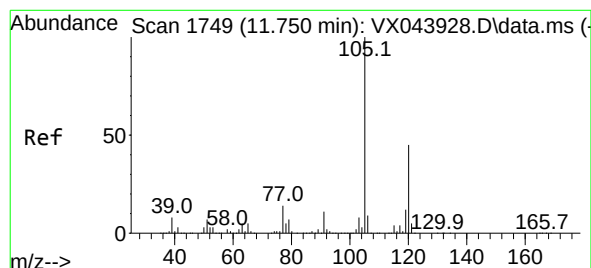
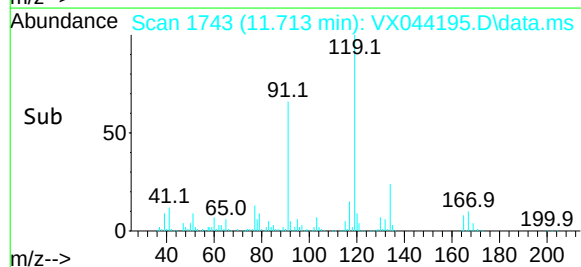
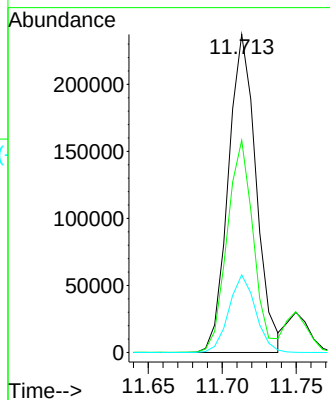
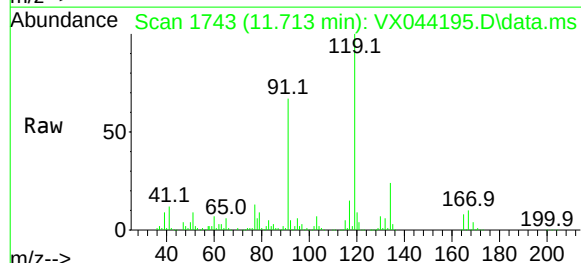
134 23.4 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 49.093 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044195.D

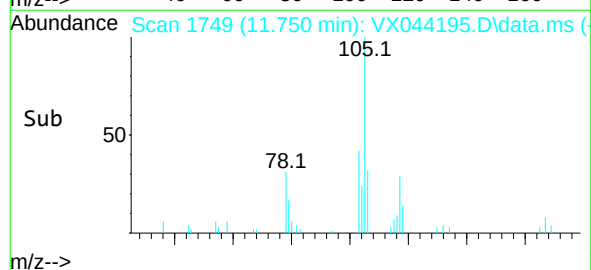
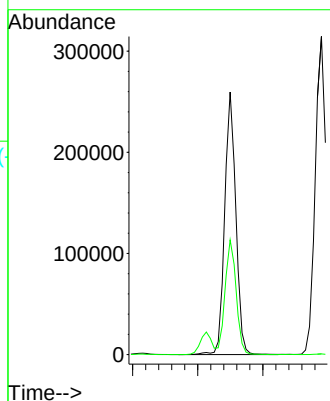
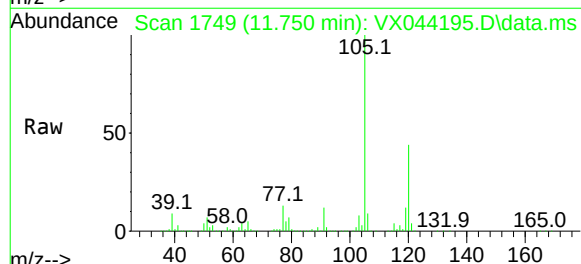
Acq: 09 Dec 2024 18:00

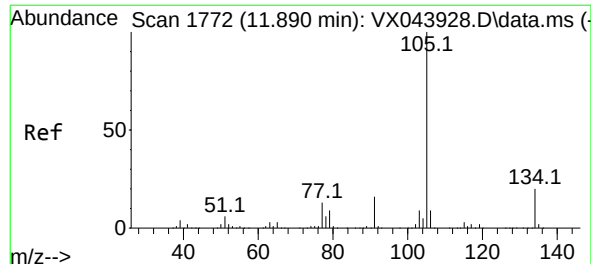
Tgt Ion:105 Resp: 308254

Ion Ratio Lower Upper

105 100

120 43.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 49.420 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 378505

Ion Ratio Lower Upper

105 100

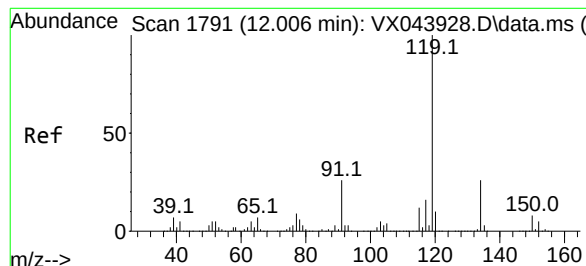
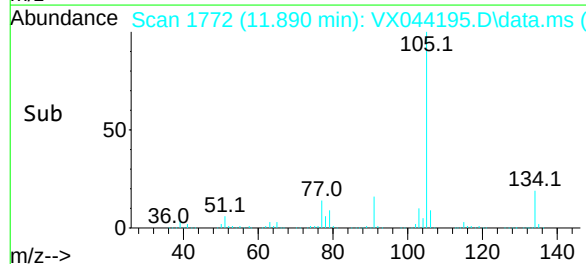
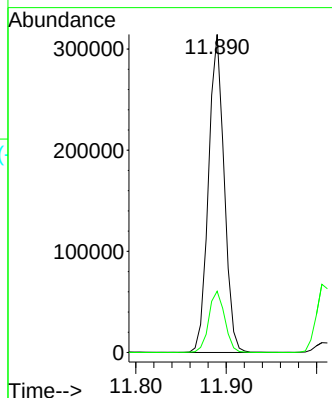
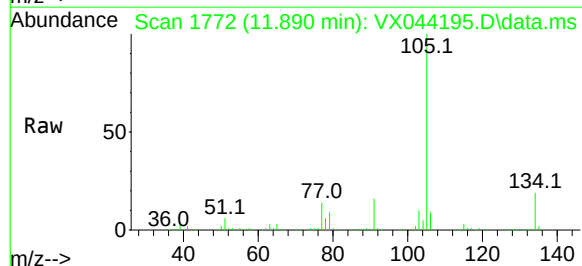
134 19.7 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#86

p-Isopropyltoluene

Concen: 50.244 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

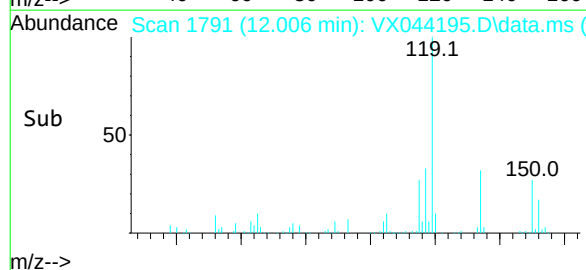
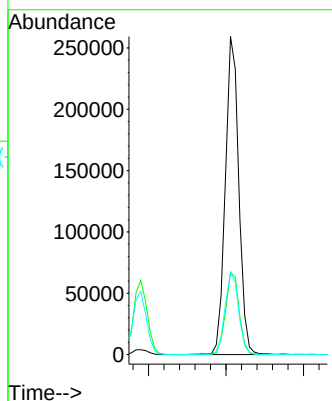
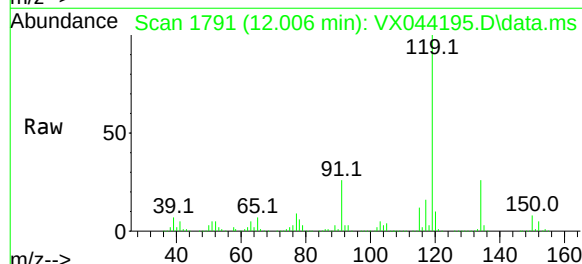
Tgt Ion:119 Resp: 312583

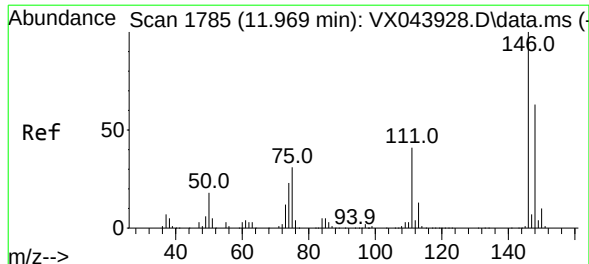
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 26.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.440 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 158004

Ion Ratio Lower Upper

146 100

111 42.4 21.1 63.3

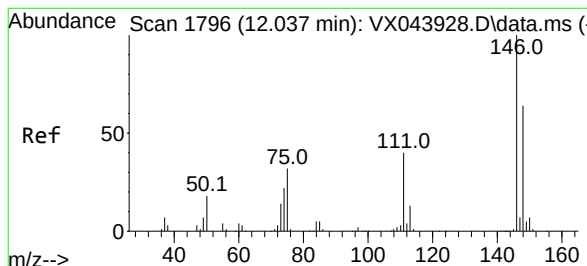
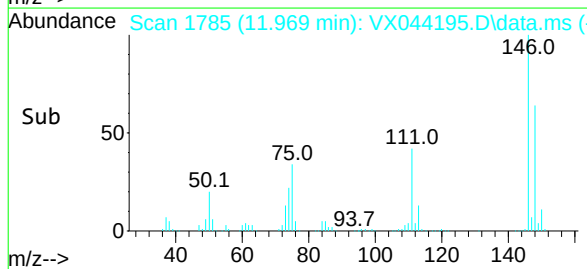
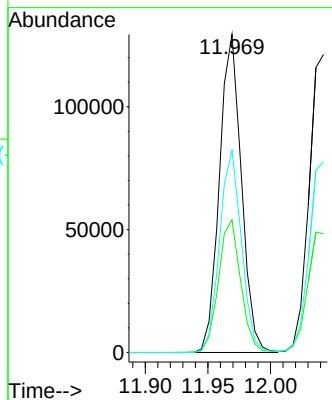
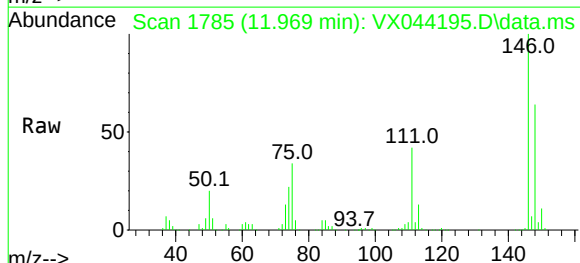
148 63.3 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

Concen: 46.709 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

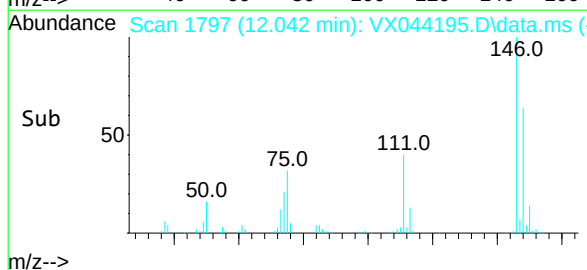
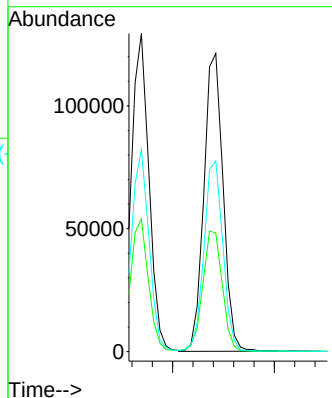
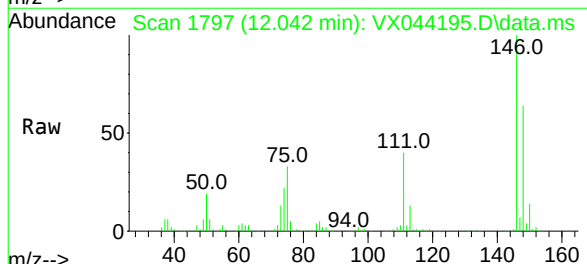
Tgt Ion:146 Resp: 158608

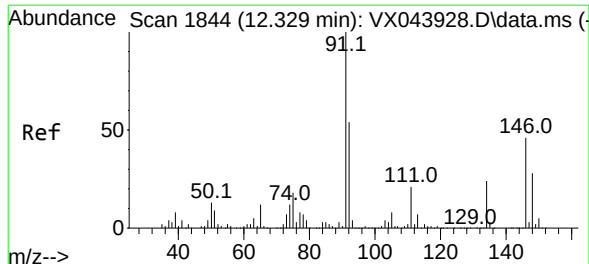
Ion Ratio Lower Upper

146 100

111 41.4 20.1 60.3

148 63.2 30.9 92.8





#89

n-Butylbenzene

Concen: 49.338 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 270623

Ion Ratio Lower Upper

91 100

92 53.3 26.6 79.8

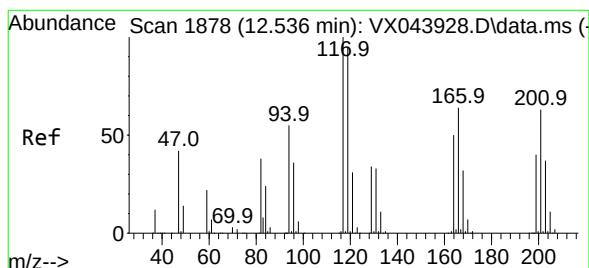
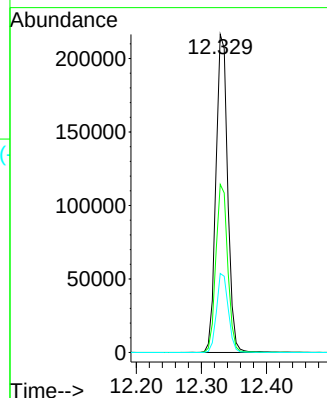
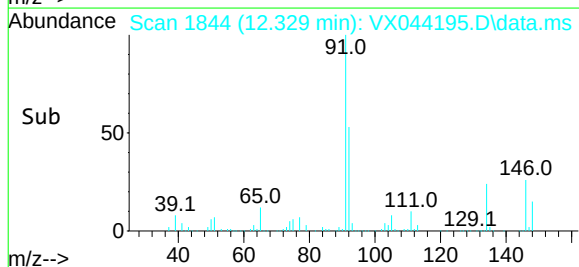
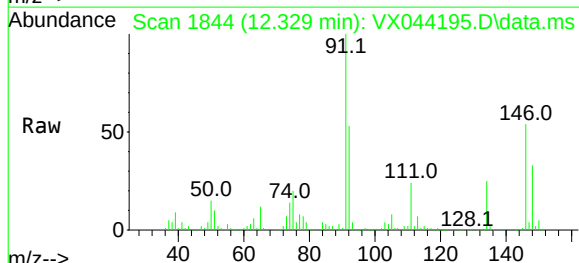
134 24.8 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#90

Hexachloroethane

Concen: 46.047 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044195.D

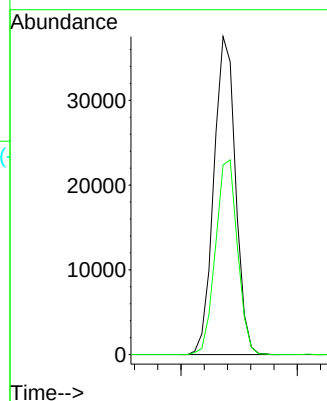
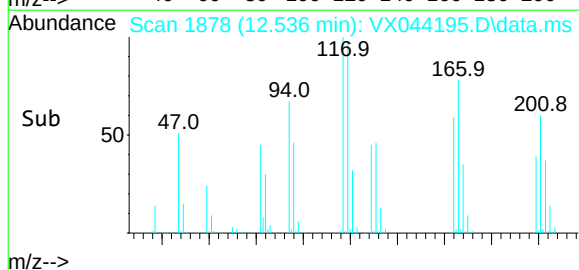
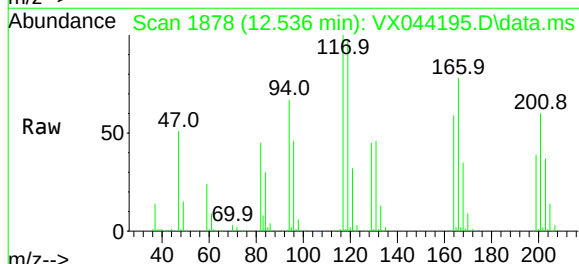
Acq: 09 Dec 2024 18:00

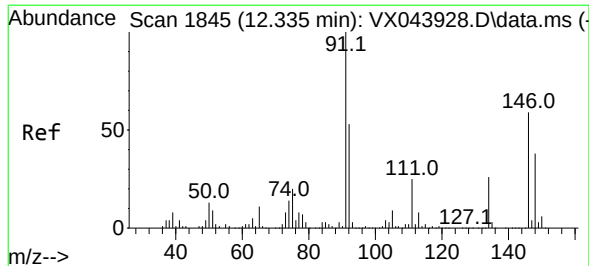
Tgt Ion:117 Resp: 48712

Ion Ratio Lower Upper

117 100

201 62.0 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 47.962 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044195.D

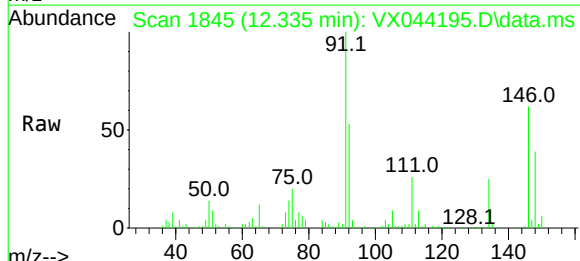
Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

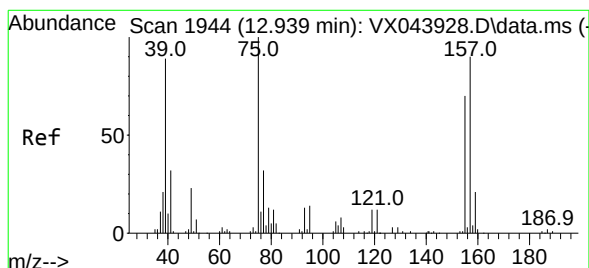
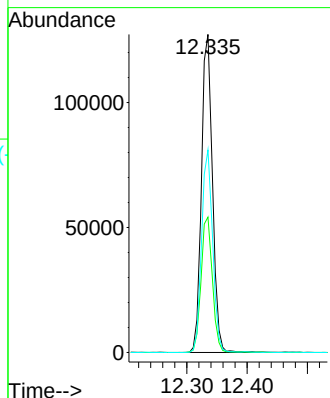
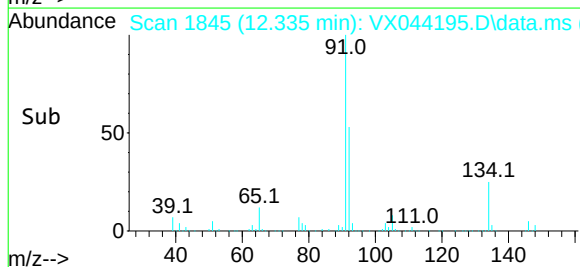


Tgt Ion:	146	Resp:	161209
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	63.9	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#92

1,2-Dibromo-3-Chloropropane

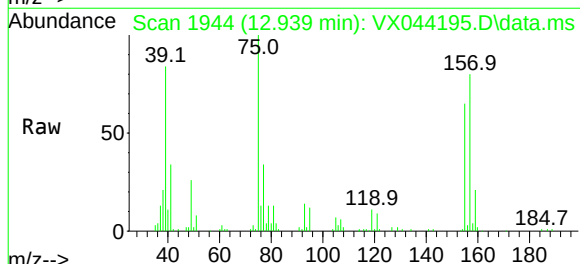
Concen: 50.727 ug/l

RT: 12.939 min Scan# 1944

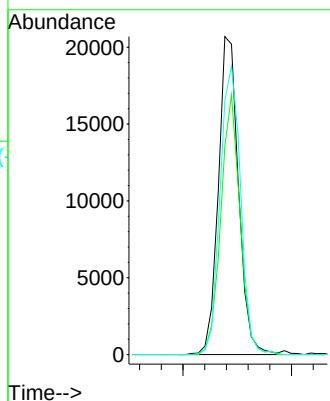
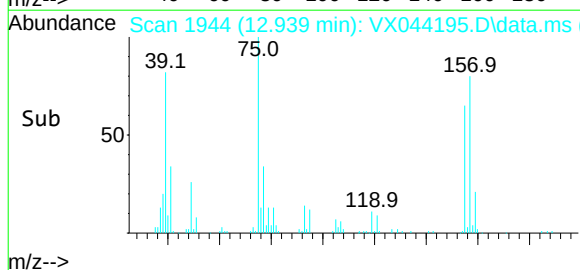
Delta R.T. -0.000 min

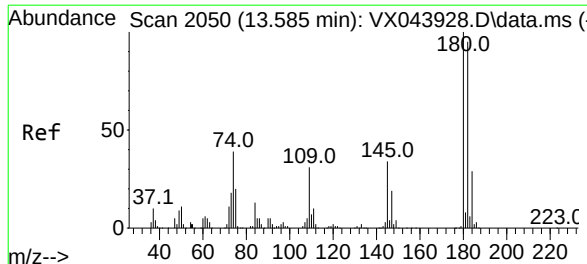
Lab File: VX044195.D

Acq: 09 Dec 2024 18:00



Tgt Ion:	75	Resp:	26680
Ion	Ratio	Lower	Upper
75	100		
155	77.5	40.1	120.2
157	92.3	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 45.975 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

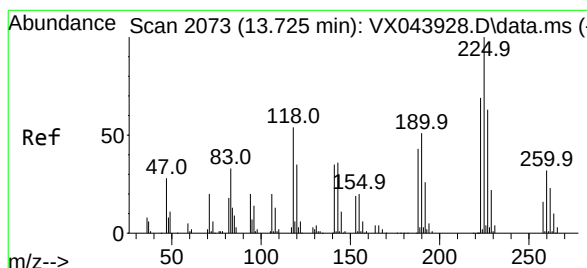
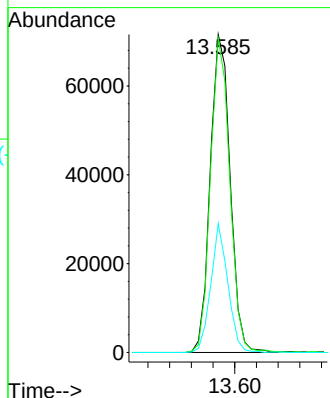
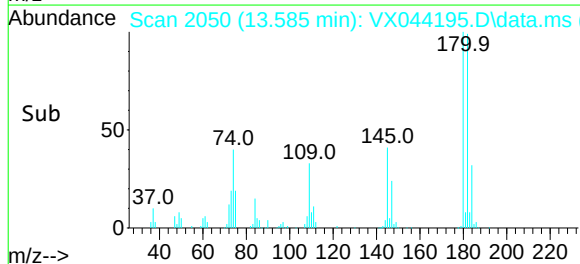
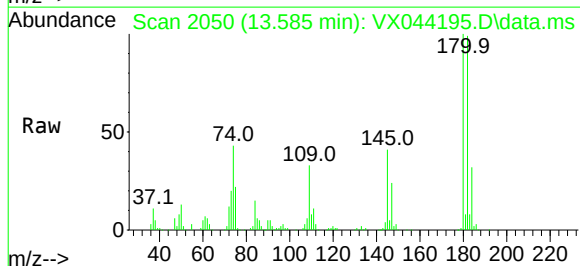
ClientSampleId :

VSTDC050EC

Tgt Ion:	180	Resp:	91104
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.2
145	35.0	16.8	50.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#94

Hexachlorobutadiene

Concen: 45.818 ug/l

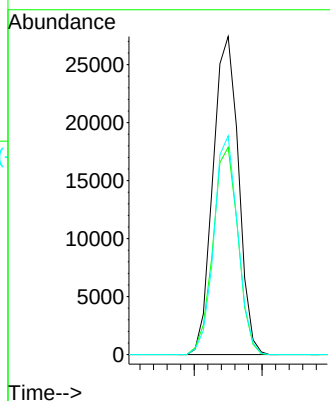
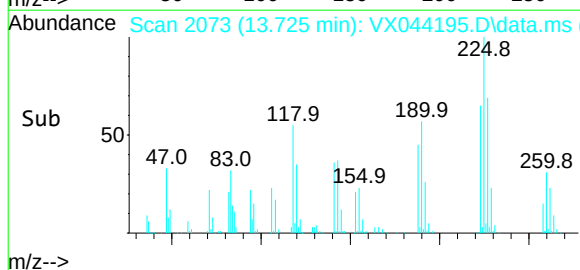
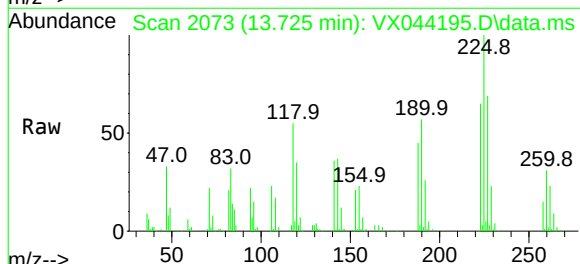
RT: 13.725 min Scan# 2073

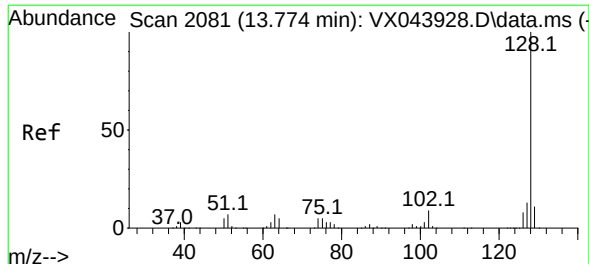
Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:	225	Resp:	35883
Ion Ratio	Lower	Upper	
225	100		
223	63.9	32.9	98.6
227	64.6	31.6	94.8





#95

Naphthalene

Concen: 50.915 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 363187

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

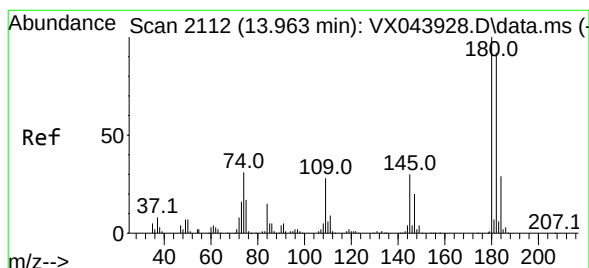
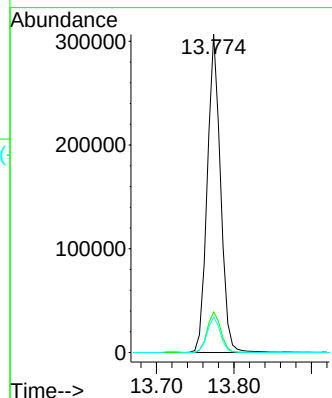
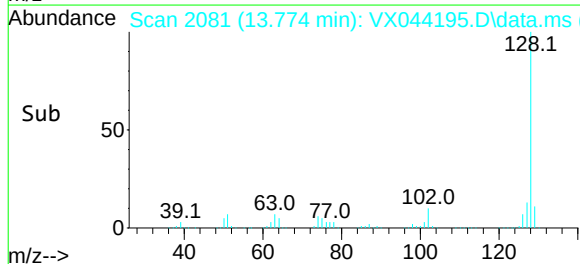
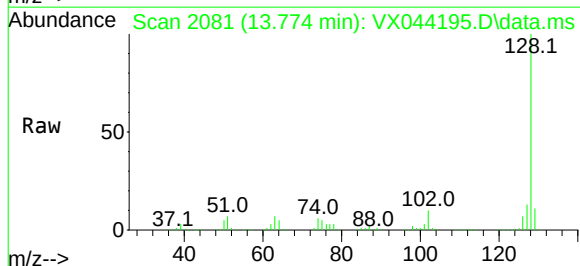
129 11.2 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 47.928 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

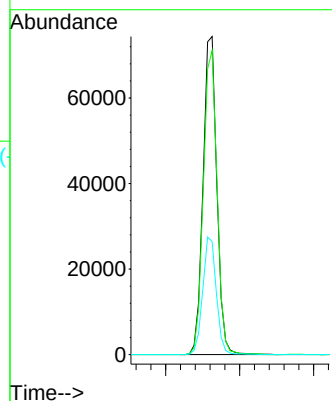
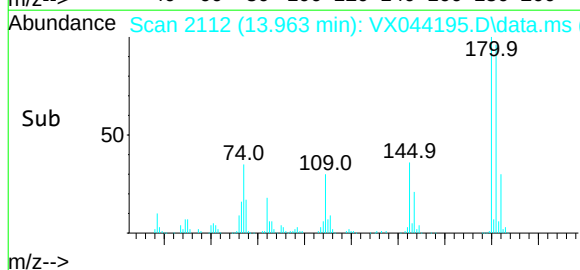
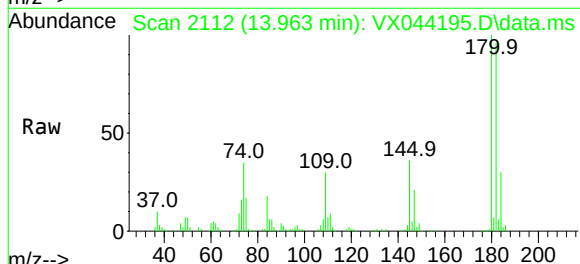
Tgt Ion:180 Resp: 96130

Ion Ratio Lower Upper

180 100

182 95.3 45.6 136.8

145 36.5 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	95	0.01
2 T	Dichlorodifluoromethane	0.633	0.478	24.5	66	0.00
3 P	Chloromethane	0.667	0.536	19.6	73	0.00
4 C	Vinyl Chloride	0.709	0.592	16.5#	74	0.00
5 T	Bromomethane	0.436	0.423	3.0	90	0.00
6 T	Chloroethane	0.432	0.400	7.4	83	0.00
7 T	Trichlorofluoromethane	1.268	1.210	4.6	84	0.00
8 T	Diethyl Ether	0.462	0.445	3.7	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.529	12.6	76	0.00
10 T	Methyl Iodide	0.755	0.723	4.2	85	0.00
11 T	Tert butyl alcohol	0.138	0.124	10.1	81	0.00
12 CM	1,1-Dichloroethene	0.576	0.505	12.3#	80	0.00
13 T	Acrolein	0.145	0.149	-2.8	97	0.00
14 T	Allyl chloride	0.941	0.886	5.8	80	0.00
15 T	Acrylonitrile	0.335	0.337	-0.6	86	0.00
16 T	Acetone	0.394	0.326	17.3	73	0.01
17 T	Carbon Disulfide	1.188	0.859	27.7#	63	0.00
18 T	Methyl Acetate	0.917	0.911	0.7	87	0.00
19 T	Methyl tert-butyl Ether	2.092	2.131	-1.9	89	0.00
20 T	Methylene Chloride	0.668	0.607	9.1	86	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.548	7.9	82	0.00
22 T	Diisopropyl ether	2.013	1.991	1.1	87	0.00
23 T	Vinyl Acetate	1.722	1.725	-0.2	84	0.00
24 P	1,1-Dichloroethane	1.161	1.137	2.1	86	0.00
25 T	2-Butanone	0.508	0.505	0.6	84	0.01
26 T	2,2-Dichloropropane	1.049	0.904	13.8	75	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.696	5.3	83	0.00
28 T	Bromochloromethane	0.511	0.452	11.5	95	0.01
29 T	Tetrahydrofuran	0.312	0.324	-3.8	91	0.01
30 C	Chloroform	1.249	1.249	0.0	90	0.01
31 T	Cyclohexane	0.956	0.846	11.5	77	0.00
32 T	1,1,1-Trichloroethane	1.077	1.070	0.6	86	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.801	6.6	101	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.357	0.327	8.4	98	0.00
36 T	1,1-Dichloropropene	0.445	0.416	6.5	82	0.00
37 T	Ethyl Acetate	0.553	0.543	1.8	87	0.01
38 T	Carbon Tetrachloride	0.500	0.471	5.8	82	0.00
39 T	Methylcyclohexane	0.578	0.498	13.8	74	0.00
40 TM	Benzene	1.387	1.310	5.6	86	0.00
41 T	Methacrylonitrile	0.283	0.289	-2.1	86	0.00
42 TM	1,2-Dichloroethane	0.557	0.548	1.6	89	0.01
43 T	Isopropyl Acetate	0.880	0.902	-2.5	90	0.00
44 TM	Trichloroethene	0.393	0.325	17.3	85	0.00
45 C	1,2-Dichloropropane	0.340	0.329	3.2#	87	0.00
46 T	Dibromomethane	0.269	0.271	-0.7	91	0.00
47 T	Bromodichloromethane	0.482	0.493	-2.3	89	0.00
48 T	Methyl methacrylate	0.422	0.428	-1.4	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.006	25.0	76	0.00
50 S	Toluene-d8	1.232	1.104	10.4	98	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.582	-8.4	94	0.00
52 CM	Toluene	0.830	0.816	1.7#	86	0.00
53 T	t-1,3-Dichloropropene	0.491	0.500	-1.8	86	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.525	2.6	84	0.00
55 T	1,1,2-Trichloroethane	0.343	0.348	-1.5	92	0.00
56 T	Ethyl methacrylate	0.534	0.561	-5.1	89	0.00
57 T	1,3-Dichloropropane	0.577	0.588	-1.9	92	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.279	-2.2	89	0.00
59 T	2-Hexanone	0.403	0.436	-8.2	90	0.00
60 T	Dibromochloromethane	0.344	0.349	-1.5	86	0.00
61 T	1,2-Dibromoethane	0.346	0.358	-3.5	91	0.00
62 S	4-Bromofluorobenzene	0.419	0.414	1.2	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64 T	Tetrachloroethene	0.330	0.306	7.3	86	0.00
65 PM	Chlorobenzene	1.098	1.042	5.1	89	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.360	-1.1	90	0.00
67 C	Ethyl Benzene	1.861	1.827	1.8#	89	0.00
68 T	m/p-Xylenes	0.694	0.678	2.3	88	0.00
69 T	o-Xylene	0.678	0.681	-0.4	89	0.00
70 T	Styrene	1.121	1.134	-1.2	88	0.00
71 P	Bromoform	0.240	0.240	0.0	83	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.843	3.670	4.5	89	0.00
74 T	N-amyl acetate	1.780	1.854	-4.2	92	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.278	2.9	91	0.00
76 T	1,2,3-Trichloropropane	1.096	1.085	1.0	91	0.00
77 T	Bromobenzene	0.917	0.877	4.4	89	0.00
78 T	n-propylbenzene	4.293	4.196	2.3	88	0.00
79 T	2-Chlorotoluene	2.714	2.571	5.3	89	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.127	1.1	90	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.362	10.0	81	0.00
82 T	4-Chlorotoluene	3.064	2.974	2.9	89	0.00
83 T	tert-Butylbenzene	3.134	3.106	0.9	90	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.091	1.8	89	0.00
85 T	sec-Butylbenzene	3.840	3.795	1.2	89	0.00
86 T	p-Isopropyltoluene	3.119	3.134	-0.5	88	0.00
87 T	1,3-Dichlorobenzene	1.670	1.584	5.1	89	0.00
88 T	1,4-Dichlorobenzene	1.702	1.590	6.6	89	0.00
89 T	n-Butylbenzene	2.750	2.714	1.3	85	0.00
90 T	Hexachloroethane	0.530	0.488	7.9	83	0.00
91 T	1,2-Dichlorobenzene	1.685	1.617	4.0	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.268	-1.5	94	0.00
93 T	1,2,4-Trichlorobenzene	0.994	0.914	8.0	84	0.00
94 T	Hexachlorobutadiene	0.393	0.360	8.4	87	0.00
95 T	Naphthalene	3.576	3.642	-1.8	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.964	4.2	86	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	95	0.01
2 T	Dichlorodifluoromethane	50.000	37.740	24.5	66	0.00
3 P	Chloromethane	50.000	40.240	19.5	73	0.00
4 C	Vinyl Chloride	50.000	41.774	16.5#	74	0.00
5 T	Bromomethane	50.000	48.466	3.1	90	0.00
6 T	Chloroethane	50.000	46.289	7.4	83	0.00
7 T	Trichlorofluoromethane	50.000	47.719	4.6	84	0.00
8 T	Diethyl Ether	50.000	48.156	3.7	89	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	43.767	12.5	76	0.00
10 T	Methyl Iodide	50.000	47.840	4.3	85	0.00
11 T	Tert butyl alcohol	250.000	224.985	10.0	81	0.00
12 CM	1,1-Dichloroethene	50.000	43.842	12.3#	80	0.00
13 T	Acrolein	250.000	256.674	-2.7	97	0.00
14 T	Allyl chloride	50.000	47.063	5.9	80	0.00
15 T	Acrylonitrile	250.000	251.011	-0.4	86	0.00
16 T	Acetone	250.000	207.003	17.2	73	0.01
17 T	Carbon Disulfide	50.000	36.130	27.7#	63	0.00
18 T	Methyl Acetate	50.000	49.645	0.7	87	0.00
19 T	Methyl tert-butyl Ether	50.000	50.926	-1.9	89	0.00
20 T	Methylene Chloride	50.000	45.418	9.2	86	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.062	7.9	82	0.00
22 T	Diisopropyl ether	50.000	49.458	1.1	87	0.00
23 T	Vinyl Acetate	250.000	250.436	-0.2	84	0.00
24 P	1,1-Dichloroethane	50.000	48.934	2.1	86	0.00
25 T	2-Butanone	250.000	248.401	0.6	84	0.01
26 T	2,2-Dichloropropane	50.000	43.095	13.8	75	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.328	5.3	83	0.00
28 T	Bromochloromethane	50.000	44.170	11.7	95	0.01
29 T	Tetrahydrofuran	250.000	259.914	-4.0	91	0.01
30 C	Chloroform	50.000	50.011	-0.0#	90	0.01
31 T	Cyclohexane	50.000	44.246	11.5	77	0.00
32 T	1,1,1-Trichloroethane	50.000	49.647	0.7	86	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.681	6.6	101	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	45.723	8.6	98	0.00
36 T	1,1-Dichloropropene	50.000	46.667	6.7	82	0.00
37 T	Ethyl Acetate	50.000	49.112	1.8	87	0.01
38 T	Carbon Tetrachloride	50.000	47.113	5.8	82	0.00
39 T	Methylcyclohexane	50.000	43.022	14.0	74	0.00
40 TM	Benzene	50.000	47.218	5.6	86	0.00
41 T	Methacrylonitrile	50.000	51.129	-2.3	86	0.00
42 TM	1,2-Dichloroethane	50.000	49.190	1.6	89	0.01
43 T	Isopropyl Acetate	50.000	51.255	-2.5	90	0.00
44 TM	Trichloroethene	50.000	41.377	17.2	85	0.00
45 C	1,2-Dichloropropane	50.000	48.435	3.1#	87	0.00
46 T	Dibromomethane	50.000	50.484	-1.0	91	0.00
47 T	Bromodichloromethane	50.000	51.205	-2.4	89	0.00
48 T	Methyl methacrylate	50.000	50.698	-1.4	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	839.512	16.0	76	0.00
50 S	Toluene-d8	50.000	44.830	10.3	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	270.971	-8.4	94	0.00
52 CM	Toluene	50.000	49.168	1.7#	86	0.00
53 T	t-1,3-Dichloropropene	50.000	50.850	-1.7	86	0.00
54 T	cis-1,3-Dichloropropene	50.000	48.710	2.6	84	0.00
55 T	1,1,2-Trichloroethane	50.000	50.724	-1.4	92	0.00
56 T	Ethyl methacrylate	50.000	52.529	-5.1	89	0.00
57 T	1,3-Dichloropropane	50.000	50.900	-1.8	92	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	238.340	4.7	89	0.00
59 T	2-Hexanone	250.000	270.331	-8.1	90	0.00
60 T	Dibromochloromethane	50.000	50.698	-1.4	86	0.00
61 T	1,2-Dibromoethane	50.000	51.728	-3.5	91	0.00
62 S	4-Bromofluorobenzene	50.000	49.426	1.1	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64 T	Tetrachloroethene	50.000	46.478	7.0	86	0.00
65 PM	Chlorobenzene	50.000	47.426	5.1	89	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.596	-1.2	90	0.00
67 C	Ethyl Benzene	50.000	49.105	1.8#	89	0.00
68 T	m/p-Xylenes	100.000	97.773	2.2	88	0.00
69 T	o-Xylene	50.000	50.284	-0.6	89	0.00
70 T	Styrene	50.000	50.577	-1.2	88	0.00
71 P	Bromoform	50.000	44.729	10.5	83	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	47.738	4.5	89	0.00
74 T	N-amyl acetate	50.000	52.058	-4.1	92	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.557	2.9	91	0.00
76 T	1,2,3-Trichloropropane	50.000	49.455	1.1	91	0.00
77 T	Bromobenzene	50.000	47.832	4.3	89	0.00
78 T	n-propylbenzene	50.000	48.877	2.2	88	0.00
79 T	2-Chlorotoluene	50.000	47.354	5.3	89	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.438	1.1	90	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.064	9.9	81	0.00
82 T	4-Chlorotoluene	50.000	48.528	2.9	89	0.00
83 T	tert-Butylbenzene	50.000	49.553	0.9	90	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.093	1.8	89	0.00
85 T	sec-Butylbenzene	50.000	49.420	1.2	89	0.00
86 T	p-Isopropyltoluene	50.000	50.244	-0.5	88	0.00
87 T	1,3-Dichlorobenzene	50.000	47.440	5.1	89	0.00
88 T	1,4-Dichlorobenzene	50.000	46.709	6.6	89	0.00
89 T	n-Butylbenzene	50.000	49.338	1.3	85	0.00
90 T	Hexachloroethane	50.000	46.047	7.9	83	0.00
91 T	1,2-Dichlorobenzene	50.000	47.962	4.1	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.727	-1.5	94	0.00
93 T	1,2,4-Trichlorobenzene	50.000	45.975	8.0	84	0.00
94 T	Hexachlorobutadiene	50.000	45.818	8.4	87	0.00
95 T	Naphthalene	50.000	50.915	-1.8	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	47.928	4.1	86	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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 10:43

Lab File ID: VX044197.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.527		-16.75	20
Chloromethane	0.667	0.569	0.1	-14.69	20
Vinyl Chloride	0.709	0.628		-11.43	20
Bromomethane	0.436	0.455		4.36	20
Chloroethane	0.432	0.424		-1.85	20
Trichlorofluoromethane	1.268	1.418		11.83	20
1,1,2-Trichlorotrifluoroethane	0.605	0.606		0.17	20
1,1-Dichloroethene	0.576	0.529		-8.16	20
Acetone	0.394	0.458		16.24	20
Carbon Disulfide	1.188	0.962		-19.02	20
Methyl tert-butyl Ether	2.092	2.233		6.74	20
Methyl Acetate	0.917	1.022		11.45	20
Methylene Chloride	0.668	0.637		-4.64	20
trans-1,2-Dichloroethene	0.595	0.573		-3.7	20
1,1-Dichloroethane	1.161	1.178	0.1	1.46	20
Cyclohexane	0.956	0.924		-3.35	20
2-Butanone	0.508	0.601		18.31	20
Carbon Tetrachloride	0.500	0.529		5.8	20
cis-1,2-Dichloroethene	0.735	0.749		1.9	20
Bromochloromethane	0.511	0.489		-4.3	20
Chloroform	1.249	1.296		3.76	20
1,1,1-Trichloroethane	1.077	1.143		6.13	20
Methylcyclohexane	0.578	0.582		0.69	20
Benzene	1.387	1.399		0.87	20
1,2-Dichloroethane	0.557	0.598		7.36	20
Trichloroethene	0.393	0.358		-8.91	20
1,2-Dichloropropane	0.340	0.365		7.35	20
Bromodichloromethane	0.482	0.545		13.07	20
4-Methyl-2-Pentanone	0.537	0.657		22.35	20
Toluene	0.830	0.892		7.47	20
t-1,3-Dichloropropene	0.491	0.566		15.27	20
cis-1,3-Dichloropropene	0.539	0.591		9.65	20
1,1,2-Trichloroethane	0.343	0.382		11.37	20
2-Hexanone	0.403	0.515		27.79	20
Dibromochloromethane	0.344	0.401		16.57	20
1,2-Dibromoethane	0.346	0.404		16.76	20
Tetrachloroethene	0.330	0.336		1.82	20
Chlorobenzene	1.098	1.144	0.3	4.19	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164
 Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 10:43
 Lab File ID: VX044197.D Init. Calib. Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	2.022		8.65	20
m/p-Xylenes	0.694	0.751		8.21	20
o-Xylene	0.678	0.748		10.32	20
Styrene	1.121	1.260		12.4	20
Bromoform	0.240	0.284	0.1	18.33	20
Isopropylbenzene	3.843	4.048		5.33	20
1,1,2,2-Tetrachloroethane	1.316	1.422	0.3	8.06	20
1,3-Dichlorobenzene	1.670	1.754		5.03	20
1,4-Dichlorobenzene	1.702	1.759		3.35	20
1,2-Dichlorobenzene	1.685	1.803		7	20
1,2-Dibromo-3-Chloropropane	0.264	0.303		14.77	20
1,2,4-Trichlorobenzene	0.994	1.061		6.74	20
1,2,3-Trichlorobenzene	1.006	1.115		10.84	20
1,2-Dichloroethane-d4	0.858	0.878		2.33	20
Dibromofluoromethane	0.357	0.374		4.76	20
Toluene-d8	1.232	1.265		2.68	20
4-Bromofluorobenzene	0.419	0.460		9.78	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\VX121024\
 Data File : VX044197.D
 Acq On : 10 Dec 2024 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	121082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	187191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91127	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	106260	51.166	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.340%
35) Dibromofluoromethane	5.379	113	79263	52.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.620%
50) Toluene-d8	8.647	98	268167	51.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.680%
62) 4-Bromofluorobenzene	11.079	95	97578	54.890	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.780%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	63839	41.618	ug/l	97
3) Chloromethane	1.294	50	68950	42.716	ug/l	99
4) Vinyl Chloride	1.374	62	76098	44.323	ug/l	99
5) Bromomethane	1.593	94	55134	52.201	ug/l	97
6) Chloroethane	1.660	64	51361	49.095	ug/l	98
7) Trichlorofluoromethane	1.867	101	171671	55.927	ug/l	100
8) Diethyl Ether	2.130	74	56553	50.549	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	73331	50.083	ug/l	98
10) Methyl Iodide	2.441	142	90454	49.465	ug/l	97
11) Tert butyl alcohol	2.995	59	83857	251.566	ug/l	97
12) 1,1-Dichloroethene	2.306	96	64019	45.885	ug/l	97
13) Acrolein	2.233	56	101837	289.842	ug/l	97
14) Allyl chloride	2.654	41	115018	50.451	ug/l	97
15) Acrylonitrile	3.068	53	227165	279.648	ug/l	99
16) Acetone	2.386	43	277283	290.702	ug/l	99
17) Carbon Disulfide	2.495	76	116422	40.453	ug/l	99
18) Methyl Acetate	2.703	43	123713	55.695	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	270415	53.378	ug/l	99
20) Methylene Chloride	2.782	84	77152	47.664	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	69426	48.196	ug/l	99
22) Diisopropyl ether	3.763	45	258512	53.030	ug/l	97
23) Vinyl Acetate	3.721	43	1139264	273.194	ug/l	99
24) 1,1-Dichloroethane	3.599	63	142627	50.716	ug/l	100
25) 2-Butanone	4.562	43	363724	295.530	ug/l	99
26) 2,2-Dichloropropane	4.465	77	132529	52.181	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	90693	50.935	ug/l	98
28) Bromochloromethane	4.891	49	59174	47.802	ug/l	96
29) Tetrahydrofuran	5.007	42	209149	277.191	ug/l	99
30) Chloroform	5.086	83	156932	51.884	ug/l	99
31) Cyclohexane	5.452	56	111927	48.357	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	138440	53.075	ug/l	99
36) 1,1-Dichloropropene	5.684	75	97232	51.492	ug/l	98
37) Ethyl Acetate	4.715	43	134827	57.521	ug/l	98
38) Carbon Tetrachloride	5.672	117	112117	52.842	ug/l	96
39) Methylcyclohexane	7.373	83	123359	50.287	ug/l	97
40) Benzene	6.031	78	296645	50.434	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044197.D
 Acq On : 10 Dec 2024 10:43
 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 12/11/2024
 Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:25:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	68558	57.147	ug/l	94
42) 1,2-Dichloroethane	6.080	62	126793	53.674	ug/l	100
43) Isopropyl Acetate	6.336	43	212244	56.898	ug/l	99
44) Trichloroethene	7.117	130	75985	45.635	ug/l	92
45) 1,2-Dichloropropane	7.427	63	77311	53.666	ug/l	97
46) Dibromomethane	7.580	93	62367	54.728	ug/l	99
47) Bromodichloromethane	7.818	83	115501	56.513	ug/l	99
48) Methyl methacrylate	7.690	41	99017	55.319	ug/l	98
49) 1,4-Dioxane	7.659	88	28446	892.162	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	696425	305.931	ug/l	100
52) Toluene	8.714	92	189268	53.762	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120064	57.607	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	125311	54.845	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	80926	55.687	ug/l	96
56) Ethyl methacrylate	9.116	69	134754	59.532	ug/l	100
57) 1,3-Dichloropropane	9.305	76	135605	55.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	314332	253.403	ug/l	99
59) 2-Hexanone	9.427	43	545883	319.041	ug/l	100
60) Dibromochloromethane	9.519	129	85107	58.369	ug/l	99
61) 1,2-Dibromoethane	9.610	107	85669	58.300	ug/l	96
64) Tetrachloroethene	9.269	164	62970	51.016	ug/l	98
65) Chlorobenzene	10.079	112	214102	52.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	76789	57.592	ug/l	96
67) Ethyl Benzene	10.189	91	378463	54.326	ug/l	99
68) m/p-Xylenes	10.299	106	281005	108.164	ug/l	99
69) o-Xylene	10.640	106	139928	55.165	ug/l	98
70) Styrene	10.652	104	235876	56.223	ug/l	98
71) Bromoform	10.799	173	53151	52.273	ug/l #	98
73) Isopropylbenzene	10.963	105	368919	52.666	ug/l	99
74) N-ethyl acetate	10.841	43	186542	57.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	129580	54.025	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	110467m	55.278	ug/l	
77) Bromobenzene	11.195	156	86985	52.056	ug/l	98
78) n-propylbenzene	11.305	91	423839	54.176	ug/l	99
79) 2-Chlorotoluene	11.360	91	259490	52.453	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	310149	53.818	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	38314	52.317	ug/l	97
82) 4-Chlorotoluene	11.451	91	301801	54.037	ug/l	99
83) tert-Butylbenzene	11.713	119	316356	55.384	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	313218	54.591	ug/l	99
85) sec-Butylbenzene	11.890	105	388872	55.564	ug/l	100
86) p-Isopropyltoluene	12.006	119	325073	57.182	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	159843	52.521	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	160310	51.665	ug/l	97
89) n-Butylbenzene	12.329	91	283567	56.576	ug/l	99
90) Hexachloroethane	12.536	117	50899	52.654	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	164337	53.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27603	57.434	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	96701	53.404	ug/l	99
94) Hexachlorobutadiene	13.725	225	39157	54.716	ug/l	96
95) Naphthalene	13.774	128	381783	58.572	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	101647	55.461	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
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 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

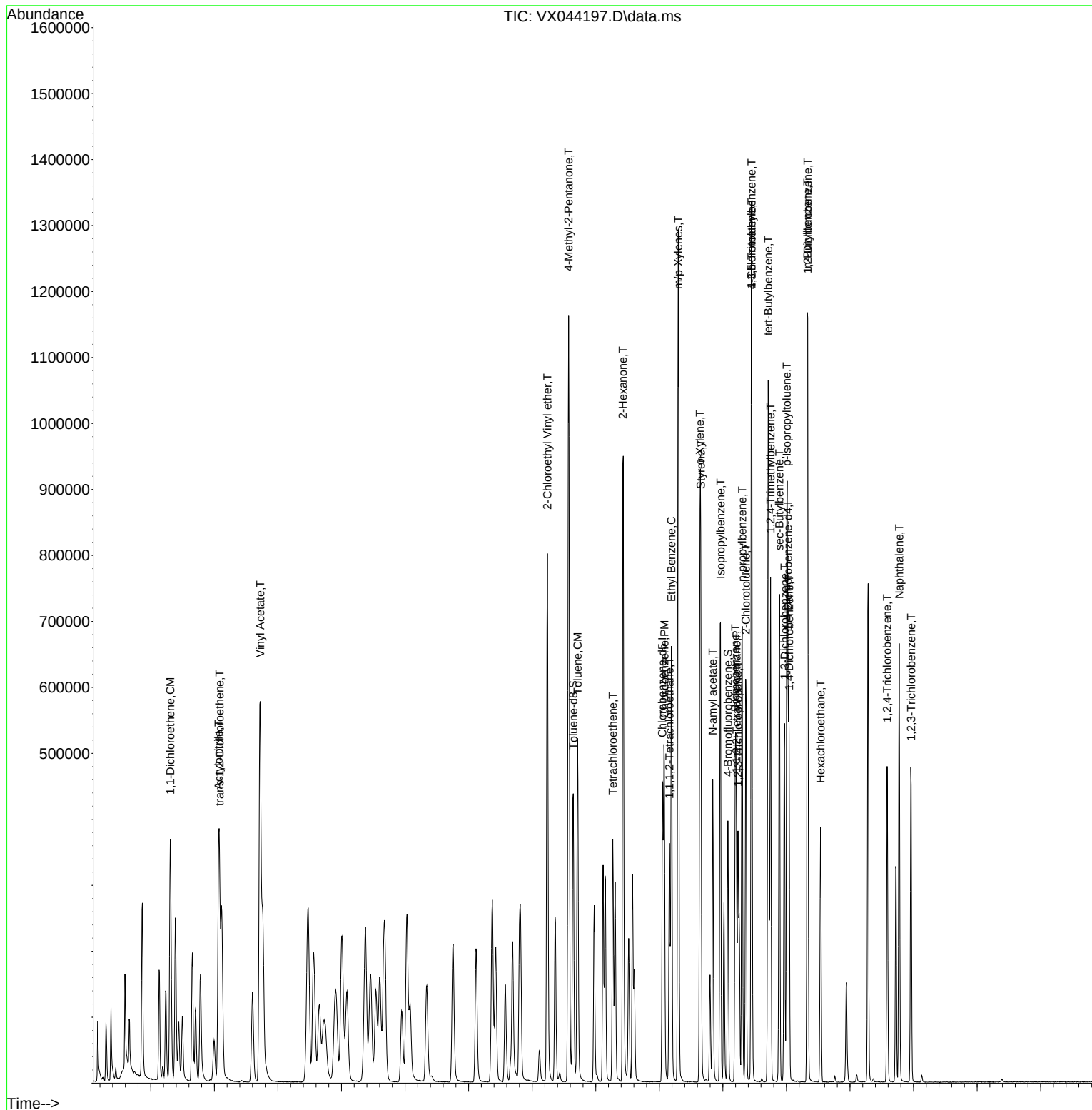
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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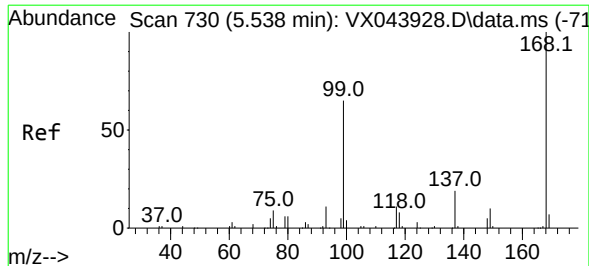
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.538 min Scan# 73

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 121082

Ion Ratio Lower Upper

168 100

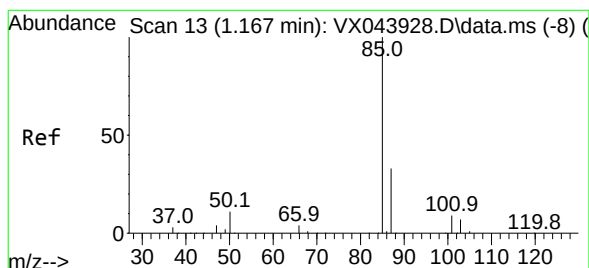
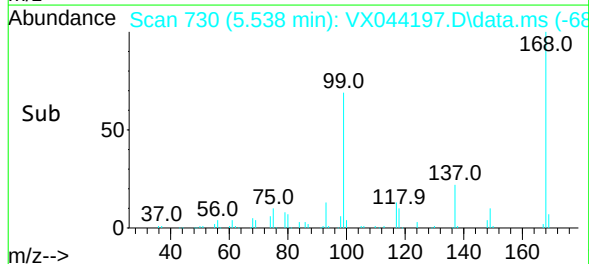
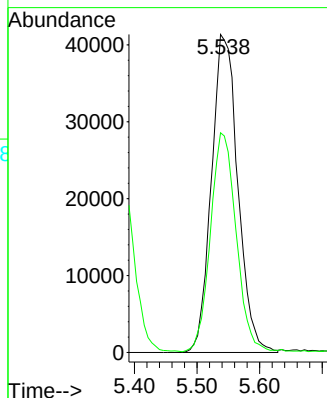
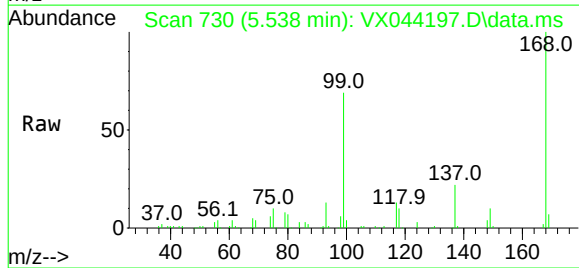
99 68.7 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#2

Dichlorodifluoromethane

Concen: 41.618 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX044197.D

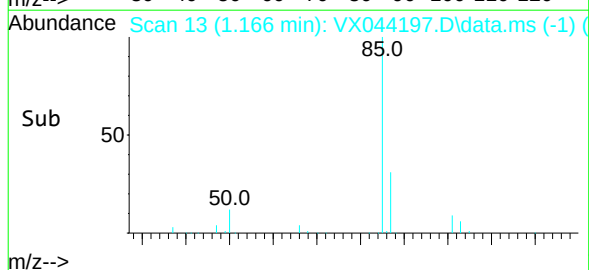
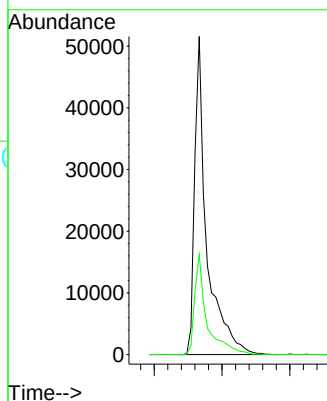
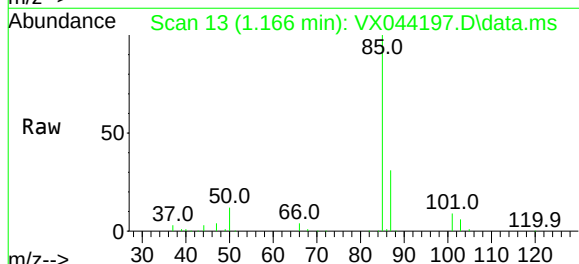
Acq: 10 Dec 2024 10:43

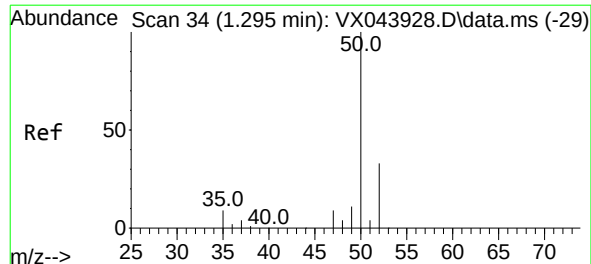
Tgt Ion: 85 Resp: 63839

Ion Ratio Lower Upper

85 100

87 31.4 16.6 49.8





#3

Chloromethane

Concen: 42.716 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 68950

Ion Ratio Lower Upper

50 100

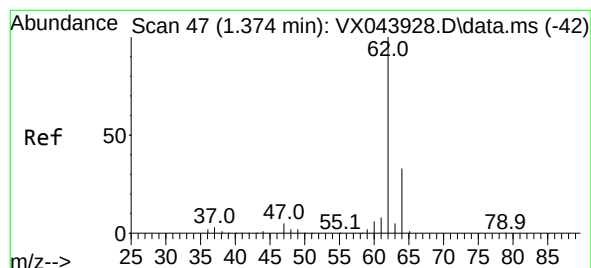
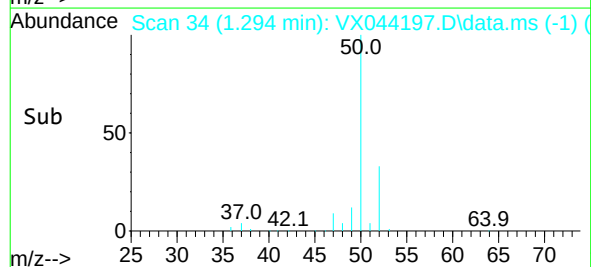
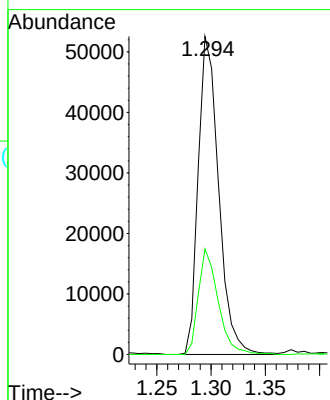
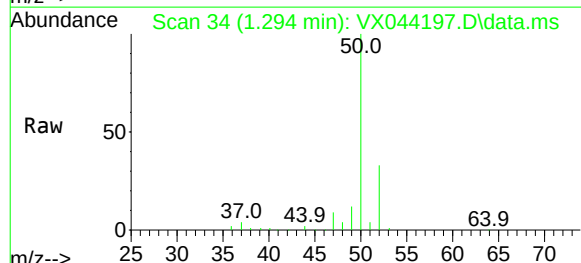
52 33.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#4

Vinyl Chloride

Concen: 44.323 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044197.D

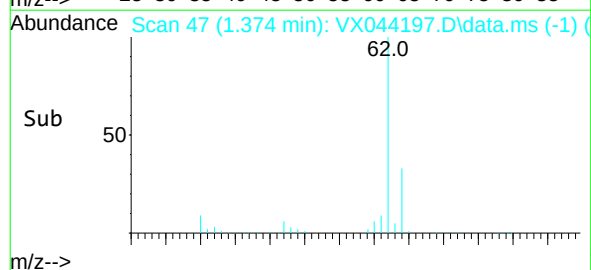
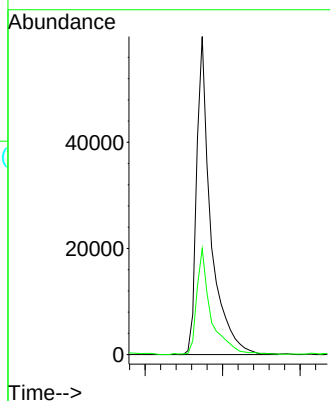
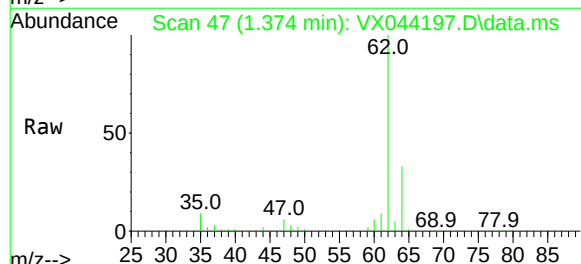
Acq: 10 Dec 2024 10:43

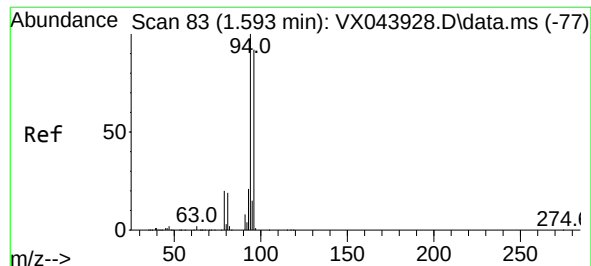
Tgt Ion: 62 Resp: 76098

Ion Ratio Lower Upper

62 100

64 33.2 26.2 39.4





#5

Bromomethane

Concen: 52.201 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 55134

Ion Ratio Lower Upper

94 100

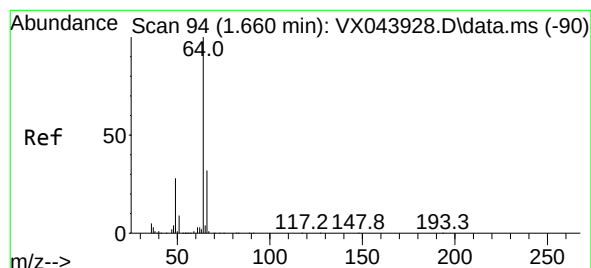
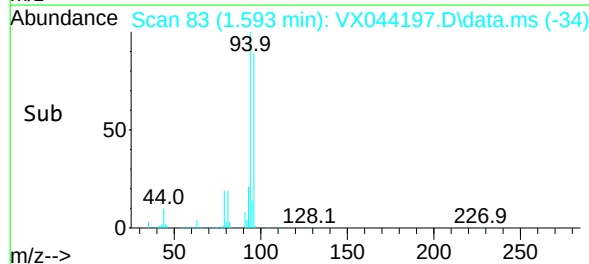
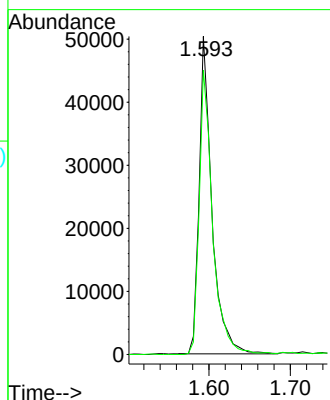
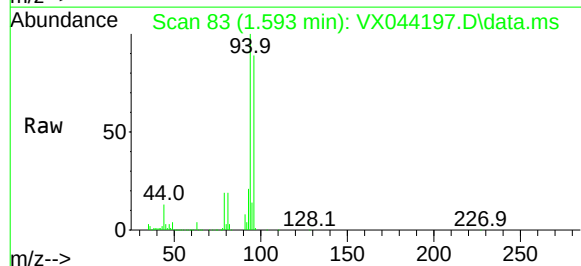
96 89.6 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#6

Chloroethane

Concen: 49.095 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX044197.D

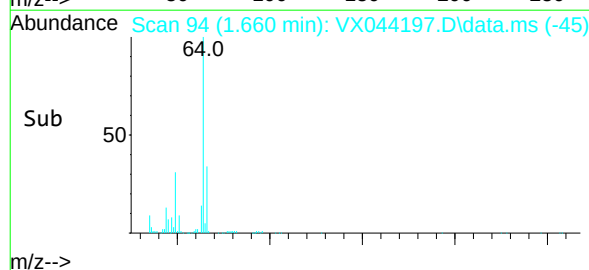
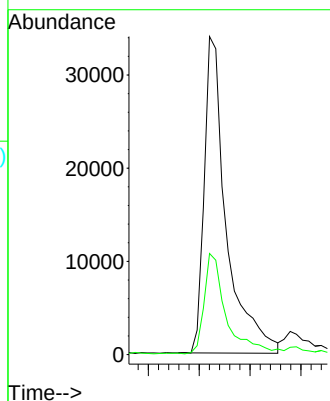
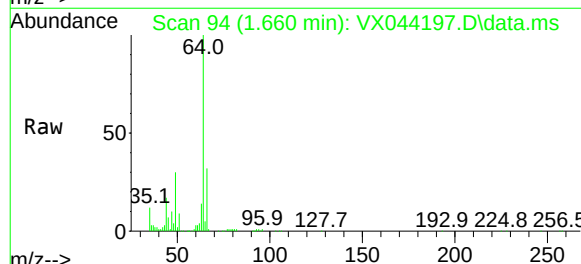
Acq: 10 Dec 2024 10:43

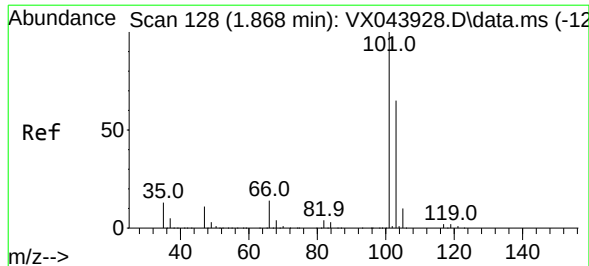
Tgt Ion: 64 Resp: 51361

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9





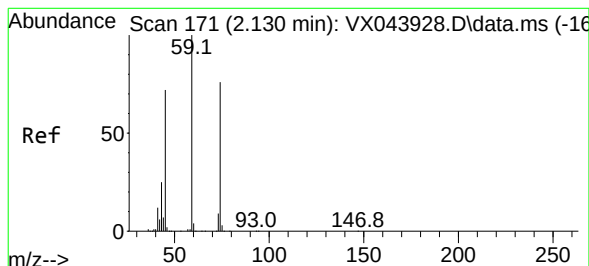
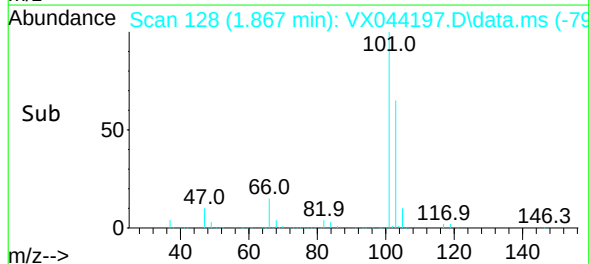
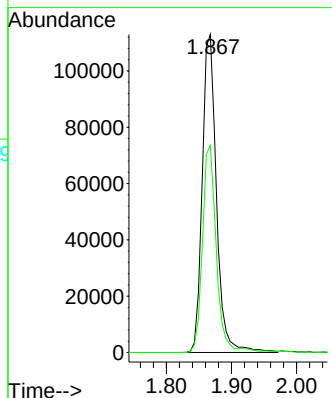
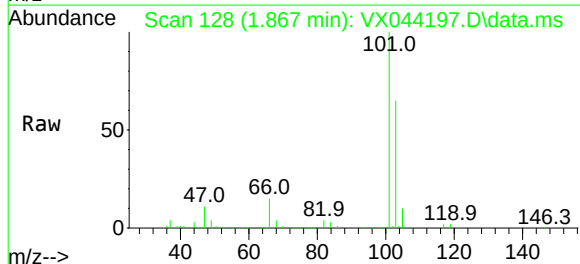
#7
Trichlorofluoromethane
Concen: 55.927 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 171671
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.2

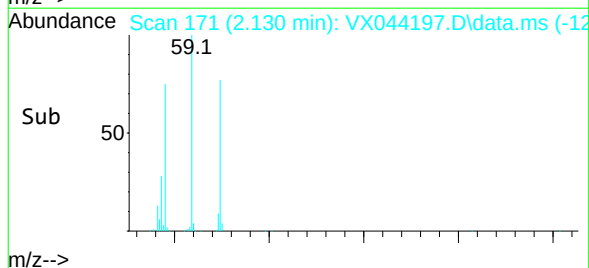
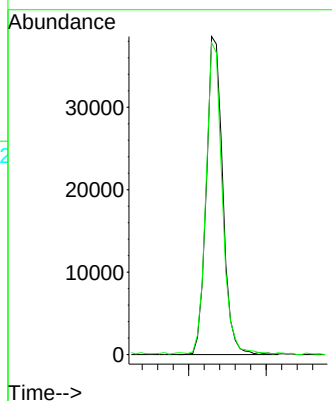
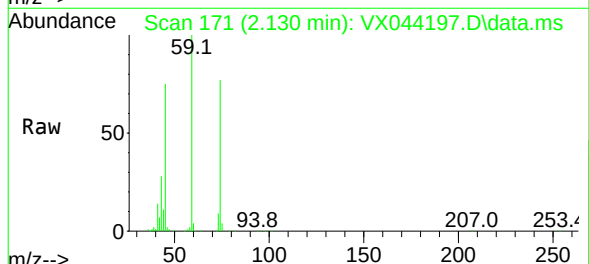
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APPROVED

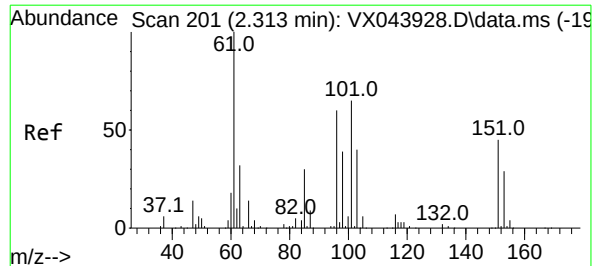
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#8
Diethyl Ether
Concen: 50.549 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 74 Resp: 56553
Ion Ratio Lower Upper
74 100
45 97.0 47.9 143.6





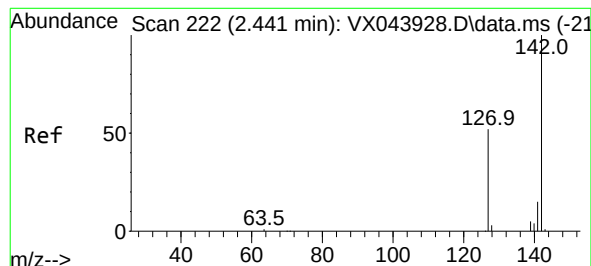
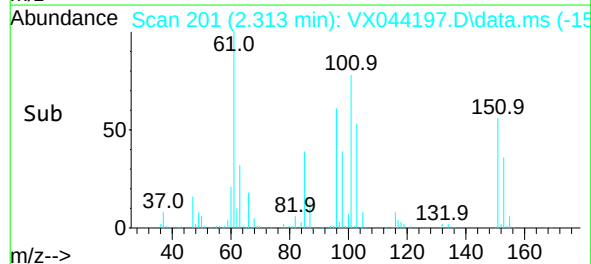
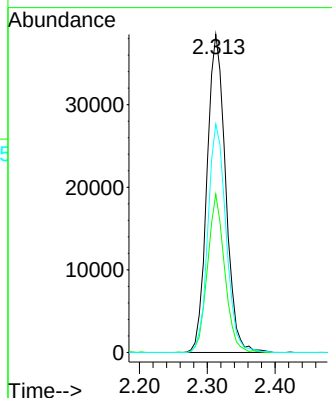
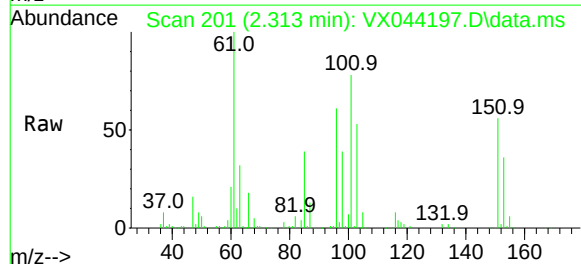
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.083 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	101	Resp	73331
Ion Ratio	100	Lower	Upper
85	46.0	37.9	56.9
151	69.9	57.5	86.3

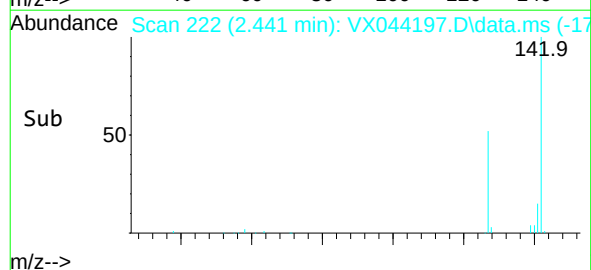
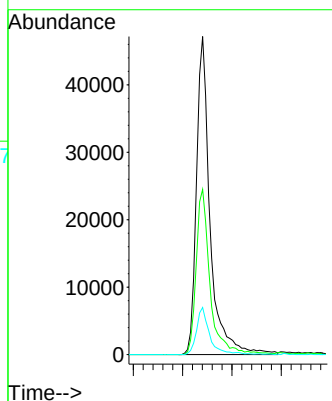
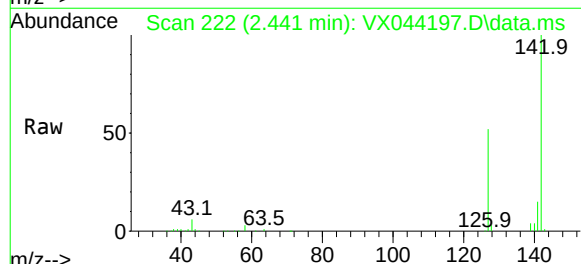
Manual Integrations
APPROVED

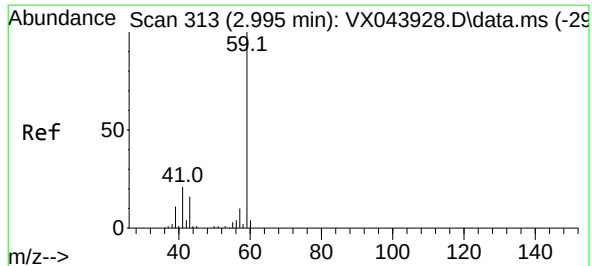
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#10
Methyl Iodide
Concen: 49.465 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion	142	Resp	90454
Ion Ratio	100	Lower	Upper
127	53.0	40.7	61.1
141	14.3	12.0	18.0





#11

Tert butyl alcohol

Concen: 251.566 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 83857

Ion Ratio Lower Upper

59 100

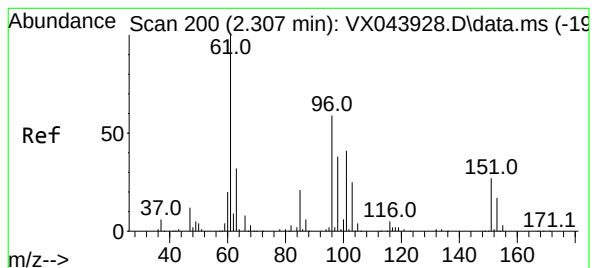
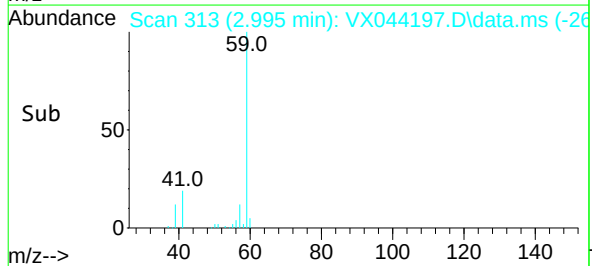
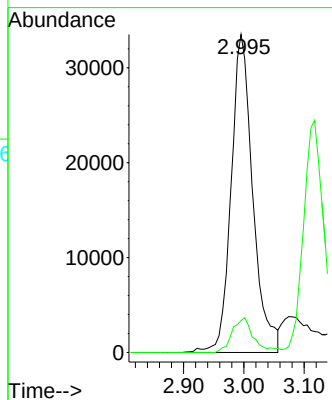
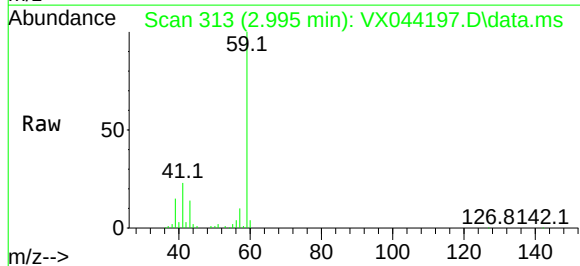
57 10.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#12

1,1-Dichloroethene

Concen: 45.885 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

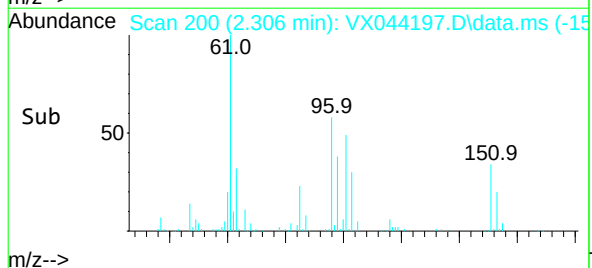
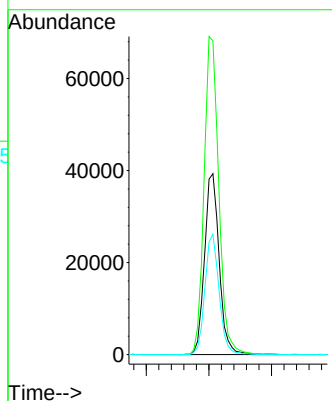
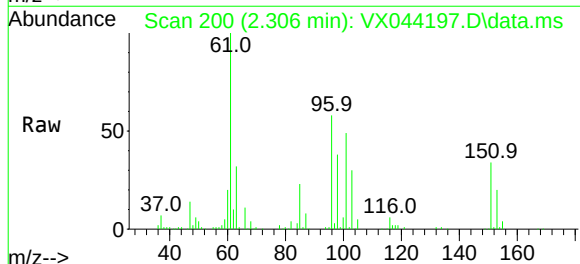
Tgt Ion: 96 Resp: 64019

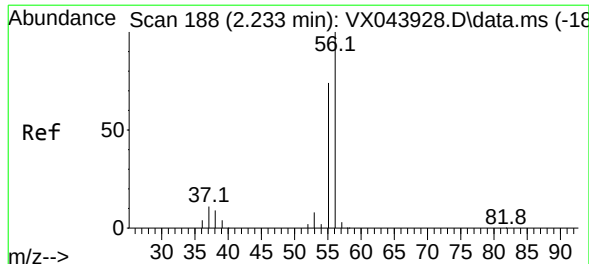
Ion Ratio Lower Upper

96 100

61 173.4 135.5 203.3

98 66.6 50.8 76.2





#13

Acrolein

Concen: 289.842 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 101837

Ion Ratio Lower Upper

56 100

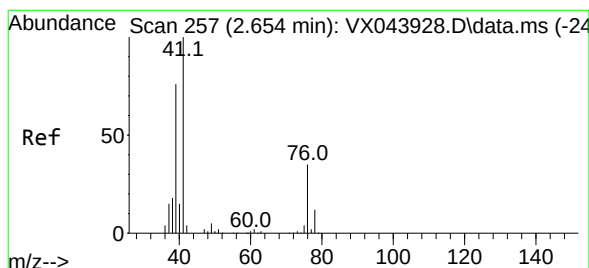
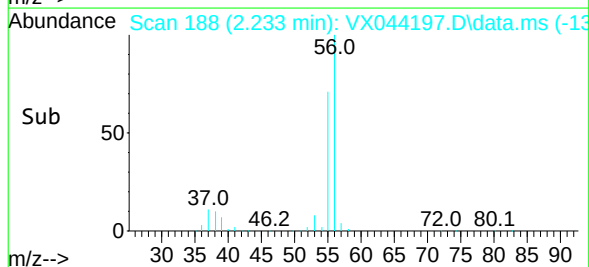
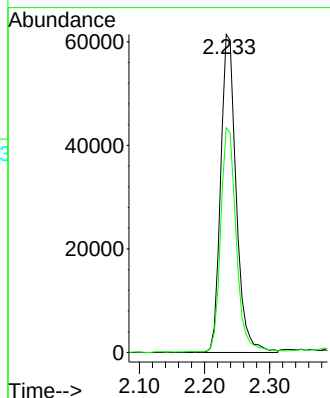
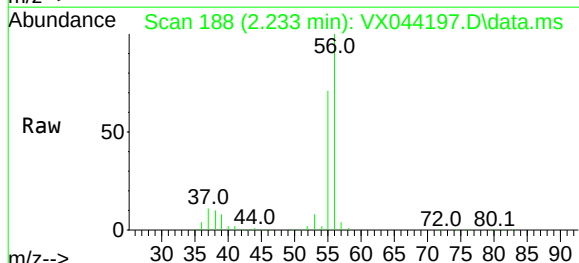
55 70.1 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#14

Allyl chloride

Concen: 50.451 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

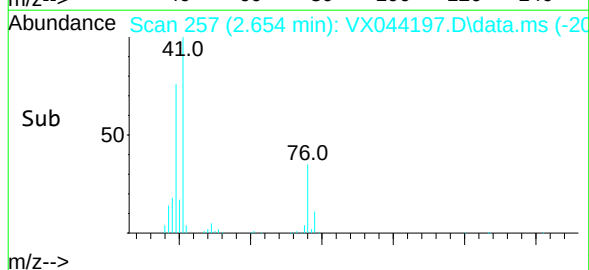
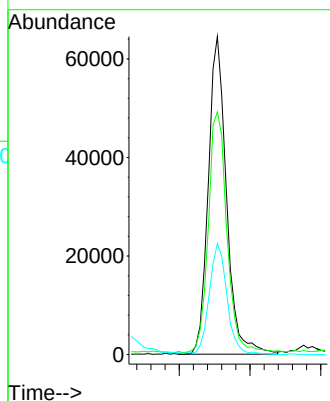
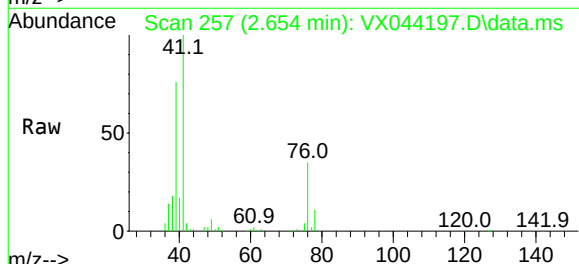
Tgt Ion: 41 Resp: 115018

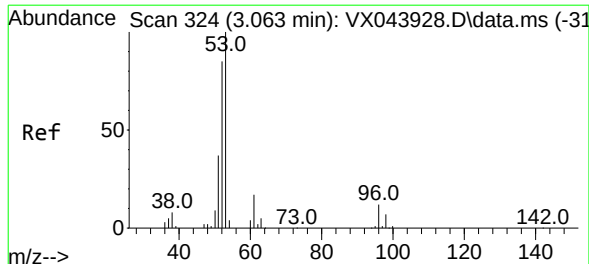
Ion Ratio Lower Upper

41 100

39 77.9 59.5 89.3

76 34.4 27.4 41.2





#15

Acrylonitrile

Concen: 279.648 ug/l

RT: 3.068 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

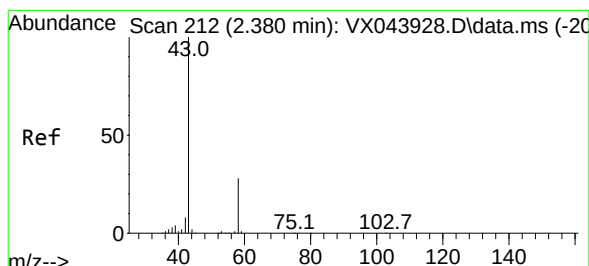
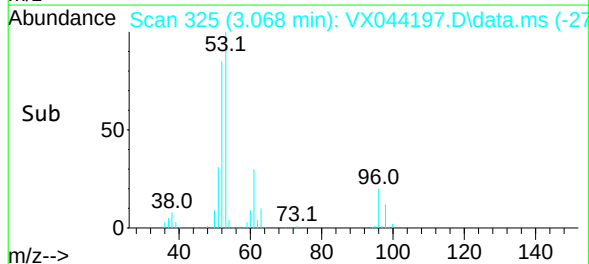
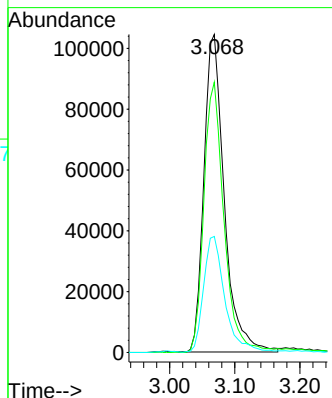
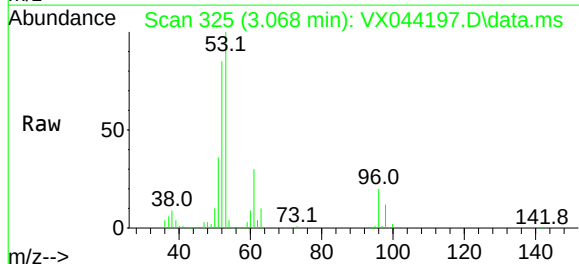
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	227165
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	38.1	30.2	45.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#16

Acetone

Concen: 290.702 ug/l

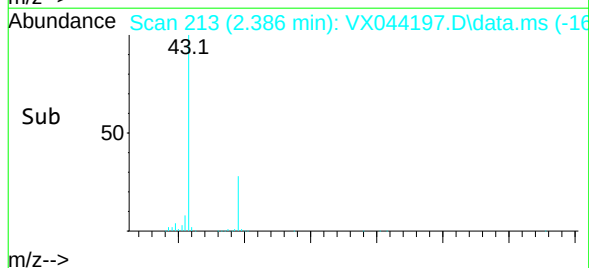
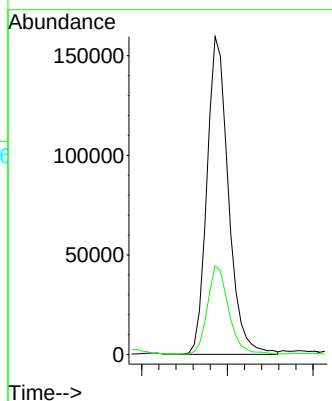
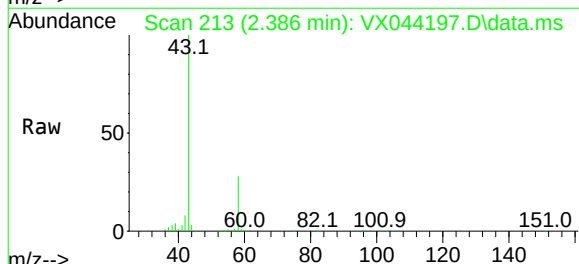
RT: 2.386 min Scan# 213

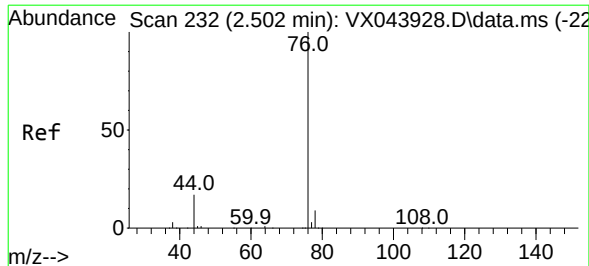
Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion:	43	Resp:	277283
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.7	34.1





#17

Carbon Disulfide

Concen: 40.453 ug/l

RT: 2.495 min Scan# 232

Delta R.T. -0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 116422

Ion Ratio Lower Upper

76 100

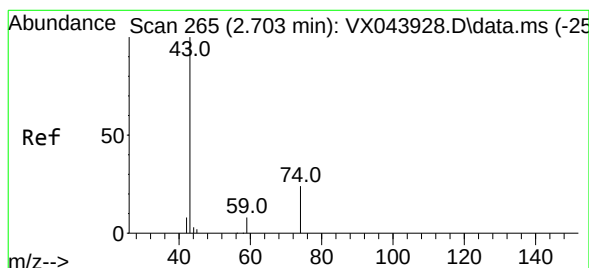
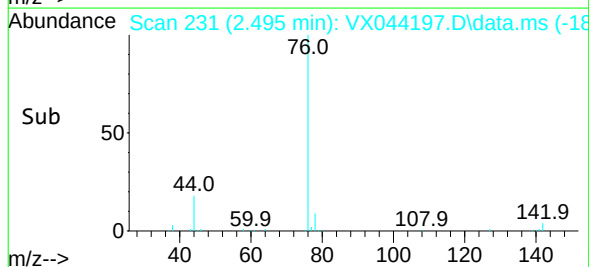
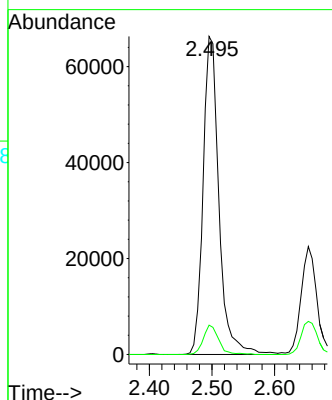
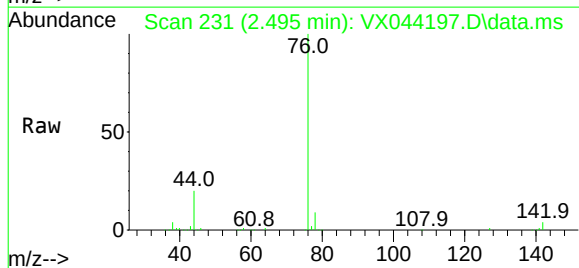
78 9.2 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#18

Methyl Acetate

Concen: 55.695 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX044197.D

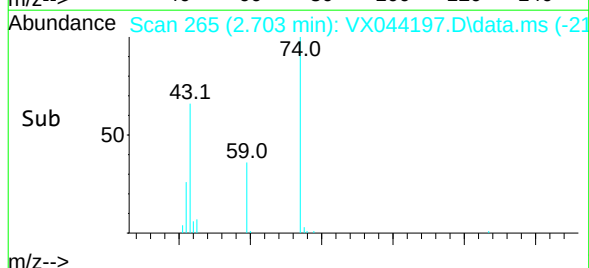
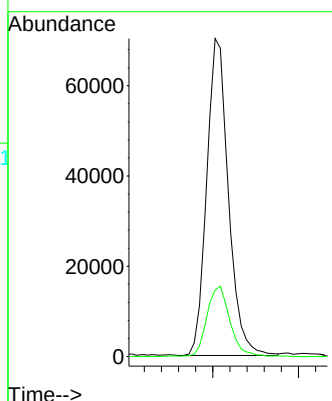
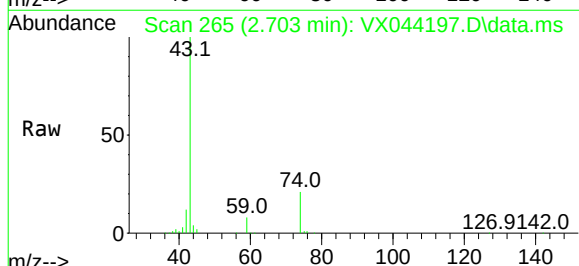
Acq: 10 Dec 2024 10:43

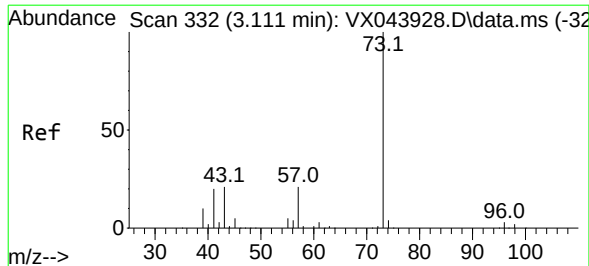
Tgt Ion: 43 Resp: 123713

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 53.378 ug/l

RT: 3.117 min Scan# 33

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 270415

Ion Ratio Lower Upper

73 100

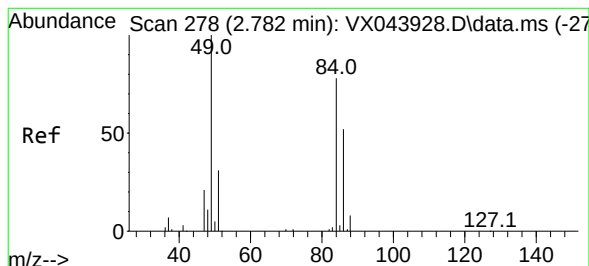
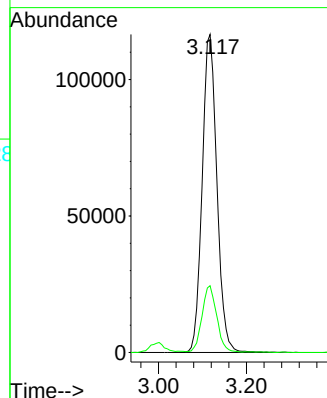
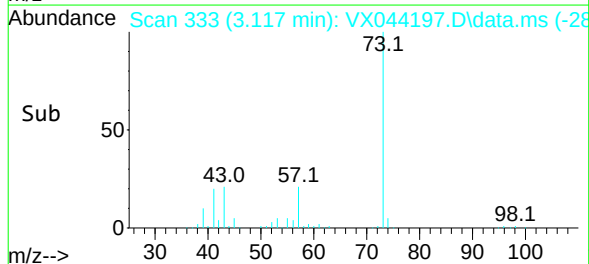
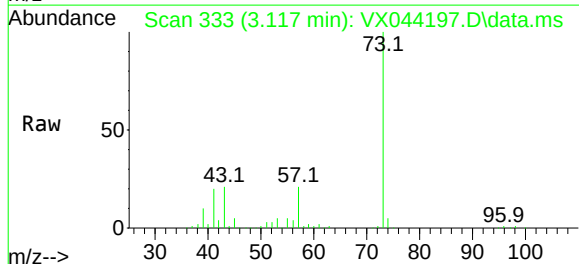
57 20.9 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#20

Methylene Chloride

Concen: 47.664 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion: 84 Resp: 77152

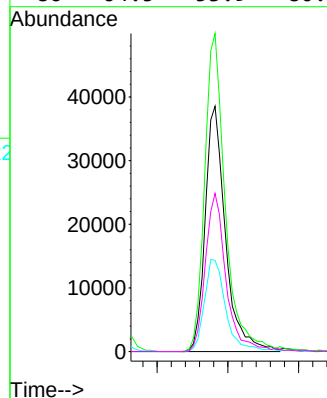
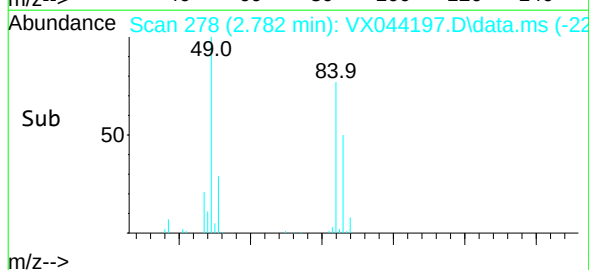
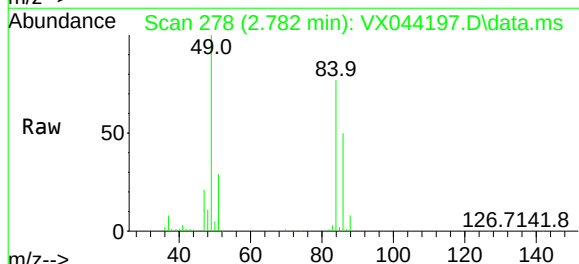
Ion Ratio Lower Upper

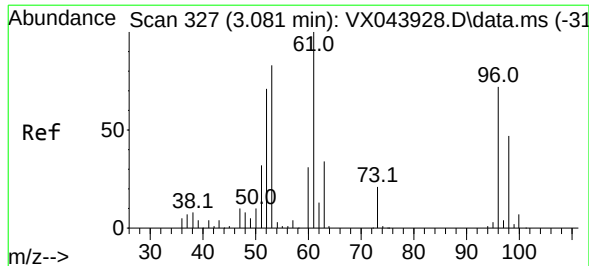
84 100

49 129.7 102.7 154.1

51 37.1 31.7 47.5

86 64.5 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 48.196 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 69426

Ion Ratio Lower Upper

96 100

61 141.2 111.8 167.6

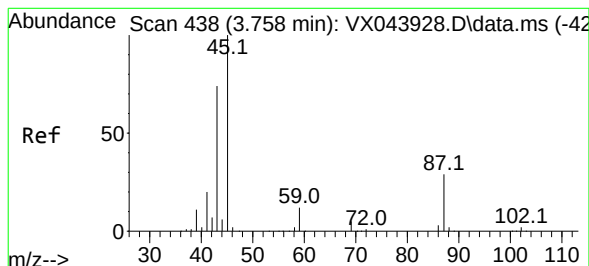
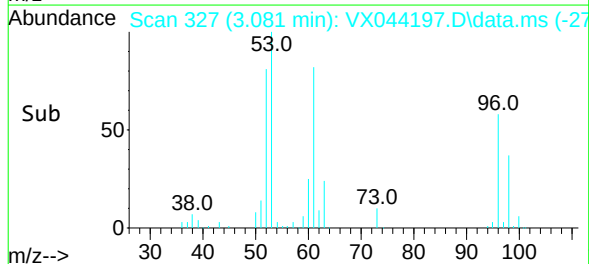
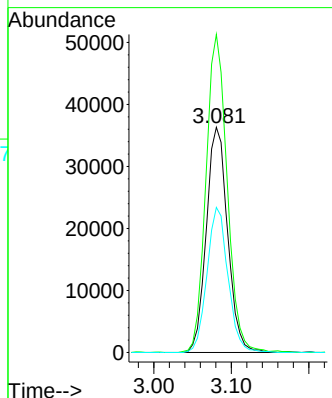
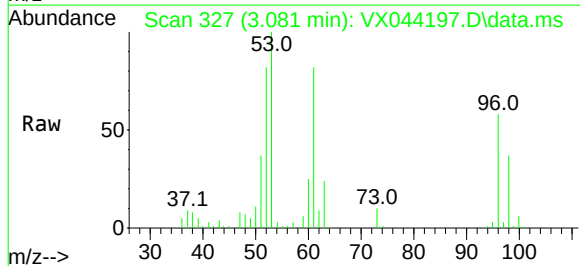
98 64.4 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#22

Diisopropyl ether

Concen: 53.030 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion: 45 Resp: 258512

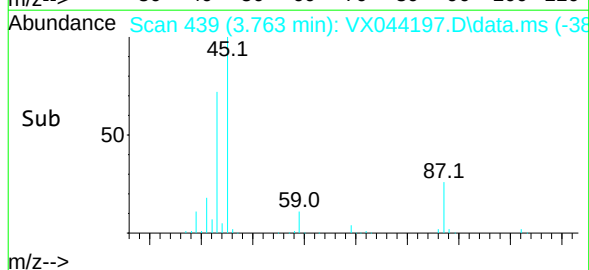
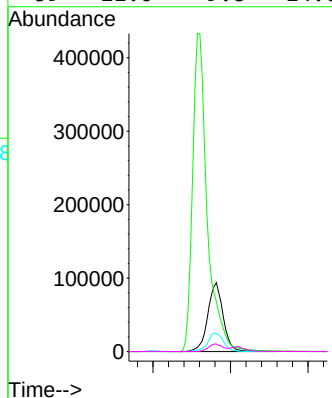
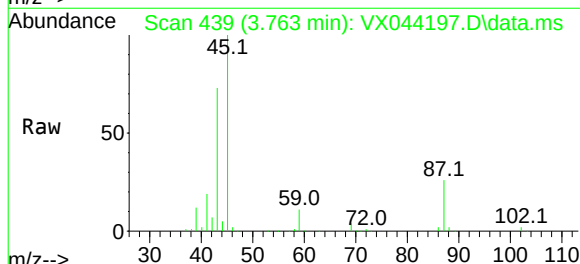
Ion Ratio Lower Upper

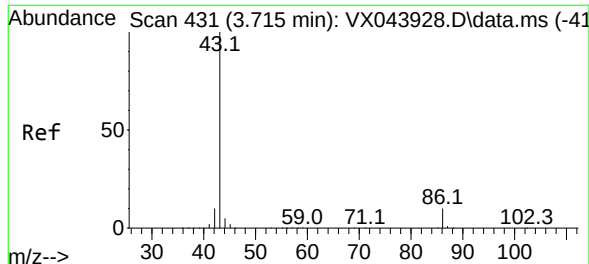
45 100

43 72.5 59.6 89.4

87 26.2 22.9 34.3

59 11.0 9.8 14.6





#23

Vinyl Acetate

Concen: 273.194 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1139264

Ion Ratio Lower Upper

43 100

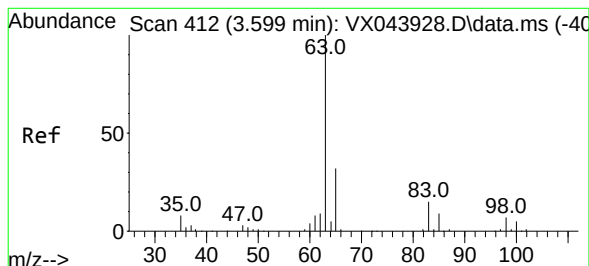
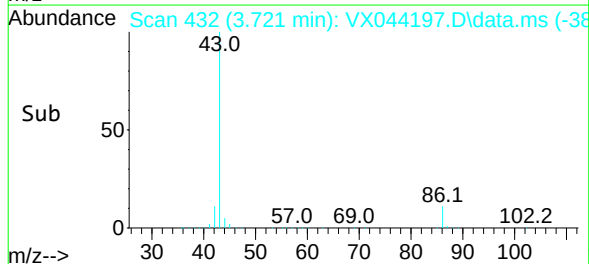
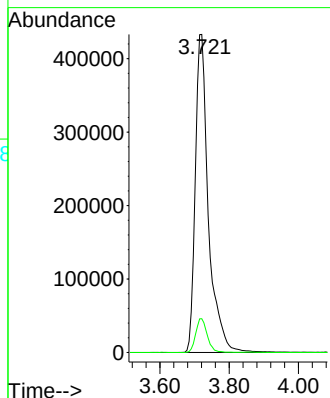
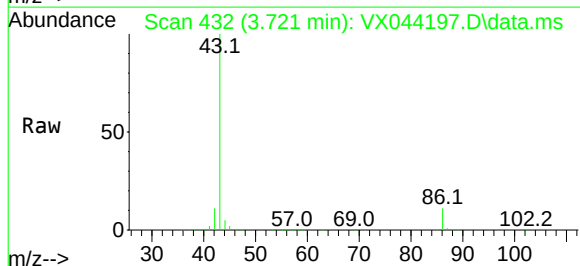
86 10.6 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#24

1,1-Dichloroethane

Concen: 50.716 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

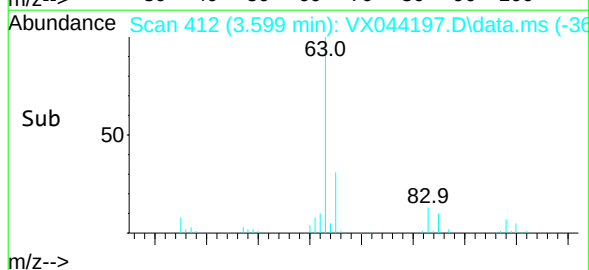
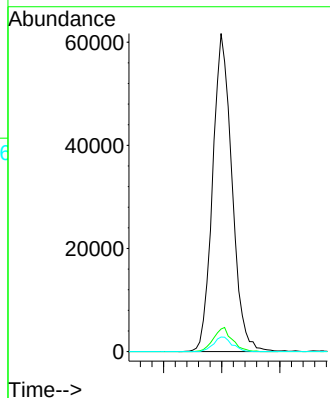
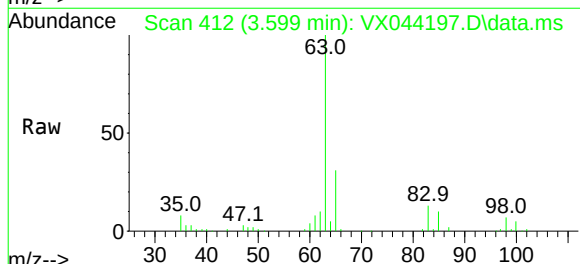
Tgt Ion: 63 Resp: 142627

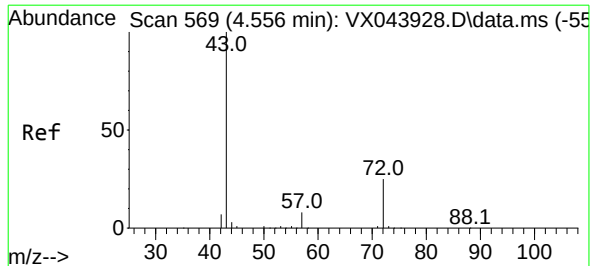
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 295.530 ug/l

RT: 4.562 min Scan# 57

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 363724

Ion Ratio Lower Upper

43 100

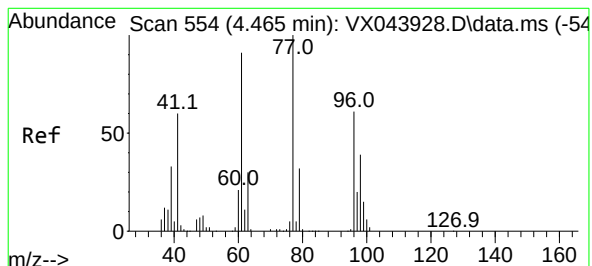
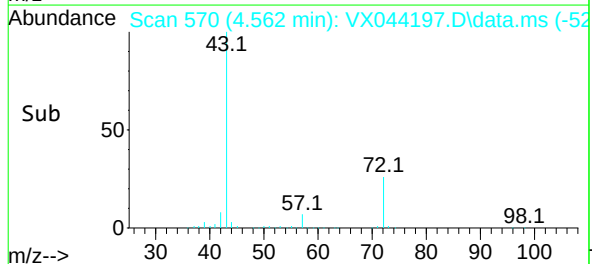
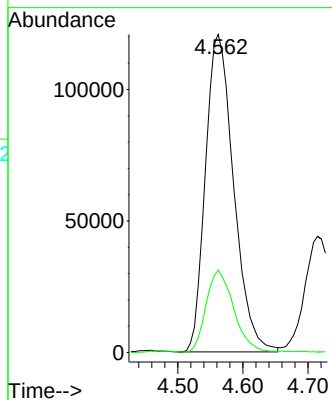
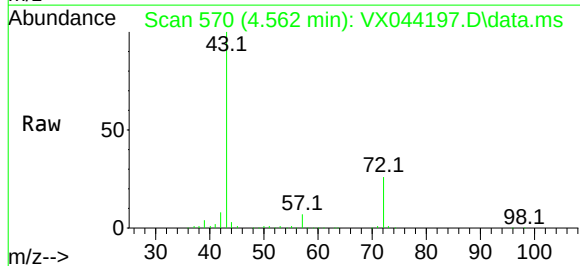
72 25.7 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#26

2,2-Dichloropropane

Concen: 52.181 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044197.D

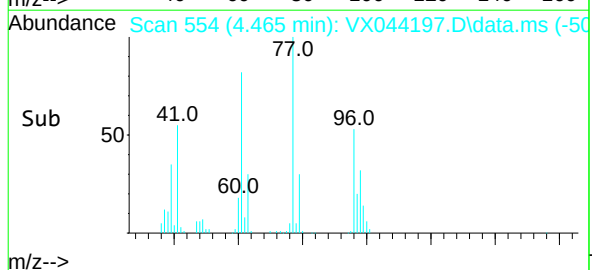
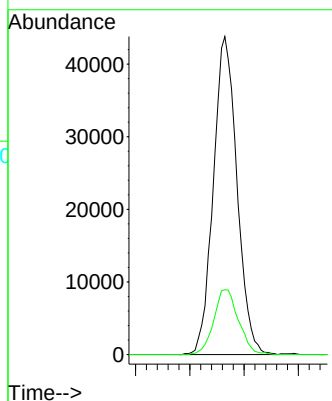
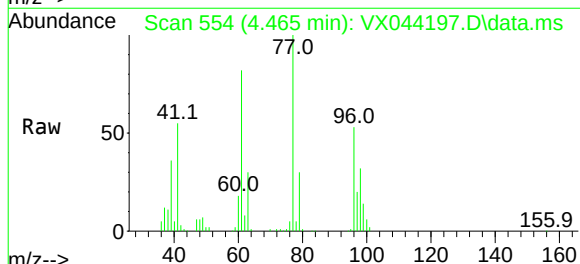
Acq: 10 Dec 2024 10:43

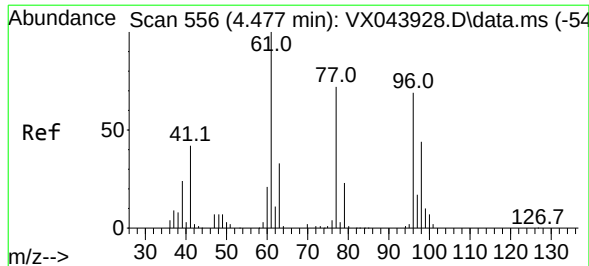
Tgt Ion: 77 Resp: 132529

Ion Ratio Lower Upper

77 100

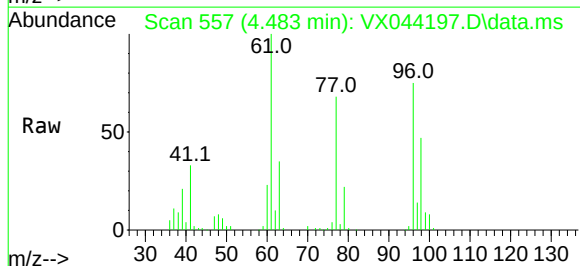
97 21.4 10.8 32.3





#27
cis-1,2-Dichloroethene
Concen: 50.935 ug/l
RT: 4.483 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

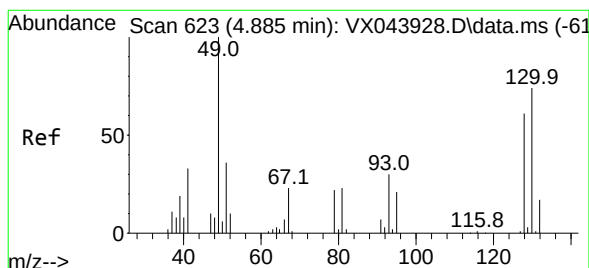
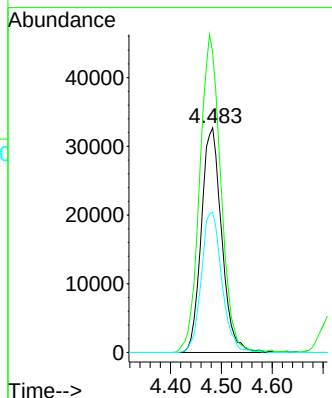
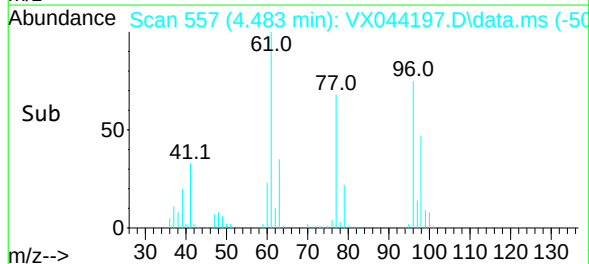
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



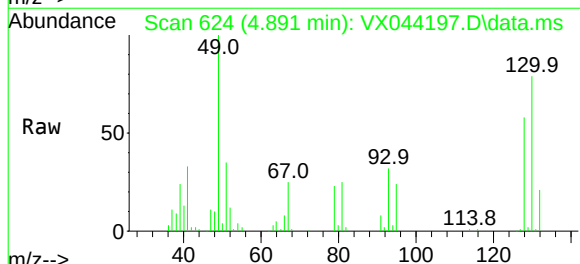
Tgt Ion: 96 Resp: 90693
Ion Ratio Lower Upper
96 100
61 146.4 0.0 297.4
98 63.2 0.0 127.8

Manual Integrations
APPROVED

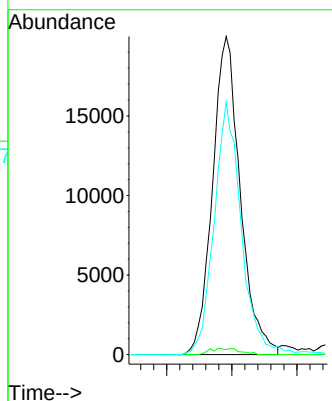
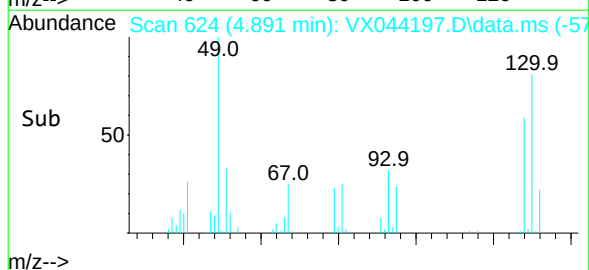
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

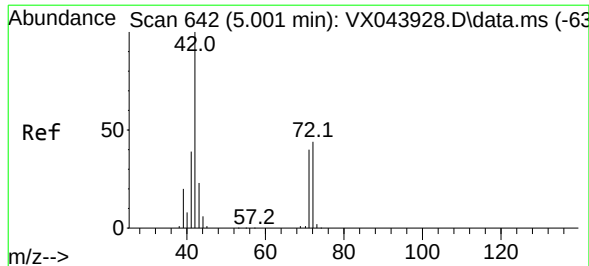


#28
Bromochloromethane
Concen: 47.802 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43



Tgt Ion: 49 Resp: 59174
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 77.2 59.0 88.6





#29

Tetrahydrofuran

Concen: 277.191 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 209149

Ion Ratio Lower Upper

42 100

72 45.9 36.4 54.6

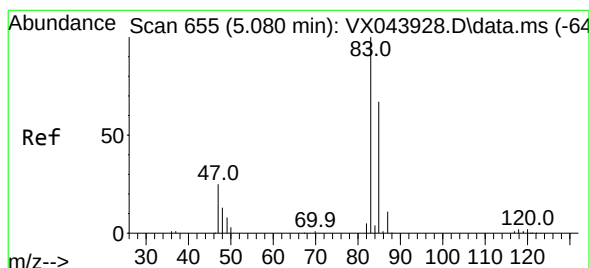
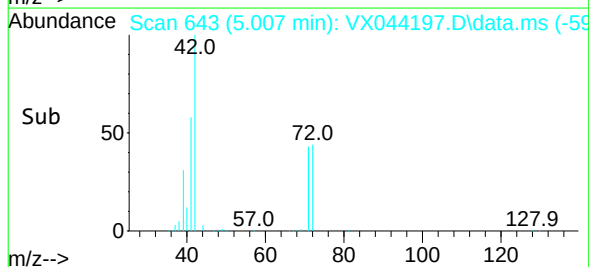
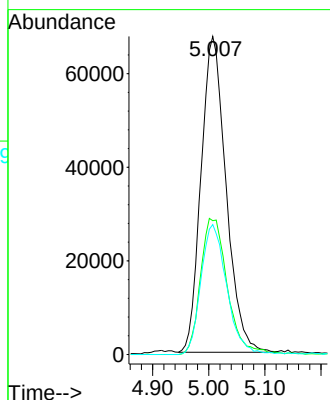
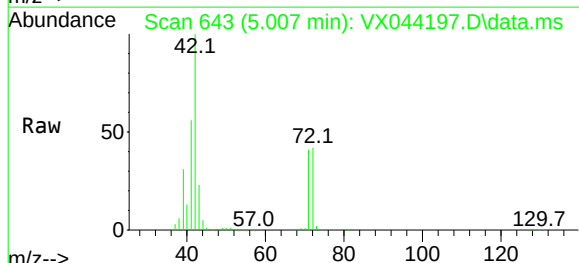
71 42.5 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#30

Chloroform

Concen: 51.884 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044197.D

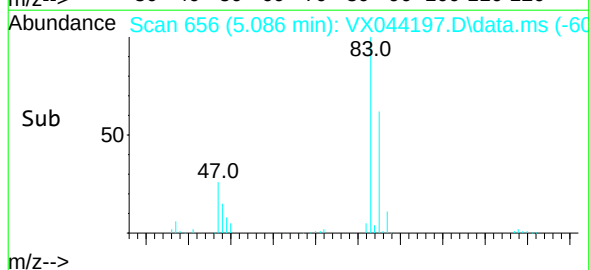
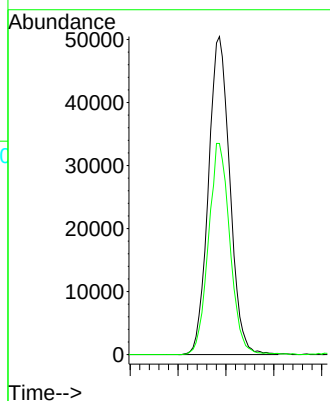
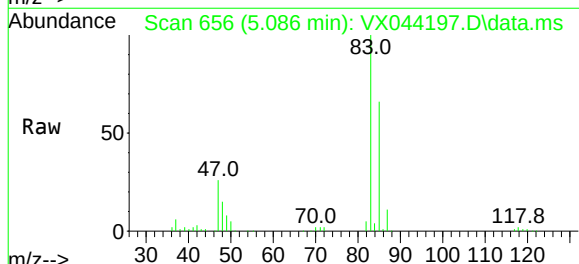
Acq: 10 Dec 2024 10:43

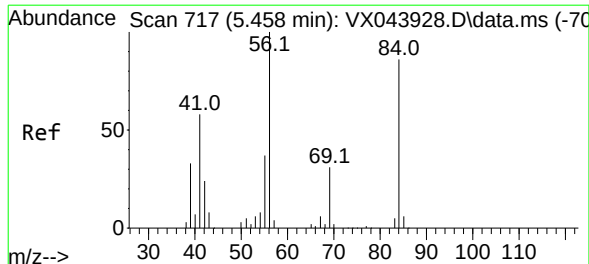
Tgt Ion: 83 Resp: 156932

Ion Ratio Lower Upper

83 100

85 66.4 53.5 80.3





#31

Cyclohexane

Concen: 48.357 ug/l

RT: 5.452 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 111927

Ion Ratio Lower Upper

56 100

69 29.6 24.7 37.1

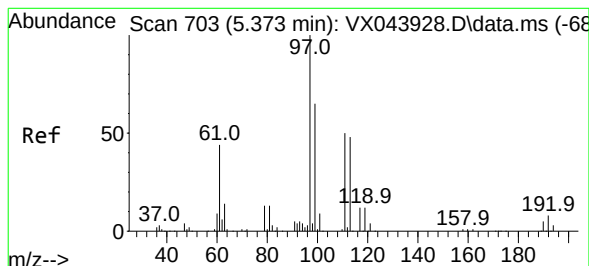
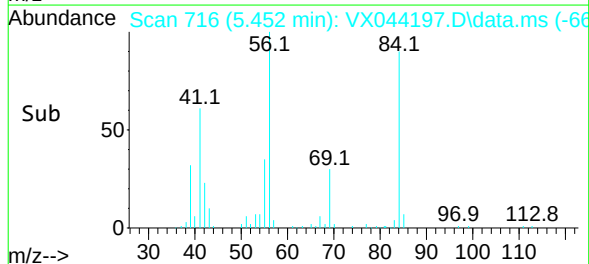
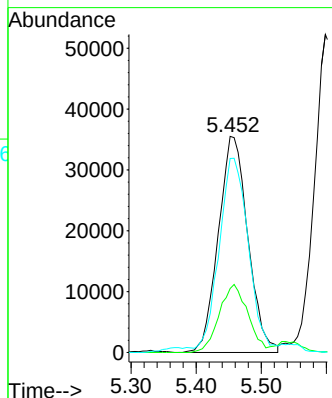
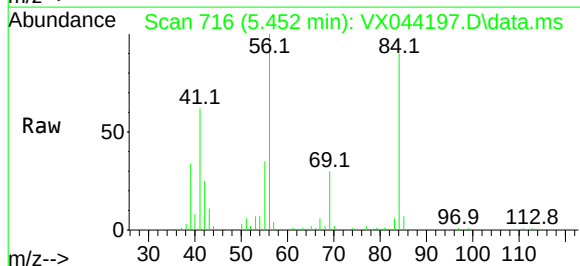
84 87.5 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#32

1,1,1-Trichloroethane

Concen: 53.075 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

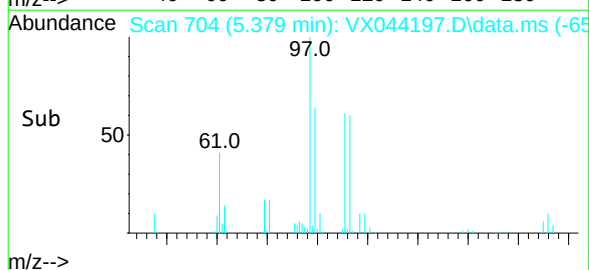
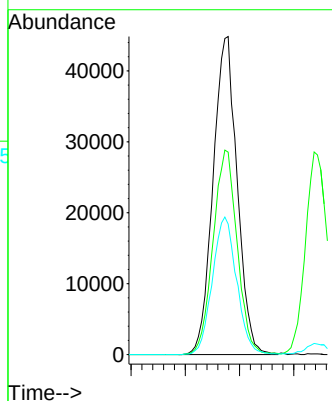
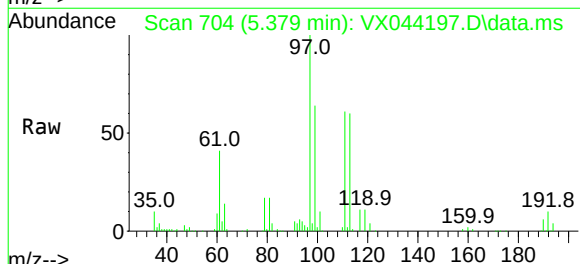
Tgt Ion: 97 Resp: 138440

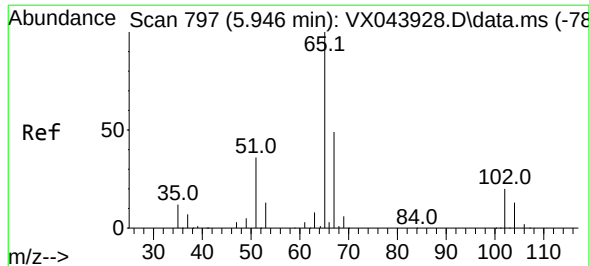
Ion Ratio Lower Upper

97 100

99 64.3 50.8 76.2

61 43.5 35.4 53.2





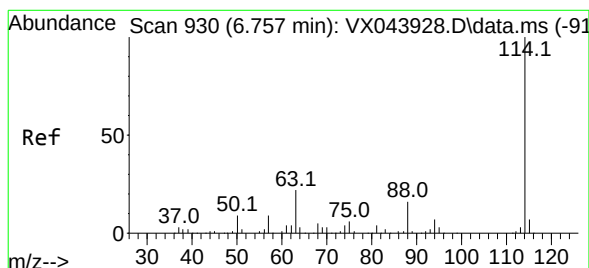
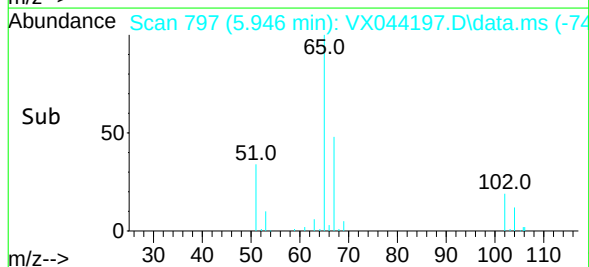
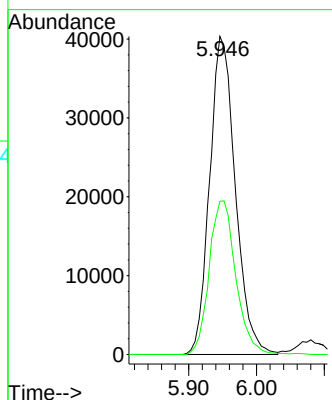
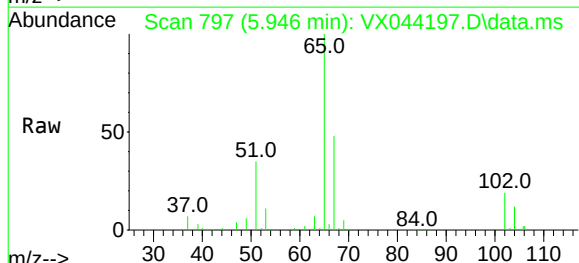
#33
1,2-Dichloroethane-d4
Concen: 51.166 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 106260
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.8

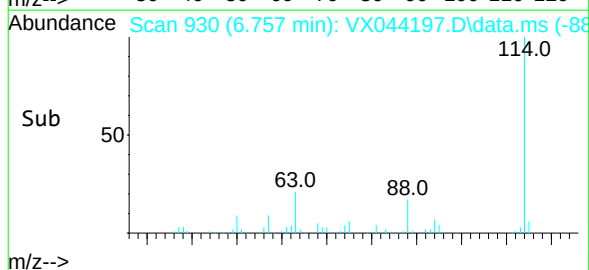
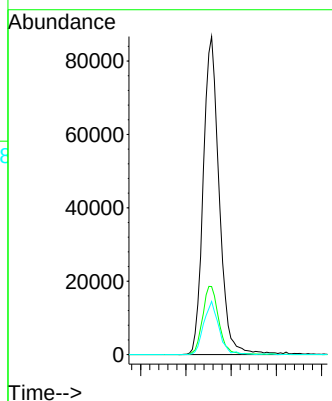
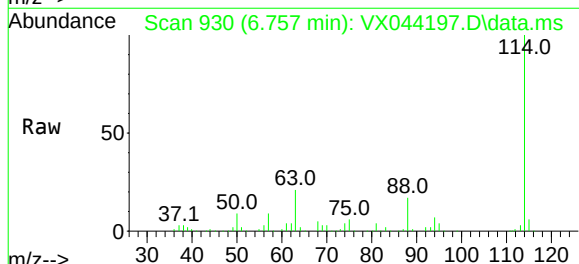
Manual Integrations
APPROVED

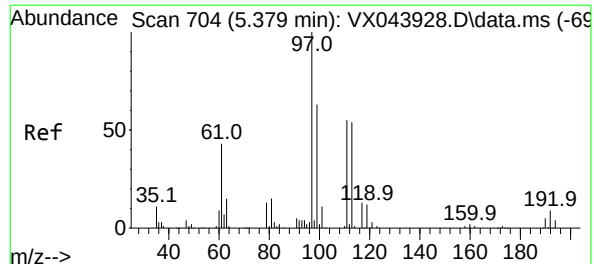
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:114 Resp: 212067
Ion Ratio Lower Upper
114 100
63 21.4 0.0 44.0
88 16.7 0.0 32.4





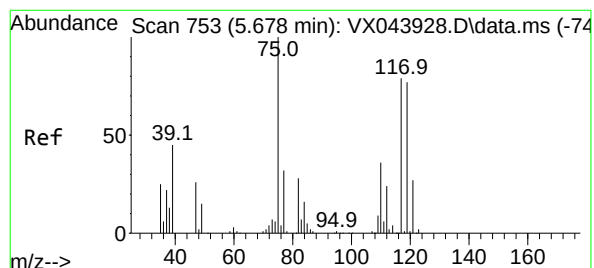
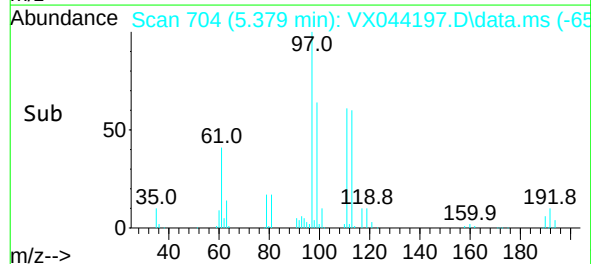
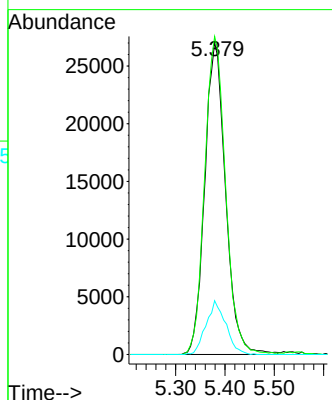
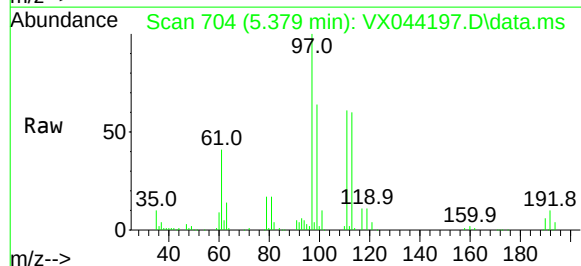
#35
Dibromofluoromethane
Concen: 52.308 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 113 Resp: 79263
Ion Ratio Lower Upper
113 100
111 102.8 81.0 121.4
192 16.4 13.0 19.6

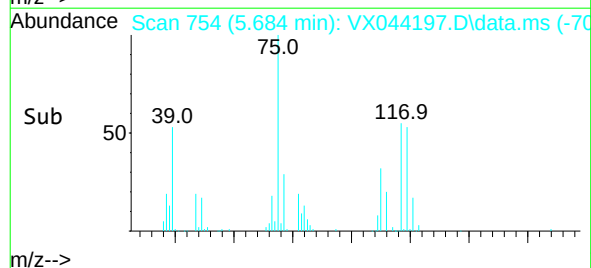
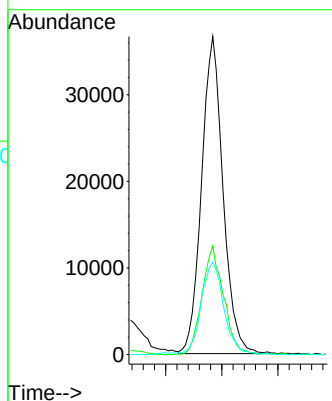
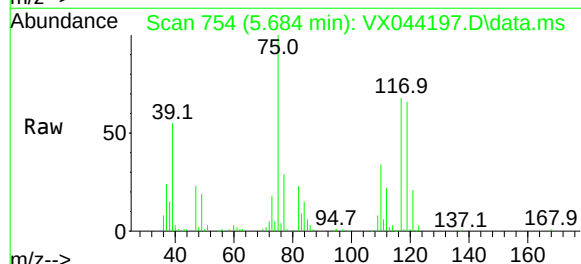
Manual Integrations
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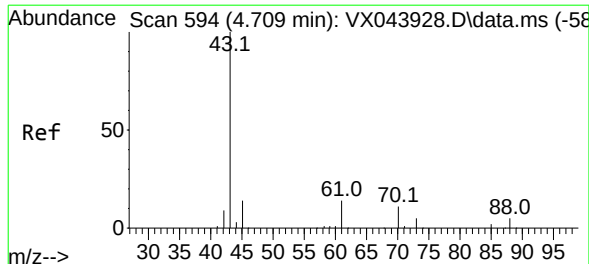
Reviewed By : John Carlone 12/11/2024
Supervised By : Mahesh Dadoda 12/11/2024



#36
1,1-Dichloropropene
Concen: 51.492 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 75 Resp: 97232
Ion Ratio Lower Upper
75 100
110 34.4 17.4 52.2
77 30.4 25.8 38.8





#37

Ethyl Acetate

Concen: 57.521 ug/l

RT: 4.715 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 134827

Ion Ratio Lower Upper

43 100

61 12.4 10.7 16.1

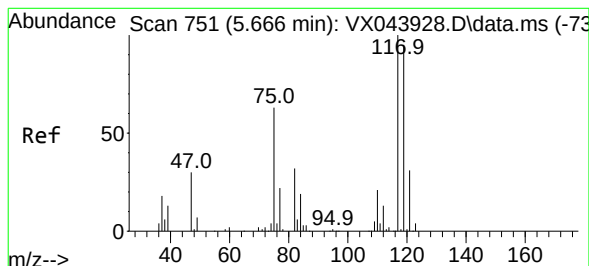
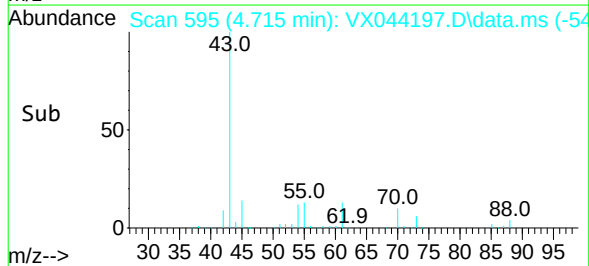
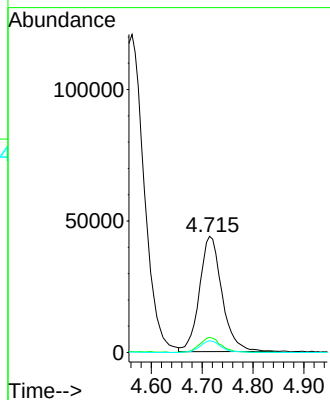
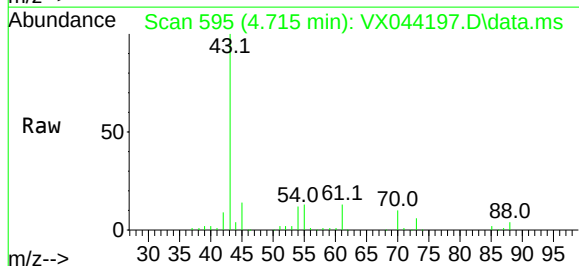
70 9.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#38

Carbon Tetrachloride

Concen: 52.842 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

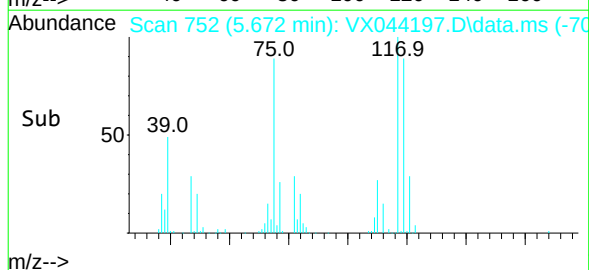
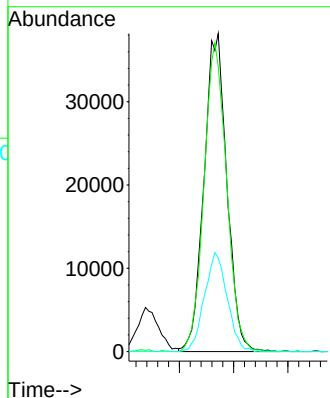
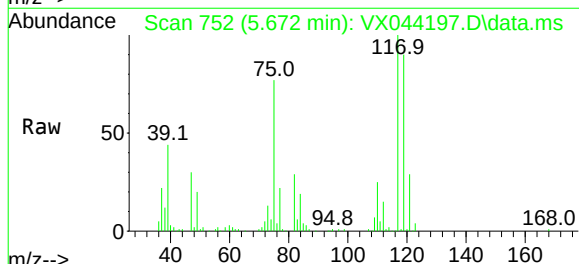
Tgt Ion:117 Resp: 112117

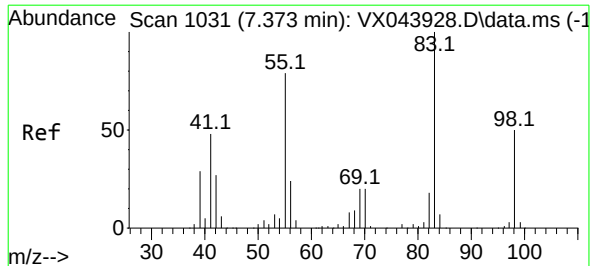
Ion Ratio Lower Upper

117 100

119 89.7 75.2 112.8

121 29.4 24.5 36.7





#39

Methylcyclohexane

Concen: 50.287 ug/l

RT: 7.373 min Scan# 10

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion: 83 Resp: 123359

Ion Ratio Lower Upper

83 100

55 76.6 63.1 94.7

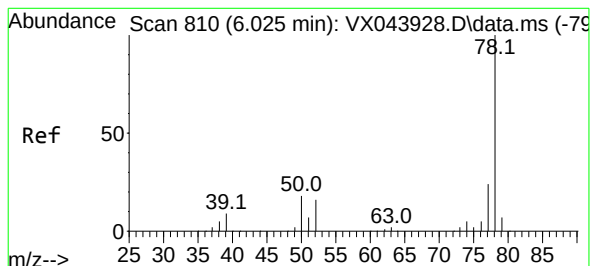
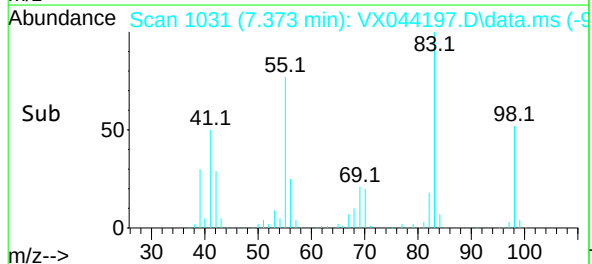
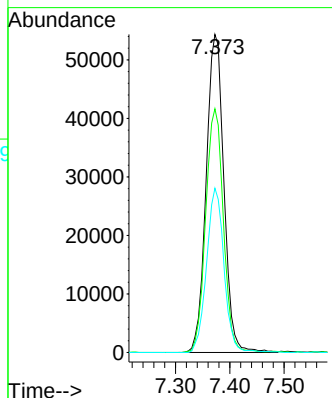
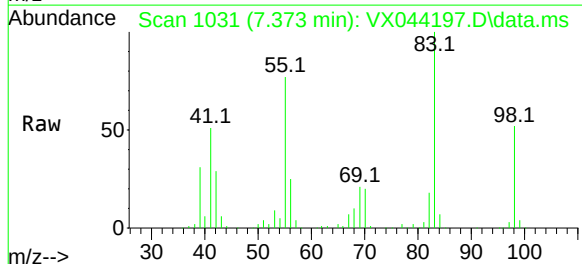
98 51.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#40

Benzene

Concen: 50.434 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044197.D

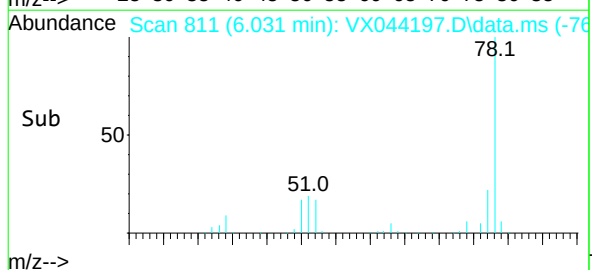
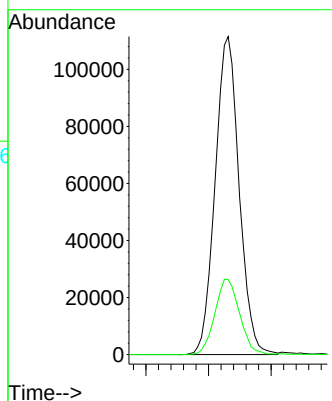
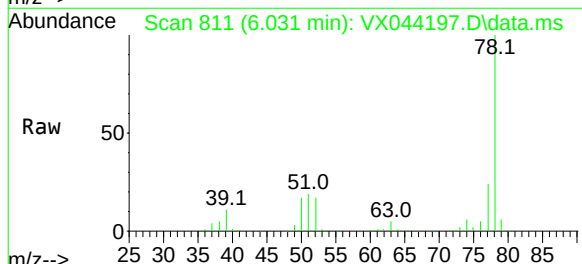
Acq: 10 Dec 2024 10:43

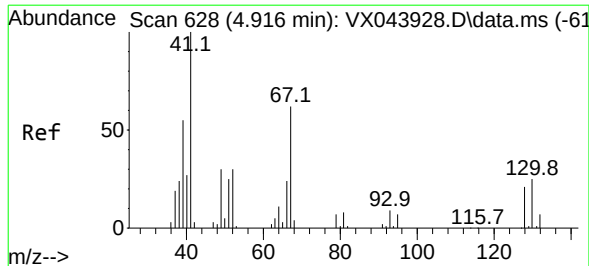
Tgt Ion: 78 Resp: 296645

Ion Ratio Lower Upper

78 100

77 23.6 19.2 28.8





#41

Methacrylonitrile

Concen: 57.147 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 68558

Ion Ratio Lower Upper

41 100

39 59.9 41.7 62.5

67 71.1 55.8 83.8

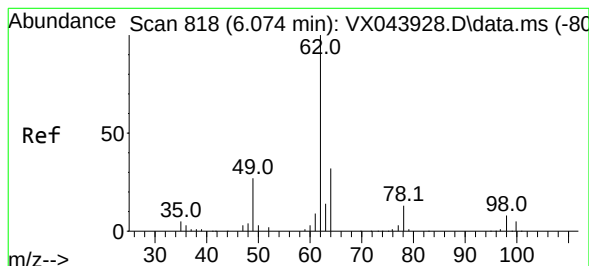
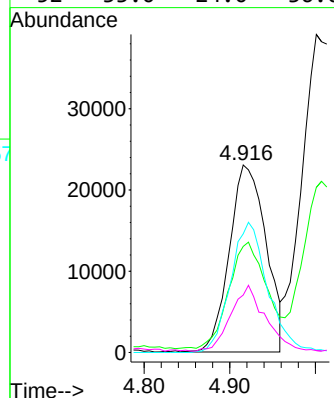
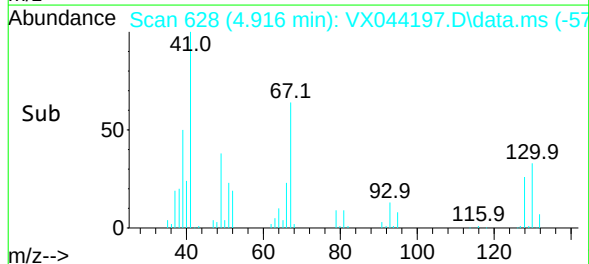
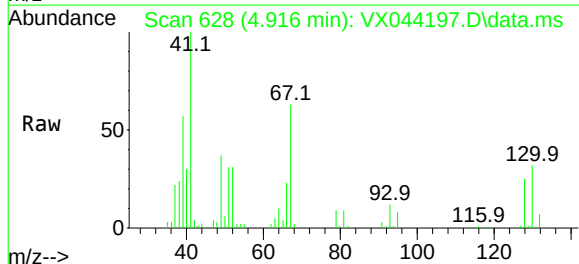
52 33.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#42

1,2-Dichloroethane

Concen: 53.674 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX044197.D

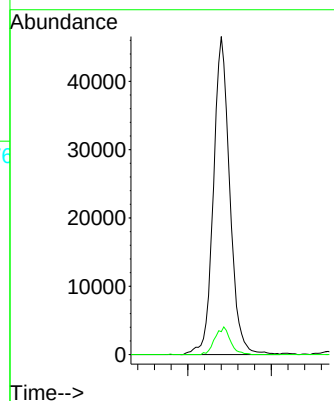
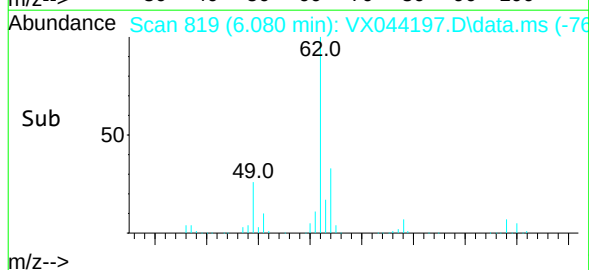
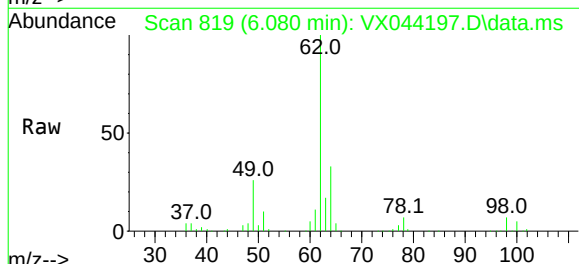
Acq: 10 Dec 2024 10:43

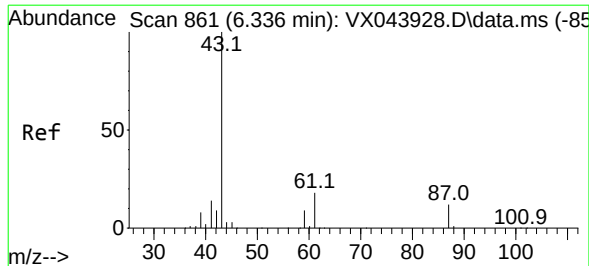
Tgt Ion: 62 Resp: 126793

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 56.898 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

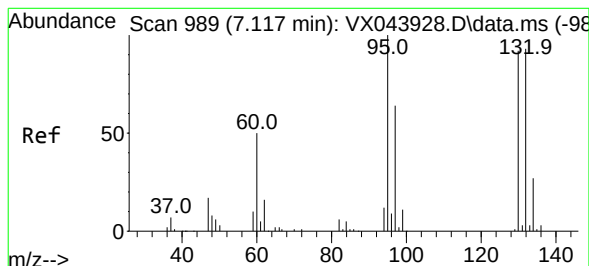
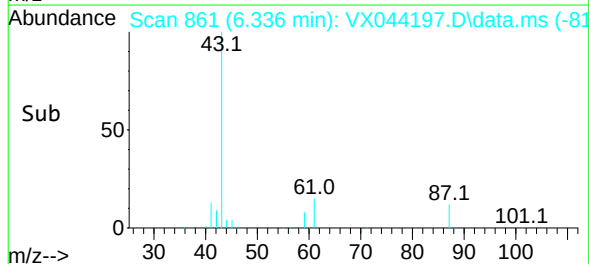
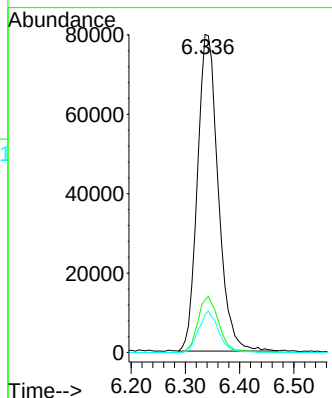
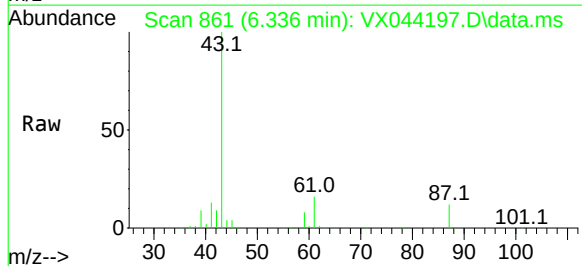
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	212244
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	12.5	10.2	15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#44

Trichloroethene

Concen: 45.635 ug/l

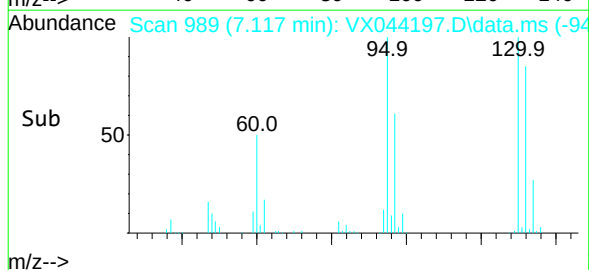
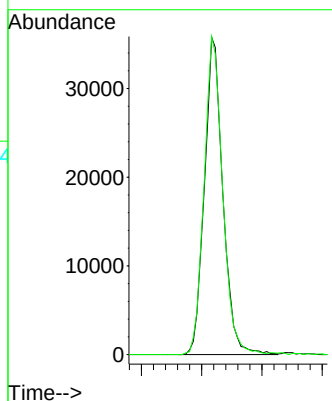
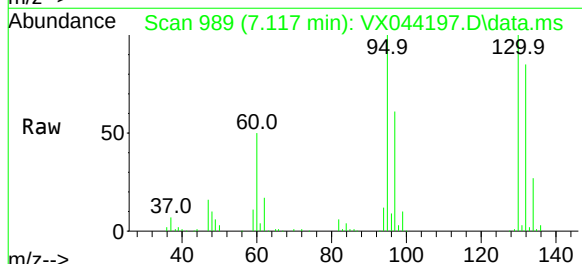
RT: 7.117 min Scan# 989

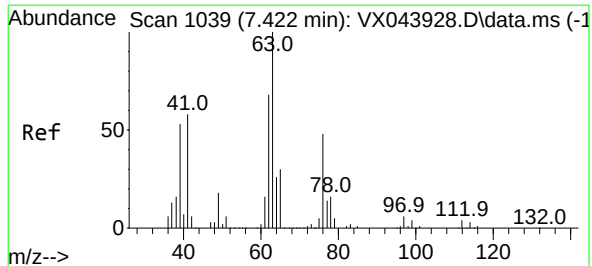
Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion:	130	Resp:	75985
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	217.8





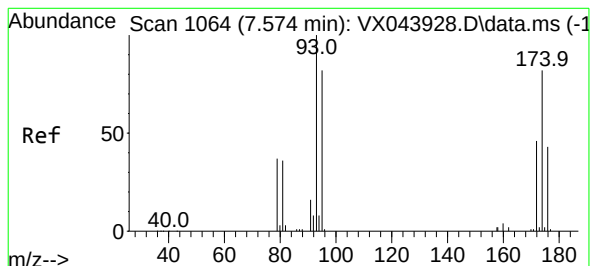
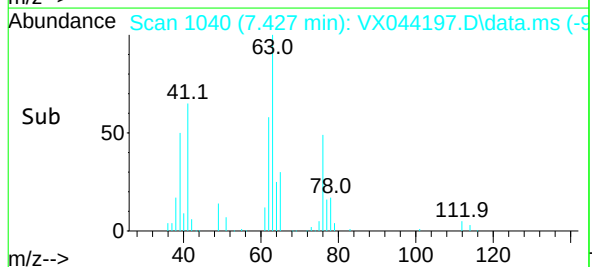
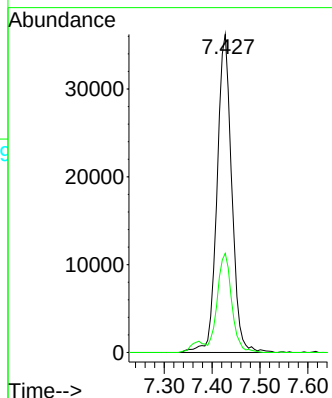
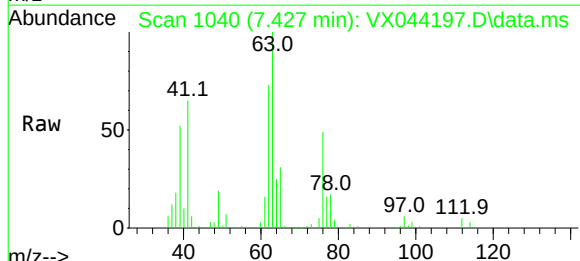
#45
1,2-Dichloropropane
Concen: 53.666 ug/l
RT: 7.427 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDECC050

Tgt Ion: 63 Resp: 77311
Ion Ratio Lower Upper
63 100
65 31.2 23.8 35.6

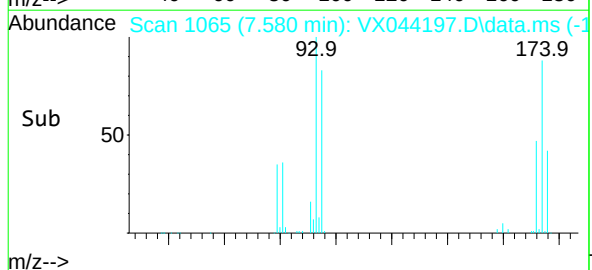
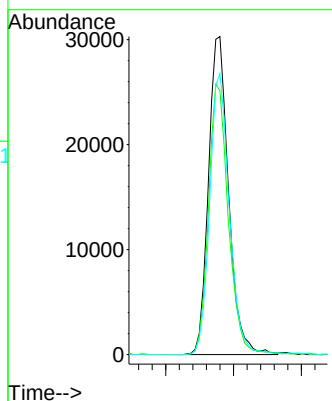
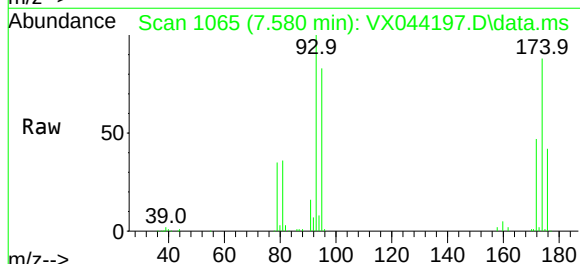
Manual Integrations
APPROVED

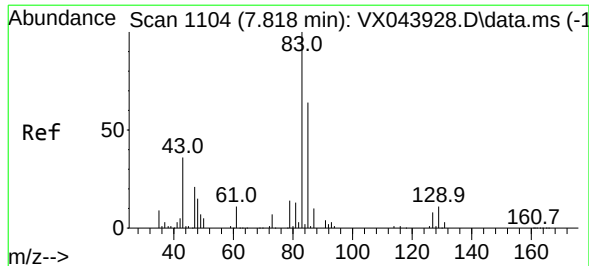
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#46
Dibromomethane
Concen: 54.728 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 93 Resp: 62367
Ion Ratio Lower Upper
93 100
95 84.0 66.2 99.4
174 86.3 69.6 104.4





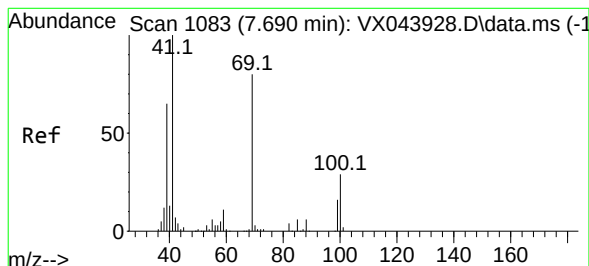
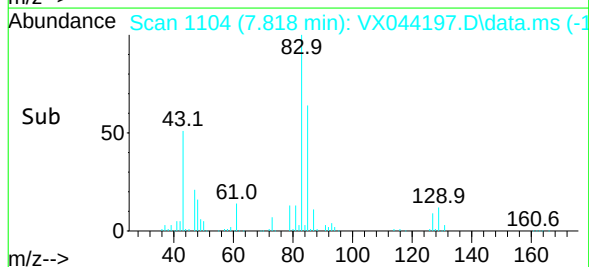
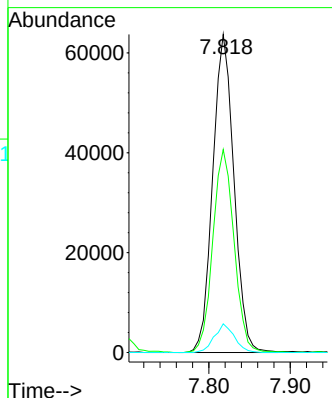
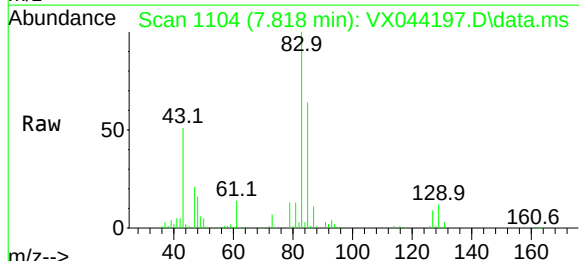
#47
Bromodichloromethane
Concen: 56.513 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 115501
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.0
127 9.0 6.6 10.0

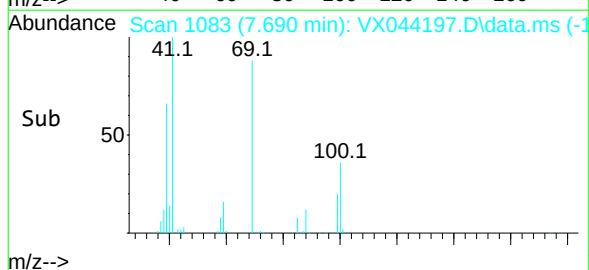
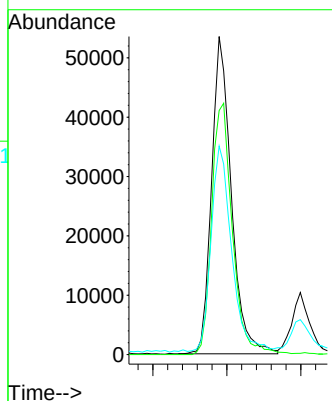
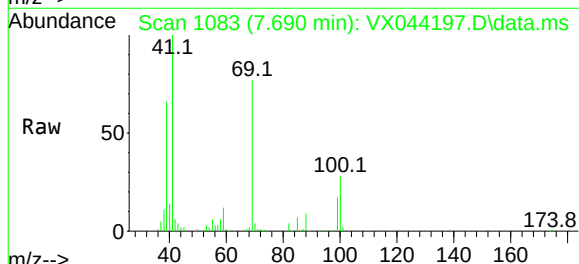
Manual Integrations
APPROVED

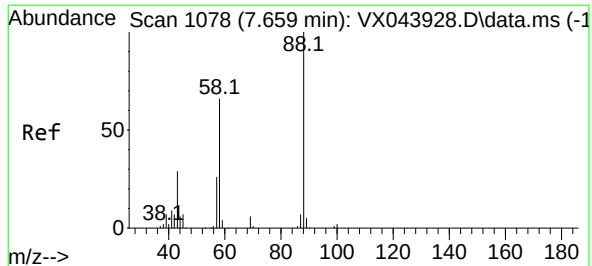
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#48
Methyl methacrylate
Concen: 55.319 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

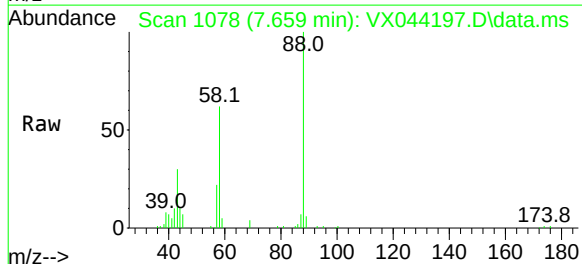
Tgt Ion: 41 Resp: 99017
Ion Ratio Lower Upper
41 100
69 83.4 64.6 97.0
39 67.0 53.3 79.9





#49
1,4-Dioxane
Concen: 892.162 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

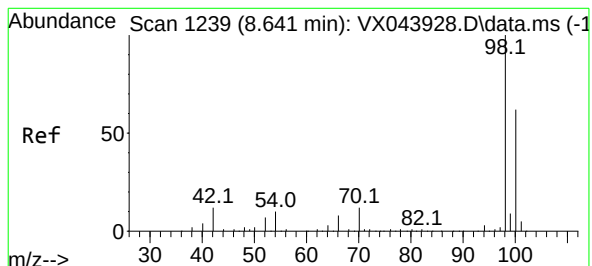
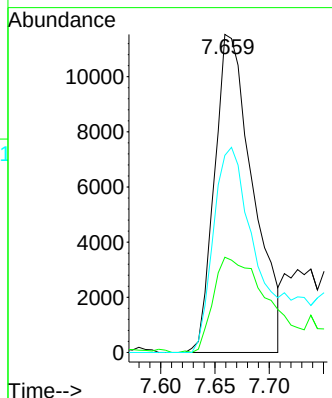
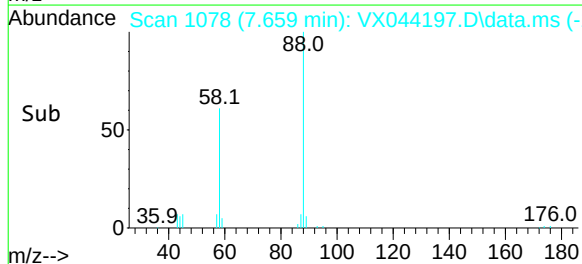
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 88 Resp: 28446
Ion Ratio Lower Upper
88 100
43 43.1 26.8 40.2#
58 80.2 45.4 68.2#

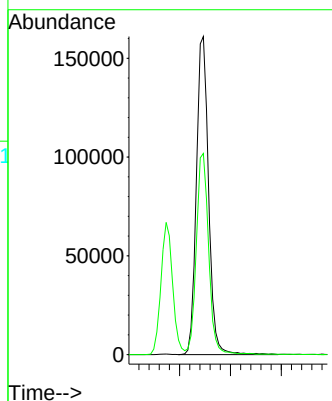
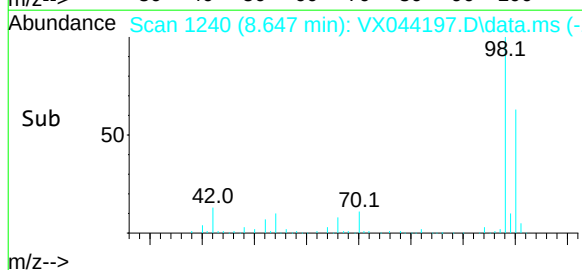
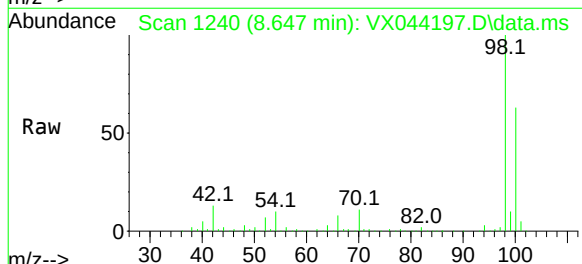
Manual Integrations
APPROVED

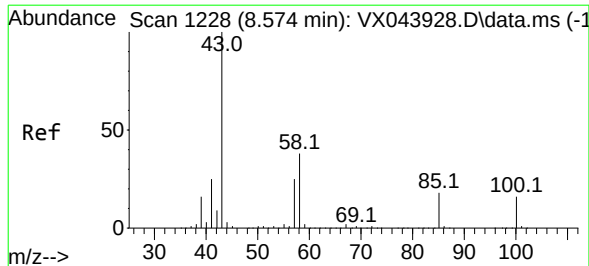
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#50
Toluene-d8
Concen: 51.339 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 98 Resp: 268167
Ion Ratio Lower Upper
98 100
100 62.8 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 305.931 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion: 43 Resp: 696425

Ion Ratio Lower Upper

43 100

58 37.2 30.0 45.0

Instrument :

MSVOA_X

ClientSampleId :

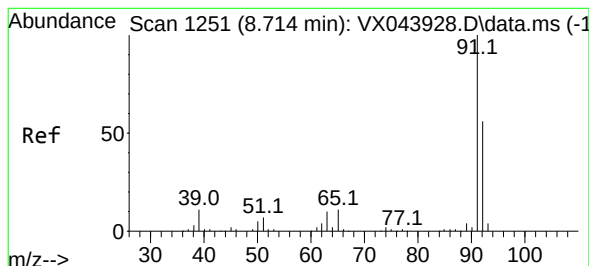
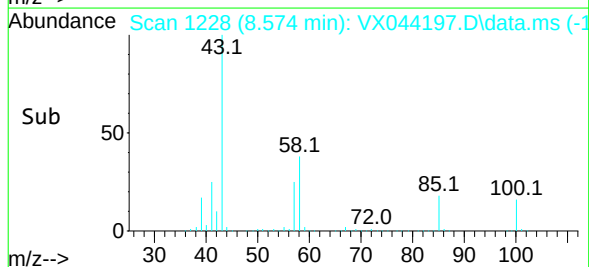
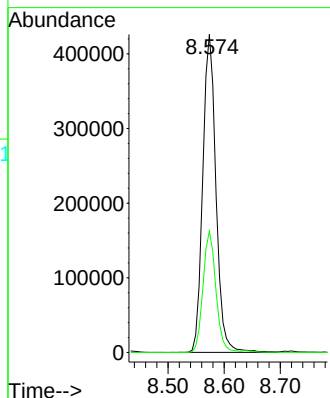
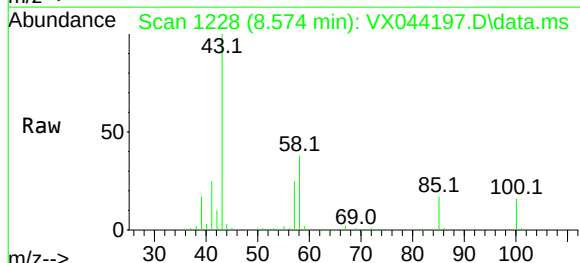
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#52

Toluene

Concen: 53.762 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044197.D

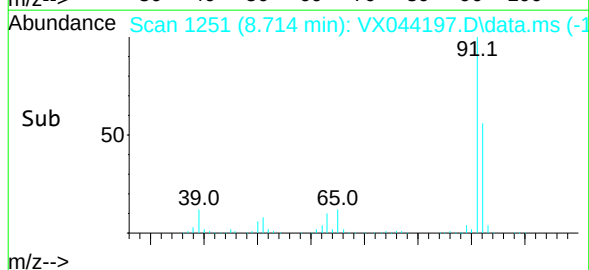
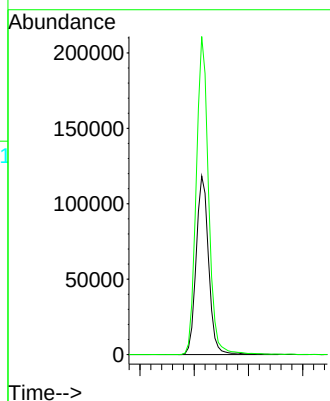
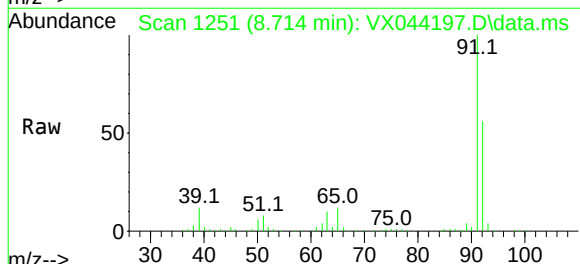
Acq: 10 Dec 2024 10:43

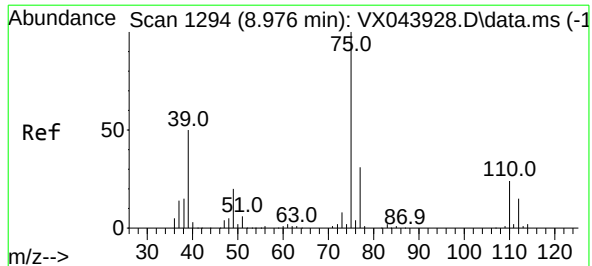
Tgt Ion: 92 Resp: 189268

Ion Ratio Lower Upper

92 100

91 175.9 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 57.607 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 120064

Ion Ratio Lower Upper

75 100

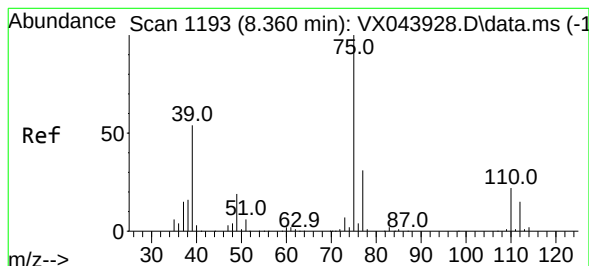
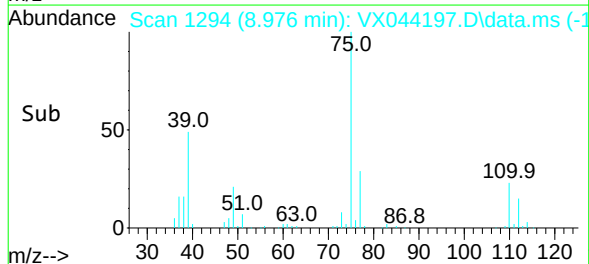
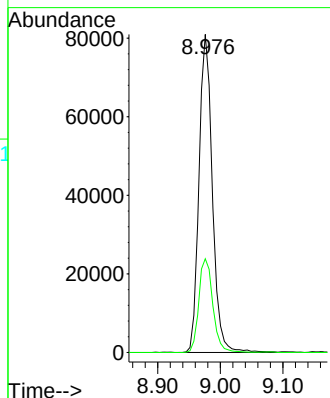
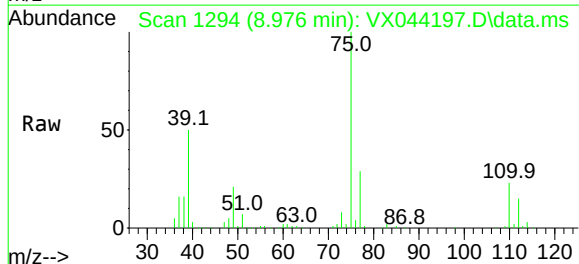
77 29.5 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#54

cis-1,3-Dichloropropene

Concen: 54.845 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

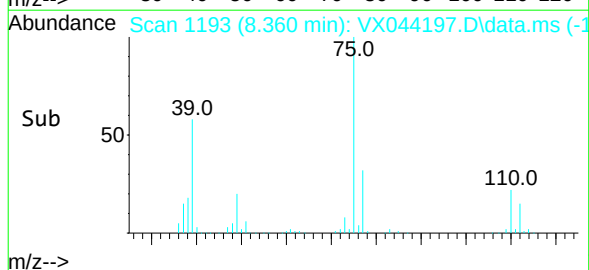
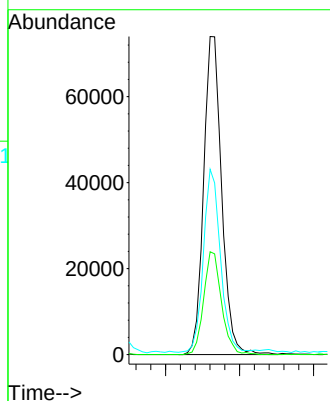
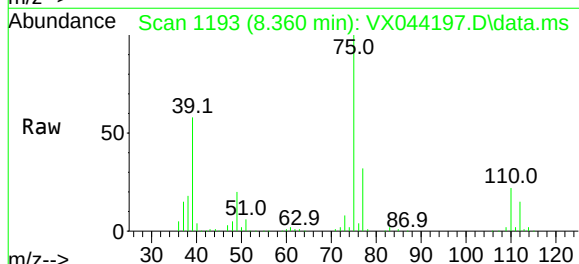
Tgt Ion: 75 Resp: 125311

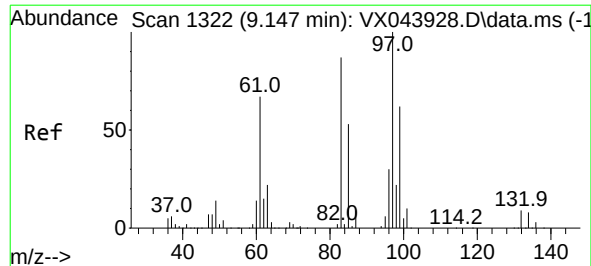
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 57.5 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 55.687 ug/l
RT: 9.153 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

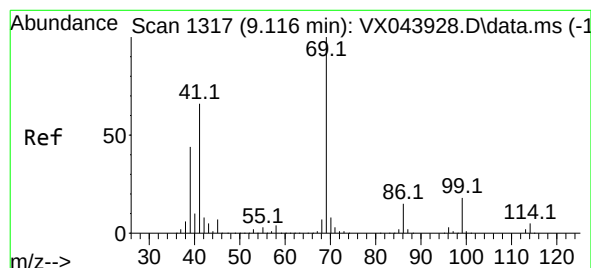
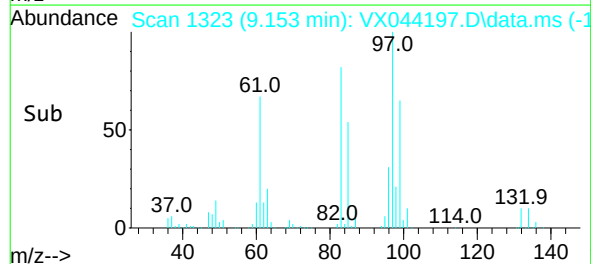
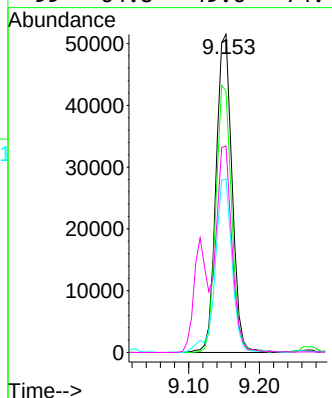
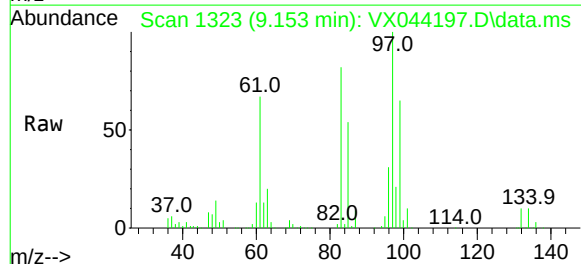
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.2	69.4	104.0
85	54.5	42.3	63.5
99	64.8	49.6	74.4

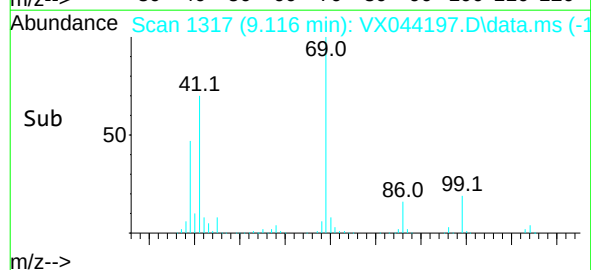
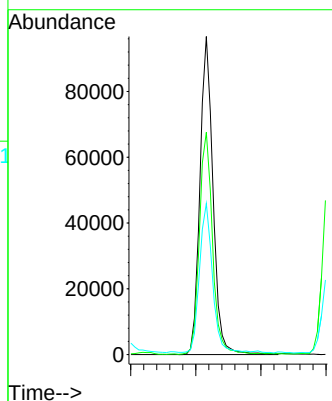
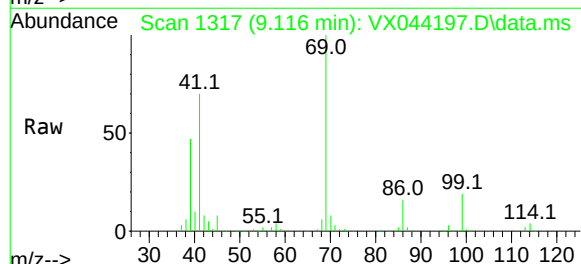
Manual Integrations
APPROVED

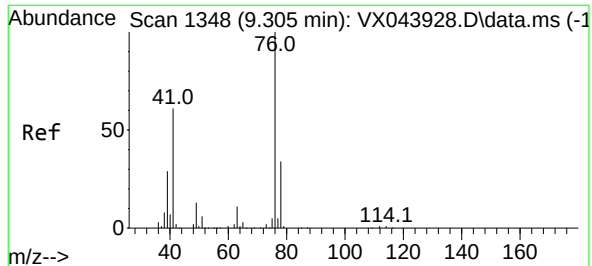
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#56
Ethyl methacrylate
Concen: 59.532 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.8	83.8
39	46.2	36.7	55.1





#57
1,3-Dichloropropane
Concen: 55.393 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

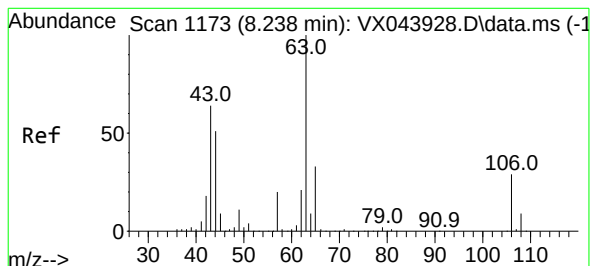
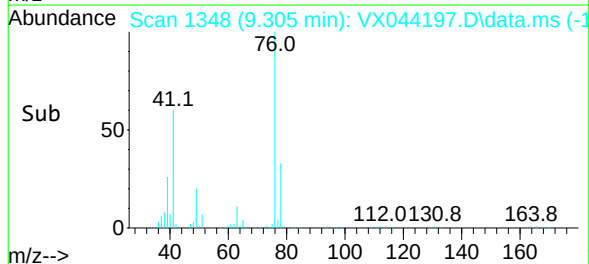
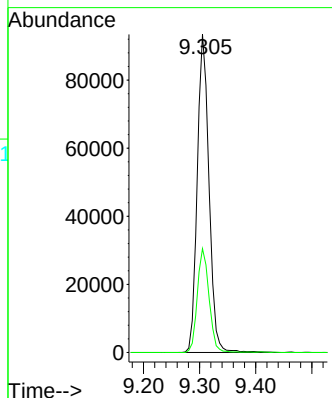
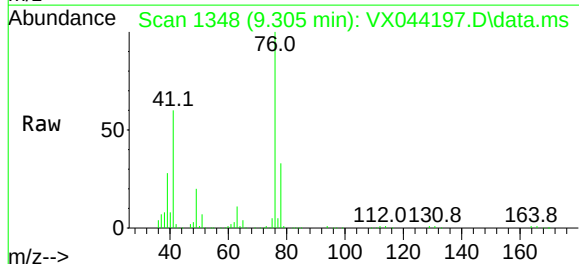
ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 135605
Ion Ratio Lower Upper
76 100
78 32.6 26.0 39.0

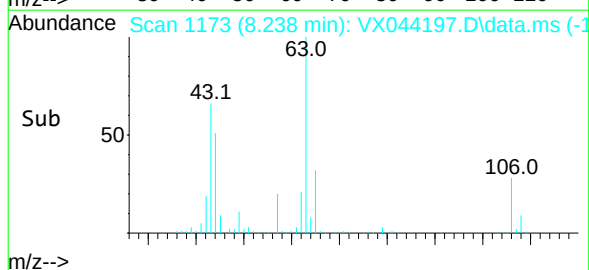
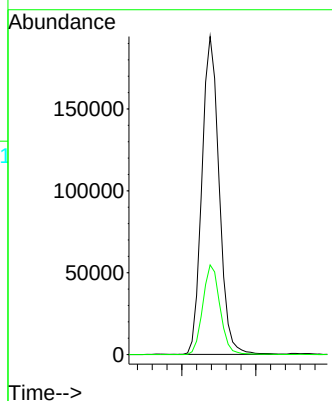
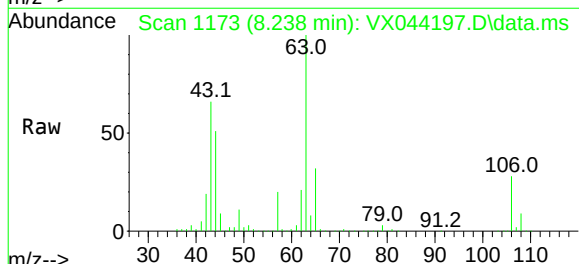
Manual Integrations
APPROVED

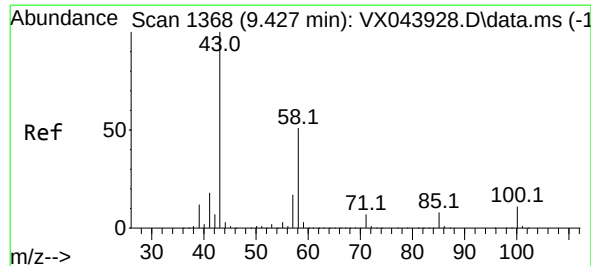
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#58
2-Chloroethyl Vinyl ether
Concen: 253.403 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 63 Resp: 314332
Ion Ratio Lower Upper
63 100
106 28.3 23.0 34.6





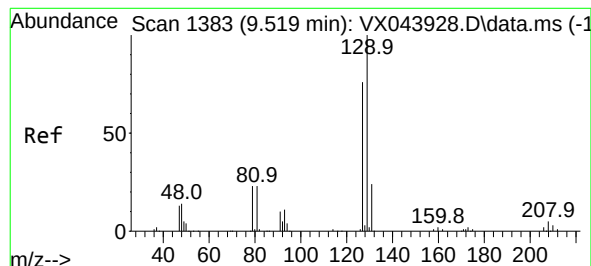
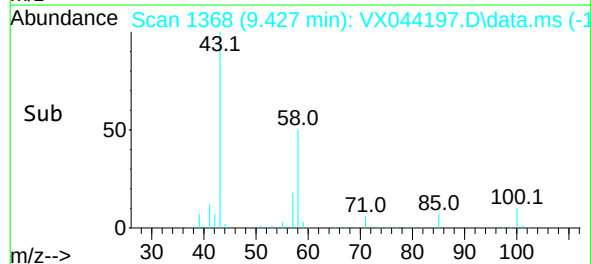
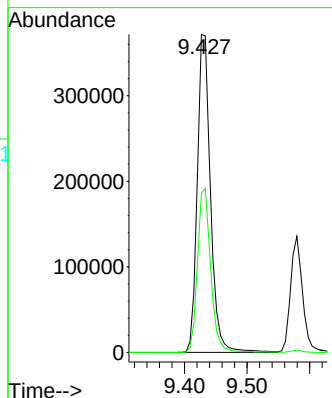
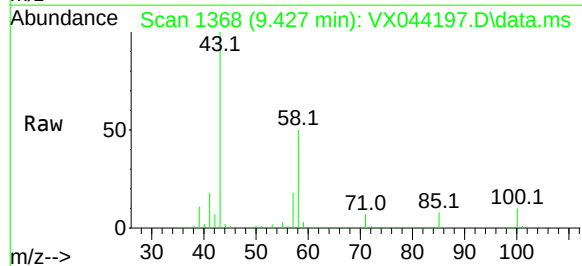
#59
2-Hexanone
Concen: 319.041 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 545883
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6

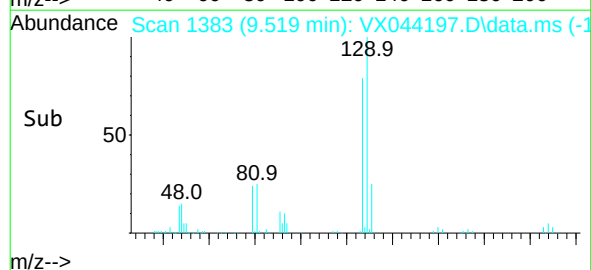
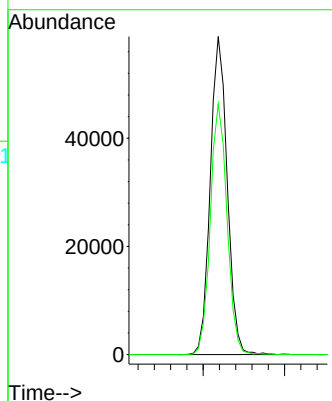
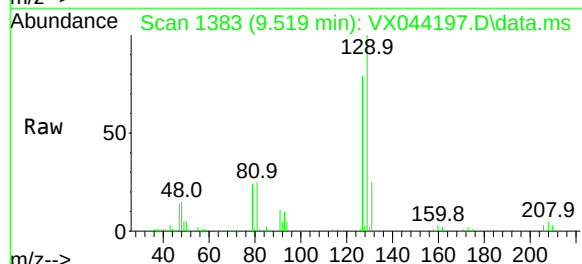
Manual Integrations
APPROVED

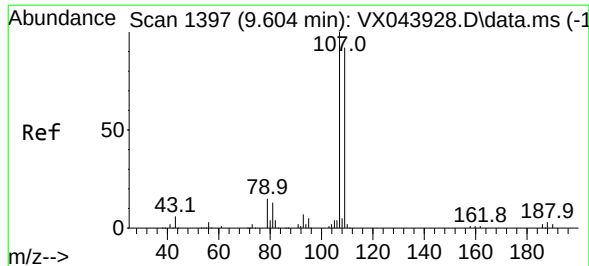
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#60
Dibromochloromethane
Concen: 58.369 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:129 Resp: 85107
Ion Ratio Lower Upper
129 100
127 77.7 38.2 114.6





#61

1,2-Dibromoethane

Concen: 58.300 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:107 Resp: 85669

Ion Ratio Lower Upper

107 100

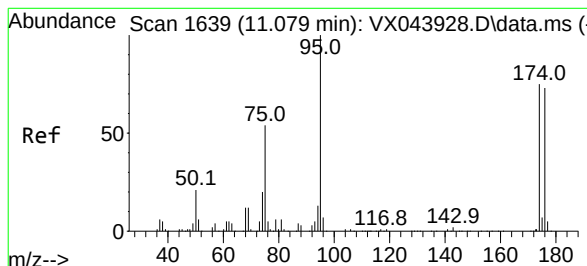
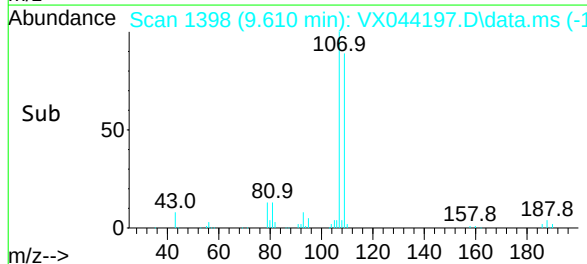
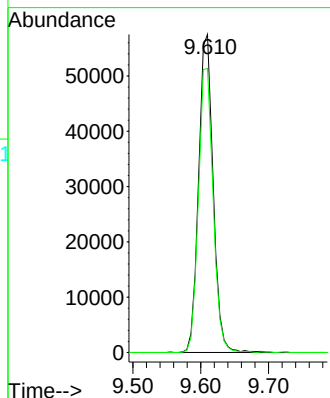
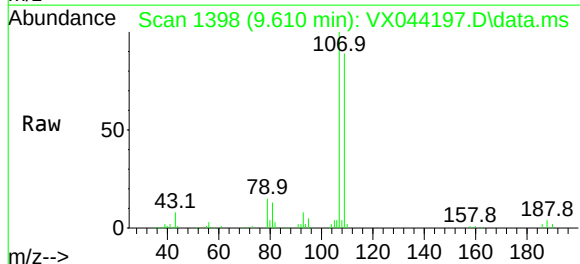
109 90.4 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#62

4-Bromofluorobenzene

Concen: 54.890 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

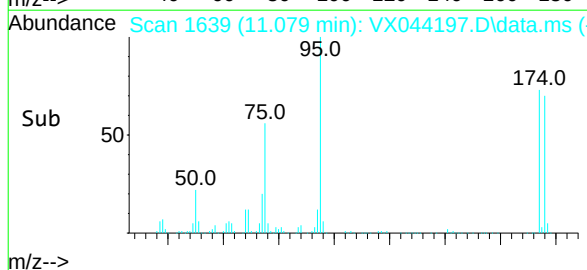
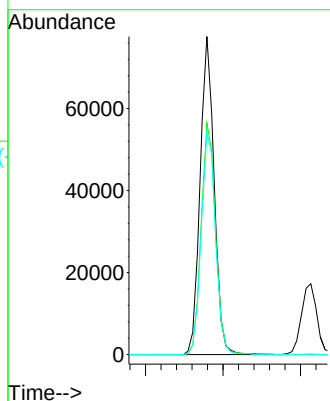
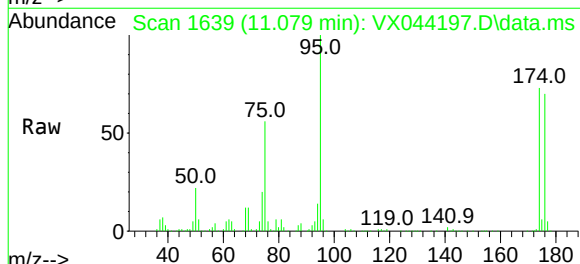
Tgt Ion: 95 Resp: 97578

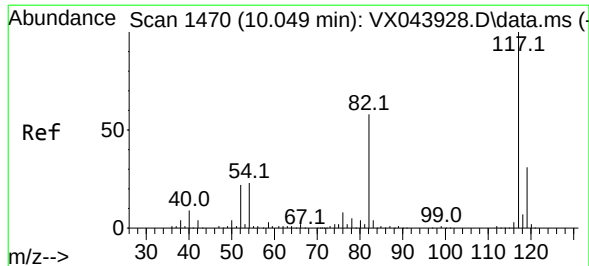
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.4

176 71.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

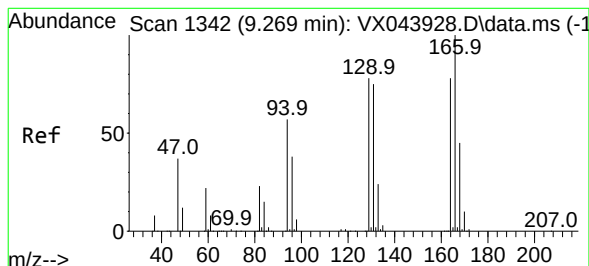
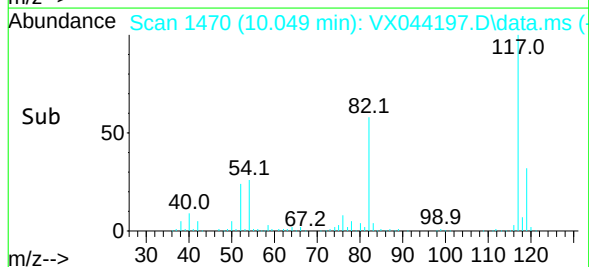
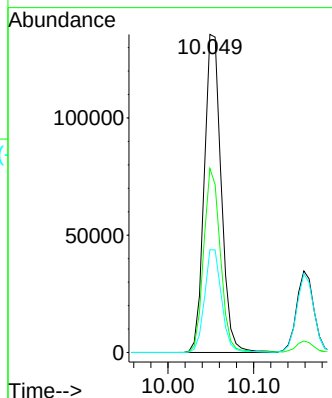
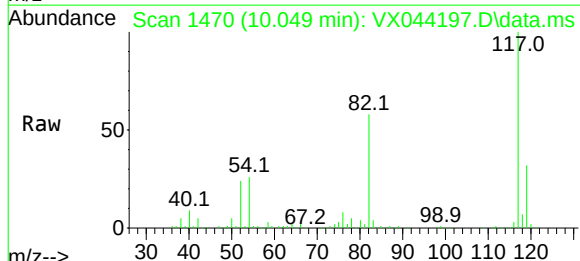
VSTDCCC050

Tgt Ion:	117	Resp:	187191
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	32.3	24.6	37.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#64

Tetrachloroethene

Concen: 51.016 ug/l

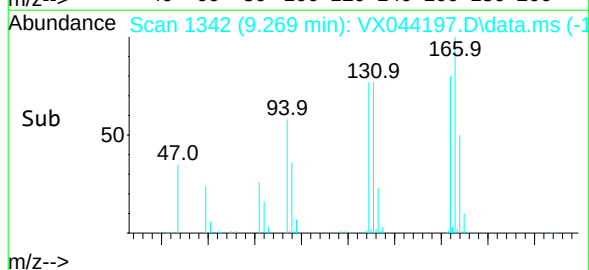
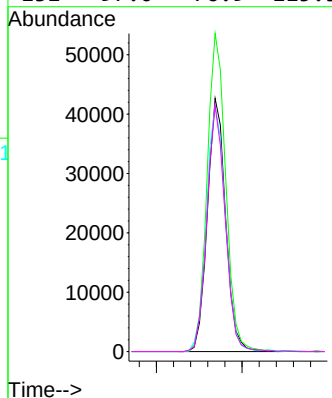
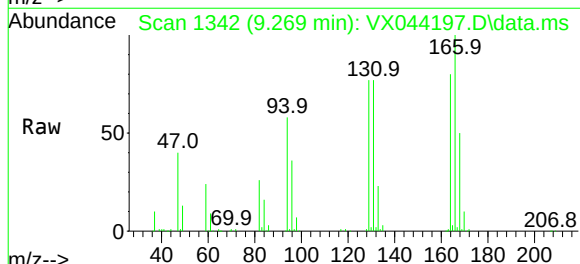
RT: 9.269 min Scan# 1342

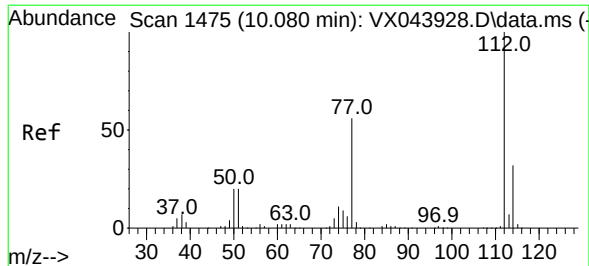
Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion:	164	Resp:	62970
Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.1	153.1
129	97.1	79.6	119.4
131	97.0	76.9	115.3





#65

Chlorobenzene

Concen: 52.077 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 214102

Ion Ratio Lower Upper

112 100

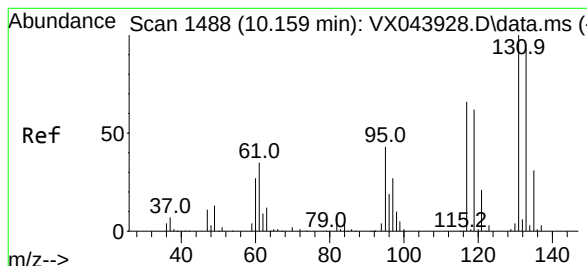
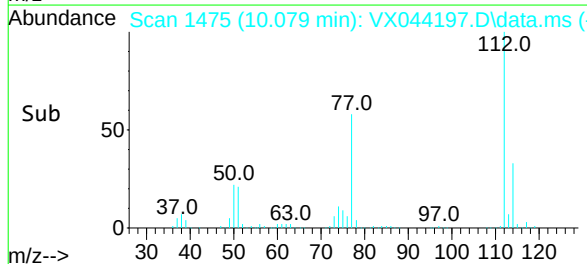
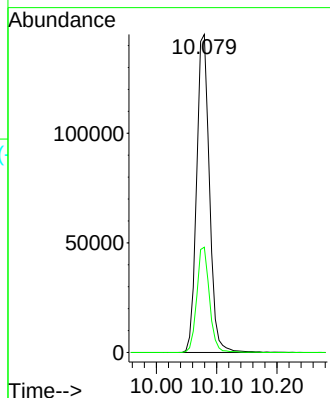
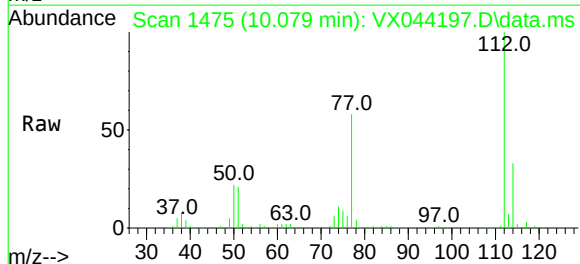
114 33.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 57.592 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

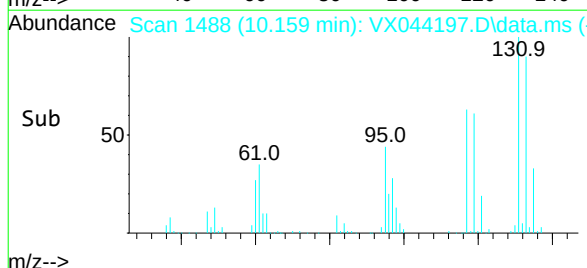
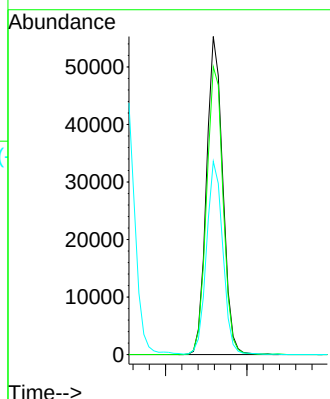
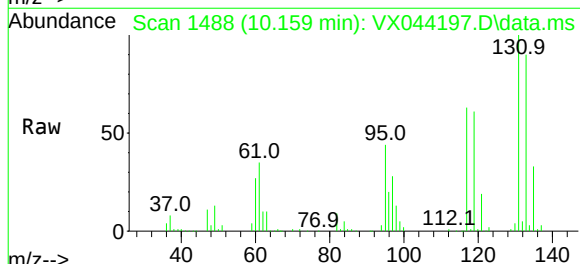
Tgt Ion:131 Resp: 76789

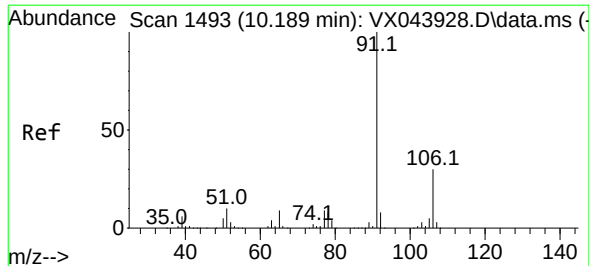
Ion Ratio Lower Upper

131 100

133 91.8 48.2 144.6

119 60.9 31.5 94.5





#67

Ethyl Benzene

Concen: 54.326 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 378463

Ion Ratio Lower Upper

91 100

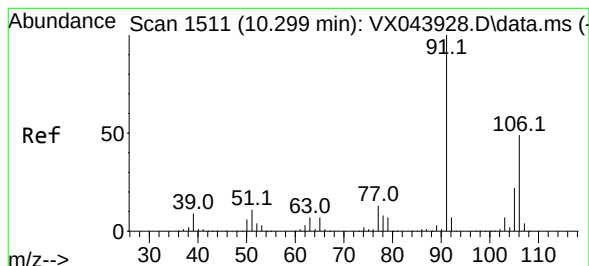
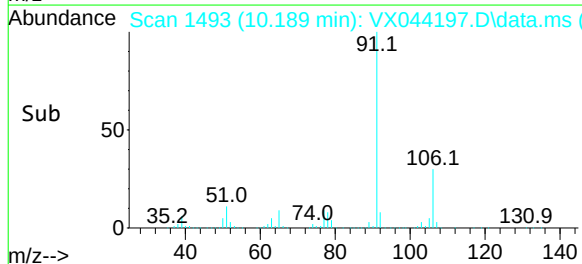
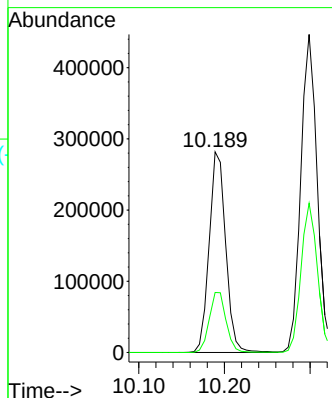
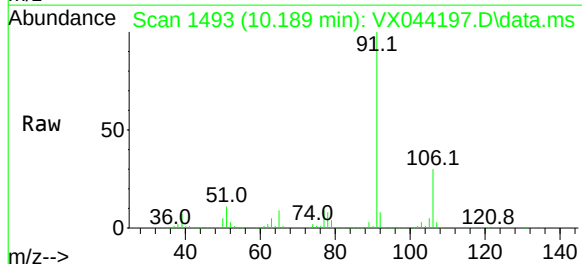
106 29.9 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#68

m/p-Xylenes

Concen: 108.164 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044197.D

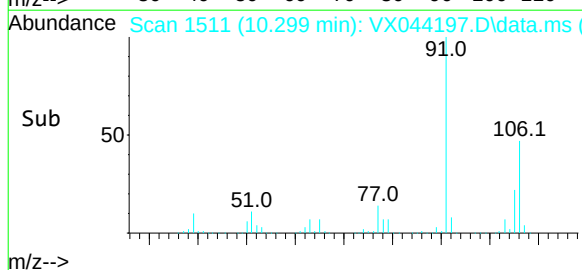
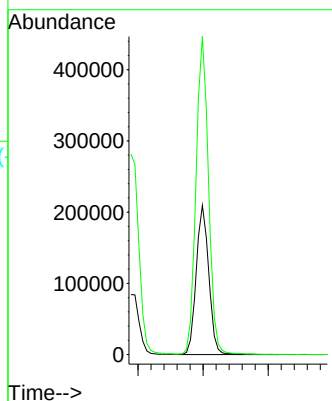
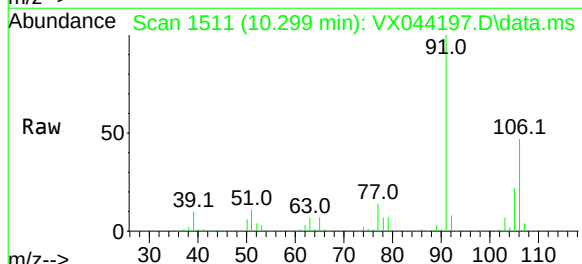
Acq: 10 Dec 2024 10:43

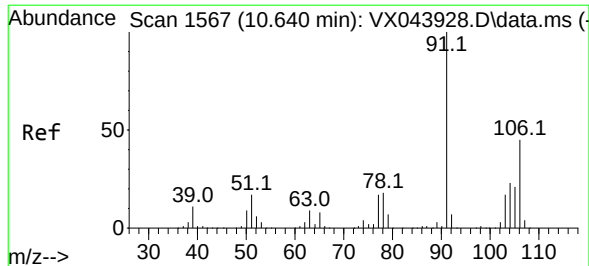
Tgt Ion:106 Resp: 281005

Ion Ratio Lower Upper

106 100

91 211.7 168.1 252.1





#69

o-Xylene

Concen: 55.165 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 139928

Ion Ratio Lower Upper

106 100

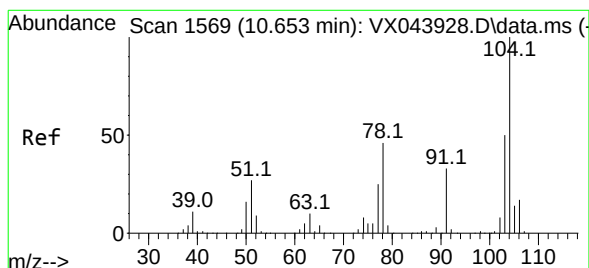
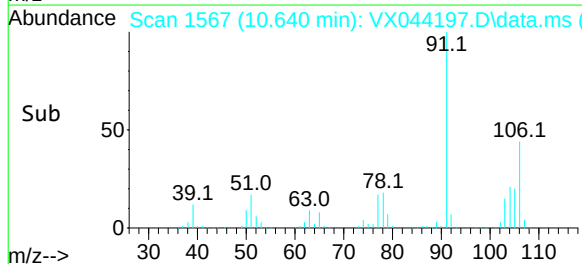
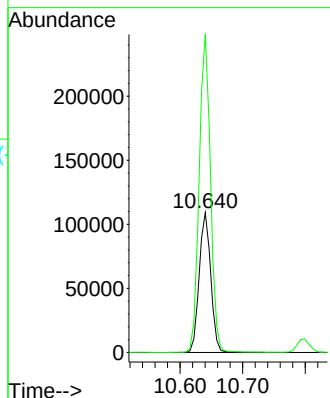
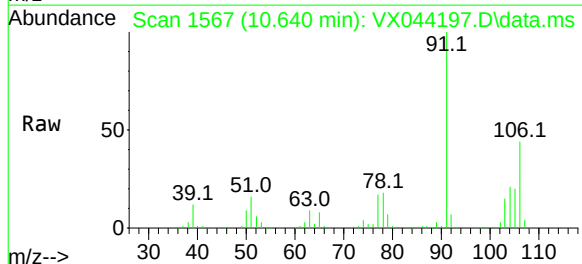
91 223.7 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#70

Styrene

Concen: 56.223 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

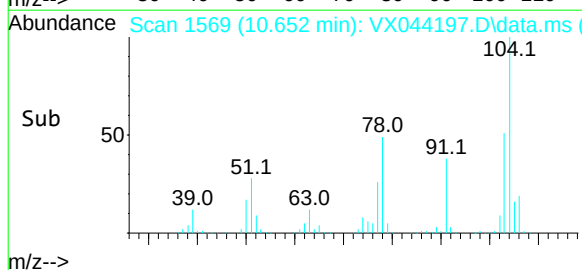
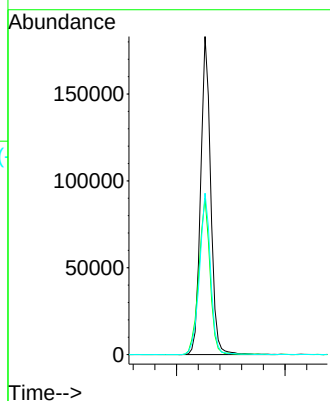
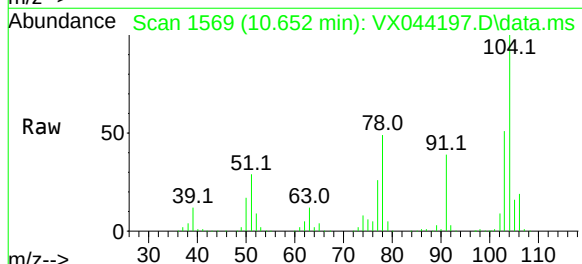
Tgt Ion:104 Resp: 235876

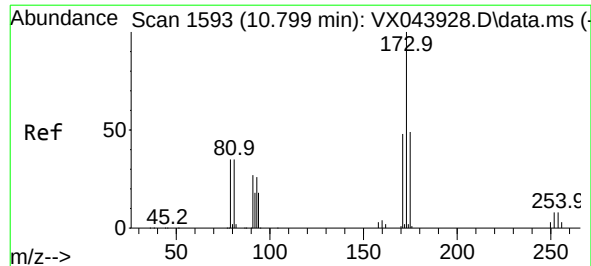
Ion Ratio Lower Upper

104 100

78 54.6 42.2 63.2

103 55.6 44.7 67.1





#71

Bromoform

Concen: 52.273 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

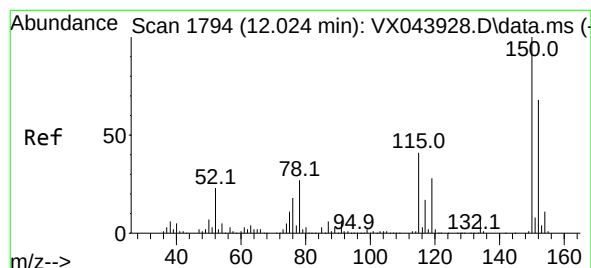
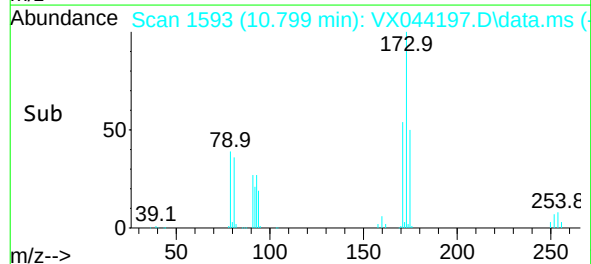
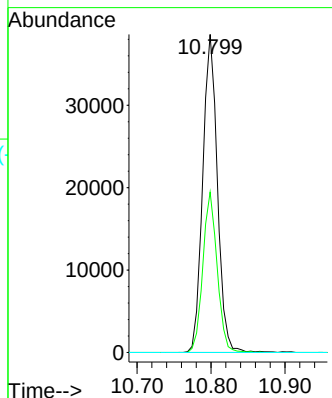
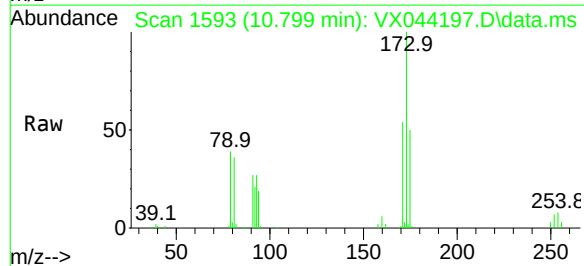
VSTDCCC050

Tgt	Ion:173	Resp:	53151
Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

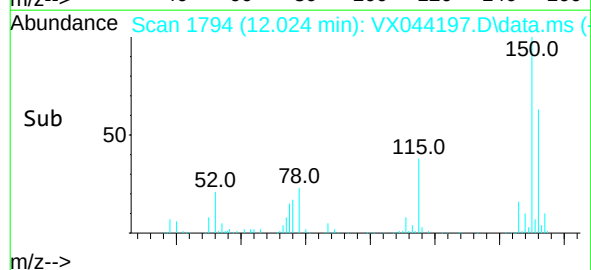
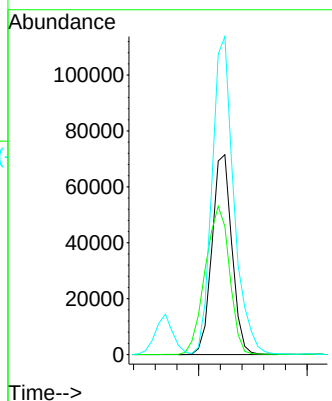
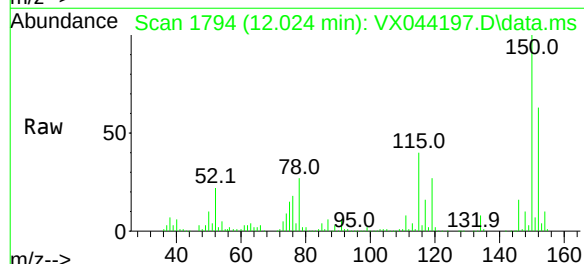
RT: 12.024 min Scan# 1794

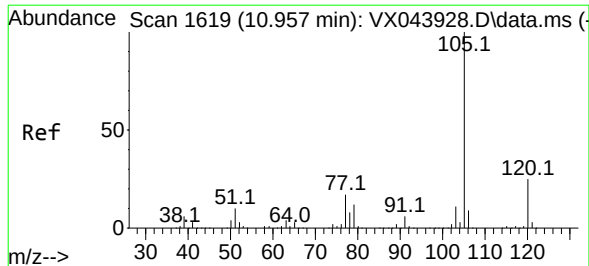
Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt	Ion:152	Resp:	91127
Ion	Ratio	Lower	Upper
152	100		
115	90.8	45.4	136.2
150	173.5	0.0	353.0





#73

Isopropylbenzene

Concen: 52.666 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

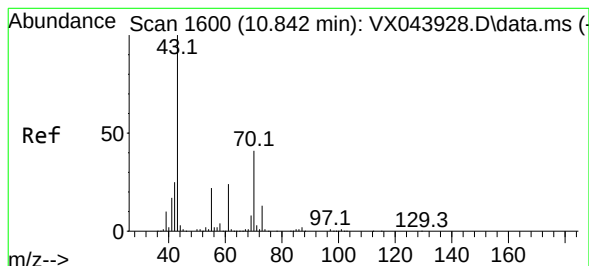
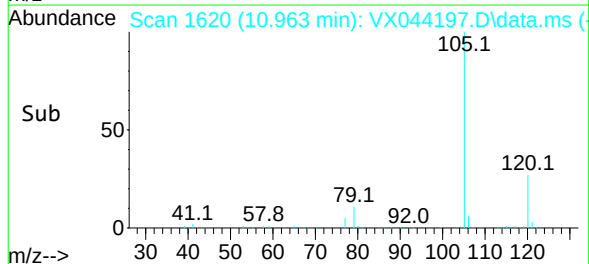
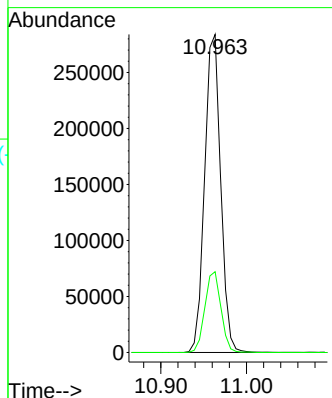
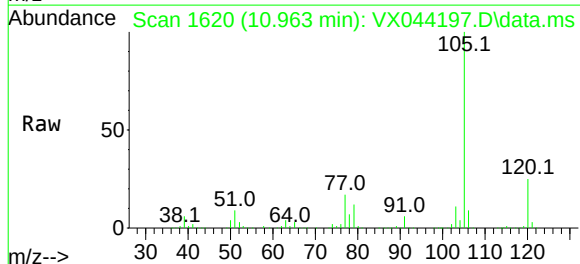
VSTDCCC050

Tgt Ion:	105	Resp:	368919
Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	38.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#74

N-ethyl acetate

Concen: 57.486 ug/l

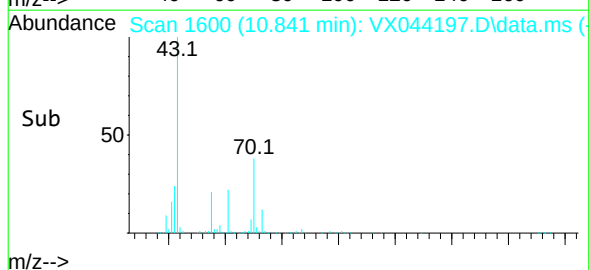
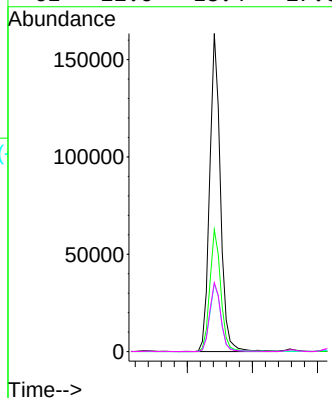
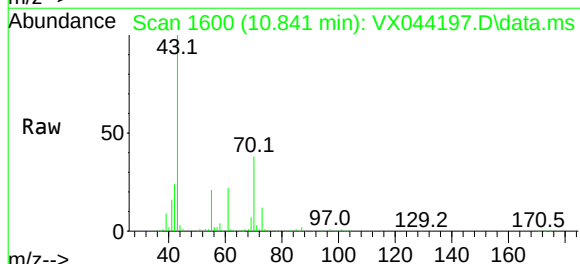
RT: 10.841 min Scan# 1600

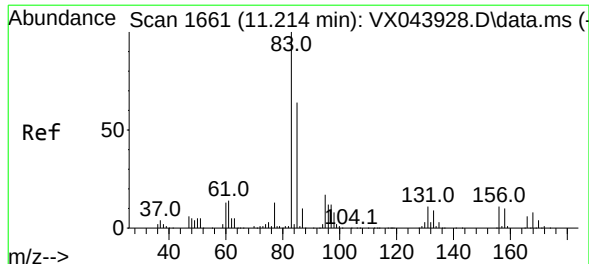
Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion:	43	Resp:	186542
Ion	Ratio	Lower	Upper
43	100		
70	39.3	32.2	48.2
55	22.3	18.1	27.1
61	22.6	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.025 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

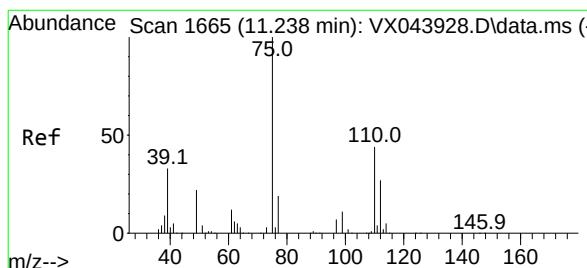
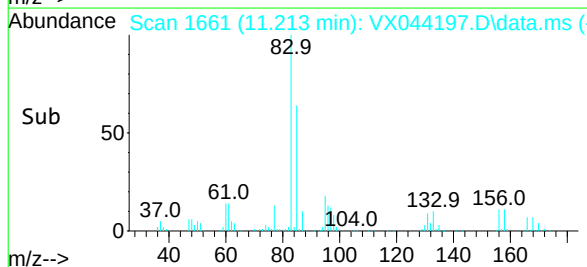
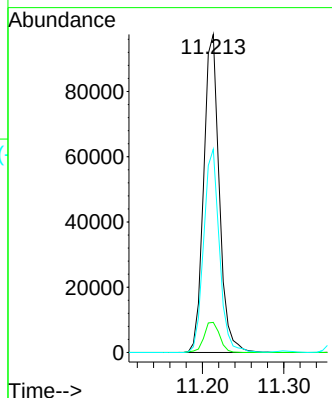
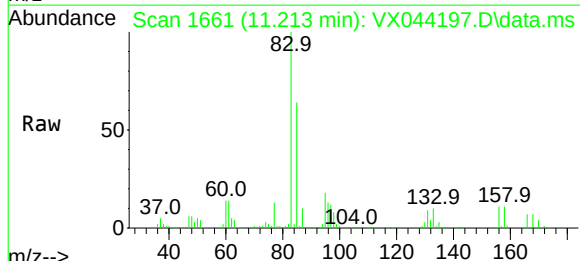
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	129580
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.1	15.2
85	64.6	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#76

1,2,3-Trichloropropane

Concen: 55.278 ug/l m

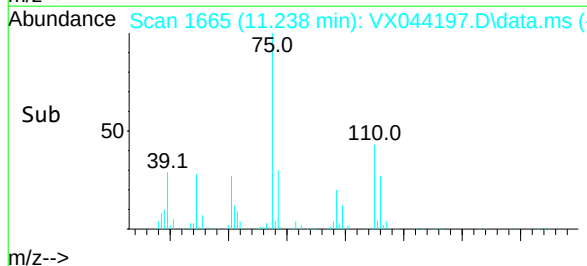
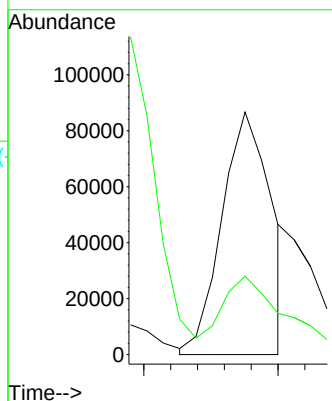
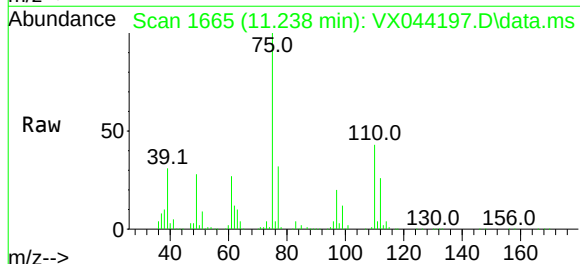
RT: 11.238 min Scan# 1665

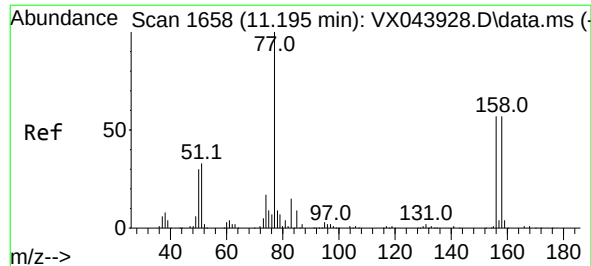
Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion:	75	Resp:	110467
Ion	Ratio	Lower	Upper
75	100		
77	42.6	21.8	65.3





#77

Bromobenzene

Concen: 52.056 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 86985

Ion Ratio Lower Upper

156 100

77 168.5 83.4 250.1

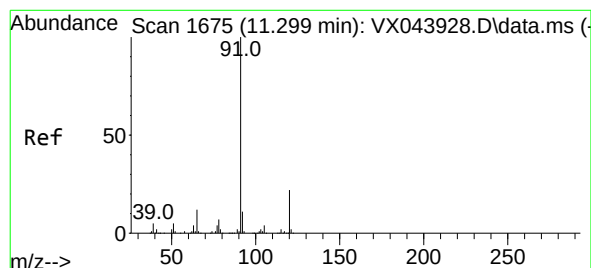
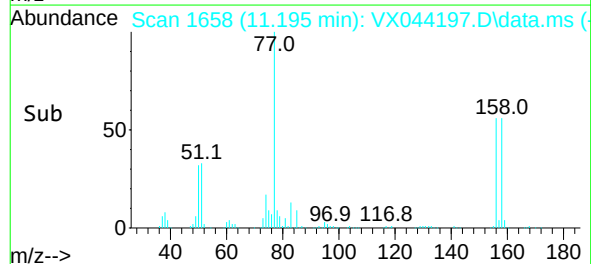
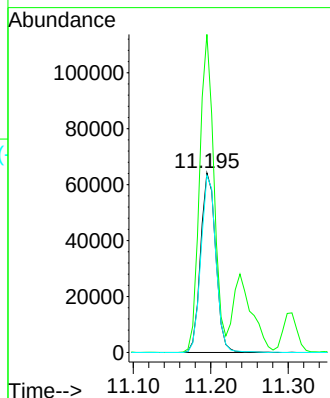
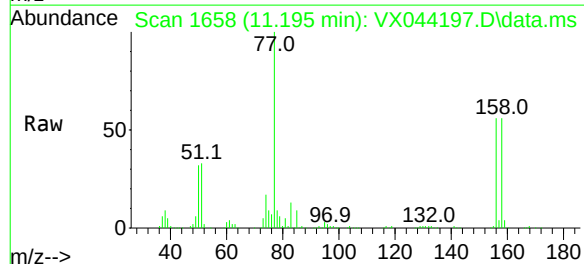
158 97.6 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#78

n-propylbenzene

Concen: 54.176 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044197.D

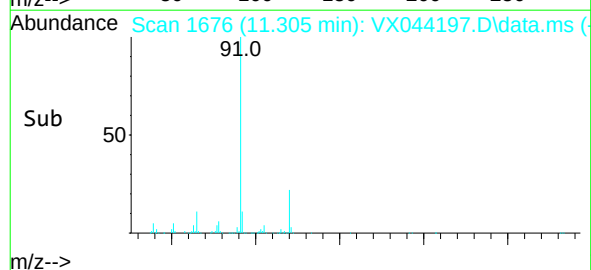
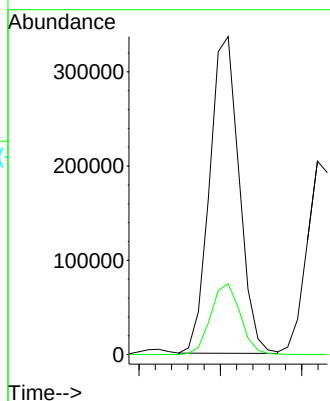
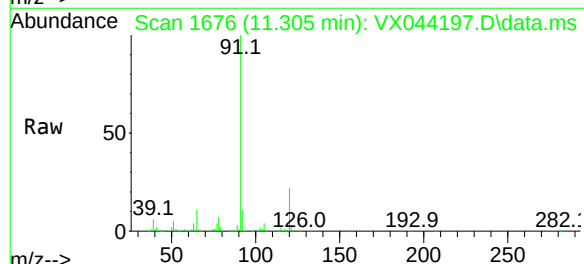
Acq: 10 Dec 2024 10:43

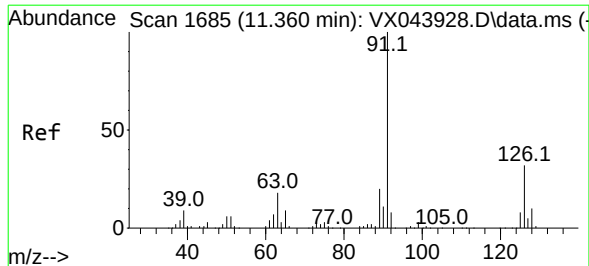
Tgt Ion: 91 Resp: 423839

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 52.453 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 259496

Ion Ratio Lower Upper

91 100

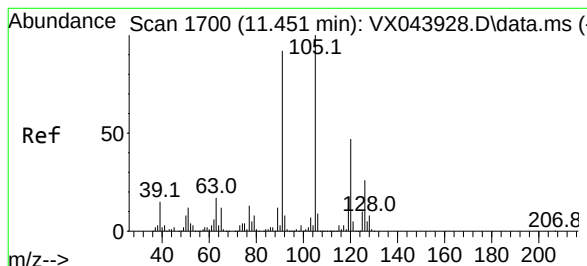
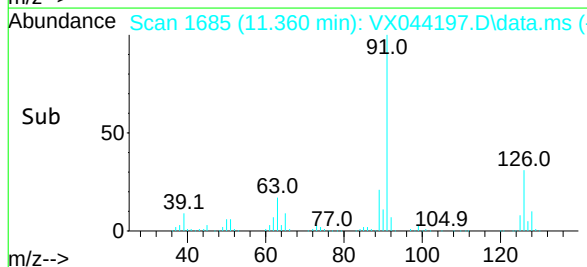
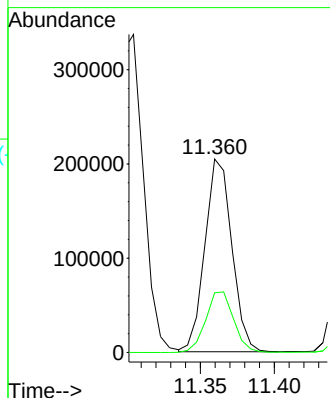
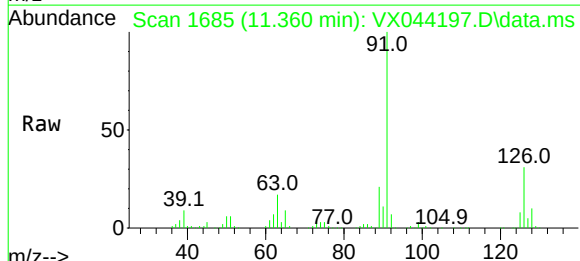
126 32.6 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#80

1,3,5-Trimethylbenzene

Concen: 53.818 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044197.D

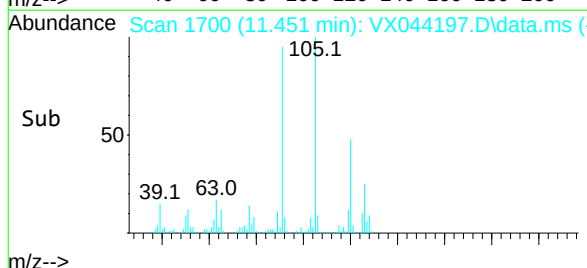
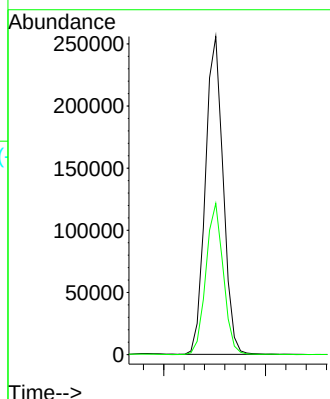
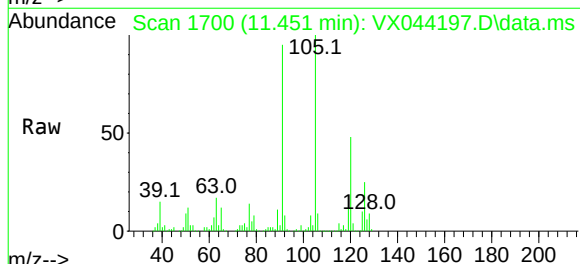
Acq: 10 Dec 2024 10:43

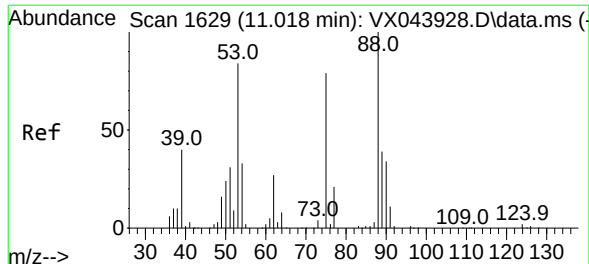
Tgt Ion:105 Resp: 310149

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.317 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX044197.D

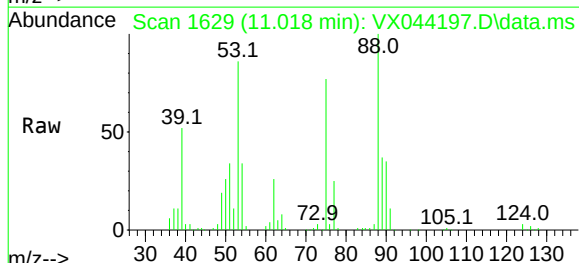
Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

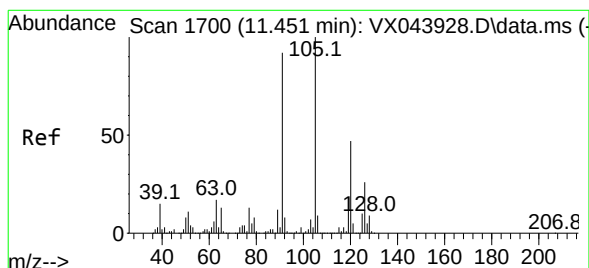
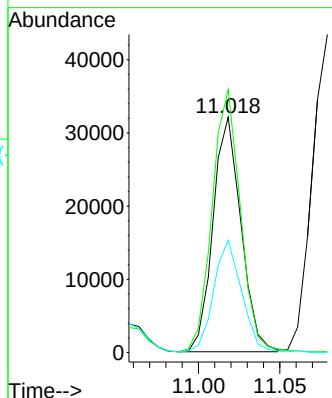
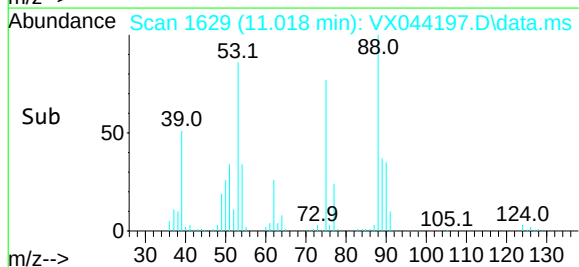


Tgt Ion:	75	Resp:	38314
Ion	Ratio	Lower	Upper
75	100		
53	113.2	86.7	130.1
89	48.3	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#82

4-Chlorotoluene

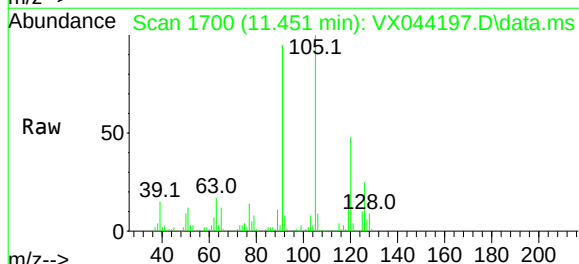
Concen: 54.037 ug/l

RT: 11.451 min Scan# 1700

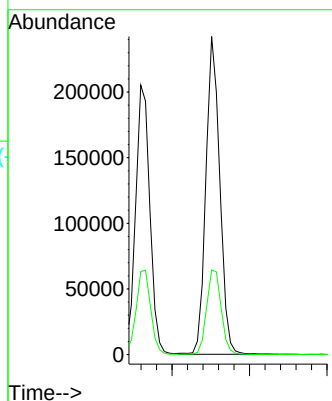
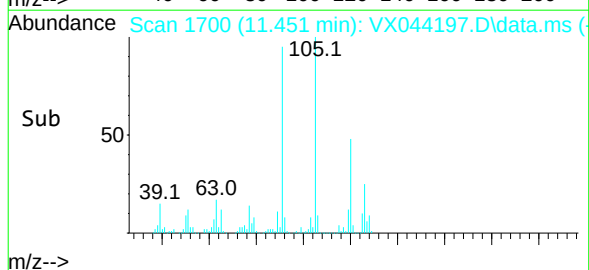
Delta R.T. -0.000 min

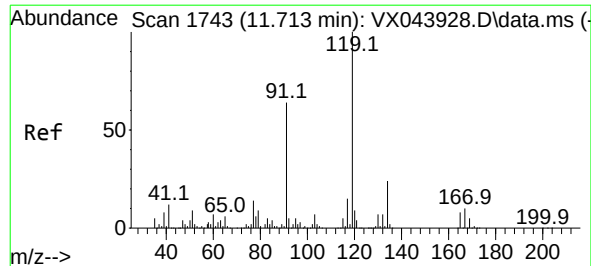
Lab File: VX044197.D

Acq: 10 Dec 2024 10:43



Tgt Ion:	91	Resp:	301801
Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.3	42.9





#83

tert-Butylbenzene

Concen: 55.384 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 316356

Ion Ratio Lower Upper

119 100

91 61.2 31.0 93.0

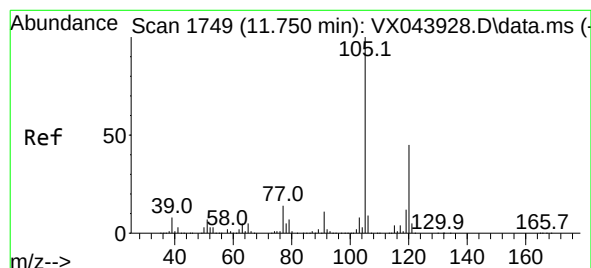
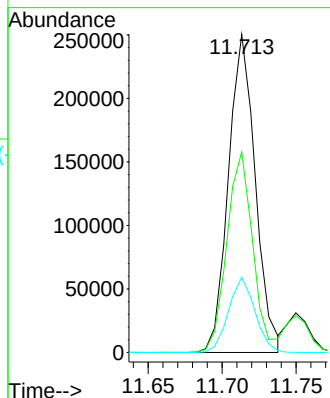
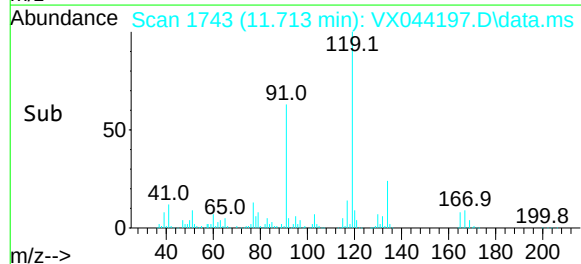
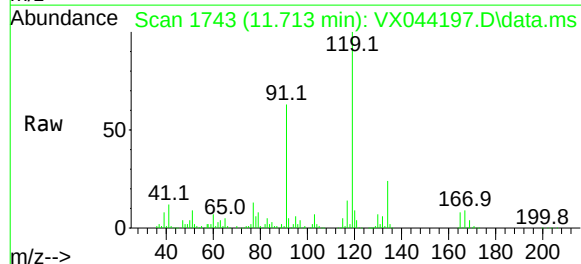
134 23.2 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#84

1,2,4-Trimethylbenzene

Concen: 54.591 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044197.D

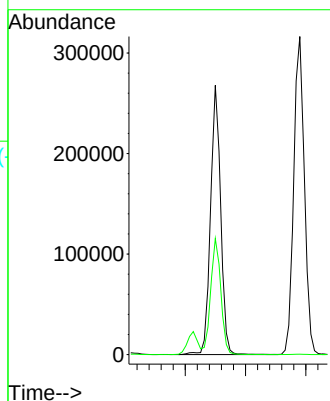
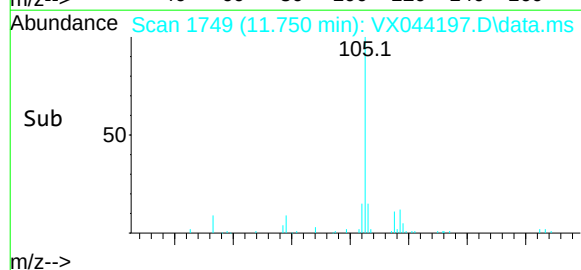
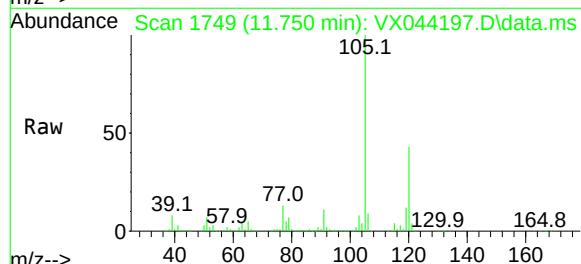
Acq: 10 Dec 2024 10:43

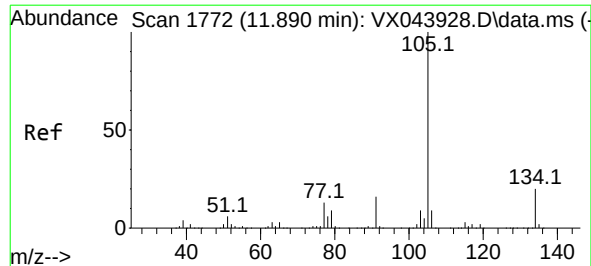
Tgt Ion:105 Resp: 313218

Ion Ratio Lower Upper

105 100

120 43.1 21.9 65.7





#85

sec-Butylbenzene

Concen: 55.564 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 388872

Ion Ratio Lower Upper

105 100

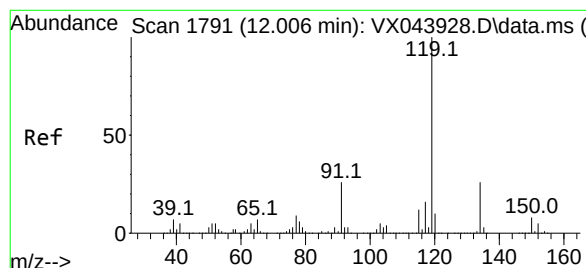
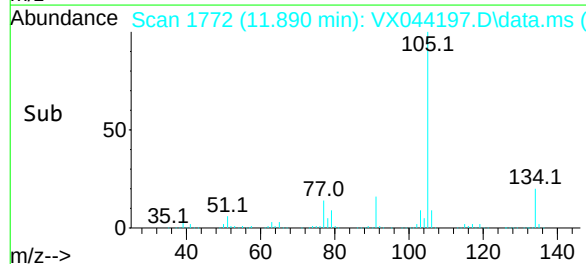
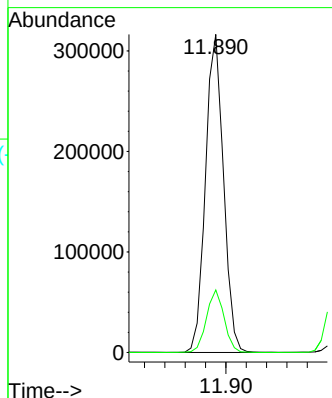
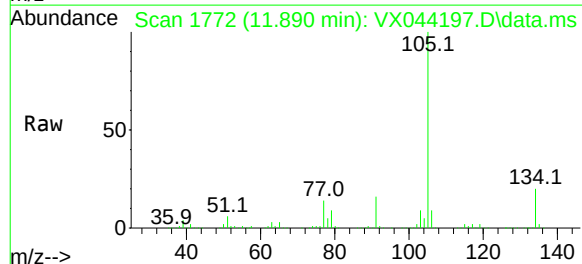
134 19.3 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#86

p-Isopropyltoluene

Concen: 57.182 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

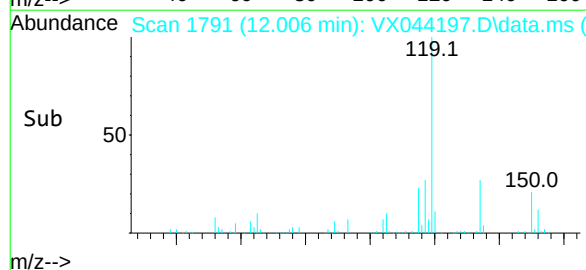
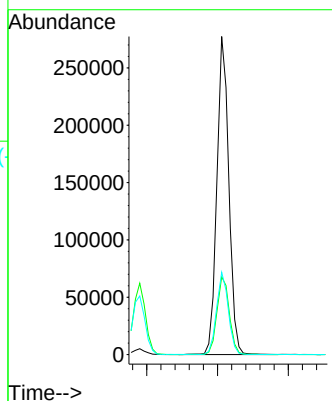
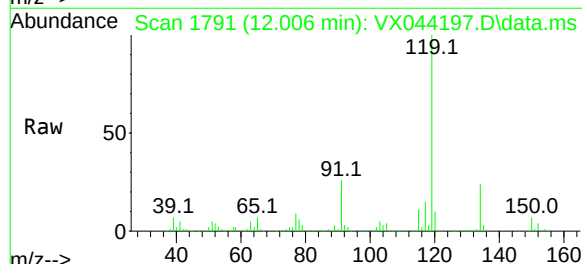
Tgt Ion:119 Resp: 325073

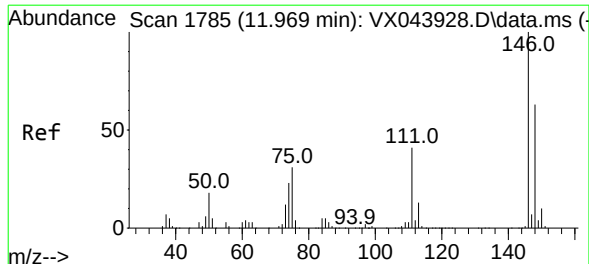
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 25.5 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 52.521 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion:146 Resp: 159843

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.3

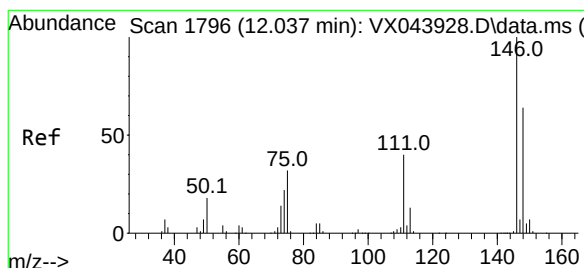
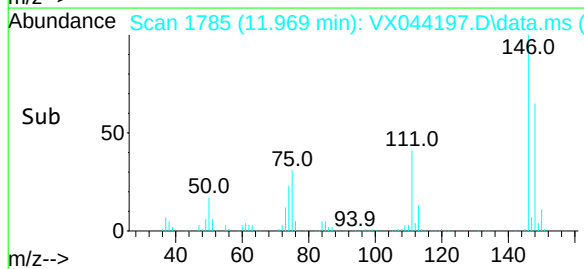
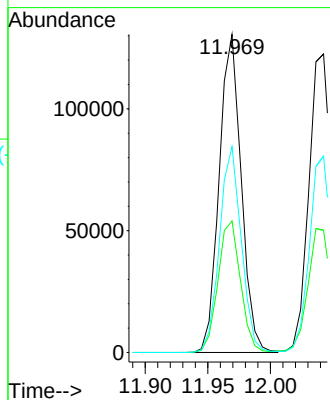
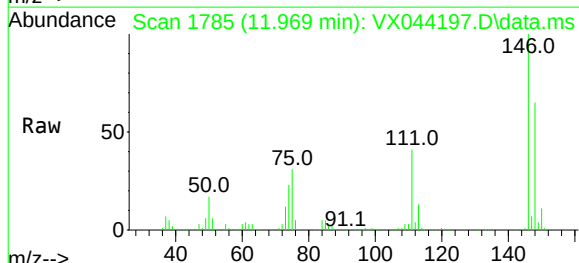
148 64.0 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#88

1,4-Dichlorobenzene

Concen: 51.665 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

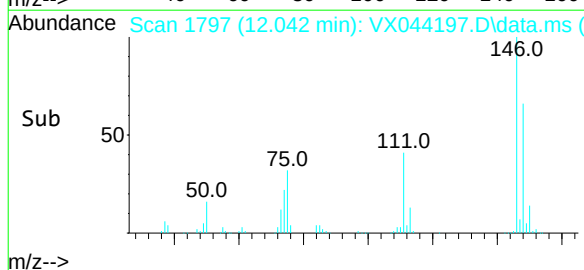
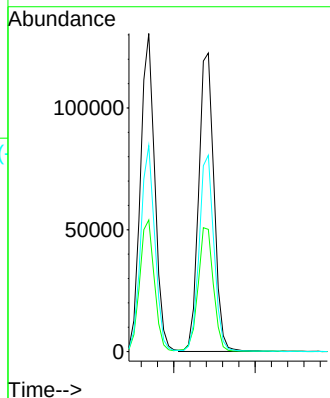
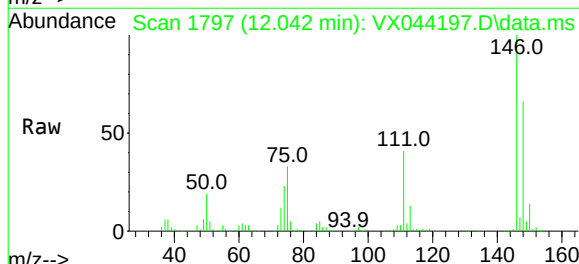
Tgt Ion:146 Resp: 160310

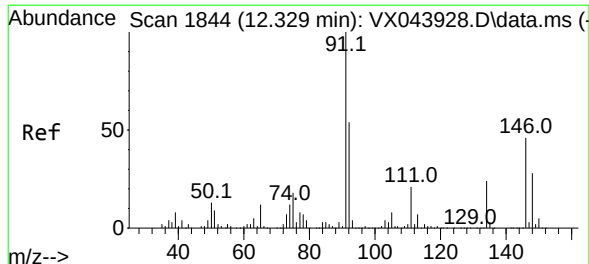
Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

148 64.1 30.9 92.8





#89

n-Butylbenzene

Concen: 56.576 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 283567

Ion Ratio Lower Upper

91 100

92 52.5 26.6 79.8

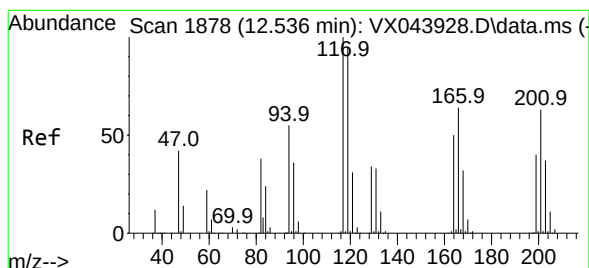
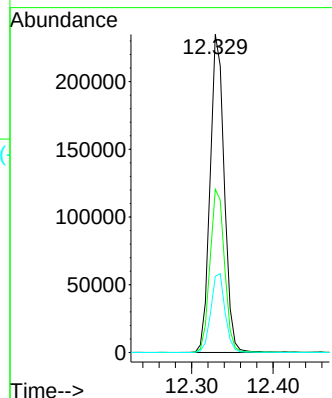
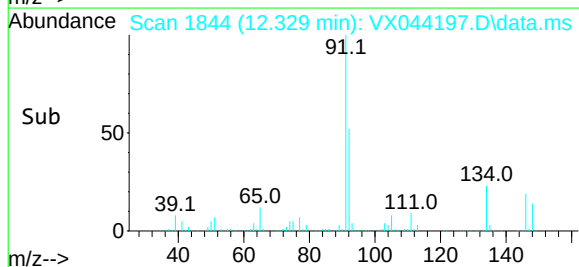
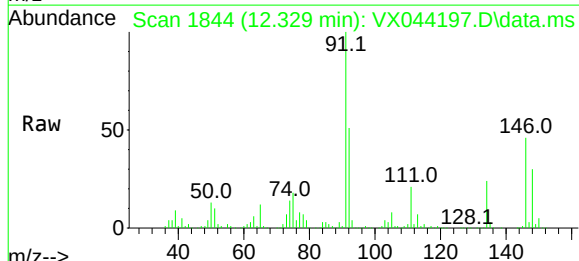
134 25.0 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#90

Hexachloroethane

Concen: 52.654 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044197.D

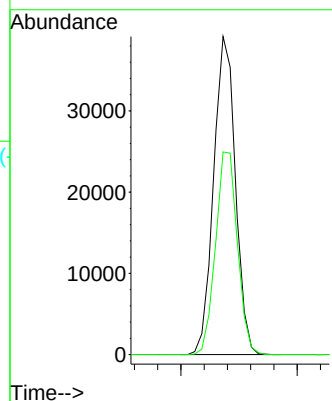
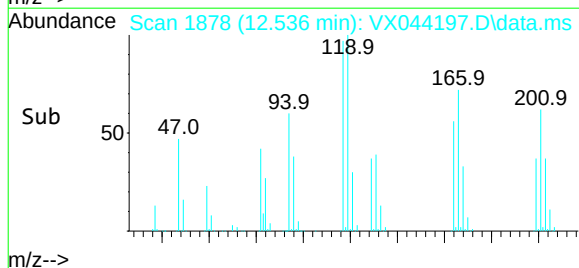
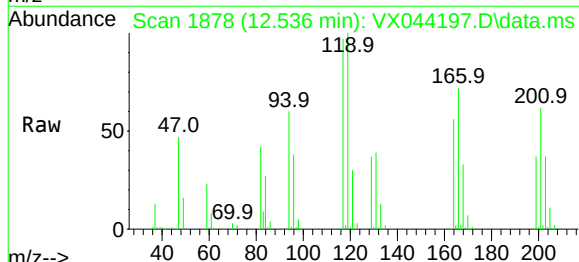
Acq: 10 Dec 2024 10:43

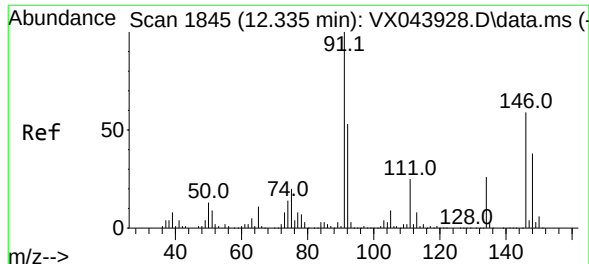
Tgt Ion:117 Resp: 50899

Ion Ratio Lower Upper

117 100

201 64.1 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 53.506 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044197.D

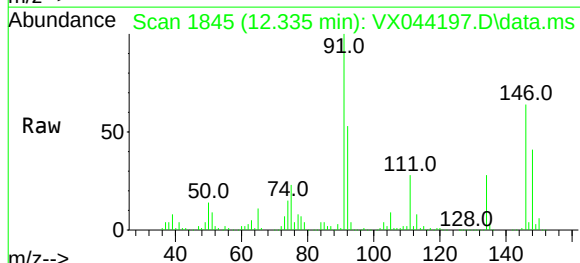
Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 146 Resp: 164337

Ion Ratio Lower Upper

146 100

111 44.3 21.5 64.5

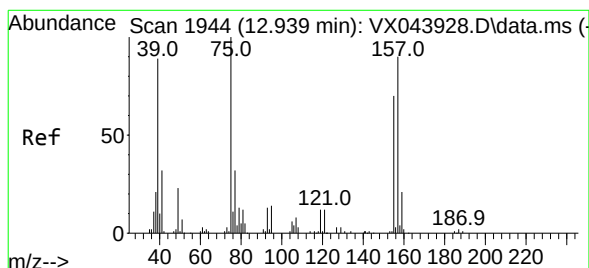
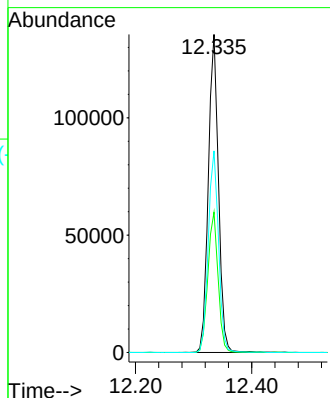
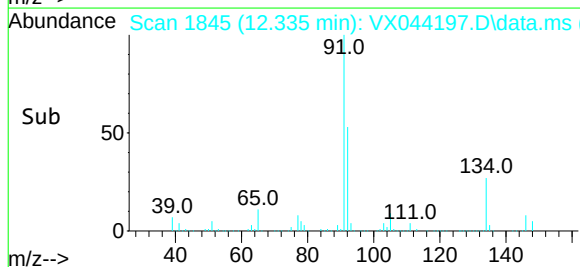
148 63.9 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#92

1,2-Dibromo-3-Chloropropane

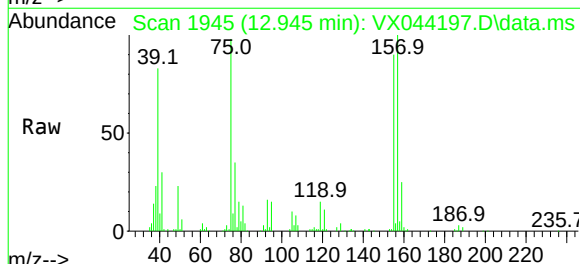
Concen: 57.434 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43



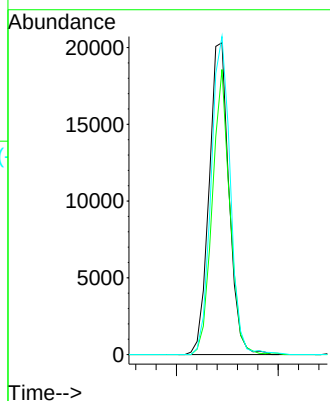
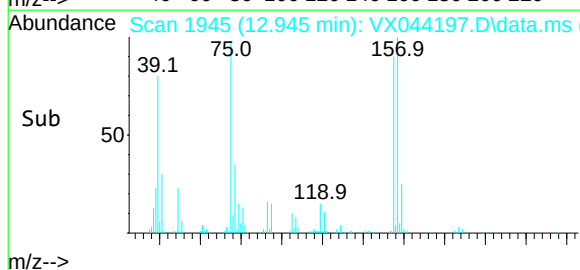
Tgt Ion: 75 Resp: 27603

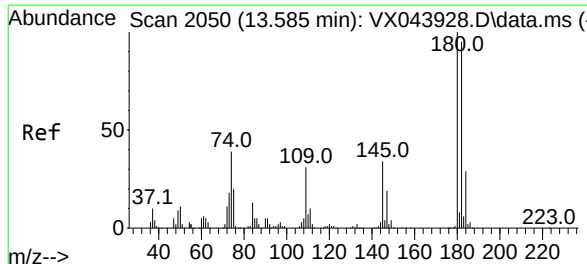
Ion Ratio Lower Upper

75 100

155 80.2 40.1 120.2

157 97.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 53.404 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

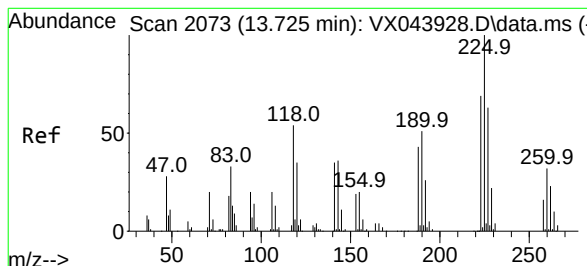
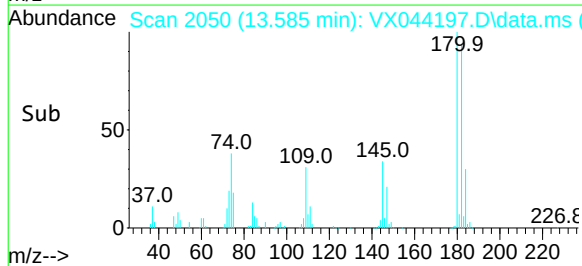
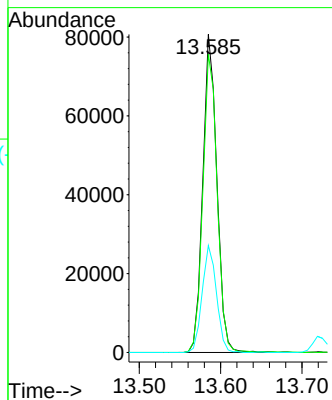
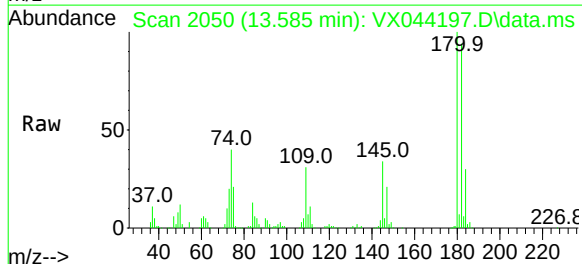
ClientSampleId :

VSTDCCC050

Tgt Ion:	180	Resp:	96701
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.2
145	34.3	16.8	50.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#94

Hexachlorobutadiene

Concen: 54.716 ug/l

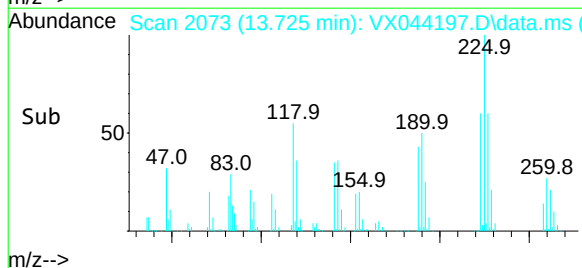
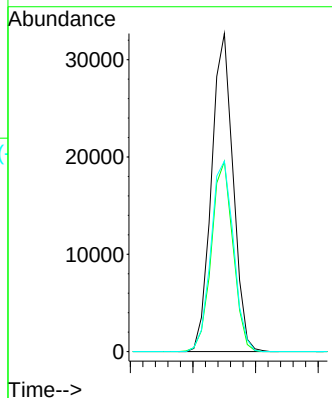
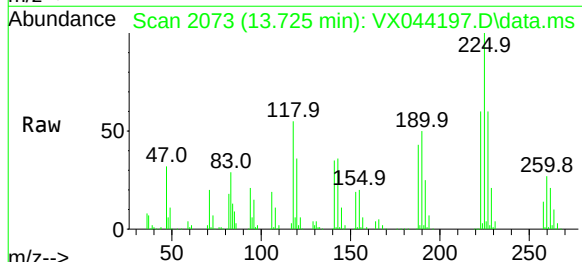
RT: 13.725 min Scan# 2073

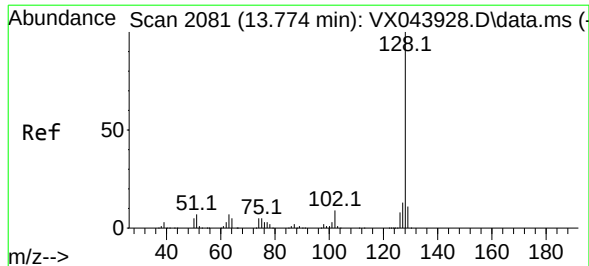
Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Tgt Ion:	225	Resp:	39157
Ion Ratio	Lower	Upper	
225	100		
223	59.9	32.9	98.6
227	63.1	31.6	94.8





#95

Naphthalene

Concen: 58.572 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 381783

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

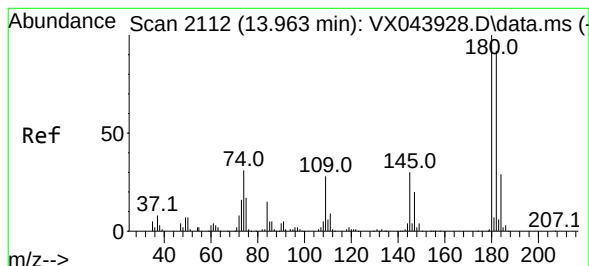
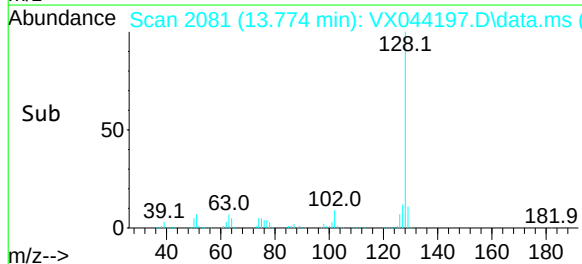
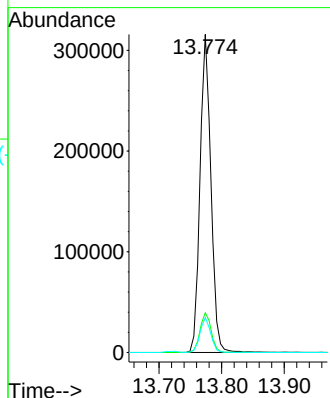
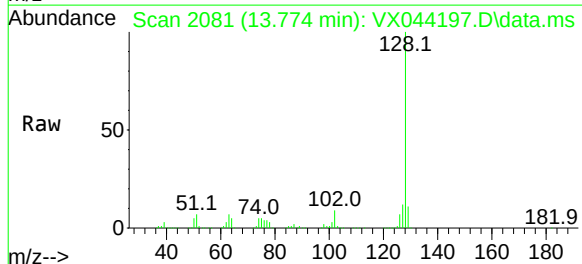
129 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#96

1,2,3-Trichlorobenzene

Concen: 55.461 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

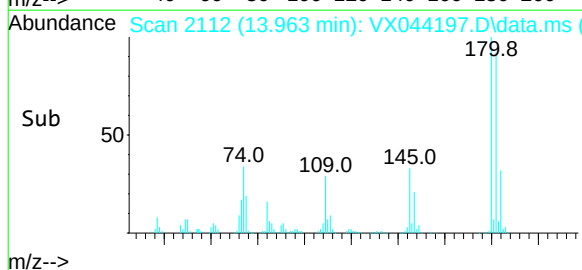
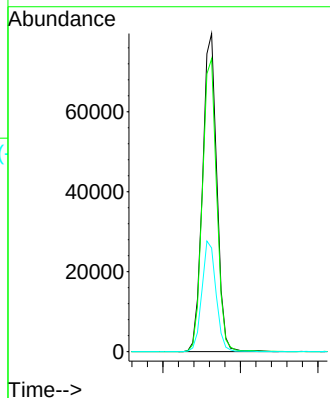
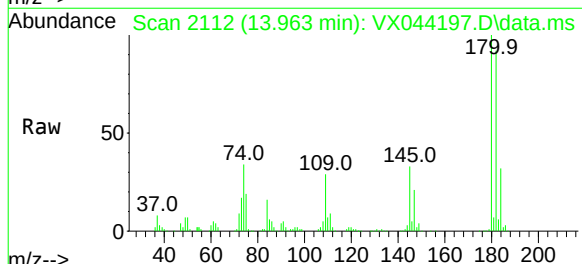
Tgt Ion:180 Resp: 101647

Ion Ratio Lower Upper

180 100

182 92.5 45.6 136.8

145 34.5 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.633	0.527	16.7	67	0.00
3 P	Chloromethane	0.667	0.569	14.7	71	0.00
4 C	Vinyl Chloride	0.709	0.628	11.4#	72	0.00
5 T	Bromomethane	0.436	0.455	-4.4	89	0.00
6 T	Chloroethane	0.432	0.424	1.9	81	0.00
7 T	Trichlorofluoromethane	1.268	1.418	-11.8	91	0.00
8 T	Diethyl Ether	0.462	0.467	-1.1	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.606	-0.2	80	0.00
10 T	Methyl Iodide	0.755	0.747	1.1	81	0.00
11 T	Tert butyl alcohol	0.138	0.139	-0.7	84	0.00
12 CM	1,1-Dichloroethene	0.576	0.529	8.2#	77	0.00
13 T	Acrolein	0.145	0.168	-15.9	101	0.00
14 T	Allyl chloride	0.941	0.950	-1.0	80	0.00
15 T	Acrylonitrile	0.335	0.375	-11.9	89	0.00
16 T	Acetone	0.394	0.458	-16.2	94	0.00
17 T	Carbon Disulfide	1.188	0.962	19.0	65	0.00
18 T	Methyl Acetate	0.917	1.022	-11.5	90	0.00
19 T	Methyl tert-butyl Ether	2.092	2.233	-6.7	86	0.00
20 T	Methylene Chloride	0.668	0.637	4.6	83	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.573	3.7	79	0.00
22 T	Diisopropyl ether	2.013	2.135	-6.1	86	0.00
23 T	Vinyl Acetate	1.722	1.882	-9.3	85	0.00
24 P	1,1-Dichloroethane	1.161	1.178	-1.5	82	0.00
25 T	2-Butanone	0.508	0.601	-18.3	93	0.00
26 T	2,2-Dichloropropane	1.049	1.095	-4.4	84	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.749	-1.9	83	0.00
28 T	Bromochloromethane	0.511	0.489	4.3	95	0.00
29 T	Tetrahydrofuran	0.312	0.345	-10.6	89	0.00
30 C	Chloroform	1.249	1.296	-3.8#	86	0.00
31 T	Cyclohexane	0.956	0.924	3.3	78	0.00
32 T	1,1,1-Trichloroethane	1.077	1.143	-6.1	84	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.878	-2.3	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35 S	Dibromofluoromethane	0.357	0.374	-4.8	100	0.00
36 T	1,1-Dichloropropene	0.445	0.458	-2.9	82	0.00
37 T	Ethyl Acetate	0.553	0.636	-15.0	91	0.00
38 T	Carbon Tetrachloride	0.500	0.529	-5.8	83	0.00
39 T	Methylcyclohexane	0.578	0.582	-0.7	78	0.00
40 TM	Benzene	1.387	1.399	-0.9	82	0.00
41 T	Methacrylonitrile	0.283	0.323	-14.1	86	0.00
42 TM	1,2-Dichloroethane	0.557	0.598	-7.4	87	0.00
43 T	Isopropyl Acetate	0.880	1.001	-13.7	90	0.00
44 TM	Trichloroethene	0.393	0.358	8.9	84	0.00
45 C	1,2-Dichloropropane	0.340	0.365	-7.4#	86	0.00
46 T	Dibromomethane	0.269	0.294	-9.3	88	0.00
47 T	Bromodichloromethane	0.482	0.545	-13.1	88	0.00
48 T	Methyl methacrylate	0.422	0.467	-10.7	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.007	12.5	72	0.00
50 S	Toluene-d8	1.232	1.265	-2.7	101	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.657	-22.3	95	0.00
52 CM	Toluene	0.830	0.892	-7.5#	85	0.00
53 T	t-1,3-Dichloropropene	0.491	0.566	-15.3	87	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.591	-9.6	85	0.00
55 T	1,1,2-Trichloroethane	0.343	0.382	-11.4	90	0.00
56 T	Ethyl methacrylate	0.534	0.635	-18.9	91	0.00
57 T	1,3-Dichloropropane	0.577	0.639	-10.7	90	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.296	-8.4	85	0.00
59 T	2-Hexanone	0.403	0.515	-27.8#	96	0.00
60 T	Dibromochloromethane	0.344	0.401	-16.6	89	0.00
61 T	1,2-Dibromoethane	0.346	0.404	-16.8	92	0.00
62 S	4-Bromofluorobenzene	0.419	0.460	-9.8	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64 T	Tetrachloroethene	0.330	0.336	-1.8	85	0.00
65 PM	Chlorobenzene	1.098	1.144	-4.2	88	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.410	-15.2	91	0.00
67 C	Ethyl Benzene	1.861	2.022	-8.7#	88	0.00
68 T	m/p-Xylenes	0.694	0.751	-8.2	87	0.00
69 T	o-Xylene	0.678	0.748	-10.3	87	0.00
70 T	Styrene	1.121	1.260	-12.4	88	0.00
71 P	Bromoform	0.240	0.284	-18.3	88	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.843	4.048	-5.3	90	0.00
74 T	N-amyl acetate	1.780	2.047	-15.0	93	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.422	-8.1	93	0.00
76 T	1,2,3-Trichloropropane	1.096	1.212	-10.6	93	0.00
77 T	Bromobenzene	0.917	0.955	-4.1	89	0.00
78 T	n-propylbenzene	4.293	4.651	-8.3	89	0.00
79 T	2-Chlorotoluene	2.714	2.848	-4.9	91	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.403	-7.6	90	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.420	-4.5	86	0.00
82 T	4-Chlorotoluene	3.064	3.312	-8.1	90	0.00
83 T	tert-Butylbenzene	3.134	3.472	-10.8	92	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.437	-9.2	91	0.00
85 T	sec-Butylbenzene	3.840	4.267	-11.1	91	0.00
86 T	p-Isopropyltoluene	3.119	3.567	-14.4	92	0.00
87 T	1,3-Dichlorobenzene	1.670	1.754	-5.0	90	0.00
88 T	1,4-Dichlorobenzene	1.702	1.759	-3.3	90	0.00
89 T	n-Butylbenzene	2.750	3.112	-13.2	89	0.00
90 T	Hexachloroethane	0.530	0.559	-5.5	86	0.00
91 T	1,2-Dichlorobenzene	1.685	1.803	-7.0	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.303	-14.8	97	0.00
93 T	1,2,4-Trichlorobenzene	0.994	1.061	-6.7	89	0.00
94 T	Hexachlorobutadiene	0.393	0.430	-9.4	95	0.00
95 T	Naphthalene	3.576	4.190	-17.2	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	1.115	-10.8	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	41.618	16.8	67	0.00
3 P	Chloromethane	50.000	42.716	14.6	71	0.00
4 C	Vinyl Chloride	50.000	44.323	11.4#	72	0.00
5 T	Bromomethane	50.000	52.201	-4.4	89	0.00
6 T	Chloroethane	50.000	49.095	1.8	81	0.00
7 T	Trichlorofluoromethane	50.000	55.927	-11.9	91	0.00
8 T	Diethyl Ether	50.000	50.549	-1.1	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.083	-0.2	80	0.00
10 T	Methyl Iodide	50.000	49.465	1.1	81	0.00
11 T	Tert butyl alcohol	250.000	251.566	-0.6	84	0.00
12 CM	1,1-Dichloroethene	50.000	45.885	8.2#	77	0.00
13 T	Acrolein	250.000	289.842	-15.9	101	0.00
14 T	Allyl chloride	50.000	50.451	-0.9	80	0.00
15 T	Acrylonitrile	250.000	279.648	-11.9	89	0.00
16 T	Acetone	250.000	290.702	-16.3	94	0.00
17 T	Carbon Disulfide	50.000	40.453	19.1	65	0.00
18 T	Methyl Acetate	50.000	55.695	-11.4	90	0.00
19 T	Methyl tert-butyl Ether	50.000	53.378	-6.8	86	0.00
20 T	Methylene Chloride	50.000	47.664	4.7	83	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.196	3.6	79	0.00
22 T	Diisopropyl ether	50.000	53.030	-6.1	86	0.00
23 T	Vinyl Acetate	250.000	273.194	-9.3	85	0.00
24 P	1,1-Dichloroethane	50.000	50.716	-1.4	82	0.00
25 T	2-Butanone	250.000	295.530	-18.2	93	0.00
26 T	2,2-Dichloropropane	50.000	52.181	-4.4	84	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.935	-1.9	83	0.00
28 T	Bromochloromethane	50.000	47.802	4.4	95	0.00
29 T	Tetrahydrofuran	250.000	277.191	-10.9	89	0.00
30 C	Chloroform	50.000	51.884	-3.8#	86	0.00
31 T	Cyclohexane	50.000	48.357	3.3	78	0.00
32 T	1,1,1-Trichloroethane	50.000	53.075	-6.2	84	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.166	-2.3	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35 S	Dibromofluoromethane	50.000	52.308	-4.6	100	0.00
36 T	1,1-Dichloropropene	50.000	51.492	-3.0	82	0.00
37 T	Ethyl Acetate	50.000	57.521	-15.0	91	0.00
38 T	Carbon Tetrachloride	50.000	52.842	-5.7	83	0.00
39 T	Methylcyclohexane	50.000	50.287	-0.6	78	0.00
40 TM	Benzene	50.000	50.434	-0.9	82	0.00
41 T	Methacrylonitrile	50.000	57.147	-14.3	86	0.00
42 TM	1,2-Dichloroethane	50.000	53.674	-7.3	87	0.00
43 T	Isopropyl Acetate	50.000	56.898	-13.8	90	0.00
44 TM	Trichloroethene	50.000	45.635	8.7	84	0.00
45 C	1,2-Dichloropropane	50.000	53.666	-7.3#	86	0.00
46 T	Dibromomethane	50.000	54.728	-9.5	88	0.00
47 T	Bromodichloromethane	50.000	56.513	-13.0	88	0.00
48 T	Methyl methacrylate	50.000	55.319	-10.6	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	892.162	10.8	72	0.00
50 S	Toluene-d8	50.000	51.339	-2.7	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	305.931	-22.4	95	0.00
52 CM	Toluene	50.000	53.762	-7.5#	85	0.00
53 T	t-1,3-Dichloropropene	50.000	57.607	-15.2	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.845	-9.7	85	0.00
55 T	1,1,2-Trichloroethane	50.000	55.687	-11.4	90	0.00
56 T	Ethyl methacrylate	50.000	59.532	-19.1	91	0.00
57 T	1,3-Dichloropropane	50.000	55.393	-10.8	90	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	253.403	-1.4	85	0.00
59 T	2-Hexanone	250.000	319.041	-27.6#	96	0.00
60 T	Dibromochloromethane	50.000	58.369	-16.7	89	0.00
61 T	1,2-Dibromoethane	50.000	58.300	-16.6	92	0.00
62 S	4-Bromofluorobenzene	50.000	54.890	-9.8	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64 T	Tetrachloroethene	50.000	51.016	-2.0	85	0.00
65 PM	Chlorobenzene	50.000	52.077	-4.2	88	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	57.592	-15.2	91	0.00
67 C	Ethyl Benzene	50.000	54.326	-8.7#	88	0.00
68 T	m/p-Xylenes	100.000	108.164	-8.2	87	0.00
69 T	o-Xylene	50.000	55.165	-10.3	87	0.00
70 T	Styrene	50.000	56.223	-12.4	88	0.00
71 P	Bromoform	50.000	52.273	-4.5	88	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	52.666	-5.3	90	0.00
74 T	N-amyl acetate	50.000	57.486	-15.0	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.025	-8.0	93	0.00
76 T	1,2,3-Trichloropropane	50.000	55.278	-10.6	93	0.00
77 T	Bromobenzene	50.000	52.056	-4.1	89	0.00
78 T	n-propylbenzene	50.000	54.176	-8.4	89	0.00
79 T	2-Chlorotoluene	50.000	52.453	-4.9	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.818	-7.6	90	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.317	-4.6	86	0.00
82 T	4-Chlorotoluene	50.000	54.037	-8.1	90	0.00
83 T	tert-Butylbenzene	50.000	55.384	-10.8	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.591	-9.2	91	0.00
85 T	sec-Butylbenzene	50.000	55.564	-11.1	91	0.00
86 T	p-Isopropyltoluene	50.000	57.182	-14.4	92	0.00
87 T	1,3-Dichlorobenzene	50.000	52.521	-5.0	90	0.00
88 T	1,4-Dichlorobenzene	50.000	51.665	-3.3	90	0.00
89 T	n-Butylbenzene	50.000	56.576	-13.2	89	0.00
90 T	Hexachloroethane	50.000	52.654	-5.3	86	0.00
91 T	1,2-Dichlorobenzene	50.000	53.506	-7.0	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	57.434	-14.9	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.404	-6.8	89	0.00
94 T	Hexachlorobutadiene	50.000	54.716	-9.4	95	0.00
95 T	Naphthalene	50.000	58.572	-17.1	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	55.461	-10.9	91	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: AECO15

Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164

Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 18:44

Lab File ID: VX044217.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.496		-21.64	50
Chloromethane	0.667	0.566	0.1	-15.14	50
Vinyl Chloride	0.709	0.616		-13.12	50
Bromomethane	0.436	0.441		1.15	50
Chloroethane	0.432	0.416		-3.7	50
Trichlorofluoromethane	1.268	1.286		1.42	50
1,1,2-Trichlorotrifluoroethane	0.605	0.555		-8.26	50
1,1-Dichloroethene	0.576	0.521		-9.55	50
Acetone	0.394	0.357		-9.39	50
Carbon Disulfide	1.188	0.842		-29.13	50
Methyl tert-butyl Ether	2.092	2.267		8.36	50
Methyl Acetate	0.917	0.993		8.29	50
Methylene Chloride	0.668	0.651		-2.55	50
trans-1,2-Dichloroethene	0.595	0.559		-6.05	50
1,1-Dichloroethane	1.161	1.194	0.1	2.84	50
Cyclohexane	0.956	0.852		-10.88	50
2-Butanone	0.508	0.539		6.1	50
Carbon Tetrachloride	0.500	0.466		-6.8	50
cis-1,2-Dichloroethene	0.735	0.744		1.22	50
Bromochloromethane	0.511	0.464		-9.2	50
Chloroform	1.249	1.314		5.2	50
1,1,1-Trichloroethane	1.077	1.126		4.55	50
Methylcyclohexane	0.578	0.493		-14.71	50
Benzene	1.387	1.288		-7.14	50
1,2-Dichloroethane	0.557	0.549		-1.44	50
Trichloroethene	0.393	0.315		-19.85	50
1,2-Dichloropropane	0.340	0.336		-1.18	50
Bromodichloromethane	0.482	0.497		3.11	50
4-Methyl-2-Pentanone	0.537	0.594		10.61	50
Toluene	0.830	0.815		-1.81	50
t-1,3-Dichloropropene	0.491	0.497		1.22	50
cis-1,3-Dichloropropene	0.539	0.534		-0.93	50
1,1,2-Trichloroethane	0.343	0.350		2.04	50
2-Hexanone	0.403	0.444		10.17	50
Dibromochloromethane	0.344	0.358		4.07	50
1,2-Dibromoethane	0.346	0.362		4.62	50
Tetrachloroethene	0.330	0.309		-6.36	50
Chlorobenzene	1.098	1.073	0.3	-2.28	50

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: P5164 SAS No.: P5164 SDG No.: P5164
 Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2024 18:44
 Lab File ID: VX044217.D Init. Calib. Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.861	1.866		0.27	50
m/p-Xylenes	0.694	0.686		-1.15	50
o-Xylene	0.678	0.698		2.95	50
Styrene	1.121	1.176		4.91	50
Bromoform	0.240	0.254	0.1	5.83	50
Isopropylbenzene	3.843	3.780		-1.64	50
1,1,2,2-Tetrachloroethane	1.316	1.342	0.3	1.98	50
1,3-Dichlorobenzene	1.670	1.628		-2.52	50
1,4-Dichlorobenzene	1.702	1.600		-5.99	50
1,2-Dichlorobenzene	1.685	1.644		-2.43	50
1,2-Dibromo-3-Chloropropane	0.264	0.280		6.06	50
1,2,4-Trichlorobenzene	0.994	0.956		-3.82	50
1,2,3-Trichlorobenzene	1.006	0.973		-3.28	50
1,2-Dichloroethane-d4	0.858	0.913		6.41	50
Dibromofluoromethane	0.357	0.351		-1.68	50
Toluene-d8	1.232	1.161		-5.76	50
4-Bromofluorobenzene	0.419	0.428		2.15	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\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/11/2024
Supervised By : Mahesh Dadoda 12/11/2024

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	127138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99884	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	116097	53.240	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.480%
35) Dibromofluoromethane	5.385	113	85094	49.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.240%
50) Toluene-d8	8.647	98	281415	47.129	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.260%
62) 4-Bromofluorobenzene	11.079	95	103646	51.003	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	63111	39.184	ug/l	100
3) Chloromethane	1.294	50	71958	42.456	ug/l	96
4) Vinyl Chloride	1.374	62	78335	43.453	ug/l	94
5) Bromomethane	1.593	94	56062	50.551	ug/l	99
6) Chloroethane	1.660	64	52880	48.139	ug/l	96
7) Trichlorofluoromethane	1.861	101	163545	50.742	ug/l	99
8) Diethyl Ether	2.136	74	60579	51.568	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	70620	45.934	ug/l	97
10) Methyl Iodide	2.441	142	94218	49.069	ug/l	97
11) Tert butyl alcohol	3.001	59	84514	241.461	ug/l	98
12) 1,1-Dichloroethene	2.306	96	66238	45.214	ug/l	100
13) Acrolein	2.239	56	97940	265.473	ug/l	98
14) Allyl chloride	2.654	41	119802	50.047	ug/l	97
15) Acrylonitrile	3.069	53	227176	266.340	ug/l	99
16) Acetone	2.392	43	226673	226.323	ug/l	99
17) Carbon Disulfide	2.495	76	107012	35.412	ug/l	98
18) Methyl Acetate	2.709	43	126300	54.151	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	288178	54.175	ug/l	99
20) Methylene Chloride	2.782	84	82748	48.686	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	71058	46.980	ug/l	98
22) Diisopropyl ether	3.764	45	270141	52.775	ug/l	95
23) Vinyl Acetate	3.721	43	1168321	266.817	ug/l	99
24) 1,1-Dichloroethane	3.605	63	151815	51.412	ug/l	98
25) 2-Butanone	4.568	43	342634	265.133	ug/l	100
26) 2,2-Dichloropropane	4.465	77	124266	46.597	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	94599	50.598	ug/l	100
28) Bromochloromethane	4.897	49	58950	45.353	ug/l	99
29) Tetrahydrofuran	5.007	42	213397	269.350	ug/l	99
30) Chloroform	5.093	83	167120	52.620	ug/l	92
31) Cyclohexane	5.458	56	108328	44.572	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	143108	52.251	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99283	45.995	ug/l	99
37) Ethyl Acetate	4.721	43	132767	49.549	ug/l	100
38) Carbon Tetrachloride	5.672	117	113013	46.595	ug/l	98
39) Methylcyclohexane	7.373	83	119528	42.624	ug/l	95
40) Benzene	6.031	78	312174	46.428	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044217.D
 Acq On : 10 Dec 2024 18:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:40:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	69589	50.743	ug/l	95
42) 1,2-Dichloroethane	6.086	62	133086	49.283	ug/l	100
43) Isopropyl Acetate	6.342	43	217997	51.122	ug/l	100
44) Trichloroethene	7.123	130	76272	40.071	ug/l	97
45) 1,2-Dichloropropane	7.427	63	81383	49.418	ug/l	95
46) Dibromomethane	7.580	93	65788	50.501	ug/l	96
47) Bromodichloromethane	7.824	83	120375	51.522	ug/l	97
48) Methyl methacrylate	7.696	41	102462	50.075	ug/l	98
49) 1,4-Dioxane	7.665	88	30858	846.622	ug/l #	66
51) 4-Methyl-2-Pentanone	8.574	43	719431	276.463	ug/l	99
52) Toluene	8.714	92	197647	49.112	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120376	50.525	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	129505	49.583	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	84764	51.024	ug/l	99
56) Ethyl methacrylate	9.116	69	138164	53.395	ug/l	98
57) 1,3-Dichloropropane	9.305	76	141482	50.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	332302	234.142	ug/l	98
59) 2-Hexanone	9.433	43	538686	275.412	ug/l	99
60) Dibromochloromethane	9.519	129	86855	52.109	ug/l	99
61) 1,2-Dibromoethane	9.610	107	87795	52.266	ug/l	100
64) Tetrachloroethene	9.269	164	64579	46.869	ug/l	97
65) Chlorobenzene	10.079	112	224152	48.841	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	77524	52.085	ug/l	99
67) Ethyl Benzene	10.195	91	389963	50.145	ug/l	100
68) m/p-Xylenes	10.299	106	286729	98.868	ug/l	98
69) o-Xylene	10.640	106	145887	51.522	ug/l	98
70) Styrene	10.653	104	245812	52.487	ug/l	99
71) Bromoform	10.799	173	53014	47.096	ug/l #	97
73) Isopropylbenzene	10.963	105	377517	49.169	ug/l	100
74) N-ethyl acetate	10.842	43	192555	54.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	134002	50.971	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	112114m	51.183	ug/l	
77) Bromobenzene	11.195	156	88361	48.243	ug/l	98
78) n-propylbenzene	11.305	91	424053	49.451	ug/l	100
79) 2-Chlorotoluene	11.360	91	264885	48.850	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	318691	50.452	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35508	44.234	ug/l	93
82) 4-Chlorotoluene	11.451	91	302591	49.428	ug/l	99
83) tert-Butylbenzene	11.713	119	316761	50.593	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	316576	50.339	ug/l	98
85) sec-Butylbenzene	11.890	105	386295	50.357	ug/l	100
86) p-Isopropyltoluene	12.006	119	318368	51.093	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	162593	48.740	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	159770	46.977	ug/l	98
89) n-Butylbenzene	12.329	91	276773	50.379	ug/l	100
90) Hexachloroethane	12.536	117	49566	46.780	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	164195	48.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27997	53.147	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	95471	48.102	ug/l	99
94) Hexachlorobutadiene	13.725	225	36087	46.005	ug/l	98
95) Naphthalene	13.774	128	380179	53.212	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	97156	48.363	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

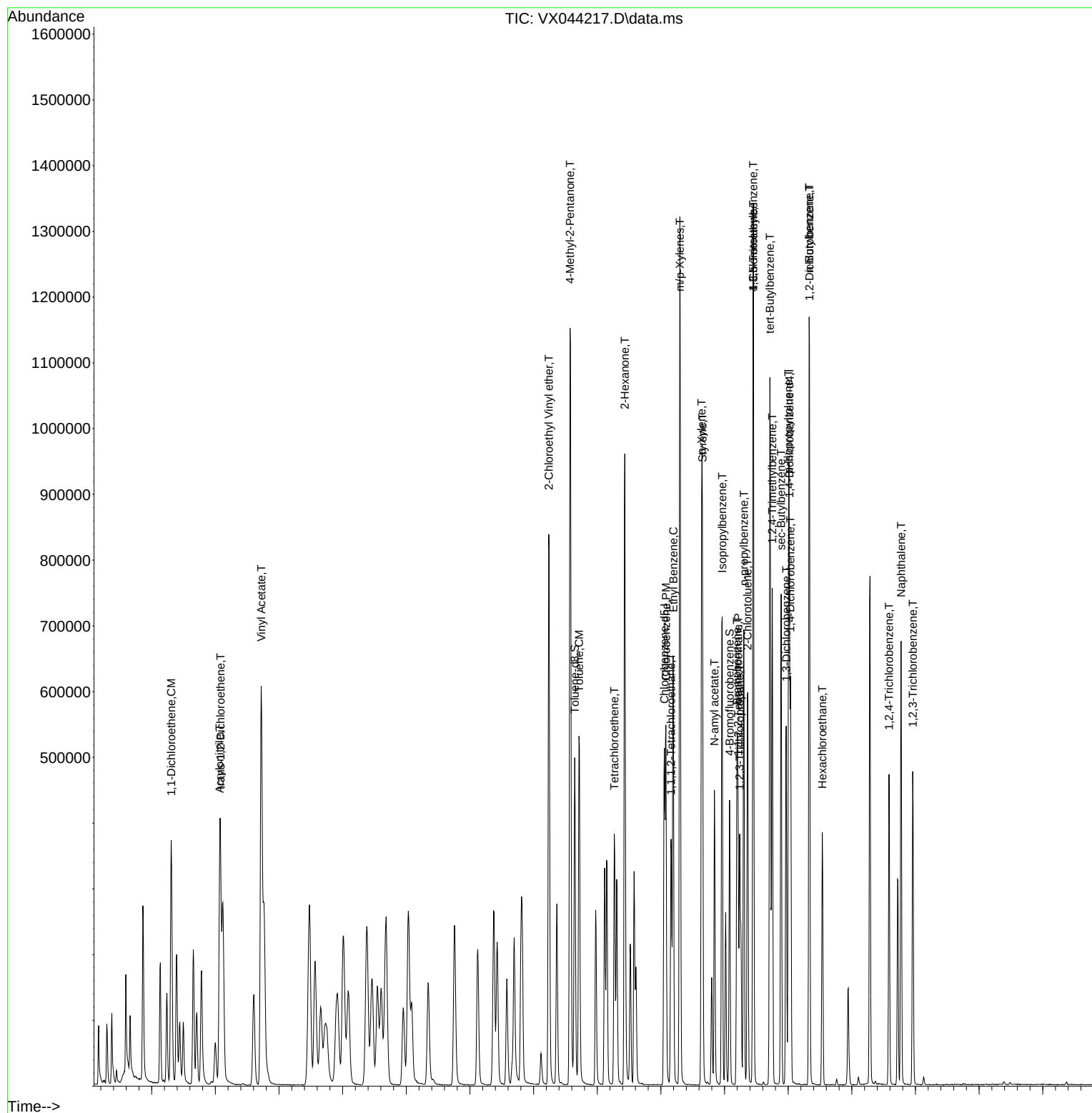
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

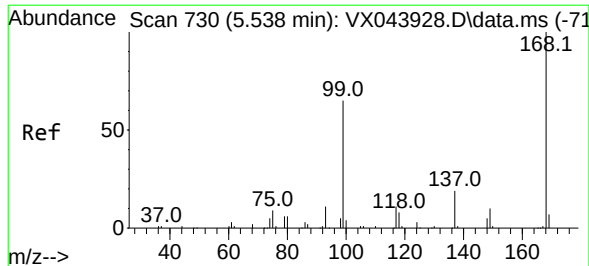
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024





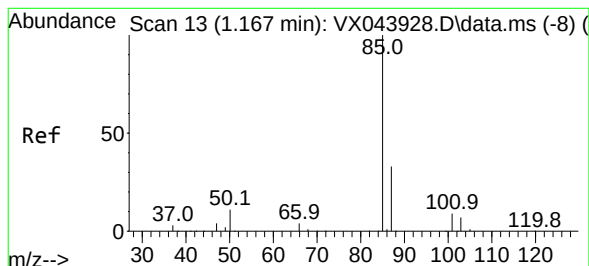
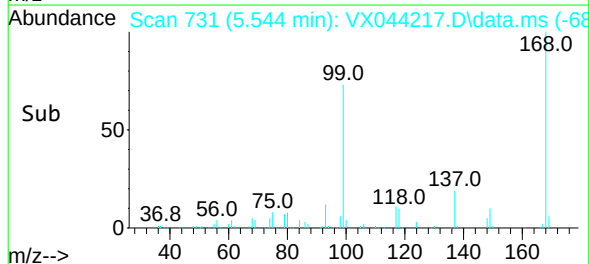
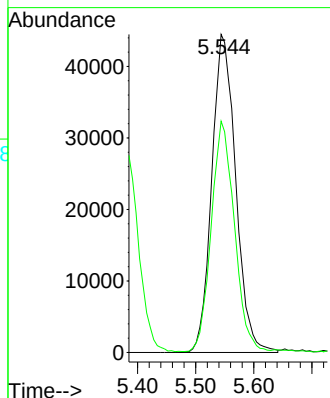
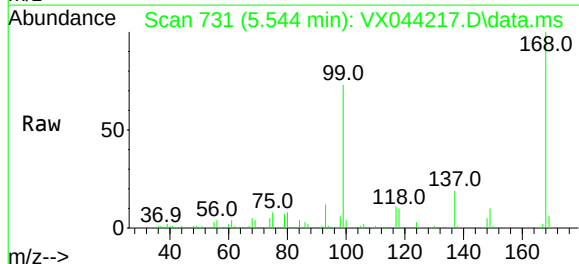
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 168 Resp: 127138
Ion Ratio Lower Upper
168 100
99 72.4 51.8 77.8

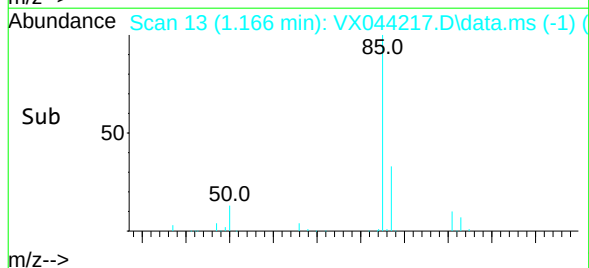
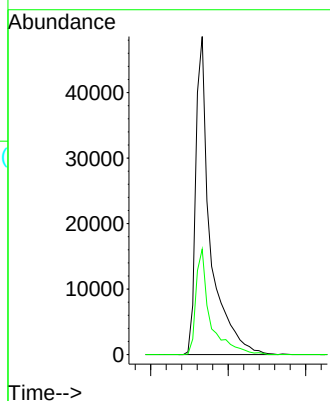
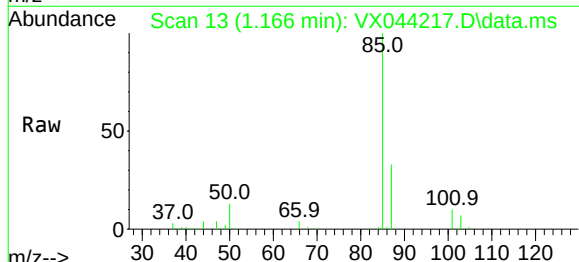
Manual Integrations
APPROVED

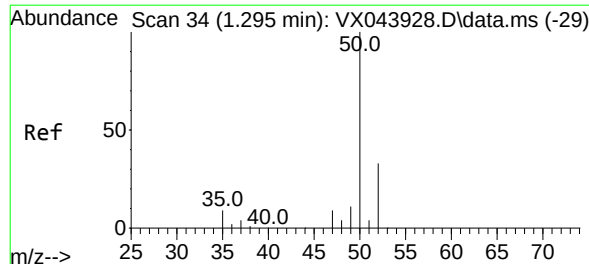
Reviewed By : John Carlone 12/11/2024
Supervised By : Mahesh Dadoda 12/11/2024



#2
Dichlorodifluoromethane
Concen: 39.184 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 85 Resp: 63111
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.8





#3

Chloromethane

Concen: 42.456 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 71958

Ion Ratio Lower Upper

50 100

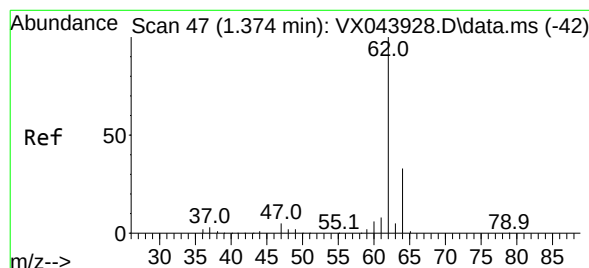
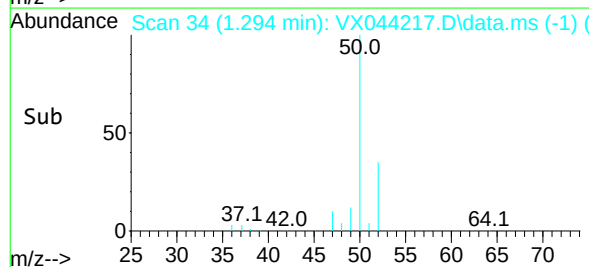
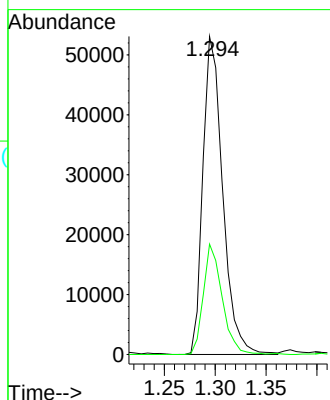
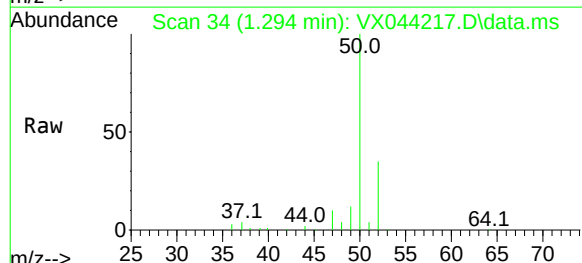
52 34.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#4

Vinyl Chloride

Concen: 43.453 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044217.D

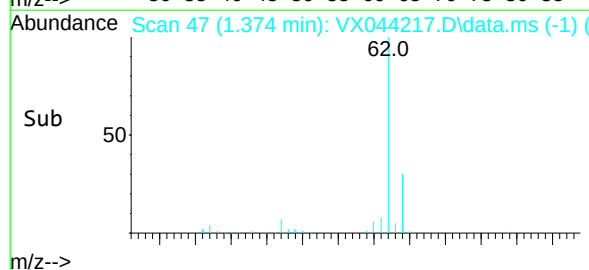
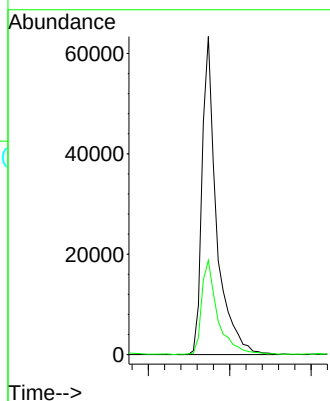
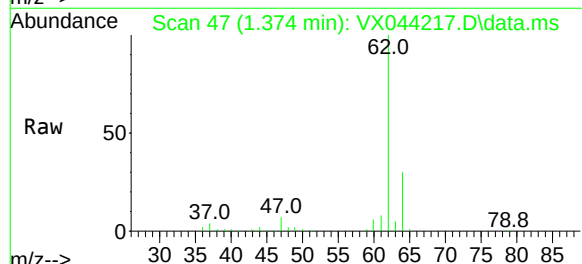
Acq: 10 Dec 2024 18:44

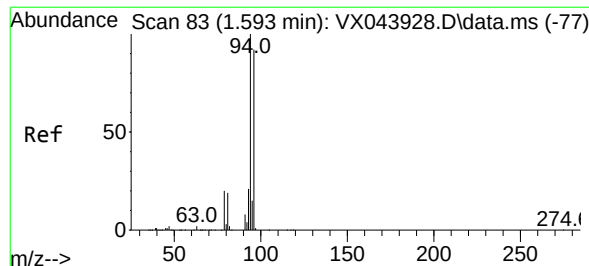
Tgt Ion: 62 Resp: 78335

Ion Ratio Lower Upper

62 100

64 29.5 26.2 39.4





#5

Bromomethane

Concen: 50.551 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 56062

Ion Ratio Lower Upper

94 100

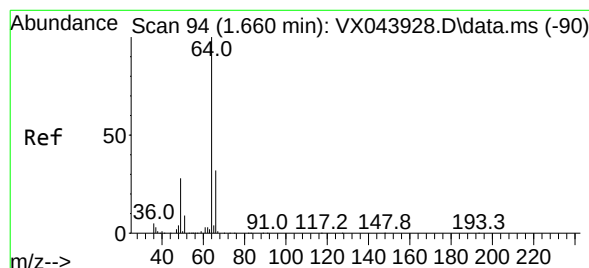
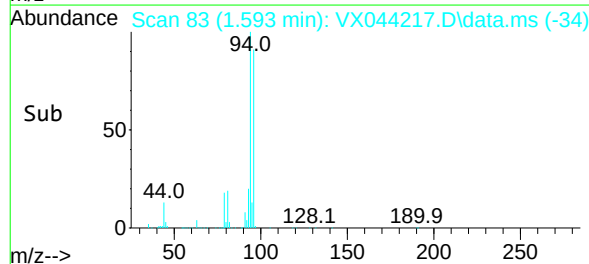
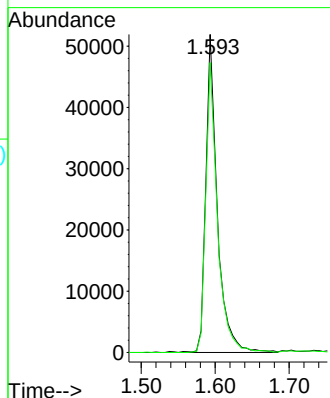
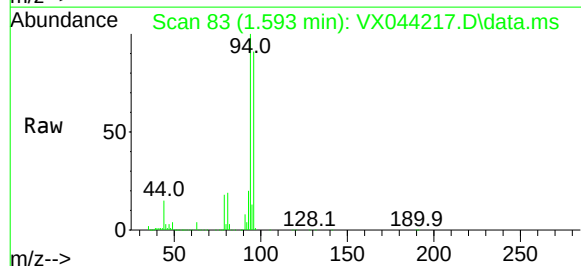
96 91.2 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#6

Chloroethane

Concen: 48.139 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX044217.D

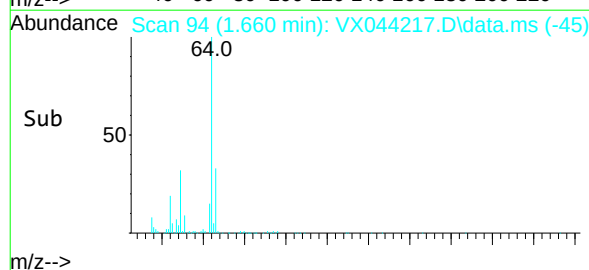
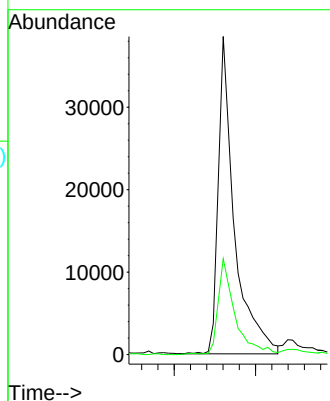
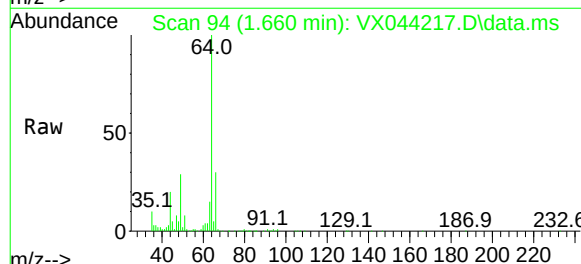
Acq: 10 Dec 2024 18:44

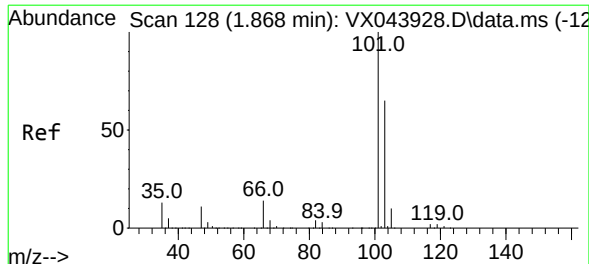
Tgt Ion: 64 Resp: 52880

Ion Ratio Lower Upper

64 100

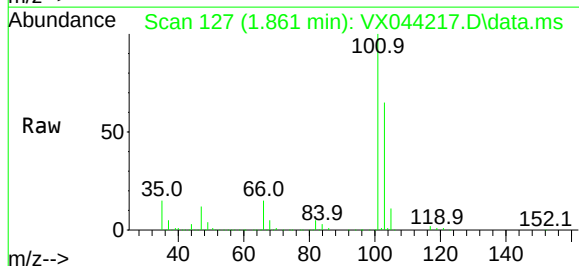
66 30.2 25.9 38.9





#7
Trichlorofluoromethane
Concen: 50.742 ug/l
RT: 1.861 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

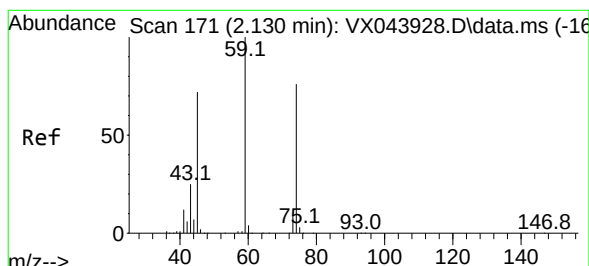
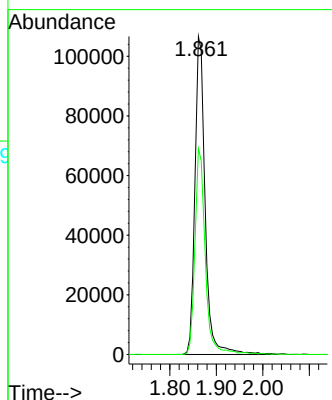
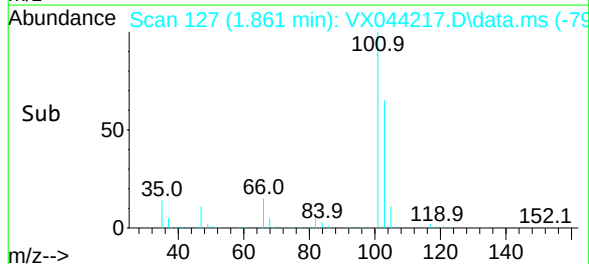
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 101 Resp: 163545
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.2

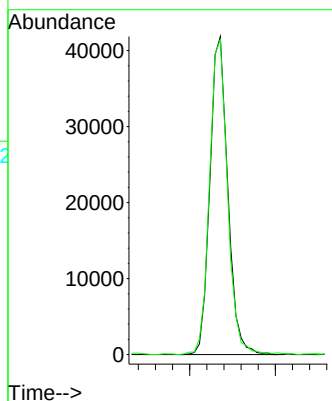
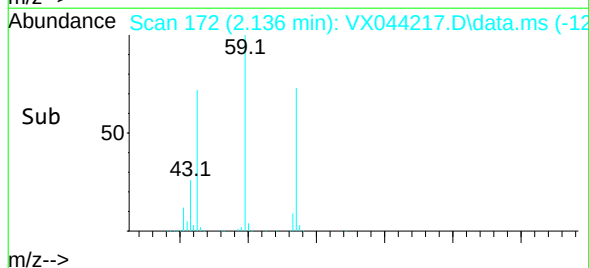
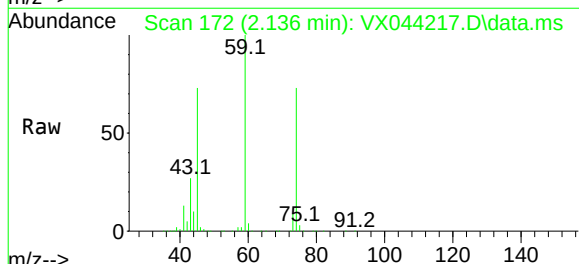
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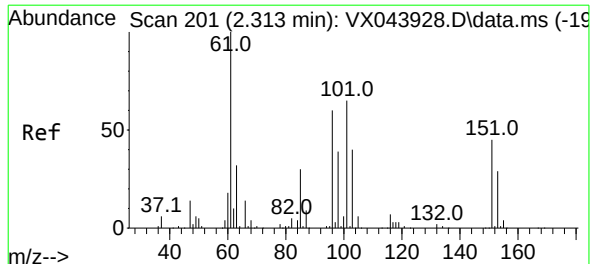
Reviewed By : John Carlone 12/11/2024
Supervised By : Mahesh Dadoda 12/11/2024



#8
Diethyl Ether
Concen: 51.568 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 74 Resp: 60579
Ion Ratio Lower Upper
74 100
45 100.2 47.9 143.6





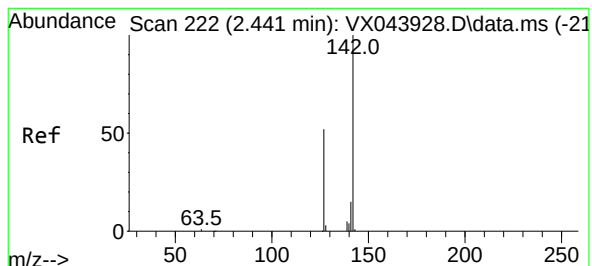
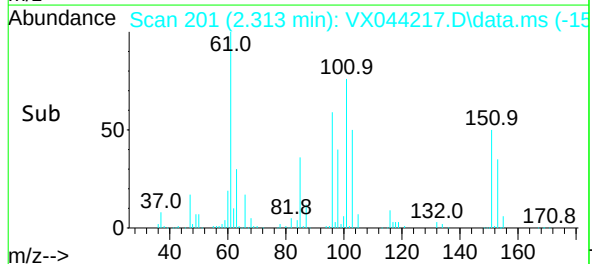
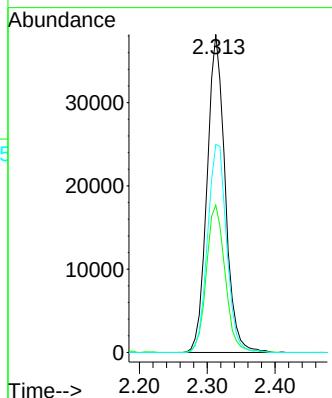
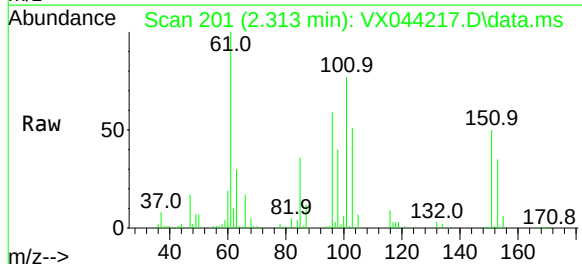
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.934 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 70620
Ion Ratio Lower Upper
101 100
85 48.1 37.9 56.9
151 68.9 57.5 86.3

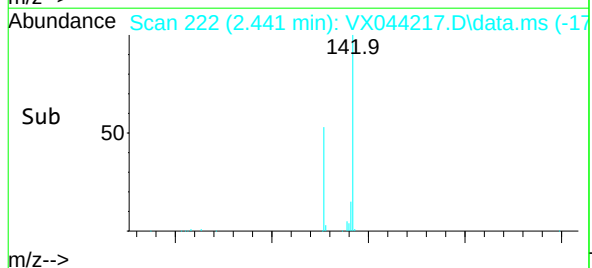
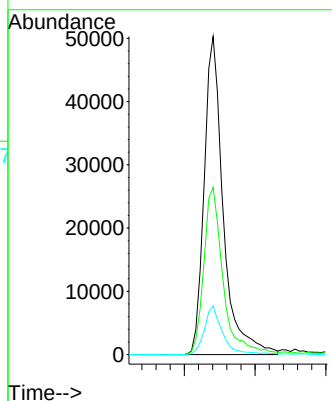
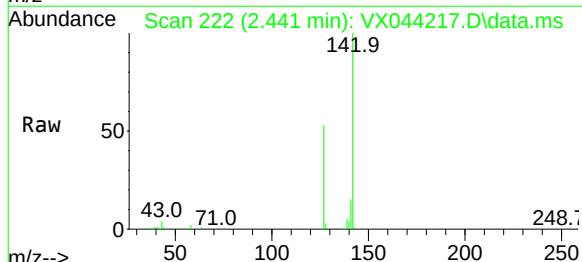
Manual Integrations
APPROVED

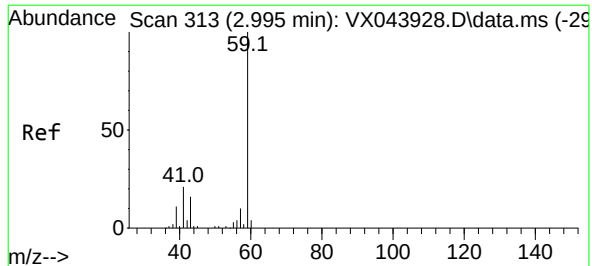
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#10
Methyl Iodide
Concen: 49.069 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:142 Resp: 94218
Ion Ratio Lower Upper
142 100
127 53.8 40.7 61.1
141 14.7 12.0 18.0





#11

Tert butyl alcohol

Concen: 241.461 ug/l

RT: 3.001 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 84514

Ion Ratio Lower Upper

59 100

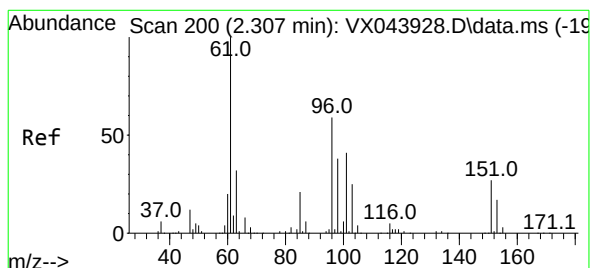
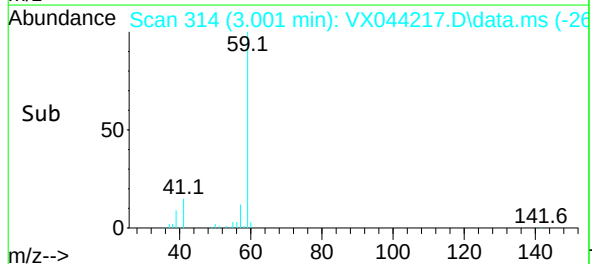
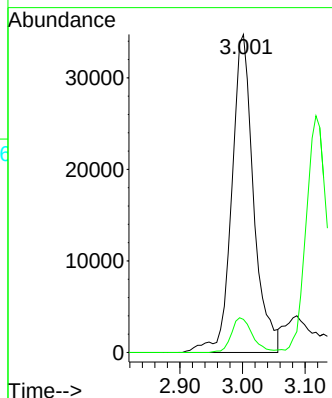
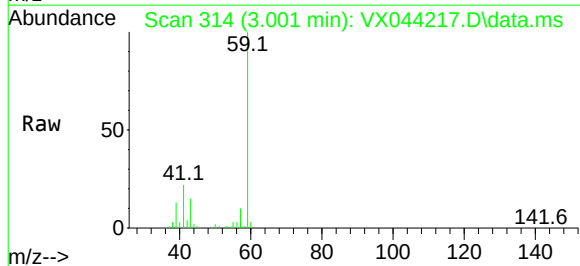
57 10.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#12

1,1-Dichloroethene

Concen: 45.214 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

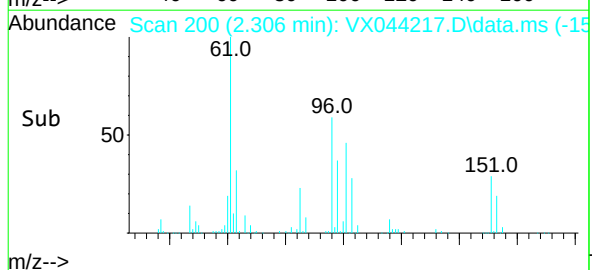
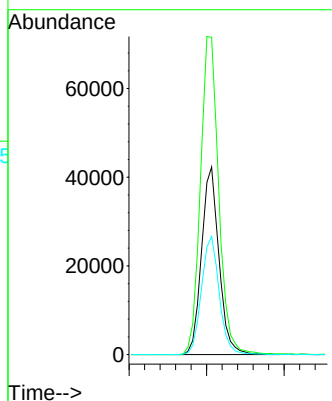
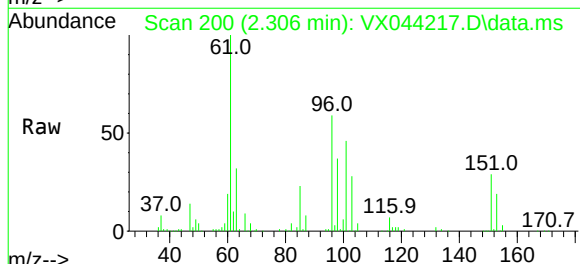
Tgt Ion: 96 Resp: 66238

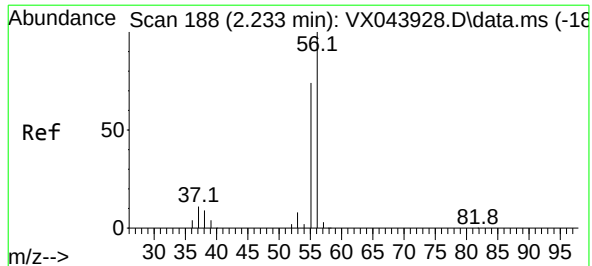
Ion Ratio Lower Upper

96 100

61 169.1 135.5 203.3

98 63.0 50.8 76.2





#13

Acrolein

Concen: 265.473 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 97940

Ion Ratio Lower Upper

56 100

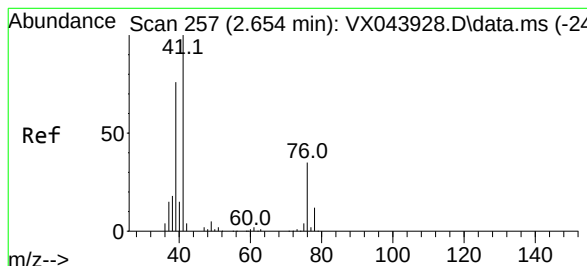
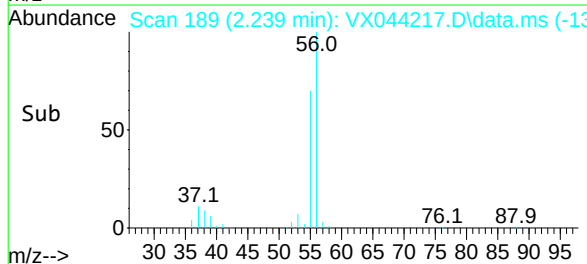
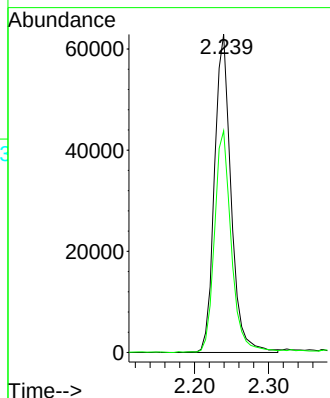
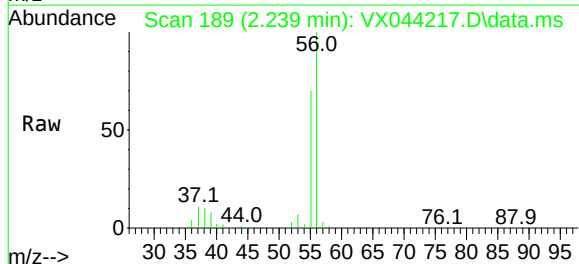
55 70.7 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#14

Allyl chloride

Concen: 50.047 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

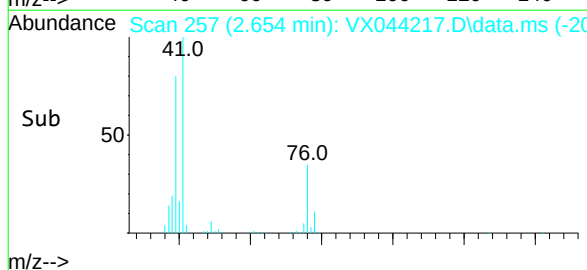
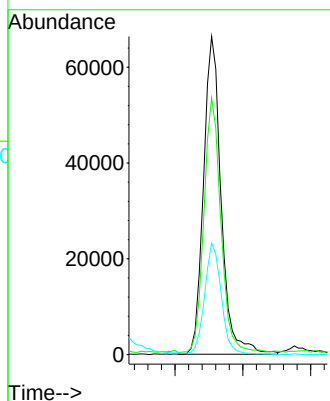
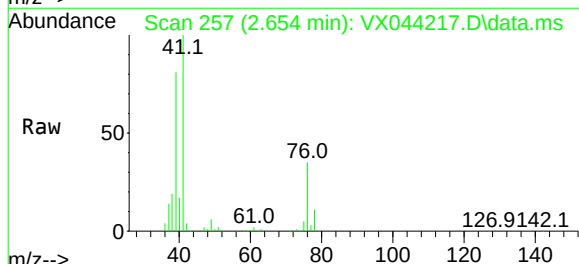
Tgt Ion: 41 Resp: 119802

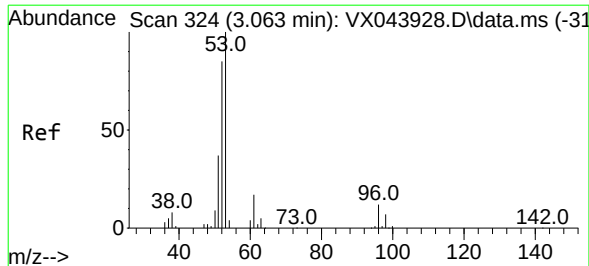
Ion Ratio Lower Upper

41 100

39 77.2 59.5 89.3

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 266.340 ug/l

RT: 3.069 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

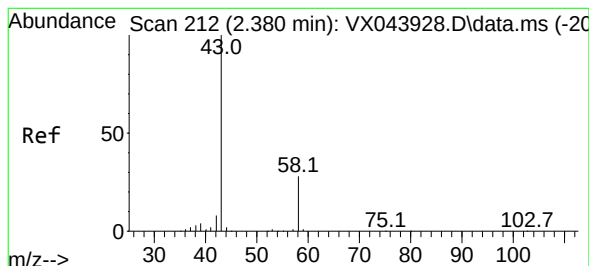
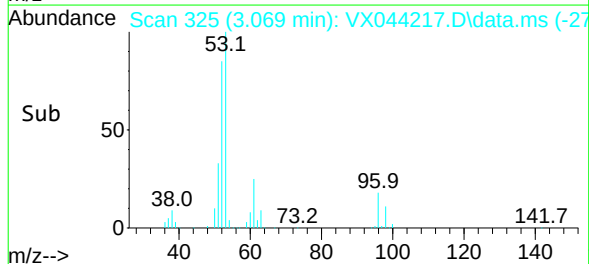
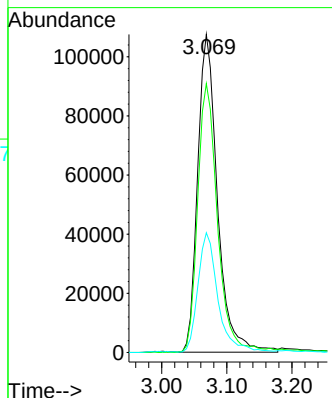
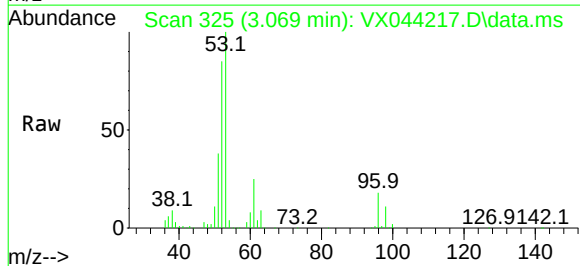
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	227176
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.5	99.7
51	37.8	30.2	45.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#16

Acetone

Concen: 226.323 ug/l

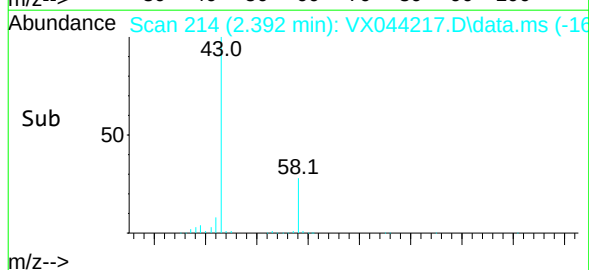
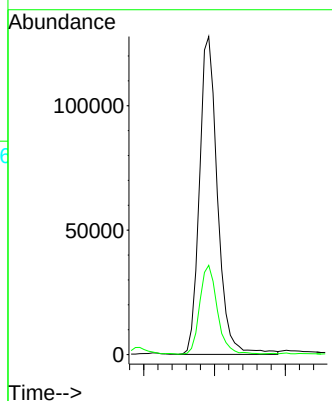
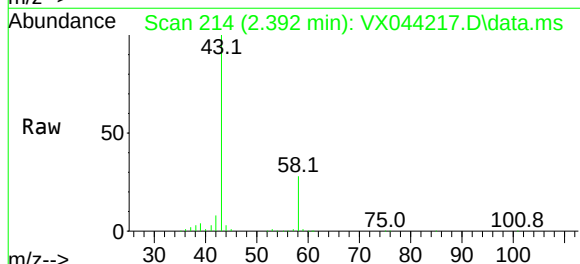
RT: 2.392 min Scan# 214

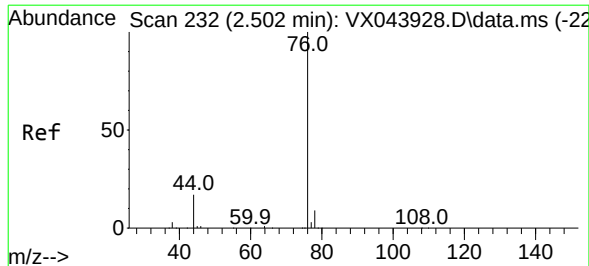
Delta R.T. 0.012 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion:	43	Resp:	226673
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.7	34.1





#17

Carbon Disulfide

Concen: 35.412 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 107012

Ion Ratio Lower Upper

76 100

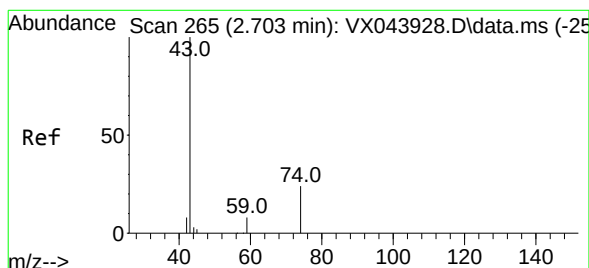
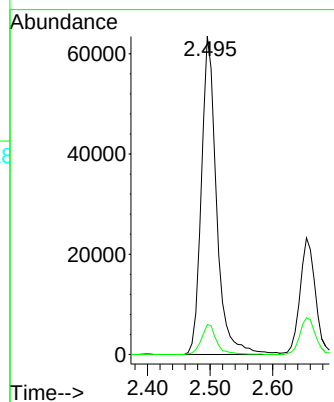
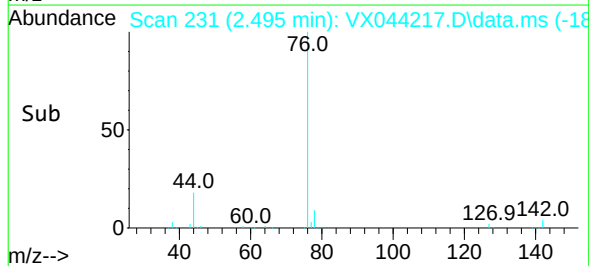
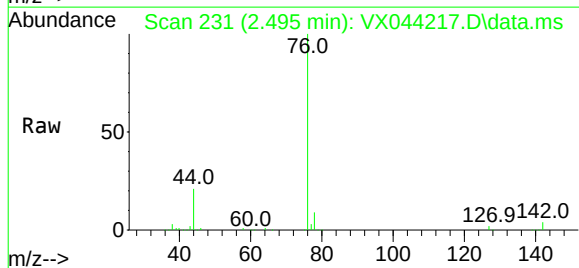
78 9.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#18

Methyl Acetate

Concen: 54.151 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX044217.D

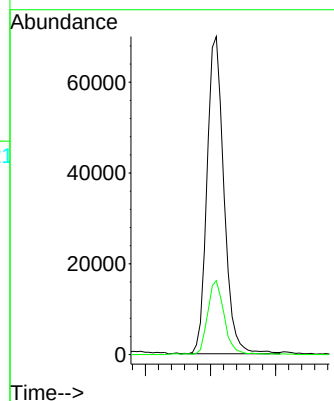
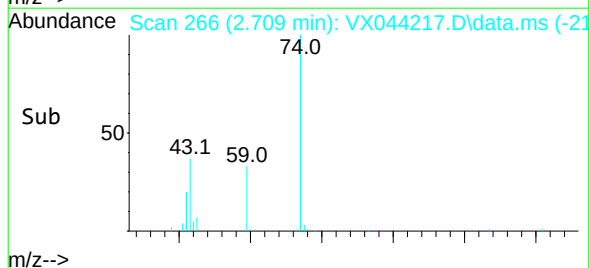
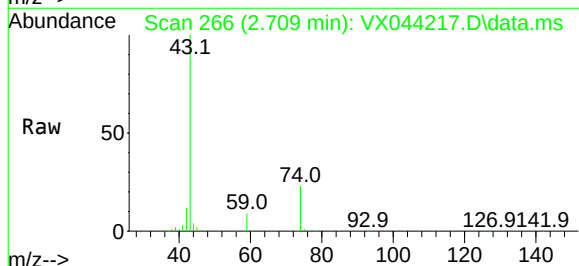
Acq: 10 Dec 2024 18:44

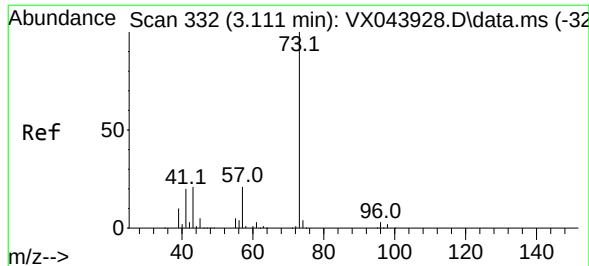
Tgt Ion: 43 Resp: 126300

Ion Ratio Lower Upper

43 100

74 22.4 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 54.175 ug/l

RT: 3.117 min Scan# 33

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 288178

Ion Ratio Lower Upper

73 100

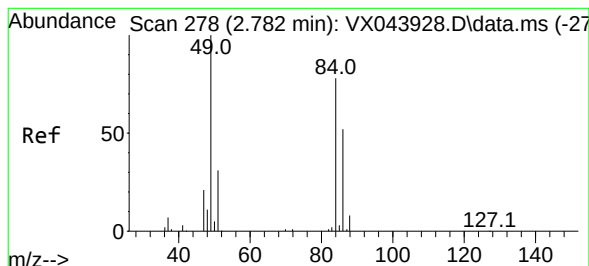
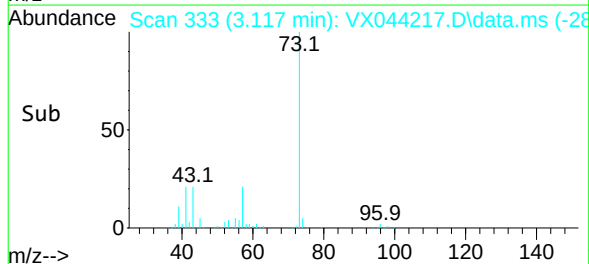
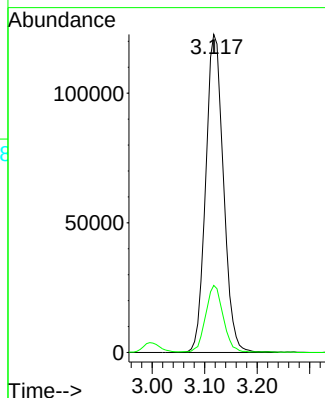
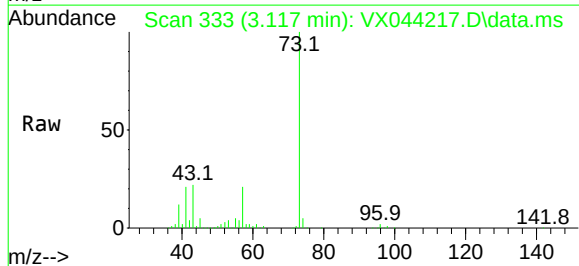
57 21.0 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#20

Methylene Chloride

Concen: 48.686 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion: 84 Resp: 82748

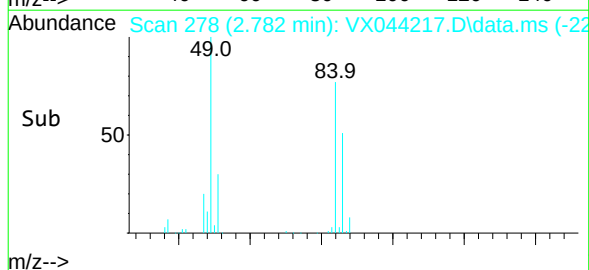
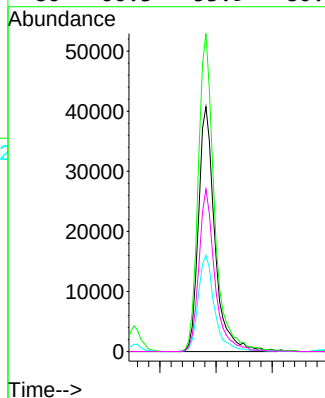
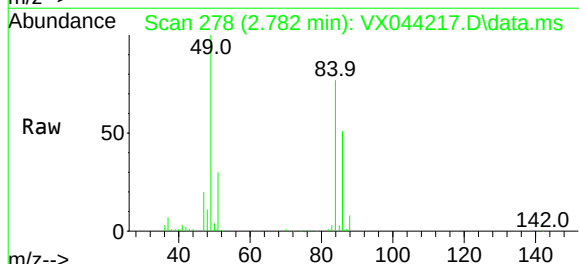
Ion Ratio Lower Upper

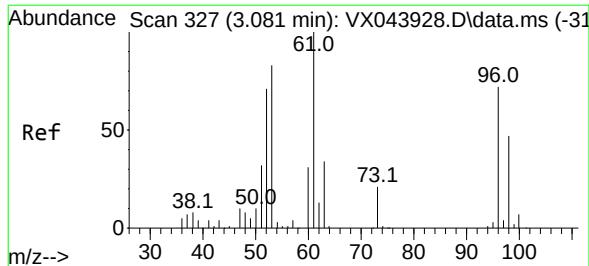
84 100

49 129.9 102.7 154.1

51 39.3 31.7 47.5

86 66.3 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 46.980 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 71058

Ion Ratio Lower Upper

96 100

61 141.2 111.8 167.6

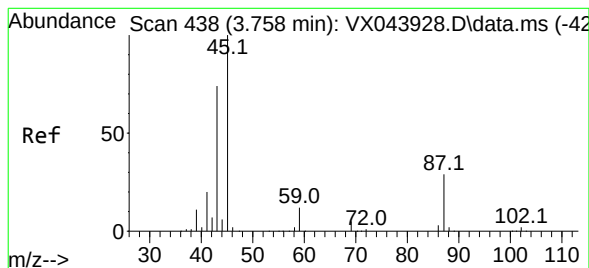
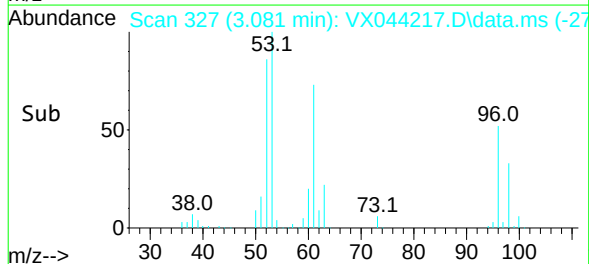
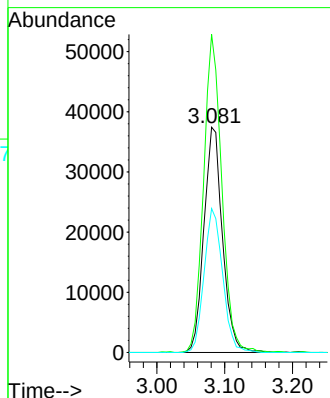
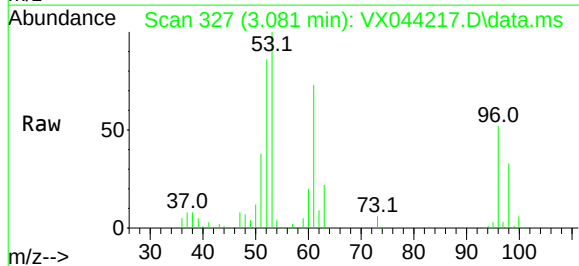
98 63.9 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#22

Diisopropyl ether

Concen: 52.775 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion: 45 Resp: 270141

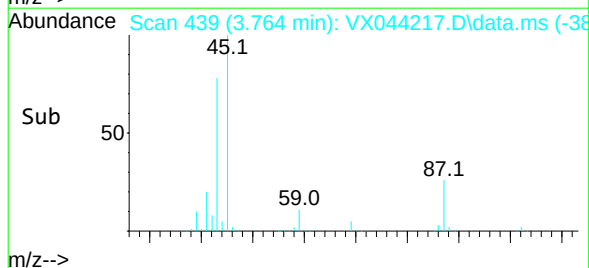
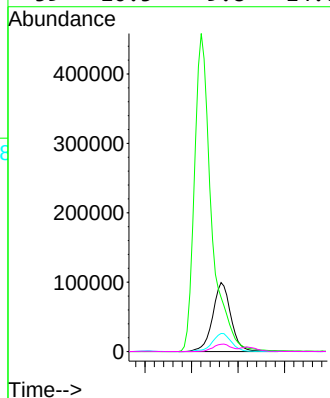
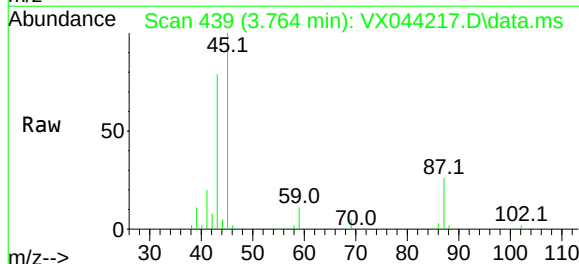
Ion Ratio Lower Upper

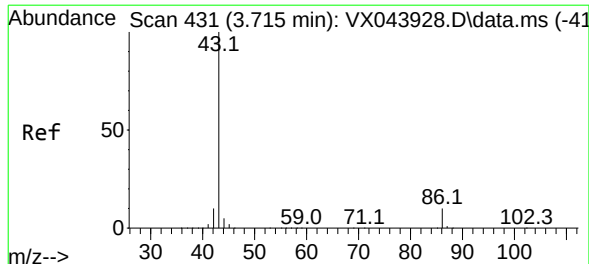
45 100

43 78.4 59.6 89.4

87 26.2 22.9 34.3

59 10.5 9.8 14.6





#23

Vinyl Acetate

Concen: 266.817 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1168321

Ion Ratio Lower Upper

43 100

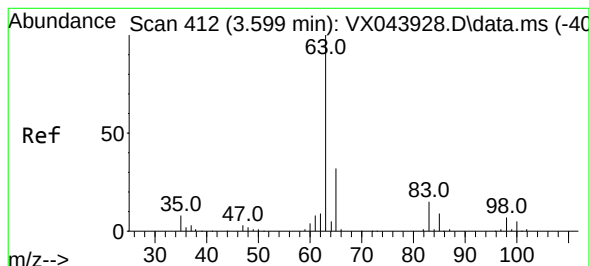
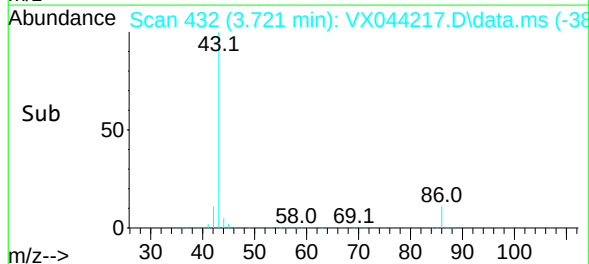
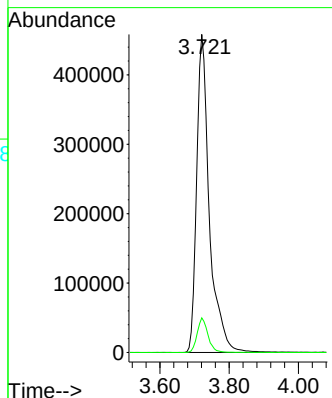
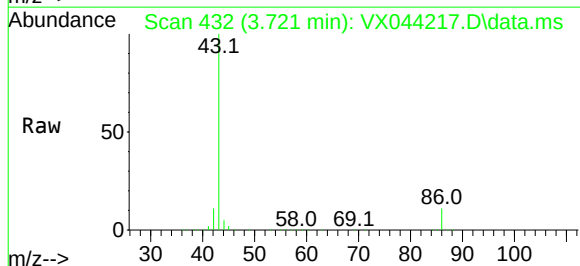
86 10.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#24

1,1-Dichloroethane

Concen: 51.412 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

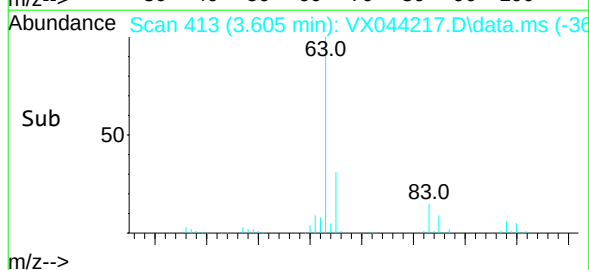
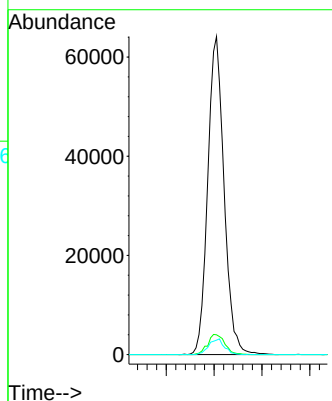
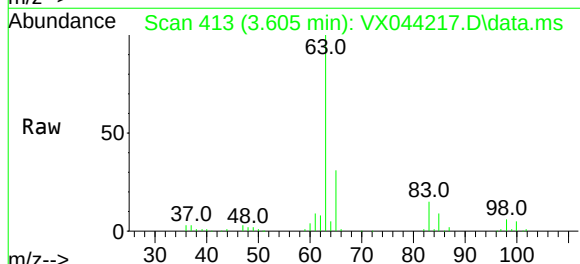
Tgt Ion: 63 Resp: 151815

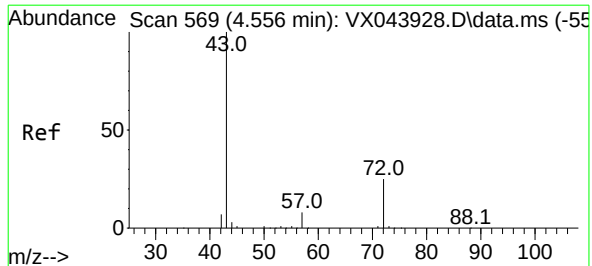
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

100 4.5 2.4 7.1





#25

2-Butanone

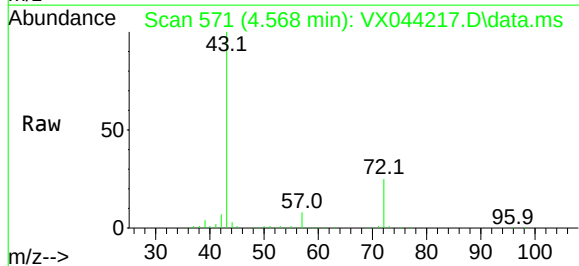
Concen: 265.133 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44



Tgt Ion: 43 Resp: 342634

Ion Ratio Lower Upper

43 100

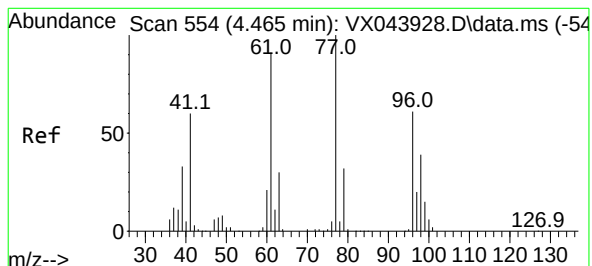
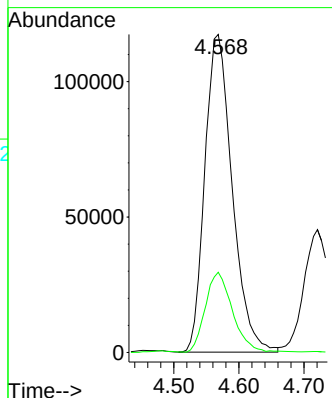
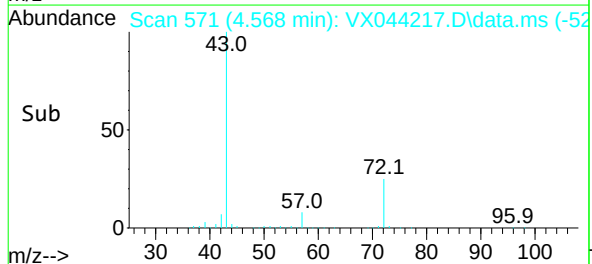
72 25.1 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#26

2,2-Dichloropropane

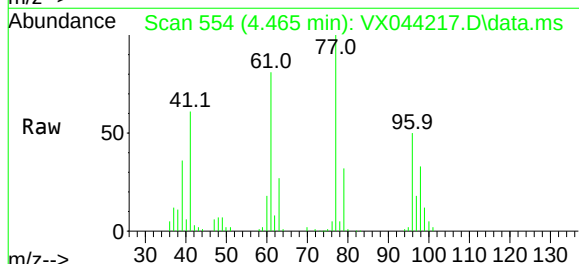
Concen: 46.597 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

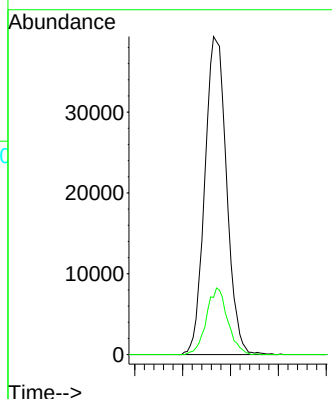
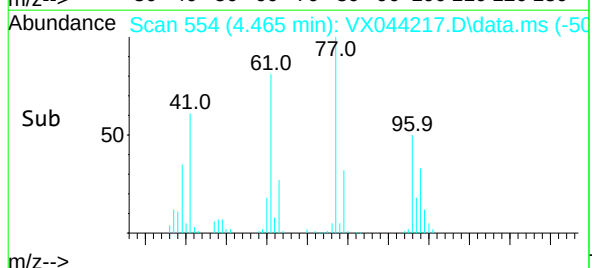


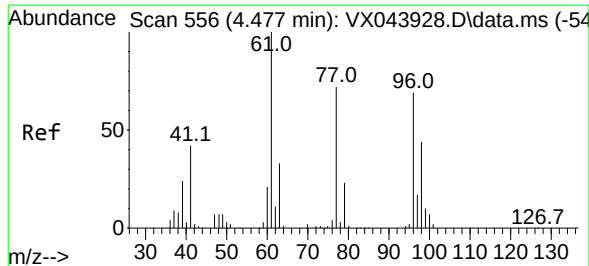
Tgt Ion: 77 Resp: 124266

Ion Ratio Lower Upper

77 100

97 20.4 10.8 32.3





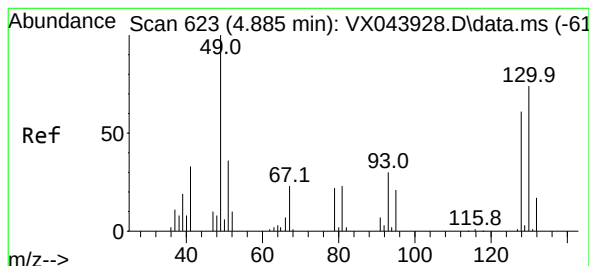
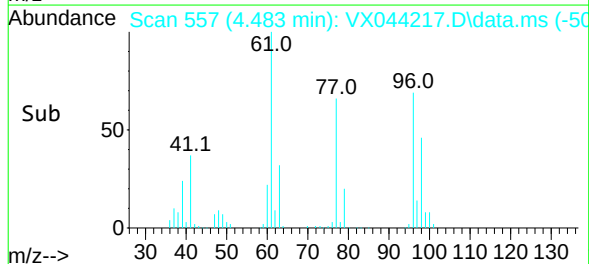
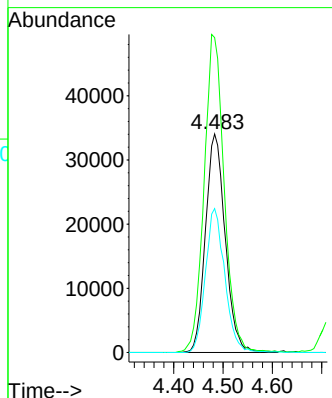
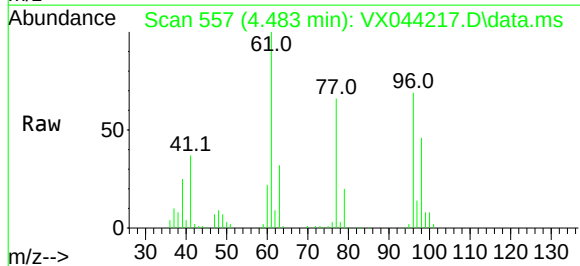
#27
cis-1,2-Dichloroethene
Concen: 50.598 ug/l
RT: 4.483 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	297.4
98	64.8	0.0	127.8

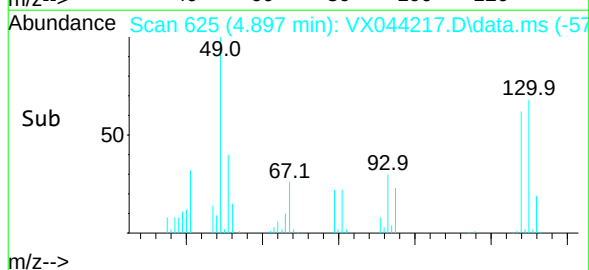
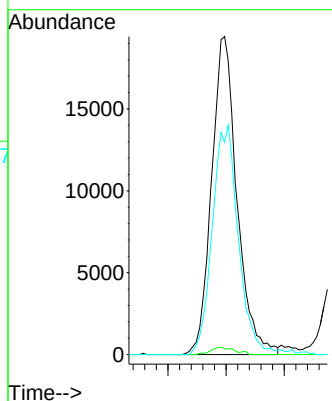
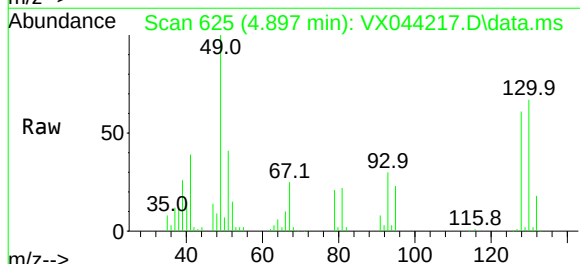
Manual Integrations
APPROVED

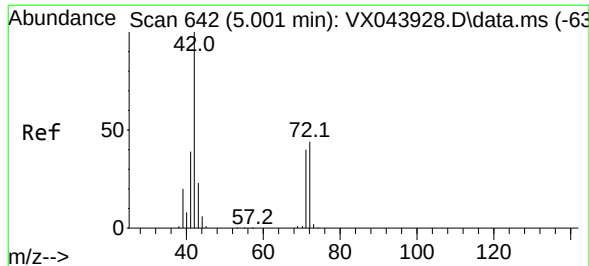
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#28
Bromochloromethane
Concen: 45.353 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	74.3	59.0	88.6





#29

Tetrahydrofuran

Concen: 269.350 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 213397

Ion Ratio Lower Upper

42 100

72 45.1 36.4 54.6

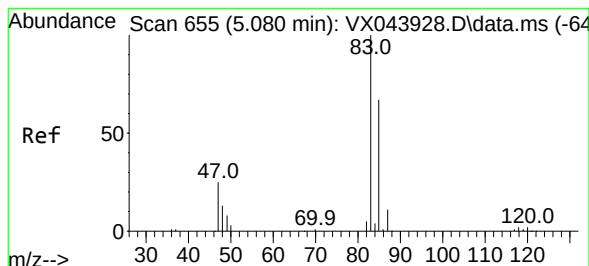
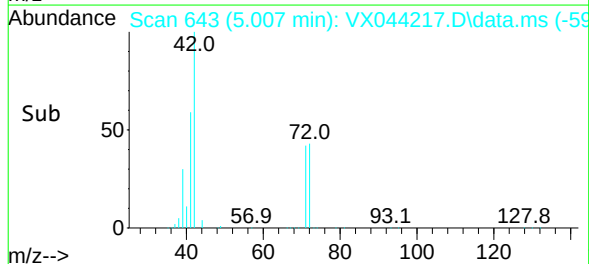
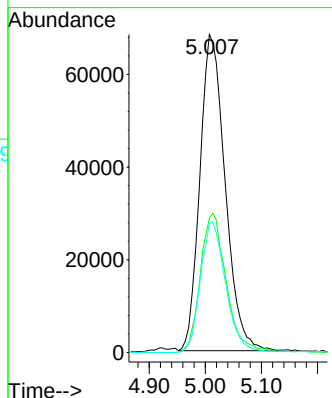
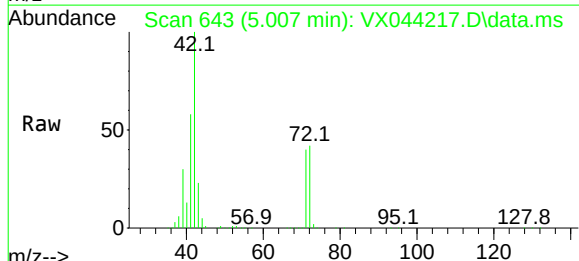
71 41.3 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#30

Chloroform

Concen: 52.620 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044217.D

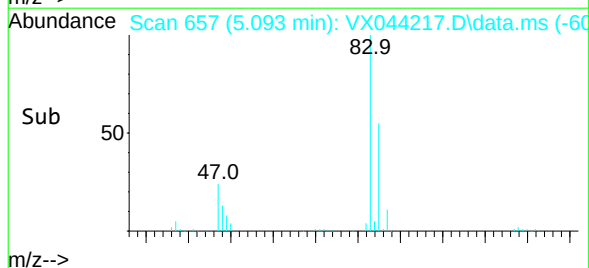
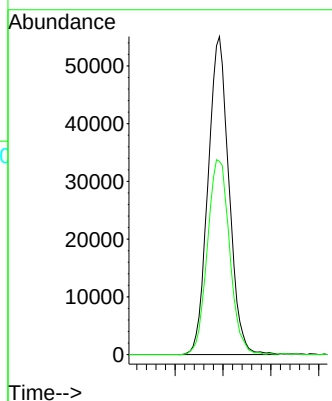
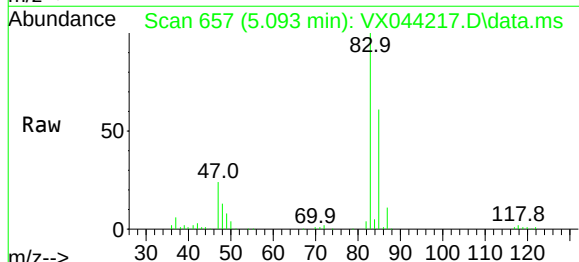
Acq: 10 Dec 2024 18:44

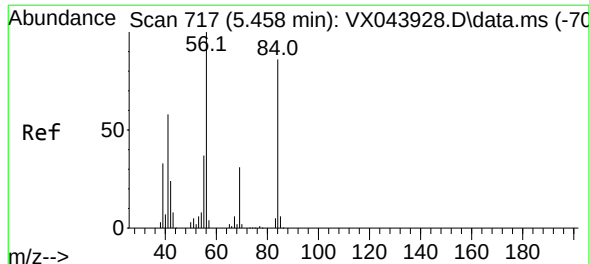
Tgt Ion: 83 Resp: 167120

Ion Ratio Lower Upper

83 100

85 60.7 53.5 80.3





#31

Cyclohexane

Concen: 44.572 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 108328

Ion Ratio Lower Upper

56 100

69 32.0 24.7 37.1

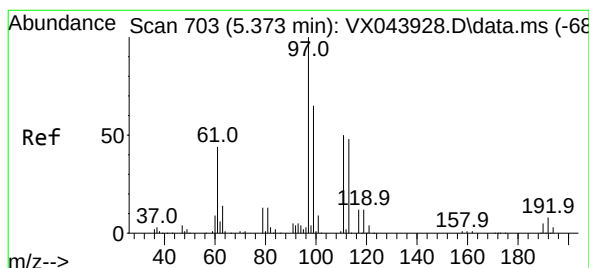
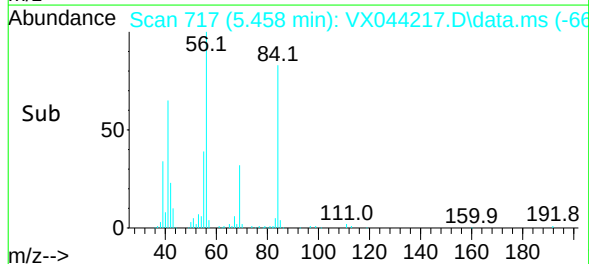
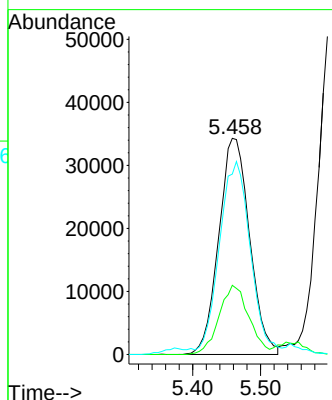
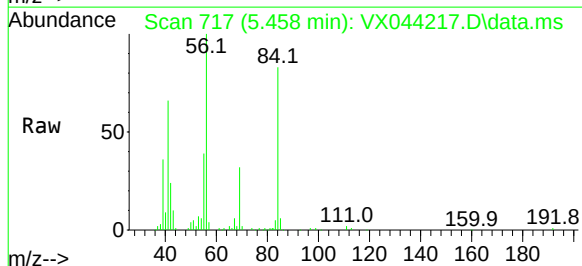
84 80.8 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#32

1,1,1-Trichloroethane

Concen: 52.251 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

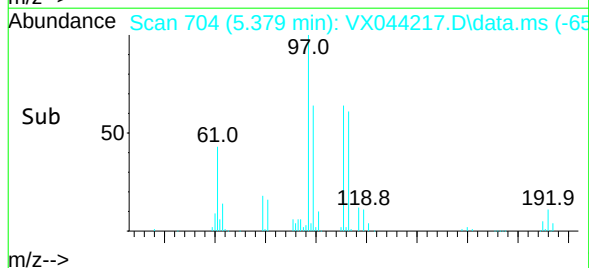
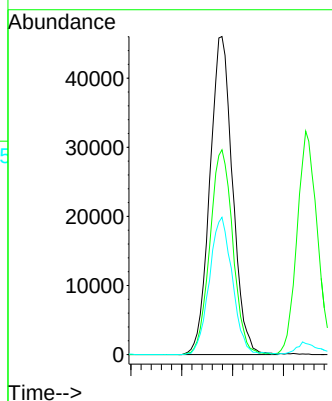
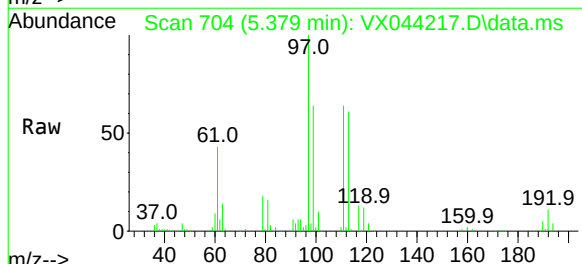
Tgt Ion: 97 Resp: 143108

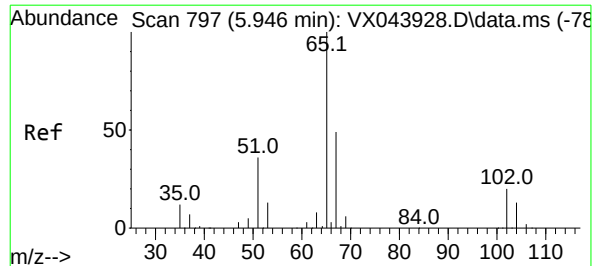
Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 43.5 35.4 53.2





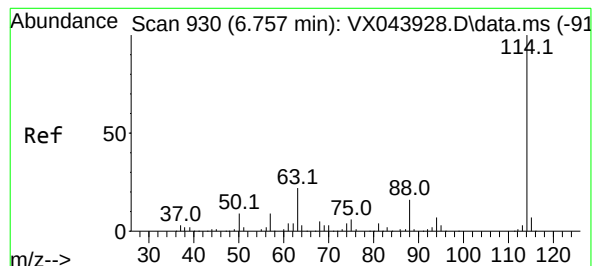
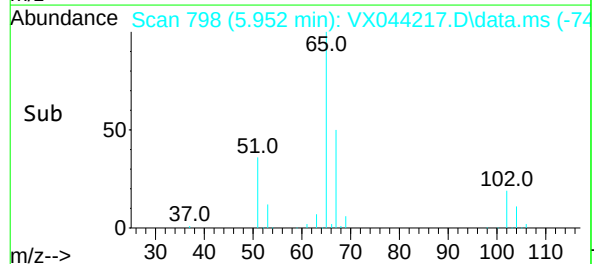
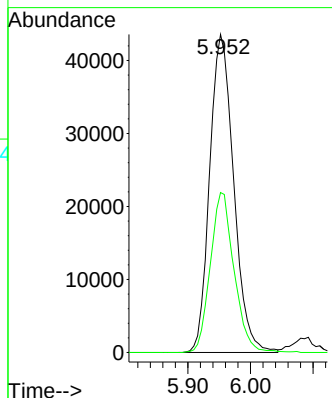
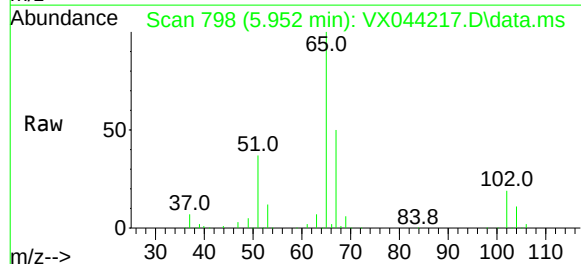
#33
1,2-Dichloroethane-d4
Concen: 53.240 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 116097
Ion Ratio Lower Upper
65 100
67 49.7 0.0 100.8

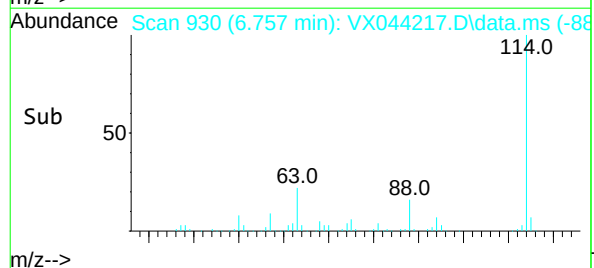
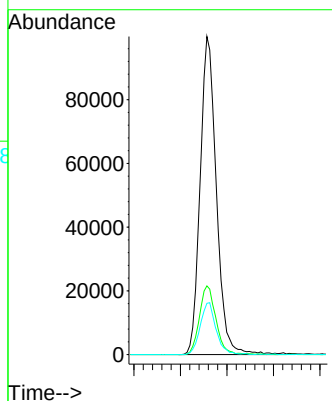
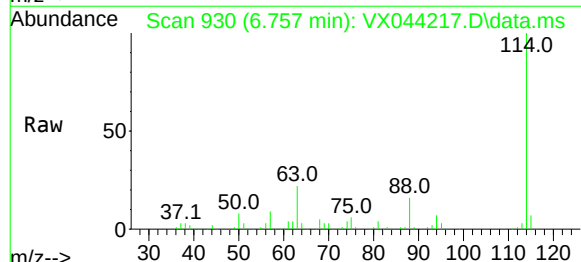
Manual Integrations
APPROVED

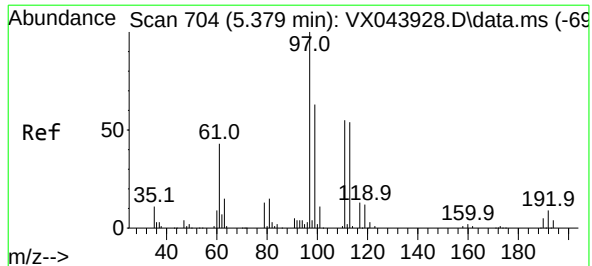
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:114 Resp: 242423
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.0
88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.124 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

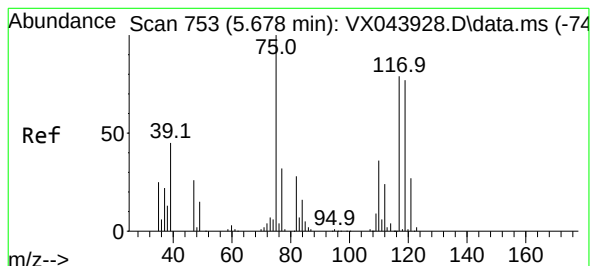
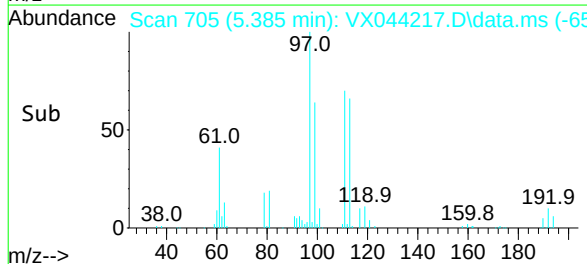
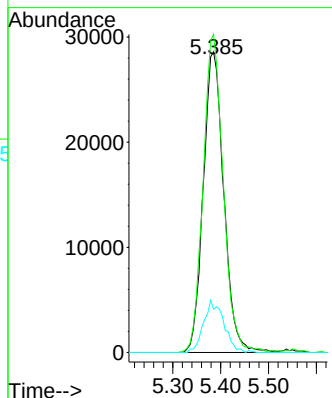
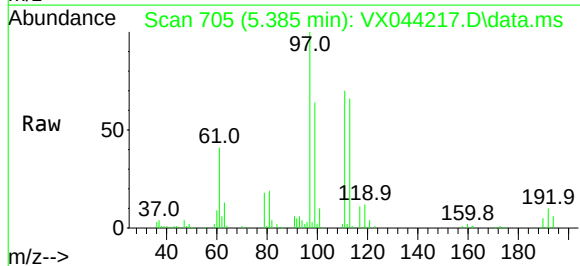
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	85094
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.0	121.4
192	17.0	13.0	19.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#36

1,1-Dichloropropene

Concen: 45.995 ug/l

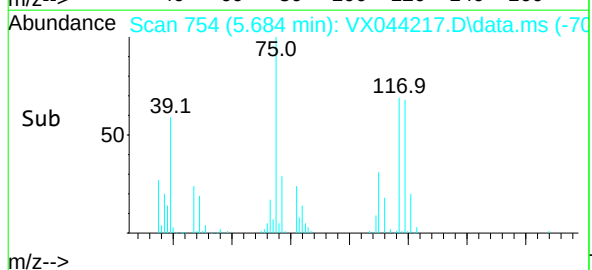
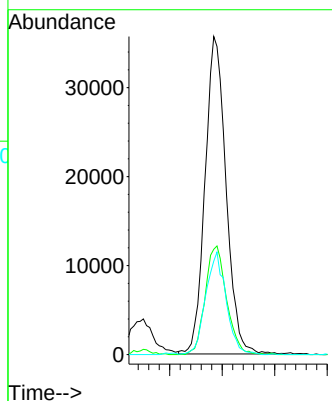
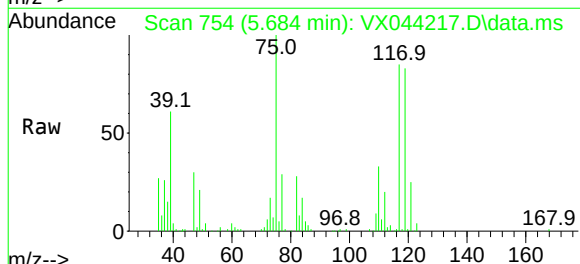
RT: 5.684 min Scan# 754

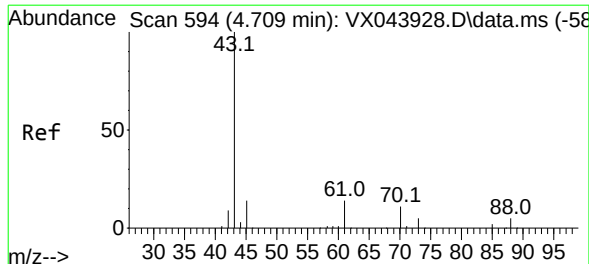
Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion:	75	Resp:	99283
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.5	25.8	38.8





#37

Ethyl Acetate

Concen: 49.549 ug/l

RT: 4.721 min Scan# 59

Delta R.T. 0.012 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 132767

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

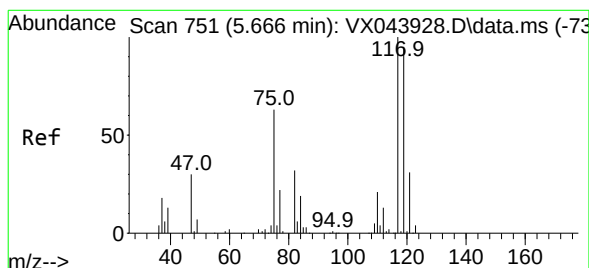
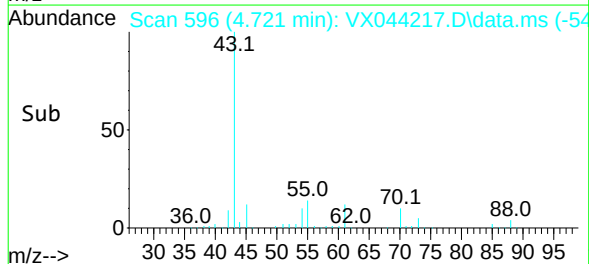
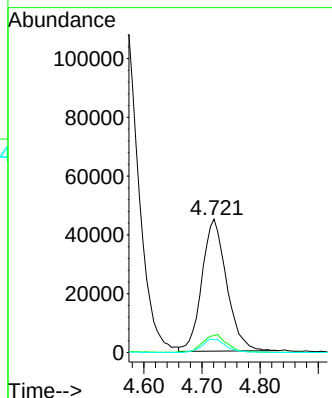
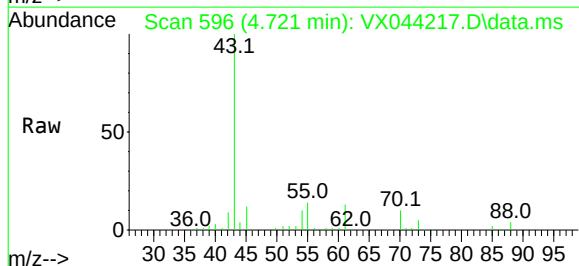
70 9.8 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#38

Carbon Tetrachloride

Concen: 46.595 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

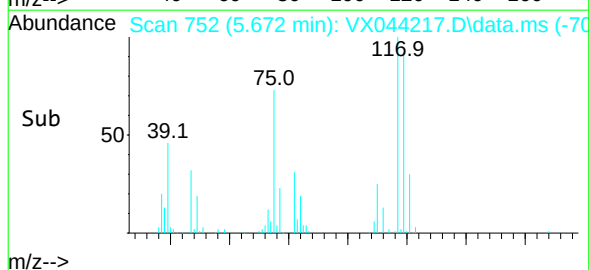
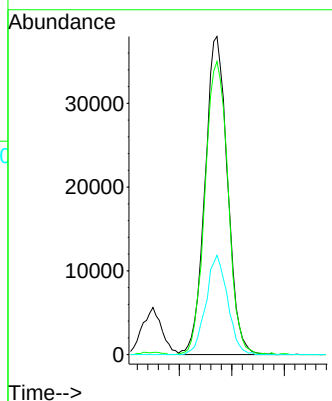
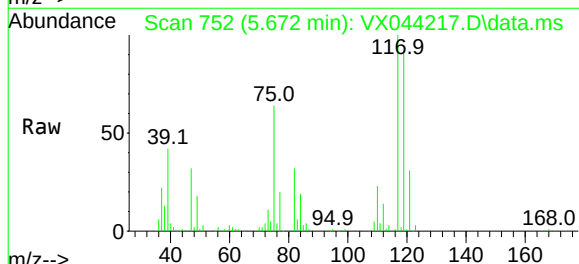
Tgt Ion:117 Resp: 113013

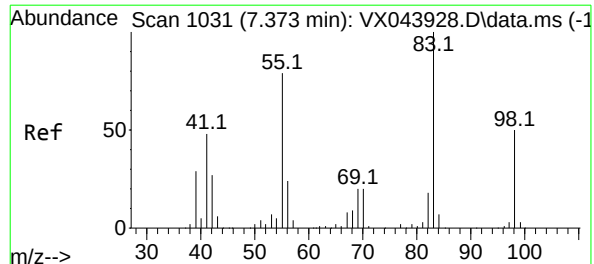
Ion Ratio Lower Upper

117 100

119 92.1 75.2 112.8

121 31.2 24.5 36.7





#39

Methylcyclohexane

Concen: 42.624 ug/l

RT: 7.373 min Scan# 10

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 119528

Ion Ratio Lower Upper

83 100

55 74.0 63.1 94.7

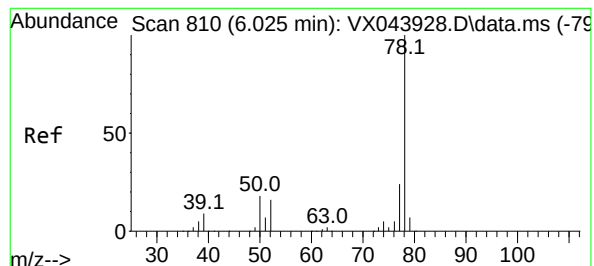
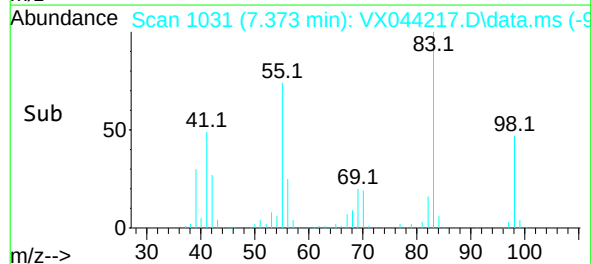
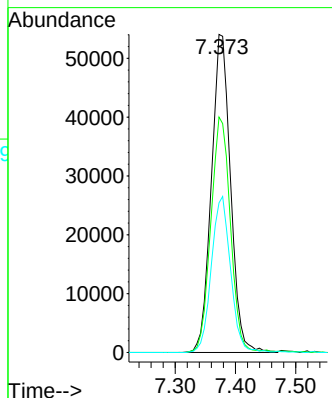
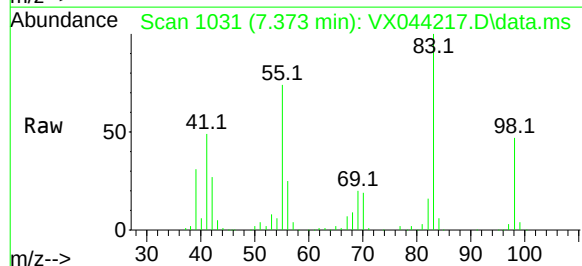
98 47.0 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#40

Benzene

Concen: 46.428 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044217.D

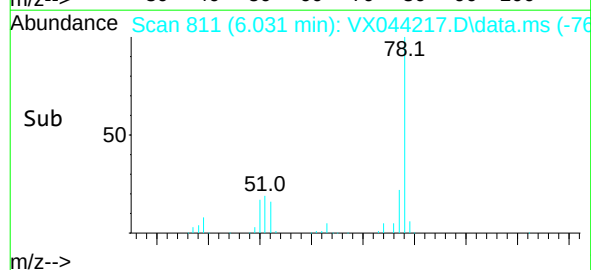
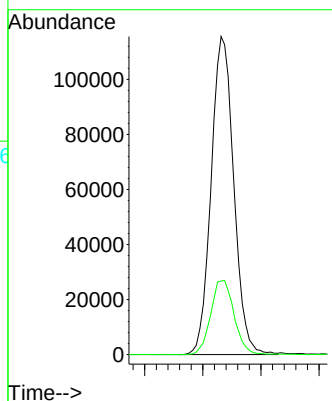
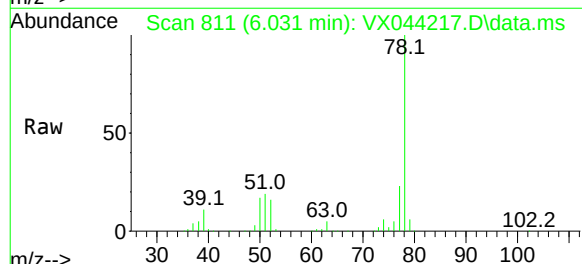
Acq: 10 Dec 2024 18:44

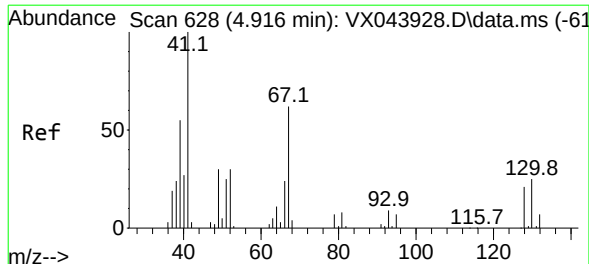
Tgt Ion: 78 Resp: 312174

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8





#41

Methacrylonitrile

Concen: 50.743 ug/l

RT: 4.928 min Scan# 63

Delta R.T. 0.012 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 69589

Ion Ratio Lower Upper

41 100

39 61.3 41.7 62.5

67 69.5 55.8 83.8

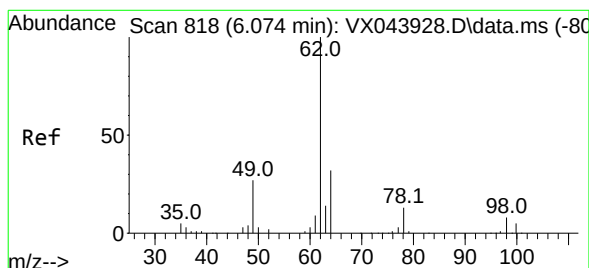
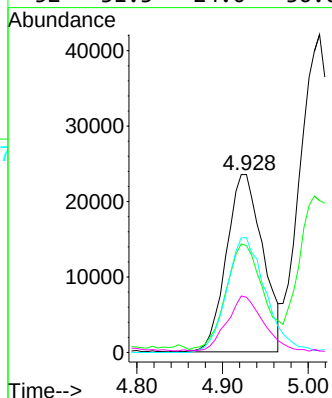
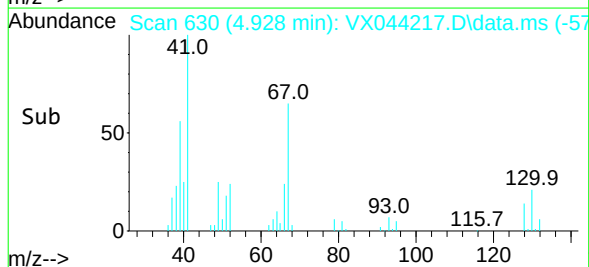
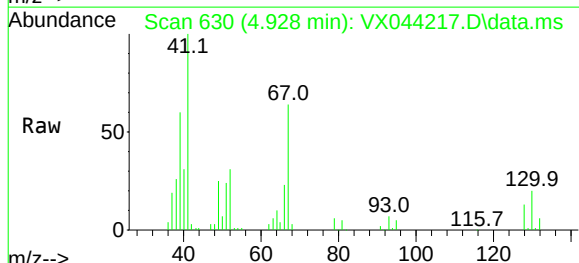
52 31.3 24.0 36.0

Manual Integrations

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Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#42

1,2-Dichloroethane

Concen: 49.283 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.012 min

Lab File: VX044217.D

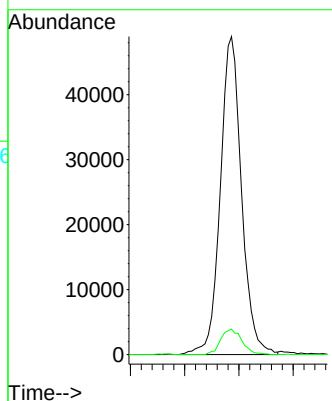
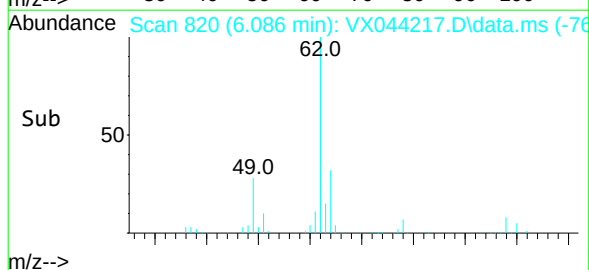
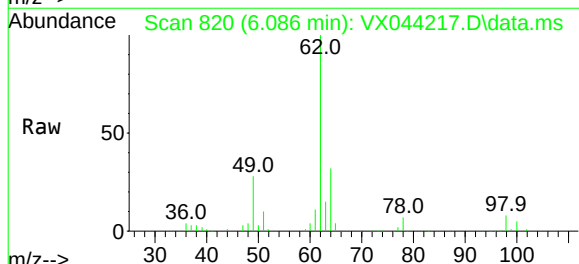
Acq: 10 Dec 2024 18:44

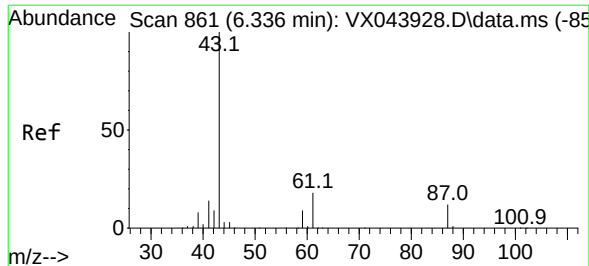
Tgt Ion: 62 Resp: 133086

Ion Ratio Lower Upper

62 100

98 8.0 0.0 16.4





#43

Isopropyl Acetate

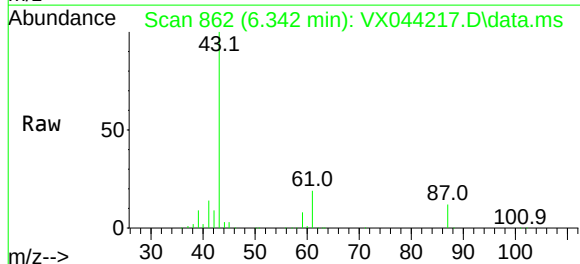
Concen: 51.122 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX044217.D

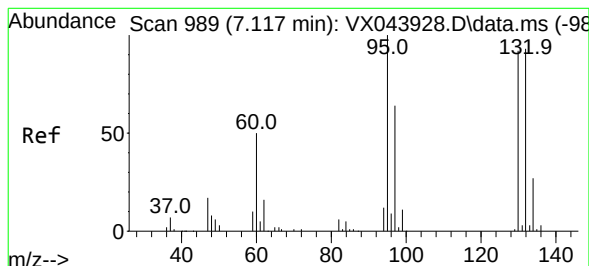
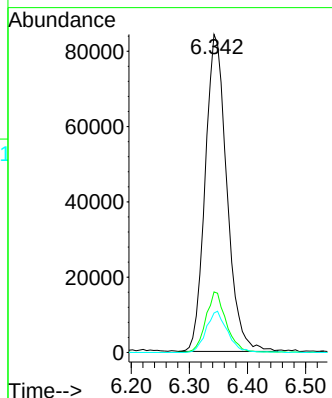
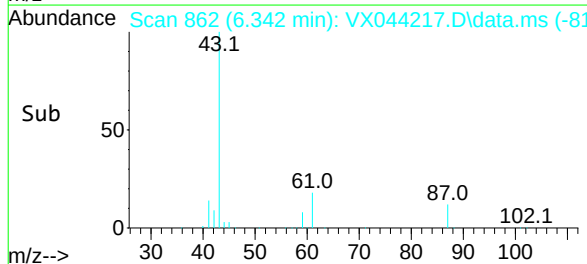
Acq: 10 Dec 2024 18:44



Tgt Ion:	43	Resp:	217997
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	12.8	10.2	15.2

Manual Integrations
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Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#44

Trichloroethene

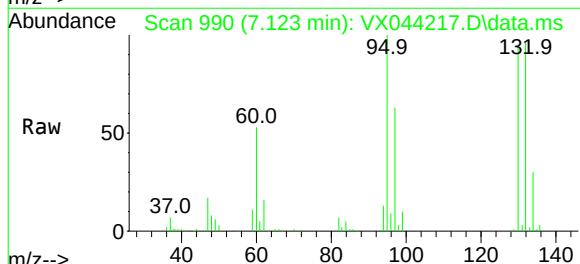
Concen: 40.071 ug/l

RT: 7.123 min Scan# 990

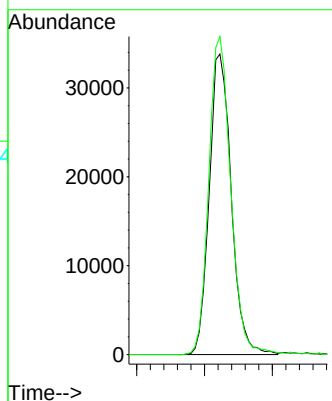
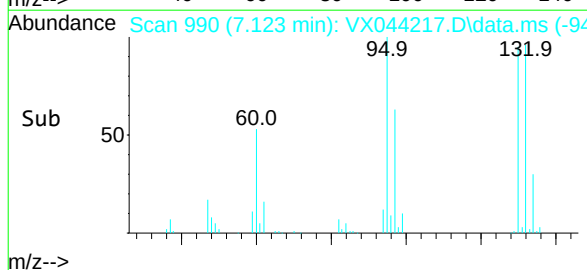
Delta R.T. 0.006 min

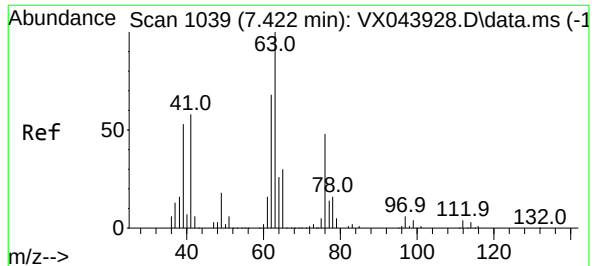
Lab File: VX044217.D

Acq: 10 Dec 2024 18:44



Tgt Ion:	130	Resp:	76272
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	217.8





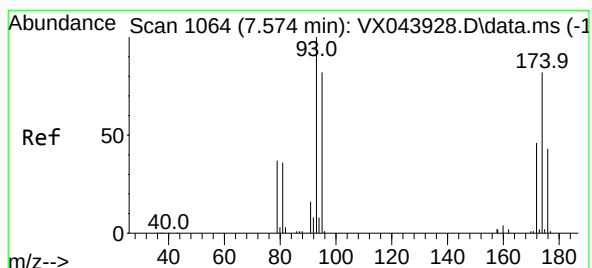
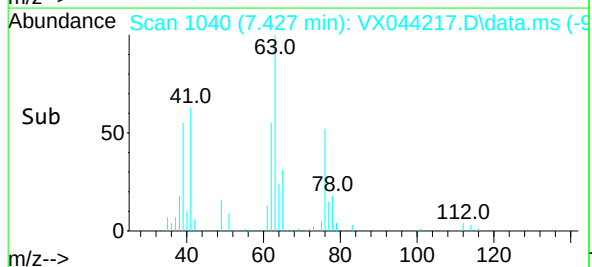
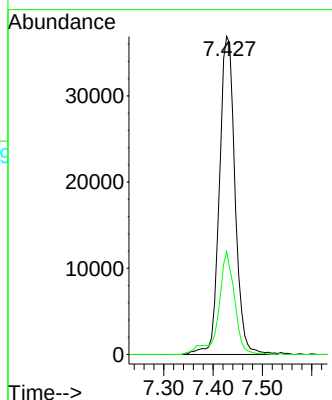
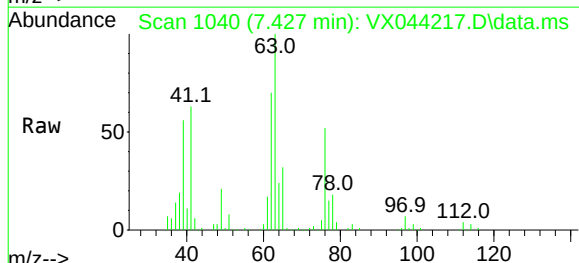
#45
1,2-Dichloropropane
Concen: 49.418 ug/l
RT: 7.427 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 81383
Ion Ratio Lower Upper
63 100
65 32.3 23.8 35.6

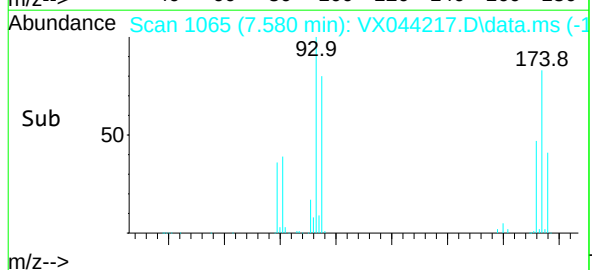
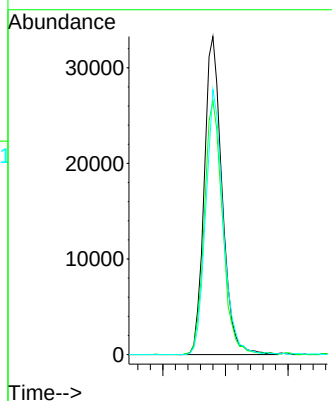
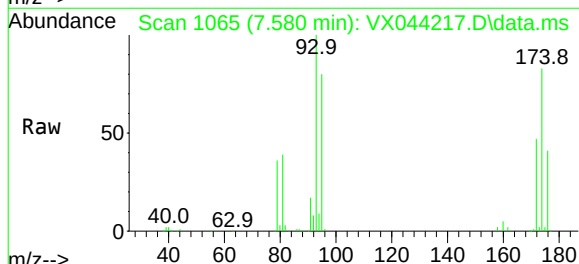
Manual Integrations
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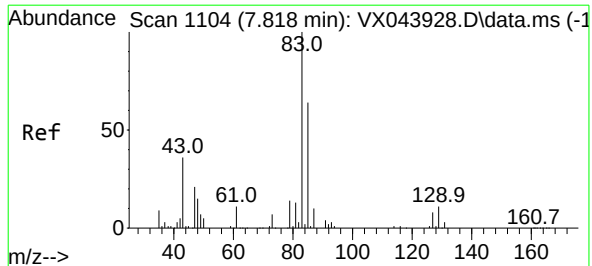
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#46
Dibromomethane
Concen: 50.501 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 93 Resp: 65788
Ion Ratio Lower Upper
93 100
95 81.5 66.2 99.4
174 81.5 69.6 104.4





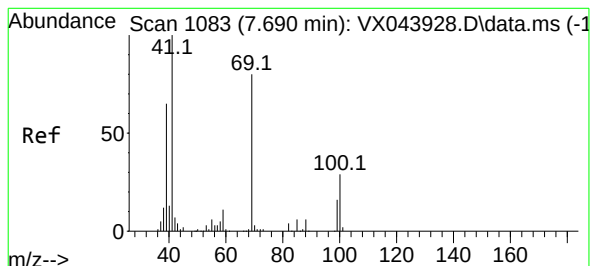
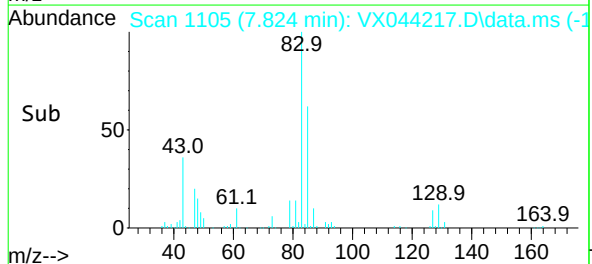
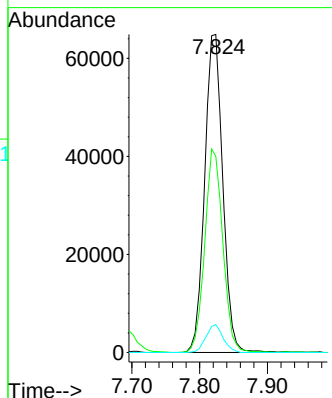
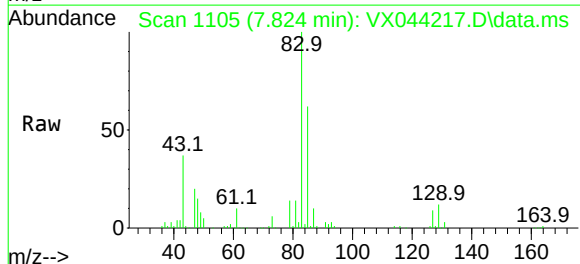
#47
Bromodichloromethane
Concen: 51.522 ug/l
RT: 7.824 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 120375
Ion Ratio Lower Upper
83 100
85 61.7 51.4 77.0
127 8.8 6.6 10.0

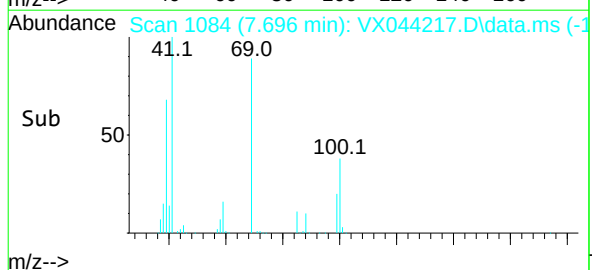
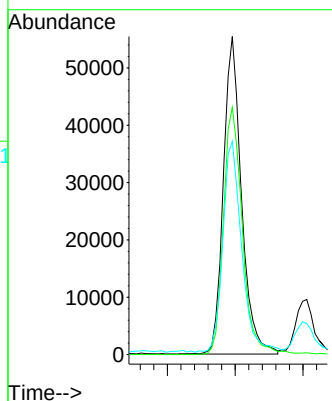
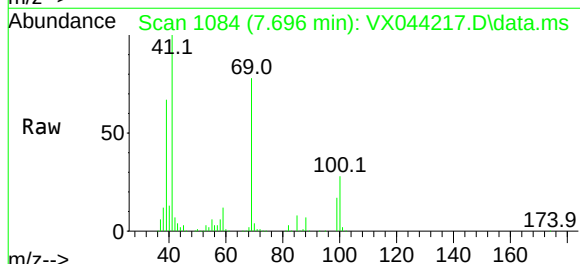
Manual Integrations
APPROVED

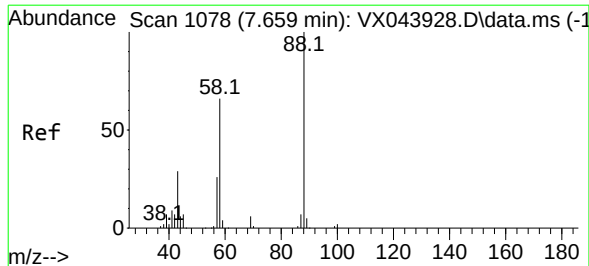
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#48
Methyl methacrylate
Concen: 50.075 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 41 Resp: 102462
Ion Ratio Lower Upper
41 100
69 81.8 64.6 97.0
39 68.8 53.3 79.9





#49

1,4-Dioxane

Concen: 846.622 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 30858

Ion Ratio Lower Upper

88 100

43 46.1 26.8 40.2#

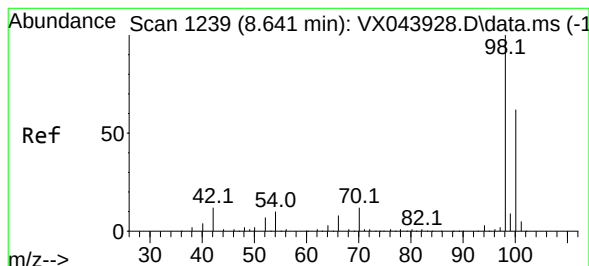
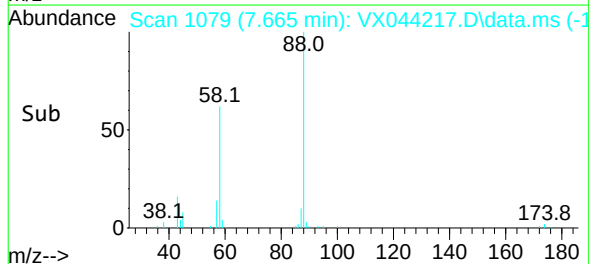
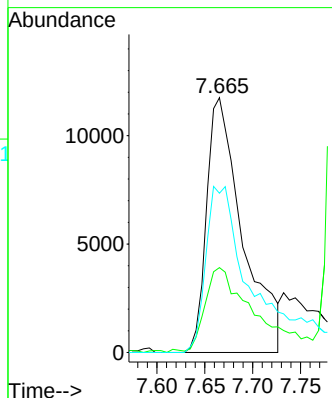
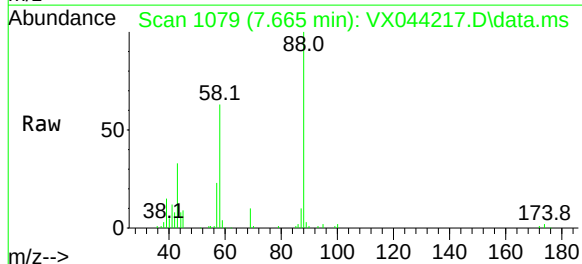
58 86.7 45.4 68.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#50

Toluene-d8

Concen: 47.129 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044217.D

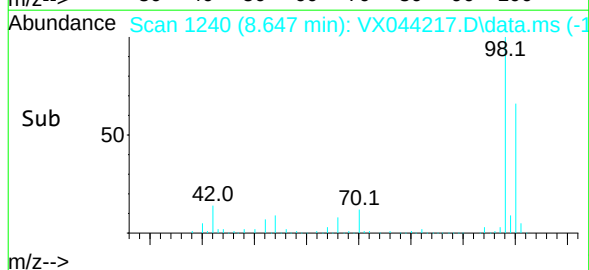
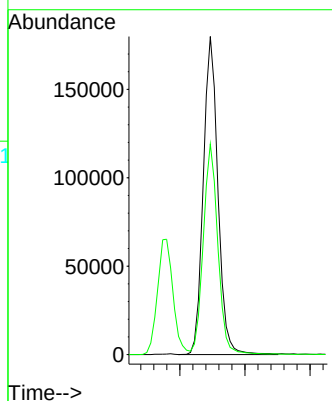
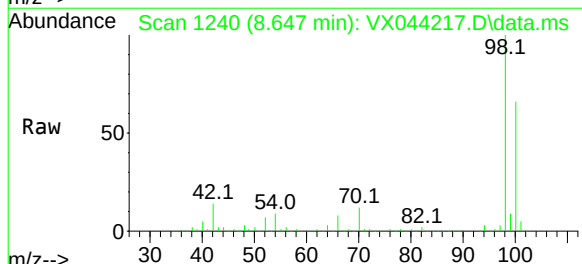
Acq: 10 Dec 2024 18:44

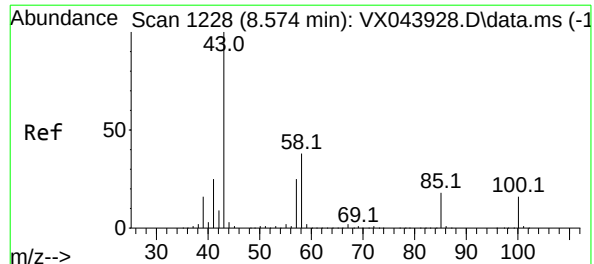
Tgt Ion: 98 Resp: 281415

Ion Ratio Lower Upper

98 100

100 65.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 276.463 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 719431

Ion Ratio Lower Upper

43 100

58 36.8 30.0 45.0

Instrument :

MSVOA_X

ClientSampleId :

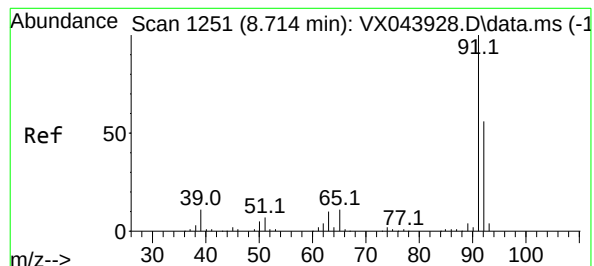
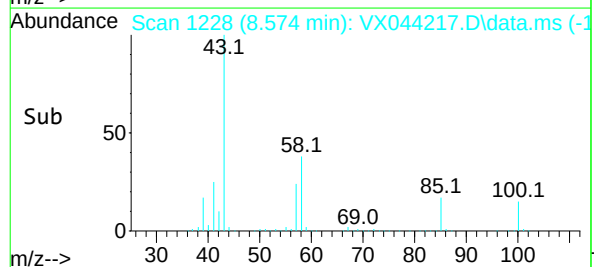
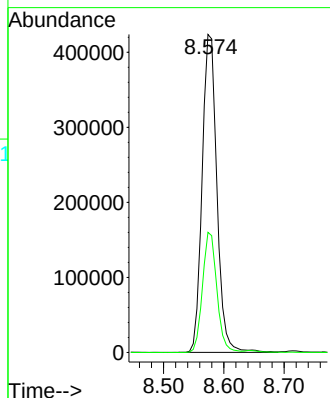
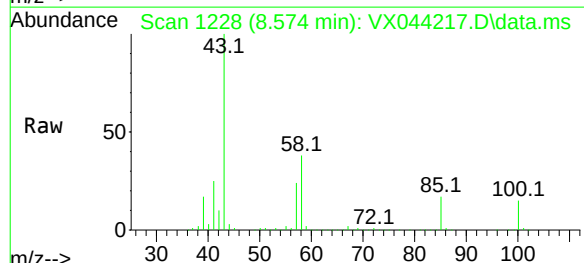
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#52

Toluene

Concen: 49.112 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044217.D

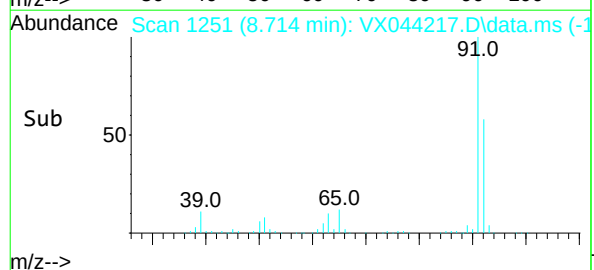
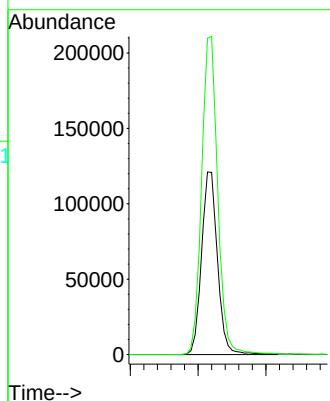
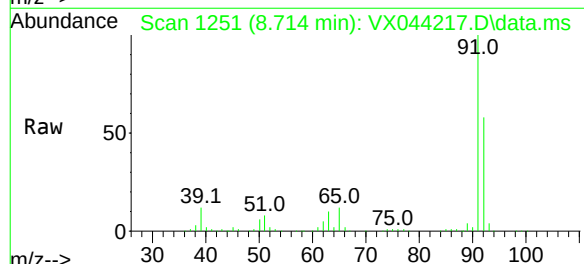
Acq: 10 Dec 2024 18:44

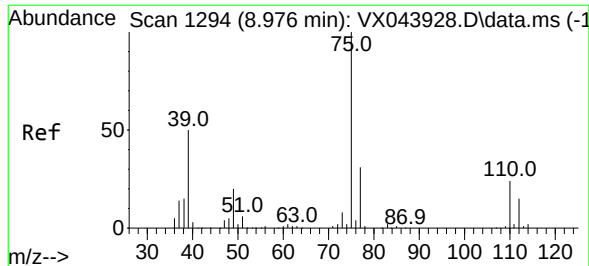
Tgt Ion: 92 Resp: 197647

Ion Ratio Lower Upper

92 100

91 176.1 139.7 209.5





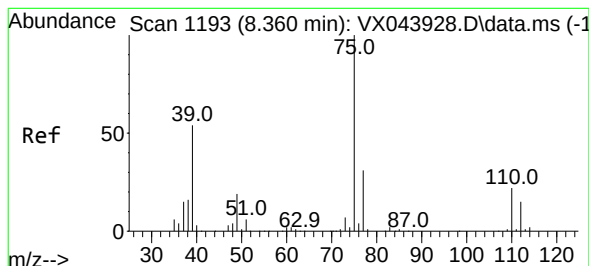
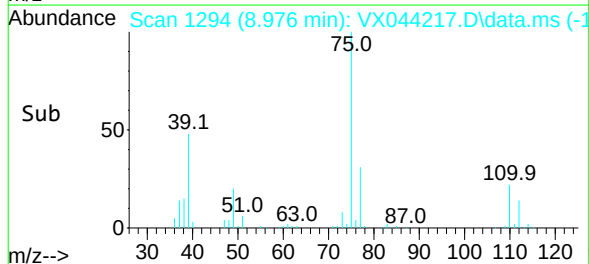
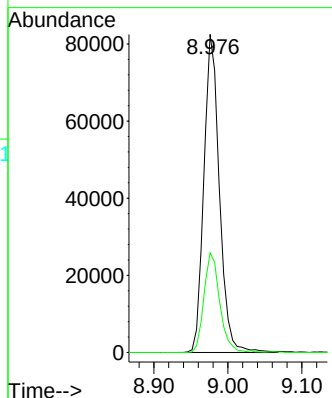
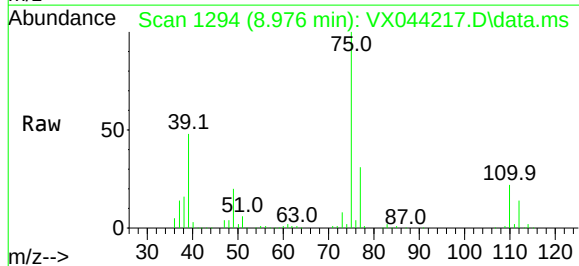
#53
t-1,3-Dichloropropene
Concen: 50.525 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 120376
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

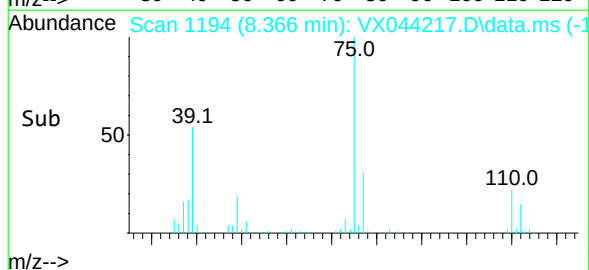
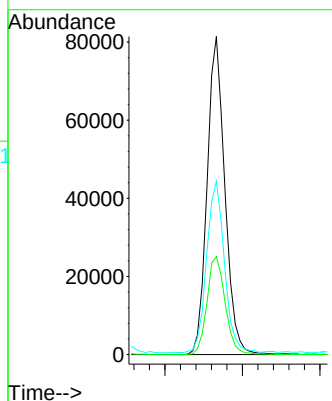
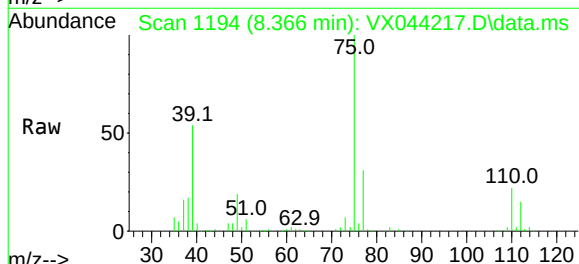
Manual Integrations
APPROVED

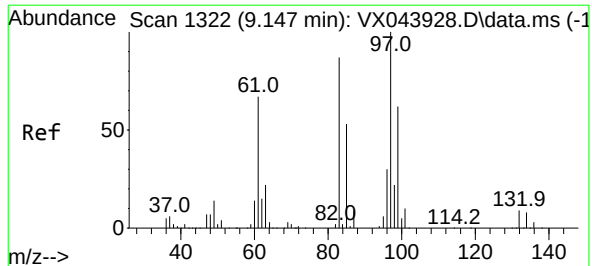
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#54
cis-1,3-Dichloropropene
Concen: 49.583 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 129505
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 53.8 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 51.024 ug/l
RT: 9.153 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

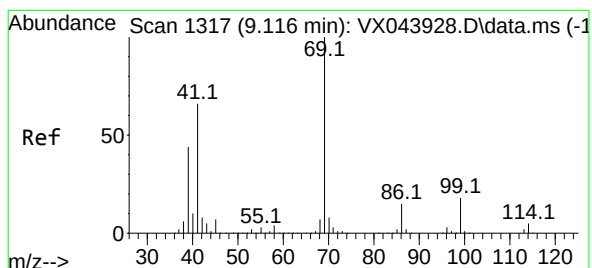
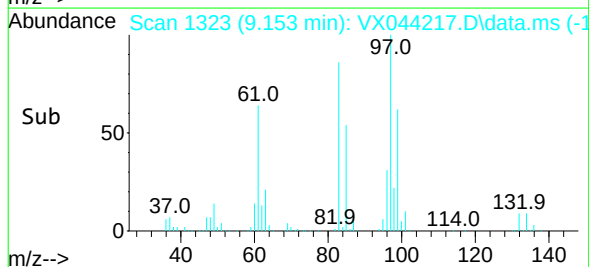
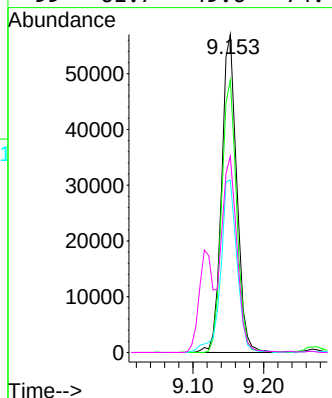
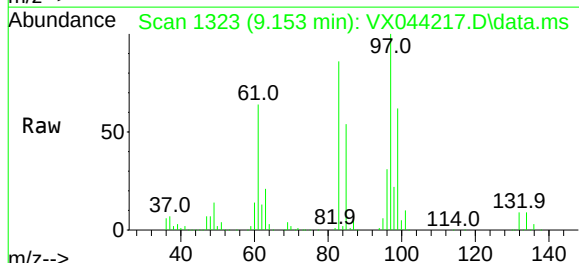
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.4	104.0
85	54.2	42.3	63.5
99	61.7	49.6	74.4

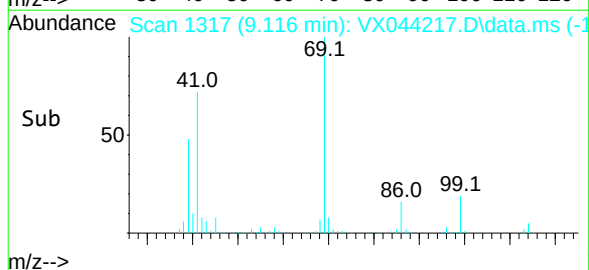
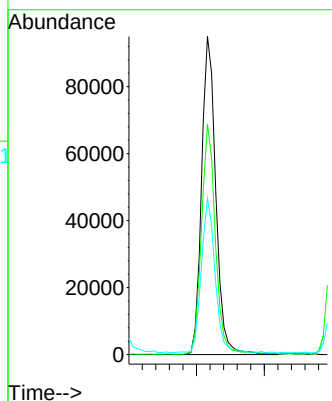
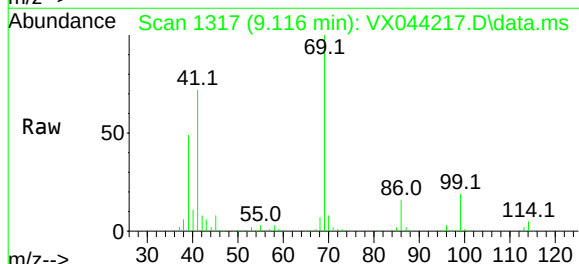
Manual Integrations
APPROVED

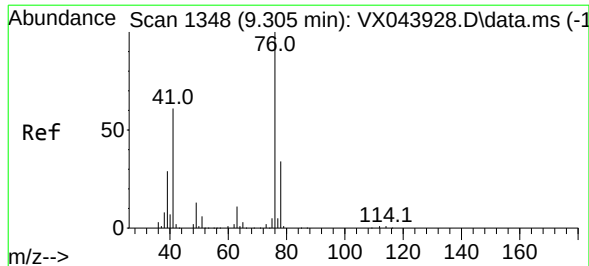
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#56
Ethyl methacrylate
Concen: 53.395 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

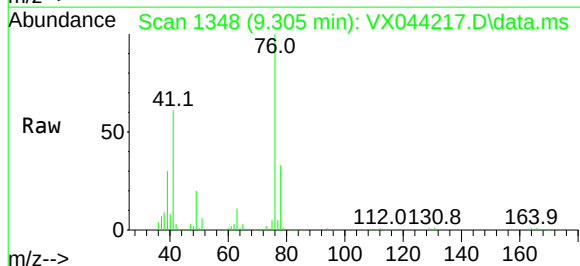
Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.8	83.8
39	47.1	36.7	55.1





#57
1,3-Dichloropropane
Concen: 50.557 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

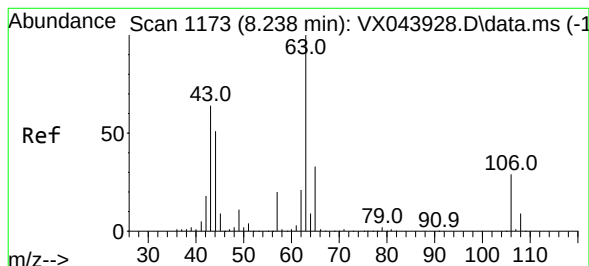
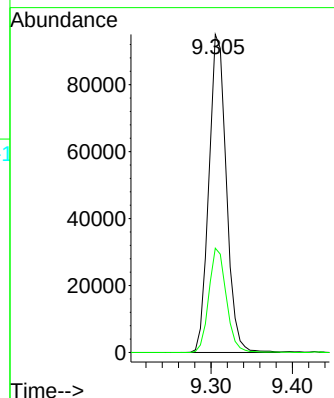
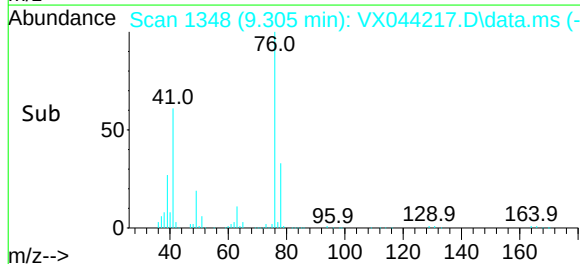
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 141482
Ion Ratio Lower Upper
76 100
78 32.9 26.0 39.0

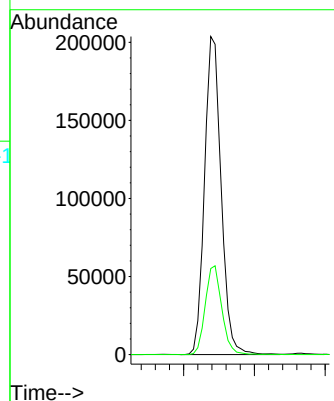
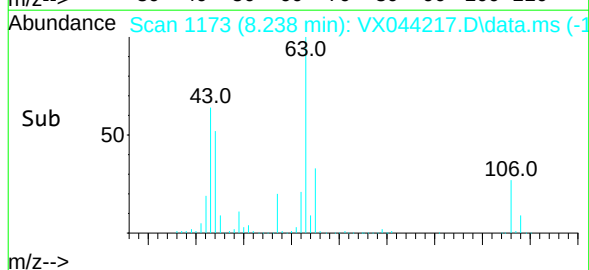
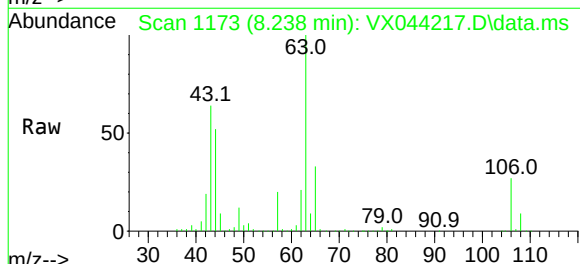
Manual Integrations
APPROVED

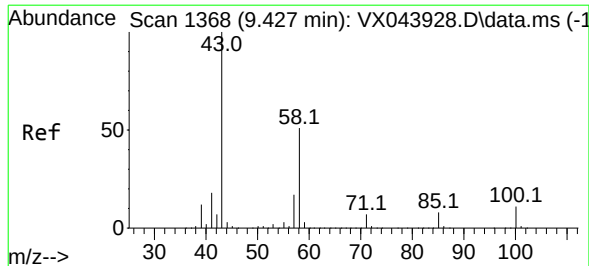
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#58
2-Chloroethyl Vinyl ether
Concen: 234.142 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 63 Resp: 332302
Ion Ratio Lower Upper
63 100
106 27.8 23.0 34.6





#59

2-Hexanone

Concen: 275.412 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 538686

Ion Ratio Lower Upper

43 100

58 50.8 25.9 77.6

Instrument :

MSVOA_X

ClientSampleId :

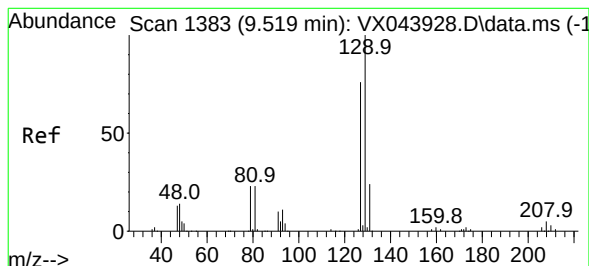
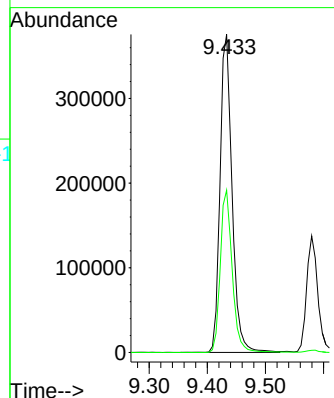
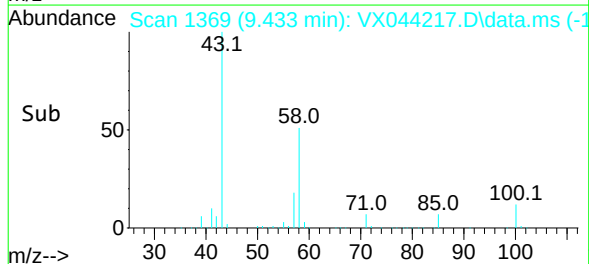
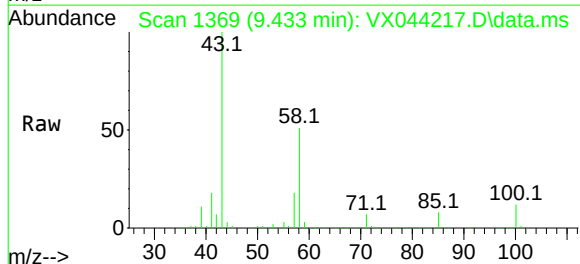
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#60

Dibromochloromethane

Concen: 52.109 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044217.D

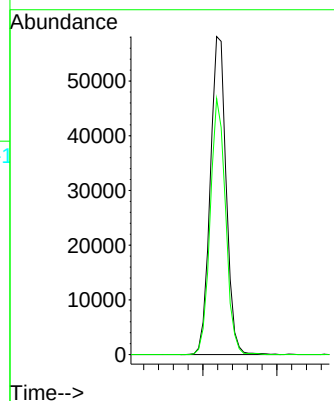
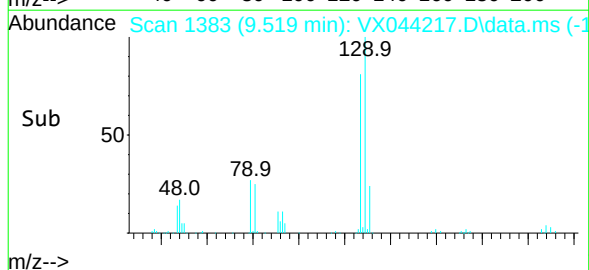
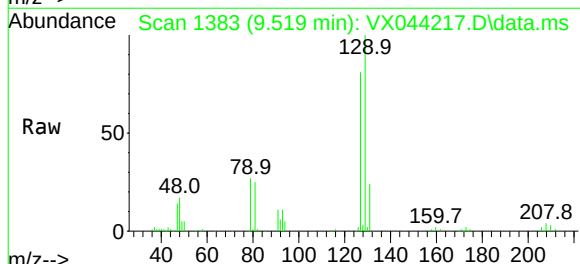
Acq: 10 Dec 2024 18:44

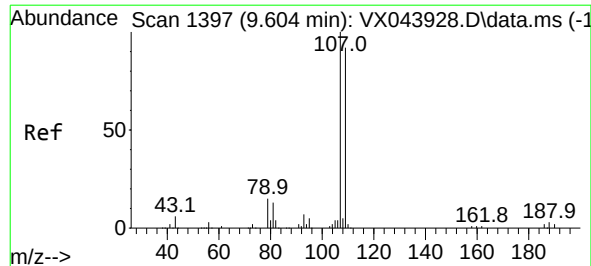
Tgt Ion:129 Resp: 86855

Ion Ratio Lower Upper

129 100

127 77.7 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.266 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:107 Resp: 87795

Ion Ratio Lower Upper

107 100

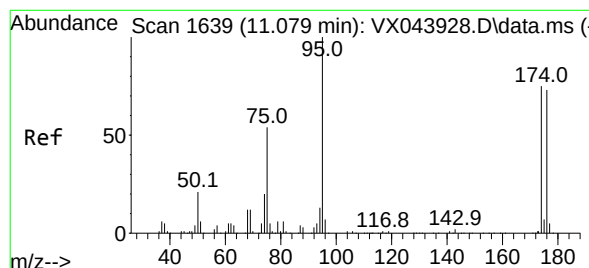
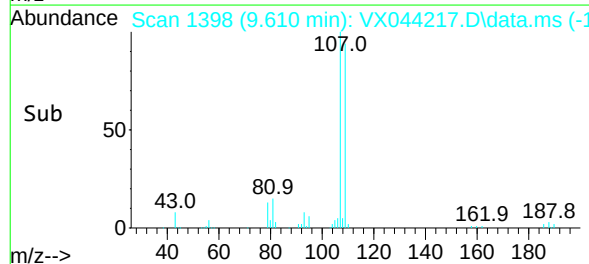
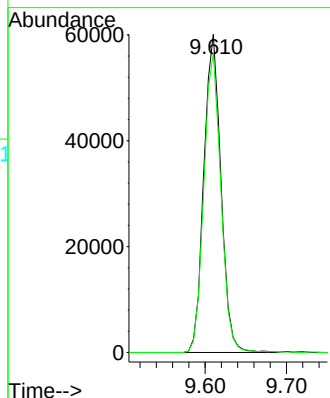
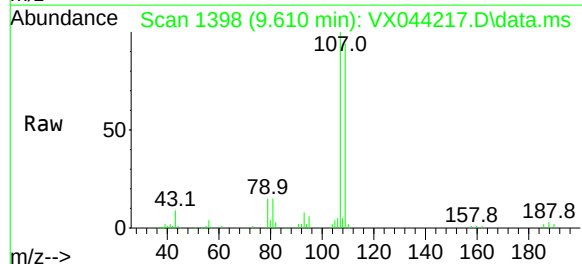
109 94.2 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#62

4-Bromofluorobenzene

Concen: 51.003 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

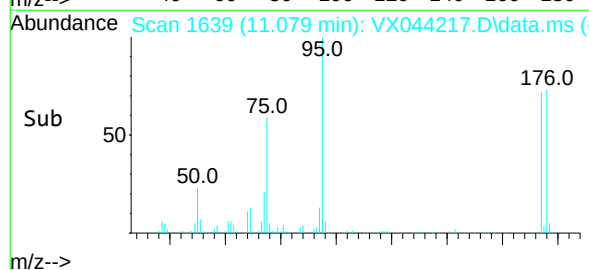
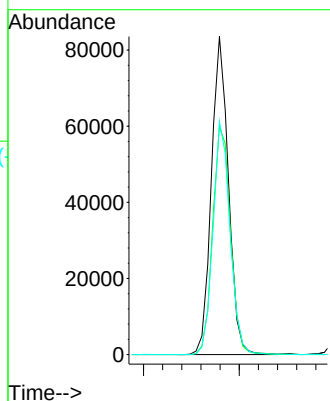
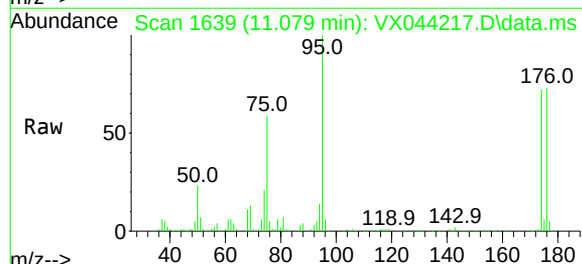
Tgt Ion: 95 Resp: 103646

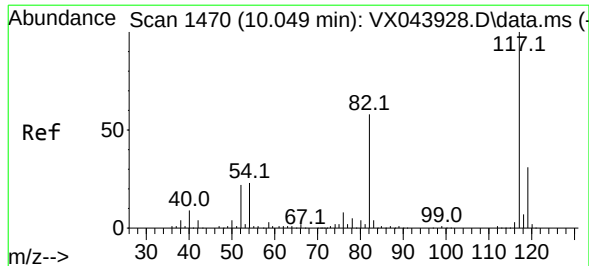
Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

176 72.8 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:117 Resp: 208962

Ion Ratio Lower Upper

117 100

82 60.1 46.4 69.6

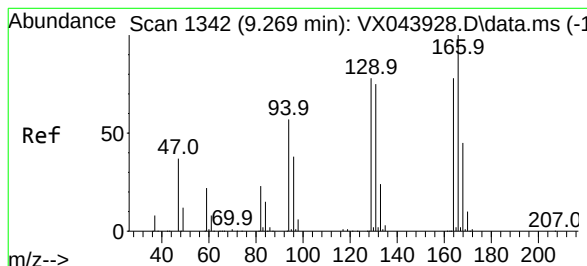
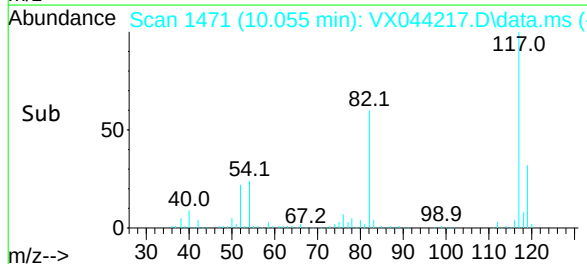
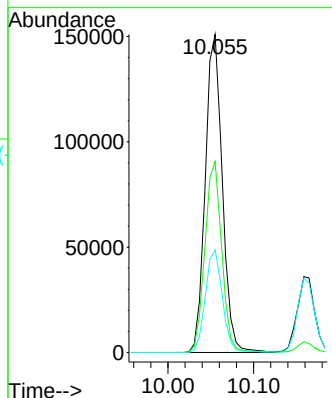
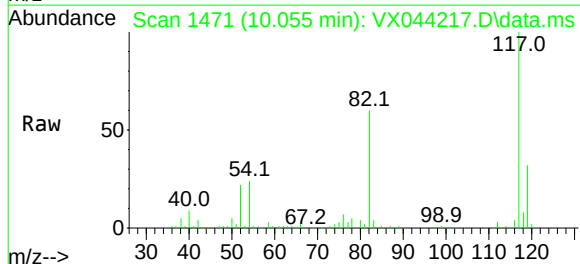
119 32.3 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#64

Tetrachloroethene

Concen: 46.869 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion:164 Resp: 64579

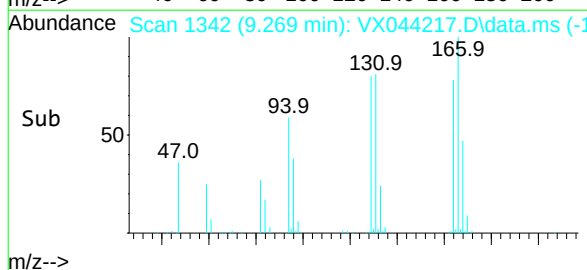
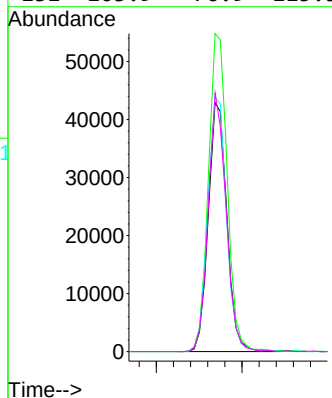
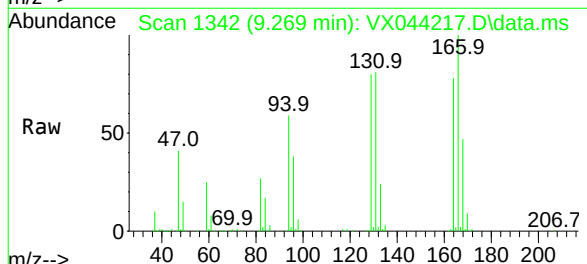
Ion Ratio Lower Upper

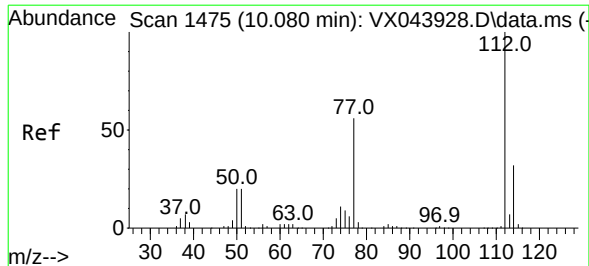
164 100

166 127.8 102.1 153.1

129 102.4 79.6 119.4

131 103.9 76.9 115.3





#65

Chlorobenzene

Concen: 48.841 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 224152

Ion Ratio Lower Upper

112 100

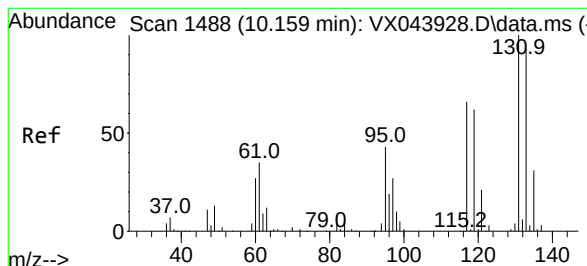
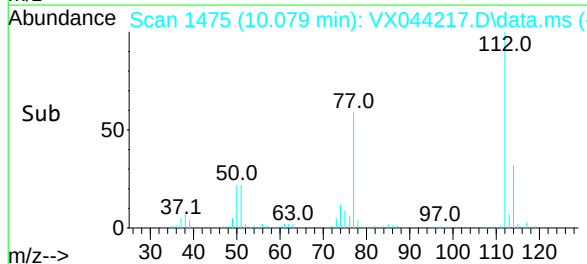
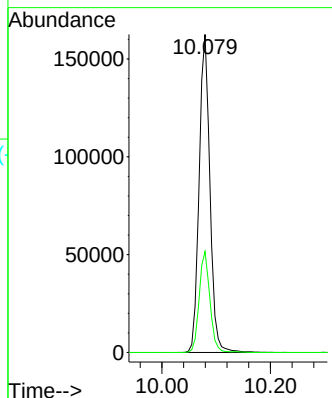
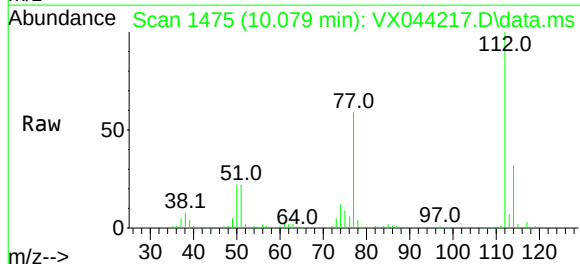
114 31.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 52.085 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

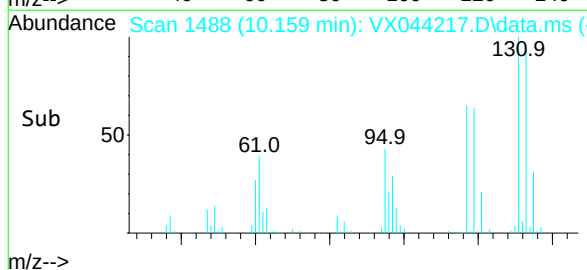
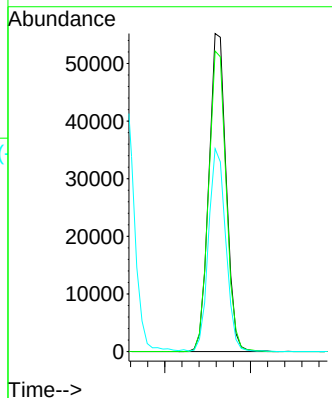
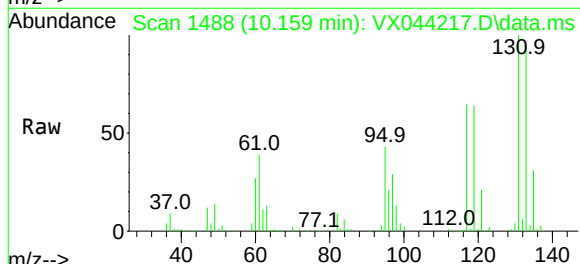
Tgt Ion:131 Resp: 77524

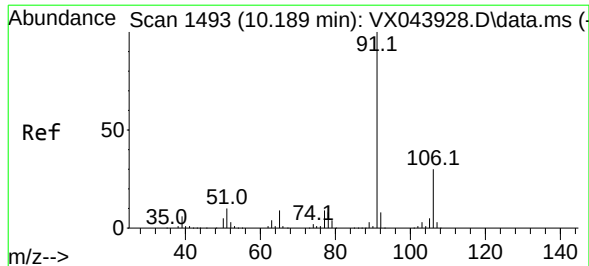
Ion Ratio Lower Upper

131 100

133 95.6 48.2 144.6

119 63.5 31.5 94.5





#67

Ethyl Benzene

Concen: 50.145 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 389963

Ion Ratio Lower Upper

91 100

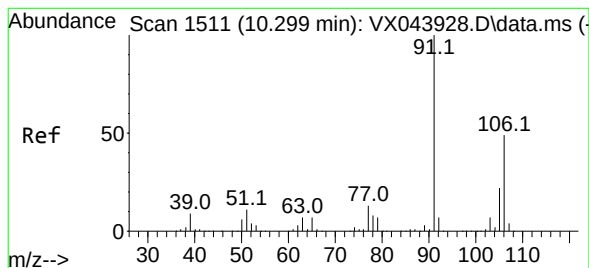
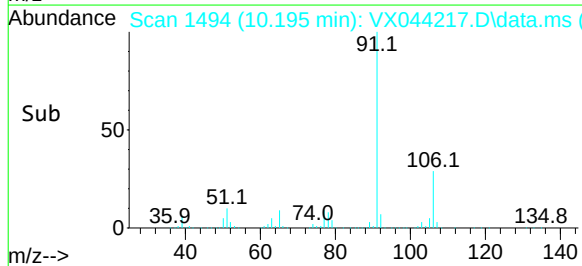
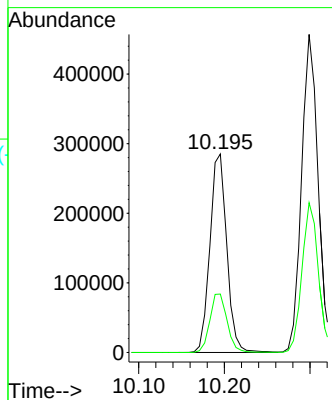
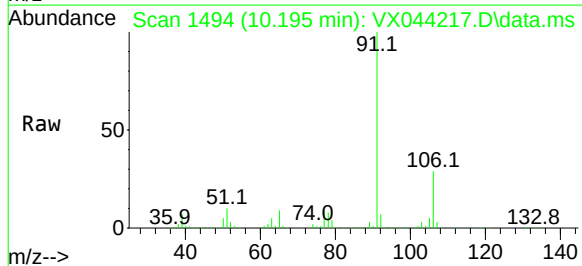
106 29.4 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#68

m/p-Xylenes

Concen: 98.868 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044217.D

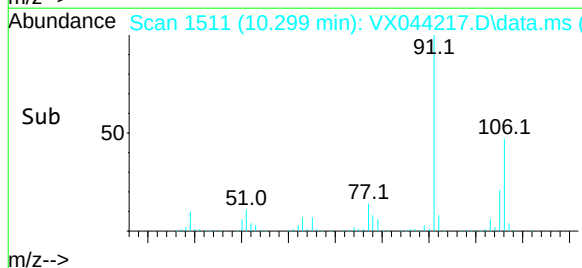
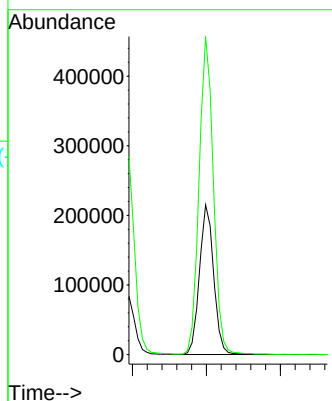
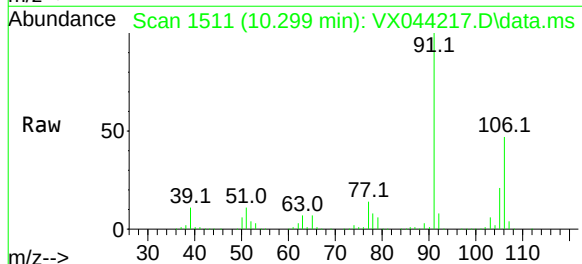
Acq: 10 Dec 2024 18:44

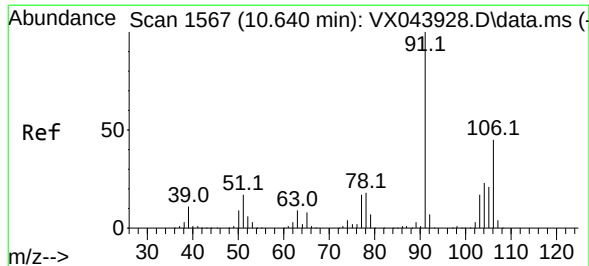
Tgt Ion:106 Resp: 286729

Ion Ratio Lower Upper

106 100

91 213.9 168.1 252.1





#69

o-Xylene

Concen: 51.522 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 145887

Ion Ratio Lower Upper

106 100

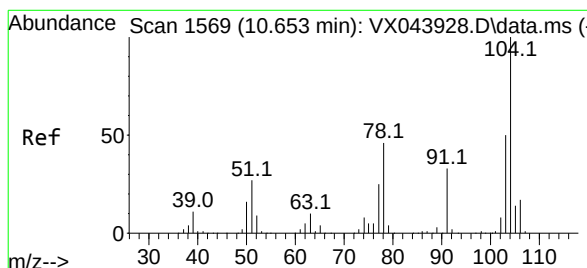
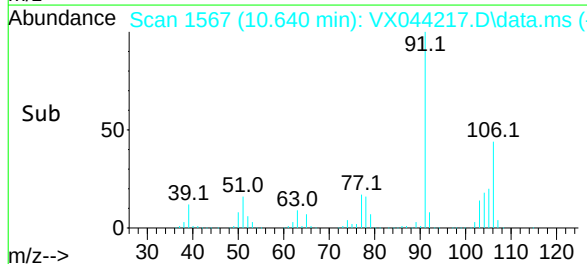
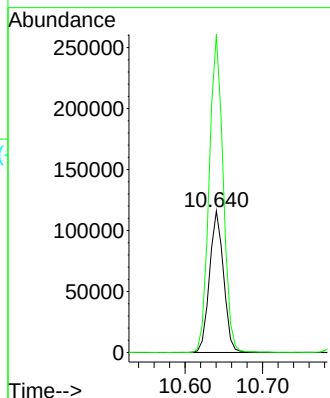
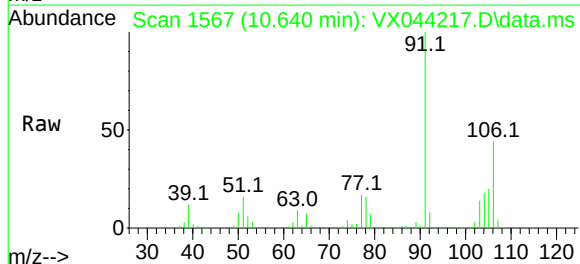
91 223.8 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#70

Styrene

Concen: 52.487 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

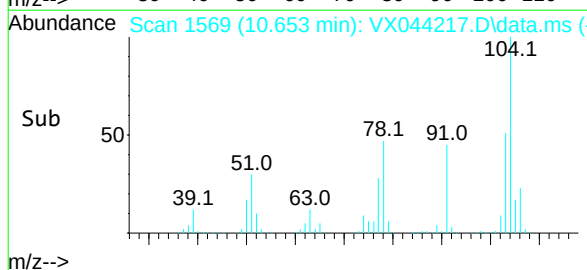
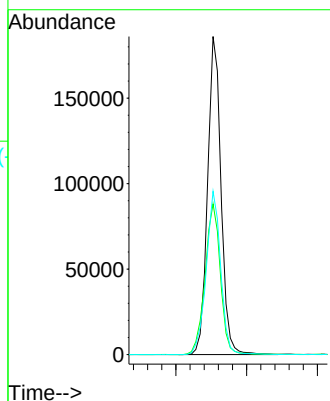
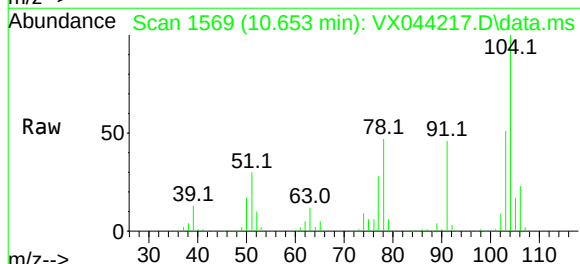
Tgt Ion:104 Resp: 245812

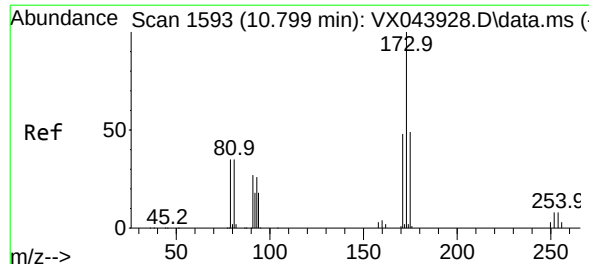
Ion Ratio Lower Upper

104 100

78 54.1 42.2 63.2

103 55.4 44.7 67.1





#71

Bromoform

Concen: 47.096 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

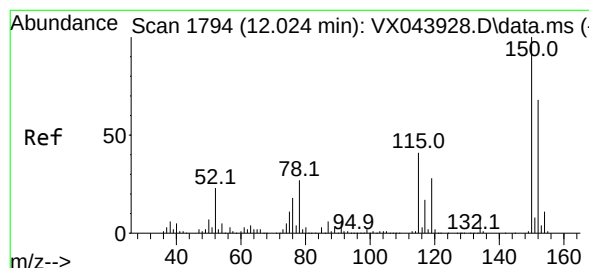
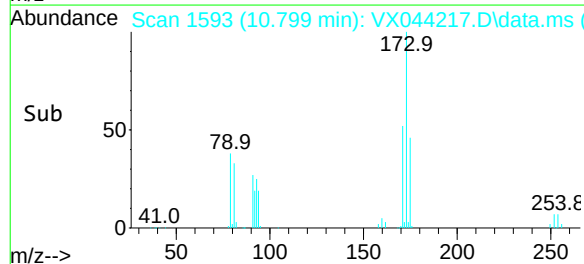
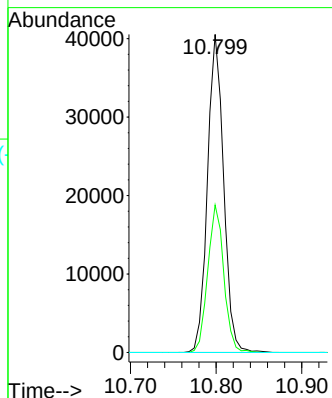
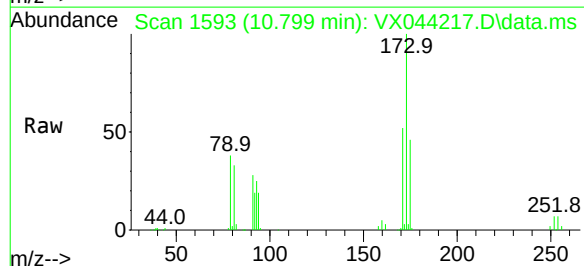
ClientSampleId :

VSTDCCC050EC

Tgt	Ion:173	Resp:	53014
Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

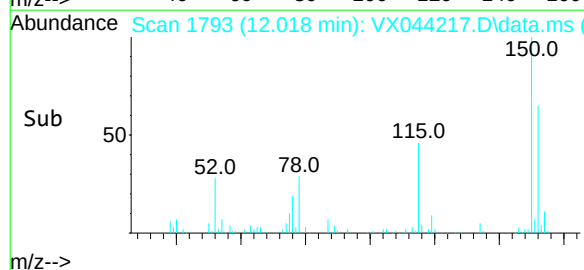
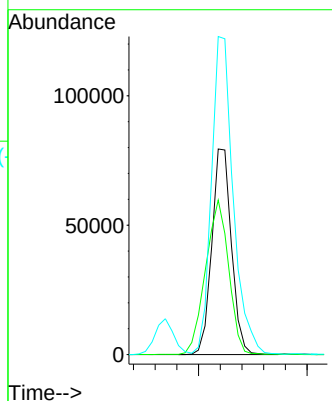
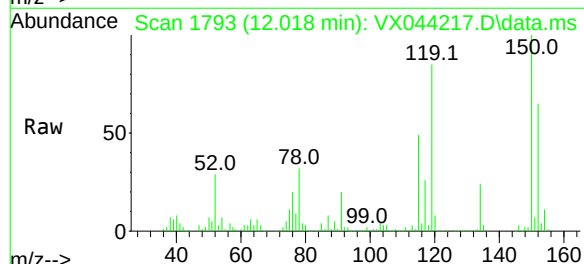
RT: 12.018 min Scan# 1793

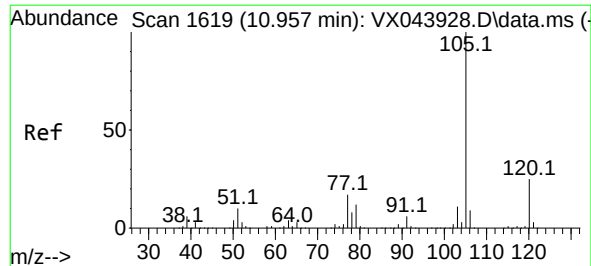
Delta R.T. -0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt	Ion:152	Resp:	99884
Ion	Ratio	Lower	Upper
152	100		
115	88.9	45.4	136.2
150	171.0	0.0	353.0





#73

Isopropylbenzene

Concen: 49.169 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion: 105 Resp: 377517

Ion Ratio Lower Upper

105 100

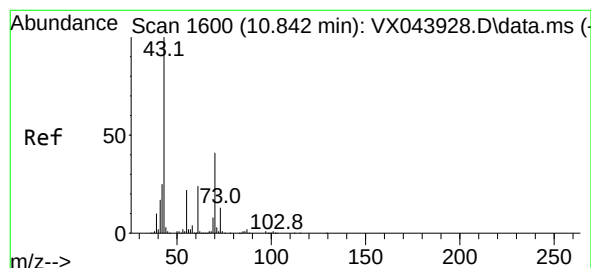
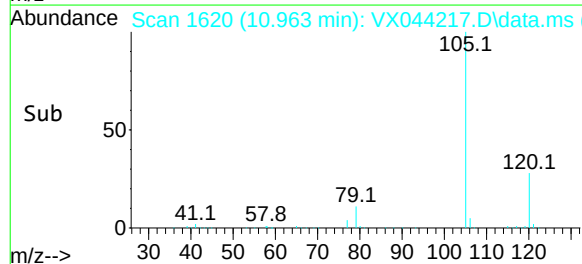
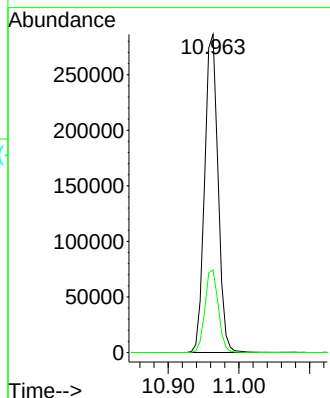
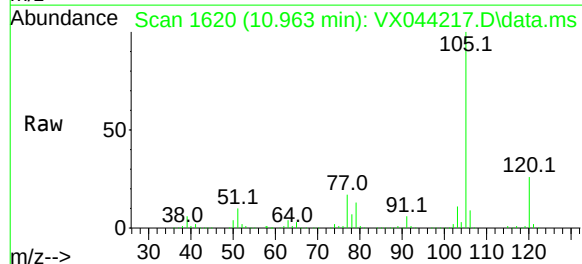
120 25.8 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#74

N-ethyl acetate

Concen: 54.137 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 192555

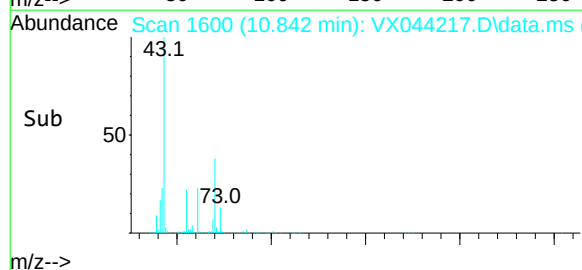
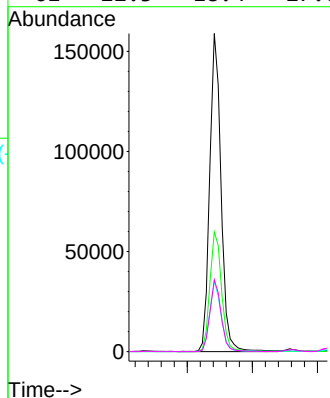
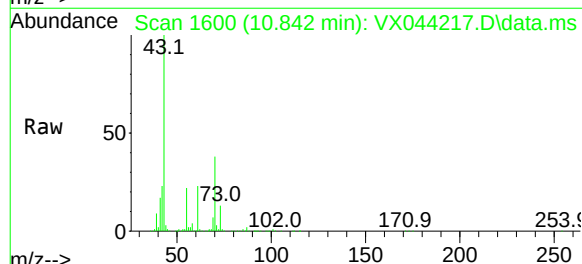
Ion Ratio Lower Upper

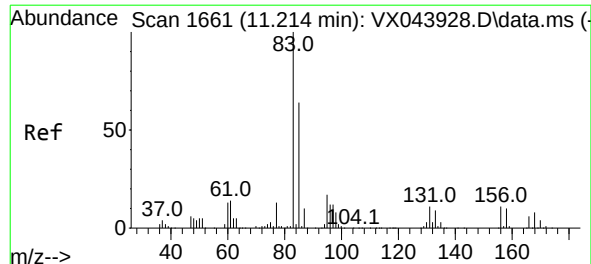
43 100

70 39.1 32.2 48.2

55 22.0 18.1 27.1

61 22.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.971 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

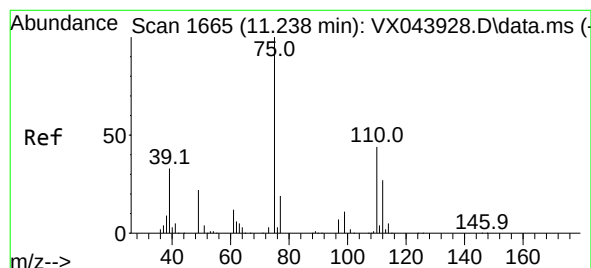
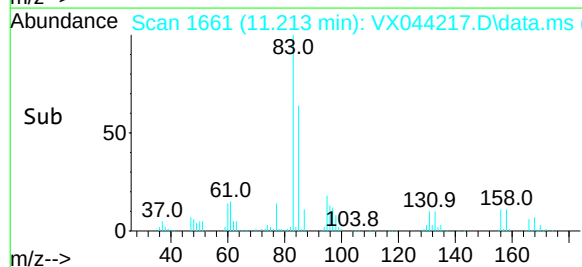
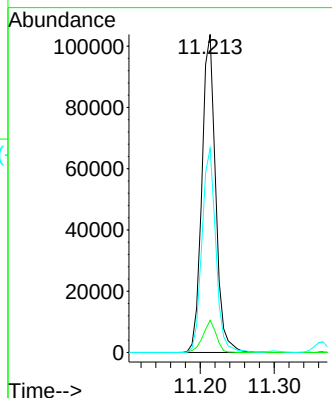
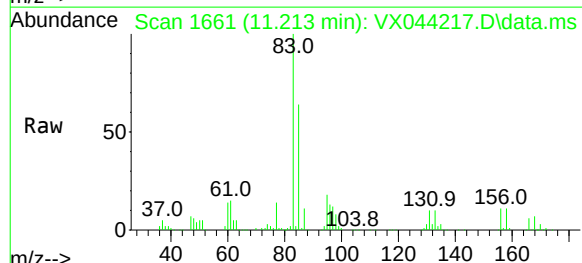
VSTDCCC050EC

Tgt Ion:	83	Resp:	134002
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.2
85	64.7	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#76

1,2,3-Trichloropropane

Concen: 51.183 ug/l m

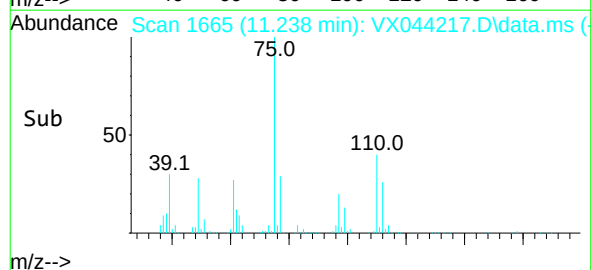
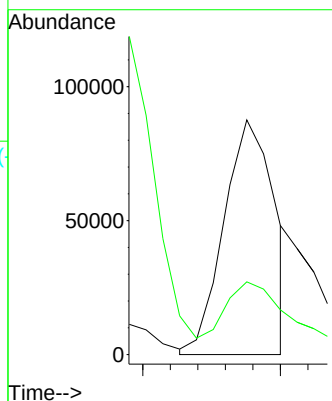
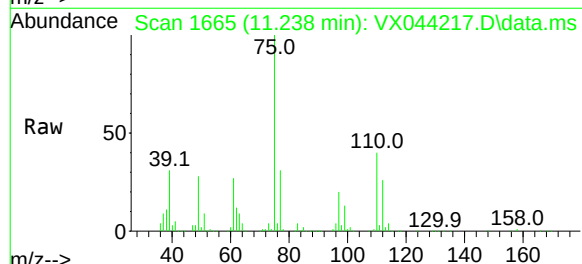
RT: 11.238 min Scan# 1665

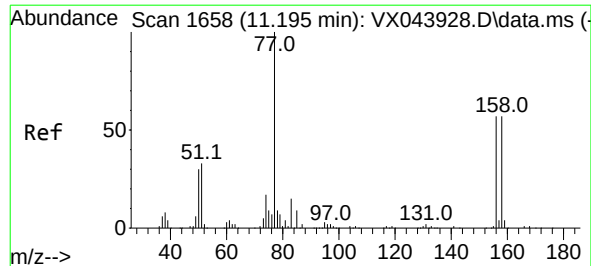
Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion:	75	Resp:	112114
Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.8	65.3





#77

Bromobenzene

Concen: 48.243 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:156 Resp: 88361

Ion Ratio Lower Upper

156 100

77 169.5 83.4 250.1

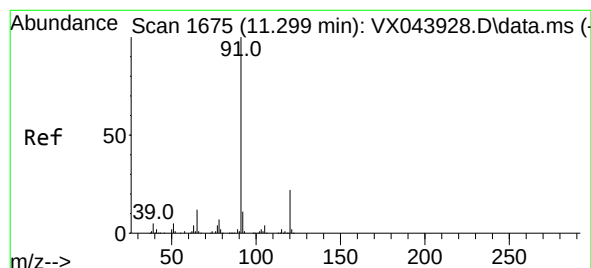
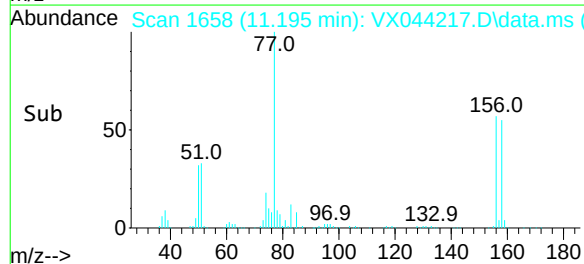
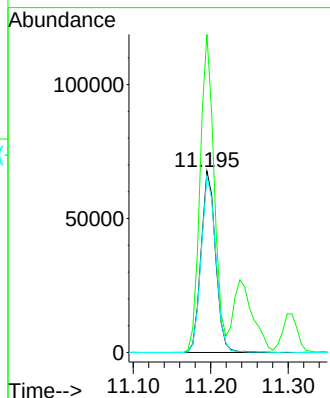
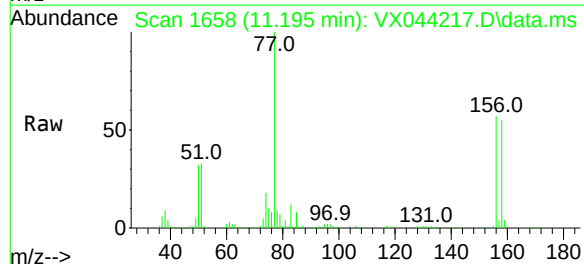
158 98.3 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#78

n-propylbenzene

Concen: 49.451 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044217.D

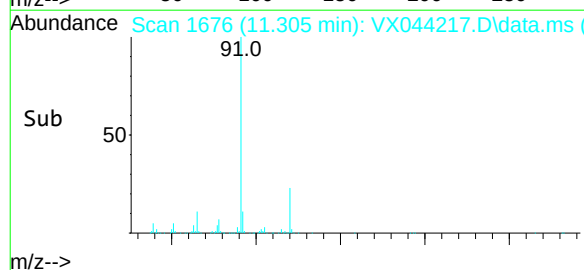
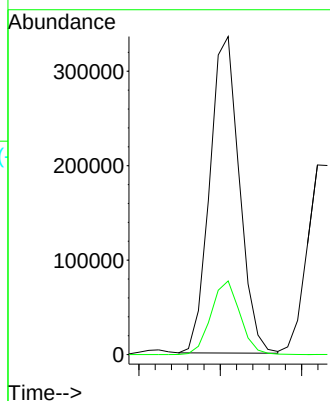
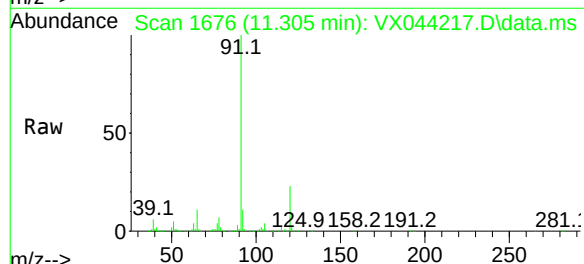
Acq: 10 Dec 2024 18:44

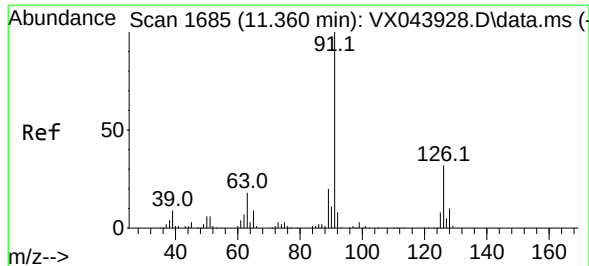
Tgt Ion: 91 Resp: 424053

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 48.850 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 264885

Ion Ratio Lower Upper

91 100

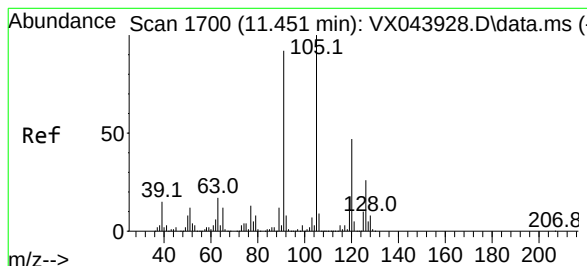
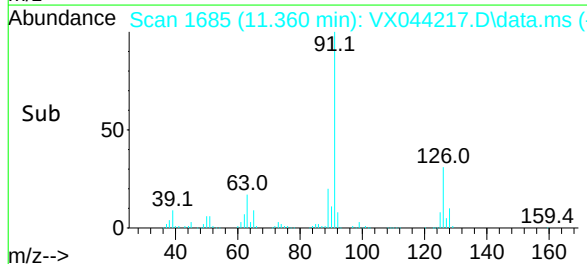
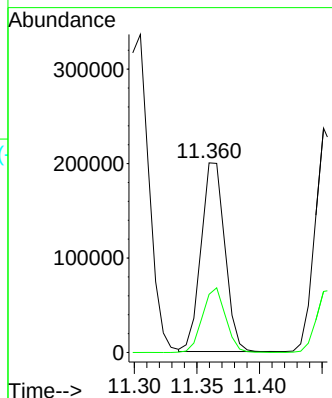
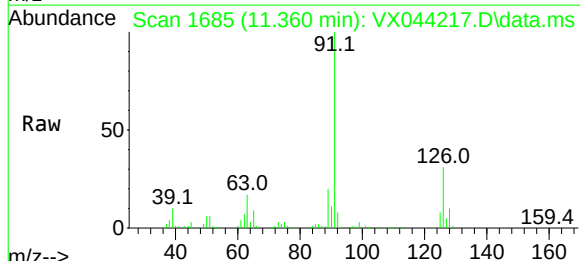
126 33.3 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#80

1,3,5-Trimethylbenzene

Concen: 50.452 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044217.D

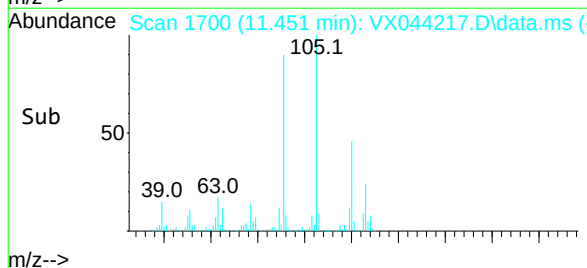
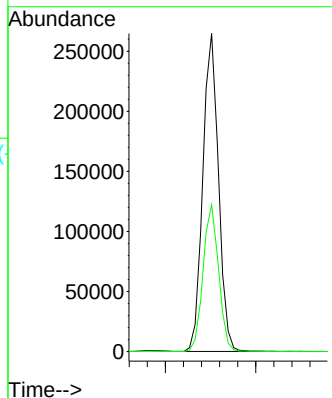
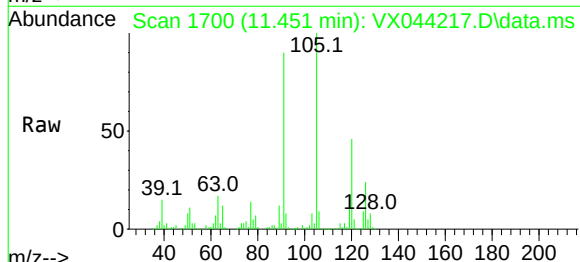
Acq: 10 Dec 2024 18:44

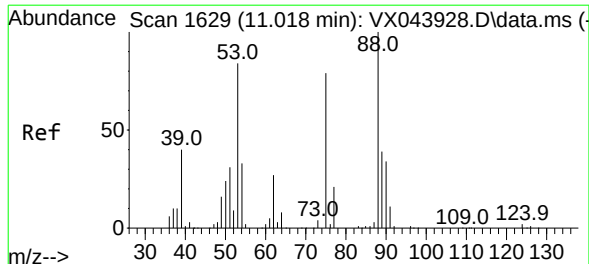
Tgt Ion:105 Resp: 318691

Ion Ratio Lower Upper

105 100

120 45.8 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.234 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 35508

Ion Ratio Lower Upper

75 100

53 117.6 86.7 130.1

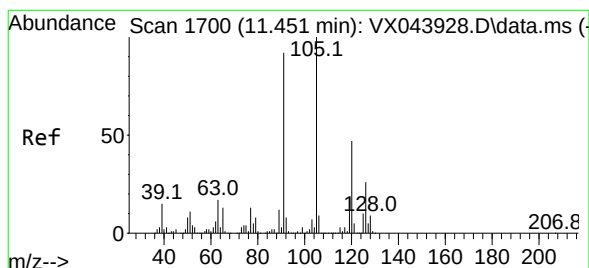
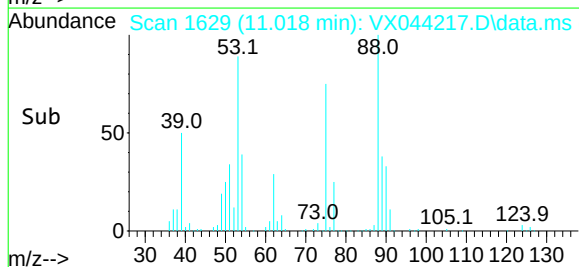
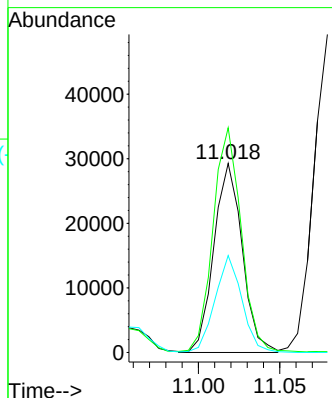
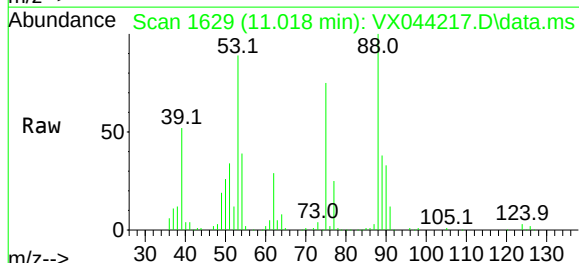
89 48.6 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#82

4-Chlorotoluene

Concen: 49.428 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044217.D

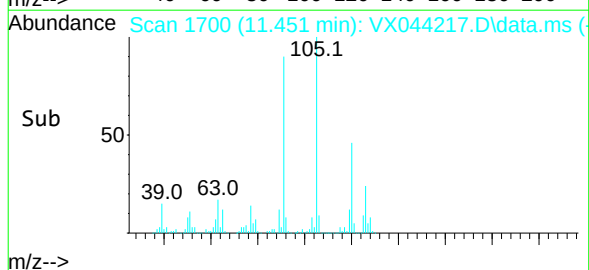
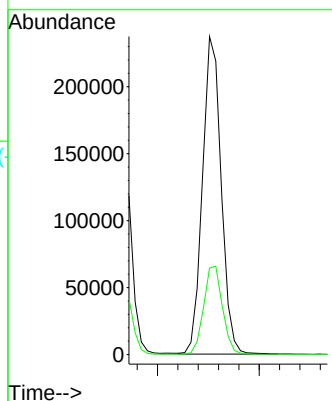
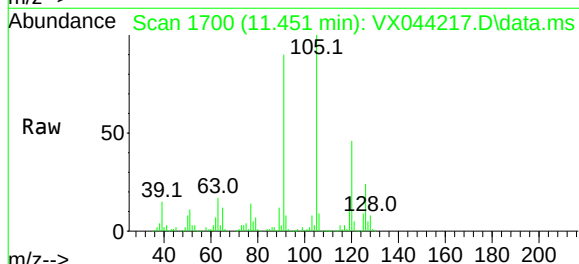
Acq: 10 Dec 2024 18:44

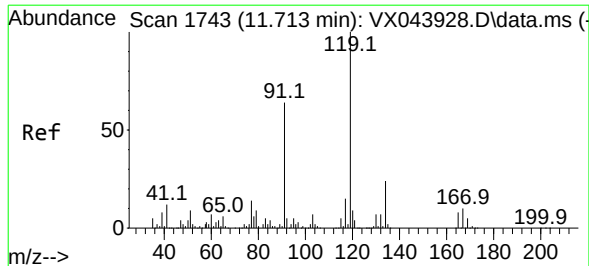
Tgt Ion: 91 Resp: 302591

Ion Ratio Lower Upper

91 100

126 28.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 50.593 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 316761

Ion Ratio Lower Upper

119 100

91 63.9 31.0 93.0

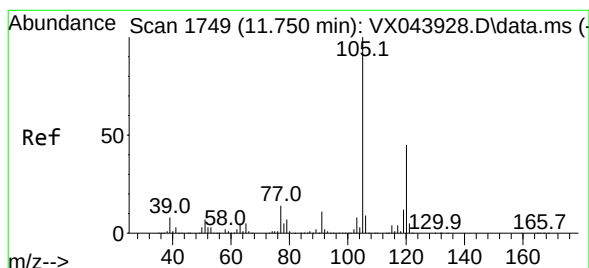
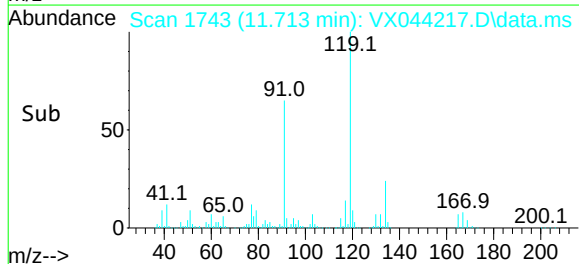
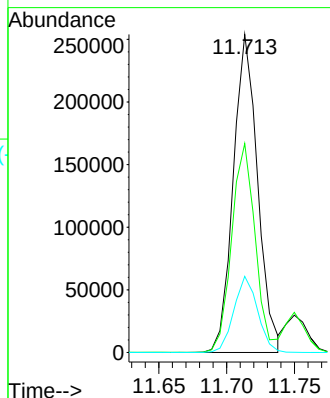
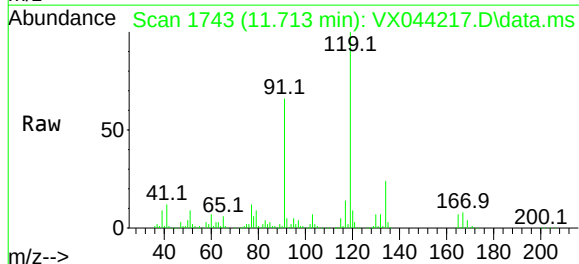
134 23.4 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#84

1,2,4-Trimethylbenzene

Concen: 50.339 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044217.D

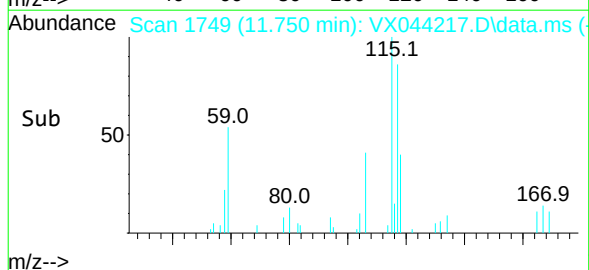
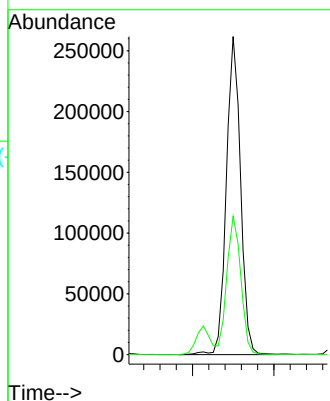
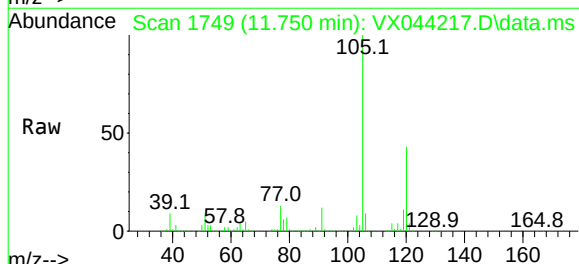
Acq: 10 Dec 2024 18:44

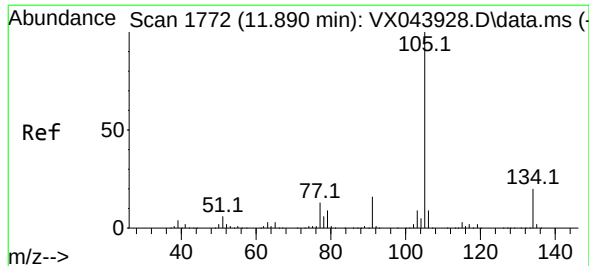
Tgt Ion:105 Resp: 316576

Ion Ratio Lower Upper

105 100

120 42.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 50.357 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 386295

Ion Ratio Lower Upper

105 100

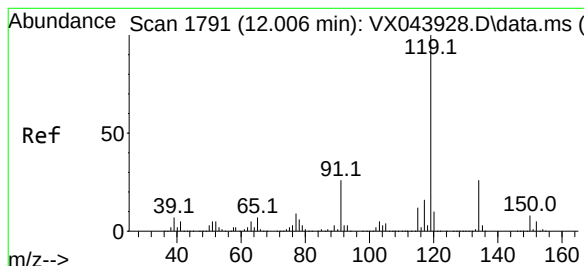
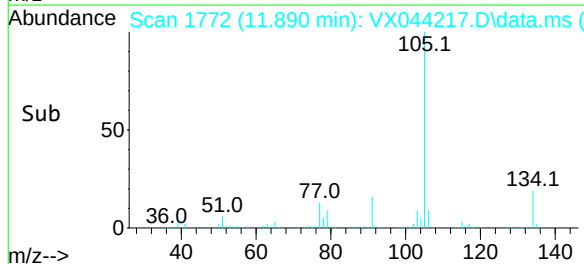
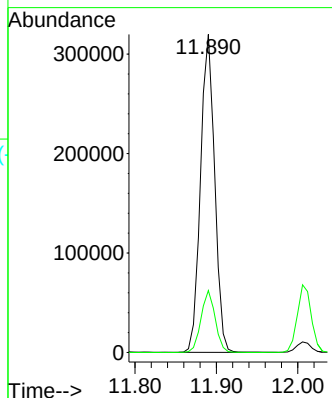
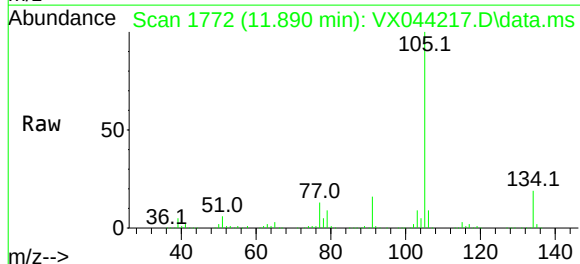
134 19.5 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#86

p-Isopropyltoluene

Concen: 51.093 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

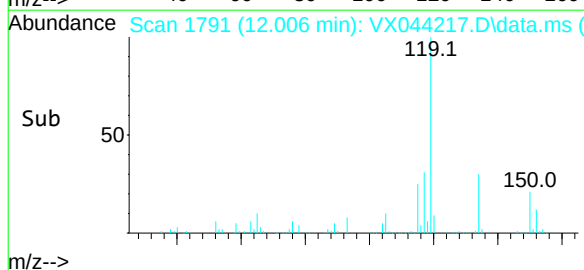
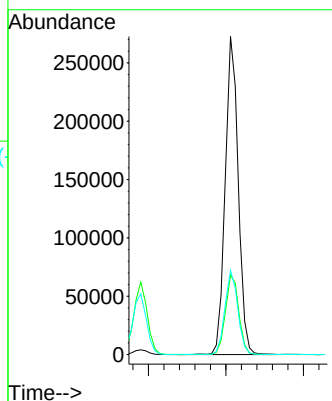
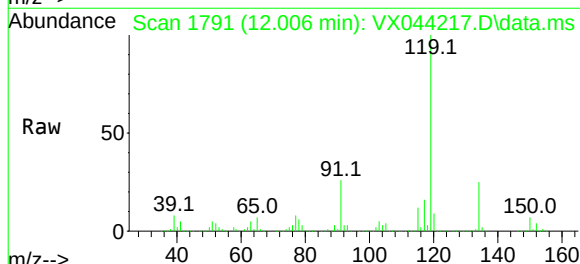
Tgt Ion:119 Resp: 318368

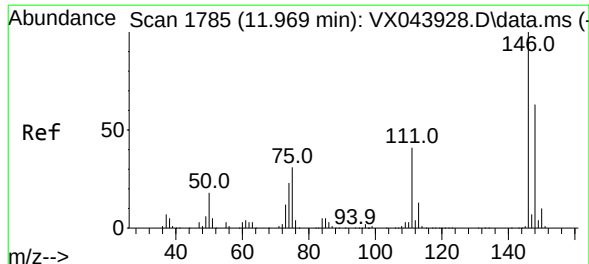
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 26.1 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 48.740 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion:146 Resp: 162593

Ion Ratio Lower Upper

146 100

111 42.0 21.1 63.3

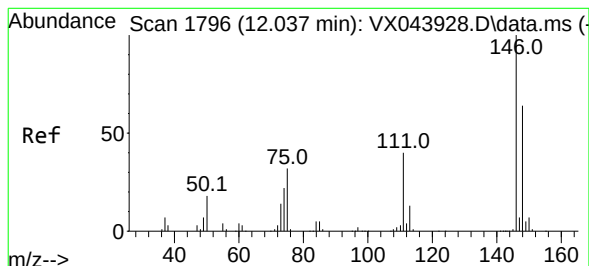
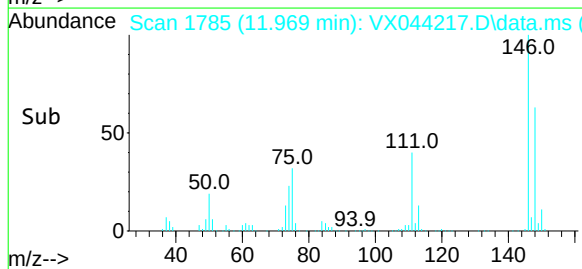
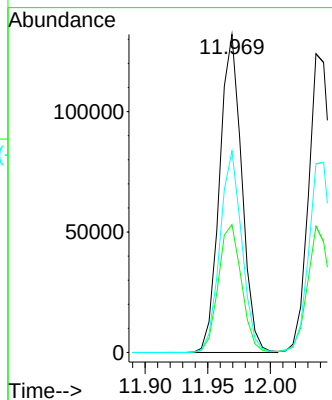
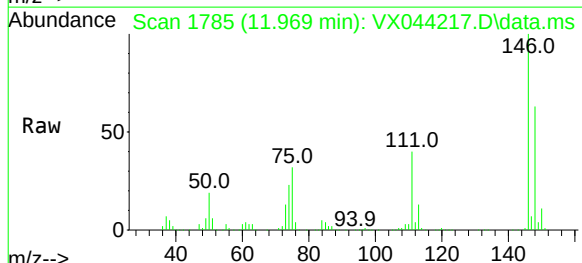
148 62.6 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#88

1,4-Dichlorobenzene

Concen: 46.977 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

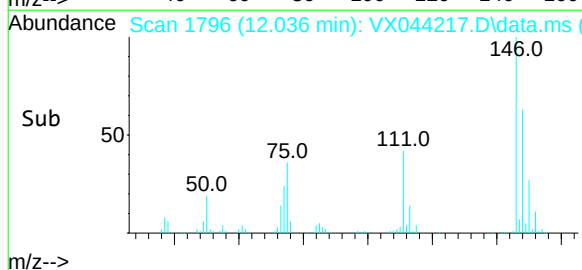
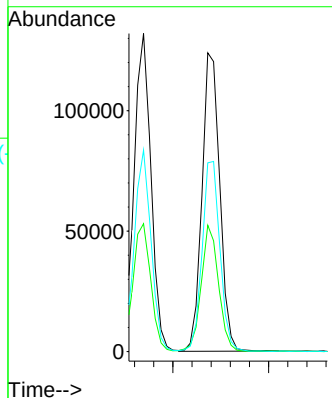
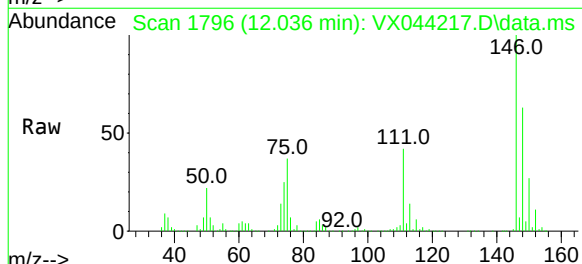
Tgt Ion:146 Resp: 159770

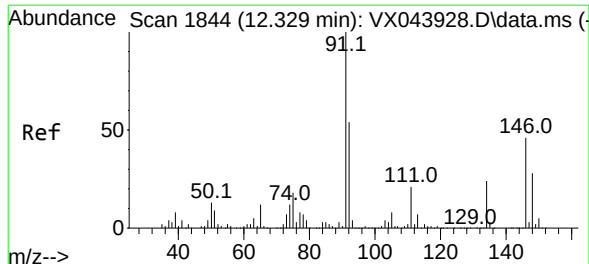
Ion Ratio Lower Upper

146 100

111 41.1 20.1 60.3

148 64.0 30.9 92.8





#89

n-Butylbenzene

Concen: 50.379 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 276773

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

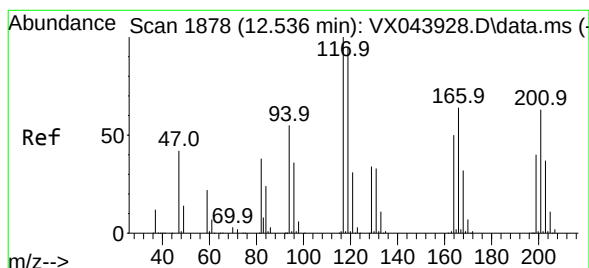
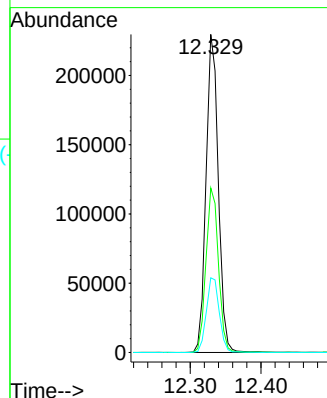
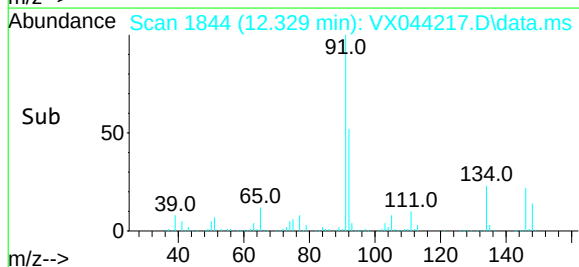
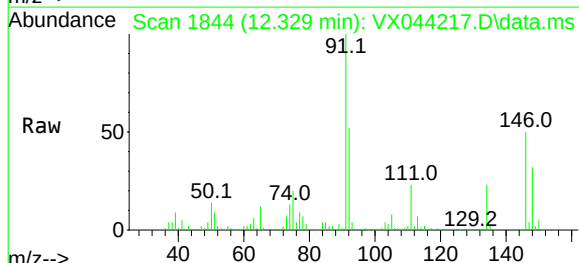
134 24.8 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#90

Hexachloroethane

Concen: 46.780 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044217.D

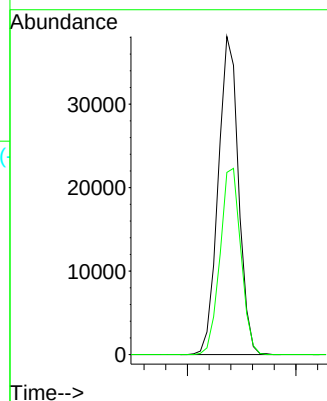
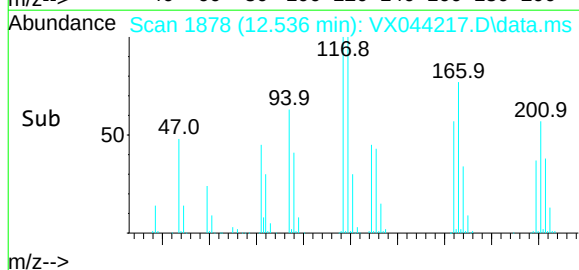
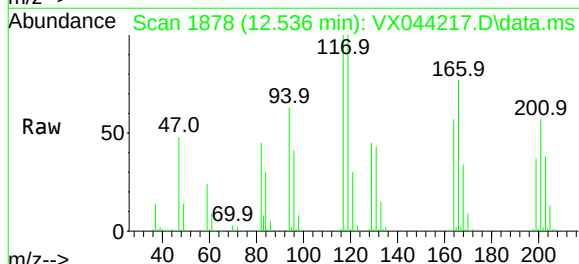
Acq: 10 Dec 2024 18:44

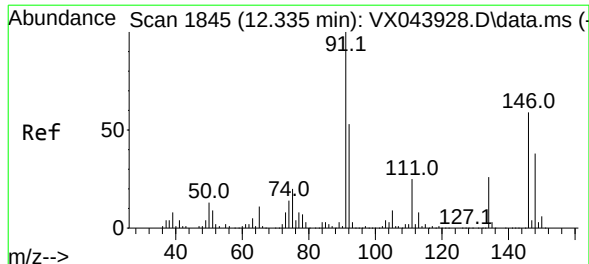
Tgt Ion:117 Resp: 49566

Ion Ratio Lower Upper

117 100

201 60.0 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 48.773 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

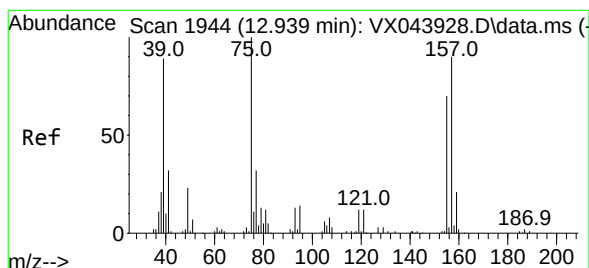
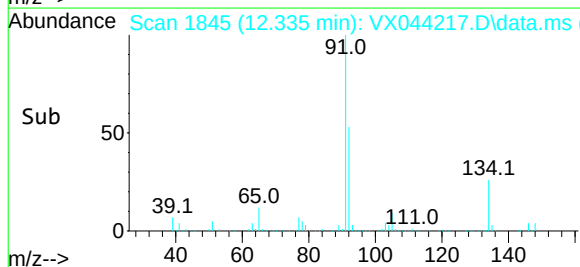
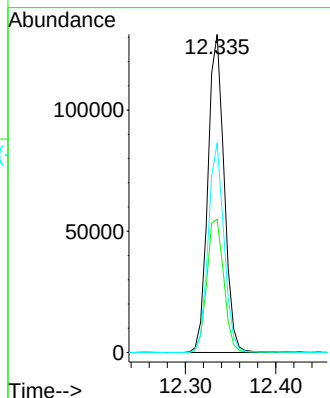
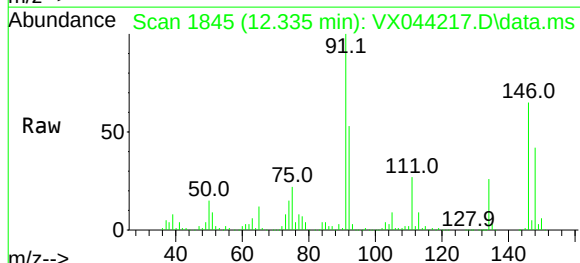
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	164195
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.5	64.5
148	64.3	31.9	95.5

Manual Integrations
APPROVEDReviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

#92

1,2-Dibromo-3-Chloropropane

Concen: 53.147 ug/l

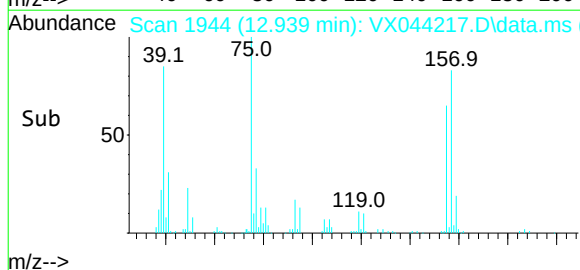
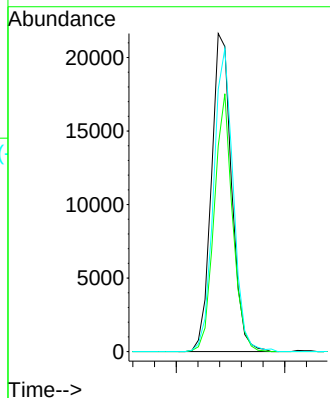
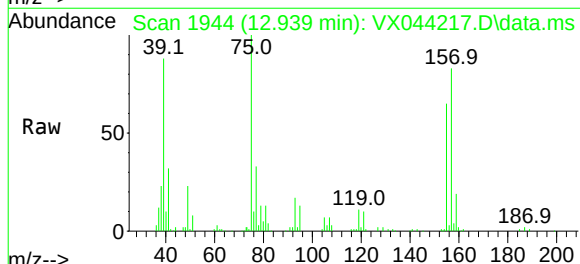
RT: 12.939 min Scan# 1944

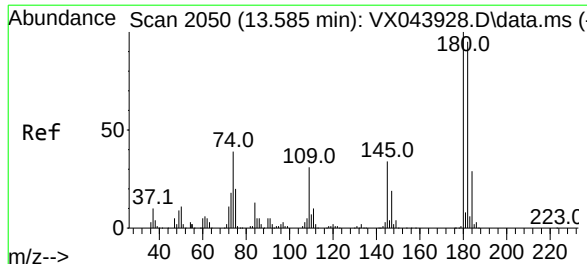
Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion:	75	Resp:	27997
Ion Ratio	Lower	Upper	
75	100		
155	73.8	40.1	120.2
157	92.6	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 48.102 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion:180 Resp: 95471

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.2

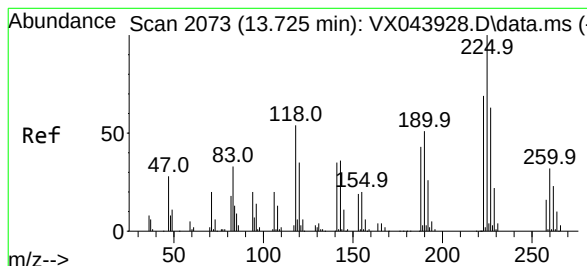
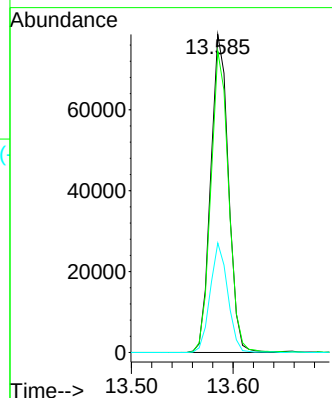
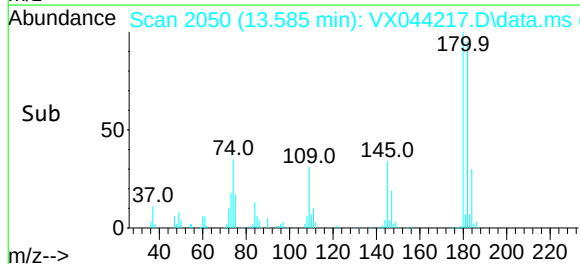
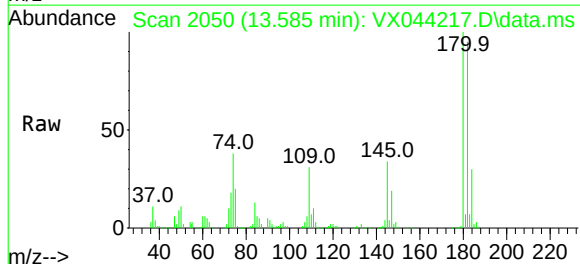
145 33.9 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#94

Hexachlorobutadiene

Concen: 46.005 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

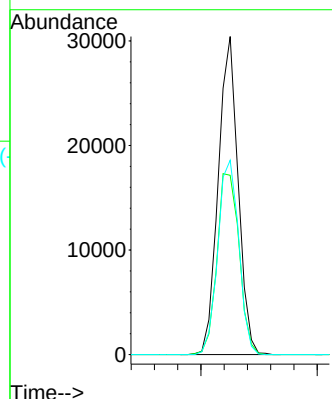
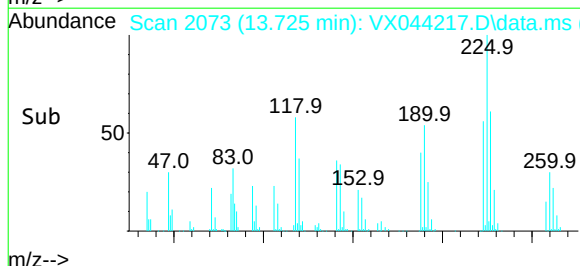
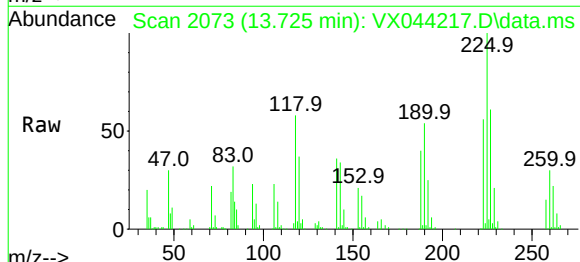
Tgt Ion:225 Resp: 36087

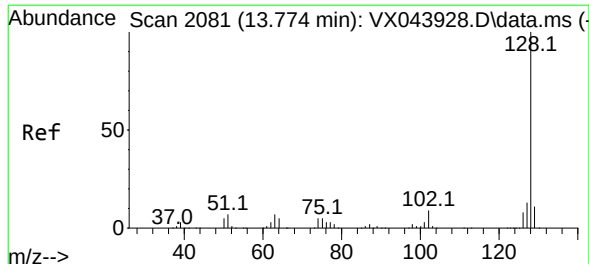
Ion Ratio Lower Upper

225 100

223 63.3 32.9 98.6

227 64.3 31.6 94.8





#95

Naphthalene

Concen: 53.212 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion:128 Resp: 380179

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

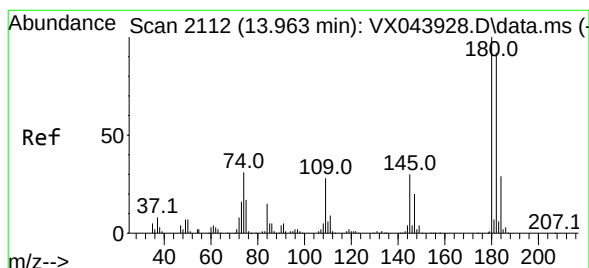
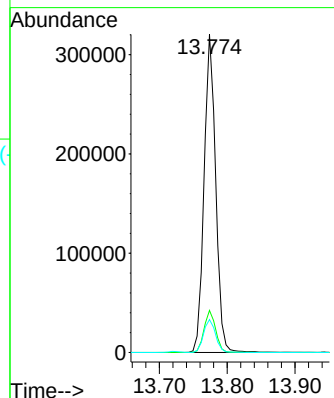
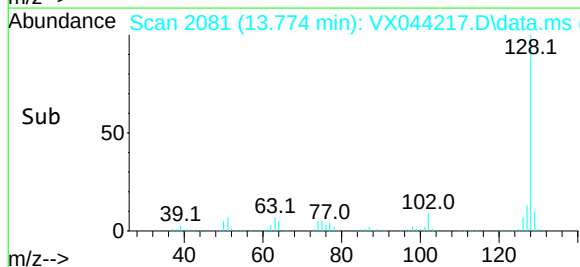
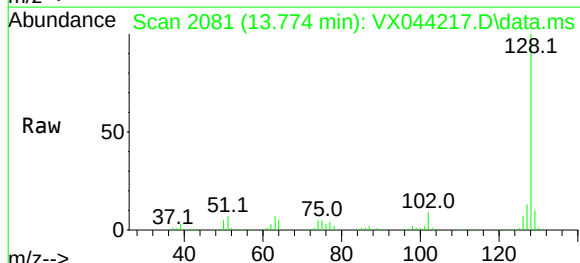
129 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#96

1,2,3-Trichlorobenzene

Concen: 48.363 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

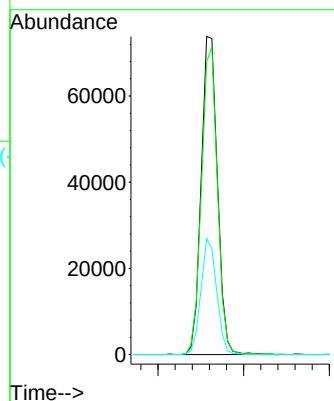
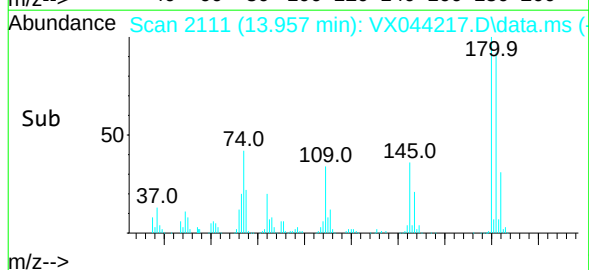
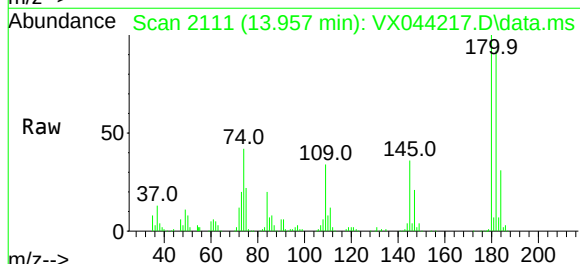
Tgt Ion:180 Resp: 97156

Ion Ratio Lower Upper

180 100

182 95.0 45.6 136.8

145 35.5 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	92	0.00
2 T	Dichlorodifluoromethane	0.633	0.496	21.6	67	0.00
3 P	Chloromethane	0.667	0.566	15.1	74	0.00
4 C	Vinyl Chloride	0.709	0.616	13.1#	74	0.00
5 T	Bromomethane	0.436	0.441	-1.1	91	0.00
6 T	Chloroethane	0.432	0.416	3.7	83	0.00
7 T	Trichlorofluoromethane	1.268	1.286	-1.4	87	0.00
8 T	Diethyl Ether	0.462	0.476	-3.0	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.555	8.3	77	0.00
10 T	Methyl Iodide	0.755	0.741	1.9	84	0.00
11 T	Tert butyl alcohol	0.138	0.133	3.6	84	0.00
12 CM	1,1-Dichloroethene	0.576	0.521	9.5#	80	0.00
13 T	Acrolein	0.145	0.154	-6.2	97	0.00
14 T	Allyl chloride	0.941	0.942	-0.1	83	0.00
15 T	Acrylonitrile	0.335	0.357	-6.6	89	0.00
16 T	Acetone	0.394	0.357	9.4	77	0.01
17 T	Carbon Disulfide	1.188	0.842	29.1#	60	0.00
18 T	Methyl Acetate	0.917	0.993	-8.3	92	0.00
19 T	Methyl tert-butyl Ether	2.092	2.267	-8.4	92	0.00
20 T	Methylene Chloride	0.668	0.651	2.5	89	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.559	6.1	81	0.00
22 T	Diisopropyl ether	2.013	2.125	-5.6	90	0.00
23 T	Vinyl Acetate	1.722	1.838	-6.7	87	0.00
24 P	1,1-Dichloroethane	1.161	1.194	-2.8	87	0.00
25 T	2-Butanone	0.508	0.539	-6.1	87	0.01
26 T	2,2-Dichloropropane	1.049	0.977	6.9	79	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.744	-1.2	86	0.00
28 T	Bromochloromethane	0.511	0.464	9.2	94	0.01
29 T	Tetrahydrofuran	0.312	0.336	-7.7	91	0.00
30 C	Chloroform	1.249	1.314	-5.2#	92	0.01
31 T	Cyclohexane	0.956	0.852	10.9	75	0.00
32 T	1,1,1-Trichloroethane	1.077	1.126	-4.5	87	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.913	-6.4	112	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.357	0.351	1.7	108	0.00
36 T	1,1-Dichloropropene	0.445	0.410	7.9	83	0.00
37 T	Ethyl Acetate	0.553	0.548	0.9	90	0.01
38 T	Carbon Tetrachloride	0.500	0.466	6.8	84	0.00
39 T	Methylcyclohexane	0.578	0.493	14.7	75	0.00
40 TM	Benzene	1.387	1.288	7.1	86	0.00
41 T	Methacrylonitrile	0.283	0.287	-1.4	88	0.01
42 TM	1,2-Dichloroethane	0.557	0.549	1.4	91	0.01
43 T	Isopropyl Acetate	0.880	0.899	-2.2	92	0.00
44 TM	Trichloroethene	0.393	0.315	19.8	85	0.00
45 C	1,2-Dichloropropane	0.340	0.336	1.2#	91	0.00
46 T	Dibromomethane	0.269	0.271	-0.7	93	0.00
47 T	Bromodichloromethane	0.482	0.497	-3.1	92	0.00
48 T	Methyl methacrylate	0.422	0.423	-0.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.008	0.006	25.0	78	0.00
50 S	Toluene-d8	1.232	1.161	5.8	106	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.594	-10.6	98	0.00
52 CM	Toluene	0.830	0.815	1.8#	89	0.00
53 T	t-1,3-Dichloropropene	0.491	0.497	-1.2	88	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.534	0.9	88	0.00
55 T	1,1,2-Trichloroethane	0.343	0.350	-2.0	95	0.00
56 T	Ethyl methacrylate	0.534	0.570	-6.7	93	0.00
57 T	1,3-Dichloropropane	0.577	0.584	-1.2	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.274	-0.4	90	0.00
59 T	2-Hexanone	0.403	0.444	-10.2	95	0.00
60 T	Dibromochloromethane	0.344	0.358	-4.1	91	0.00
61 T	1,2-Dibromoethane	0.346	0.362	-4.6	94	0.00
62 S	4-Bromofluorobenzene	0.419	0.428	-2.1	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64 T	Tetrachloroethene	0.330	0.309	6.4	87	0.00
65 PM	Chlorobenzene	1.098	1.073	2.3	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.371	-4.2	92	0.00
67 C	Ethyl Benzene	1.861	1.866	-0.3#	91	0.00
68 T	m/p-Xylenes	0.694	0.686	1.2	89	0.00
69 T	o-Xylene	0.678	0.698	-2.9	91	0.00
70 T	Styrene	1.121	1.176	-4.9	92	0.00
71 P	Bromoform	0.240	0.254	-5.8	88	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.843	3.780	1.6	92	0.00
74 T	N-amyl acetate	1.780	1.928	-8.3	96	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.342	-2.0	96	0.00
76 T	1,2,3-Trichloropropane	1.096	1.122	-2.4	95	0.00
77 T	Bromobenzene	0.917	0.885	3.5	90	0.00
78 T	n-propylbenzene	4.293	4.245	1.1	89	0.00
79 T	2-Chlorotoluene	2.714	2.652	2.3	92	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.191	-0.9	92	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.355	11.7	80	0.00
82 T	4-Chlorotoluene	3.064	3.029	1.1	91	0.00
83 T	tert-Butylbenzene	3.134	3.171	-1.2	92	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.169	-0.7	92	0.00
85 T	sec-Butylbenzene	3.840	3.867	-0.7	91	0.00
86 T	p-Isopropyltoluene	3.119	3.187	-2.2	90	0.00
87 T	1,3-Dichlorobenzene	1.670	1.628	2.5	92	0.00
88 T	1,4-Dichlorobenzene	1.702	1.600	6.0	89	0.00
89 T	n-Butylbenzene	2.750	2.771	-0.8	87	0.00
90 T	Hexachloroethane	0.530	0.496	6.4	84	0.00
91 T	1,2-Dichlorobenzene	1.685	1.644	2.4	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.280	-6.1	98	0.00
93 T	1,2,4-Trichlorobenzene	0.994	0.956	3.8	88	0.00
94 T	Hexachlorobutadiene	0.393	0.361	8.1	87	0.00
95 T	Naphthalene	3.576	3.806	-6.4	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	0.973	3.3	87	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	92	0.00
2 T	Dichlorodifluoromethane	50.000	39.184	21.6	67	0.00
3 P	Chloromethane	50.000	42.456	15.1	74	0.00
4 C	Vinyl Chloride	50.000	43.453	13.1#	74	0.00
5 T	Bromomethane	50.000	50.551	-1.1	91	0.00
6 T	Chloroethane	50.000	48.139	3.7	83	0.00
7 T	Trichlorofluoromethane	50.000	50.742	-1.5	87	0.00
8 T	Diethyl Ether	50.000	51.568	-3.1	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.934	8.1	77	0.00
10 T	Methyl Iodide	50.000	49.069	1.9	84	0.00
11 T	Tert butyl alcohol	250.000	241.461	3.4	84	0.00
12 CM	1,1-Dichloroethene	50.000	45.214	9.6#	80	0.00
13 T	Acrolein	250.000	265.473	-6.2	97	0.00
14 T	Allyl chloride	50.000	50.047	-0.1	83	0.00
15 T	Acrylonitrile	250.000	266.340	-6.5	89	0.00
16 T	Acetone	250.000	226.323	9.5	77	0.01
17 T	Carbon Disulfide	50.000	35.412	29.2#	60	0.00
18 T	Methyl Acetate	50.000	54.151	-8.3	92	0.00
19 T	Methyl tert-butyl Ether	50.000	54.175	-8.3	92	0.00
20 T	Methylene Chloride	50.000	48.686	2.6	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.980	6.0	81	0.00
22 T	Diisopropyl ether	50.000	52.775	-5.5	90	0.00
23 T	Vinyl Acetate	250.000	266.817	-6.7	87	0.00
24 P	1,1-Dichloroethane	50.000	51.412	-2.8	87	0.00
25 T	2-Butanone	250.000	265.133	-6.1	87	0.01
26 T	2,2-Dichloropropane	50.000	46.597	6.8	79	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.598	-1.2	86	0.00
28 T	Bromochloromethane	50.000	45.353	9.3	94	0.01
29 T	Tetrahydrofuran	250.000	269.350	-7.7	91	0.00
30 C	Chloroform	50.000	52.620	-5.2#	92	0.01
31 T	Cyclohexane	50.000	44.572	10.9	75	0.00
32 T	1,1,1-Trichloroethane	50.000	52.251	-4.5	87	0.00
33 S	1,2-Dichloroethane-d4	50.000	53.240	-6.5	112	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	49.124	1.8	108	0.00
36 T	1,1-Dichloropropene	50.000	45.995	8.0	83	0.00
37 T	Ethyl Acetate	50.000	49.549	0.9	90	0.01
38 T	Carbon Tetrachloride	50.000	46.595	6.8	84	0.00
39 T	Methylcyclohexane	50.000	42.624	14.8	75	0.00
40 TM	Benzene	50.000	46.428	7.1	86	0.00
41 T	Methacrylonitrile	50.000	50.743	-1.5	88	0.01
42 TM	1,2-Dichloroethane	50.000	49.283	1.4	91	0.01
43 T	Isopropyl Acetate	50.000	51.122	-2.2	92	0.00
44 TM	Trichloroethene	50.000	40.071	19.9	85	0.00
45 C	1,2-Dichloropropane	50.000	49.418	1.2#	91	0.00
46 T	Dibromomethane	50.000	50.501	-1.0	93	0.00
47 T	Bromodichloromethane	50.000	51.522	-3.0	92	0.00
48 T	Methyl methacrylate	50.000	50.075	-0.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	846.622	15.3	78	0.00
50 S	Toluene-d8	50.000	47.129	5.7	106	0.00
51 T	4-Methyl-2-Pentanone	250.000	276.463	-10.6	98	0.00
52 CM	Toluene	50.000	49.112	1.8#	89	0.00
53 T	t-1,3-Dichloropropene	50.000	50.525	-1.0	88	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.583	0.8	88	0.00
55 T	1,1,2-Trichloroethane	50.000	51.024	-2.0	95	0.00
56 T	Ethyl methacrylate	50.000	53.395	-6.8	93	0.00
57 T	1,3-Dichloropropane	50.000	50.557	-1.1	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	234.142	6.3	90	0.00
59 T	2-Hexanone	250.000	275.412	-10.2	95	0.00
60 T	Dibromochloromethane	50.000	52.109	-4.2	91	0.00
61 T	1,2-Dibromoethane	50.000	52.266	-4.5	94	0.00
62 S	4-Bromofluorobenzene	50.000	51.003	-2.0	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64 T	Tetrachloroethene	50.000	46.869	6.3	87	0.00
65 PM	Chlorobenzene	50.000	48.841	2.3	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.085	-4.2	92	0.00
67 C	Ethyl Benzene	50.000	50.145	-0.3#	91	0.00
68 T	m/p-Xylenes	100.000	98.868	1.1	89	0.00
69 T	o-Xylene	50.000	51.522	-3.0	91	0.00
70 T	Styrene	50.000	52.487	-5.0	92	0.00
71 P	Bromoform	50.000	47.096	5.8	88	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	49.169	1.7	92	0.00
74 T	N-amyl acetate	50.000	54.137	-8.3	96	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.971	-1.9	96	0.00
76 T	1,2,3-Trichloropropane	50.000	51.183	-2.4	95	0.00
77 T	Bromobenzene	50.000	48.243	3.5	90	0.00
78 T	n-propylbenzene	50.000	49.451	1.1	89	0.00
79 T	2-Chlorotoluene	50.000	48.850	2.3	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.452	-0.9	92	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.234	11.5	80	0.00
82 T	4-Chlorotoluene	50.000	49.428	1.1	91	0.00
83 T	tert-Butylbenzene	50.000	50.593	-1.2	92	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.339	-0.7	92	0.00
85 T	sec-Butylbenzene	50.000	50.357	-0.7	91	0.00
86 T	p-Isopropyltoluene	50.000	51.093	-2.2	90	0.00
87 T	1,3-Dichlorobenzene	50.000	48.740	2.5	92	0.00
88 T	1,4-Dichlorobenzene	50.000	46.977	6.0	89	0.00
89 T	n-Butylbenzene	50.000	50.379	-0.8	87	0.00
90 T	Hexachloroethane	50.000	46.780	6.4	84	0.00
91 T	1,2-Dichlorobenzene	50.000	48.773	2.5	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.147	-6.3	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.102	3.8	88	0.00
94 T	Hexachlorobutadiene	50.000	46.005	8.0	87	0.00
95 T	Naphthalene	50.000	53.212	-6.4	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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	48.363	3.3	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

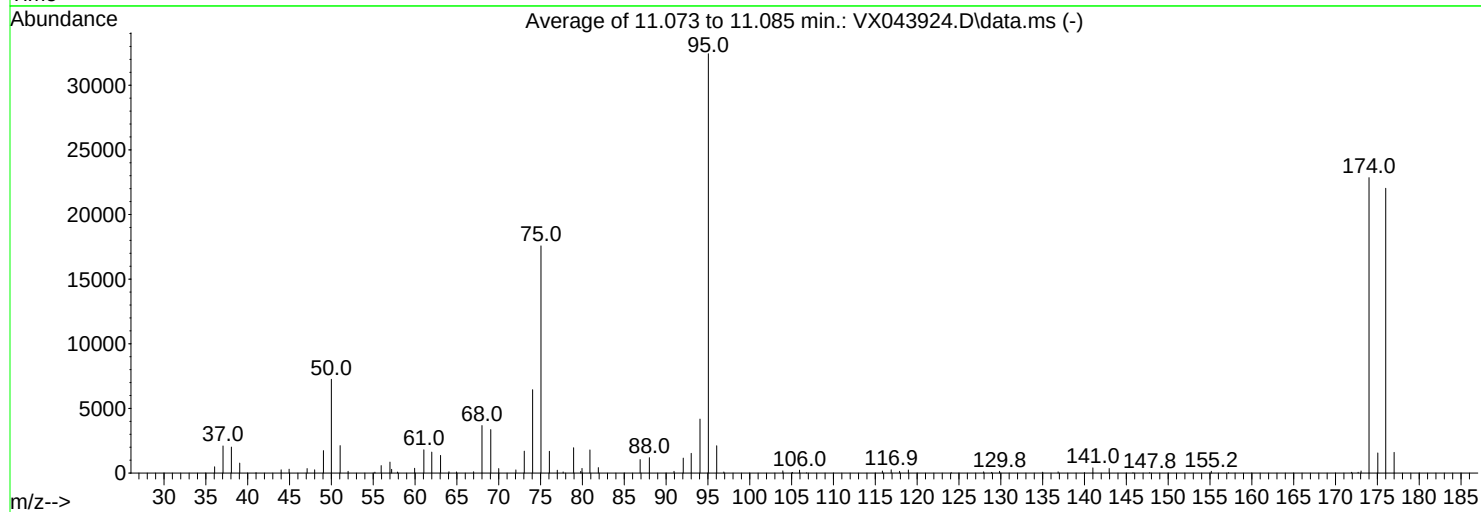
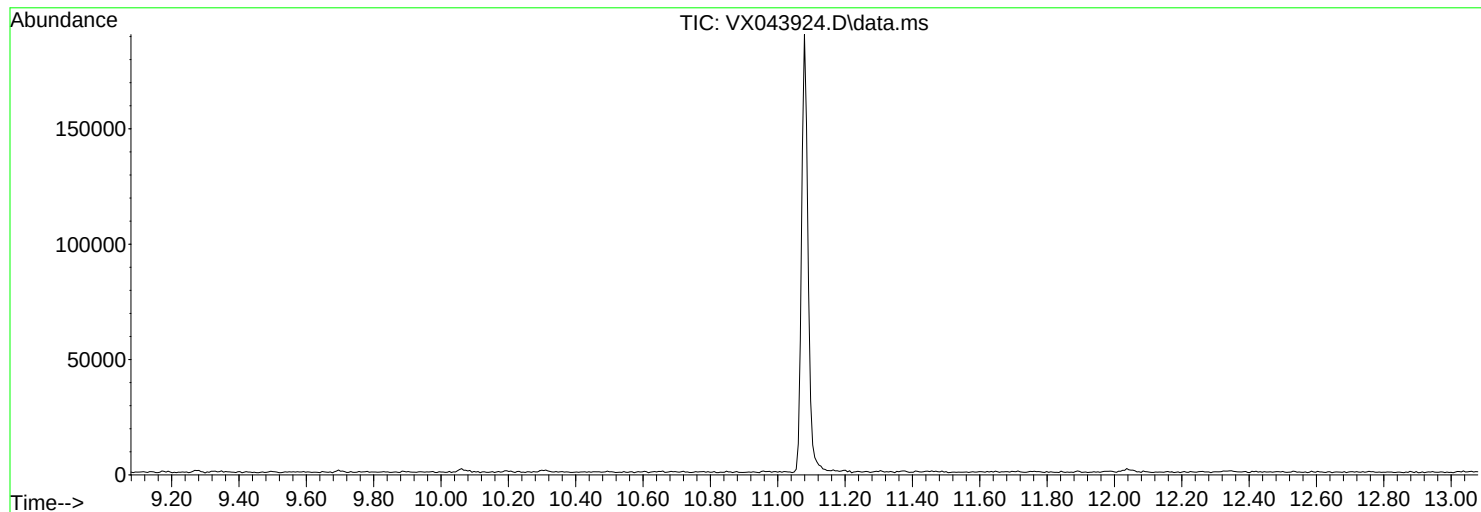
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043924.D
Acq On : 21 Nov 2024 08:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Title : SW846 8260
Last Update : Fri Nov 22 00:18:05 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

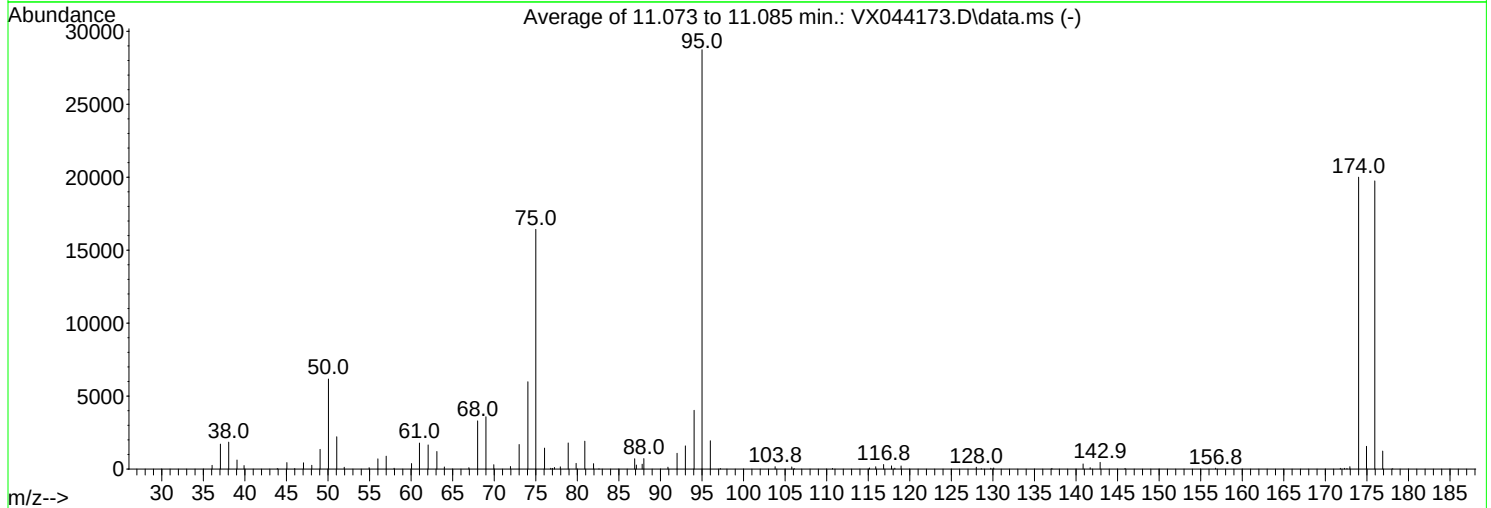
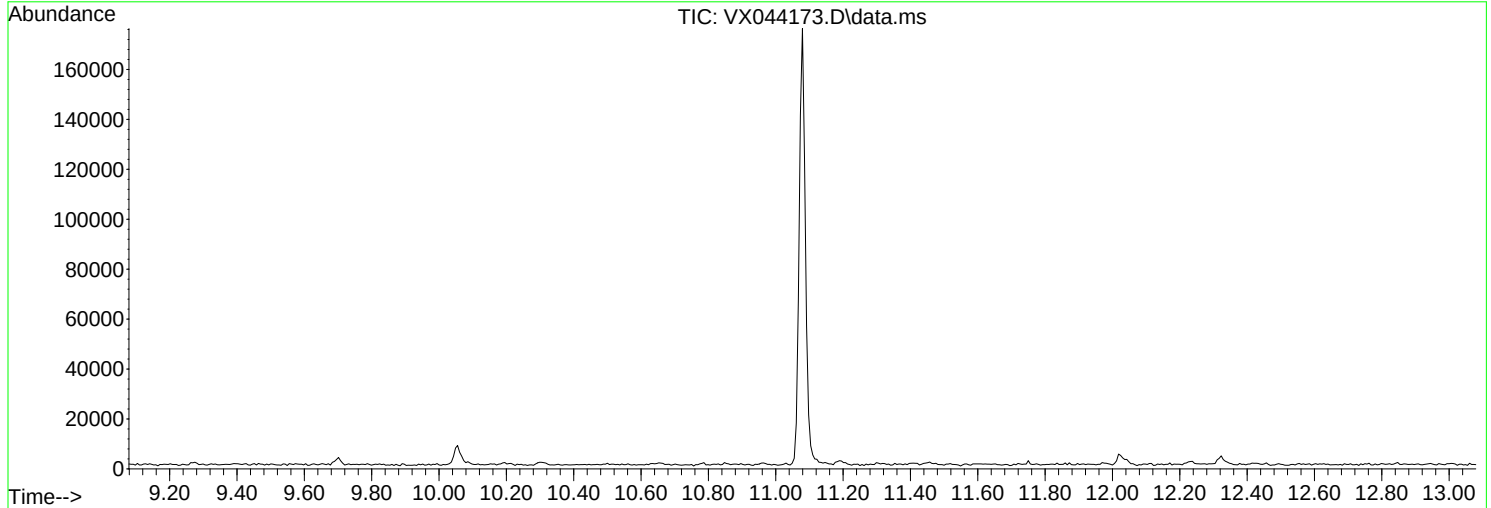
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	7254	PASS
75	95	30	60	54.2	17573	PASS
95	95	100	100	100.0	32437	PASS
96	95	5	9	6.5	2112	PASS
173	174	0.00	2	0.7	162	PASS
174	95	50	100	70.5	22853	PASS
175	174	5	9	6.8	1557	PASS
176	174	95	101	96.4	22030	PASS
177	176	5	9	7.3	1600	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044173.D
Acq On : 09 Dec 2024 09:06
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\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	6171	PASS
75	95	30	60	57.2	16427	PASS
95	95	100	100	100.0	28736	PASS
96	95	5	9	6.8	1941	PASS
173	174	0.00	2	0.8	163	PASS
174	95	50	100	69.6	20004	PASS
175	174	5	9	7.8	1560	PASS
176	174	95	101	98.7	19747	PASS
177	176	5	9	6.2	1234	PASS

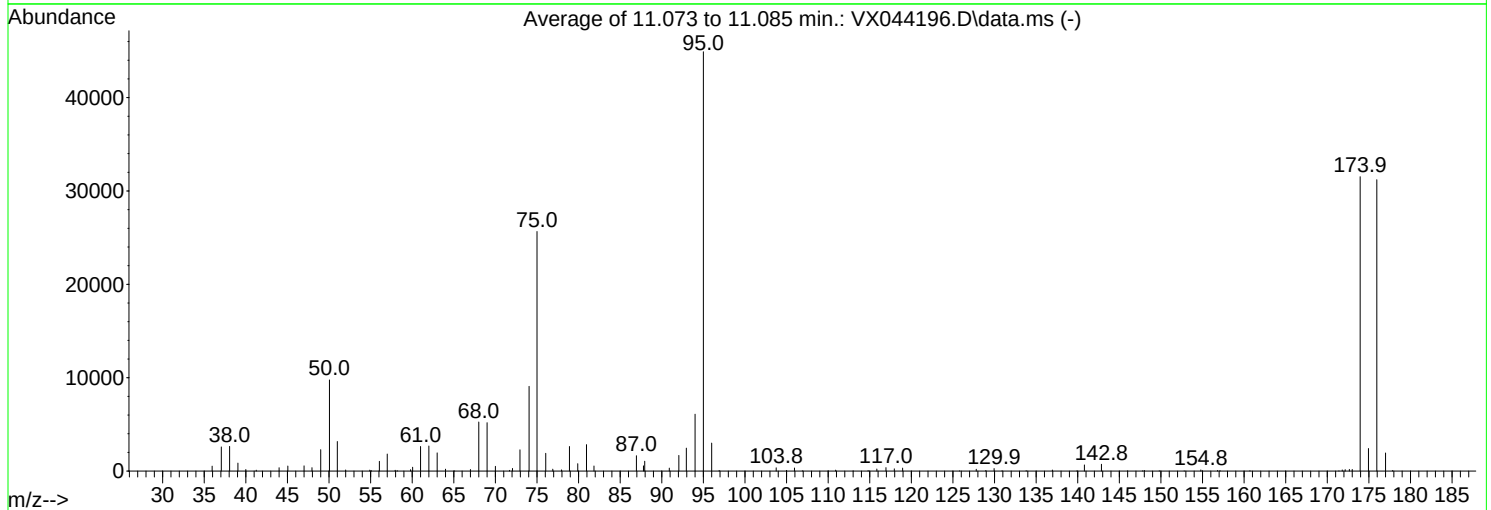
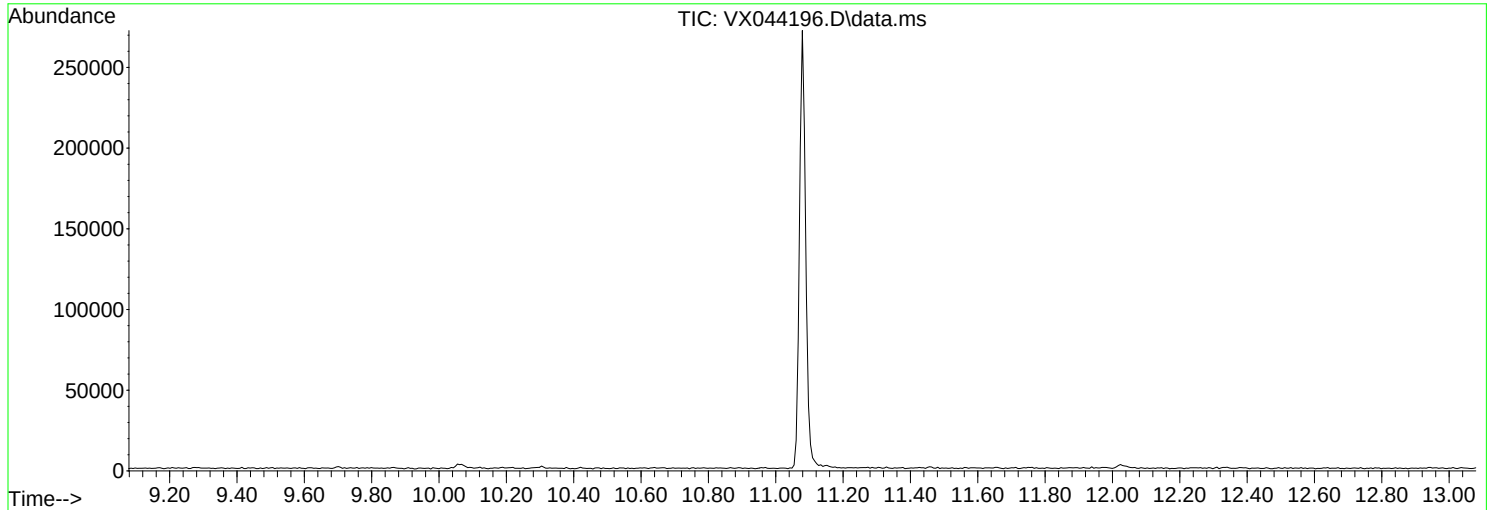
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044196.D
Acq On : 10 Dec 2024 09:01
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	9765	PASS
75	95	30	60	57.1	25659	PASS
95	95	100	100	100.0	44912	PASS
96	95	5	9	6.7	2997	PASS
173	174	0.00	2	0.6	175	PASS
174	95	50	100	70.2	31531	PASS
175	174	5	9	7.7	2414	PASS
176	174	95	101	99.0	31205	PASS
177	176	5	9	6.2	1936	PASS

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Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1209WBL01		SDG No.:	P5164
Lab Sample ID:	VX1209WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044176.D	1		12/09/24 10:35	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	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
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1209WBL01		SDG No.:	P5164
Lab Sample ID:	VX1209WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044176.D	1		12/09/24 10:35	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	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
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.544				
540-36-3	1,4-Difluorobenzene	246000	6.757				
3114-55-4	Chlorobenzene-d5	212000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	90500	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1209WBL01	SDG No.:	P5164
Lab Sample ID:	VX1209WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044176.D	1		12/09/24 10:35	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX120924\
Data File : VX044176.D
Acq On : 09 Dec 2024 10:35
Operator : JC/MD
Sample : VX1209WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Quant Time: Dec 10 01:36:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	127252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	114252	52.347	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	104.700%	
35) Dibromofluoromethane	5.379	113	81564	46.407	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	92.820%	
50) Toluene-d8	8.647	98	303349	50.070	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.140%	
62) 4-Bromofluorobenzene	11.079	95	101473	49.214	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	98.420%	

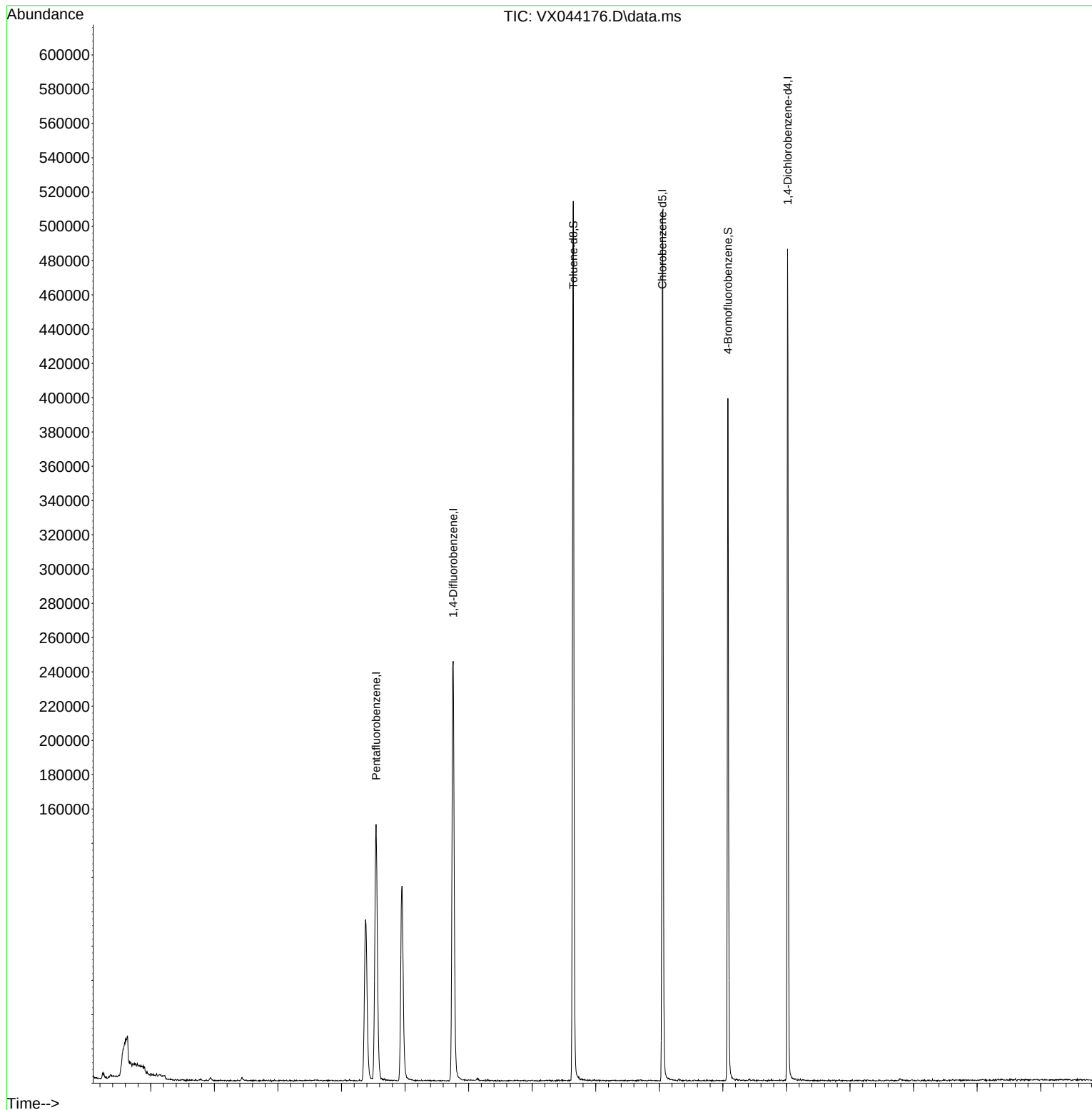
Target Compounds Qvalue

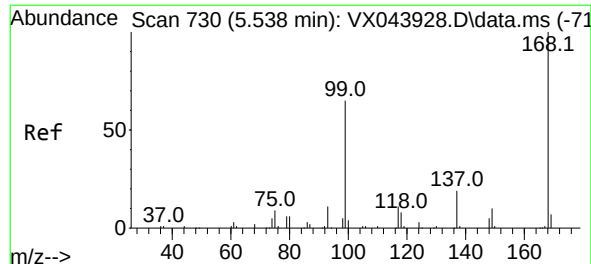
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044176.D
Acq On : 09 Dec 2024 10:35
Operator : JC/MD
Sample : VX1209WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Quant Time: Dec 10 01:36:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.006 min

Lab File: VX044176.D

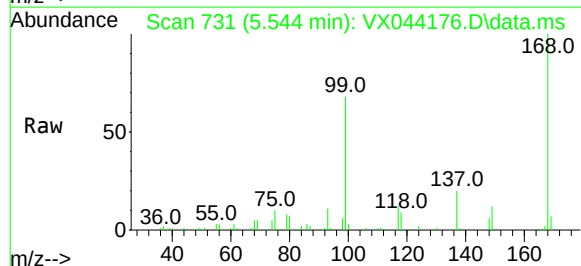
Acq: 09 Dec 2024 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

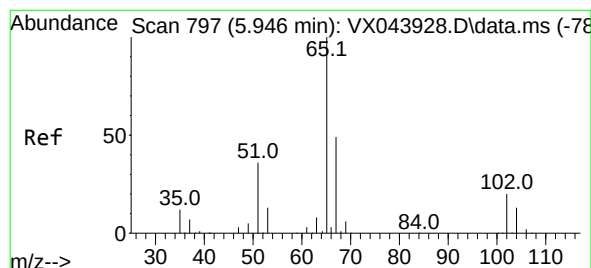
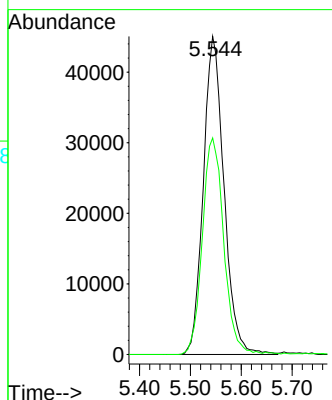
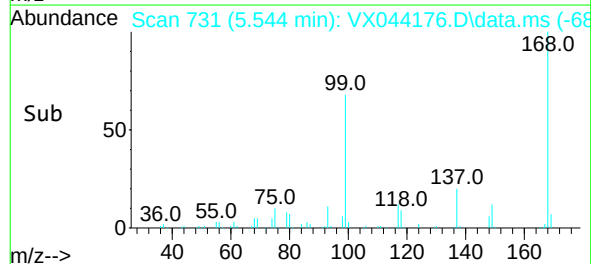


Tgt Ion:168 Resp: 127252

Ion Ratio Lower Upper

168 100

99 68.1 51.8 77.8



#33

1,2-Dichloroethane-d4

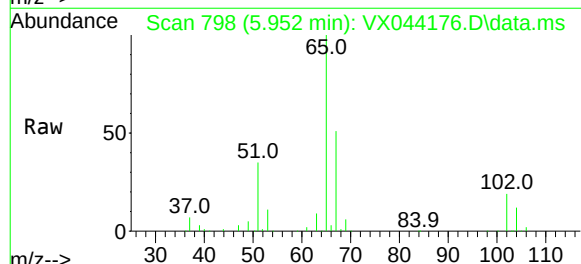
Concen: 52.347 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044176.D

Acq: 09 Dec 2024 10:35

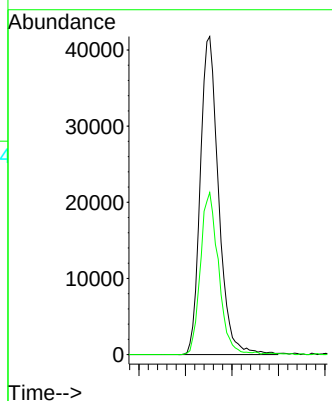
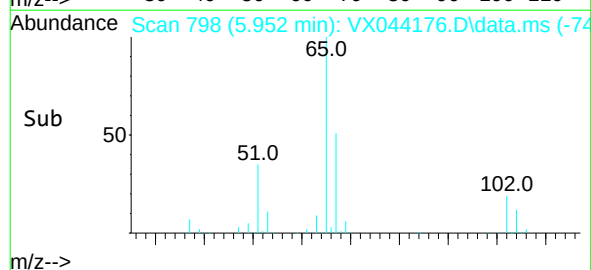


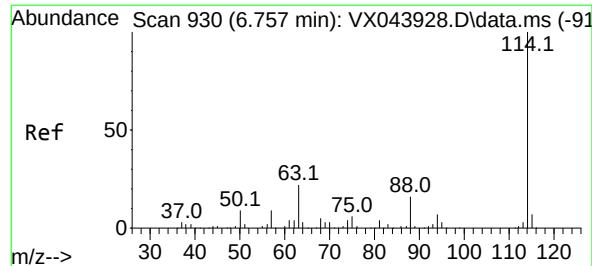
Tgt Ion: 65 Resp: 114252

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX044176.D

Acq: 09 Dec 2024 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

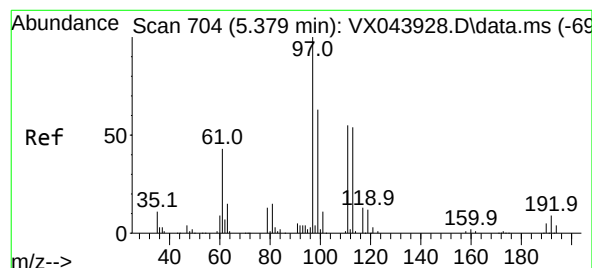
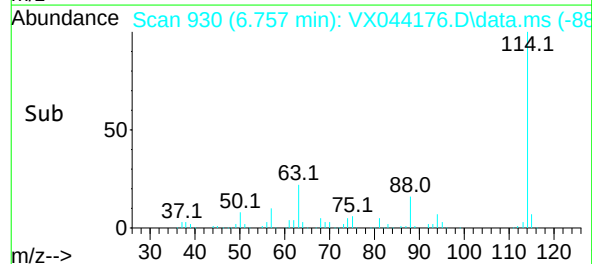
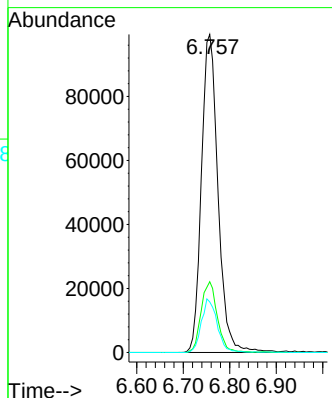
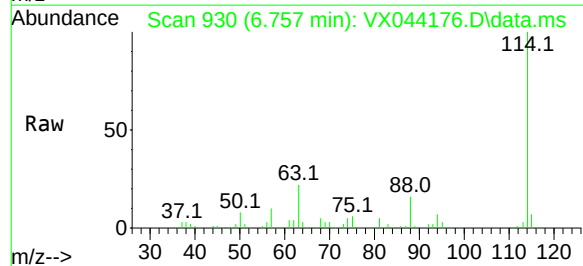
Tgt Ion:114 Resp: 245969

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 15.9 0.0 32.4



#35

Dibromofluoromethane

Concen: 46.407 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044176.D

Acq: 09 Dec 2024 10:35

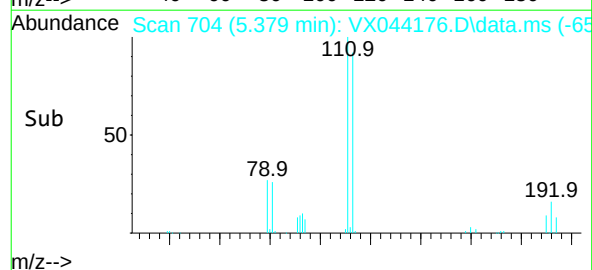
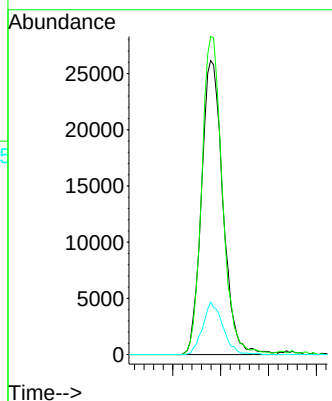
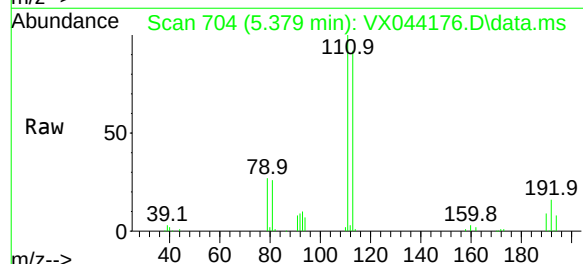
Tgt Ion:113 Resp: 81564

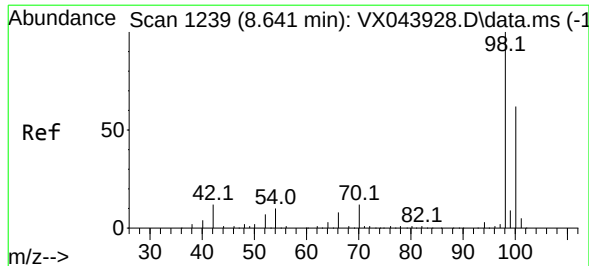
Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

192 16.8 13.0 19.6





#50

Toluene-d8

Concen: 50.070 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX044176.D

Acq: 09 Dec 2024 10:35

Instrument :

MSVOA_X

ClientSampleId :

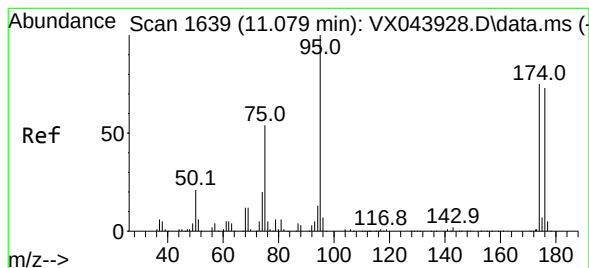
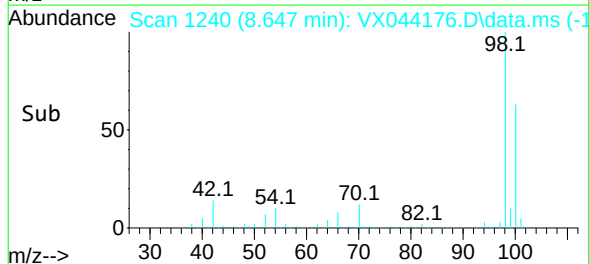
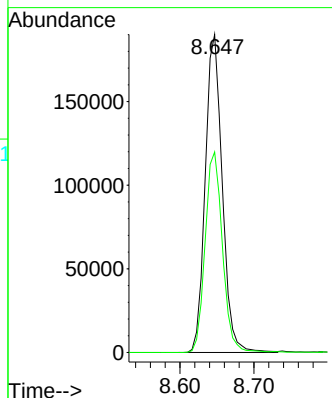
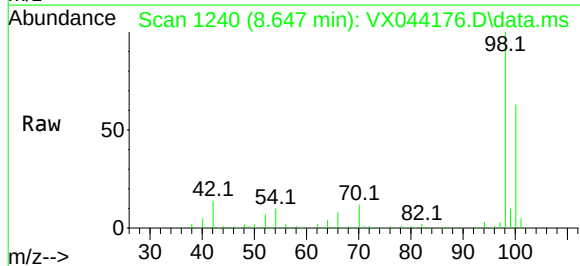
VX1209WBL01

Tgt Ion: 98 Resp: 303349

Ion Ratio Lower Upper

98 100

100 64.1 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 49.214 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044176.D

Acq: 09 Dec 2024 10:35

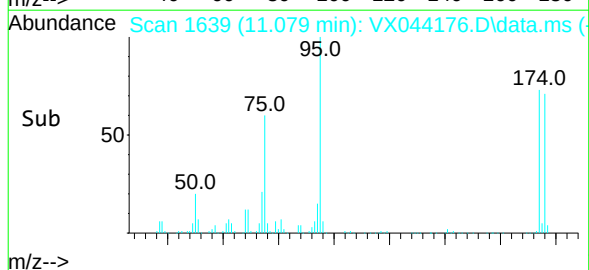
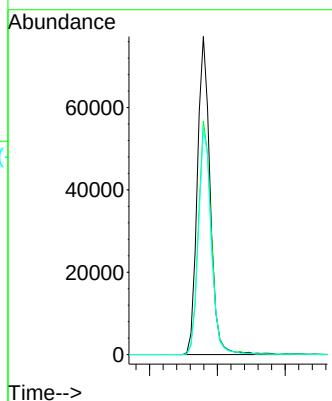
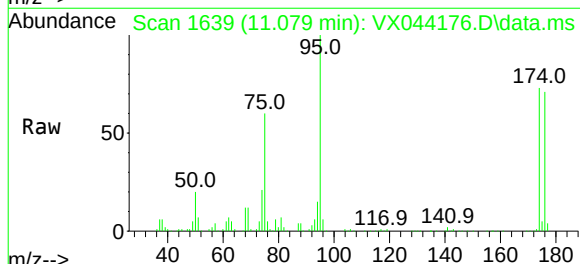
Tgt Ion: 95 Resp: 101473

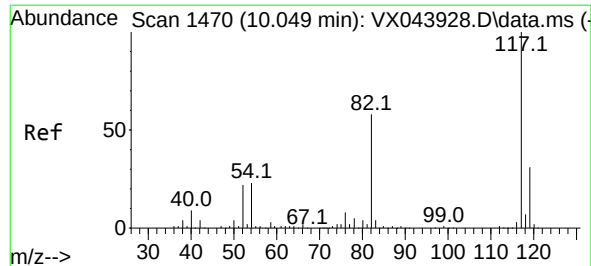
Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 71.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 14

Delta R.T. -0.000 min

Lab File: VX044176.D

Acq: 09 Dec 2024 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

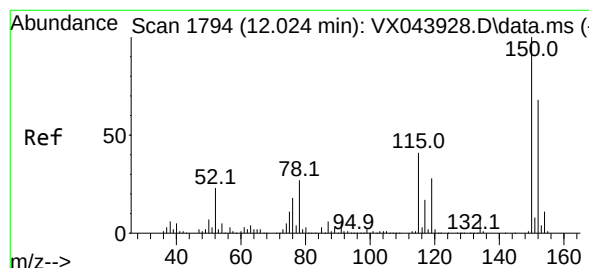
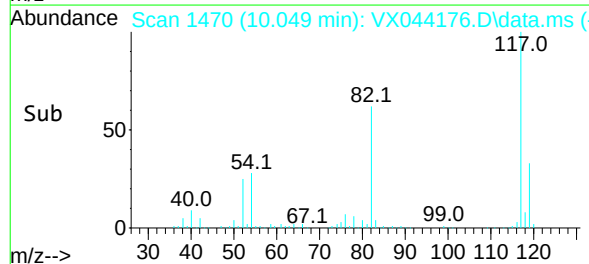
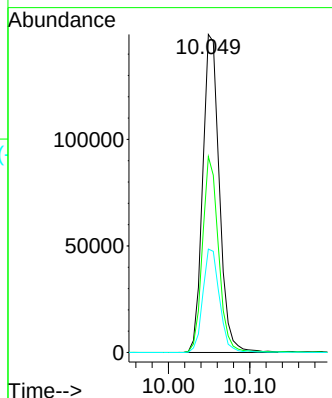
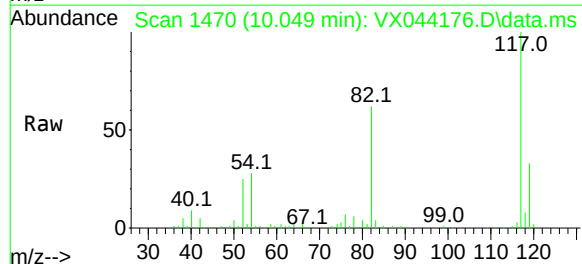
Tgt Ion:117 Resp: 212379

Ion Ratio Lower Upper

117 100

82 61.6 46.4 69.6

119 32.5 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044176.D

Acq: 09 Dec 2024 10:35

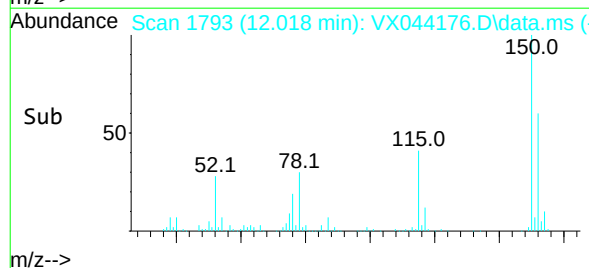
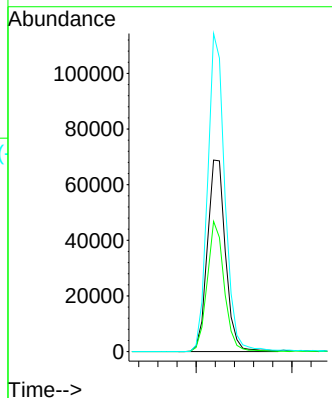
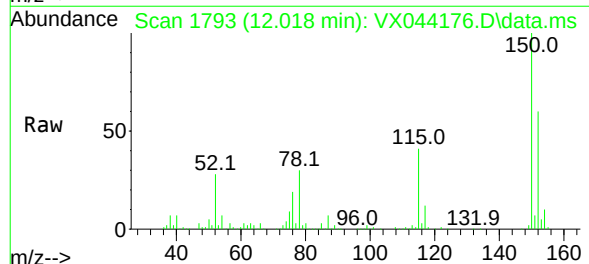
Tgt Ion:152 Resp: 90543

Ion Ratio Lower Upper

152 100

115 63.8 45.4 136.2

150 159.0 0.0 353.0



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1210WBL01		SDG No.:	P5164
Lab Sample ID:	VX1210WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	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
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	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
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1210WBL01	SDG No.:	P5164	
Lab Sample ID:	VX1210WBL01	Matrix:	Water	
Analytical Method:	SW8260	% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	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
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	110000	5.544				
540-36-3	1,4-Difluorobenzene	208000	6.757				
3114-55-4	Chlorobenzene-d5	179000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	71500	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1210WBL01		SDG No.:	P5164
Lab Sample ID:	VX1210WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044199.D	1		12/10/24 11:35	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Time: Dec 11 01:27:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	110263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94012	49.710	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.420%	
35) Dibromofluoromethane	5.385	113	68829	46.401	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	92.800%	
50) Toluene-d8	8.647	98	251203	49.128	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	98.260%	
62) 4-Bromofluorobenzene	11.079	95	82733	47.543	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	95.080%	

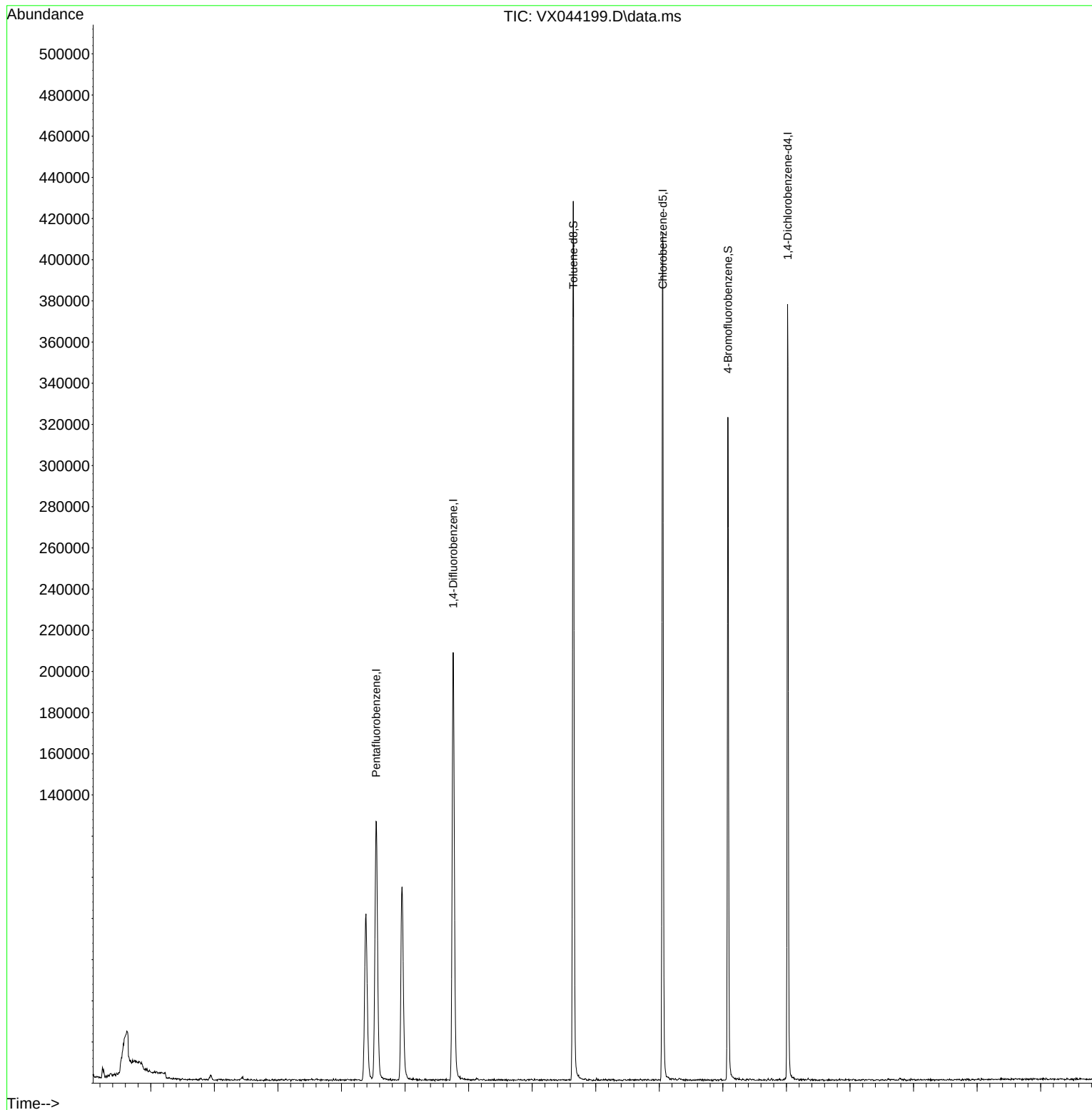
Target Compounds	Qvalue

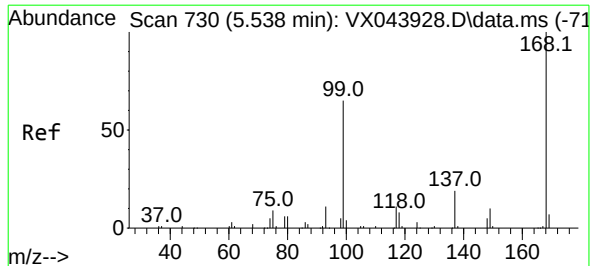
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044199.D
Acq On : 10 Dec 2024 11:35
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

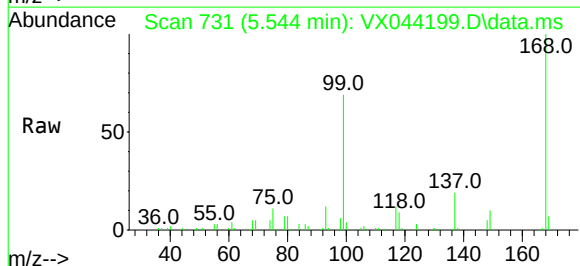
Quant Time: Dec 11 01:27:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



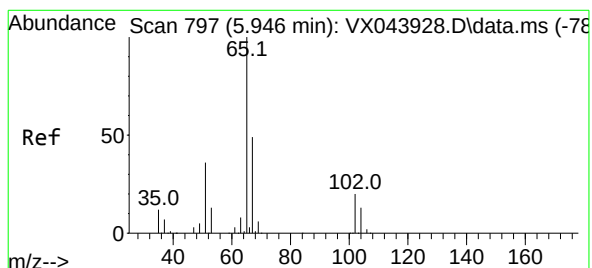
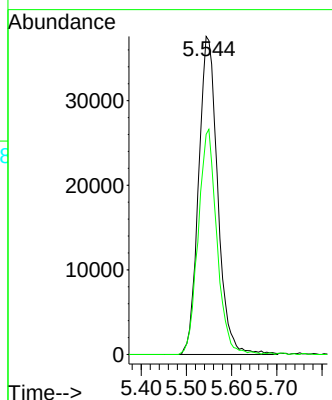
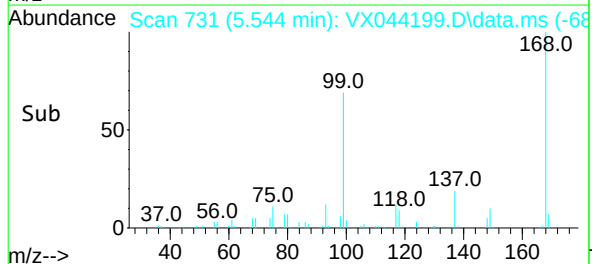


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35

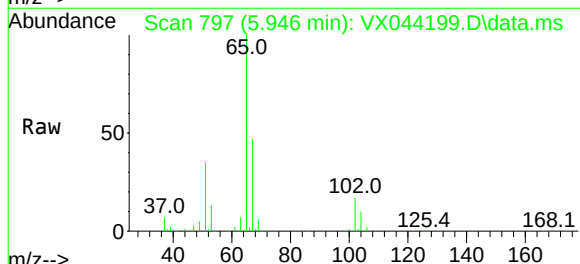
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01



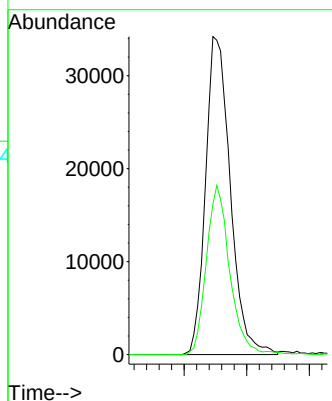
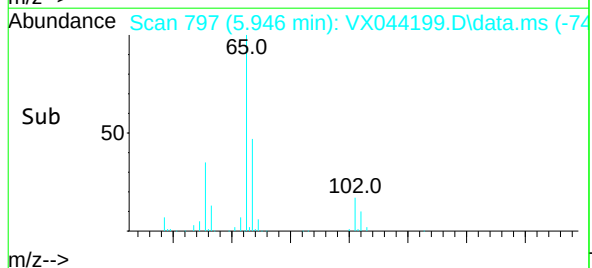
Tgt Ion: 168 Resp: 110263
Ion Ratio Lower Upper
168 100
99 69.2 51.8 77.8

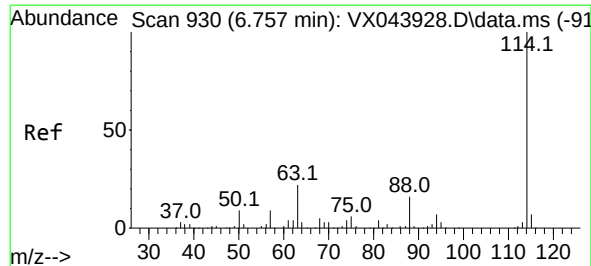


#33
1,2-Dichloroethane-d4
Concen: 49.710 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX044199.D
Acq: 10 Dec 2024 11:35



Tgt Ion: 65 Resp: 94012
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

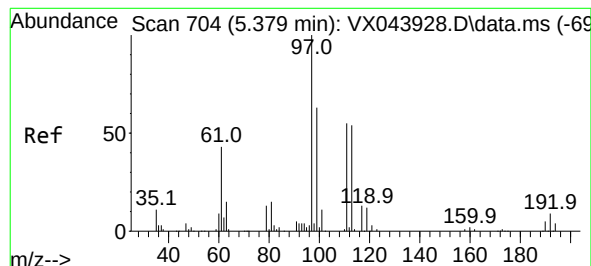
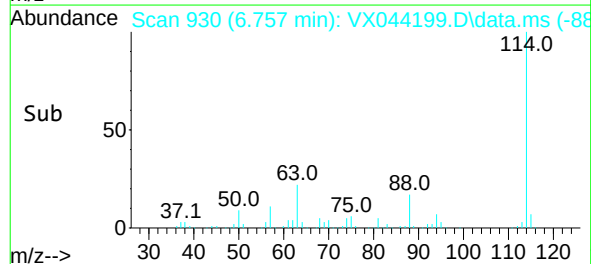
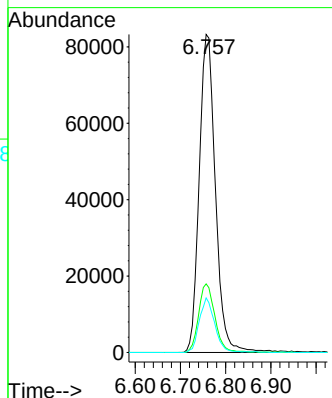
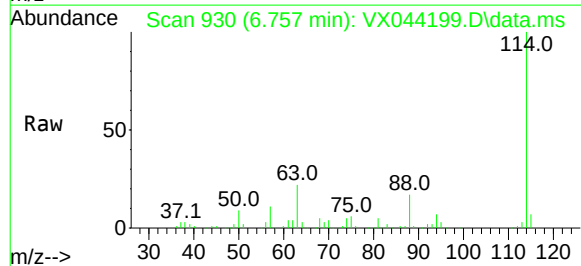
Tgt Ion:114 Resp: 207593

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.0

88 17.2 0.0 32.4



#35

Dibromofluoromethane

Concen: 46.401 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

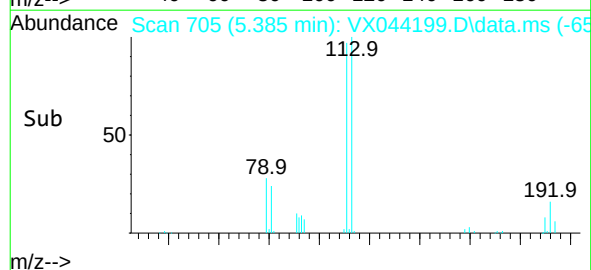
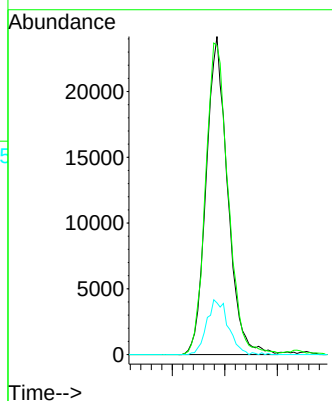
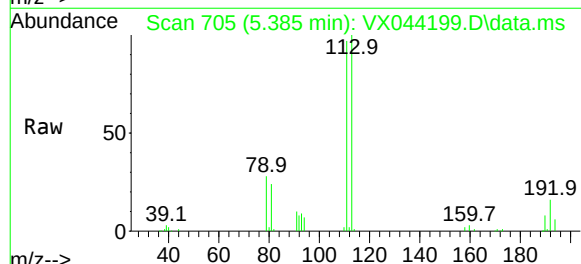
Tgt Ion:113 Resp: 68829

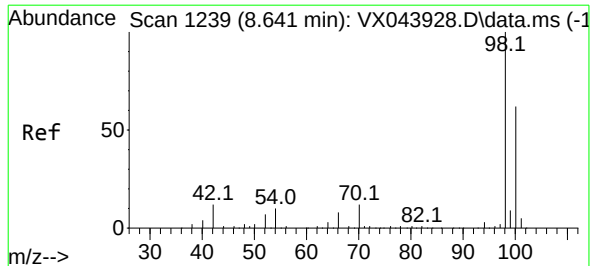
Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

192 17.3 13.0 19.6





#50

Toluene-d8

Concen: 49.128 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

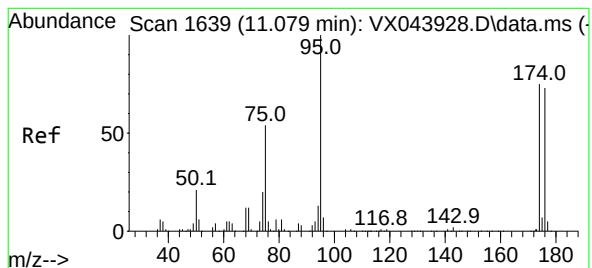
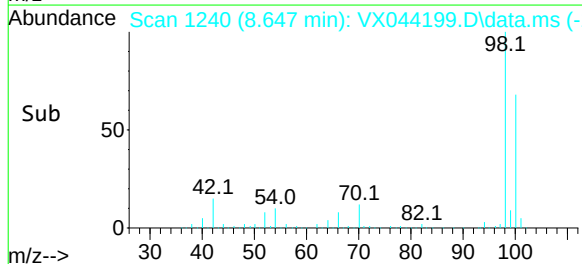
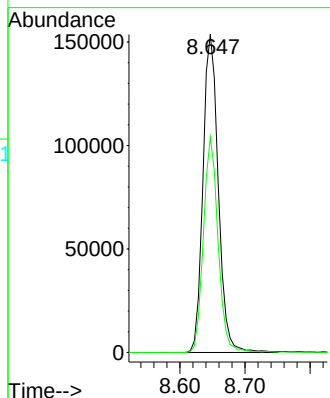
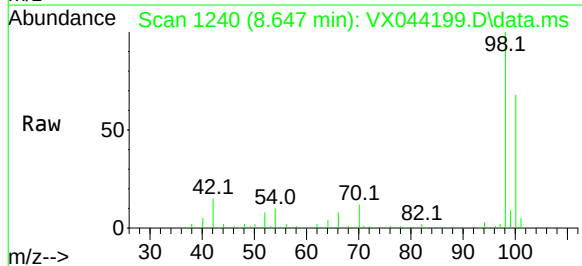
VX1210WBL01

Tgt Ion: 98 Resp: 251203

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 47.543 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

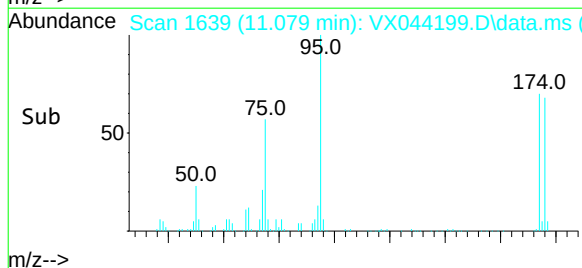
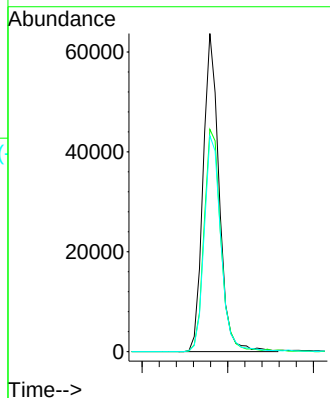
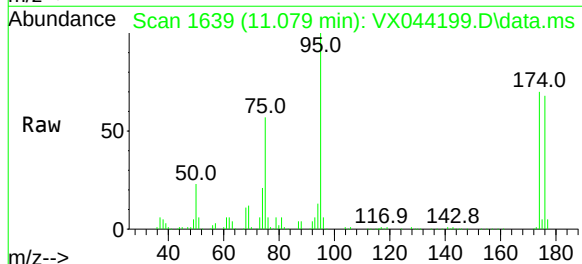
Tgt Ion: 95 Resp: 82733

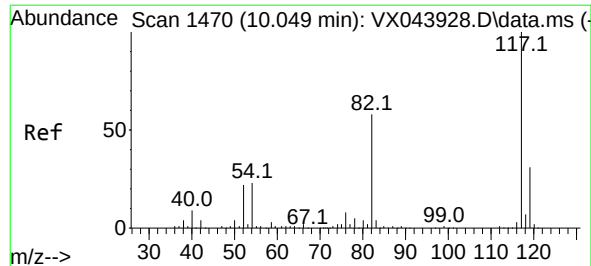
Ion Ratio Lower Upper

95 100

174 72.6 0.0 150.4

176 70.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

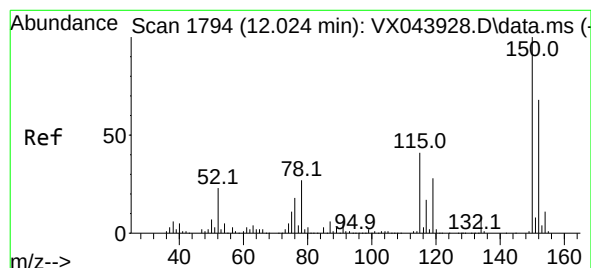
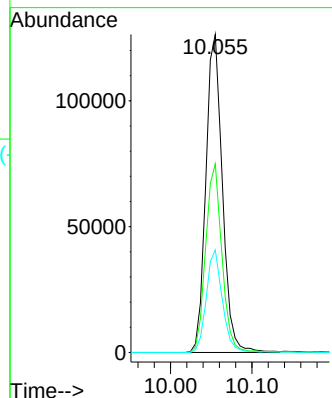
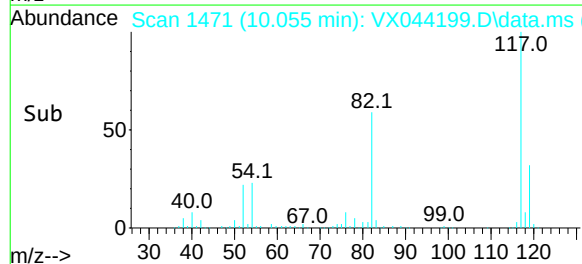
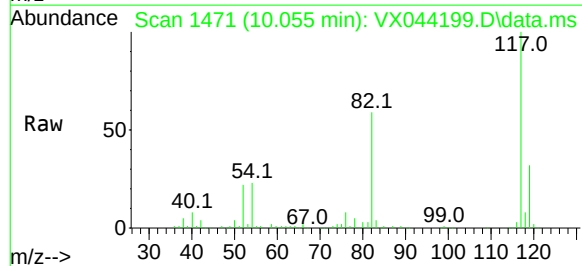
Tgt Ion:117 Resp: 178508

Ion Ratio Lower Upper

117 100

82 59.3 46.4 69.6

119 32.2 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

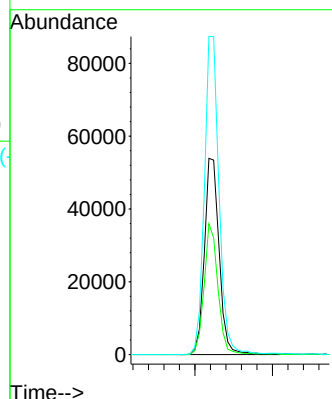
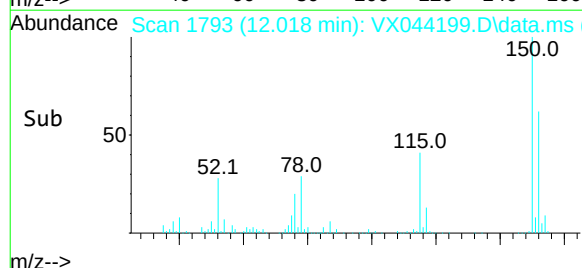
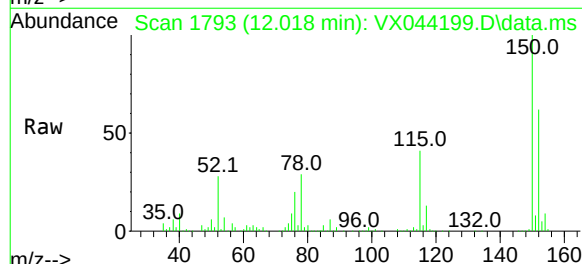
Tgt Ion:152 Resp: 71476

Ion Ratio Lower Upper

152 100

115 62.7 45.4 136.2

150 160.5 0.0 353.0



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1209WBS01		SDG No.:	P5164
Lab Sample ID:	VX1209WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044178.D	1		12/09/24 11:24	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	14.8		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	15.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.0		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.9		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	96.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.8		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	99.5		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.4		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.1		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	15.8		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.6		0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1209WBS01		SDG No.:	P5164
Lab Sample ID:	VX1209WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044178.D	1		12/09/24 11:24	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.1		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.6		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.55				
540-36-3	1,4-Difluorobenzene	244000	6.757				
3114-55-4	Chlorobenzene-d5	209000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	95800	12.018				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1209WBS01		SDG No.:	P5164
Lab Sample ID:	VX1209WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044178.D	1		12/09/24 11:24	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

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\VX120924\
 Data File : VX044178.D
 Acq On : 09 Dec 2024 11:24
 Operator : JC/MD
 Sample : VX1209WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

Quant Time: Dec 10 01:38:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	138067	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	244472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	208975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95808	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	121268	51.209	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.420%
35) Dibromofluoromethane	5.379	113	87968	50.357	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.720%
50) Toluene-d8	8.647	98	293099	48.674	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.340%
62) 4-Bromofluorobenzene	11.079	95	104206	50.849	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25847	14.777	ug/l	99
3) Chloromethane	1.295	50	29200	15.865	ug/l	99
4) Vinyl Chloride	1.374	62	31291	15.983	ug/l	99
5) Bromomethane	1.593	94	23368	19.403	ug/l	94
6) Chloroethane	1.666	64	23761	19.919	ug/l	99
7) Trichlorofluoromethane	1.868	101	68333	19.523	ug/l	99
8) Diethyl Ether	2.130	74	24094	18.887	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	30299	18.148	ug/l	99
10) Methyl Iodide	2.441	142	37303	17.890	ug/l	97
11) Tert butyl alcohol	2.989	59	33332	87.693	ug/l	99
12) 1,1-Dichloroethene	2.307	96	26910	16.915	ug/l	98
13) Acrolein	2.233	56	41729	104.156	ug/l	95
14) Allyl chloride	2.654	41	46940	18.057	ug/l	96
15) Acrylonitrile	3.069	53	89926	97.083	ug/l	98
16) Acetone	2.386	43	105420	96.925	ug/l	98
17) Carbon Disulfide	2.502	76	45722	13.932	ug/l	97
18) Methyl Acetate	2.703	43	50065	19.766	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	116673	20.197	ug/l	98
20) Methylene Chloride	2.782	84	33093	17.930	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	29302	17.839	ug/l	96
22) Diisopropyl ether	3.764	45	109479	19.695	ug/l	97
23) Vinyl Acetate	3.721	43	463465	97.466	ug/l	99
24) 1,1-Dichloroethane	3.599	63	60828	18.969	ug/l	98
25) 2-Butanone	4.562	43	139590	99.466	ug/l	99
26) 2,2-Dichloropropane	4.465	77	53179	18.362	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	37635	18.536	ug/l	99
28) Bromochloromethane	4.891	49	30600	21.678	ug/l	97
29) Tetrahydrofuran	5.007	42	84862	98.634	ug/l	99
30) Chloroform	5.087	83	67049	19.440	ug/l	94
31) Cyclohexane	5.458	56	47372	17.949	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	57469	19.322	ug/l	100
36) 1,1-Dichloropropene	5.690	75	41223	18.937	ug/l	98
37) Ethyl Acetate	4.715	43	52058	19.266	ug/l	99
38) Carbon Tetrachloride	5.672	117	44537	18.208	ug/l	95
39) Methylcyclohexane	7.373	83	51187	18.100	ug/l	95
40) Benzene	6.031	78	125330	18.484	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044178.D
 Acq On : 09 Dec 2024 11:24
 Operator : JC/MD
 Sample : VX1209WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

Quant Time: Dec 10 01:38:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28061	20.290	ug/l	95
42) 1,2-Dichloroethane	6.086	62	54359	19.961	ug/l	98
43) Isopropyl Acetate	6.342	43	87044	20.241	ug/l	99
44) Trichloroethene	7.123	130	30375	15.824	ug/l	88
45) 1,2-Dichloropropane	7.428	63	31819	19.160	ug/l	96
46) Dibromomethane	7.580	93	25677	19.545	ug/l	99
47) Bromodichloromethane	7.818	83	45411	19.274	ug/l	94
48) Methyl methacrylate	7.690	41	39967	19.369	ug/l	98
49) 1,4-Dioxane	7.665	88	9999	272.034	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	272719	103.922	ug/l	97
52) Toluene	8.714	92	79528	19.596	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	45407	18.899	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	50210	19.063	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	32520	19.411	ug/l	95
56) Ethyl methacrylate	9.116	69	52628	20.168	ug/l	99
57) 1,3-Dichloropropane	9.305	76	56861	20.148	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	120482	83.607	ug/l	98
59) 2-Hexanone	9.433	43	206270	104.575	ug/l	99
60) Dibromochloromethane	9.519	129	31752	18.890	ug/l	98
61) 1,2-Dibromoethane	9.610	107	33872	19.995	ug/l	97
64) Tetrachloroethene	9.269	164	27438	19.912	ug/l	94
65) Chlorobenzene	10.079	112	86930	18.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	29738	19.979	ug/l	98
67) Ethyl Benzene	10.189	91	153285	19.709	ug/l	99
68) m/p-Xylenes	10.299	106	112617	38.830	ug/l	98
69) o-Xylene	10.640	106	57207	20.202	ug/l	98
70) Styrene	10.653	104	91943	19.631	ug/l	99
71) Bromoform	10.799	173	17741	17.090	ug/l #	98
73) Isopropylbenzene	10.963	105	148847	20.211	ug/l	99
74) N-amyl acetate	10.842	43	68730	20.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	50588	20.061	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42281m	20.124	ug/l	
77) Bromobenzene	11.195	156	34426	19.595	ug/l	99
78) n-propylbenzene	11.305	91	165076	20.069	ug/l	100
79) 2-Chlorotoluene	11.360	91	103092	19.821	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	121500	20.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12436	16.151	ug/l	88
82) 4-Chlorotoluene	11.451	91	115232	19.624	ug/l	99
83) tert-Butylbenzene	11.713	119	122790	20.446	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	124841	20.696	ug/l	96
85) sec-Butylbenzene	11.890	105	148512	20.184	ug/l	100
86) p-Isopropyltoluene	12.006	119	125408	20.982	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	61556	19.238	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	61826	18.952	ug/l	95
89) n-Butylbenzene	12.329	91	104032	19.742	ug/l	99
90) Hexachloroethane	12.536	117	17841	17.554	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	61888	19.166	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9884	19.561	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	35332	18.559	ug/l	100
94) Hexachlorobutadiene	13.725	225	14463	19.222	ug/l	97
95) Naphthalene	13.774	128	139855	20.408	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	37158	19.284	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:38:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

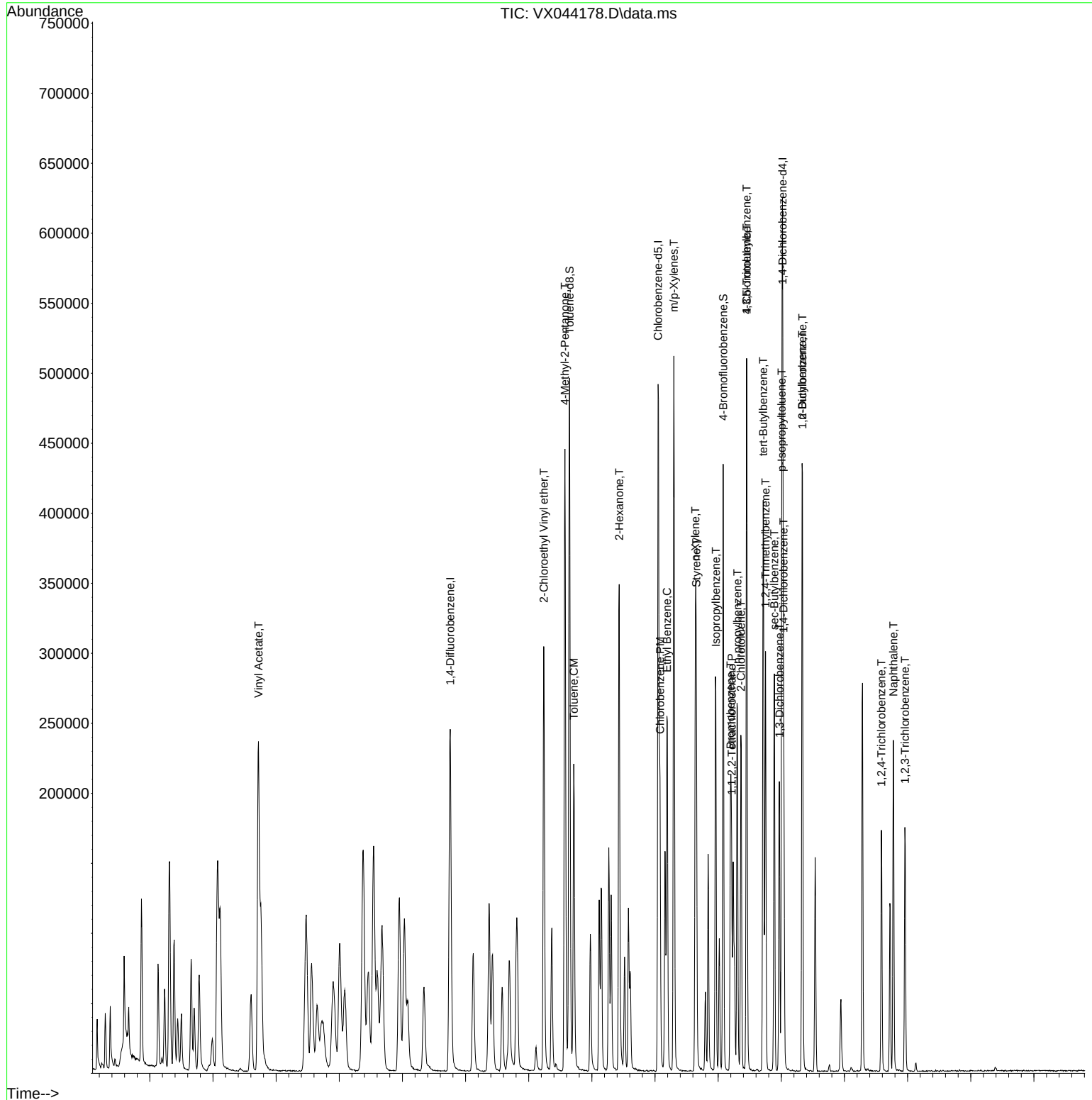
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Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

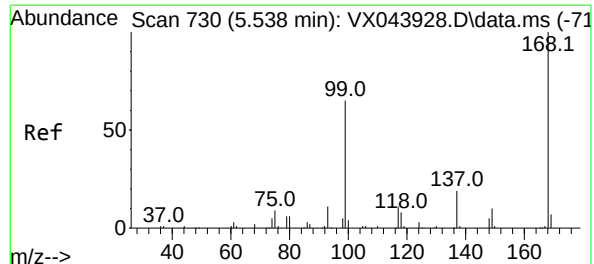
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:38:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 73

Delta R.T. 0.012 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 168 Resp: 138067

Ion Ratio Lower Upper

168 100

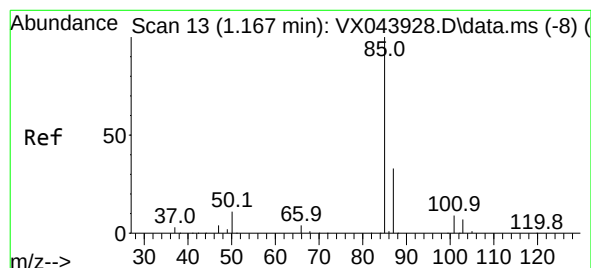
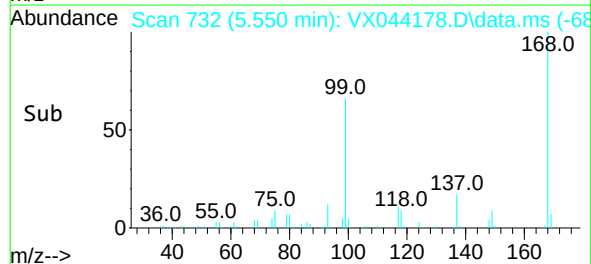
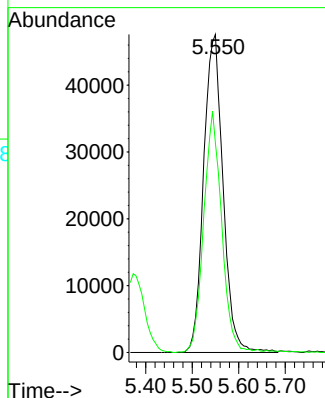
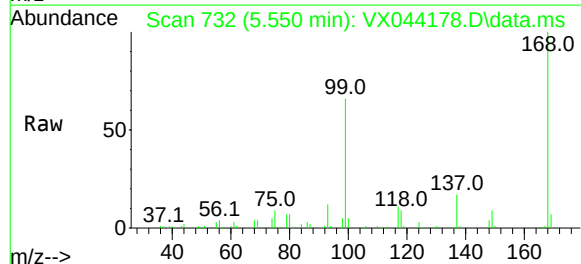
99 65.6 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#2

Dichlorodifluoromethane

Concen: 14.777 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX044178.D

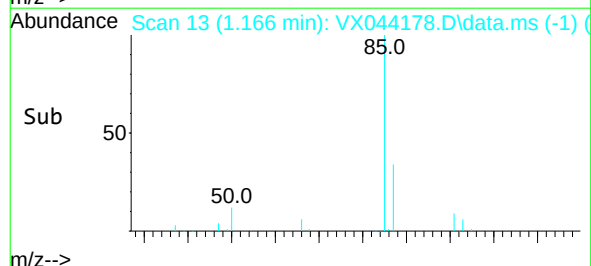
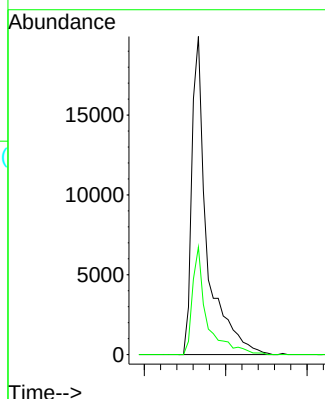
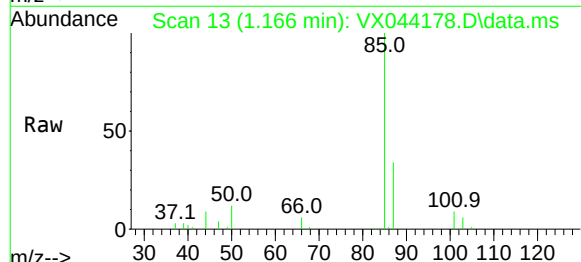
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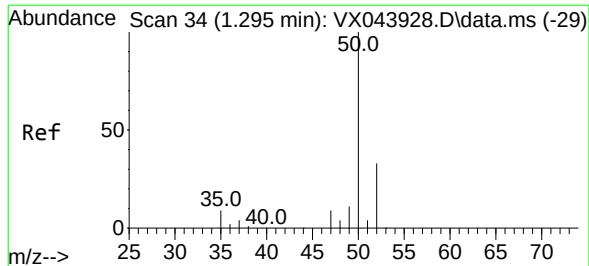
Tgt Ion: 85 Resp: 25847

Ion Ratio Lower Upper

85 100

87 33.8 16.6 49.8





#3

Chloromethane

Concen: 15.865 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 50 Resp: 29200

Ion Ratio Lower Upper

50 100

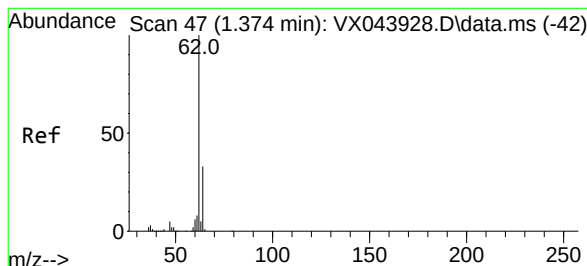
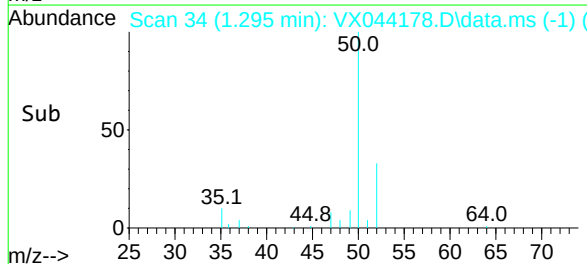
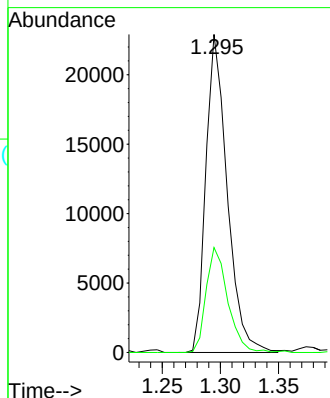
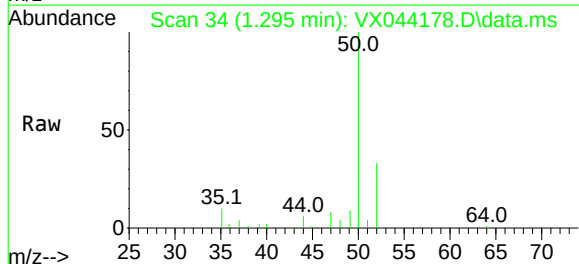
52 33.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#4

Vinyl Chloride

Concen: 15.983 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044178.D

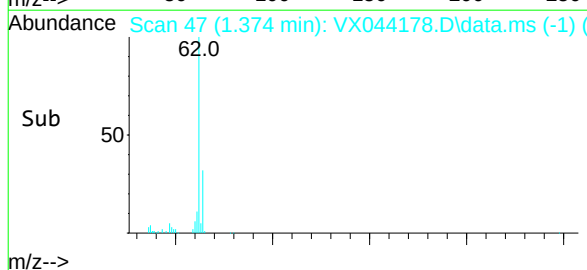
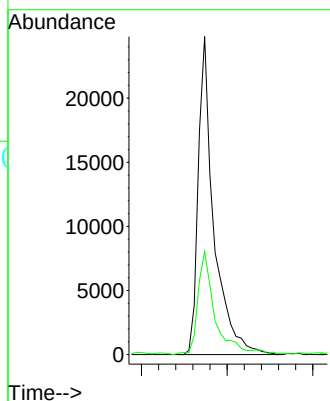
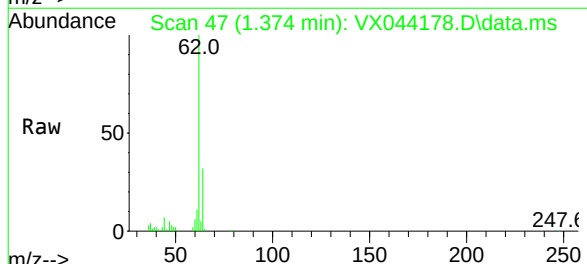
Acq: 09 Dec 2024 11:24

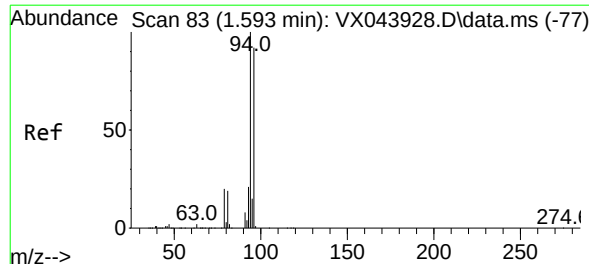
Tgt Ion: 62 Resp: 31291

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 19.403 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 94 Resp: 23368

Ion Ratio Lower Upper

94 100

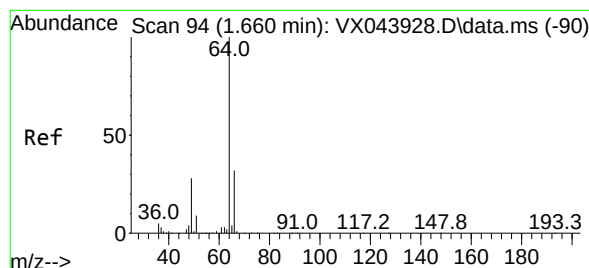
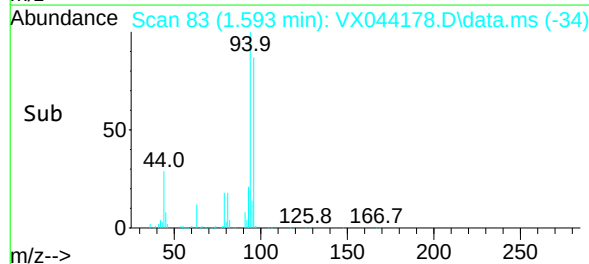
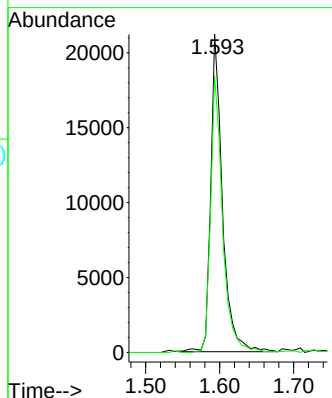
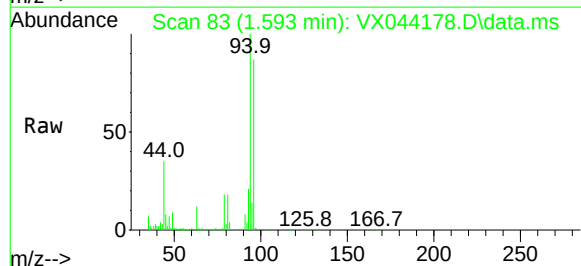
96 86.9 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#6

Chloroethane

Concen: 19.919 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044178.D

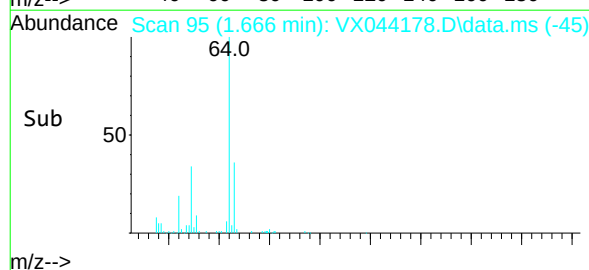
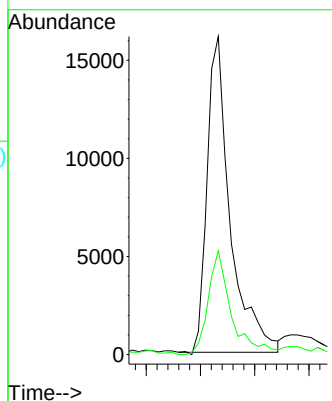
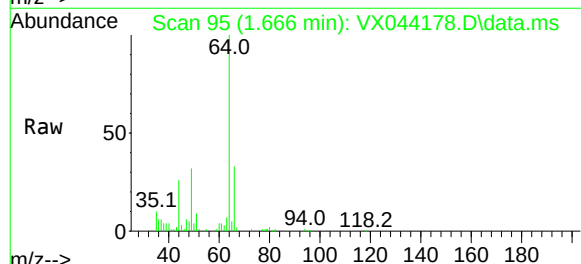
Acq: 09 Dec 2024 11:24

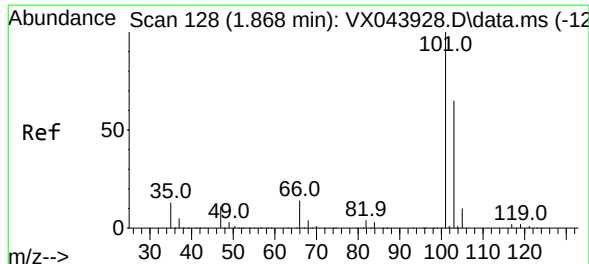
Tgt Ion: 64 Resp: 23761

Ion Ratio Lower Upper

64 100

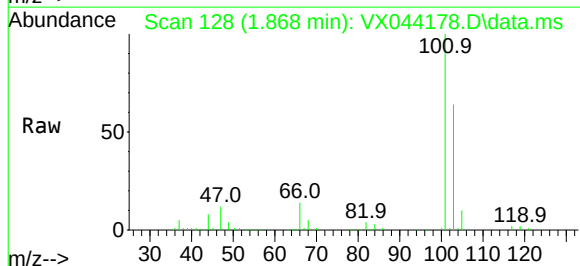
66 32.9 25.9 38.9





#7
Trichlorofluoromethane
Concen: 19.523 ug/l
RT: 1.868 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

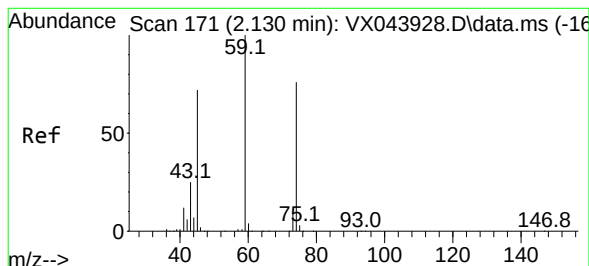
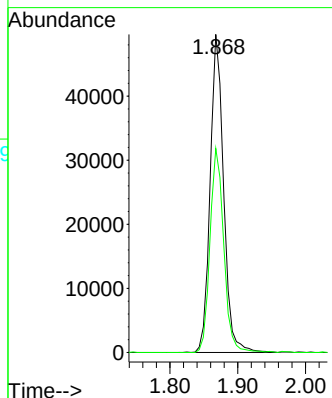
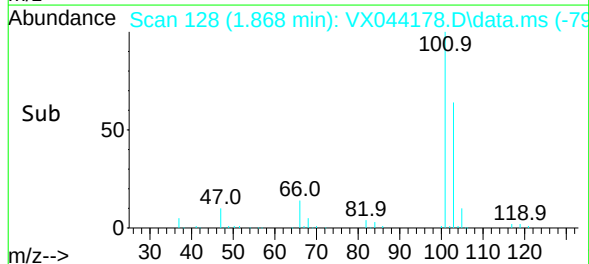
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01



Tgt Ion: 101 Resp: 68333
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2

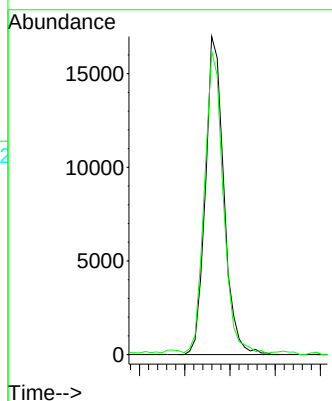
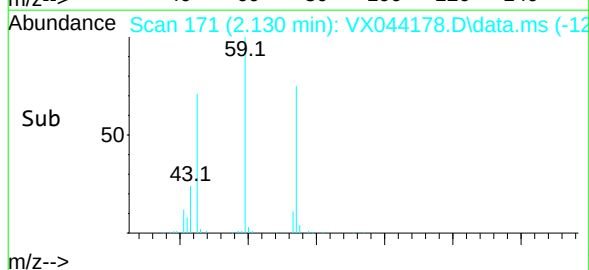
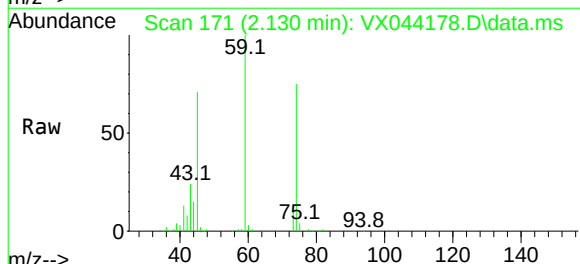
Manual Integrations
APPROVED

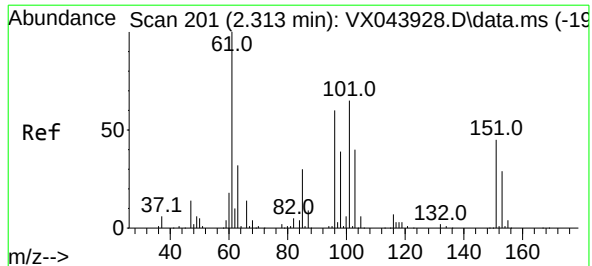
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#8
Diethyl Ether
Concen: 18.887 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 74 Resp: 24094
Ion Ratio Lower Upper
74 100
45 96.9 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.148 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

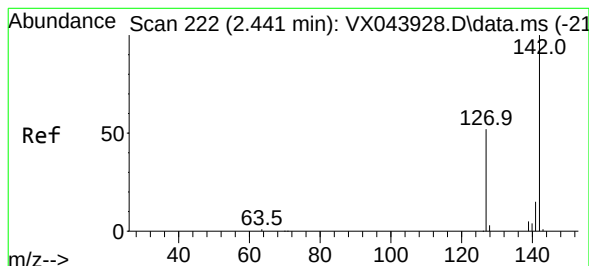
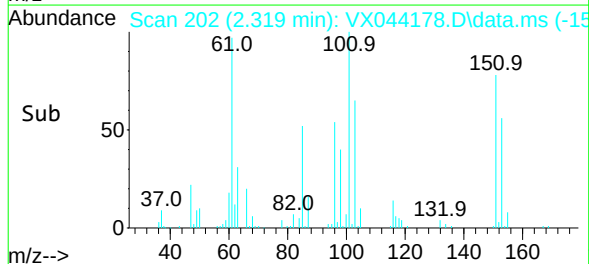
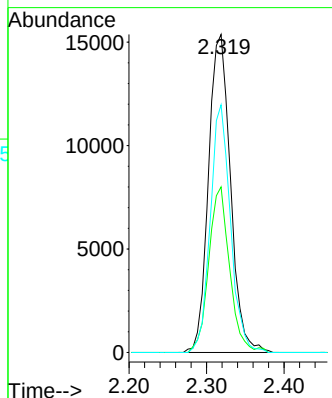
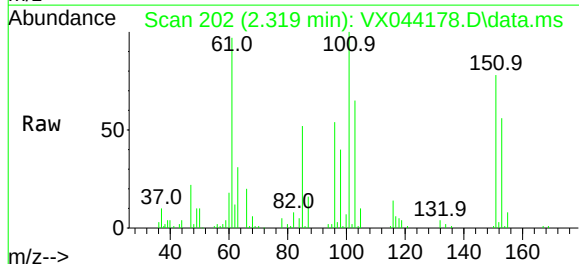
ClientSampleId :

VX1209WBS01

Tgt Ion:	101	Resp:	30299
Ion Ratio	Lower	Upper	
101	100		
85	49.5	37.9	56.9
151	71.8	57.5	86.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#10

Methyl Iodide

Concen: 17.890 ug/l

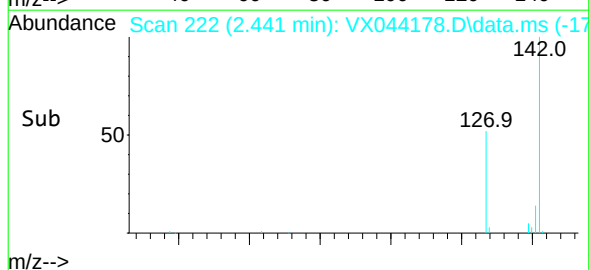
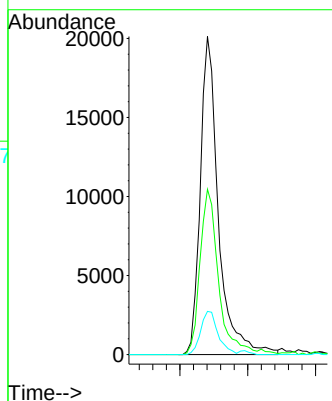
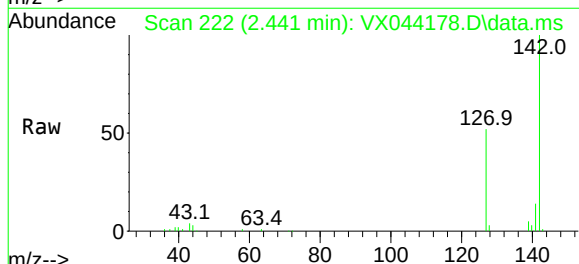
RT: 2.441 min Scan# 222

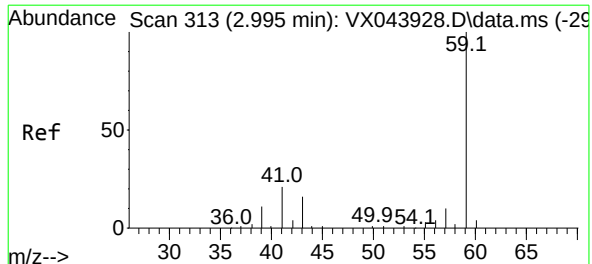
Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	142	Resp:	37303
Ion Ratio	Lower	Upper	
142	100		
127	52.8	40.7	61.1
141	13.1	12.0	18.0





#11

Tert butyl alcohol

Concen: 87.693 ug/l

RT: 2.989 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 59 Resp: 33332

Ion Ratio Lower Upper

59 100

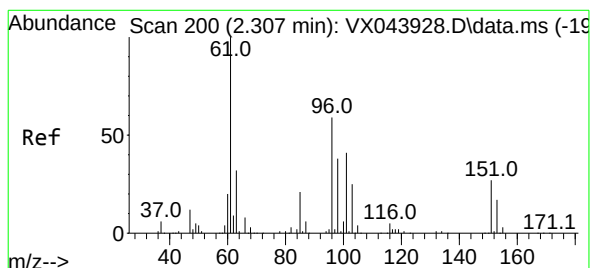
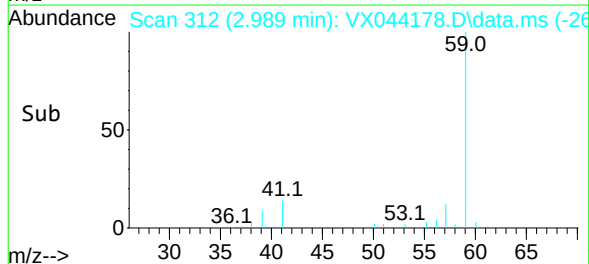
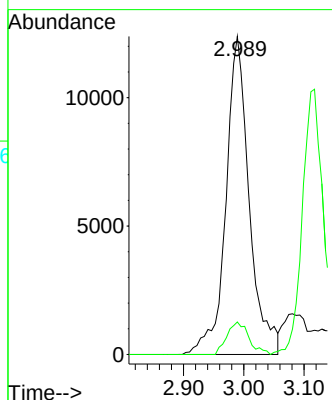
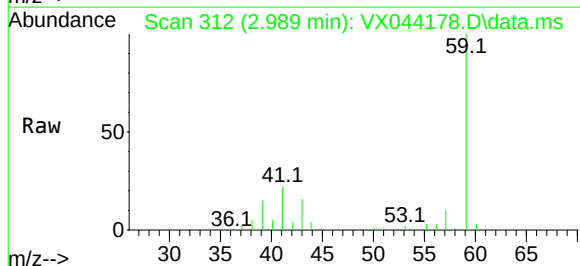
57 9.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 16.915 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

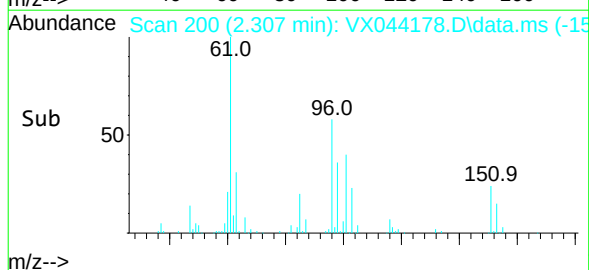
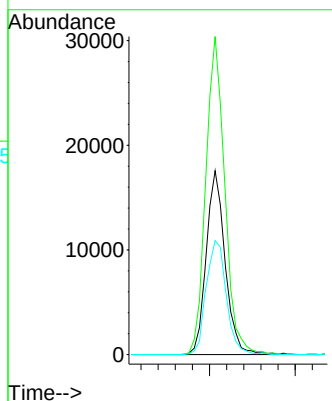
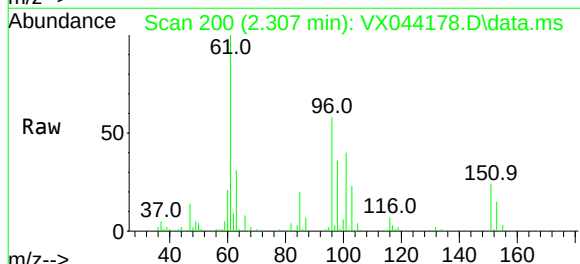
Tgt Ion: 96 Resp: 26910

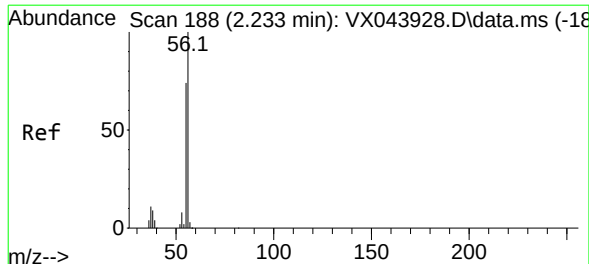
Ion Ratio Lower Upper

96 100

61 173.0 135.5 203.3

98 62.0 50.8 76.2





#13

Acrolein

Concen: 104.156 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion: 56 Resp: 41729

Ion Ratio Lower Upper

56 100

55 68.8 58.2 87.2

Instrument :

MSVOA_X

ClientSampleId :

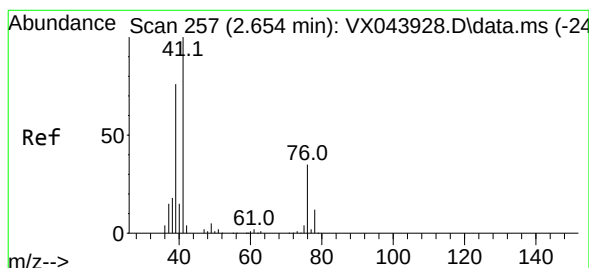
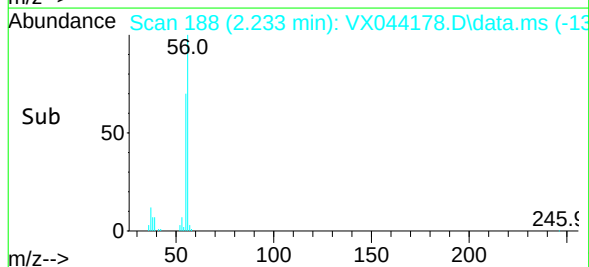
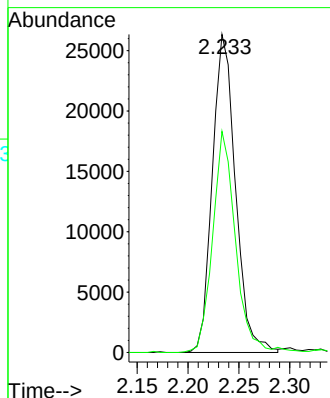
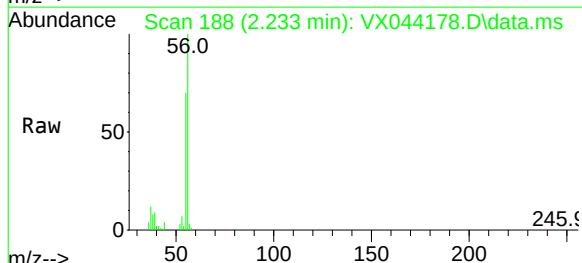
VX1209WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 18.057 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

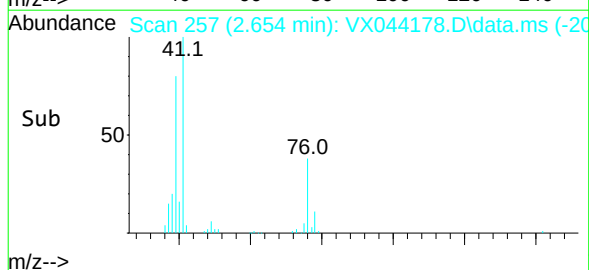
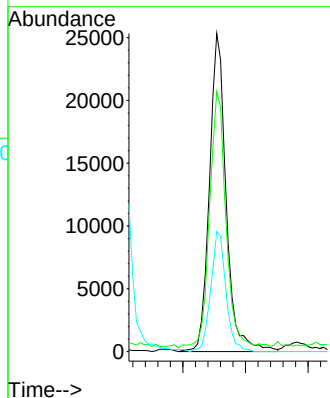
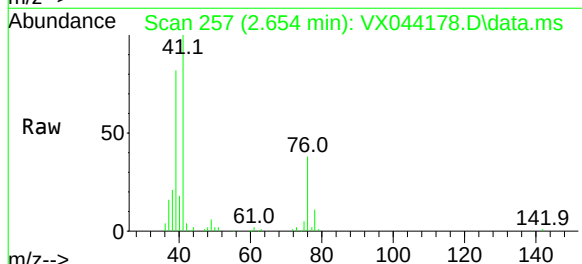
Tgt Ion: 41 Resp: 46940

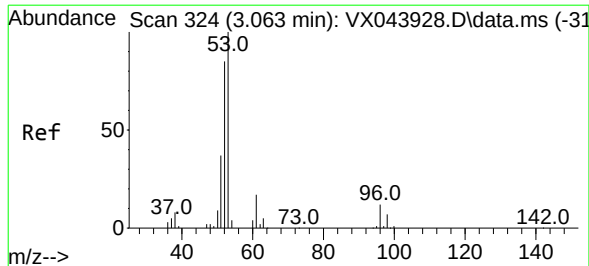
Ion Ratio Lower Upper

41 100

39 78.9 59.5 89.3

76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 97.083 ug/l

RT: 3.069 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

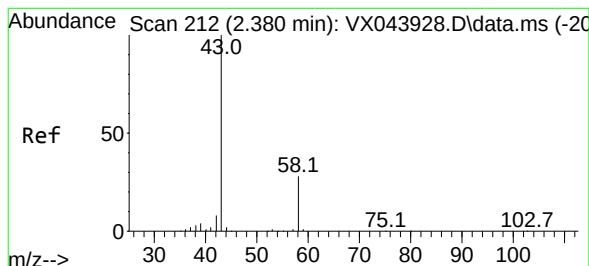
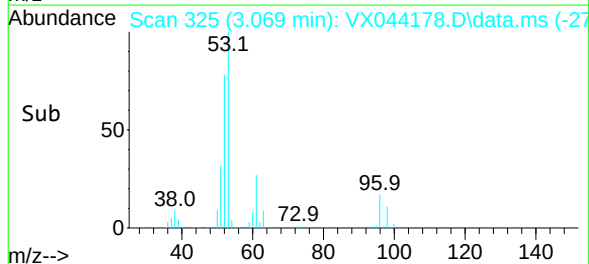
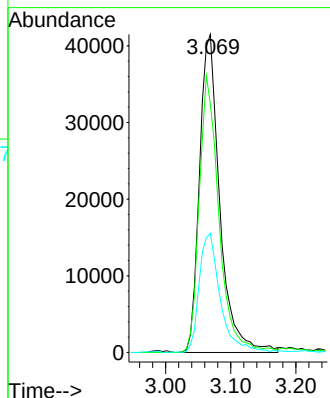
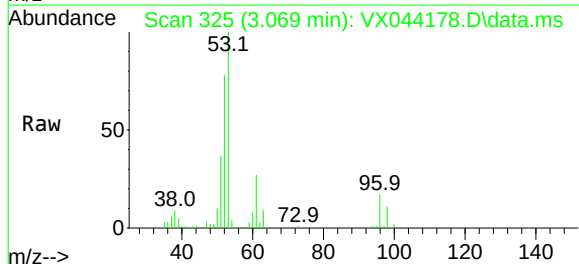
Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 53	Resp: 89926
Ion Ratio	Lower Upper
53 100	
52 84.6	66.5 99.7
51 38.9	30.2 45.4

Manual Integrations
APPROVEDReviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

#16

Acetone

Concen: 96.925 ug/l

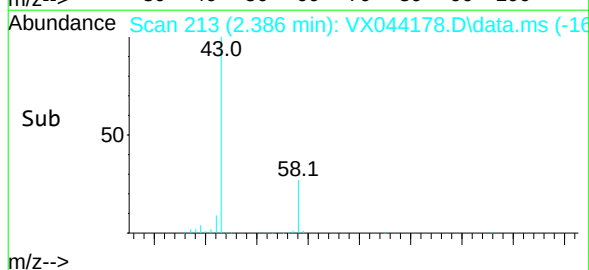
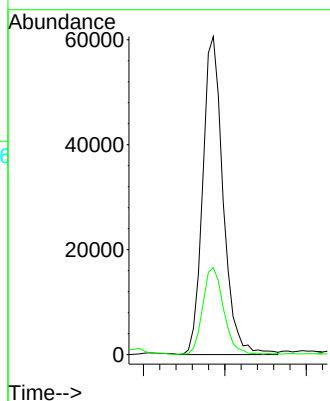
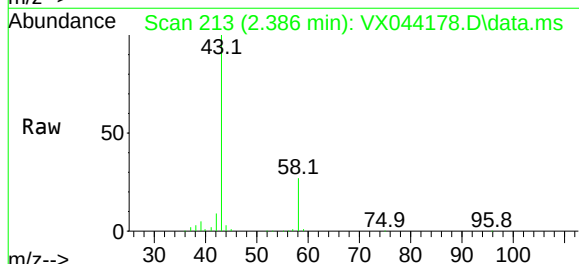
RT: 2.386 min Scan# 213

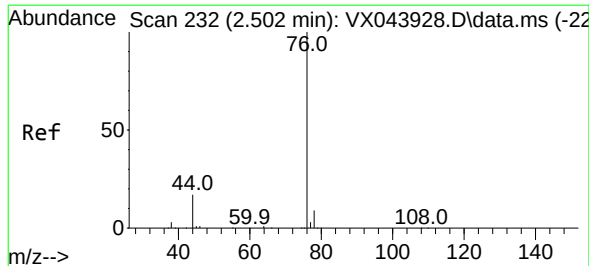
Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion: 43	Resp: 105420
Ion Ratio	Lower Upper
43 100	
58 27.2	22.7 34.1





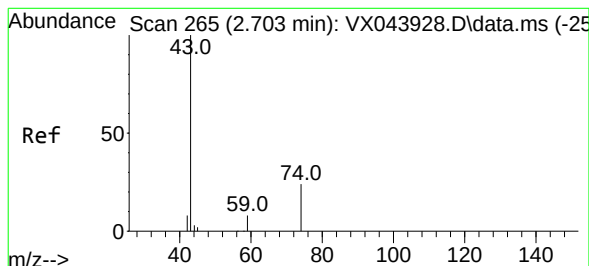
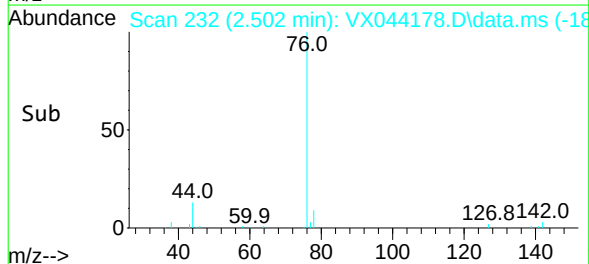
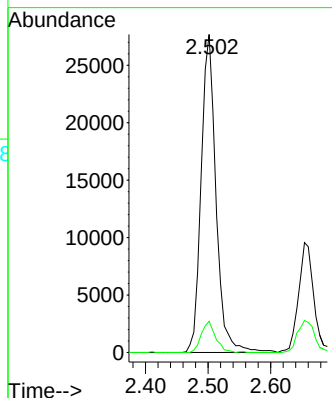
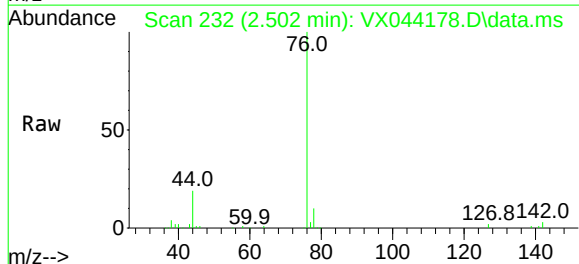
#17
Carbon Disulfide
Concen: 13.932 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Tgt Ion: 76 Resp: 45722
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6

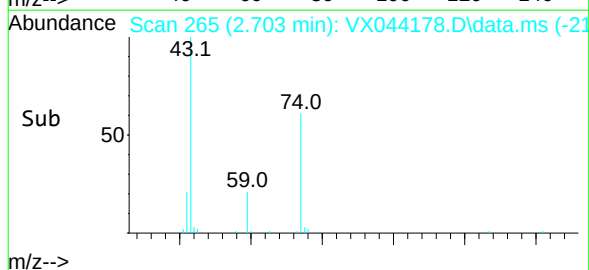
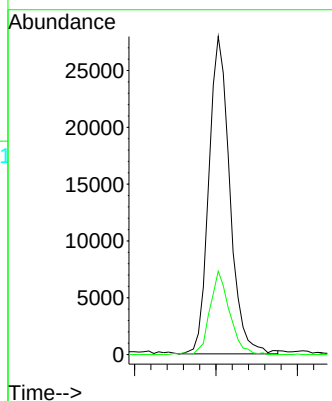
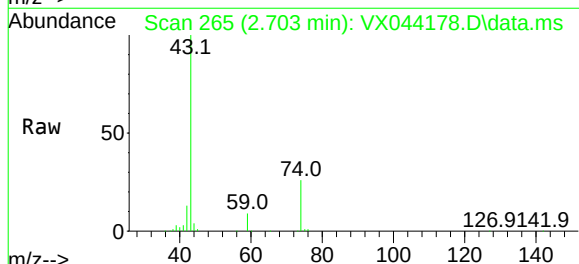
Manual Integrations
APPROVED

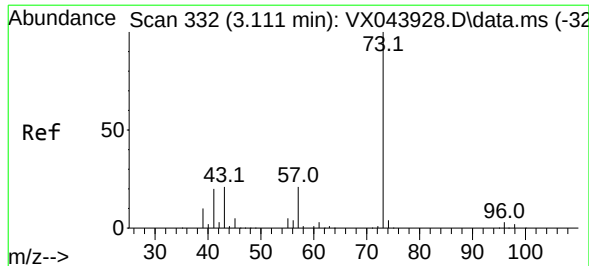
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#18
Methyl Acetate
Concen: 19.766 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 50065
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 20.197 ug/l

RT: 3.117 min Scan# 33

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 73 Resp: 116673

Ion Ratio Lower Upper

73 100

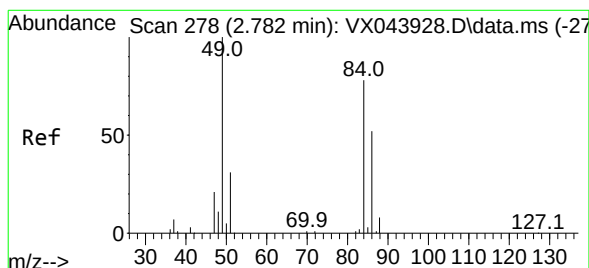
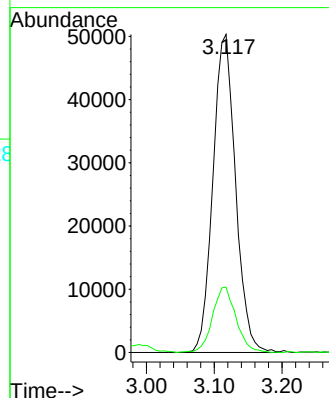
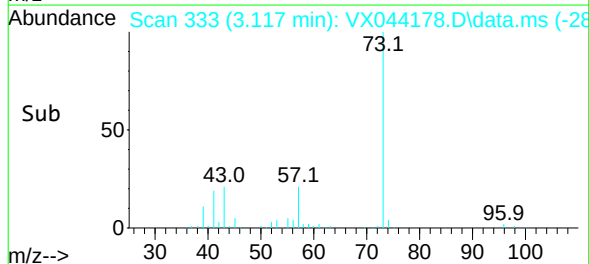
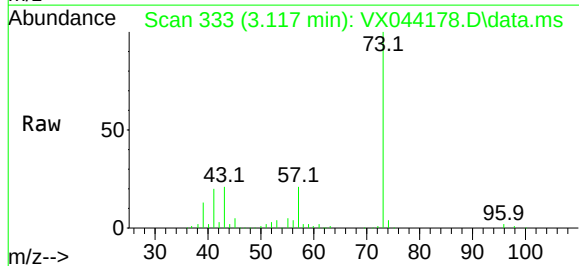
57 20.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 17.930 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion: 84 Resp: 33093

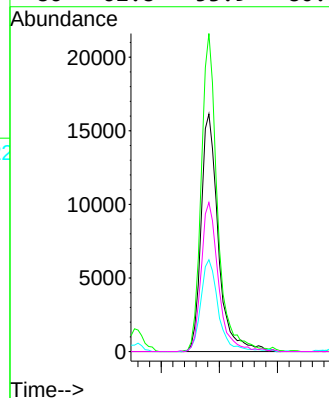
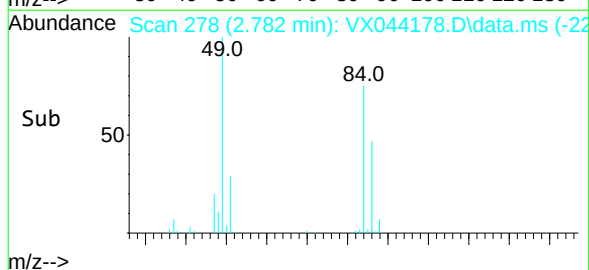
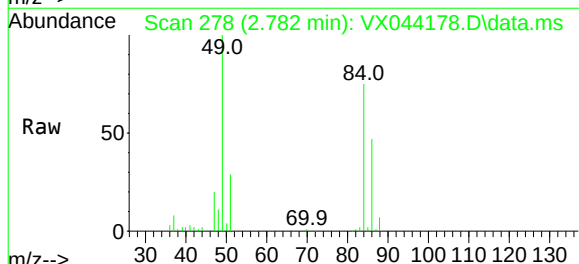
Ion Ratio Lower Upper

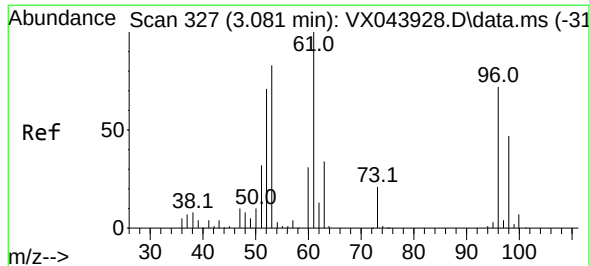
84 100

49 133.8 102.7 154.1

51 38.7 31.7 47.5

86 62.8 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 17.839 ug/l

RT: 3.081 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 96 Resp: 29302

Ion Ratio Lower Upper

96 100

61 141.6 111.8 167.6

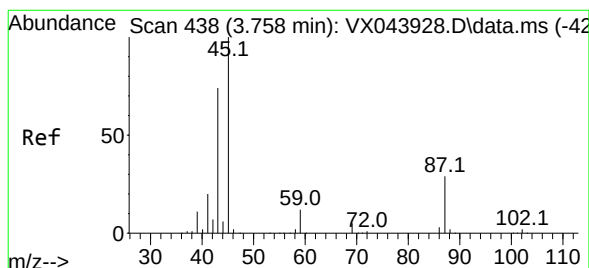
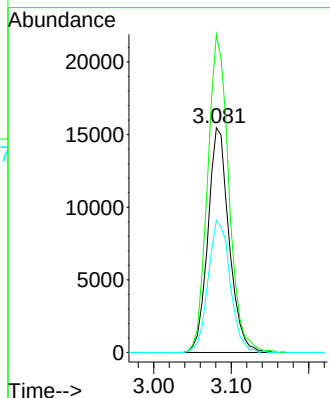
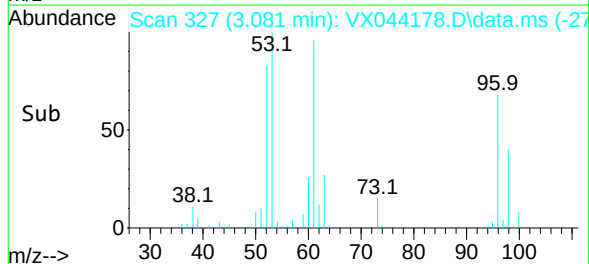
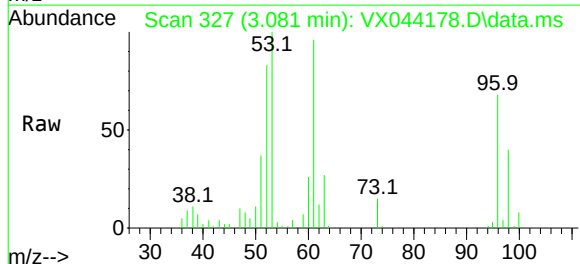
98 58.7 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#22

Diisopropyl ether

Concen: 19.695 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion: 45 Resp: 109479

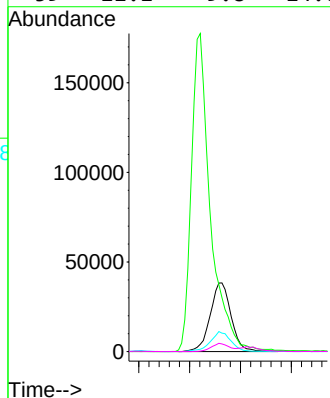
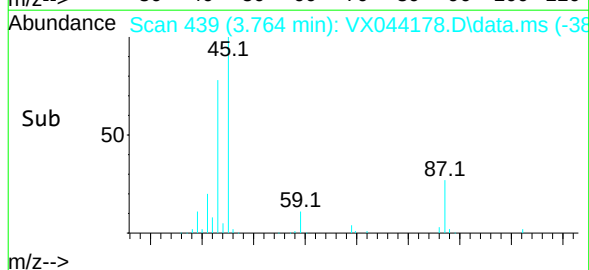
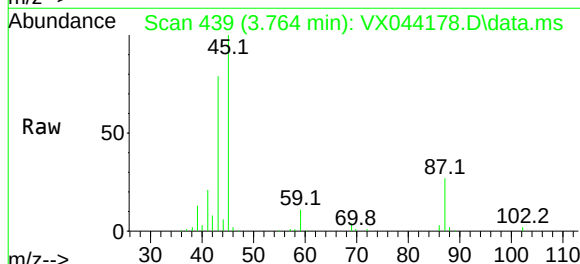
Ion Ratio Lower Upper

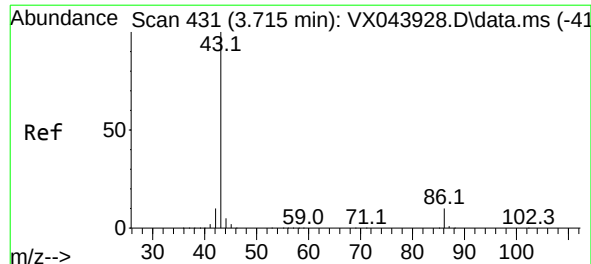
45 100

43 76.5 59.6 89.4

87 26.8 22.9 34.3

59 11.1 9.8 14.6





#23

Vinyl Acetate

Concen: 97.466 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 43 Resp: 463465

Ion Ratio Lower Upper

43 100

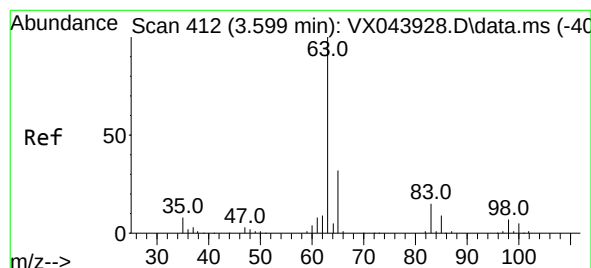
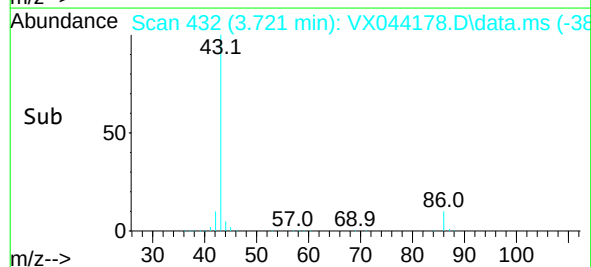
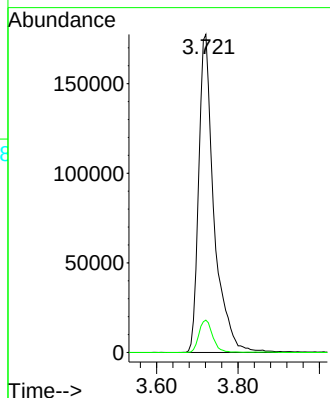
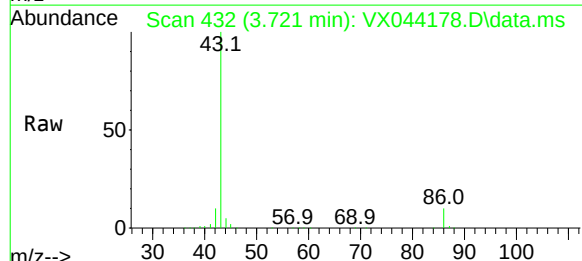
86 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 18.969 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

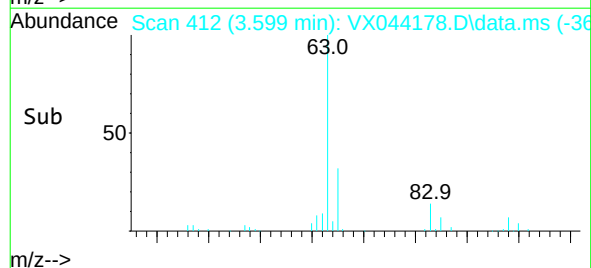
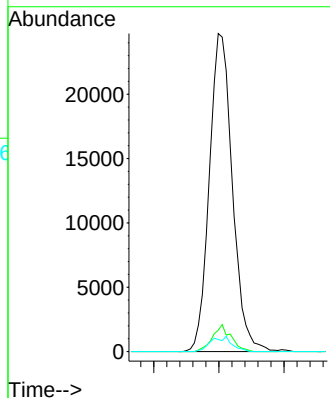
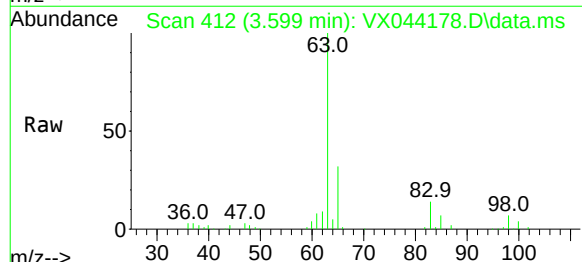
Tgt Ion: 63 Resp: 60828

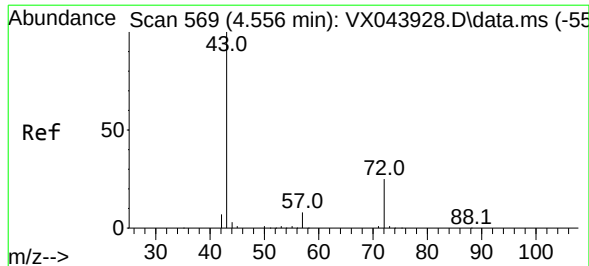
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.6

100 3.8 2.4 7.1





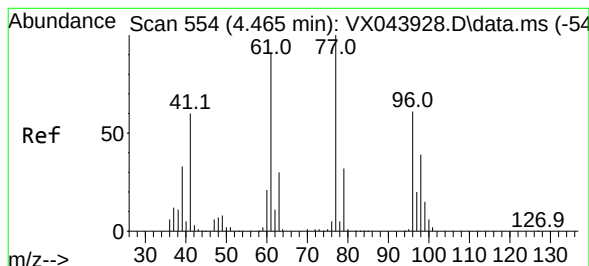
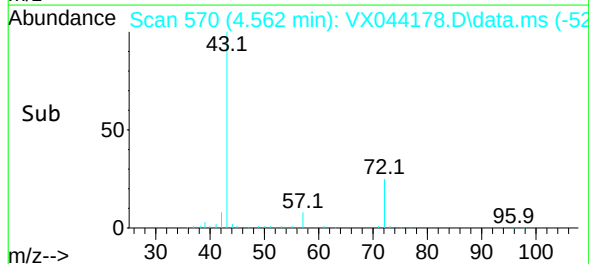
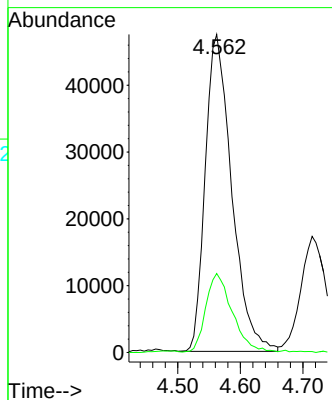
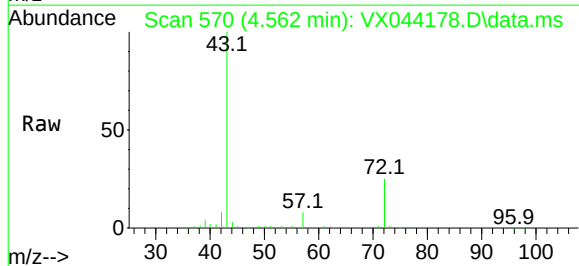
#25
2-Butanone
Concen: 99.466 ug/l
RT: 4.562 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Tgt Ion: 43 Resp: 139596
Ion Ratio Lower Upper
43 100
72 24.7 20.2 30.2

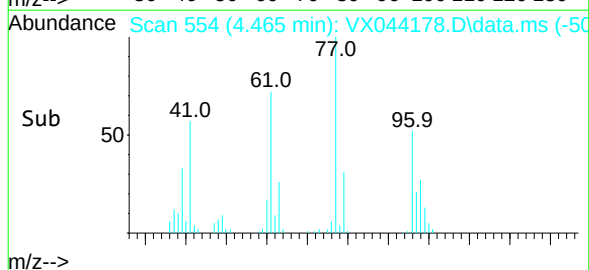
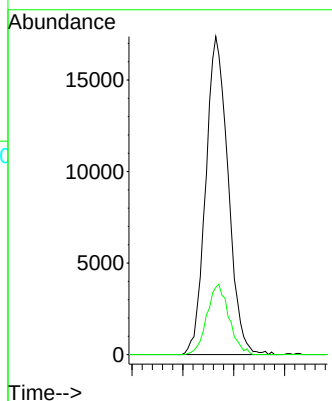
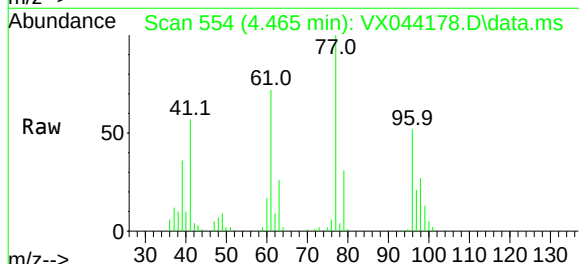
Manual Integrations
APPROVED

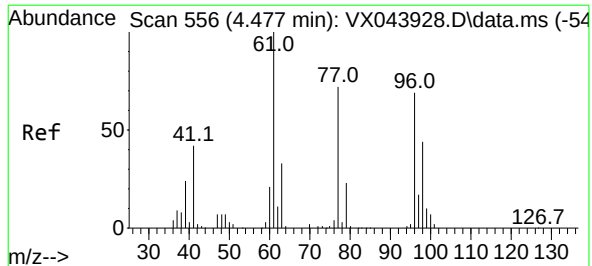
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#26
2,2-Dichloropropane
Concen: 18.362 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

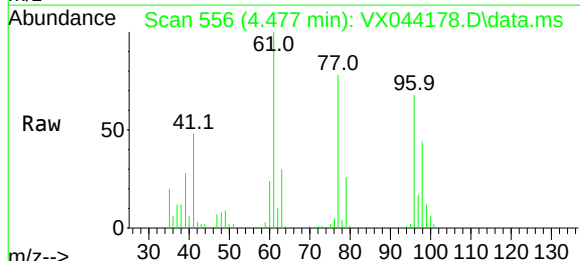
Tgt Ion: 77 Resp: 53179
Ion Ratio Lower Upper
77 100
97 21.7 10.8 32.3





#27
cis-1,2-Dichloroethene
Concen: 18.536 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

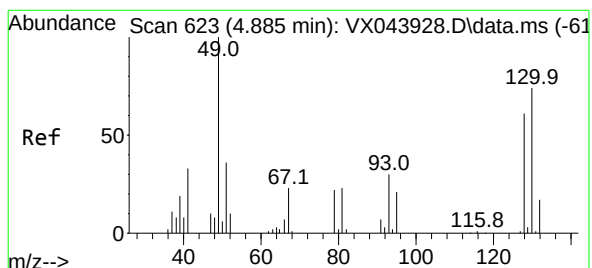
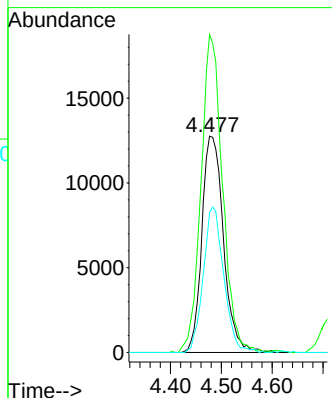
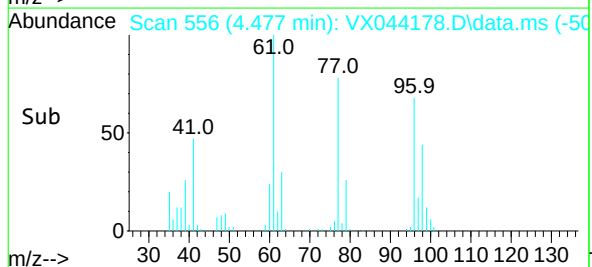
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01



Tgt Ion: 96 Resp: 37635
Ion Ratio Lower Upper
96 100
61 146.6 0.0 297.4
98 63.8 0.0 127.8

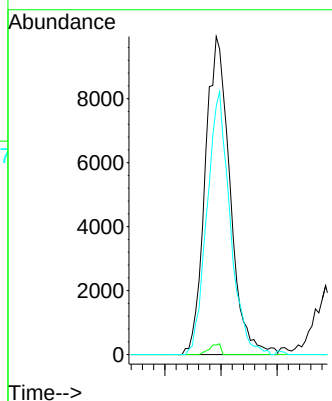
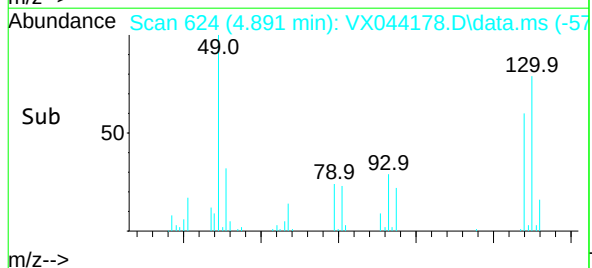
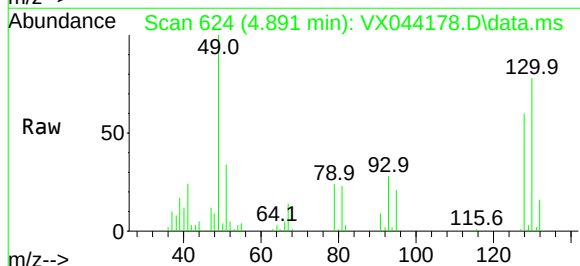
Manual Integrations
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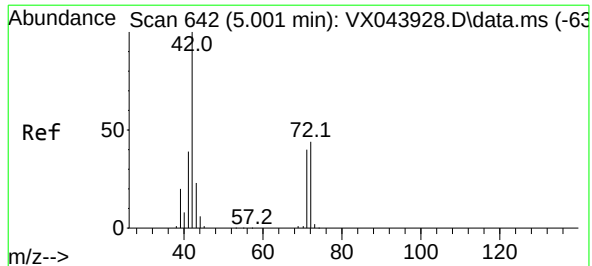
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#28
Bromochloromethane
Concen: 21.678 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 49 Resp: 30600
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.0
130 76.8 59.0 88.6





#29

Tetrahydrofuran

Concen: 98.634 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 42 Resp: 84862

Ion Ratio Lower Upper

42 100

72 44.7 36.4 54.6

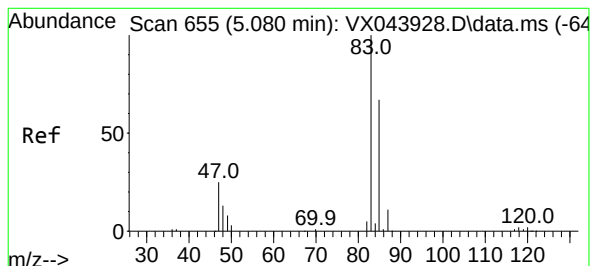
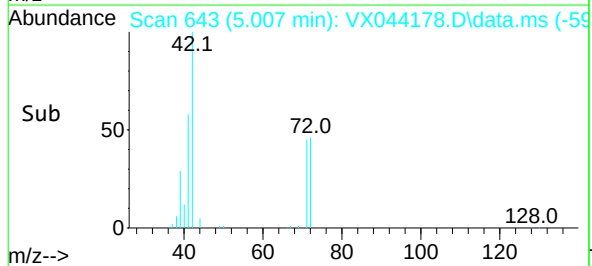
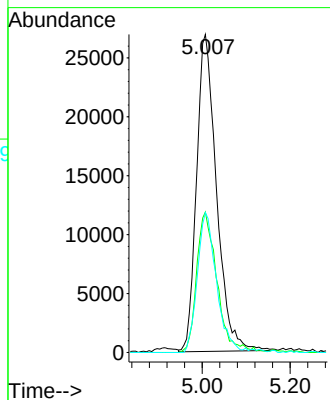
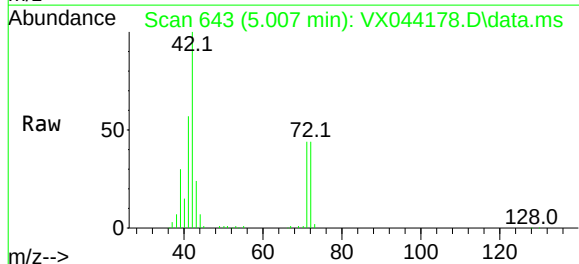
71 42.0 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 19.440 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044178.D

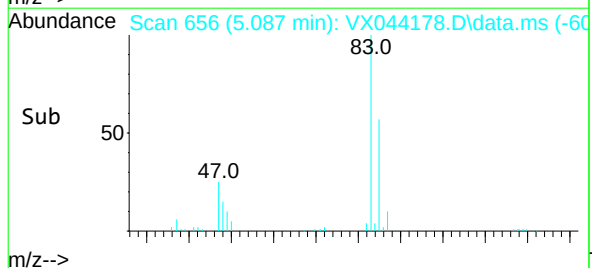
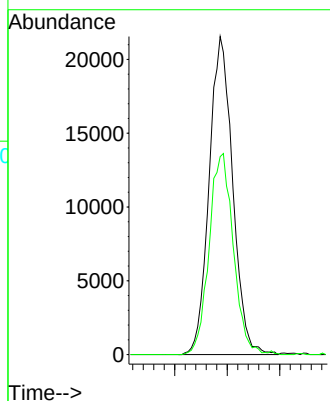
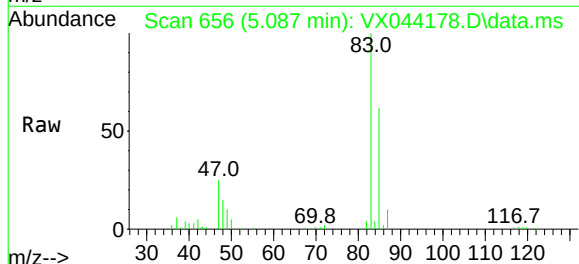
Acq: 09 Dec 2024 11:24

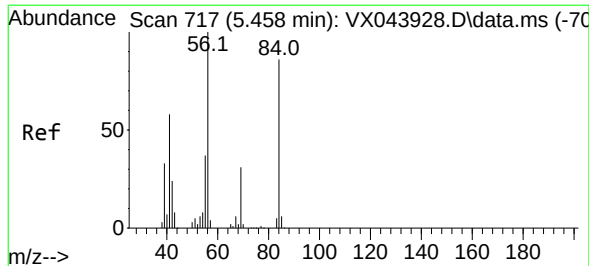
Tgt Ion: 83 Resp: 67049

Ion Ratio Lower Upper

83 100

85 62.2 53.5 80.3





#31

Cyclohexane

Concen: 17.949 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 56 Resp: 47372

Ion Ratio Lower Upper

56 100

69 29.9 24.7 37.1

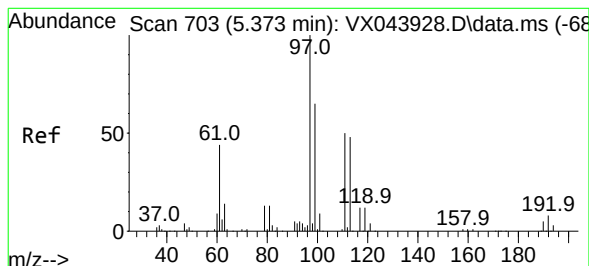
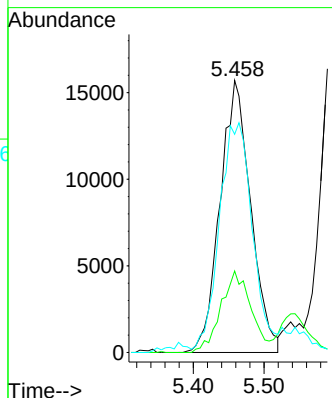
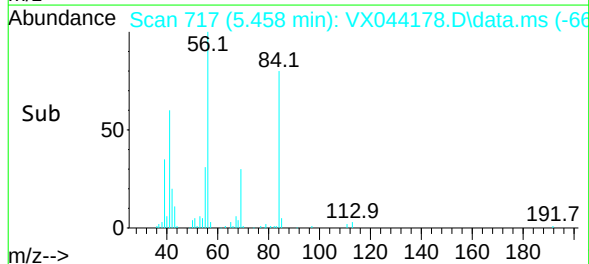
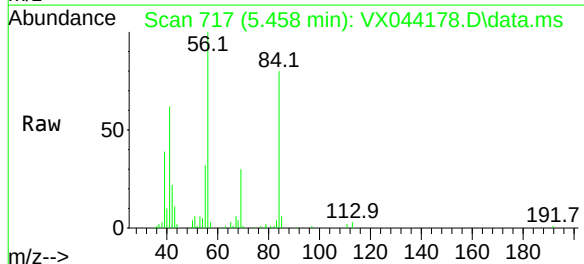
84 76.1 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 19.322 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

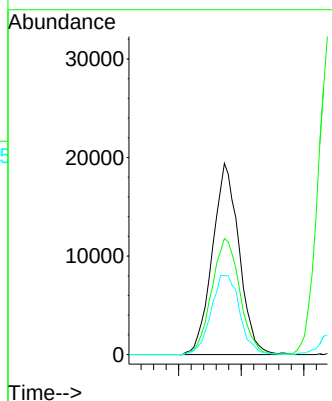
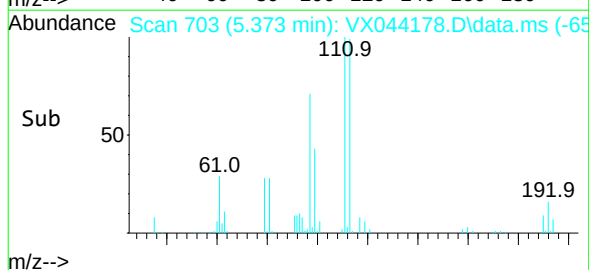
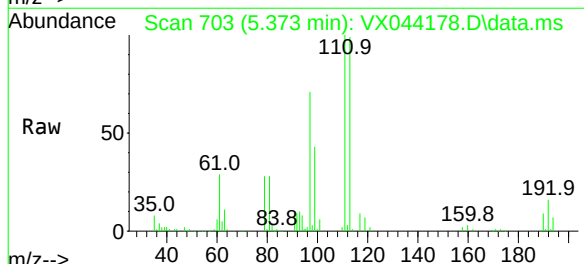
Tgt Ion: 97 Resp: 57469

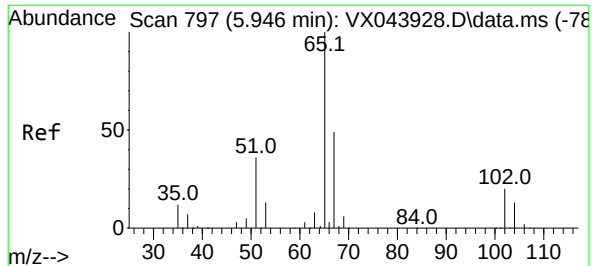
Ion Ratio Lower Upper

97 100

99 63.9 50.8 76.2

61 44.5 35.4 53.2





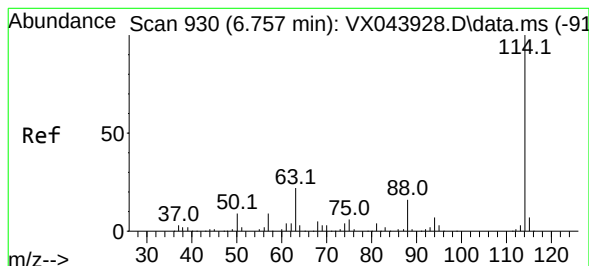
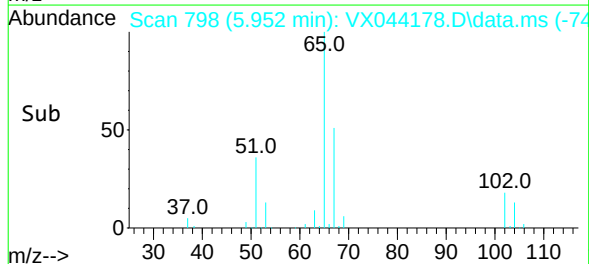
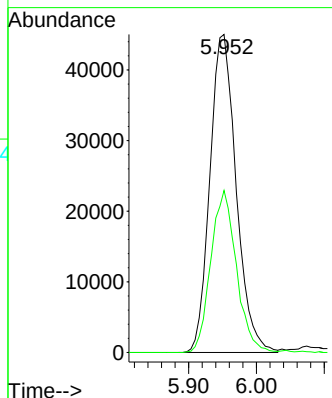
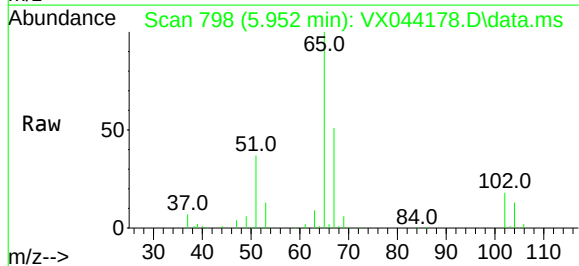
#33
1,2-Dichloroethane-d4
Concen: 51.209 ug/l
RT: 5.952 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Tgt Ion: 65 Resp: 121268
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8

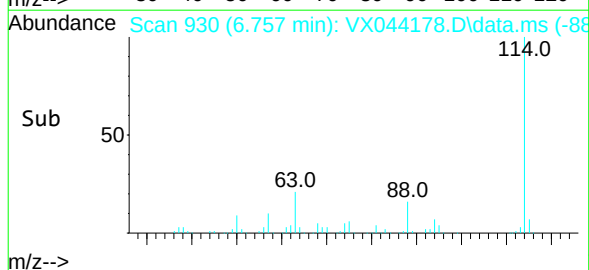
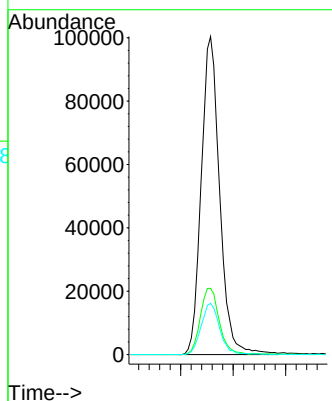
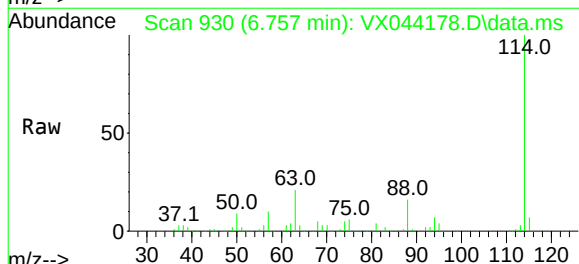
Manual Integrations
APPROVED

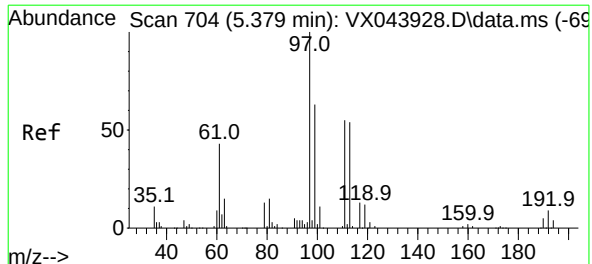
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:114 Resp: 244472
Ion Ratio Lower Upper
114 100
63 20.8 0.0 44.0
88 16.1 0.0 32.4





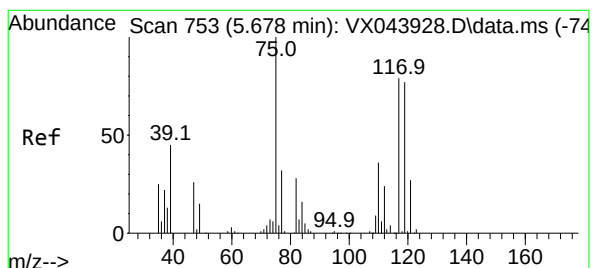
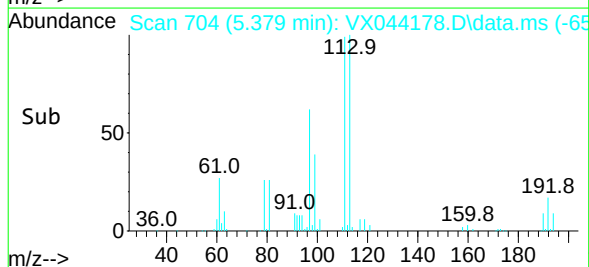
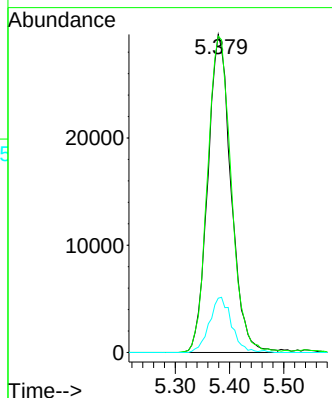
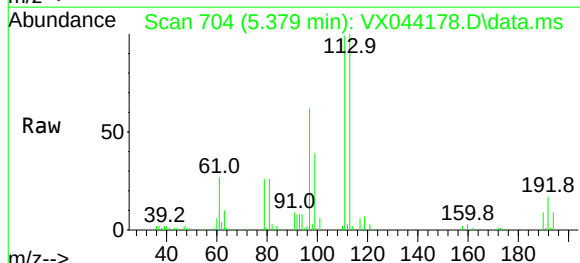
#35
Dibromofluoromethane
Concen: 50.357 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	16.6	13.0	19.6

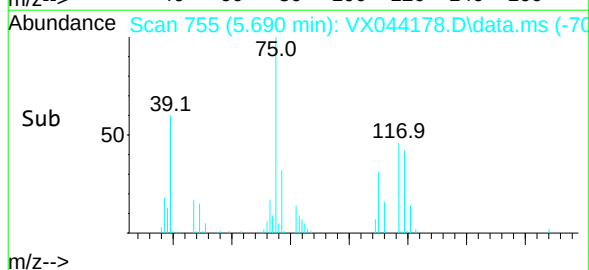
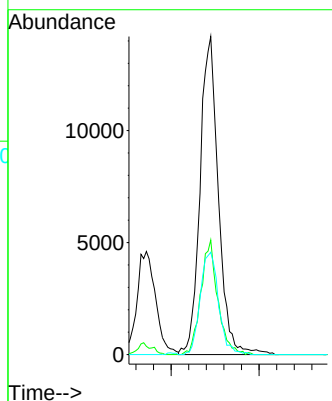
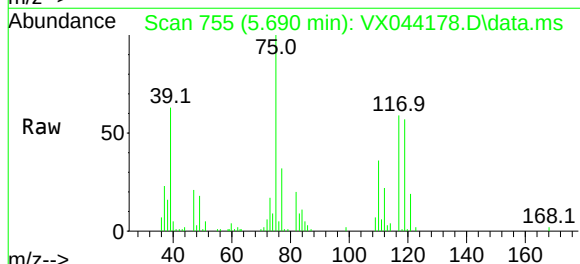
Manual Integrations
APPROVED

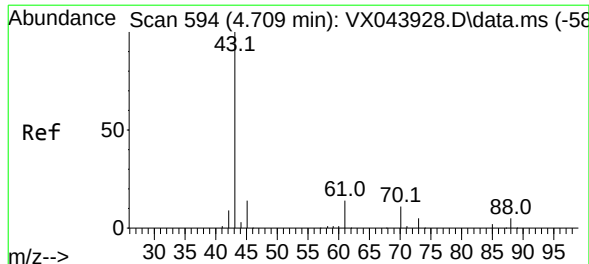
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#36
1,1-Dichloropropene
Concen: 18.937 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.4	52.2
77	32.2	25.8	38.8





#37

Ethyl Acetate

Concen: 19.266 ug/l

RT: 4.715 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

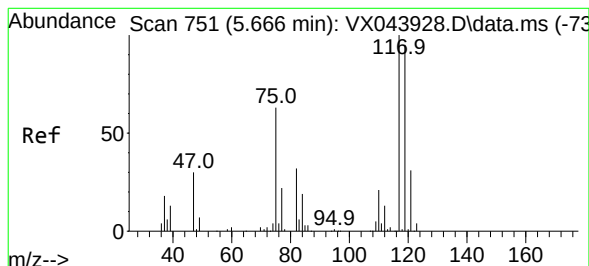
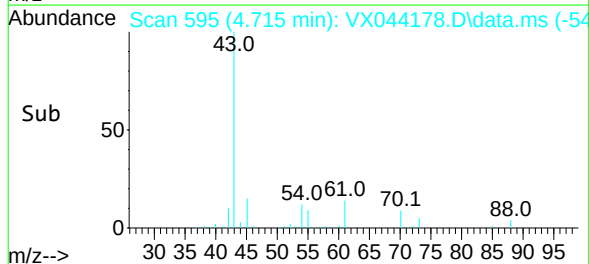
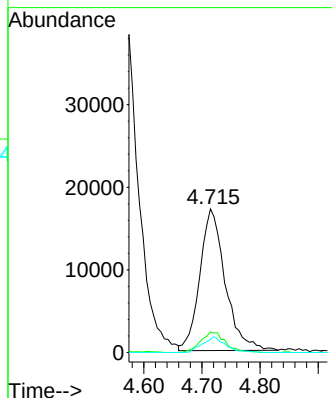
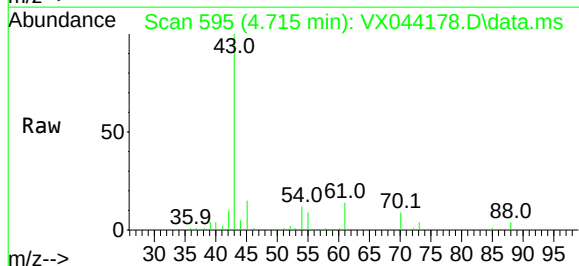
ClientSampleId :

VX1209WBS01

Tgt Ion:	43	Resp:	52058
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	9.9	8.0	12.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#38

Carbon Tetrachloride

Concen: 18.208 ug/l

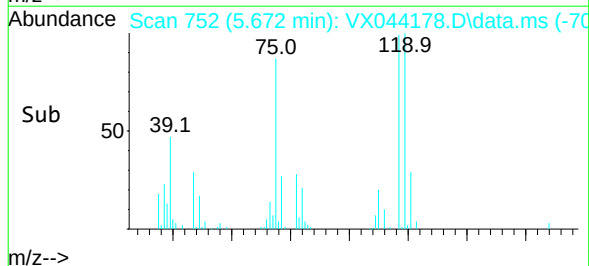
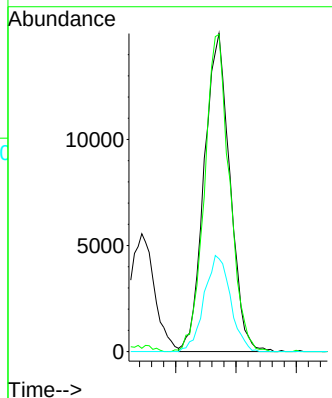
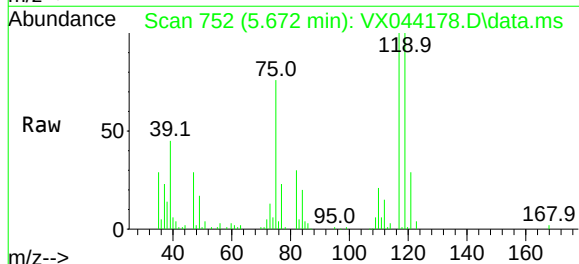
RT: 5.672 min Scan# 752

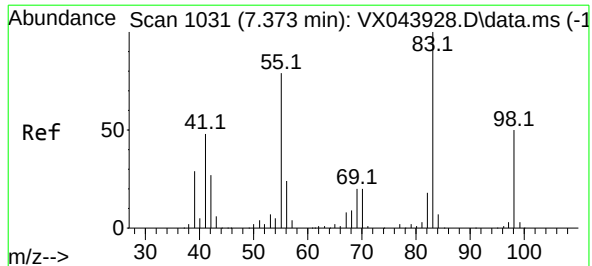
Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	117	Resp:	44537
Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.2	112.8
121	29.2	24.5	36.7





#39

Methylcyclohexane

Concen: 18.100 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

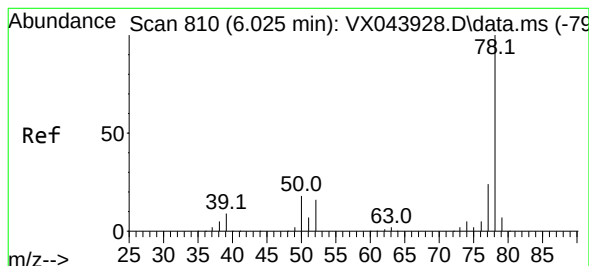
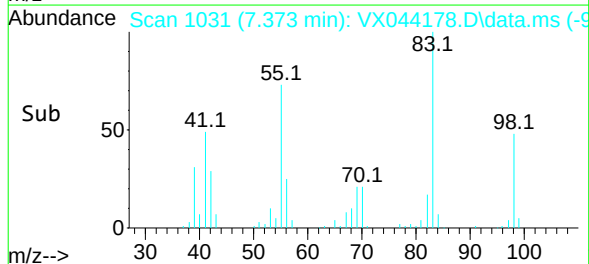
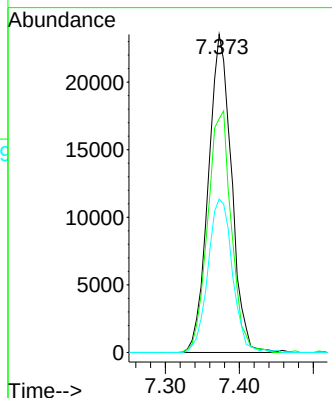
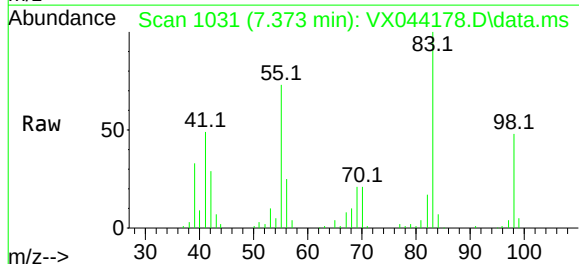
ClientSampleId :

VX1209WBS01

Tgt Ion:	83	Resp:	51187
Ion	Ratio	Lower	Upper
83	100		
55	73.5	63.1	94.7
98	48.3	40.0	60.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 18.484 ug/l

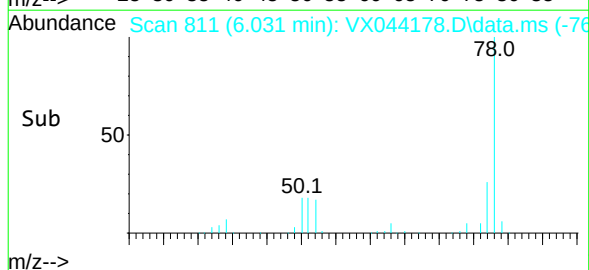
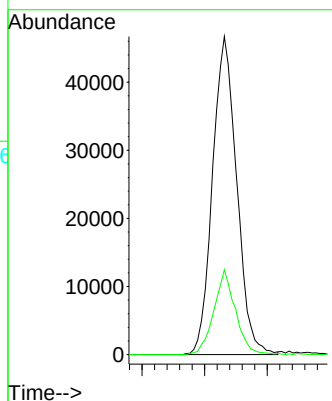
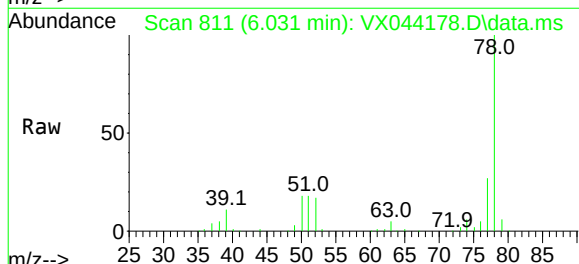
RT: 6.031 min Scan# 811

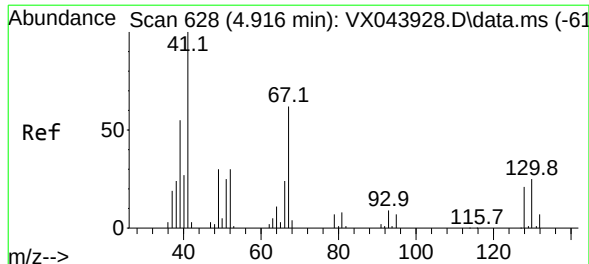
Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	78	Resp:	125330
Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.2	28.8





#41

Methacrylonitrile

Concen: 20.290 ug/l

RT: 4.922 min Scan# 62

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 41 Resp: 28061

Ion Ratio Lower Upper

41 100

39 58.2 41.7 62.5

67 69.2 55.8 83.8

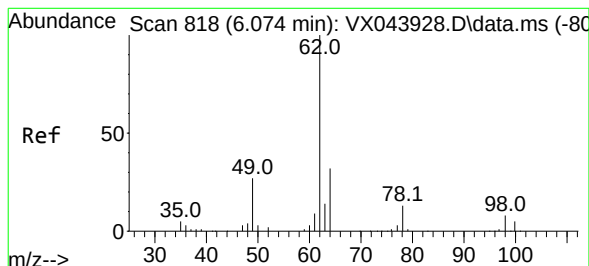
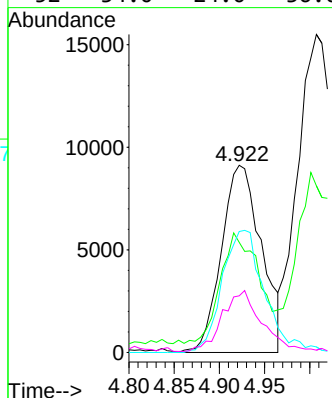
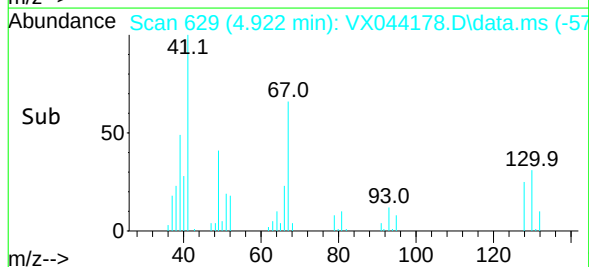
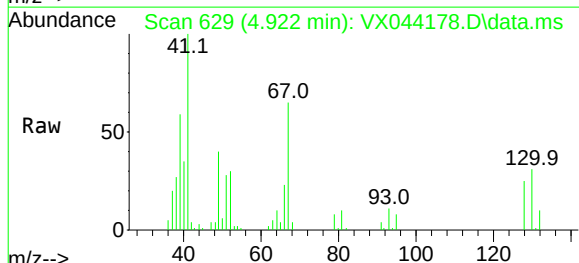
52 34.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 19.961 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.012 min

Lab File: VX044178.D

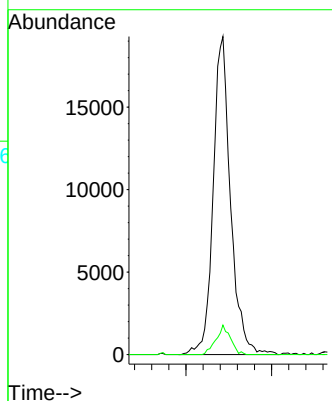
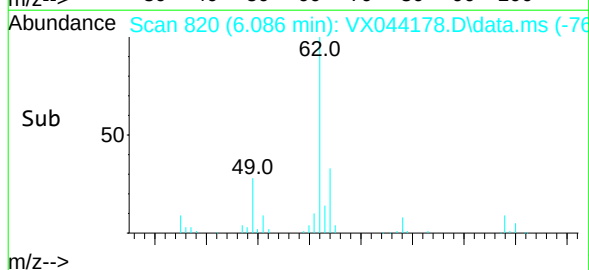
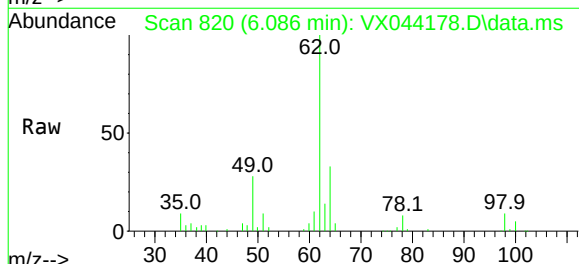
Acq: 09 Dec 2024 11:24

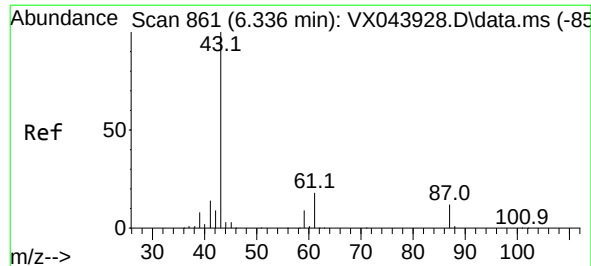
Tgt Ion: 62 Resp: 54359

Ion Ratio Lower Upper

62 100

98 7.6 0.0 16.4





#43

Isopropyl Acetate

Concen: 20.241 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

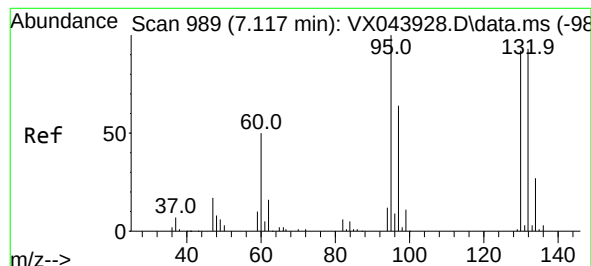
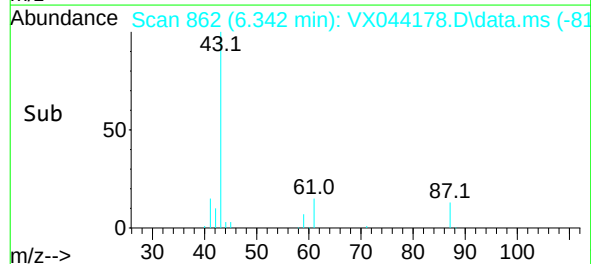
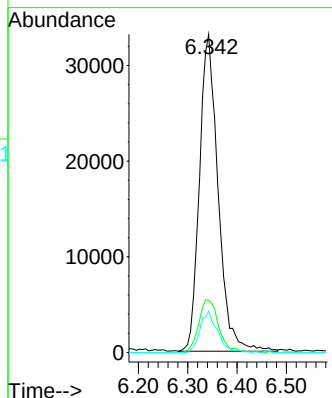
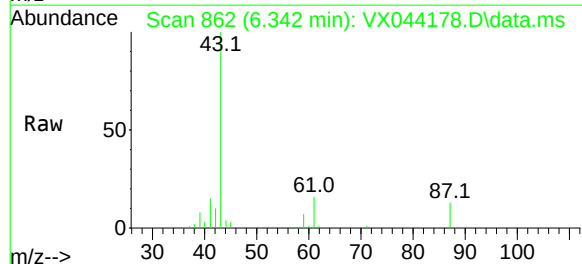
ClientSampleId :

VX1209WBS01

Tgt Ion:	43	Resp:	87044
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	12.2	10.2	15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

Concen: 15.824 ug/l

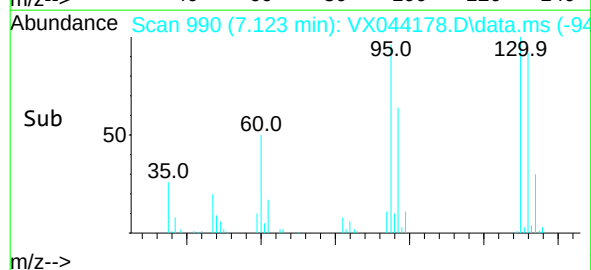
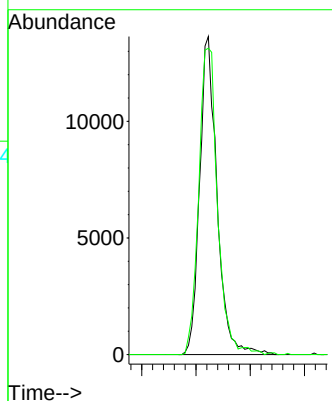
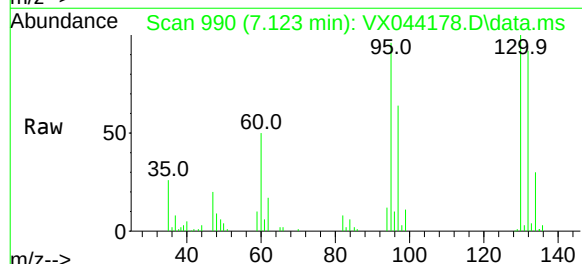
RT: 7.123 min Scan# 990

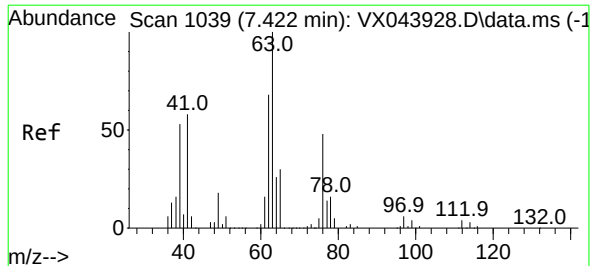
Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	130	Resp:	30375
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	217.8





#45

1,2-Dichloropropane

Concen: 19.160 ug/l

RT: 7.428 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 63 Resp: 31819

Ion Ratio Lower Upper

63 100

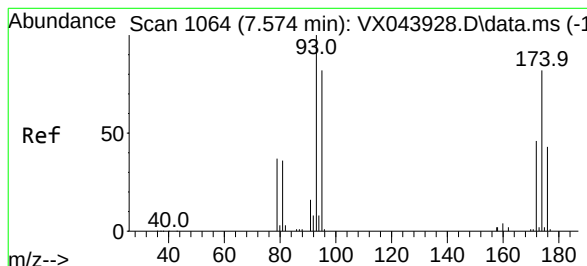
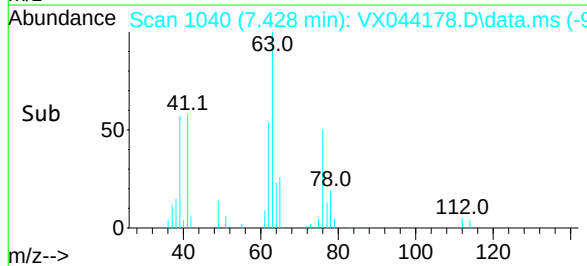
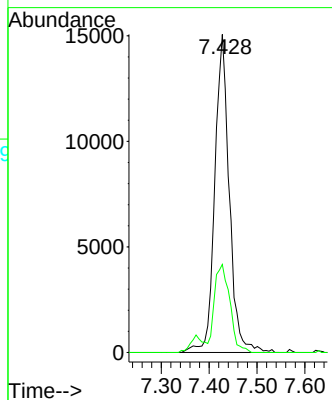
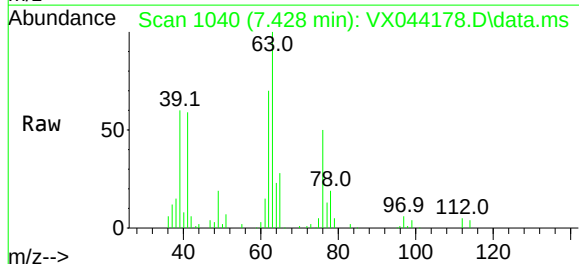
65 27.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#46

Dibromomethane

Concen: 19.545 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

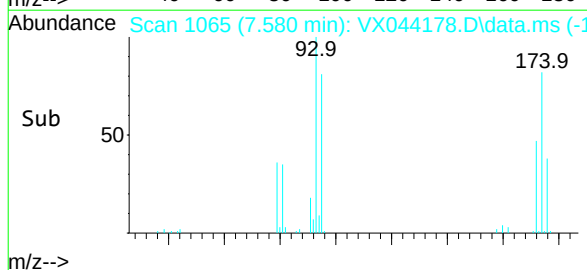
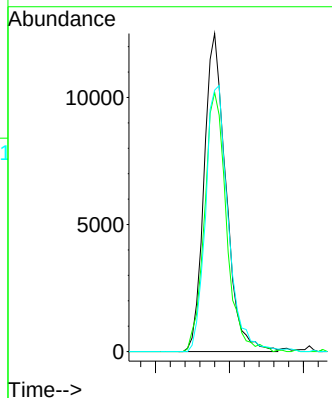
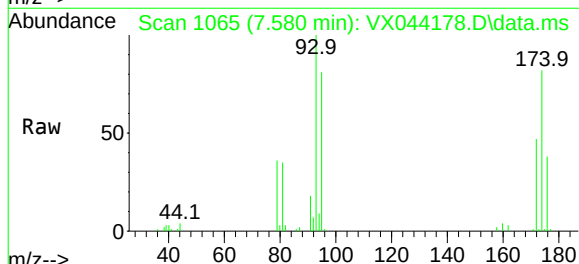
Tgt Ion: 93 Resp: 25677

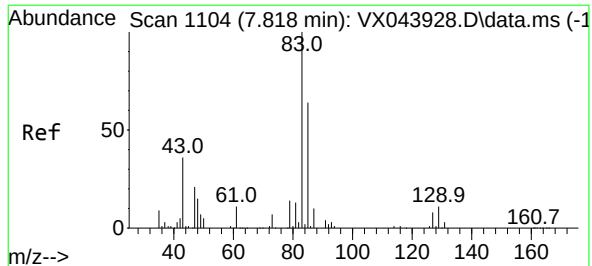
Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

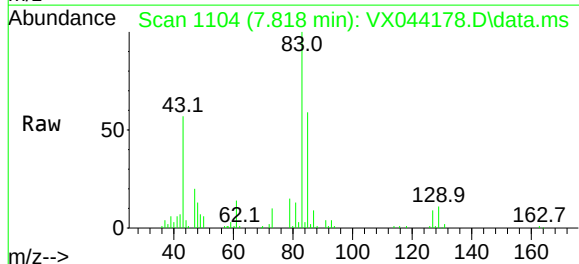
174 87.2 69.6 104.4





#47
Bromodichloromethane
Concen: 19.274 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

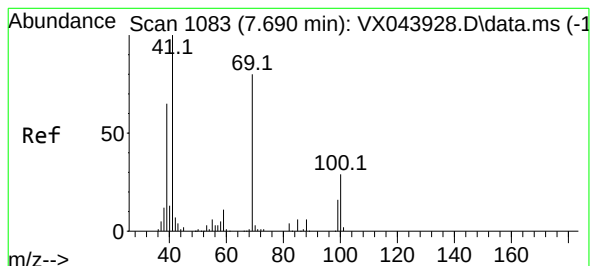
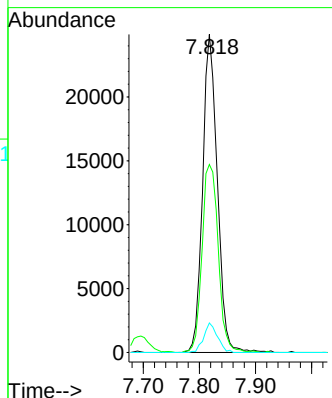
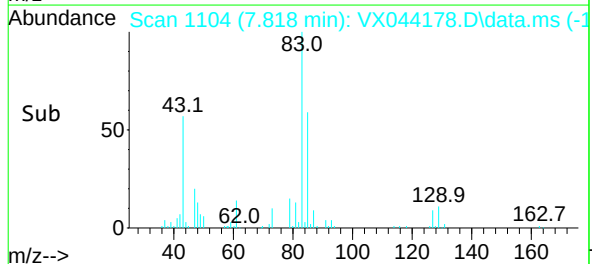
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01



Tgt Ion: 83 Resp: 45411
Ion Ratio Lower Upper
83 100
85 59.1 51.4 77.0
127 9.3 6.6 10.0

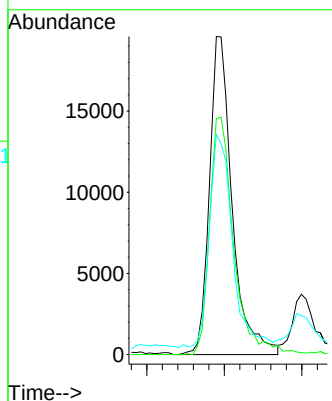
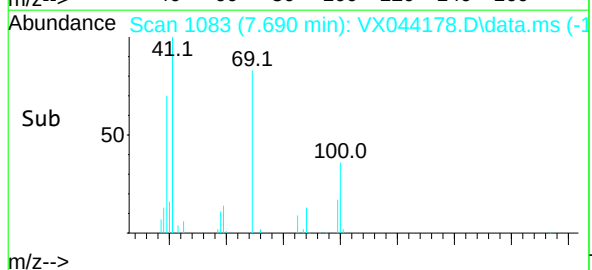
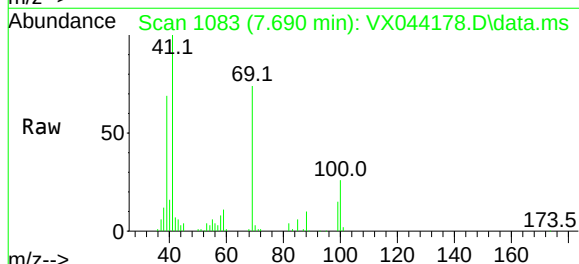
Manual Integrations
APPROVED

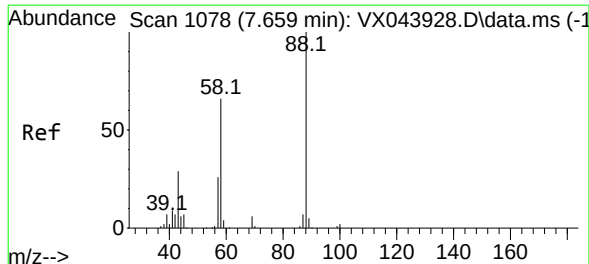
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#48
Methyl methacrylate
Concen: 19.369 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 41 Resp: 39967
Ion Ratio Lower Upper
41 100
69 79.1 64.6 97.0
39 68.0 53.3 79.9





#49

1,4-Dioxane

Concen: 272.034 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

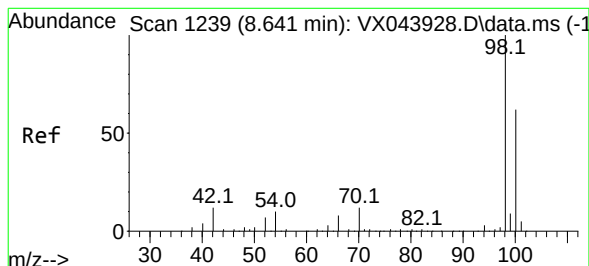
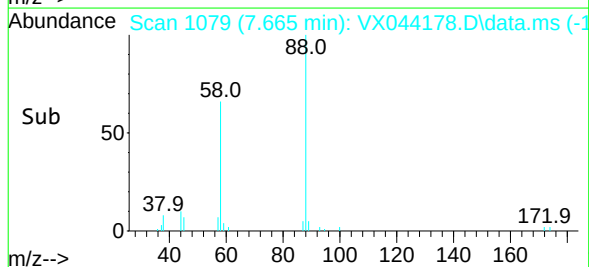
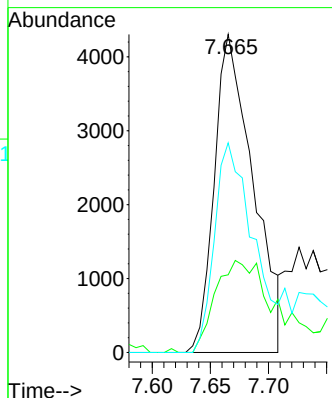
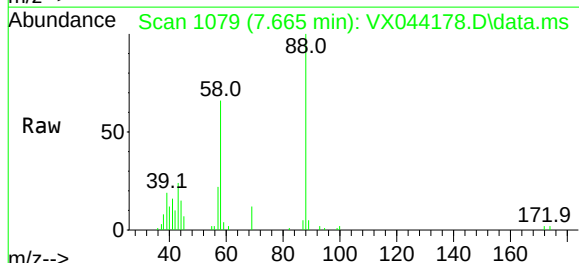
ClientSampleId :

VX1209WBS01

Tgt Ion:	88	Resp:	9999
Ion	Ratio	Lower	Upper
88	100		
43	44.3	26.8	40.2
58	65.9	45.4	68.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 48.674 ug/l

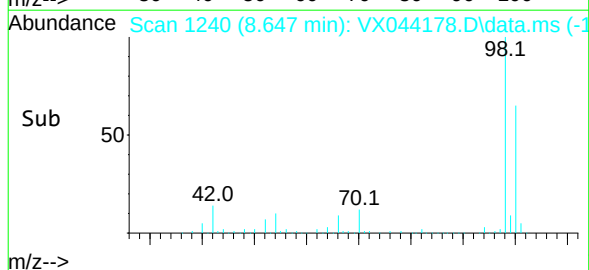
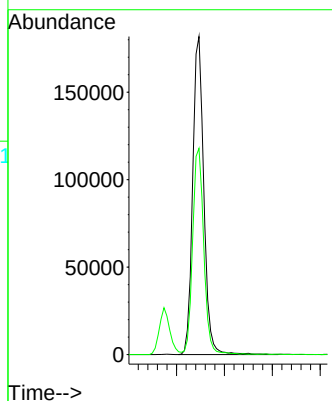
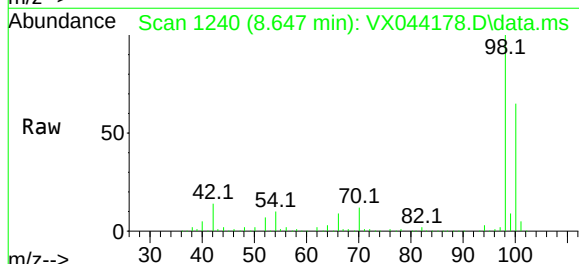
RT: 8.647 min Scan# 1240

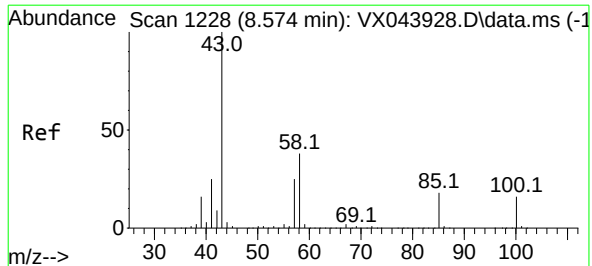
Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	98	Resp:	293099
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 103.922 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 43 Resp: 272719

Ion Ratio Lower Upper

43 100

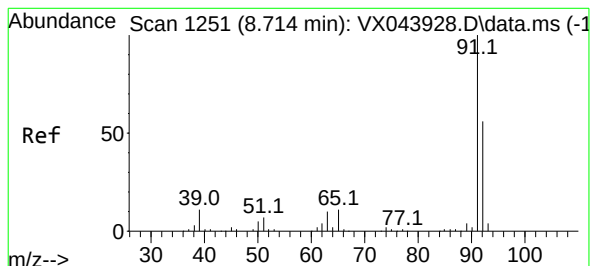
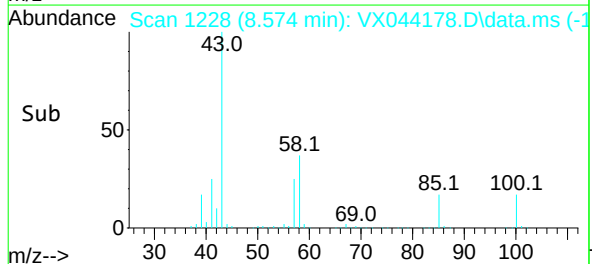
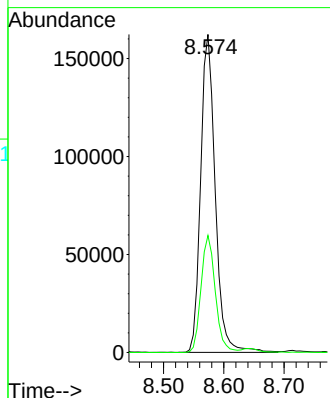
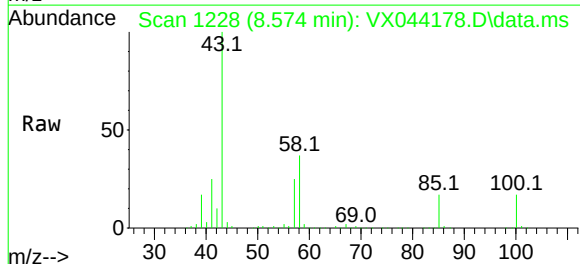
58 36.0 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#52

Toluene

Concen: 19.596 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044178.D

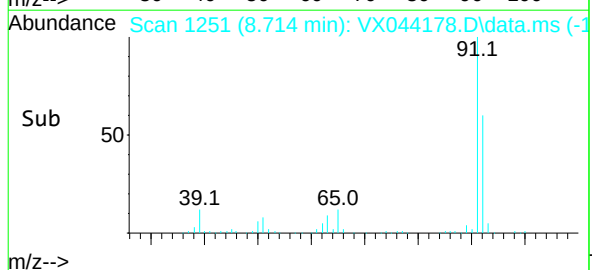
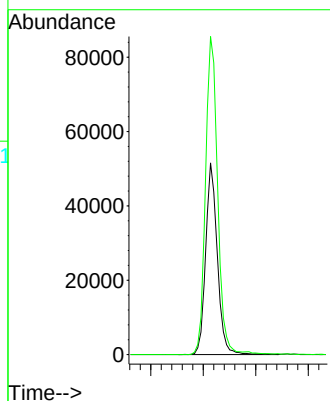
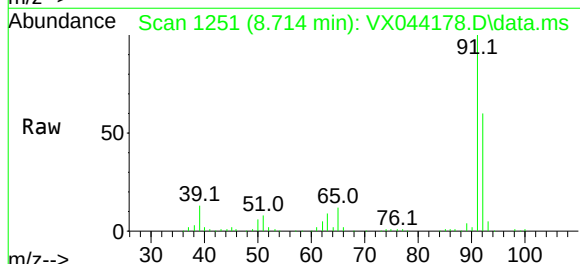
Acq: 09 Dec 2024 11:24

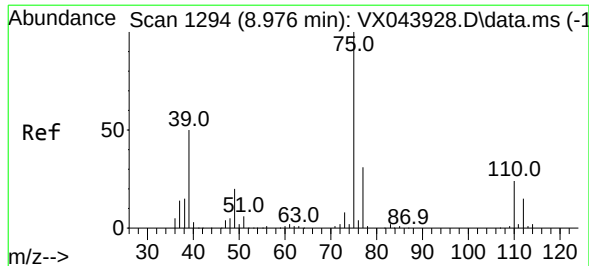
Tgt Ion: 92 Resp: 79528

Ion Ratio Lower Upper

92 100

91 173.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.899 ug/l

RT: 8.976 min Scan# 12

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 45407

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7

Instrument :

MSVOA_X

ClientSampleId :

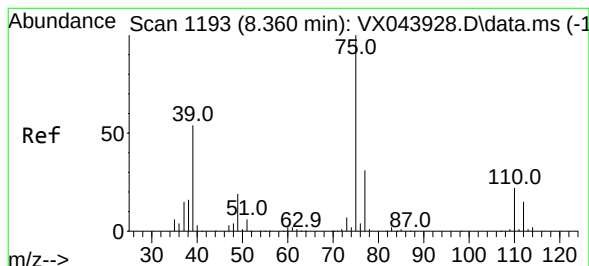
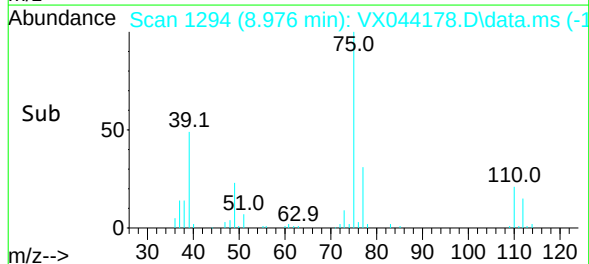
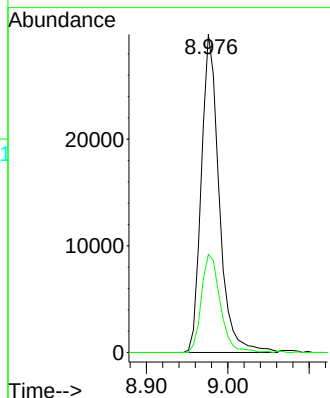
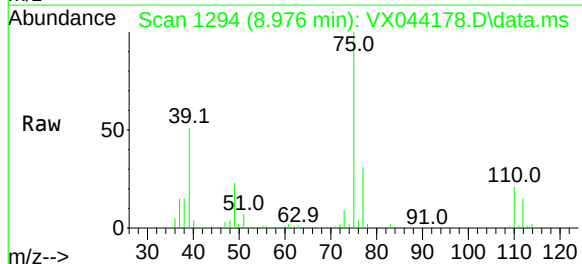
VX1209WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#54

cis-1,3-Dichloropropene

Concen: 19.063 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

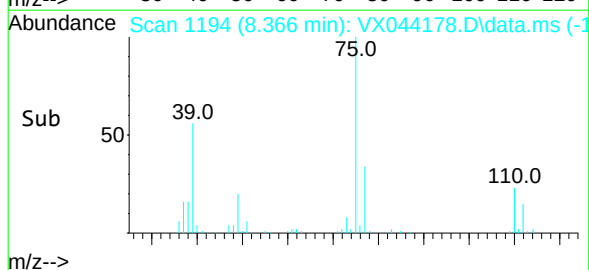
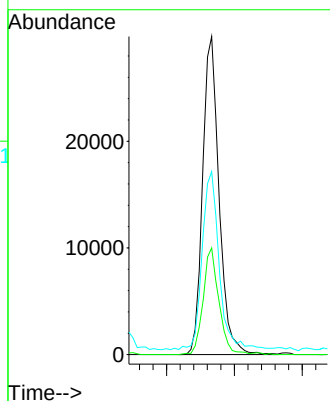
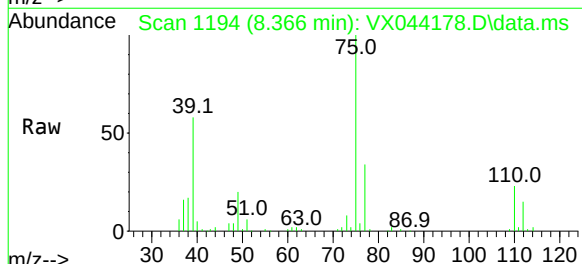
Tgt Ion: 75 Resp: 50210

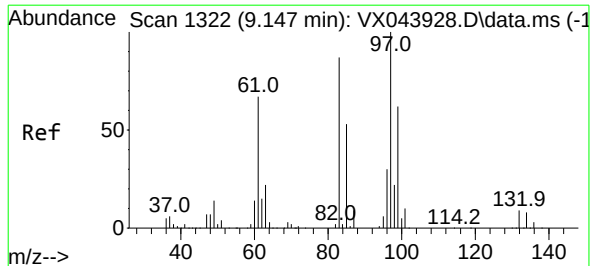
Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8

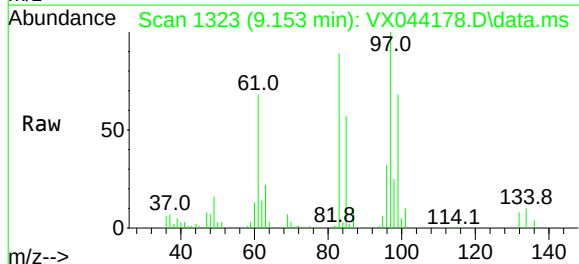
39 55.9 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 19.411 ug/l
RT: 9.153 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

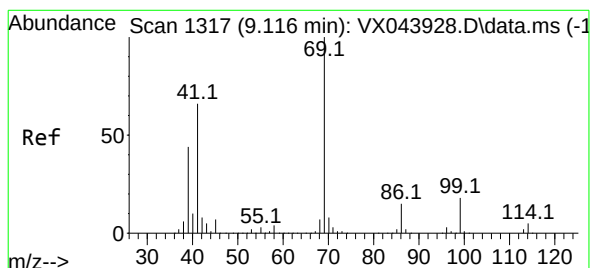
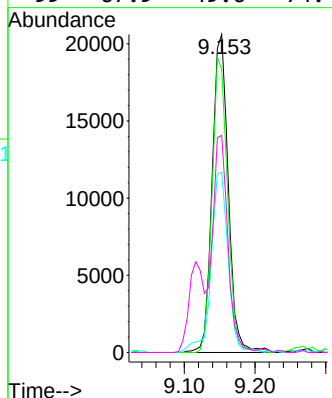
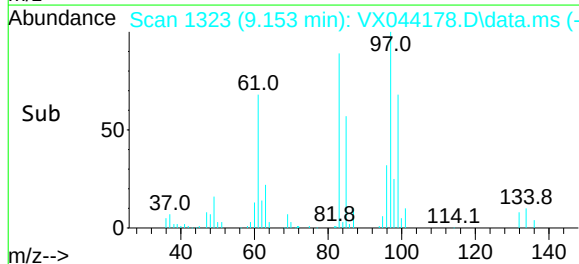
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01



Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.4	104.0
85	56.7	42.3	63.5
99	67.9	49.6	74.4

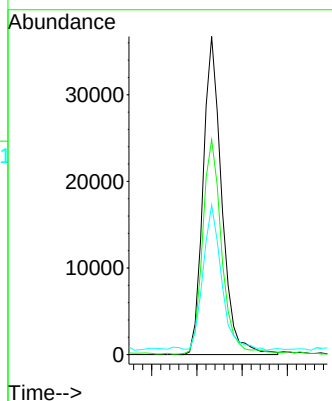
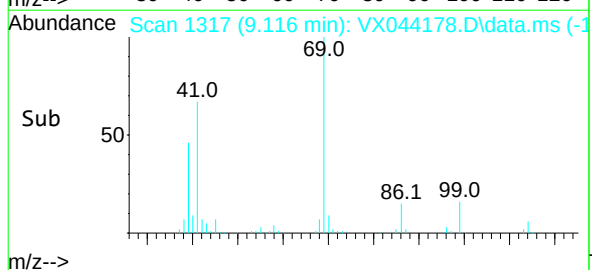
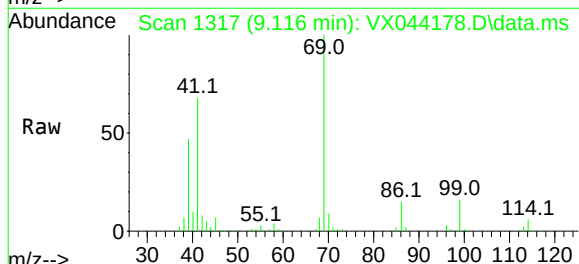
Manual Integrations
APPROVED

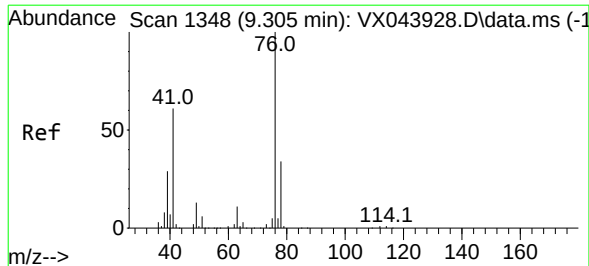
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#56
Ethyl methacrylate
Concen: 20.168 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.8	83.8
39	45.3	36.7	55.1





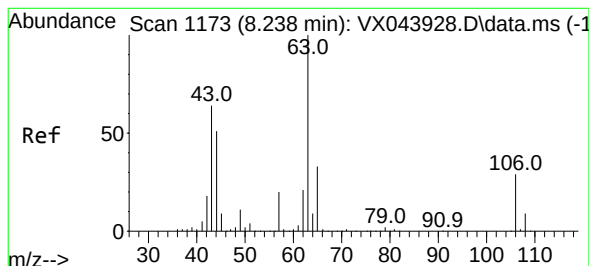
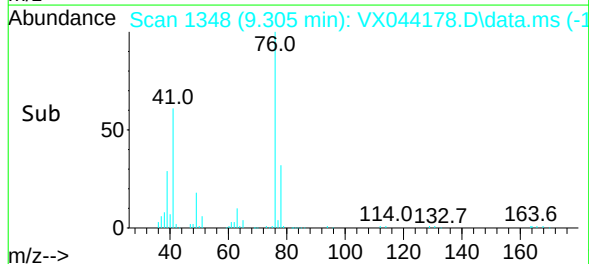
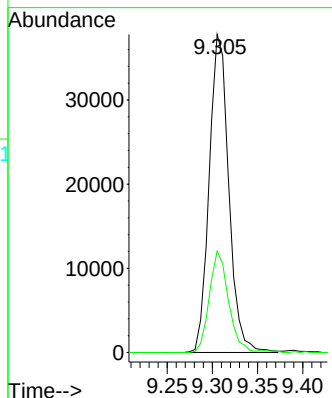
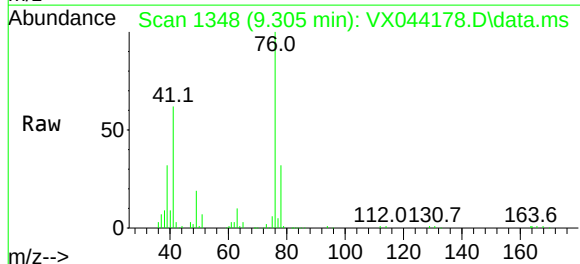
#57
1,3-Dichloropropane
Concen: 20.148 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Tgt Ion: 76 Resp: 56861
Ion Ratio Lower Upper
76 100
78 31.1 26.0 39.0

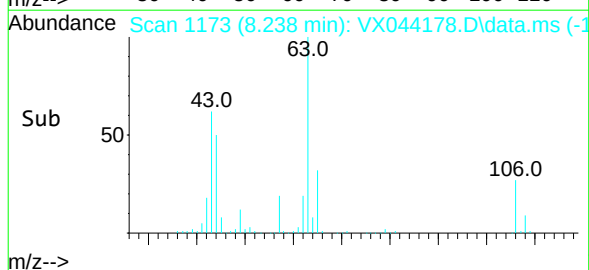
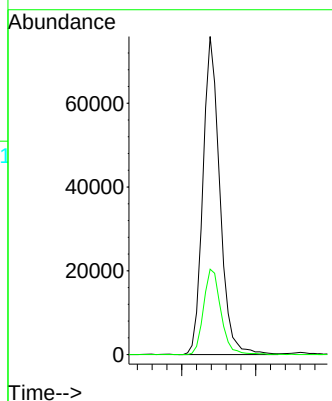
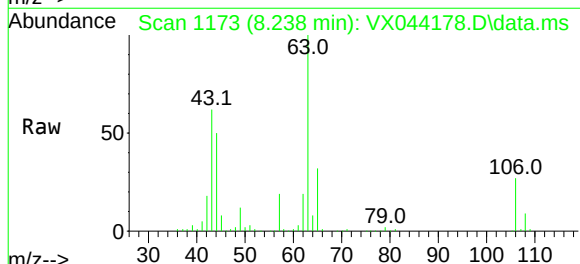
Manual Integrations
APPROVED

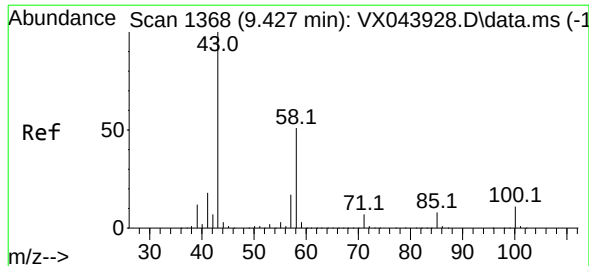
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#58
2-Chloroethyl Vinyl ether
Concen: 83.607 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 63 Resp: 120482
Ion Ratio Lower Upper
63 100
106 27.6 23.0 34.6





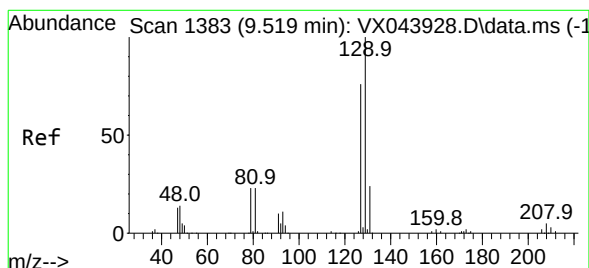
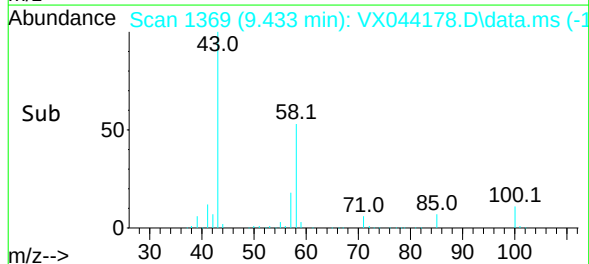
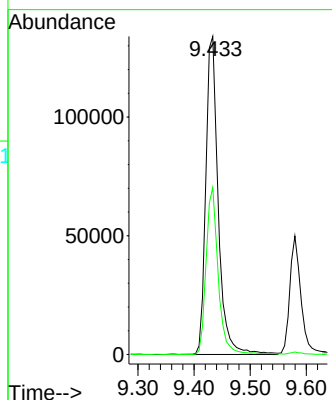
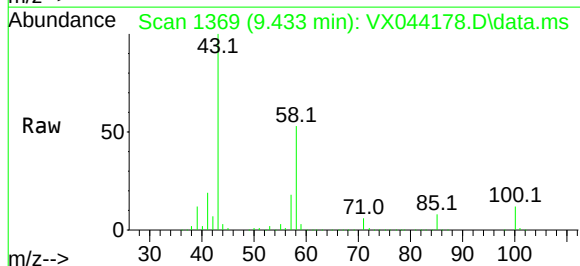
#59
2-Hexanone
Concen: 104.575 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Tgt Ion: 43 Resp: 206270
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6

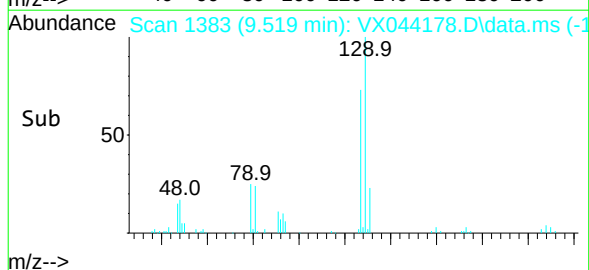
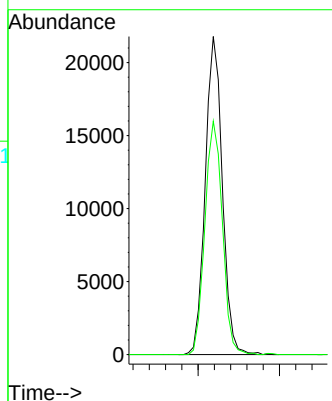
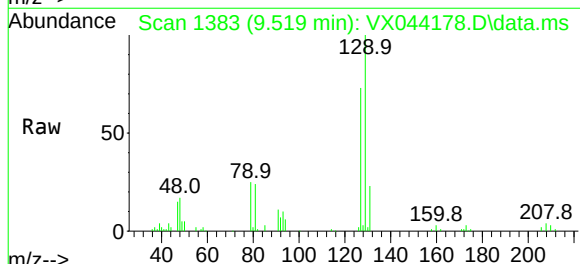
Manual Integrations
APPROVED

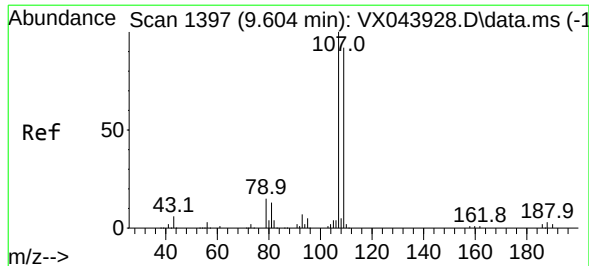
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#60
Dibromochloromethane
Concen: 18.890 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:129 Resp: 31752
Ion Ratio Lower Upper
129 100
127 75.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.995 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:107 Resp: 33872

Ion Ratio Lower Upper

107 100

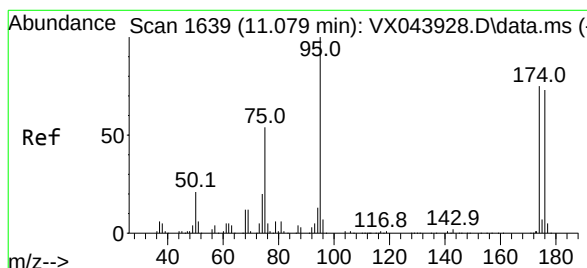
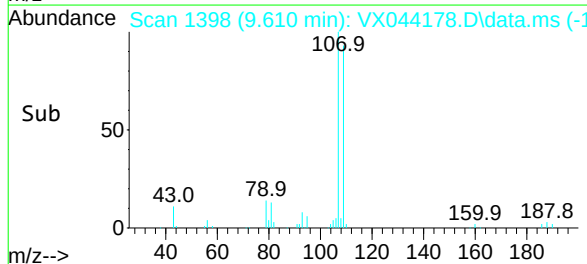
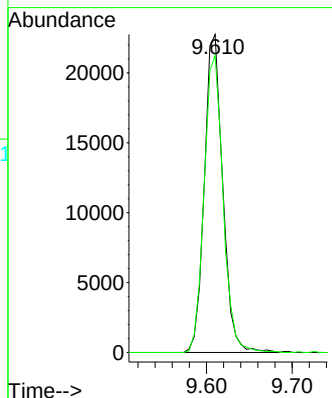
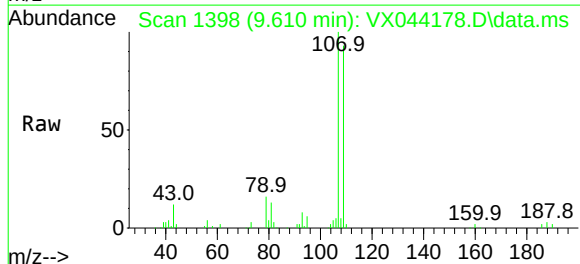
109 96.5 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#62

4-Bromofluorobenzene

Concen: 50.849 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

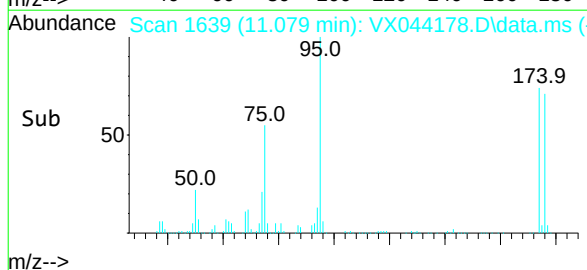
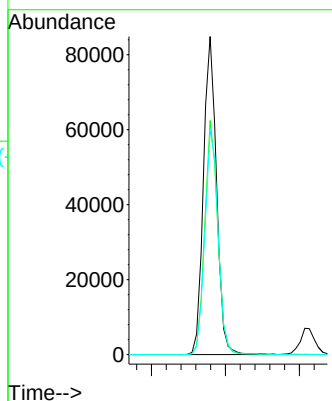
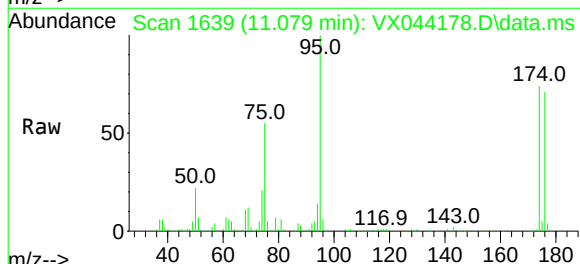
Tgt Ion: 95 Resp: 104206

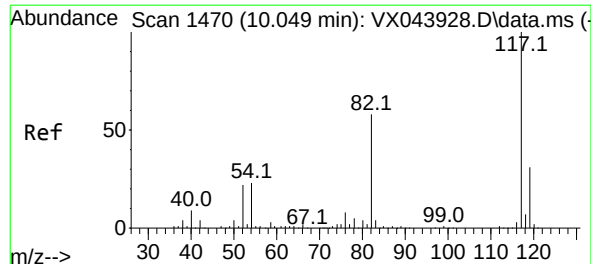
Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.4

176 72.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

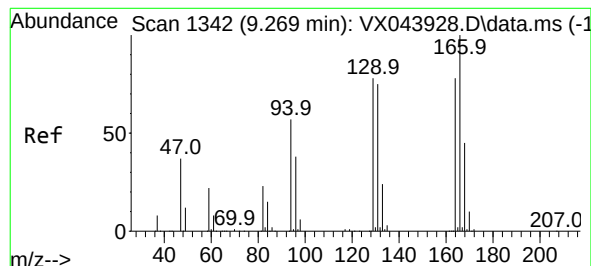
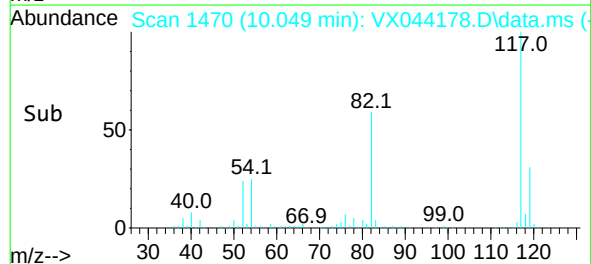
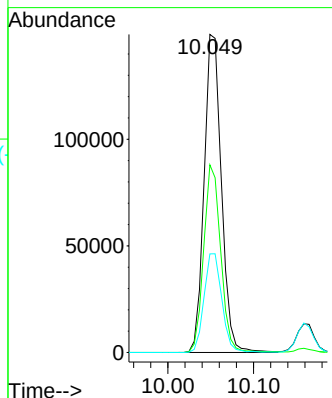
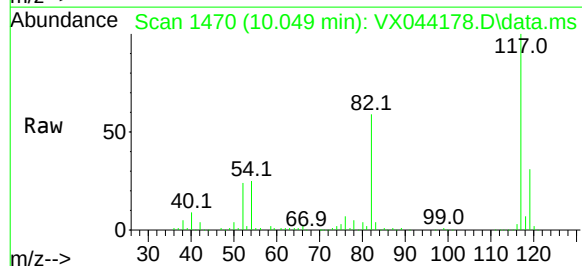
VX1209WBS01

Tgt Ion:	117	Resp:	208975
Ion Ratio	Lower	Upper	
117	100		
82	59.0	46.4	69.6
119	31.0	24.6	37.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#64

Tetrachloroethene

Concen: 19.912 ug/l

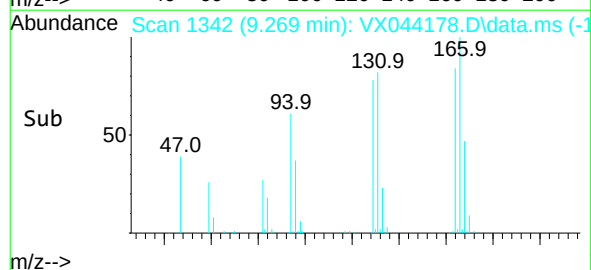
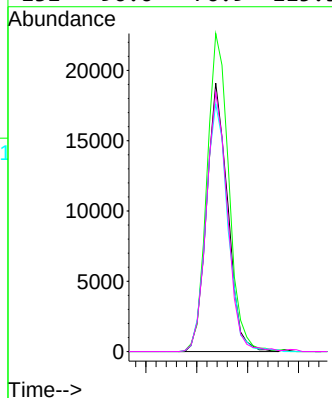
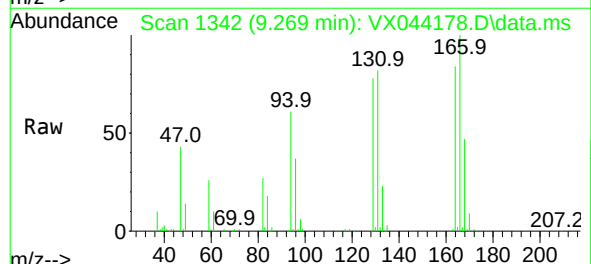
RT: 9.269 min Scan# 1342

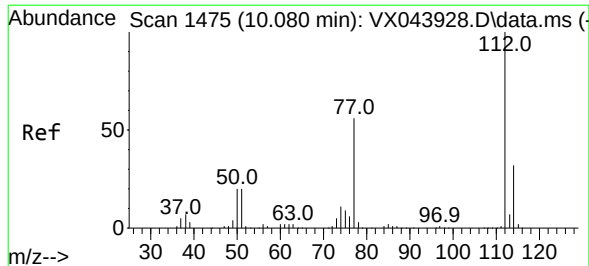
Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	164	Resp:	27438
Ion Ratio	Lower	Upper	
164	100		
166	118.5	102.1	153.1
129	92.2	79.6	119.4
131	96.6	76.9	115.3





#65

Chlorobenzene

Concen: 18.940 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:112 Resp: 86930

Ion Ratio Lower Upper

112 100

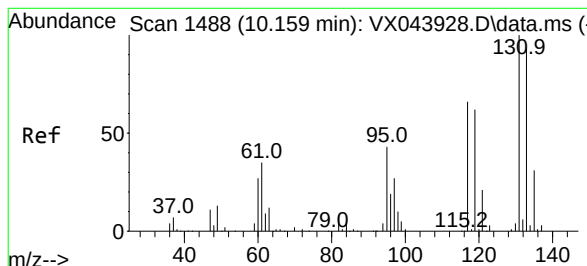
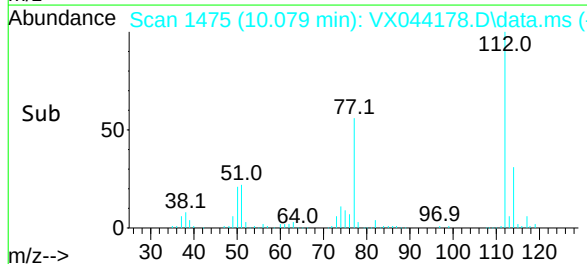
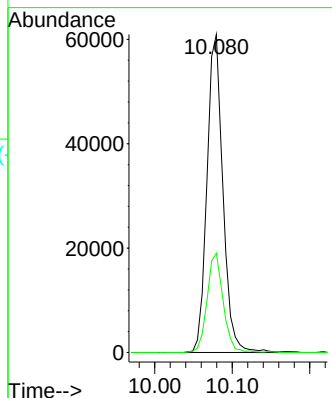
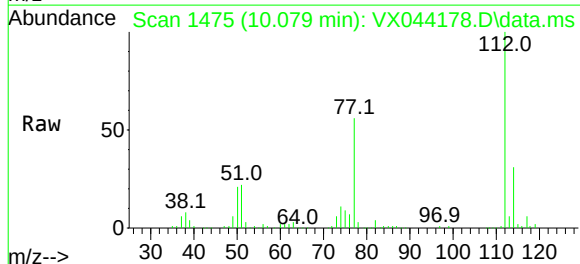
114 31.2 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 19.979 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

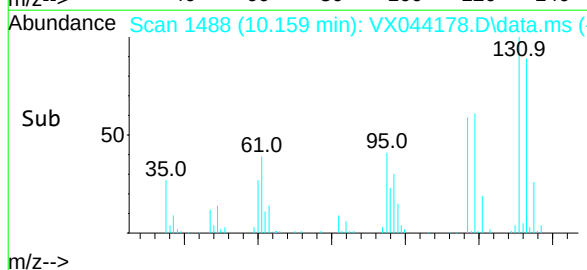
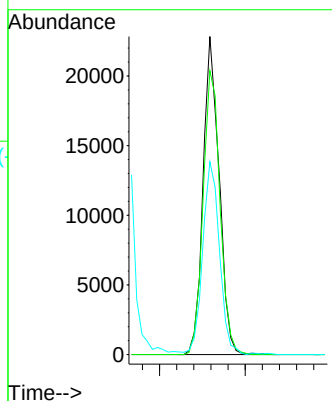
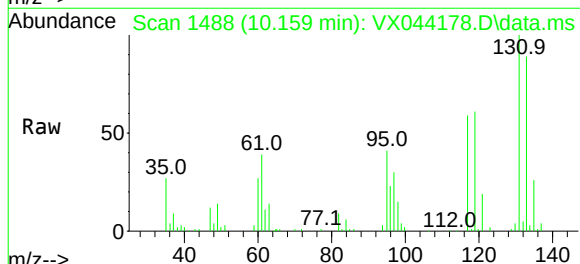
Tgt Ion:131 Resp: 29738

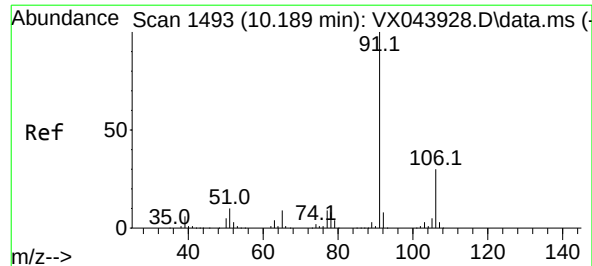
Ion Ratio Lower Upper

131 100

133 94.1 48.2 144.6

119 63.2 31.5 94.5





#67

Ethyl Benzene

Concen: 19.709 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 91 Resp: 153285

Ion Ratio Lower Upper

91 100

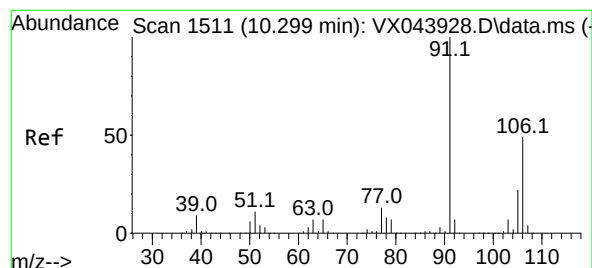
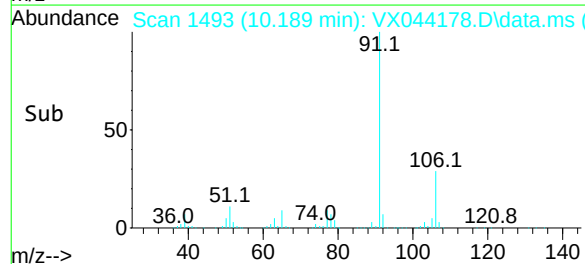
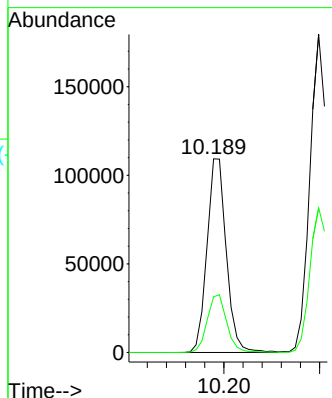
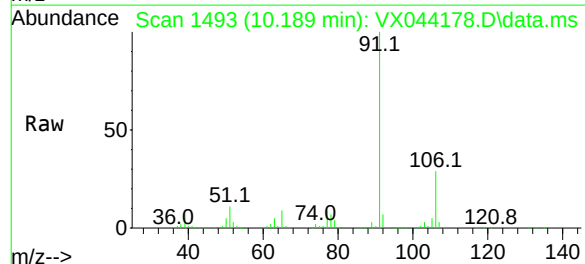
106 28.8 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 38.830 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044178.D

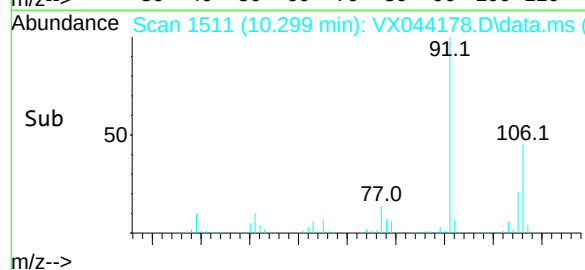
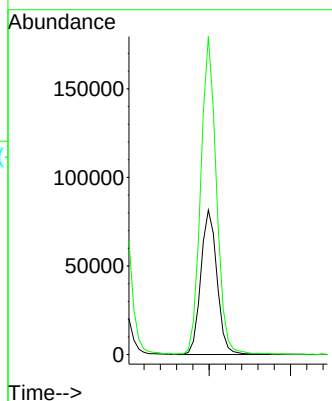
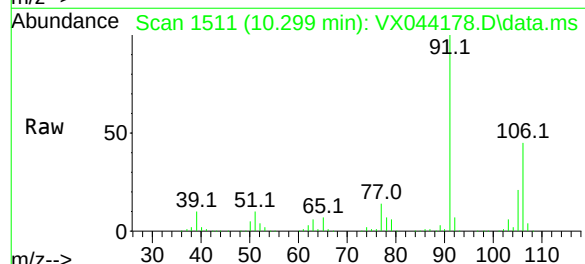
Acq: 09 Dec 2024 11:24

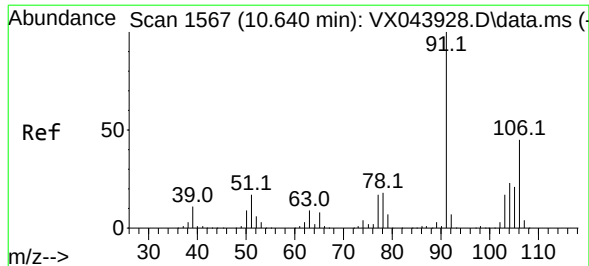
Tgt Ion:106 Resp: 112617

Ion Ratio Lower Upper

106 100

91 213.6 168.1 252.1





#69

o-Xylene

Concen: 20.202 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:106 Resp: 57207

Ion Ratio Lower Upper

106 100

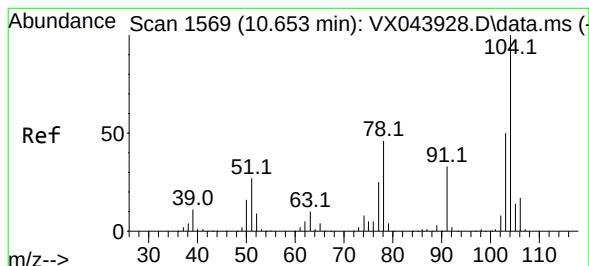
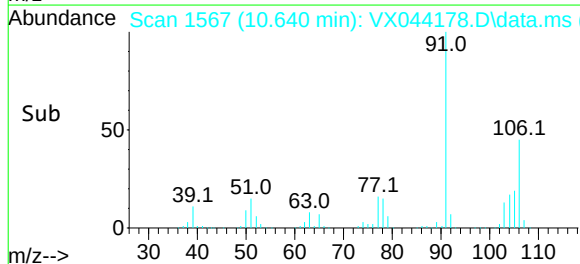
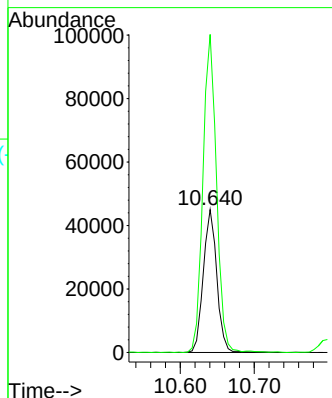
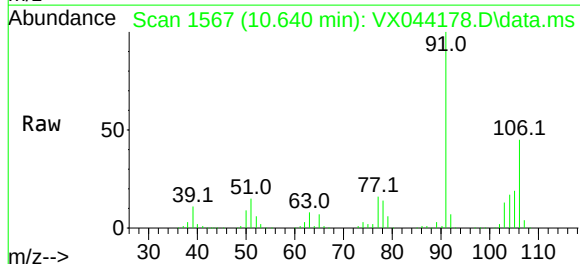
91 223.3 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 19.631 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

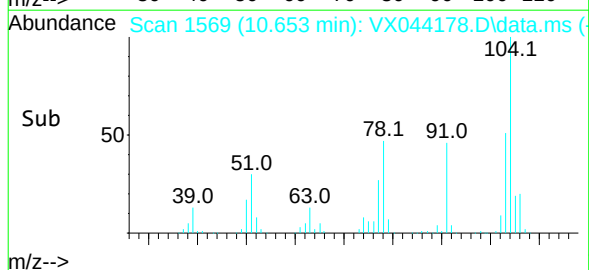
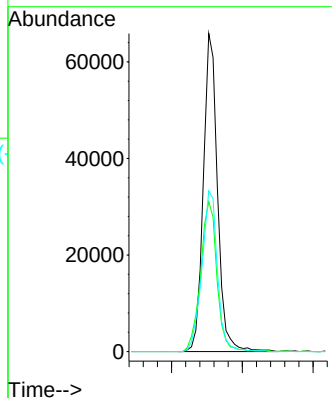
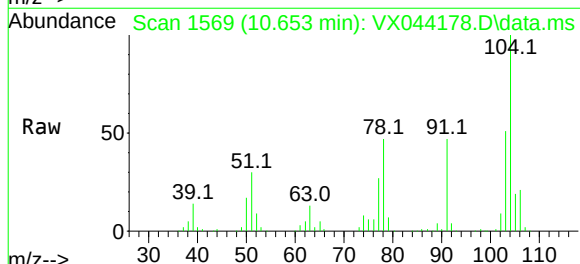
Tgt Ion:104 Resp: 91943

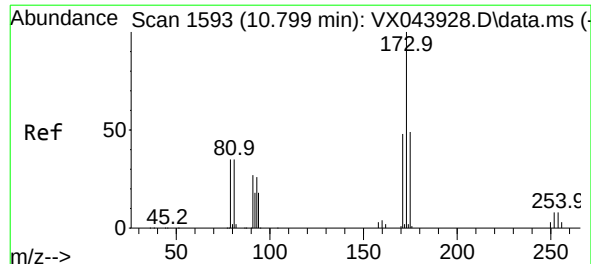
Ion Ratio Lower Upper

104 100

78 54.3 42.2 63.2

103 55.6 44.7 67.1





#71

Bromoform

Concen: 17.090 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

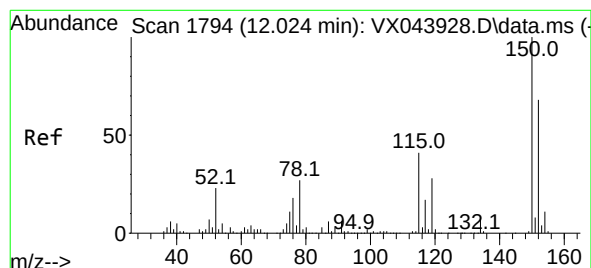
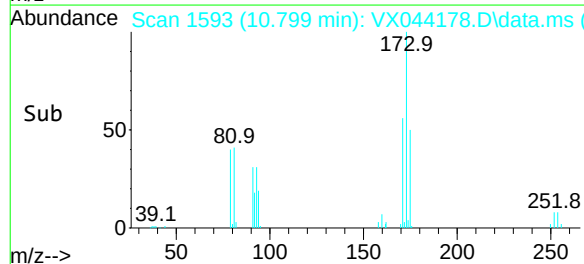
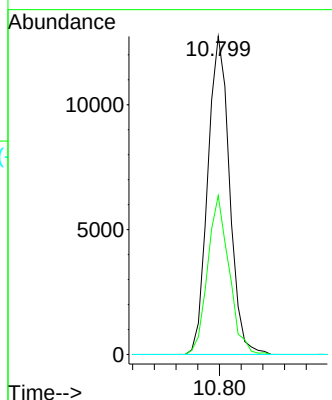
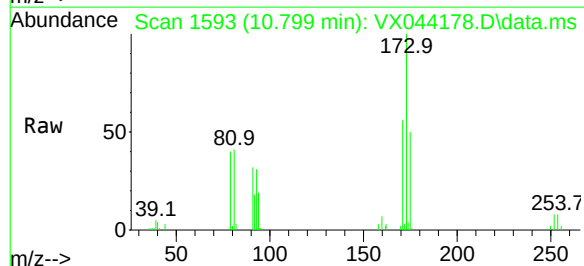
ClientSampleId :

VX1209WBS01

Tgt	Ion:173	Resp:	17741
Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

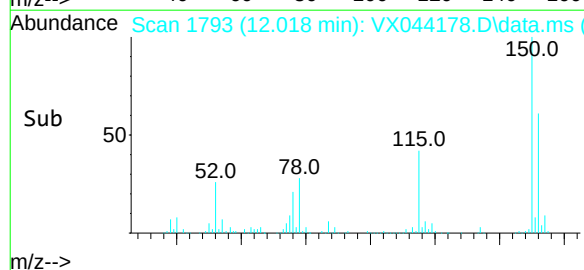
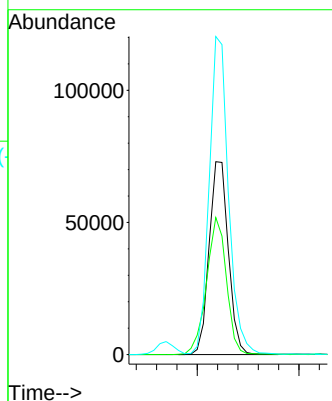
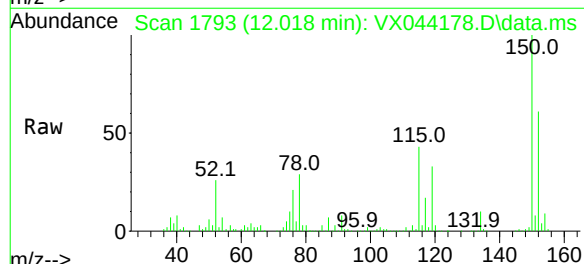
RT: 12.018 min Scan# 1793

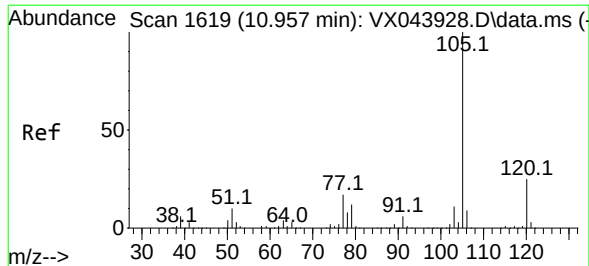
Delta R.T. -0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt	Ion:152	Resp:	95808
Ion	Ratio	Lower	Upper
152	100		
115	73.6	45.4	136.2
150	165.0	0.0	353.0





#73

Isopropylbenzene

Concen: 20.211 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 105 Resp: 148847

Ion Ratio Lower Upper

105 100

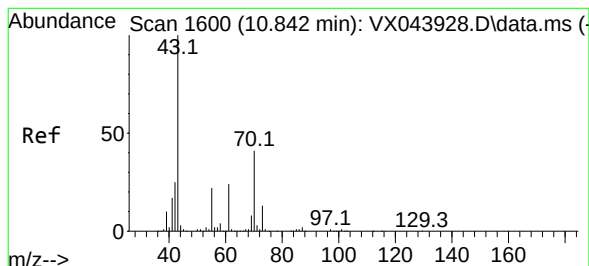
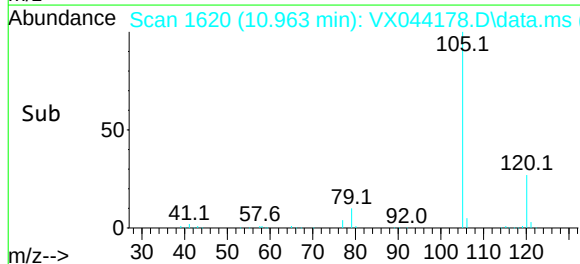
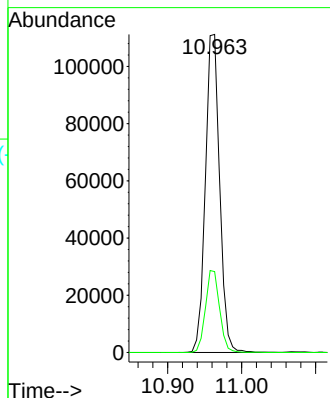
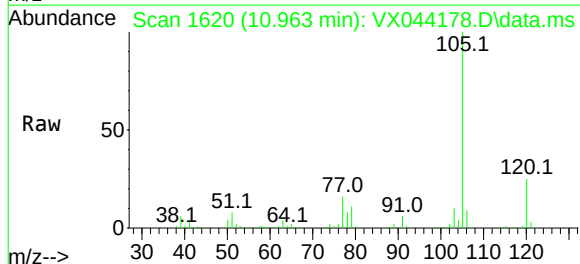
120 25.6 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 20.145 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 68730

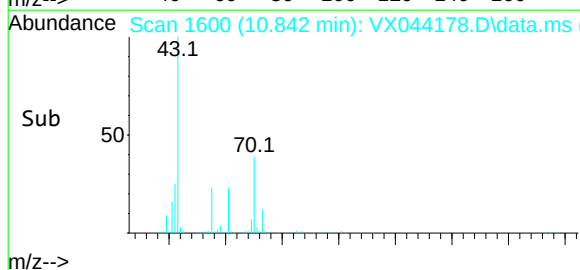
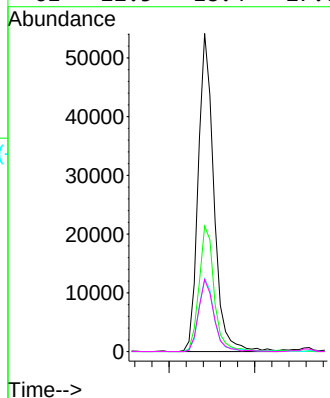
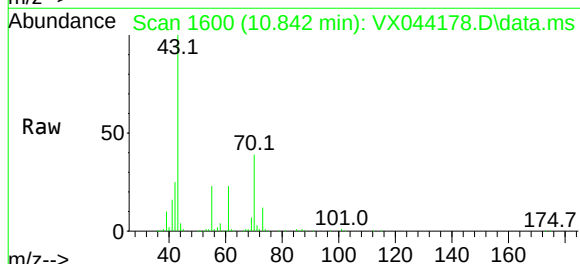
Ion Ratio Lower Upper

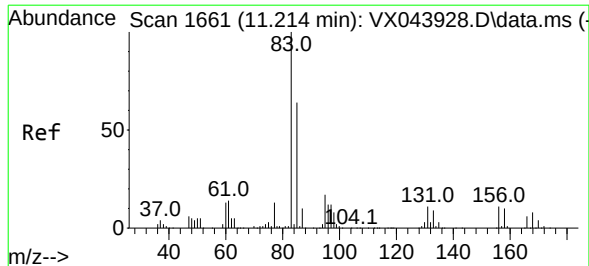
43 100

70 38.3 32.2 48.2

55 22.8 18.1 27.1

61 22.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.061 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

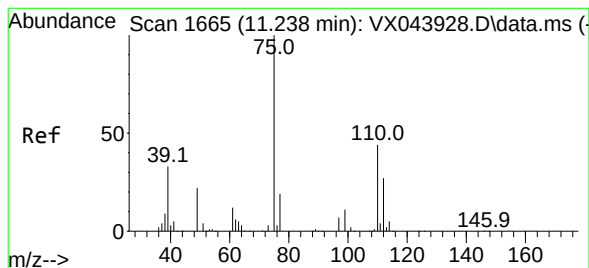
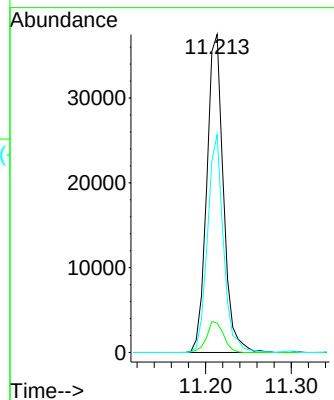
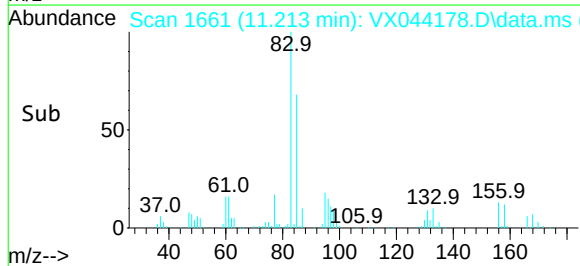
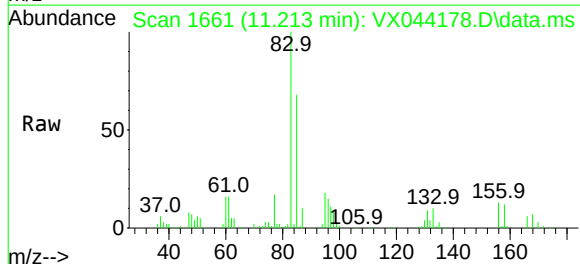
ClientSampleId :

VX1209WBS01

Tgt Ion:	83	Resp:	50588
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.2
85	65.6	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 20.124 ug/l m

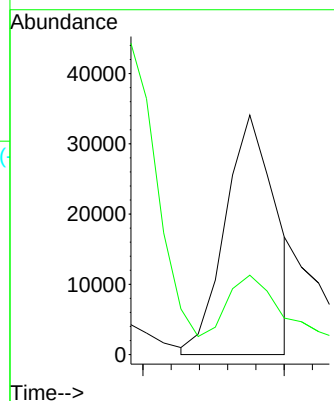
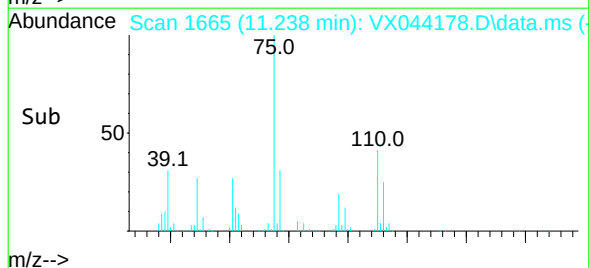
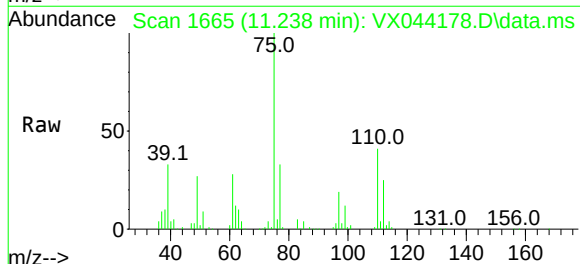
RT: 11.238 min Scan# 1665

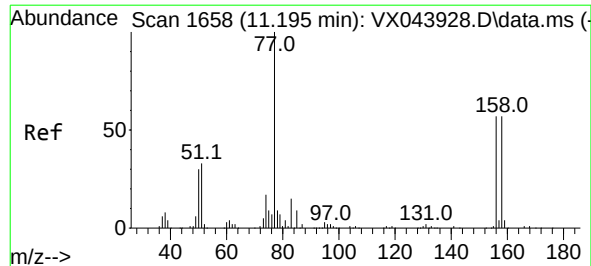
Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	75	Resp:	42281
Ion	Ratio	Lower	Upper
75	100		
77	43.1	21.8	65.3





#77

Bromobenzene

Concen: 19.595 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:156 Resp: 34426

Ion Ratio Lower Upper

156 100

77 168.2 83.4 250.1

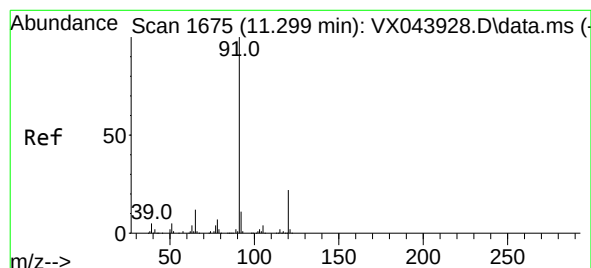
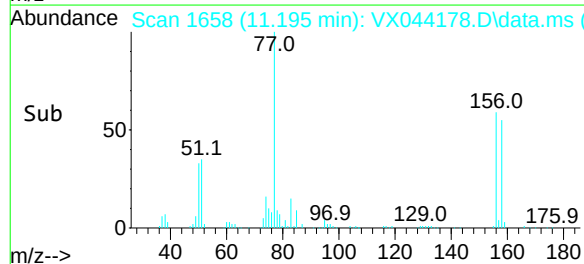
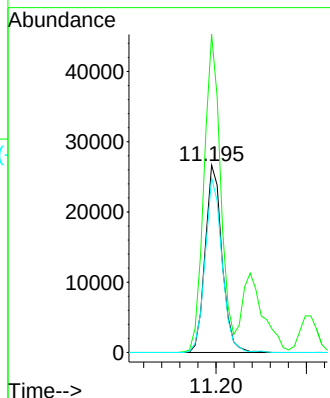
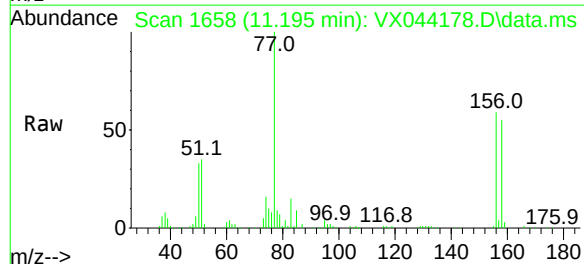
158 94.2 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#78

n-propylbenzene

Concen: 20.069 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044178.D

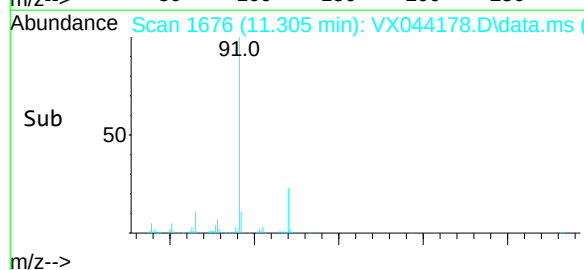
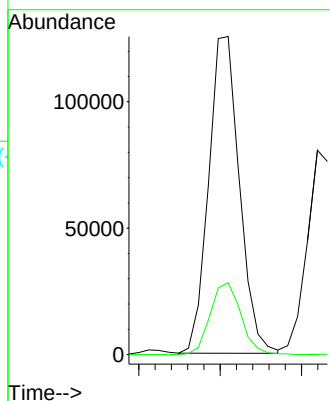
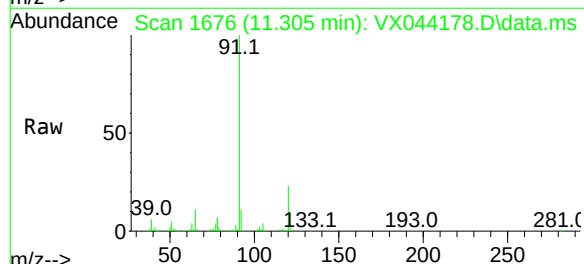
Acq: 09 Dec 2024 11:24

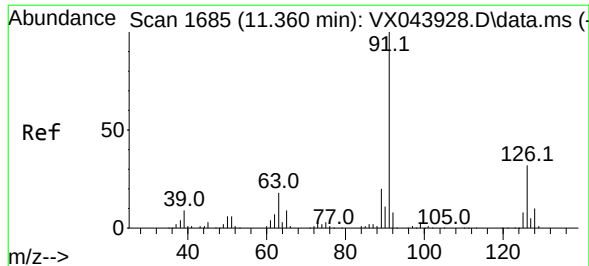
Tgt Ion: 91 Resp: 165076

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.821 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 91 Resp: 103092

Ion Ratio Lower Upper

91 100

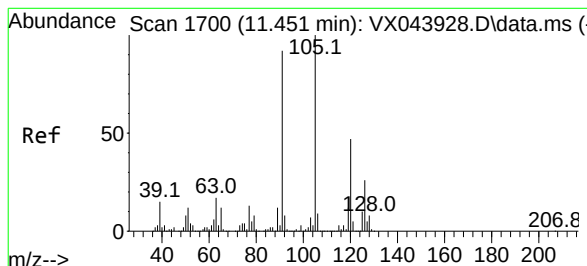
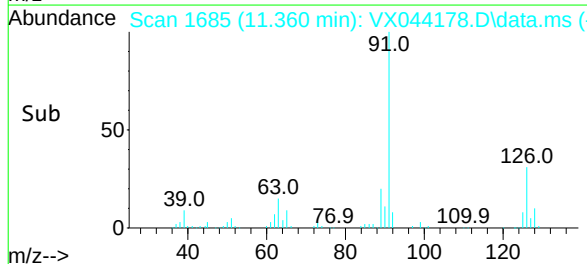
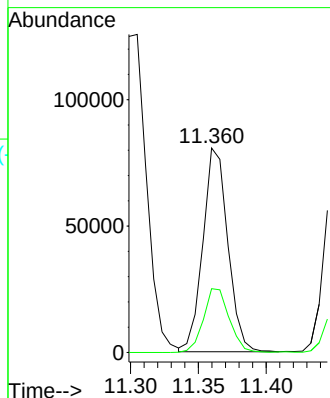
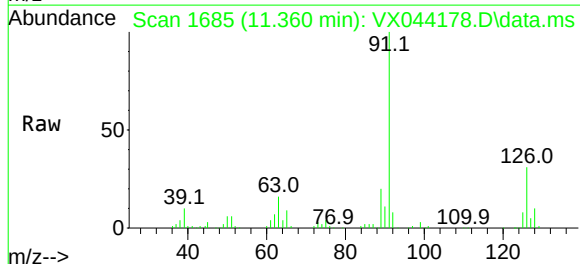
126 32.4 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 20.053 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044178.D

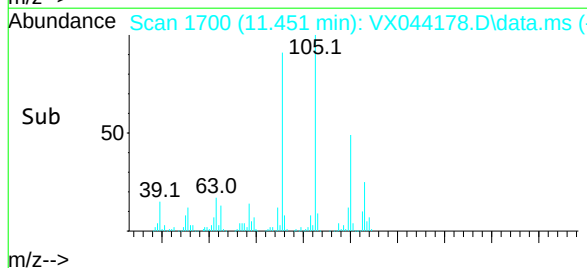
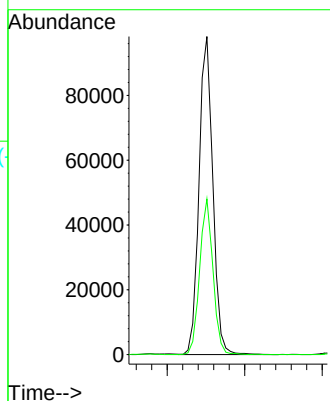
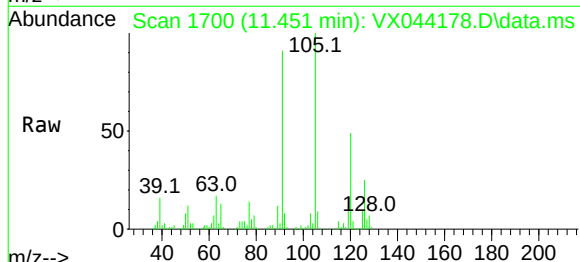
Acq: 09 Dec 2024 11:24

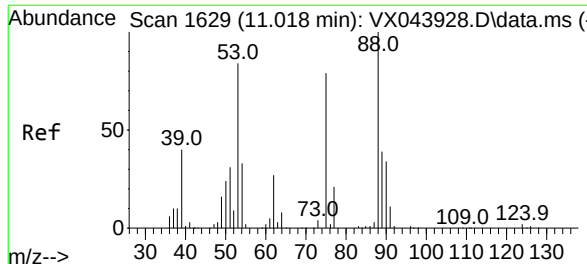
Tgt Ion:105 Resp: 121500

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.151 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 75 Resp: 12436

Ion Ratio Lower Upper

75 100

53 125.8 86.7 130.1

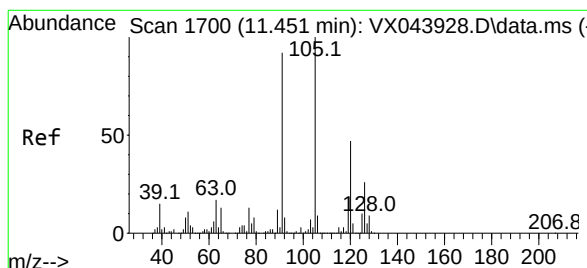
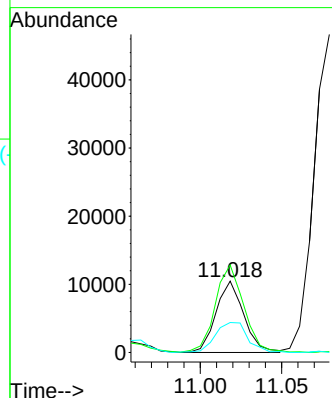
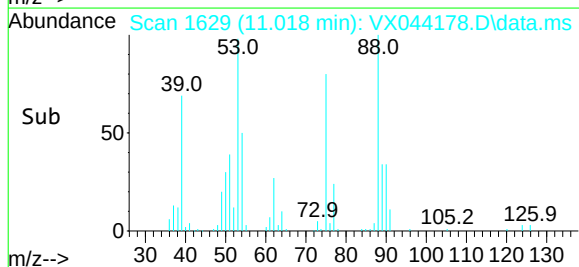
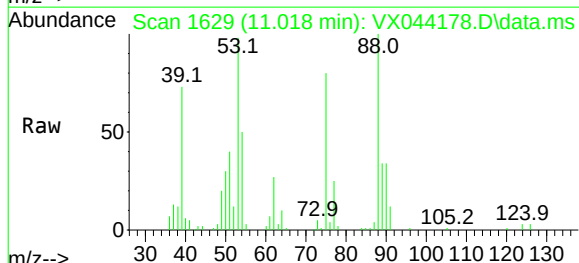
89 48.9 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#82

4-Chlorotoluene

Concen: 19.624 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044178.D

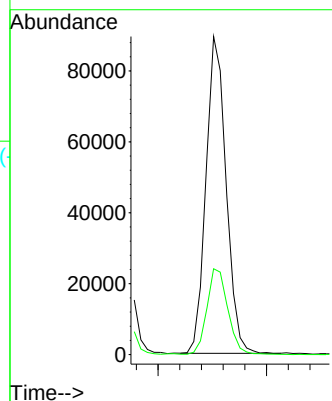
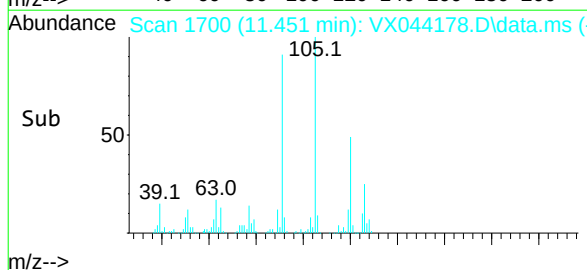
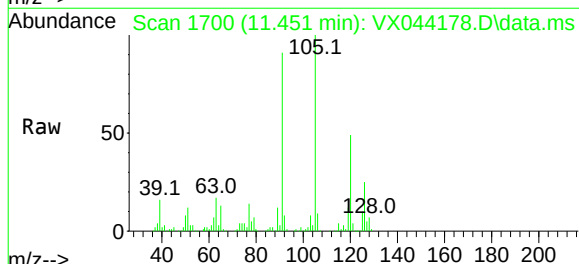
Acq: 09 Dec 2024 11:24

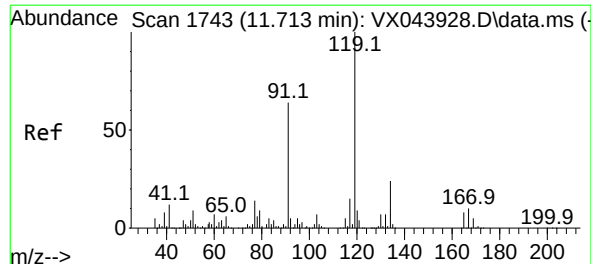
Tgt Ion: 91 Resp: 115232

Ion Ratio Lower Upper

91 100

126 28.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 20.446 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:119 Resp: 122790

Ion Ratio Lower Upper

119 100

91 62.5 31.0 93.0

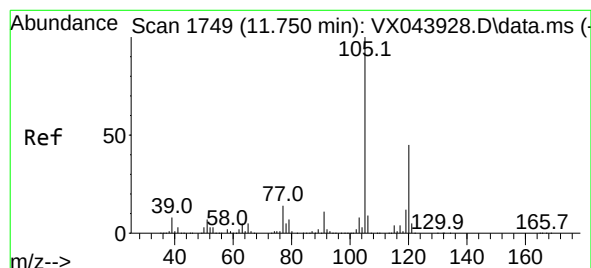
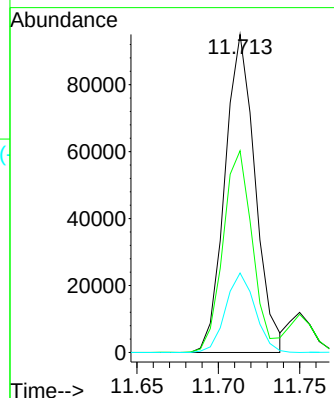
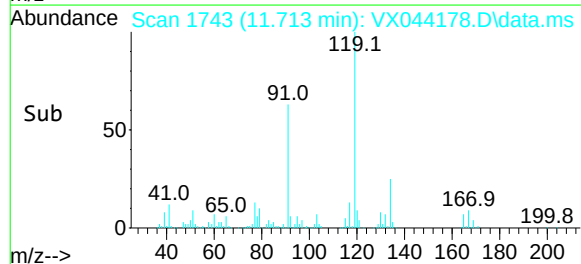
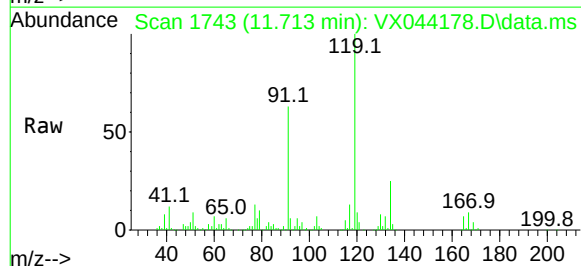
134 24.3 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 20.696 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044178.D

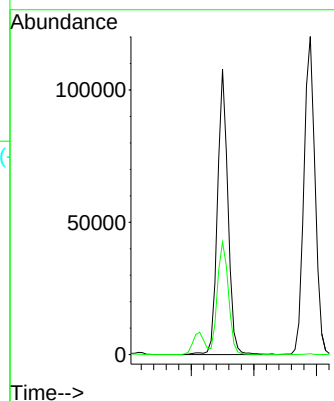
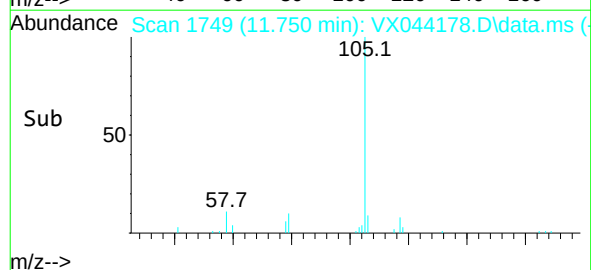
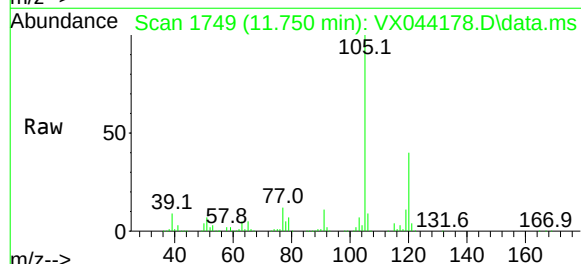
Acq: 09 Dec 2024 11:24

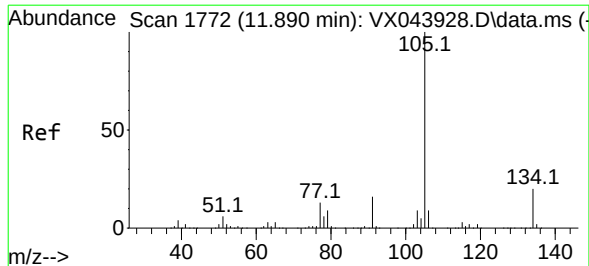
Tgt Ion:105 Resp: 124841

Ion Ratio Lower Upper

105 100

120 41.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.184 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:105 Resp: 148512

Ion Ratio Lower Upper

105 100

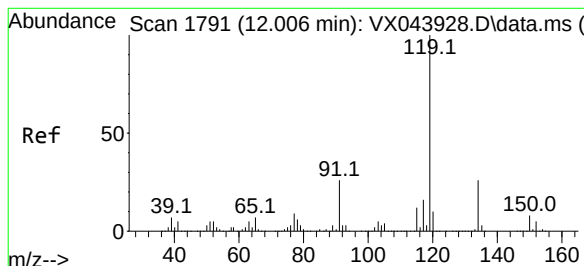
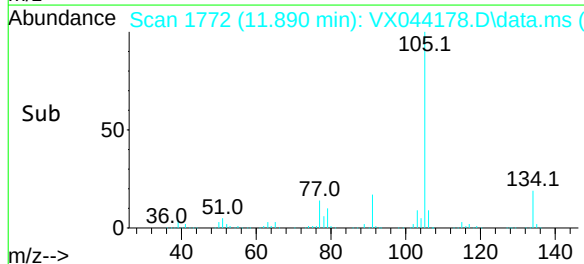
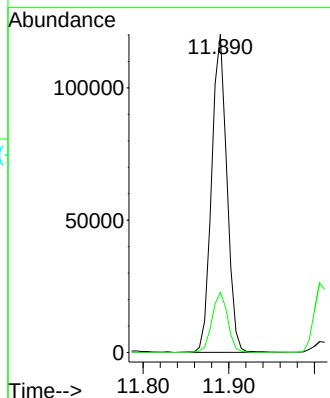
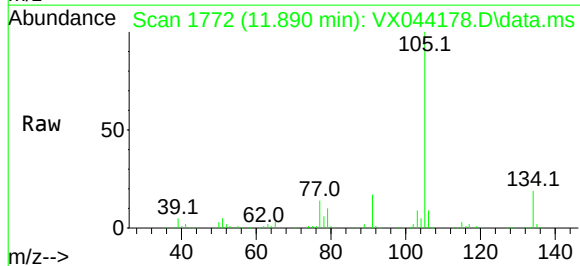
134 19.4 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#86

p-Isopropyltoluene

Concen: 20.982 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

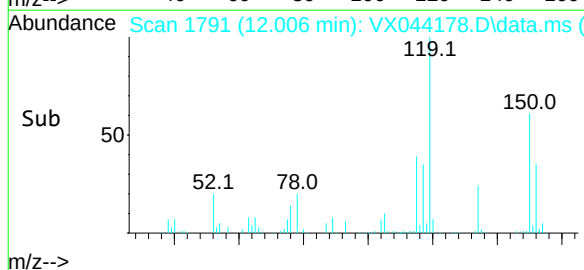
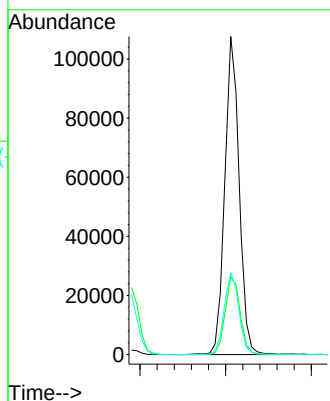
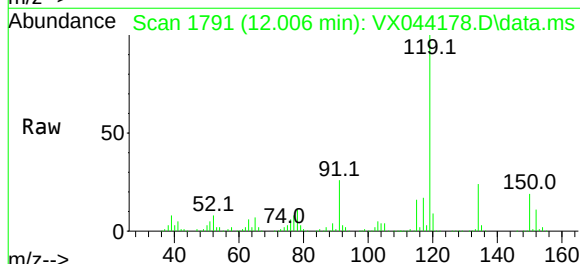
Tgt Ion:119 Resp: 125408

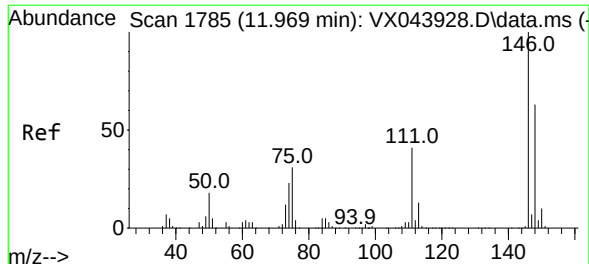
Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 26.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 19.238 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

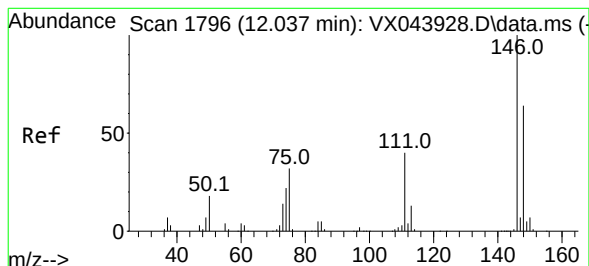
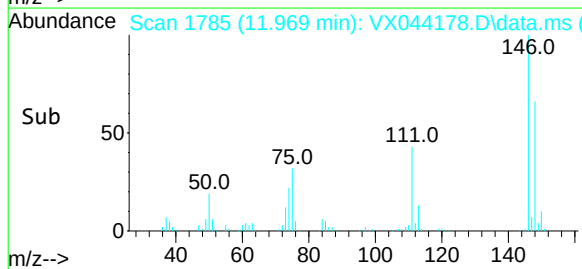
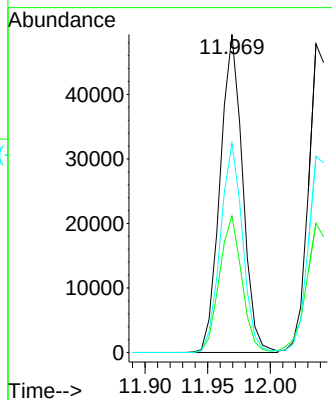
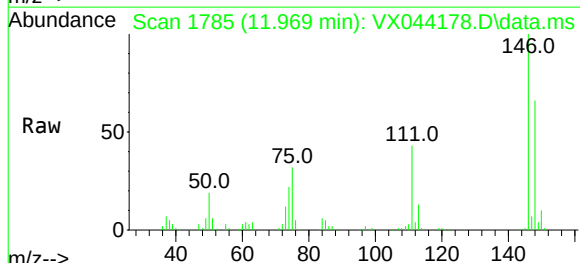
ClientSampleId :

VX1209WBS01

Tgt Ion:	146	Resp:	61556
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.1	63.3
148	64.6	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

Concen: 18.952 ug/l

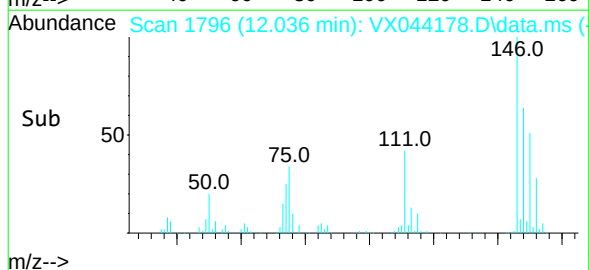
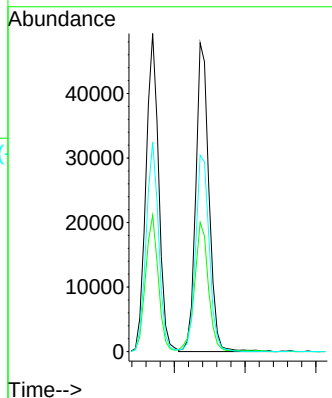
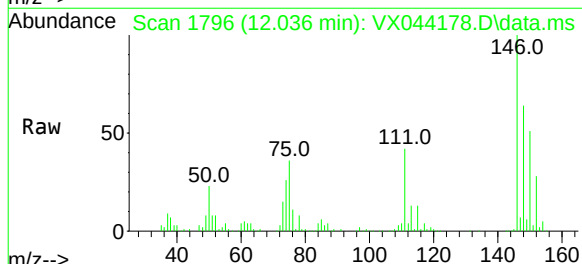
RT: 12.036 min Scan# 1796

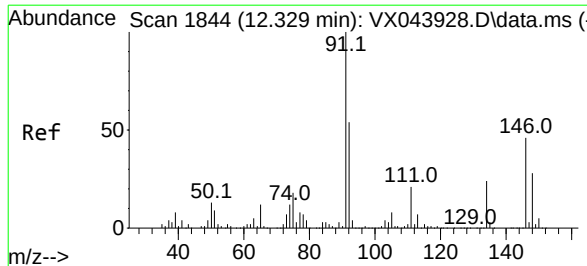
Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	146	Resp:	61826
Ion Ratio	Lower	Upper	
146	100		
111	43.4	20.1	60.3
148	66.0	30.9	92.8





#89

n-Butylbenzene

Concen: 19.742 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 91 Resp: 104032

Ion Ratio Lower Upper

91 100

92 53.0 26.6 79.8

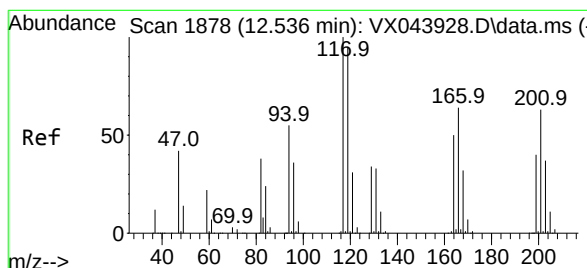
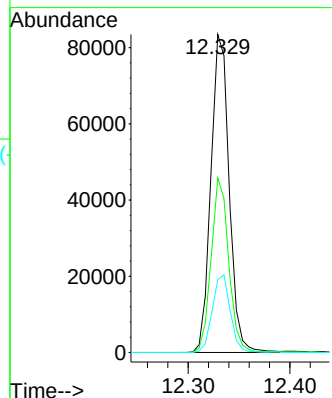
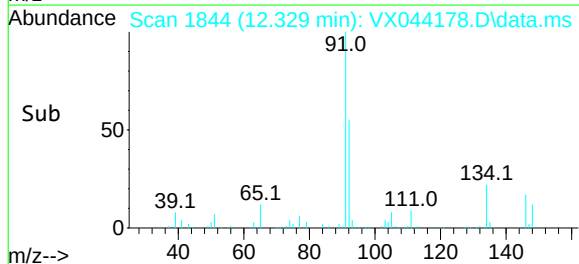
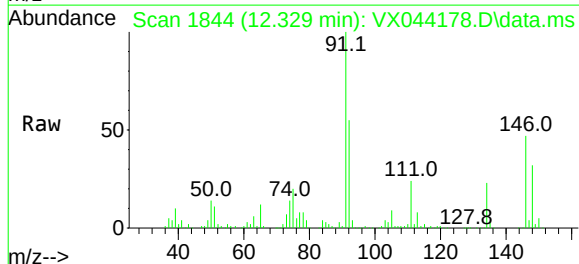
134 24.0 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#90

Hexachloroethane

Concen: 17.554 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044178.D

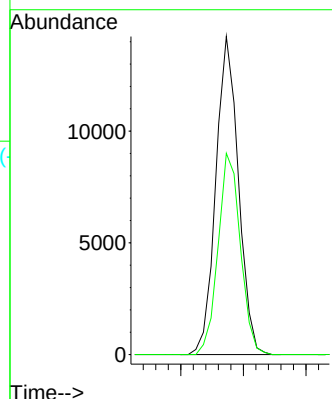
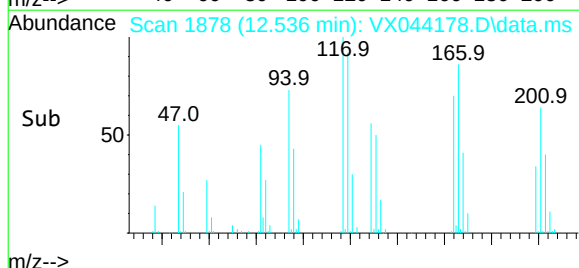
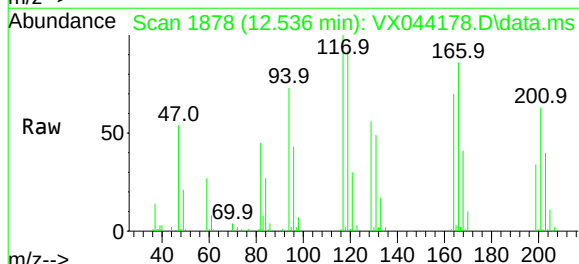
Acq: 09 Dec 2024 11:24

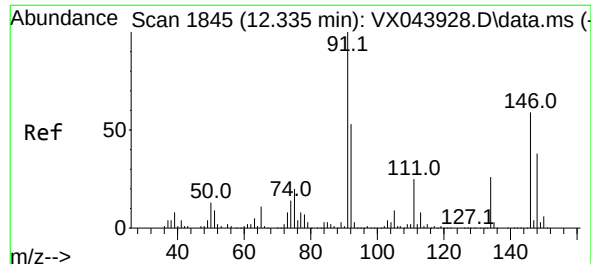
Tgt Ion:117 Resp: 17841

Ion Ratio Lower Upper

117 100

201 62.3 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 19.166 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

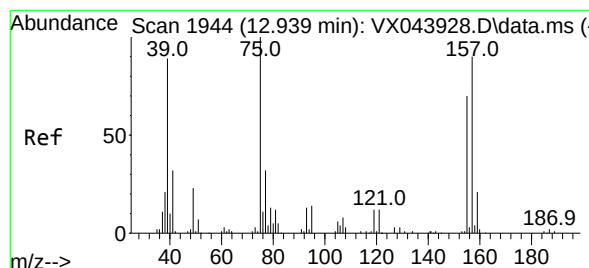
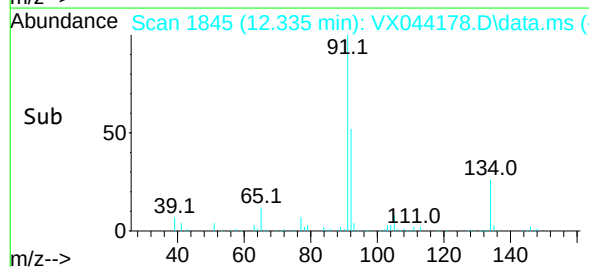
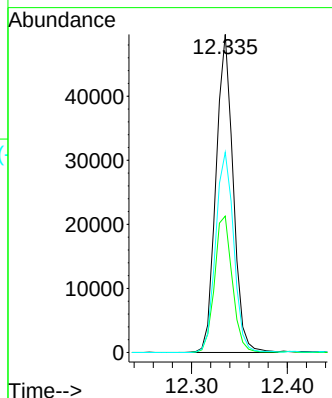
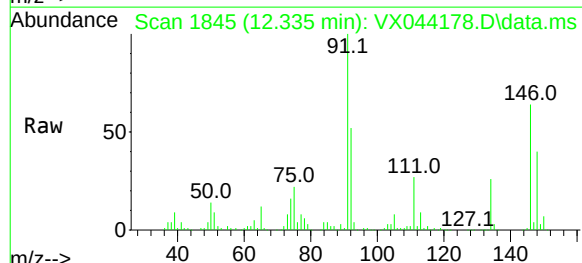
Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:	146	Resp:	61888
Ion Ratio	Lower	Upper	
146	100		
111	44.4	21.5	64.5
148	66.4	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.561 ug/l

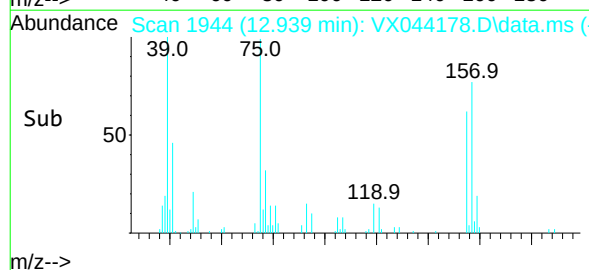
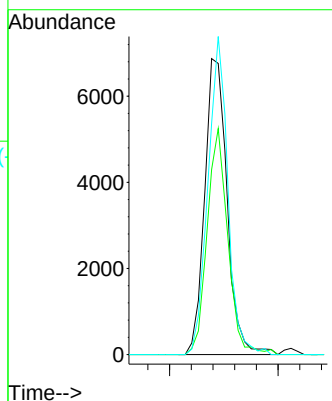
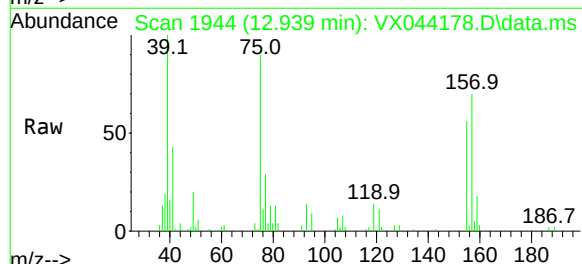
RT: 12.939 min Scan# 1944

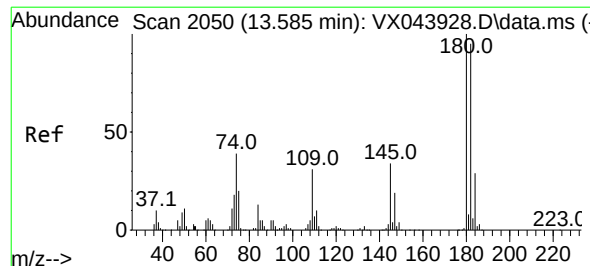
Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	75	Resp:	9884
Ion Ratio	Lower	Upper	
75	100		
155	70.2	40.1	120.2
157	95.1	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 18.559 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion:180 Resp: 35332

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.2

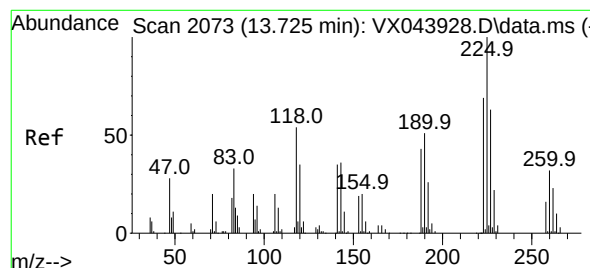
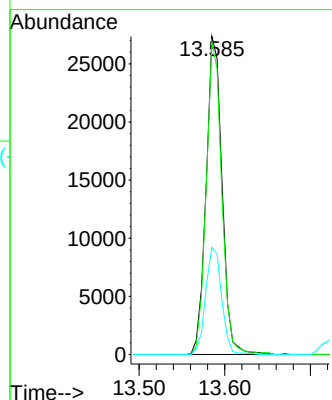
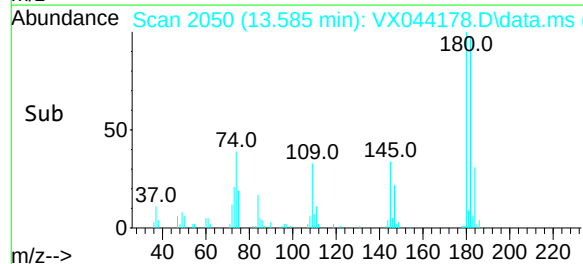
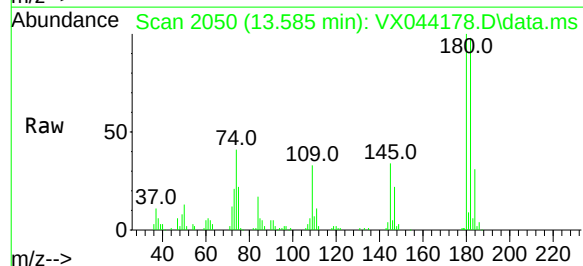
145 34.0 16.8 50.4

Manual Integrations

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#94

Hexachlorobutadiene

Concen: 19.222 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

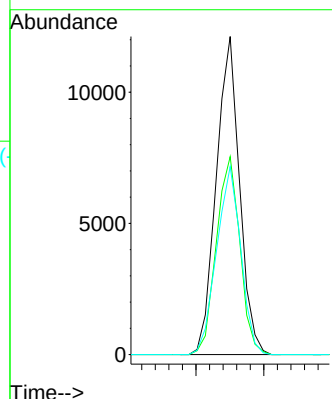
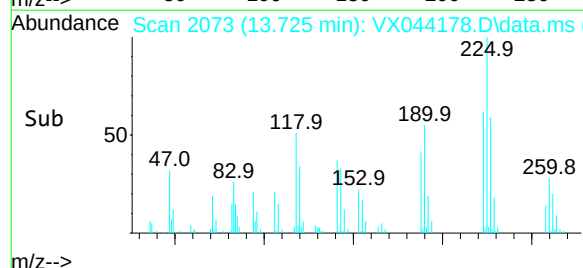
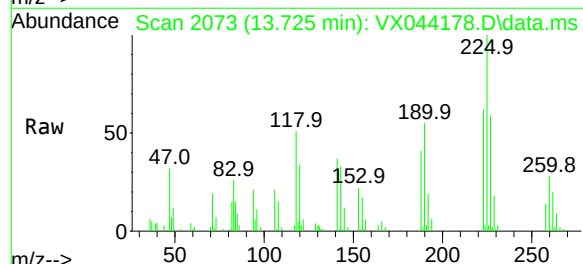
Tgt Ion:225 Resp: 14463

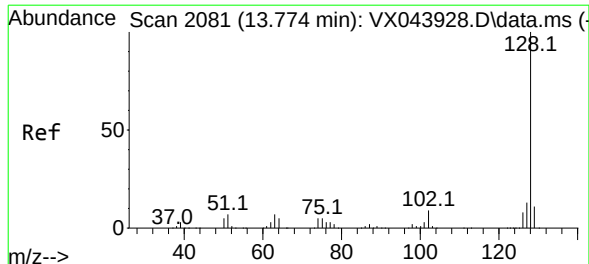
Ion Ratio Lower Upper

225 100

223 62.8 32.9 98.6

227 61.3 31.6 94.8





#95

Naphthalene

Concen: 20.408 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

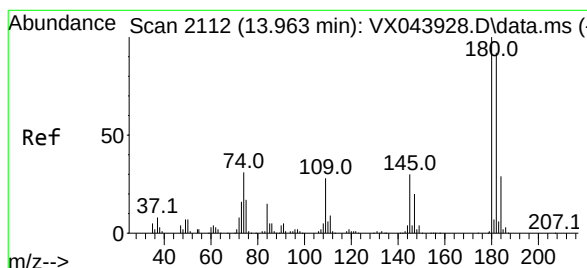
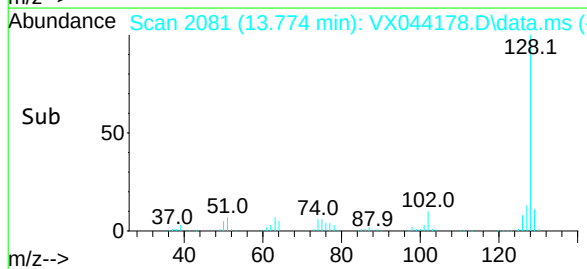
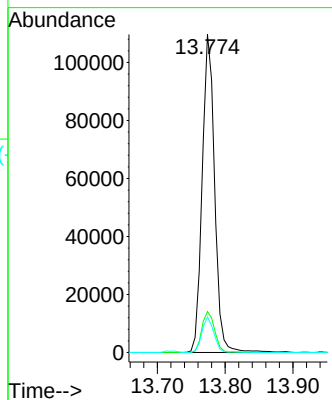
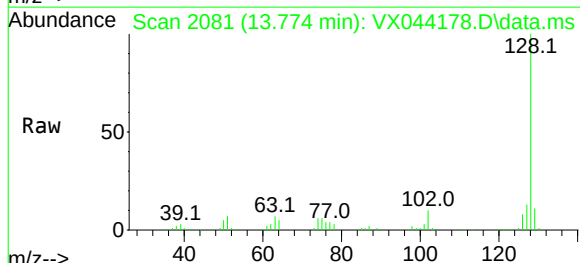
VX1209WBS01

Tgt Ion:	128	Resp:	139855
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
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Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 19.284 ug/l

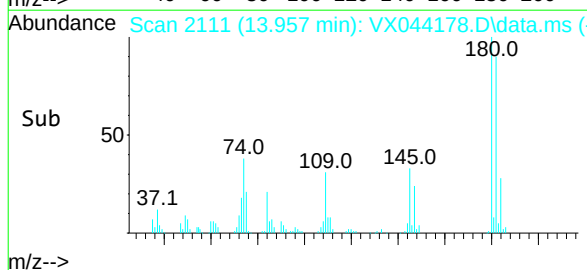
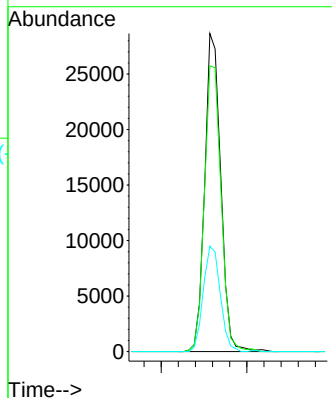
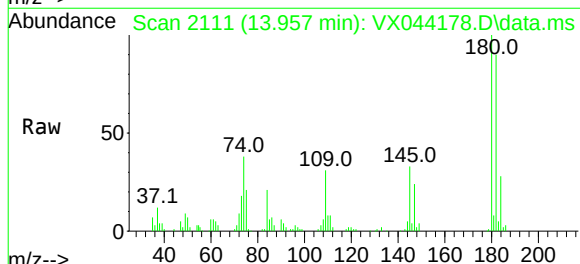
RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Tgt Ion:	180	Resp:	37158
Ion	Ratio	Lower	Upper
180	100		
182	93.6	45.6	136.8
145	35.1	16.4	49.4



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1210WBS01		SDG No.:	P5164
Lab Sample ID:	VX1210WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	15.1		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	15.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	0.75	1.00	ug/L
67-64-1	Acetone	91.1		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	12.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.4		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.7		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	20.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	16.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.7		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.9		0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	
Client Sample ID:	VX1210WBS01			SDG No.:	P5164
Lab Sample ID:	VX1210WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.6		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.6		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.544				
540-36-3	1,4-Difluorobenzene	255000	6.757				
3114-55-4	Chlorobenzene-d5	218000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	101000	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1210WBS01		SDG No.:	P5164
Lab Sample ID:	VX1210WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044201.D	1		12/10/24 12:22	VX121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

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\VX121024\
 Data File : VX044201.D
 Acq On : 10 Dec 2024 12:22
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Quant Time: Dec 11 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	143461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101326	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	129362	52.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.140%
35) Dibromofluoromethane	5.379	113	92918	50.900	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.800%
50) Toluene-d8	8.647	98	311978	49.578	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.160%
62) 4-Bromofluorobenzene	11.079	95	110798	51.736	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.480%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	27516	15.140	ug/l	99
3) Chloromethane	1.295	50	30484	15.939	ug/l	97
4) Vinyl Chloride	1.374	62	36016	17.705	ug/l	97
5) Bromomethane	1.593	94	25357	20.263	ug/l	99
6) Chloroethane	1.666	64	26478	21.362	ug/l	99
7) Trichlorofluoromethane	1.868	101	69776	19.186	ug/l	95
8) Diethyl Ether	2.130	74	26007	19.620	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	31317	18.052	ug/l	98
10) Methyl Iodide	2.441	142	40131	18.522	ug/l	97
11) Tert butyl alcohol	2.989	59	32534	82.375	ug/l	97
12) 1,1-Dichloroethene	2.307	96	29004	17.545	ug/l	99
13) Acrolein	2.240	56	29903	71.832	ug/l	98
14) Allyl chloride	2.654	41	47939	17.748	ug/l	96
15) Acrylonitrile	3.069	53	97496	101.298	ug/l	99
16) Acetone	2.386	43	102985	91.126	ug/l	100
17) Carbon Disulfide	2.502	76	43919	12.880	ug/l	99
18) Methyl Acetate	2.709	43	53732	20.416	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	122196	20.358	ug/l	97
20) Methylene Chloride	2.782	84	35205	18.357	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	30038	17.600	ug/l	98
22) Diisopropyl ether	3.764	45	114408	19.808	ug/l	92
23) Vinyl Acetate	3.721	43	487174	98.600	ug/l	99
24) 1,1-Dichloroethane	3.605	63	64095	19.236	ug/l	98
25) 2-Butanone	4.562	43	149041	102.207	ug/l	100
26) 2,2-Dichloropropane	4.471	77	54378	18.070	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	40454	19.176	ug/l	98
28) Bromochloromethane	4.898	49	31279	21.326	ug/l	98
29) Tetrahydrofuran	5.013	42	91295	102.121	ug/l	99
30) Chloroform	5.093	83	71902	20.063	ug/l	99
31) Cyclohexane	5.465	56	48485	17.680	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62516	20.229	ug/l	99
36) 1,1-Dichloropropene	5.684	75	42707	18.774	ug/l	99
37) Ethyl Acetate	4.721	43	56223	19.911	ug/l	98
38) Carbon Tetrachloride	5.666	117	46733	18.283	ug/l	96
39) Methylcyclohexane	7.379	83	49682	16.811	ug/l	95
40) Benzene	6.032	78	134799	19.024	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044201.D
 Acq On : 10 Dec 2024 12:22
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	30829	21.331	ug/l	95
42) 1,2-Dichloroethane	6.086	62	57506	20.207	ug/l	99
43) Isopropyl Acetate	6.342	43	92107	20.496	ug/l	99
44) Trichloroethene	7.123	130	32850	16.377	ug/l	96
45) 1,2-Dichloropropane	7.434	63	34167	19.687	ug/l	94
46) Dibromomethane	7.580	93	27883	20.310	ug/l	99
47) Bromodichloromethane	7.818	83	49215	19.988	ug/l	98
48) Methyl methacrylate	7.696	41	43021	19.951	ug/l	99
49) 1,4-Dioxane	7.665	88	9854	256.541	ug/l #	38
51) 4-Methyl-2-Pentanone	8.574	43	301689	110.009	ug/l	98
52) Toluene	8.720	92	84219	19.858	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	47285	18.833	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	51841	18.834	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	35301	20.164	ug/l	98
56) Ethyl methacrylate	9.116	69	55856	20.483	ug/l	97
57) 1,3-Dichloropropane	9.305	76	60589	20.545	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	123591	82.064	ug/l	97
59) 2-Hexanone	9.433	43	221552	107.484	ug/l	100
60) Dibromochloromethane	9.519	129	33007	18.791	ug/l	95
61) 1,2-Dibromoethane	9.610	107	36436	20.583	ug/l	99
64) Tetrachloroethene	9.275	164	28559	19.902	ug/l	97
65) Chlorobenzene	10.080	112	93648	19.593	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	31344	20.220	ug/l	97
67) Ethyl Benzene	10.195	91	161984	20.000	ug/l	100
68) m/p-Xylenes	10.299	106	121841	40.339	ug/l	98
69) o-Xylene	10.640	106	59823	20.286	ug/l	98
70) Styrene	10.653	104	98764	20.249	ug/l	98
71) Bromoform	10.799	173	19230	17.726	ug/l #	98
73) Isopropylbenzene	10.964	105	156270	20.063	ug/l	100
74) N-ethyl acetate	10.842	43	72802	20.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	55313	20.740	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	45635m	20.537	ug/l	
77) Bromobenzene	11.195	156	36322	19.549	ug/l	99
78) n-propylbenzene	11.305	91	169125	19.442	ug/l	100
79) 2-Chlorotoluene	11.366	91	109815	19.964	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	129646	20.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13258	16.281	ug/l	88
82) 4-Chlorotoluene	11.451	91	124570	20.059	ug/l	98
83) tert-Butylbenzene	11.713	119	130260	20.509	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	133139	20.869	ug/l	98
85) sec-Butylbenzene	11.890	105	156966	20.171	ug/l	99
86) p-Isopropyltoluene	12.006	119	131174	20.752	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	64387	19.027	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	66782	19.356	ug/l	98
89) n-Butylbenzene	12.335	91	108826	19.527	ug/l	98
90) Hexachloroethane	12.536	117	18615	17.319	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	67188	19.674	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10196	19.080	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	34977	17.372	ug/l	94
94) Hexachlorobutadiene	13.725	225	14782	18.576	ug/l	99
95) Naphthalene	13.774	128	143097	19.744	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38793	19.036	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

Quant Time: Dec 11 01:28:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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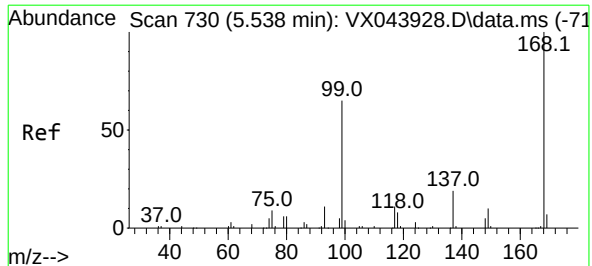
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024





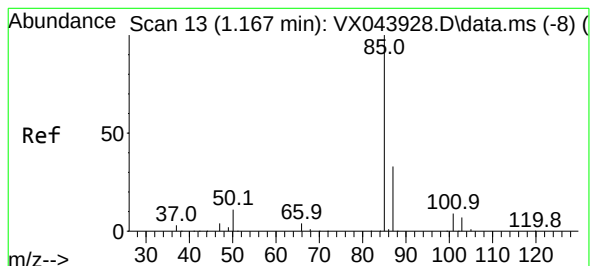
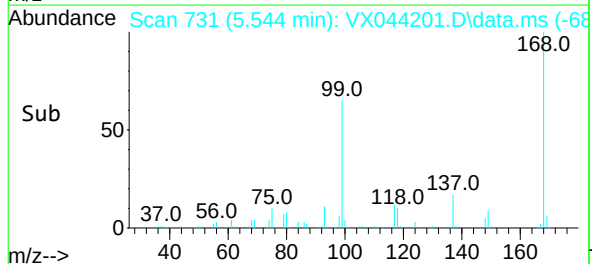
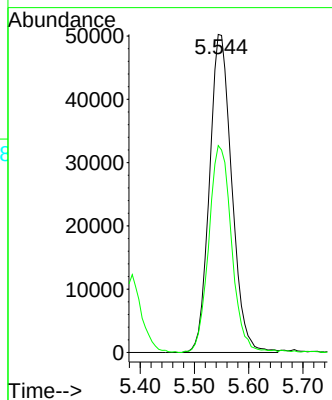
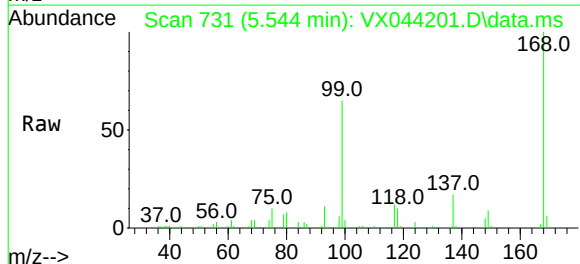
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Tgt Ion: 168 Resp: 143461
Ion Ratio Lower Upper
168 100
99 65.0 51.8 77.8

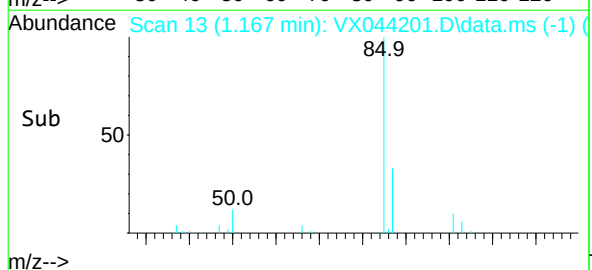
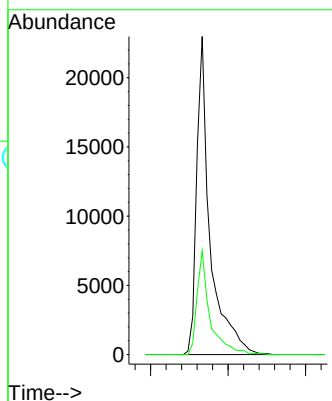
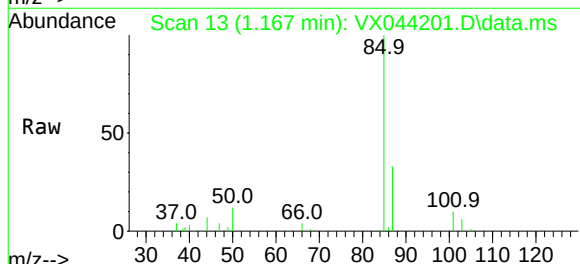
Manual Integrations
APPROVED

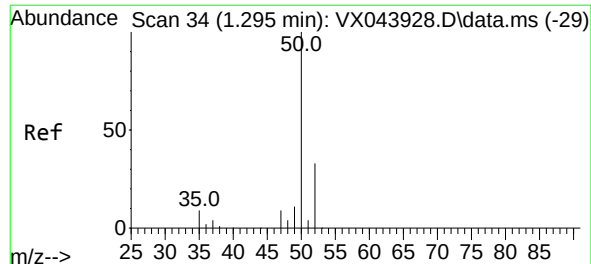
Reviewed By : John Carlone 12/11/2024
Supervised By : Mahesh Dadoda 12/11/2024



#2
Dichlorodifluoromethane
Concen: 15.140 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 85 Resp: 27516
Ion Ratio Lower Upper
85 100
87 32.6 16.6 49.8





#3

Chloromethane

Concen: 15.939 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 50 Resp: 30484

Ion Ratio Lower Upper

50 100

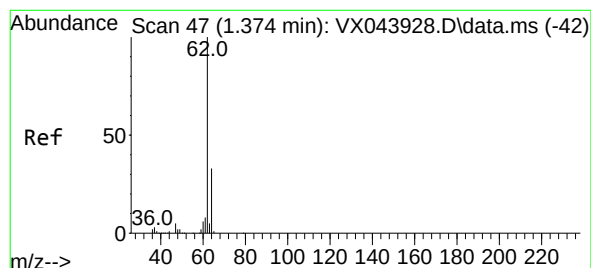
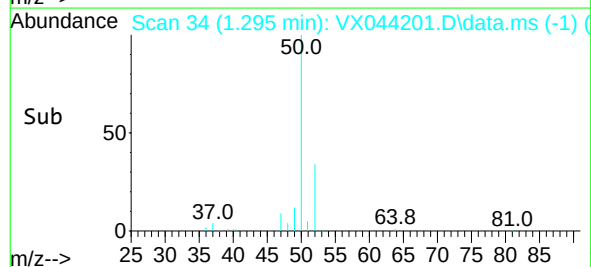
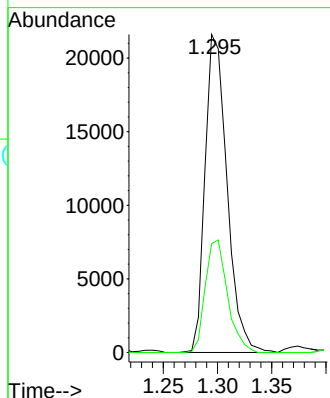
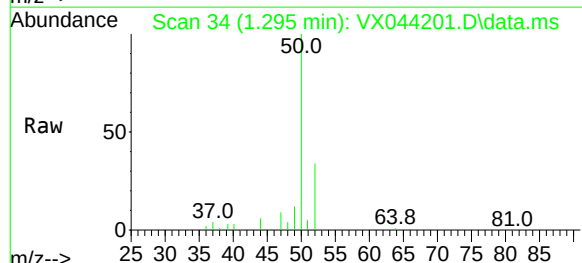
52 34.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#4

Vinyl Chloride

Concen: 17.705 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044201.D

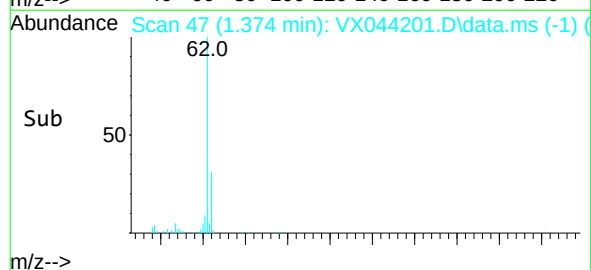
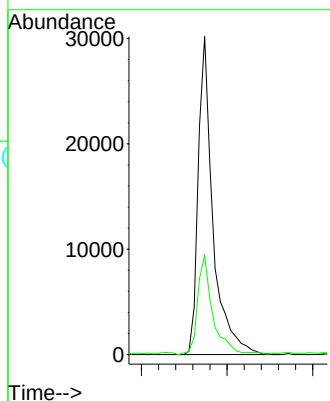
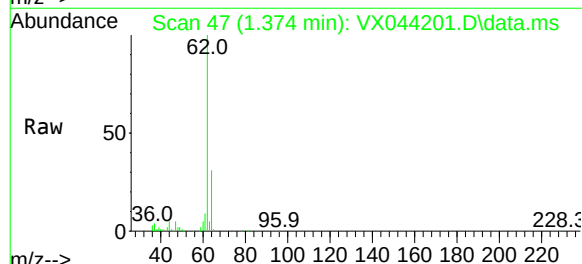
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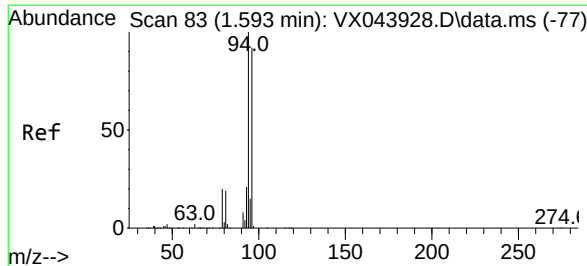
Tgt Ion: 62 Resp: 36016

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4





#5

Bromomethane

Concen: 20.263 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 94 Resp: 25357

Ion Ratio Lower Upper

94 100

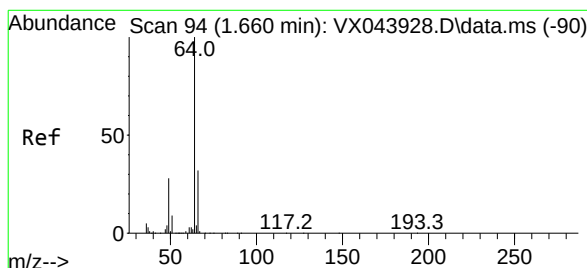
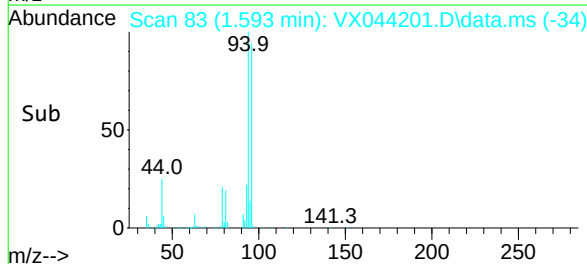
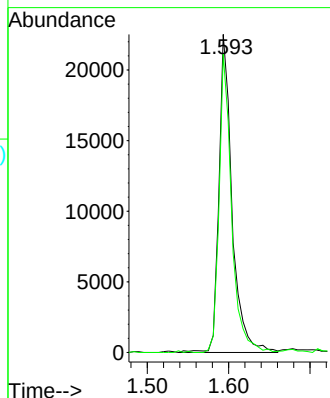
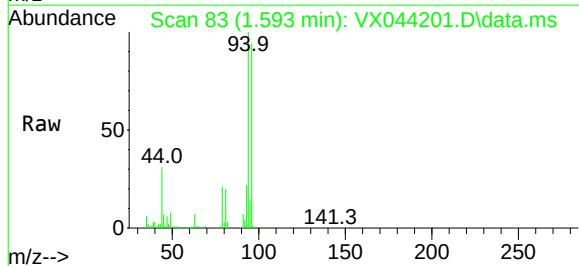
96 93.4 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#6

Chloroethane

Concen: 21.362 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044201.D

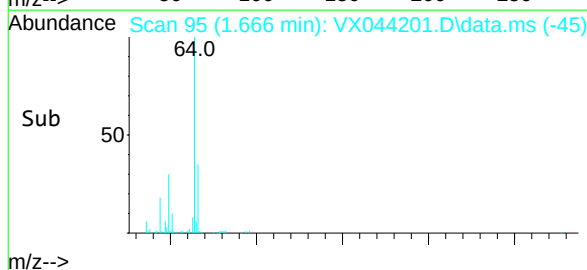
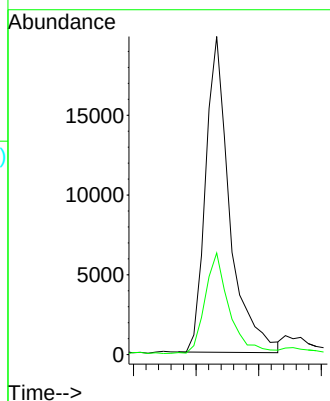
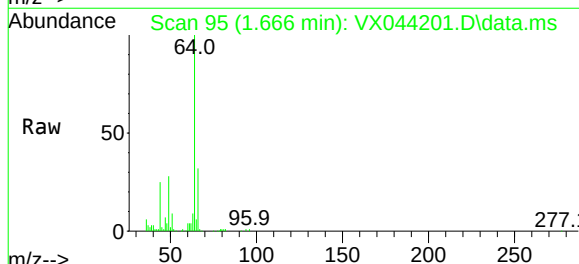
Acq: 10 Dec 2024 12:22

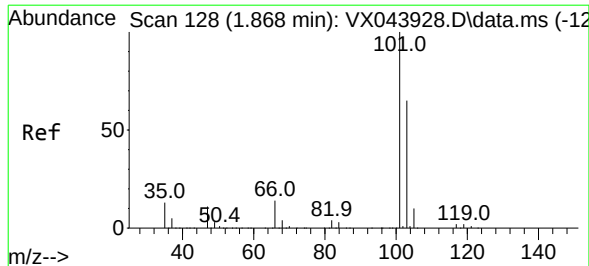
Tgt Ion: 64 Resp: 26478

Ion Ratio Lower Upper

64 100

66 31.6 25.9 38.9





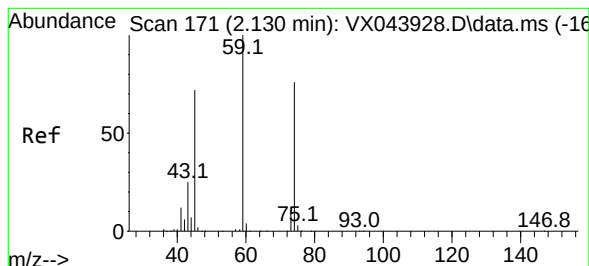
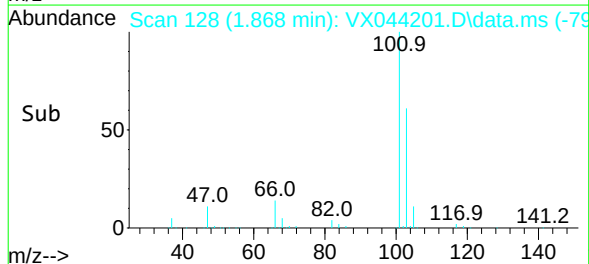
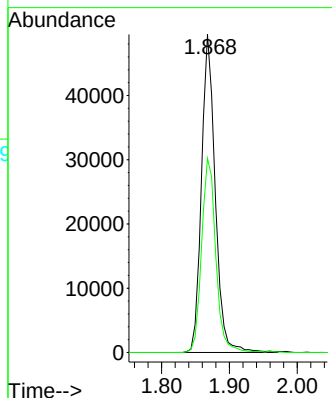
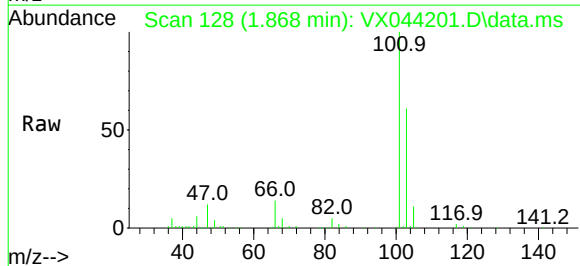
#7
 Trichlorofluoromethane
 Concen: 19.186 ug/l
 RT: 1.868 min Scan# 128
 Delta R.T. 0.000 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Tgt Ion: 101 Resp: 69776
 Ion Ratio Lower Upper
 101 100
 103 61.1 52.2 78.2

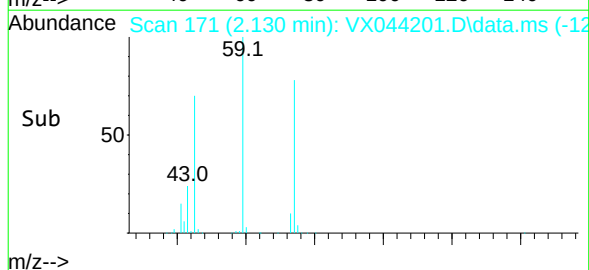
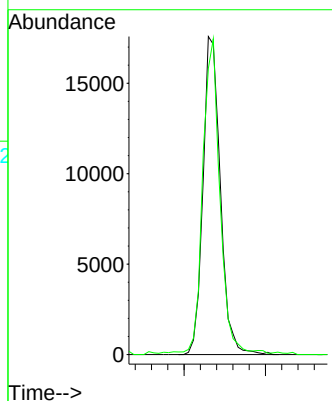
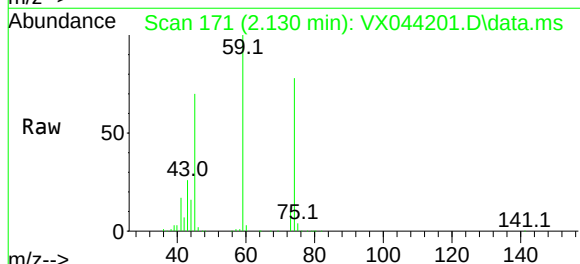
Manual Integrations
 APPROVED

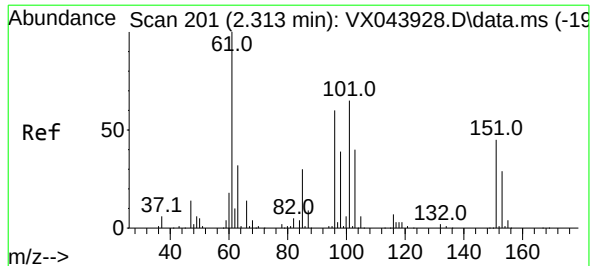
Reviewed By : John Carlone 12/11/2024
 Supervised By : Mahesh Dadoda 12/11/2024



#8
 Diethyl Ether
 Concen: 19.620 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.000 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

Tgt Ion: 74 Resp: 26007
 Ion Ratio Lower Upper
 74 100
 45 97.0 47.9 143.6





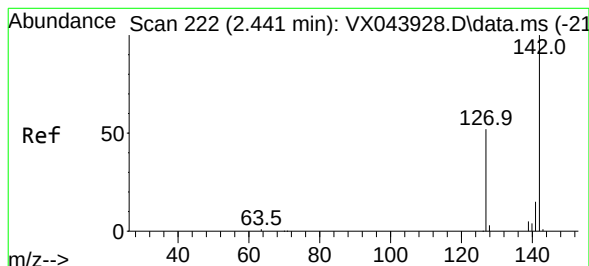
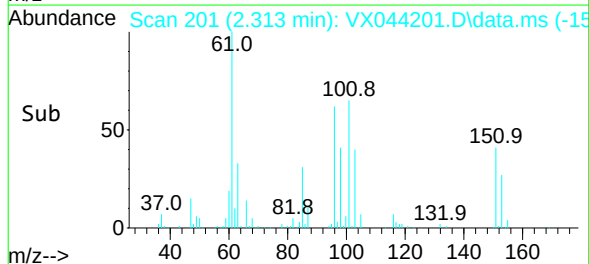
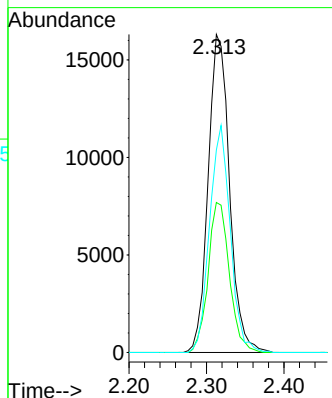
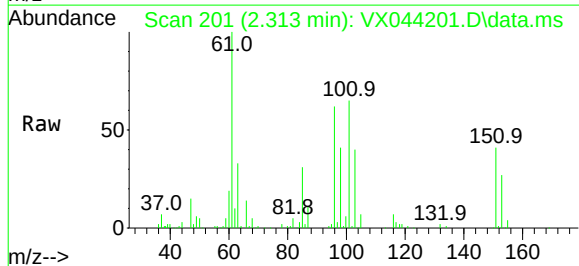
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.052 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.9	56.9
151	69.1	57.5	86.3

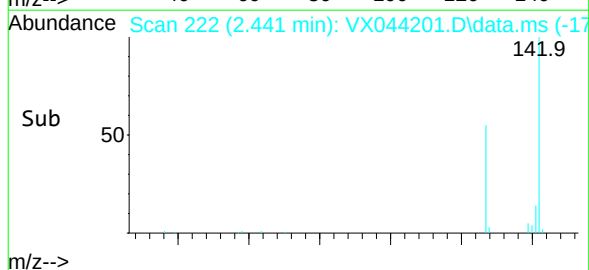
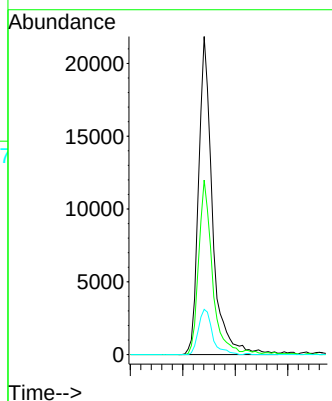
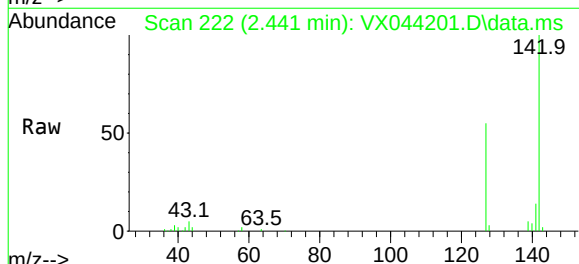
Manual Integrations
APPROVED

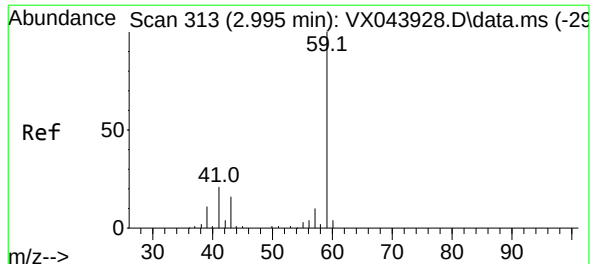
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#10
Methyl Iodide
Concen: 18.522 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.5	40.7	61.1
141	14.4	12.0	18.0





#11

Tert butyl alcohol

Concen: 82.375 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 59 Resp: 32534

Ion Ratio Lower Upper

59 100

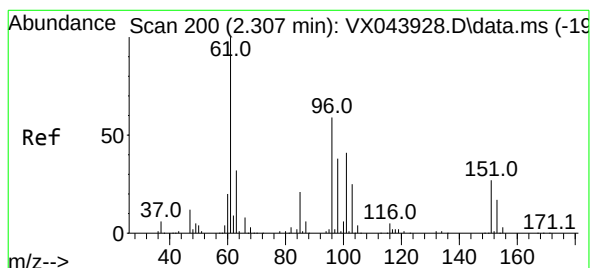
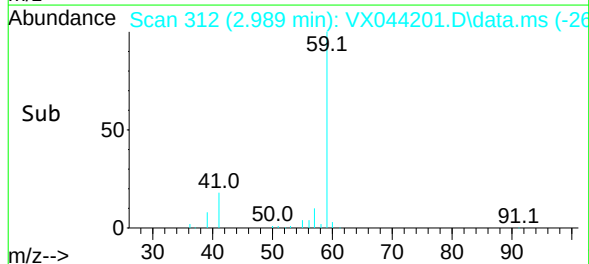
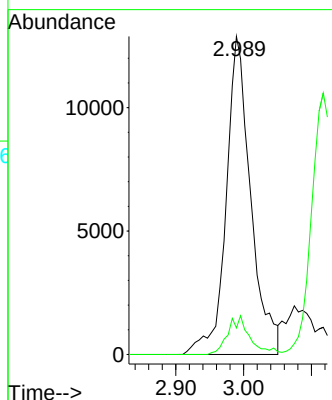
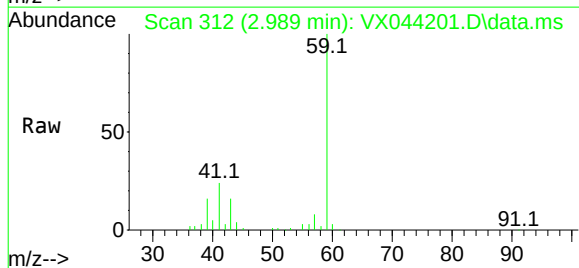
57 10.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#12

1,1-Dichloroethene

Concen: 17.545 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

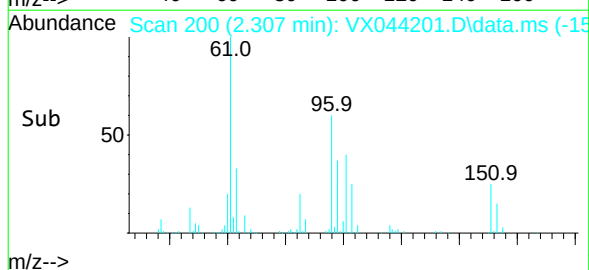
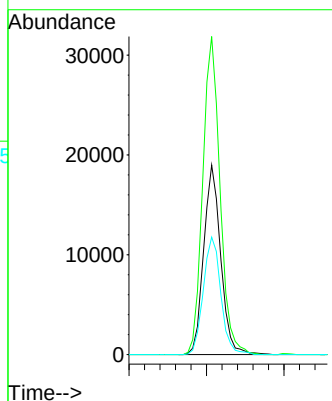
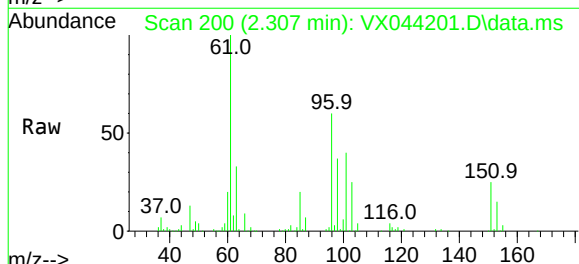
Tgt Ion: 96 Resp: 29004

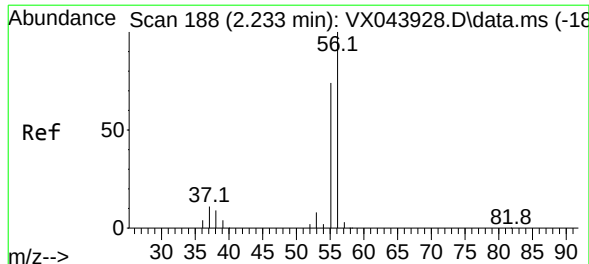
Ion Ratio Lower Upper

96 100

61 167.8 135.5 203.3

98 62.0 50.8 76.2





#13

Acrolein

Concen: 71.832 ug/l

RT: 2.240 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 56 Resp: 29903

Ion Ratio Lower Upper

56 100

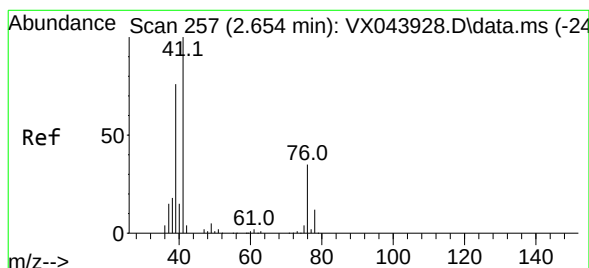
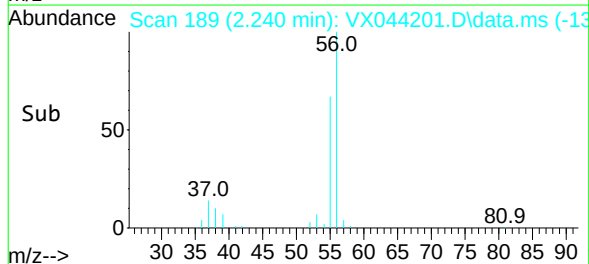
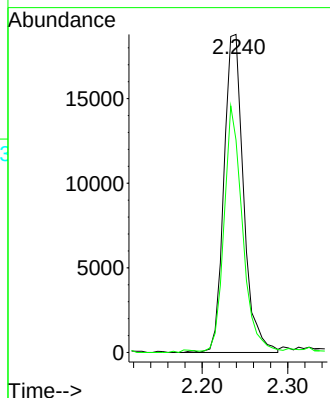
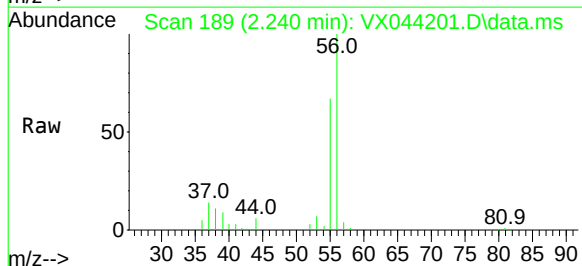
55 71.4 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#14

Allyl chloride

Concen: 17.748 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

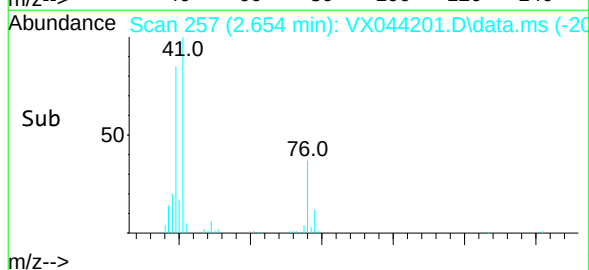
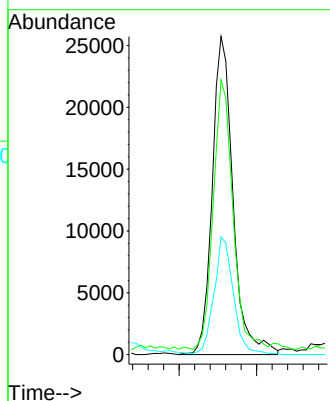
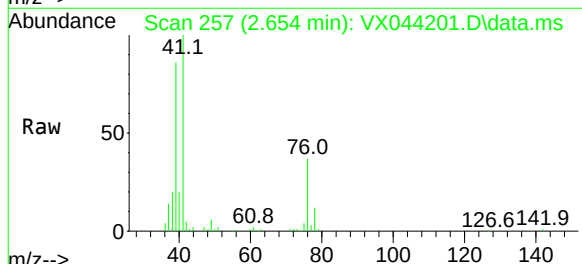
Tgt Ion: 41 Resp: 47939

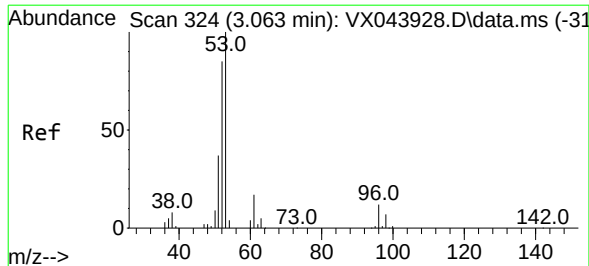
Ion Ratio Lower Upper

41 100

39 78.6 59.5 89.3

76 34.7 27.4 41.2





#15

Acrylonitrile

Concen: 101.298 ug/l

RT: 3.069 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

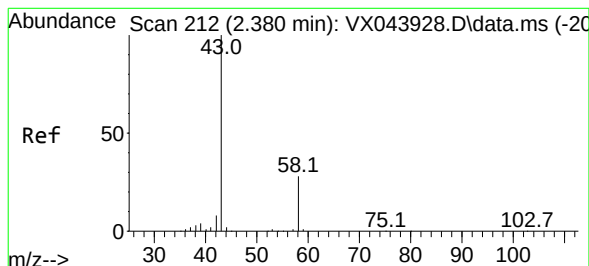
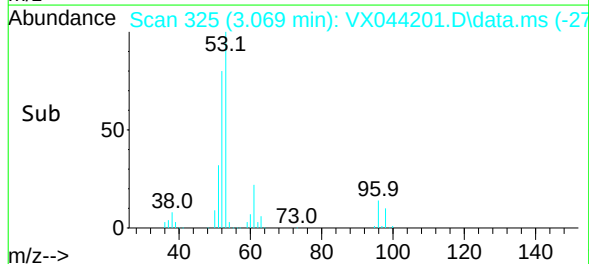
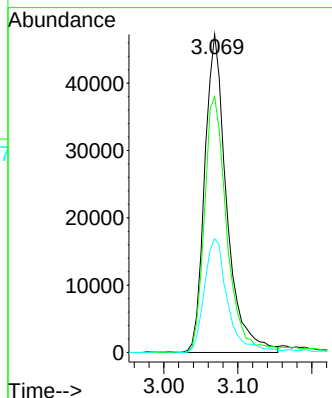
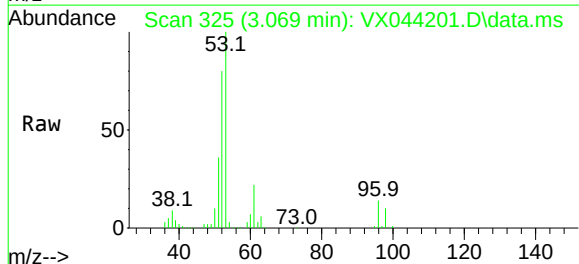
ClientSampleId :

VX1210WBS01

Tgt Ion:	53	Resp:	97496
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.5	99.7
51	37.9	30.2	45.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#16

Acetone

Concen: 91.126 ug/l

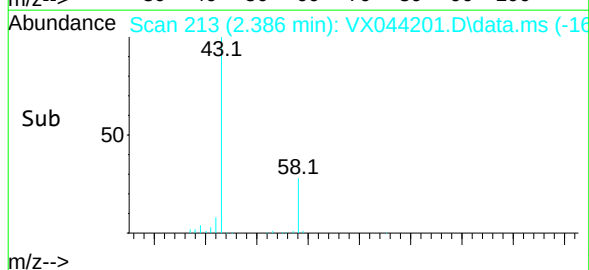
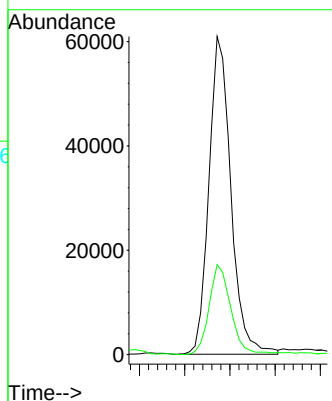
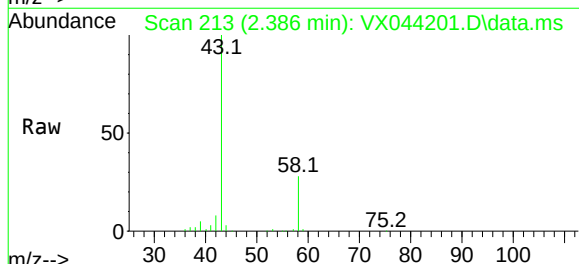
RT: 2.386 min Scan# 213

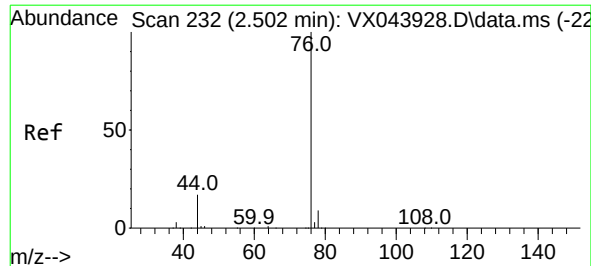
Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	43	Resp:	102985
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.7	34.1





#17

Carbon Disulfide

Concen: 12.880 ug/l

RT: 2.502 min Scan# 23

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 76 Resp: 43919

Ion Ratio Lower Upper

76 100

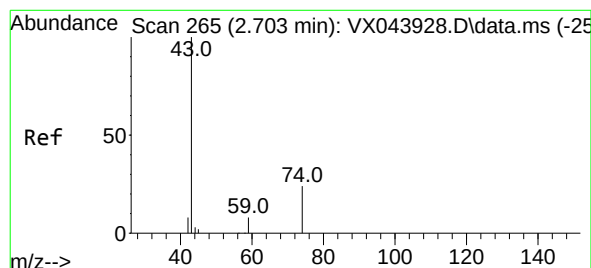
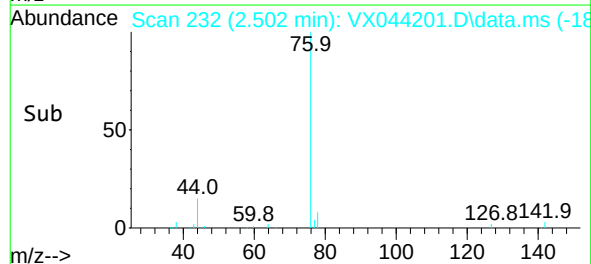
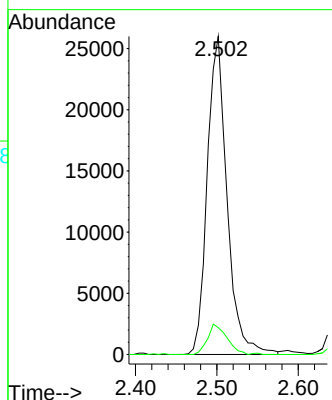
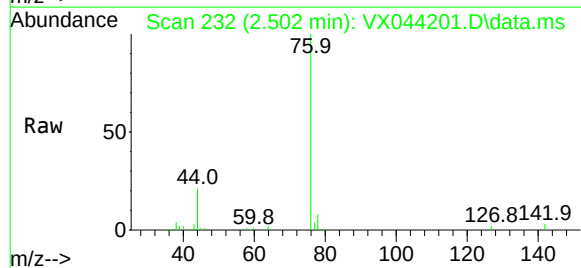
78 8.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#18

Methyl Acetate

Concen: 20.416 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX044201.D

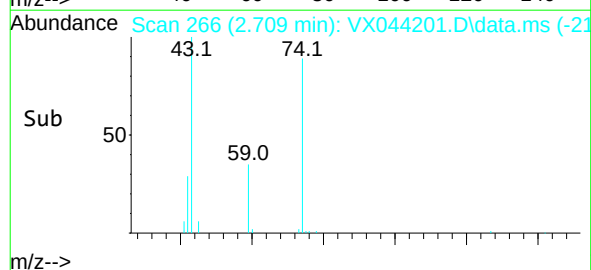
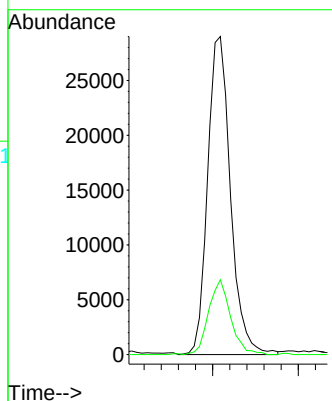
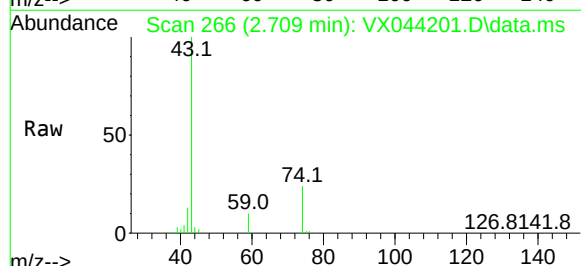
Acq: 10 Dec 2024 12:22

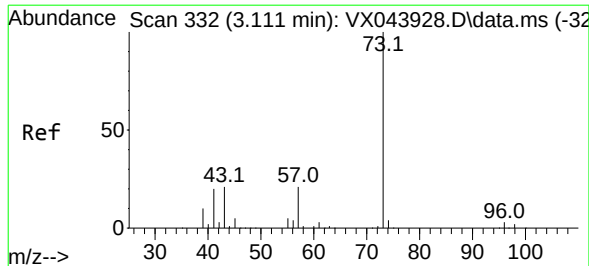
Tgt Ion: 43 Resp: 53732

Ion Ratio Lower Upper

43 100

74 22.7 18.9 28.3





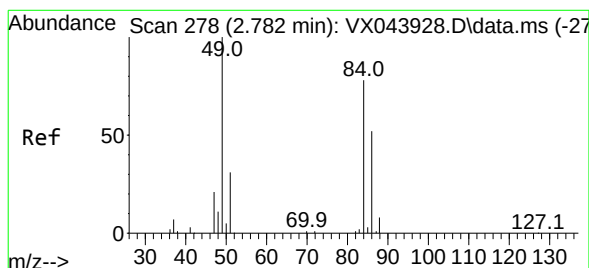
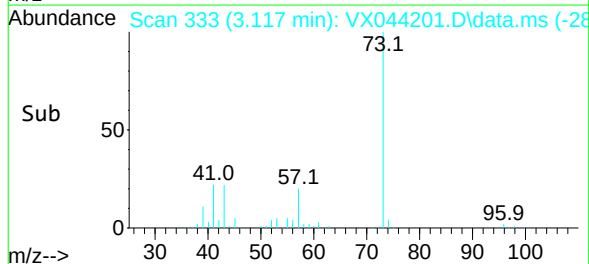
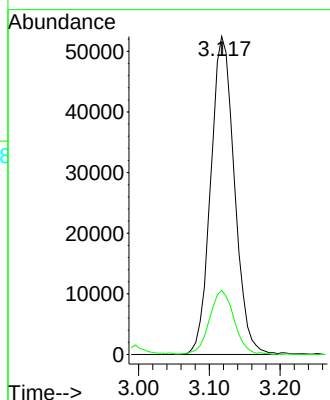
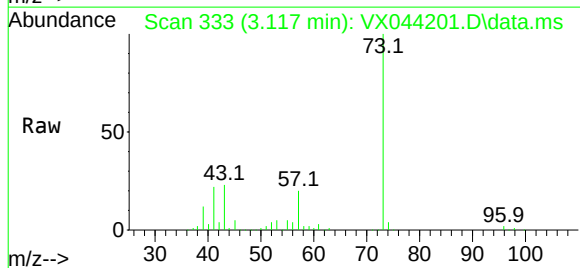
#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 3.117 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Tgt Ion: 73 Resp: 122196
Ion Ratio Lower Upper
73 100
57 20.1 17.0 25.6

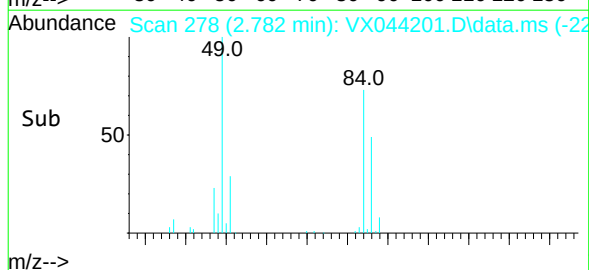
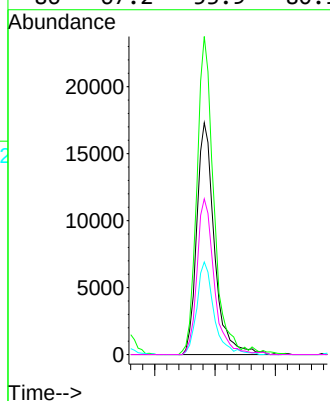
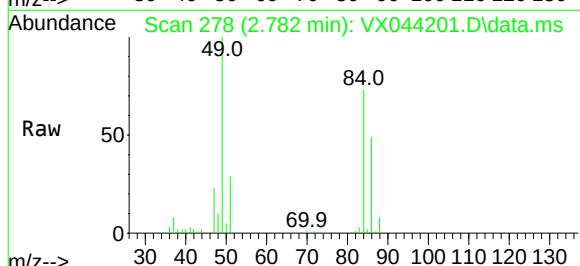
Manual Integrations
APPROVED

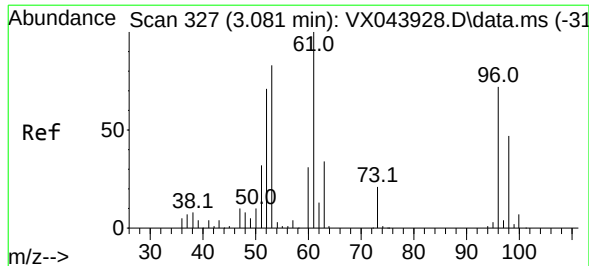
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#20
Methylene Chloride
Concen: 18.357 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 84 Resp: 35205
Ion Ratio Lower Upper
84 100
49 137.2 102.7 154.1
51 40.0 31.7 47.5
86 67.2 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 17.600 ug/l

RT: 3.087 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 96 Resp: 30038

Ion Ratio Lower Upper

96 100

61 140.5 111.8 167.6

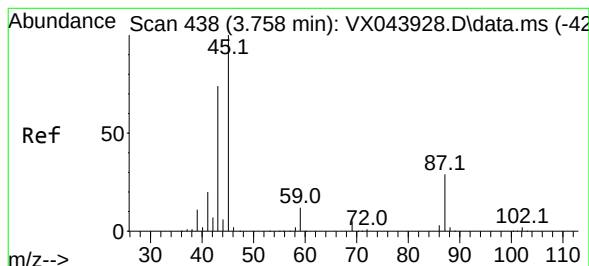
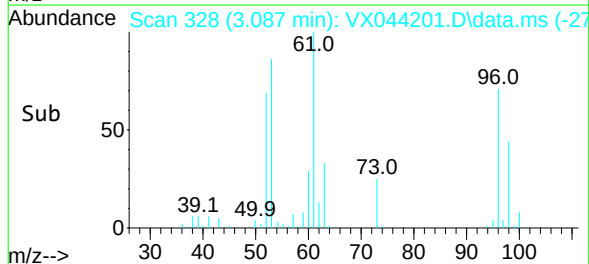
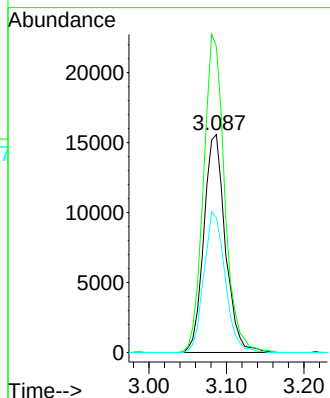
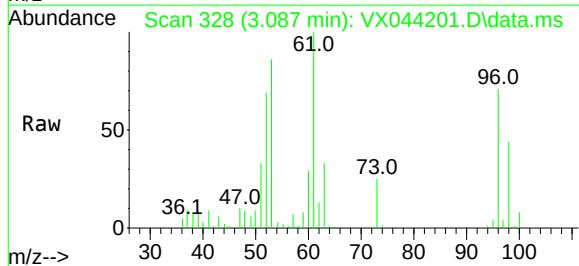
98 61.9 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#22

Diisopropyl ether

Concen: 19.808 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion: 45 Resp: 114408

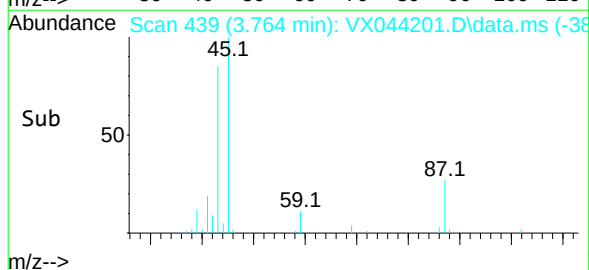
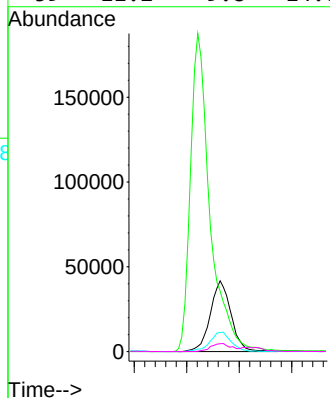
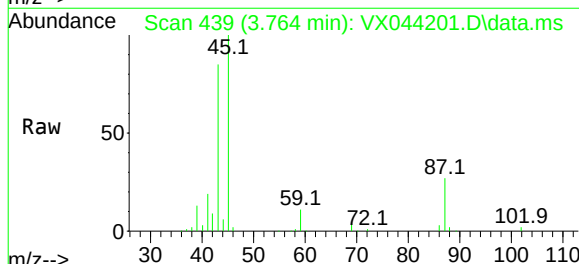
Ion Ratio Lower Upper

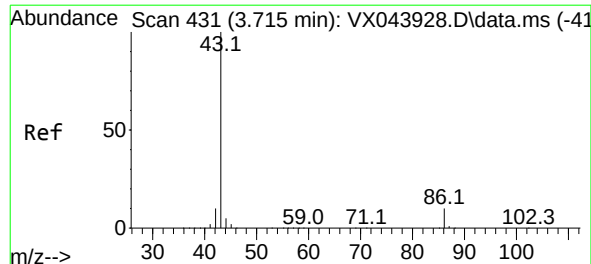
45 100

43 83.5 59.6 89.4

87 26.9 22.9 34.3

59 11.2 9.8 14.6





#23

Vinyl Acetate

Concen: 98.600 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 43 Resp: 487174

Ion Ratio Lower Upper

43 100

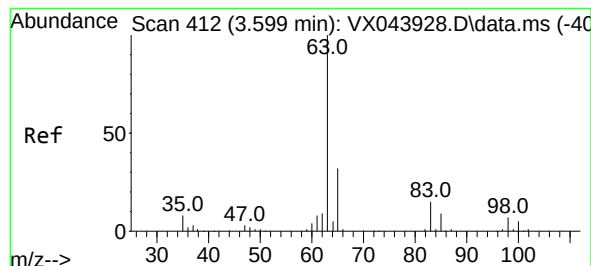
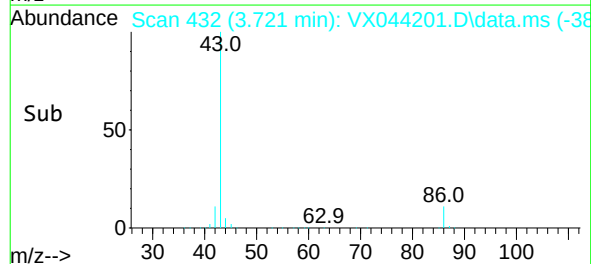
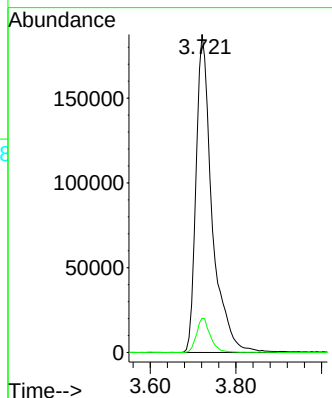
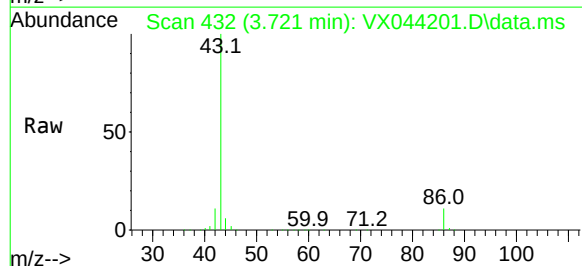
86 10.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#24

1,1-Dichloroethane

Concen: 19.236 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

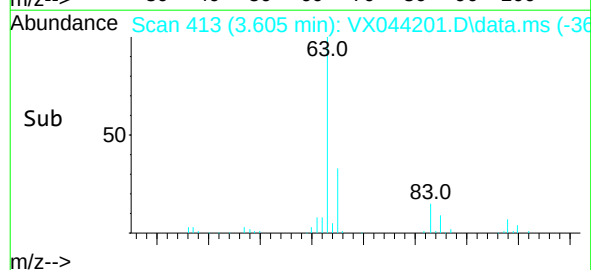
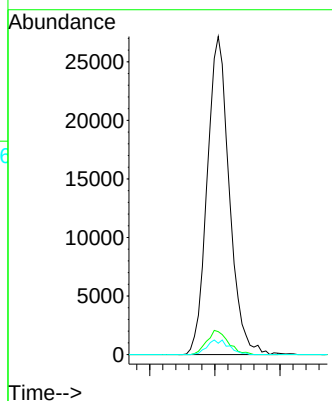
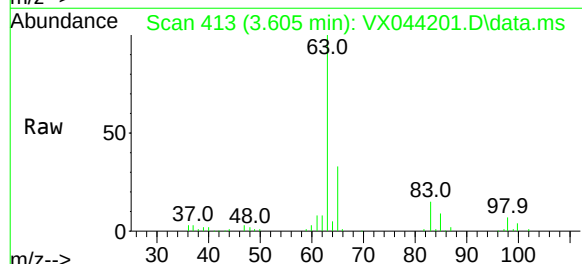
Tgt Ion: 63 Resp: 64095

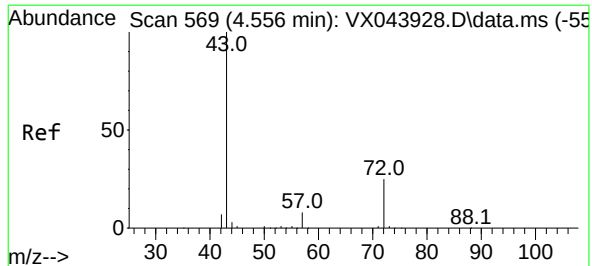
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 3.6 2.4 7.1





#25

2-Butanone

Concen: 102.207 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 149041

Ion Ratio Lower Upper

43 100

72 25.1 20.2 30.2

Instrument :

MSVOA_X

ClientSampleId :

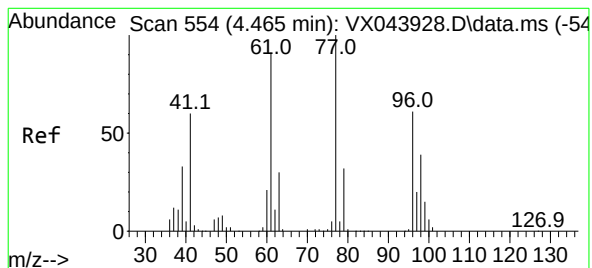
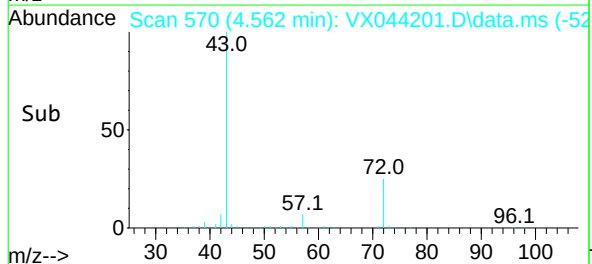
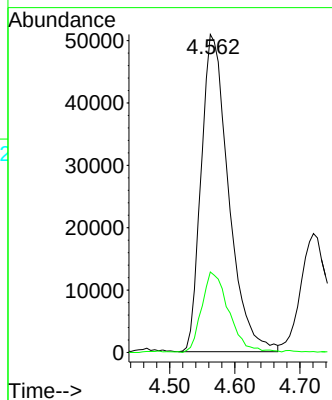
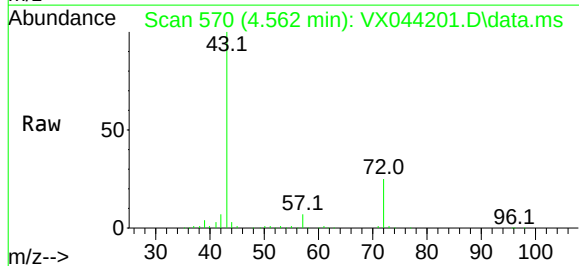
VX1210WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#26

2,2-Dichloropropane

Concen: 18.070 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX044201.D

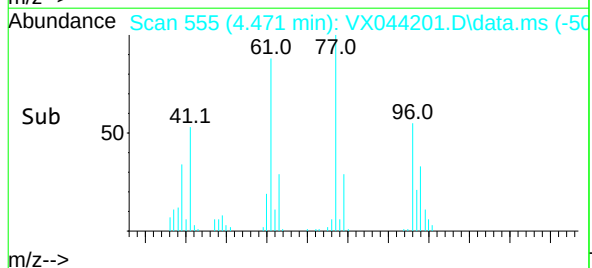
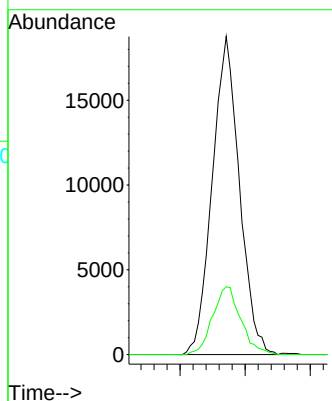
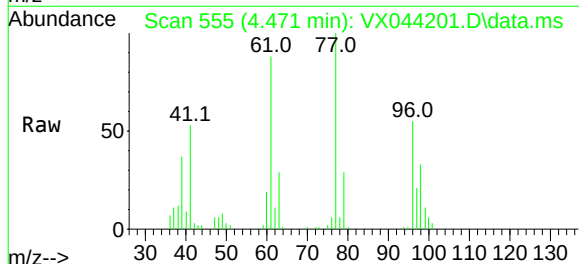
Acq: 10 Dec 2024 12:22

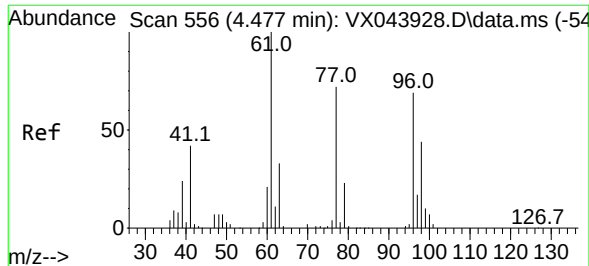
Tgt Ion: 77 Resp: 54378

Ion Ratio Lower Upper

77 100

97 22.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.176 ug/l

RT: 4.489 min Scan# 55

Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

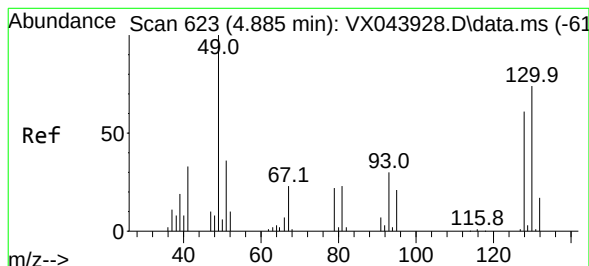
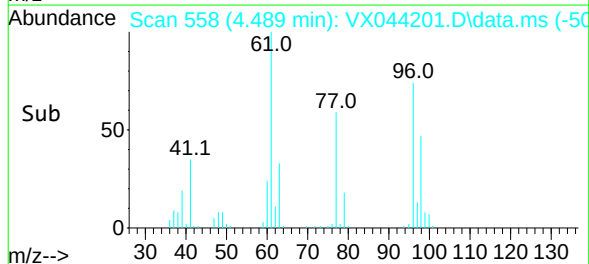
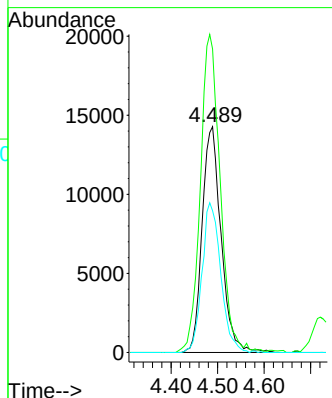
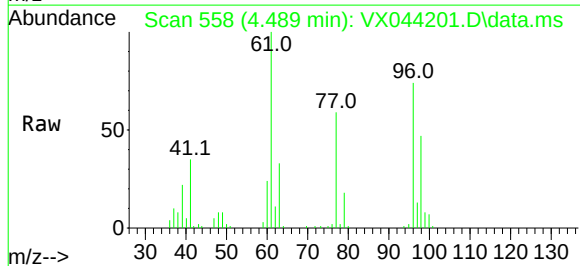
ClientSampleId :

VX1210WBS01

Tgt Ion: 96	Resp: 40454
Ion Ratio	Lower Upper
96 100	
61 147.0	0.0 297.4
98 65.4	0.0 127.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#28

Bromochloromethane

Concen: 21.326 ug/l

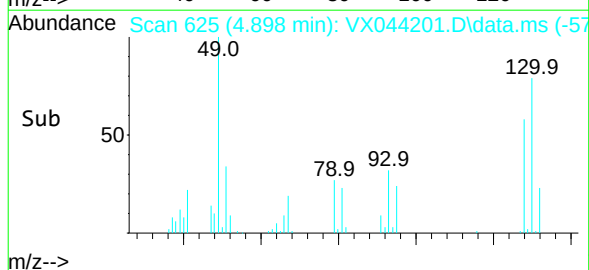
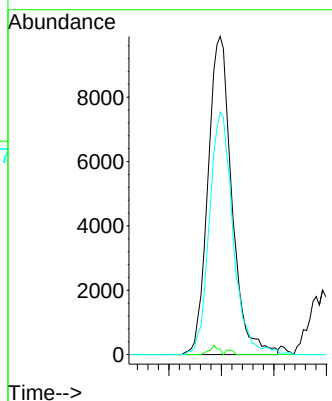
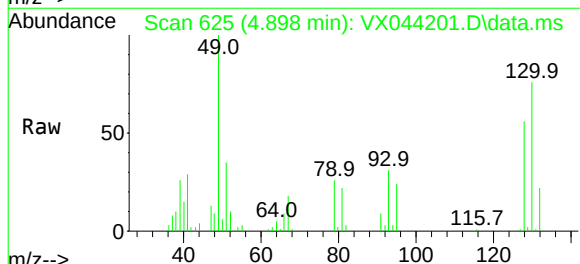
RT: 4.898 min Scan# 625

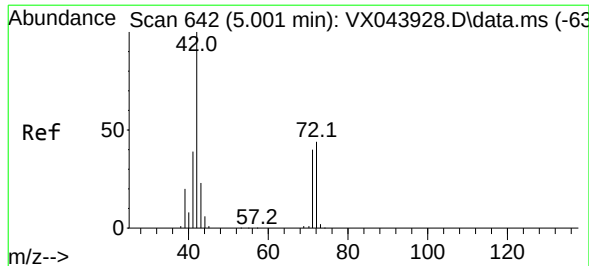
Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion: 49	Resp: 31279
Ion Ratio	Lower Upper
49 100	
129 1.1	0.0 4.0
130 75.6	59.0 88.6





#29

Tetrahydrofuran

Concen: 102.121 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

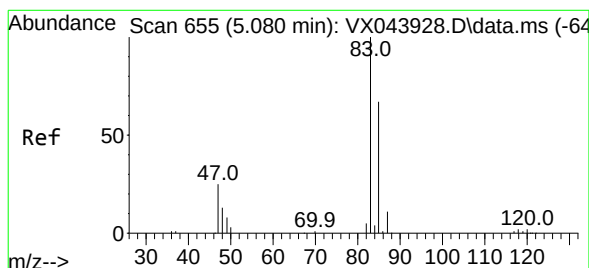
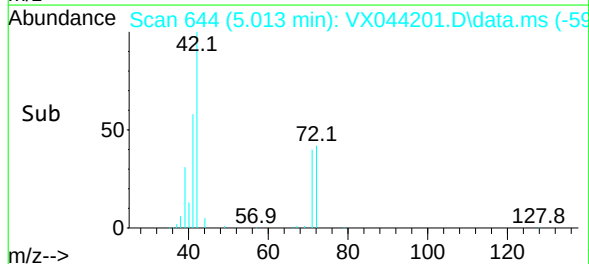
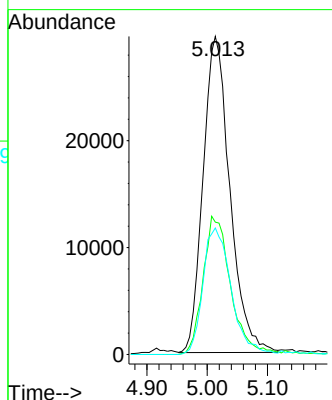
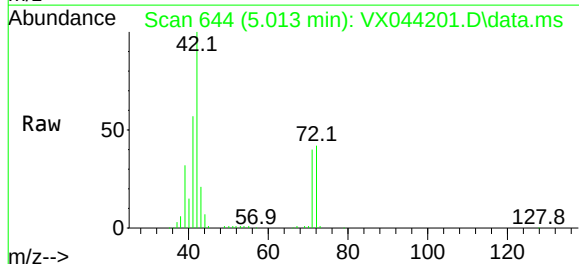
ClientSampleId :

VX1210WBS01

Tgt Ion:	42	Resp:	91295
Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.4	54.6
71	42.0	33.4	50.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#30

Chloroform

Concen: 20.063 ug/l

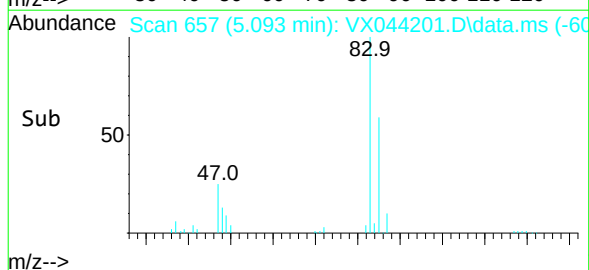
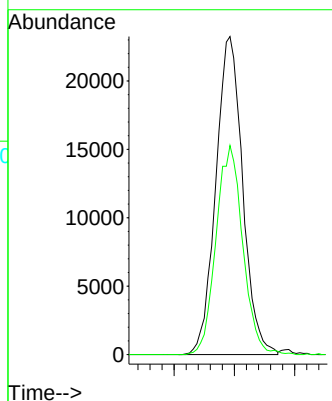
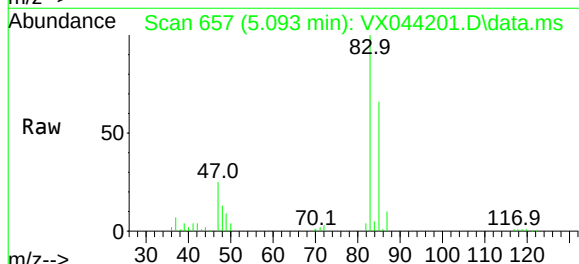
RT: 5.093 min Scan# 657

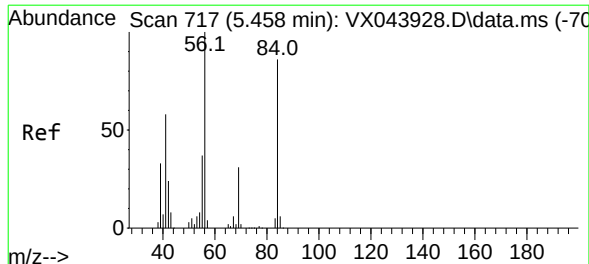
Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	83	Resp:	71902
Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.5	80.3





#31

Cyclohexane

Concen: 17.680 ug/l

RT: 5.465 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 56 Resp: 48485

Ion Ratio Lower Upper

56 100

69 28.9 24.7 37.1

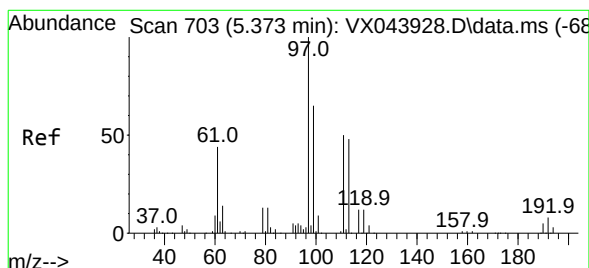
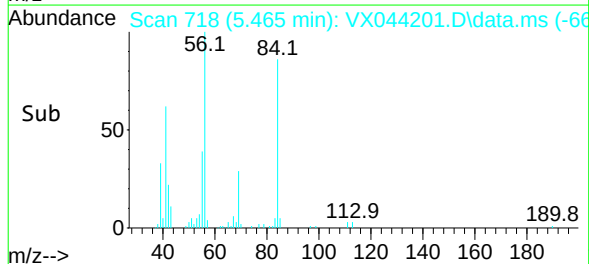
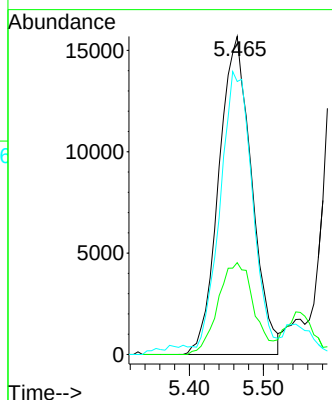
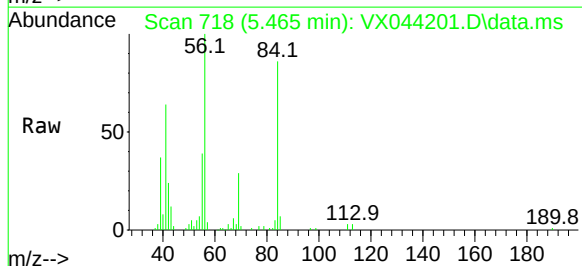
84 83.6 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#32

1,1,1-Trichloroethane

Concen: 20.229 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

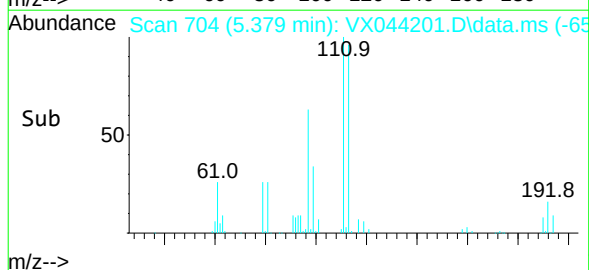
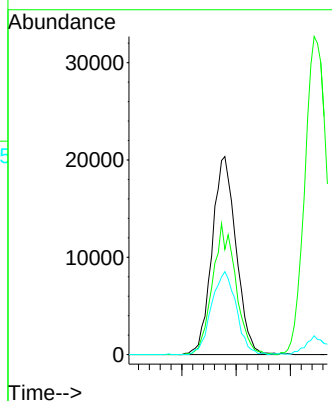
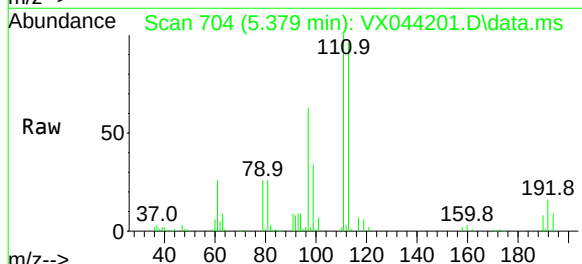
Tgt Ion: 97 Resp: 62516

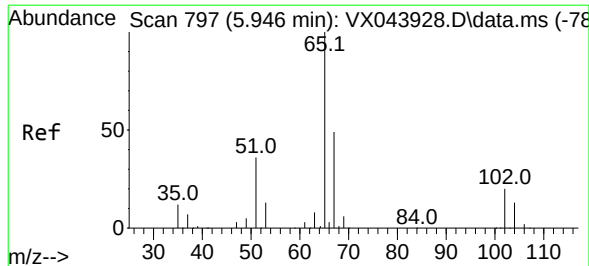
Ion Ratio Lower Upper

97 100

99 64.0 50.8 76.2

61 43.3 35.4 53.2





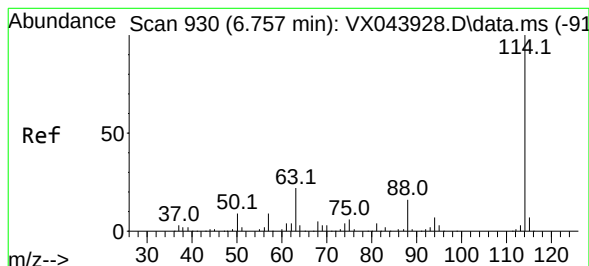
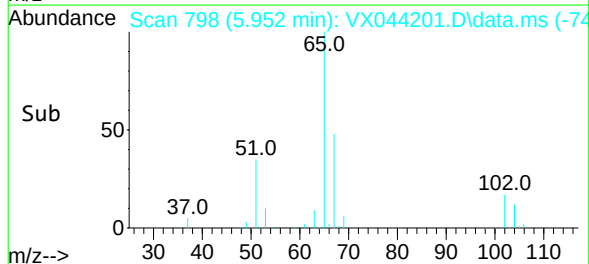
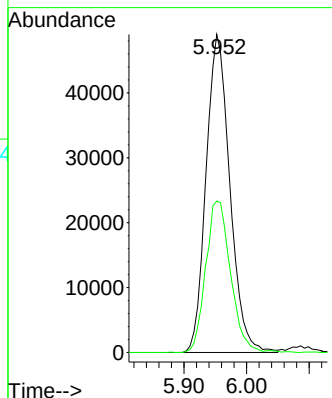
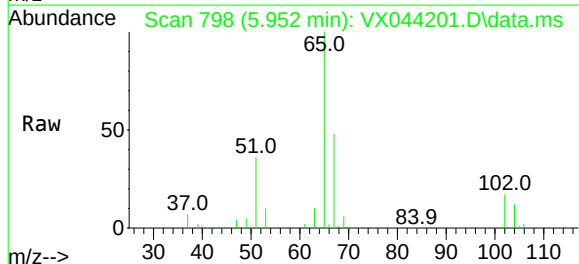
#33
1,2-Dichloroethane-d4
Concen: 52.573 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Tgt Ion: 65 Resp: 129362
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8

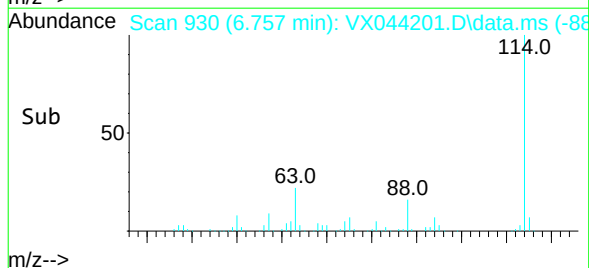
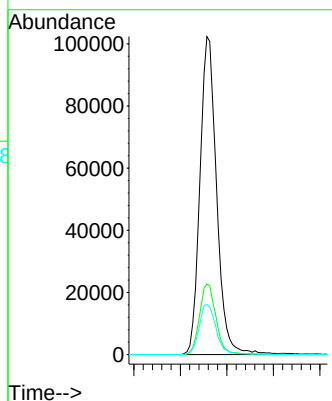
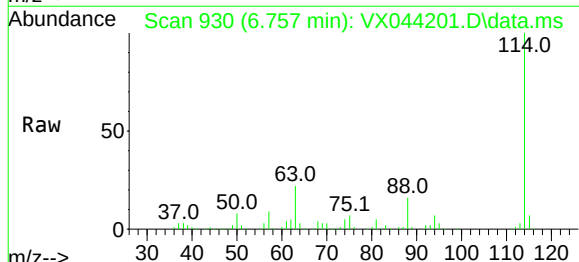
Manual Integrations
APPROVED

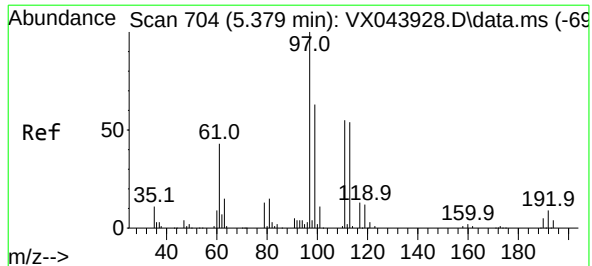
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

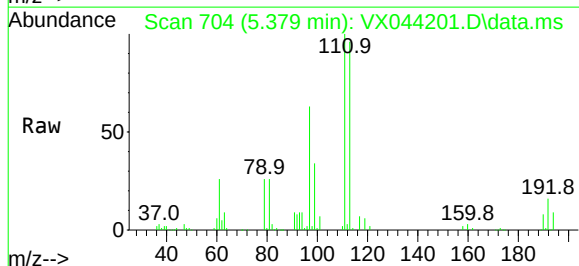
Tgt Ion:114 Resp: 255477
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.0
88 15.8 0.0 32.4





#35
Dibromofluoromethane
Concen: 50.900 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

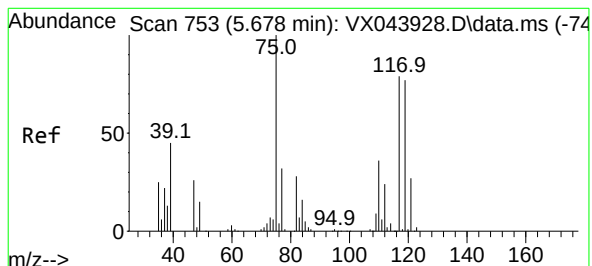
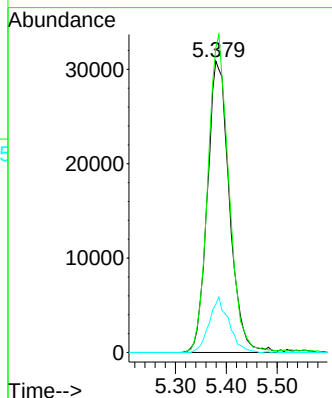
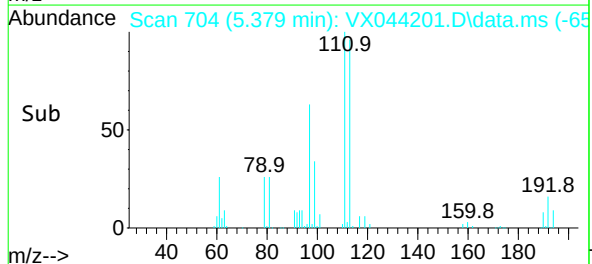
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01



Tgt Ion: 113 Resp: 92918
Ion Ratio Lower Upper
113 100
111 104.4 81.0 121.4
192 17.1 13.0 19.6

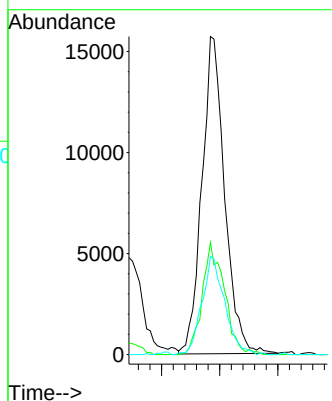
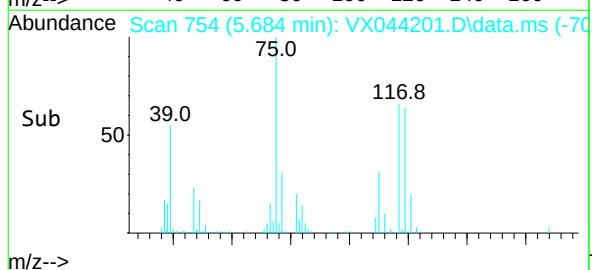
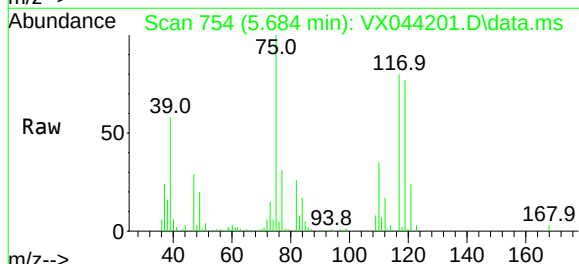
Manual Integrations
APPROVED

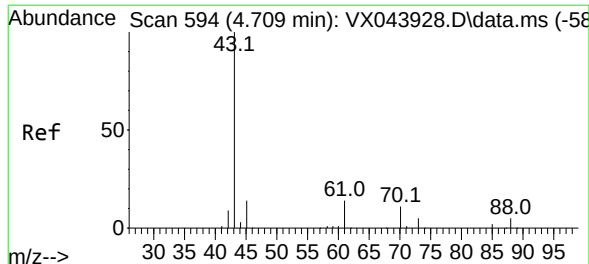
Reviewed By : John Carlone 12/11/2024
Supervised By : Mahesh Dadoda 12/11/2024



#36
1,1-Dichloropropene
Concen: 18.774 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 42707
Ion Ratio Lower Upper
75 100
110 34.4 17.4 52.2
77 31.0 25.8 38.8





#37

Ethyl Acetate

Concen: 19.911 ug/l

RT: 4.721 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

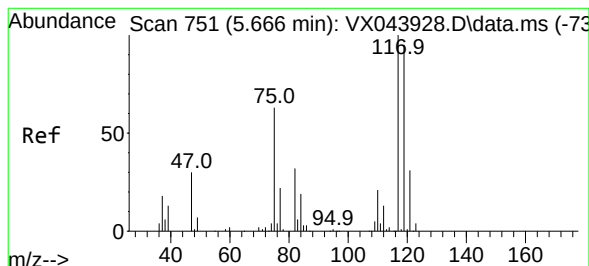
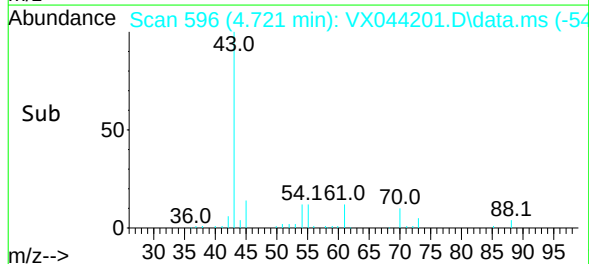
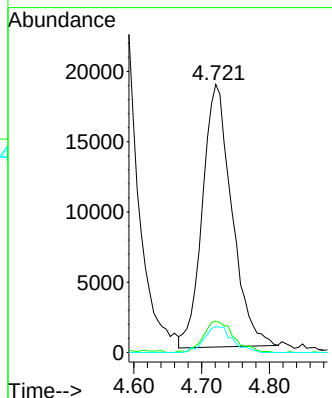
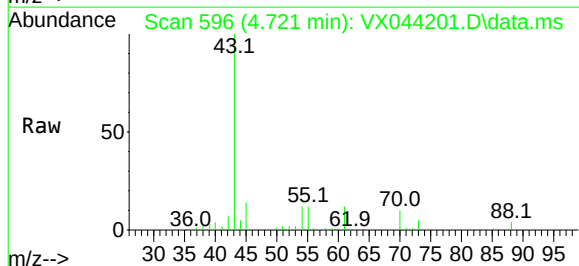
VX1210WBS01

Tgt Ion:	43	Resp:	56223
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	9.4	8.0	12.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#38

Carbon Tetrachloride

Concen: 18.283 ug/l

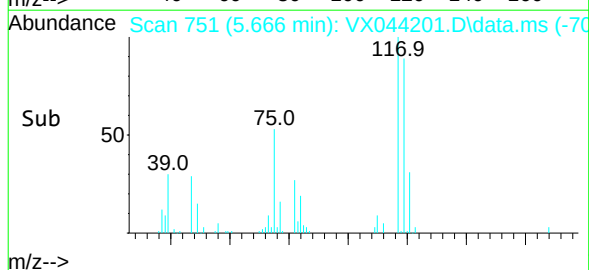
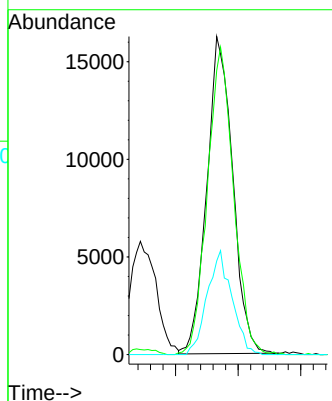
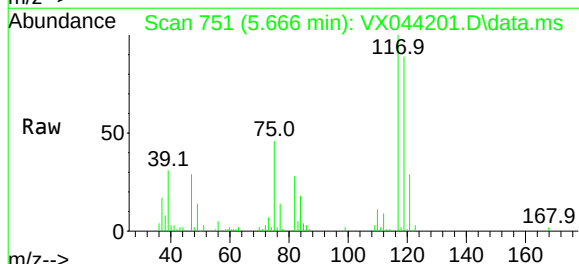
RT: 5.666 min Scan# 751

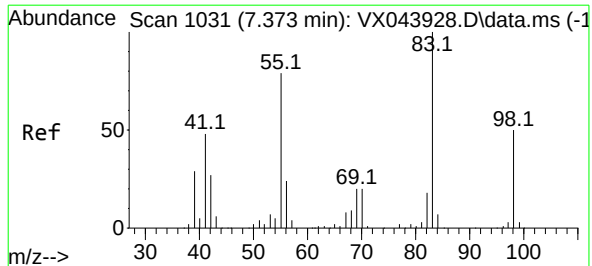
Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	117	Resp:	46733
Ion	Ratio	Lower	Upper
117	100		
119	89.7	75.2	112.8
121	29.5	24.5	36.7





#39

Methylcyclohexane

Concen: 16.811 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 83 Resp: 49682

Ion Ratio Lower Upper

83 100

55 73.2 63.1 94.7

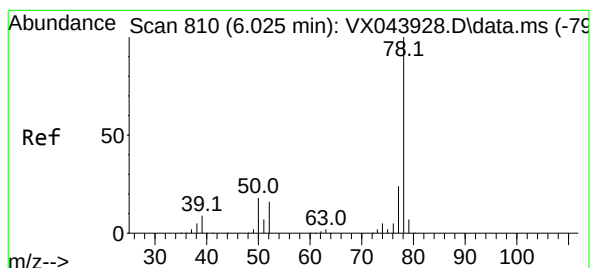
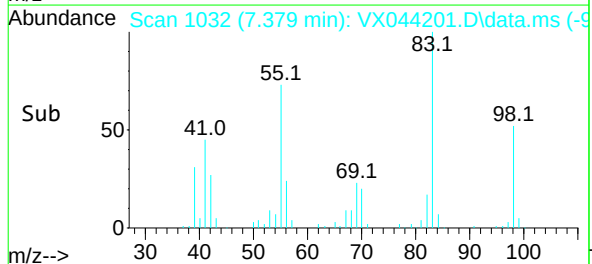
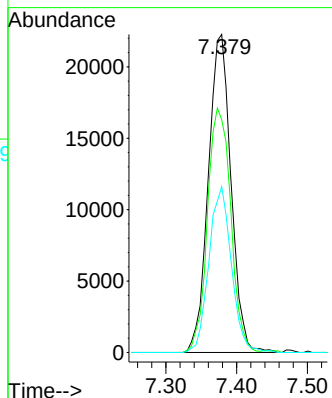
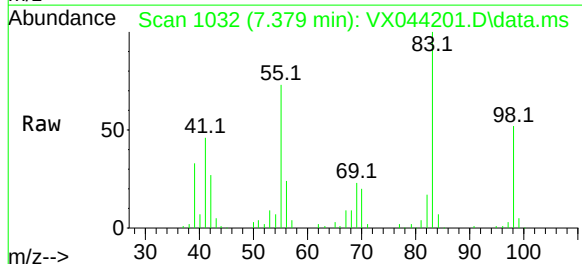
98 52.1 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#40

Benzene

Concen: 19.024 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044201.D

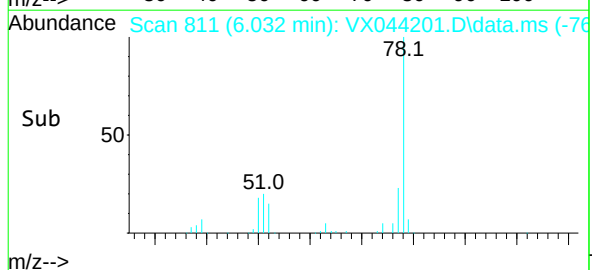
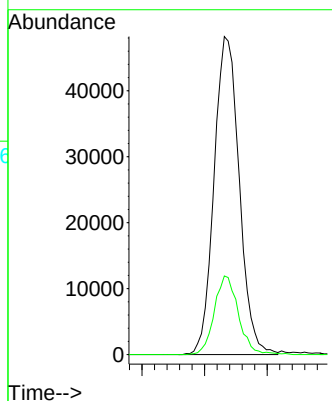
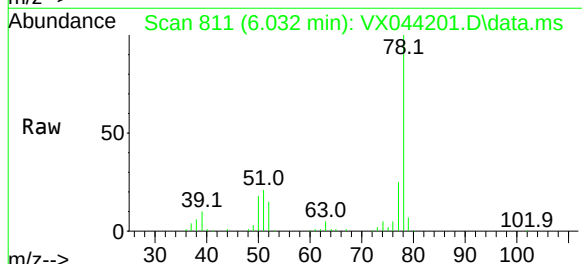
Acq: 10 Dec 2024 12:22

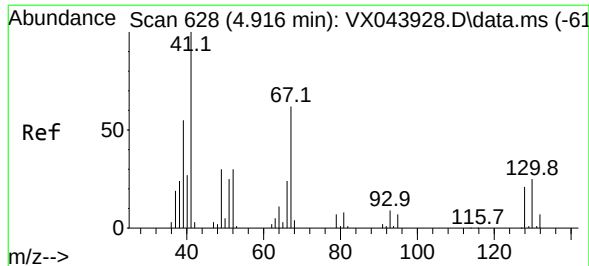
Tgt Ion: 78 Resp: 134799

Ion Ratio Lower Upper

78 100

77 24.7 19.2 28.8





#41

Methacrylonitrile

Concen: 21.331 ug/l

RT: 4.928 min Scan# 63

Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 41 Resp: 30829

Ion Ratio Lower Upper

41 100

39 58.6 41.7 62.5

67 66.2 55.8 83.8

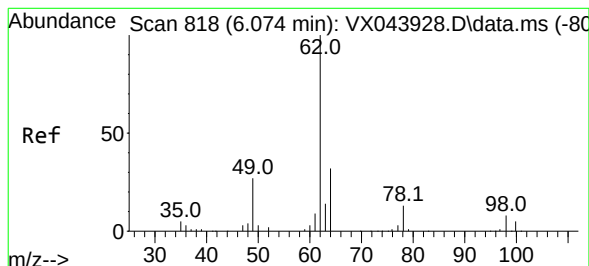
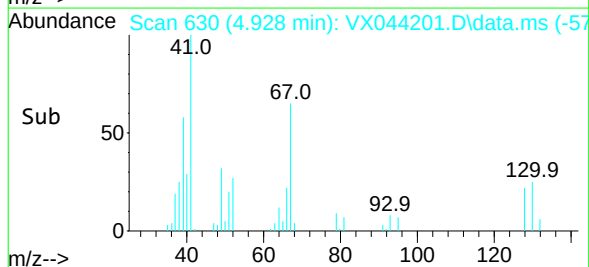
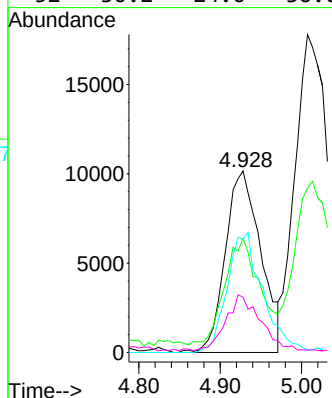
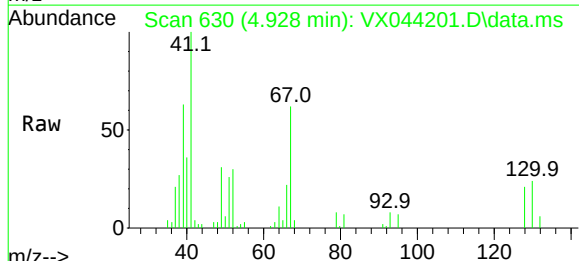
52 30.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#42

1,2-Dichloroethane

Concen: 20.207 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.012 min

Lab File: VX044201.D

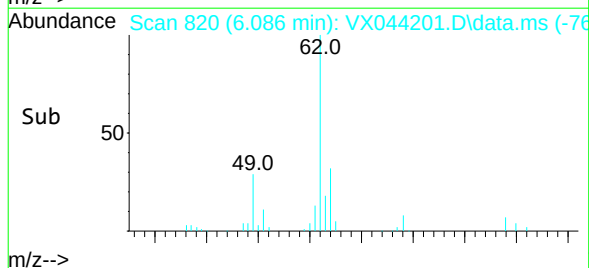
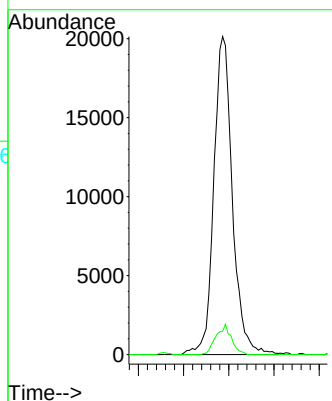
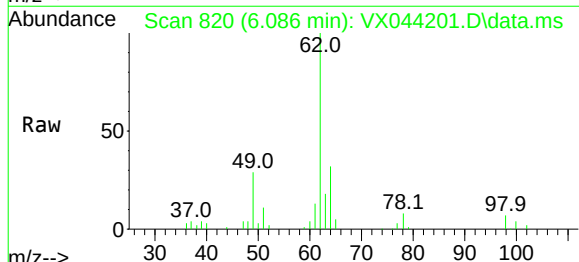
Acq: 10 Dec 2024 12:22

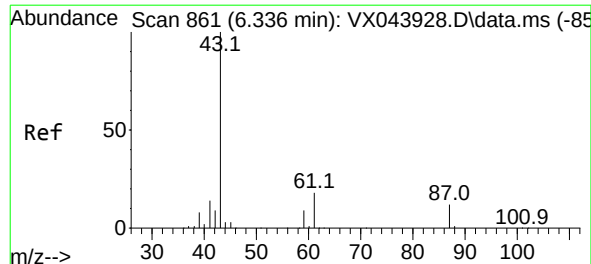
Tgt Ion: 62 Resp: 57506

Ion Ratio Lower Upper

62 100

98 7.9 0.0 16.4





#43

Isopropyl Acetate

Concen: 20.496 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

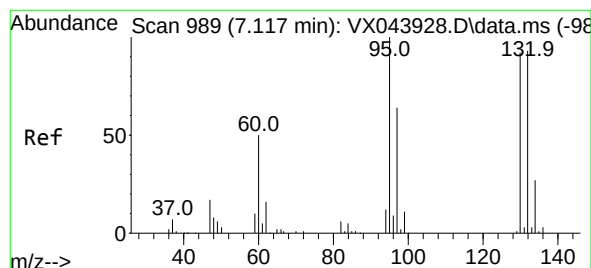
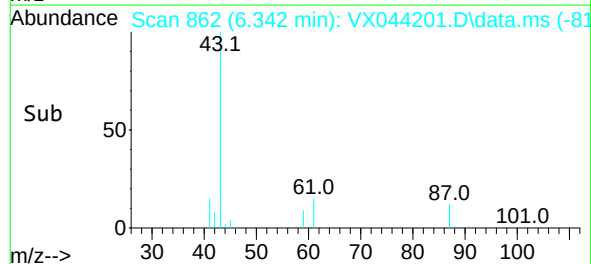
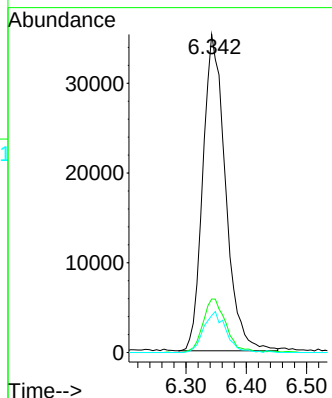
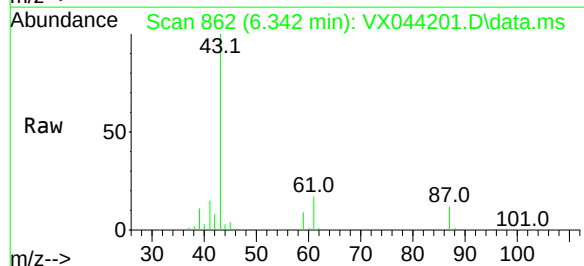
ClientSampleId :

VX1210WBS01

Tgt Ion:	43	Resp:	92107
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.5	21.7
87	12.7	10.2	15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#44

Trichloroethene

Concen: 16.377 ug/l

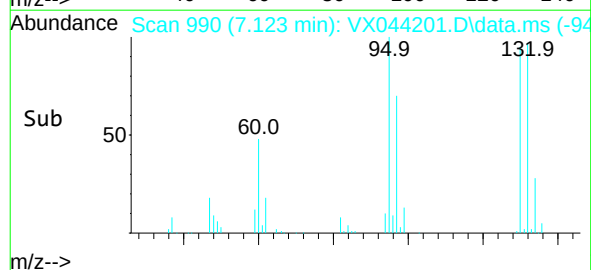
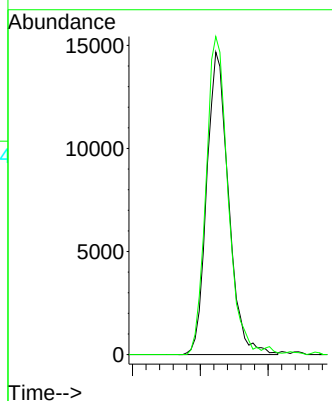
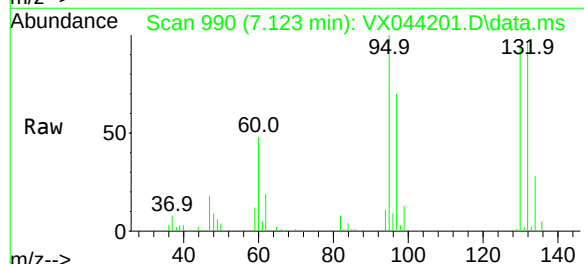
RT: 7.123 min Scan# 990

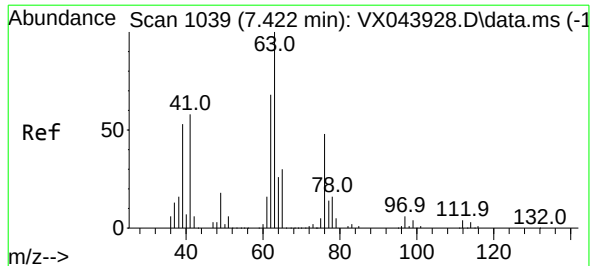
Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	130	Resp:	32850
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	217.8





#45

1,2-Dichloropropane

Concen: 19.687 ug/l

RT: 7.434 min Scan# 10

Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 63 Resp: 34167

Ion Ratio Lower Upper

63 100

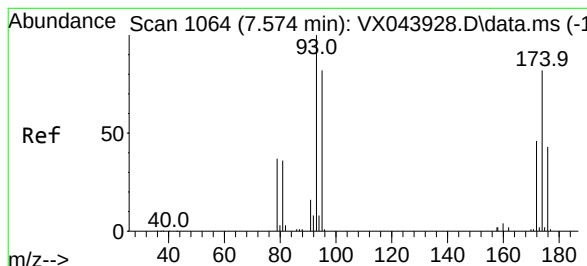
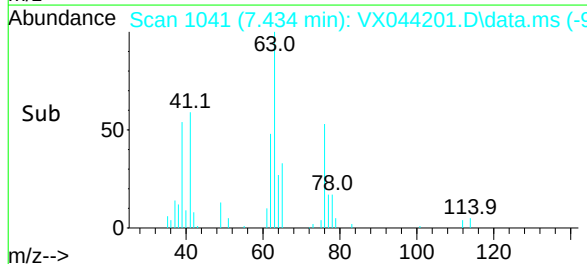
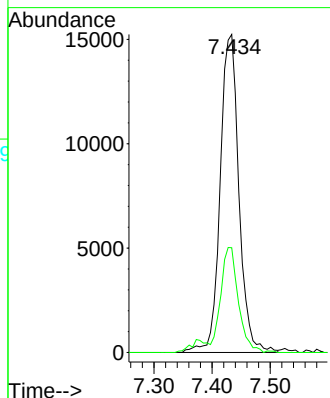
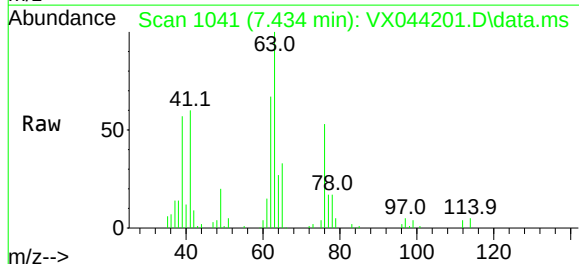
65 32.9 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#46

Dibromomethane

Concen: 20.310 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

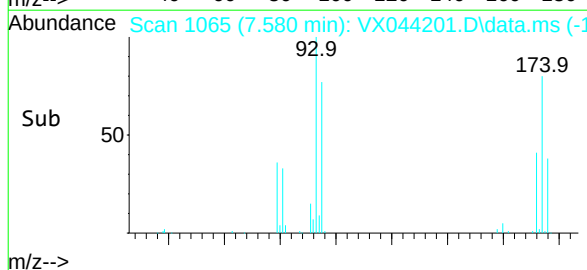
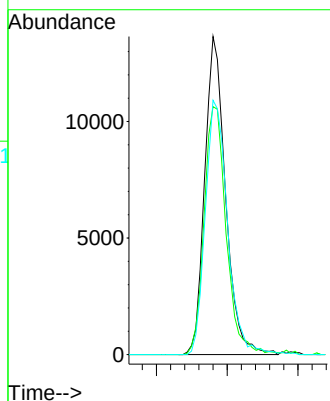
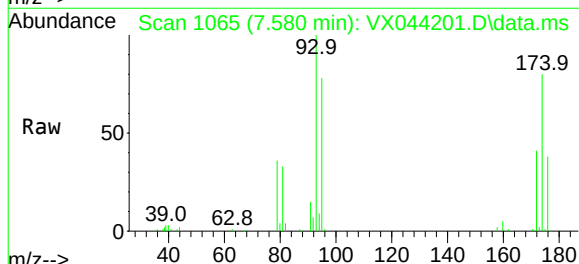
Tgt Ion: 93 Resp: 27883

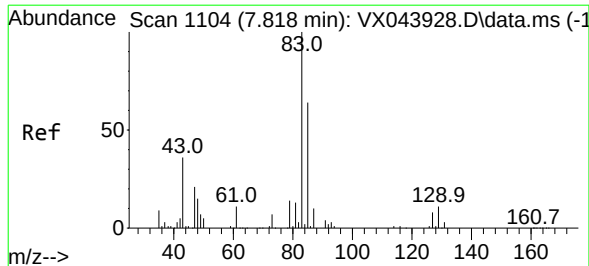
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 85.7 69.6 104.4





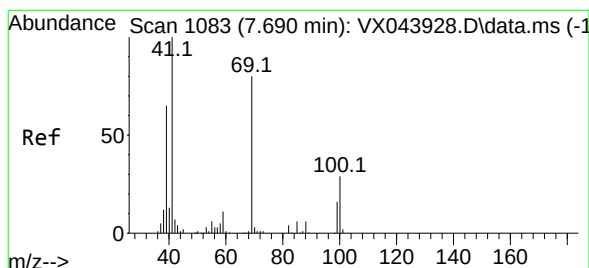
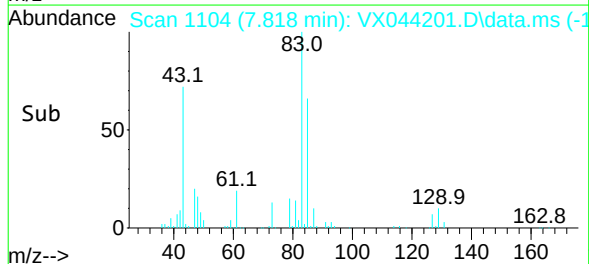
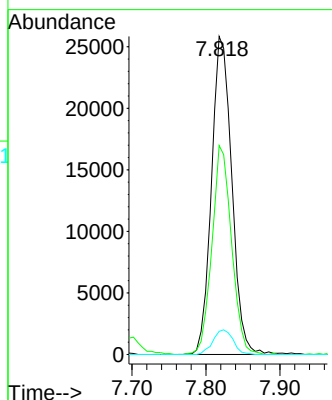
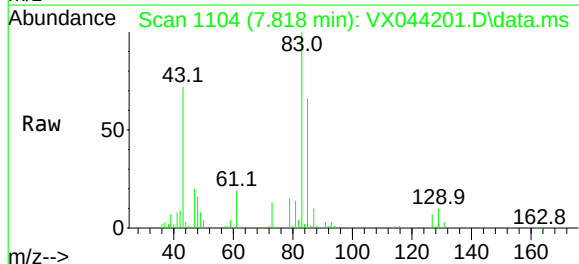
#47
Bromodichloromethane
Concen: 19.988 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Tgt Ion	83	Resp	49215
Ion Ratio	100		
83	100		
85	65.7	51.4	77.0
127	7.3	6.6	10.0

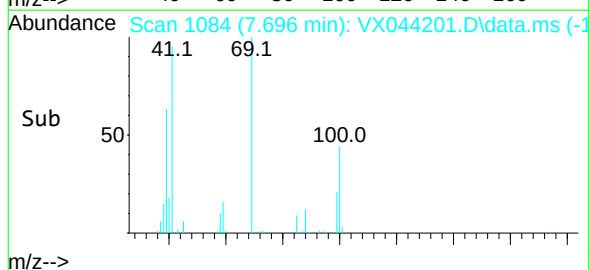
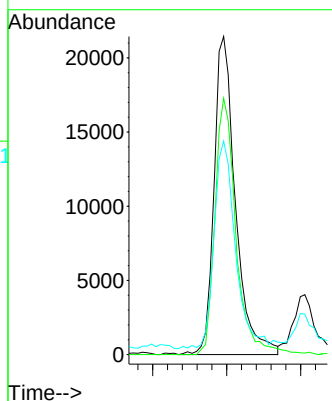
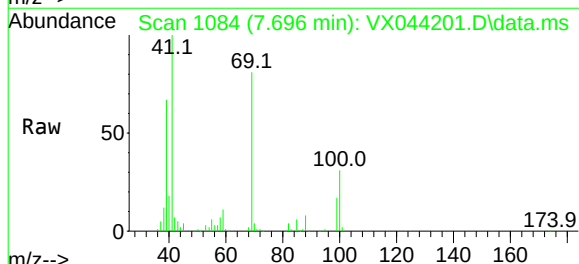
Manual Integrations
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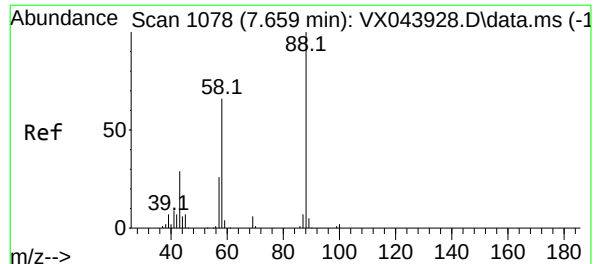
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#48
Methyl methacrylate
Concen: 19.951 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion	41	Resp	43021
Ion Ratio	100		
41	100		
69	79.4	64.6	97.0
39	66.2	53.3	79.9





#49

1,4-Dioxane

Concen: 256.541 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

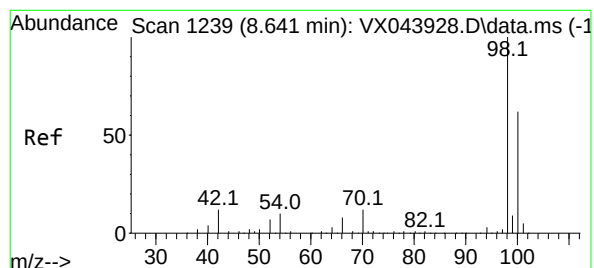
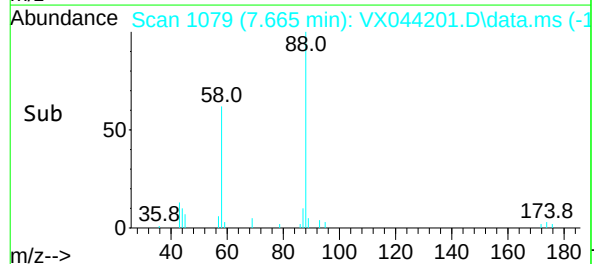
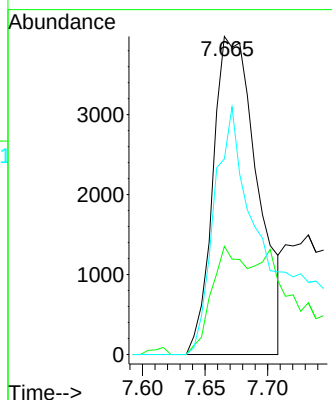
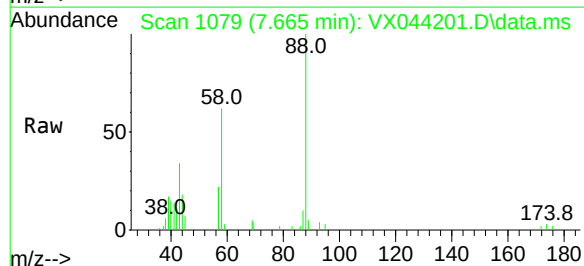
VX1210WBS01

Tgt Ion:	88	Resp:	9854
Ion	Ratio	Lower	Upper
88	100		
43	25.5	26.8	40.2
58	123.7	45.4	68.2

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Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#50

Toluene-d8

Concen: 49.578 ug/l

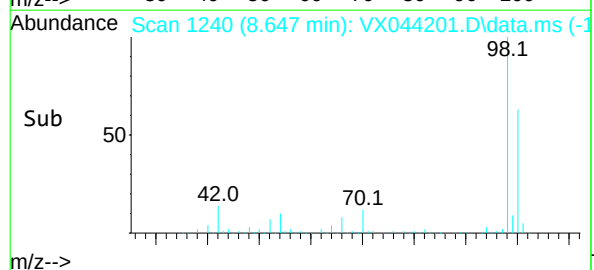
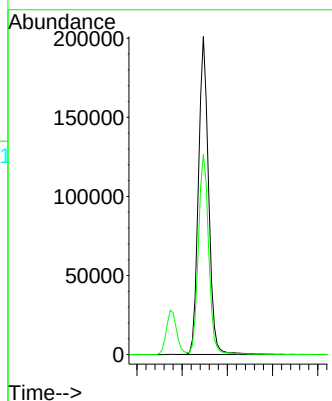
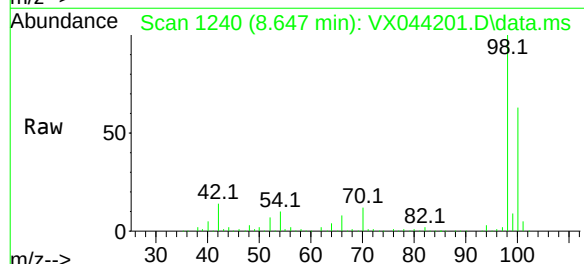
RT: 8.647 min Scan# 1240

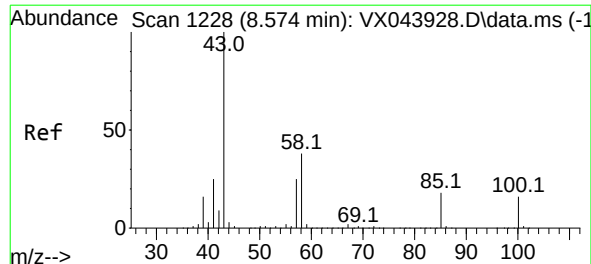
Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	98	Resp:	311978
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 110.009 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 301689

Ion Ratio Lower Upper

43 100

58 36.3 30.0 45.0

Instrument :

MSVOA_X

ClientSampleId :

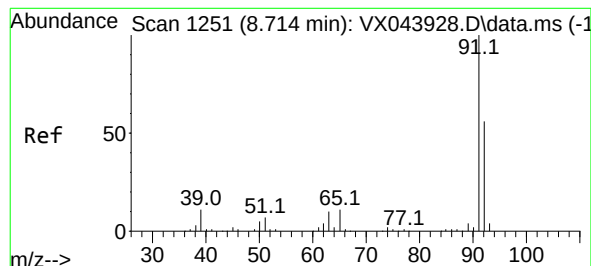
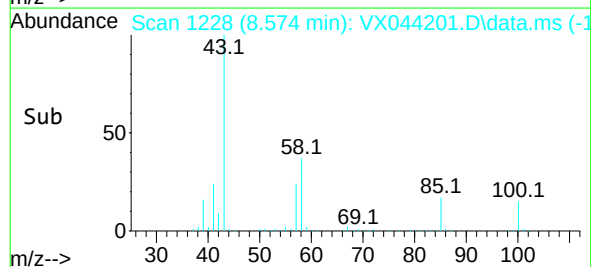
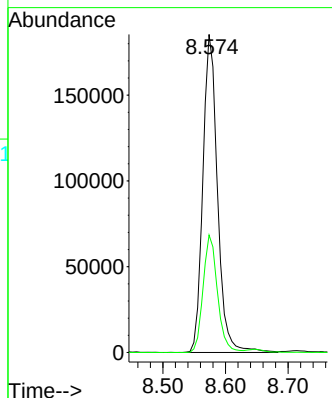
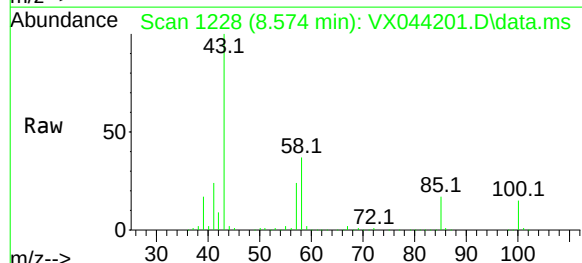
VX1210WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#52

Toluene

Concen: 19.858 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX044201.D

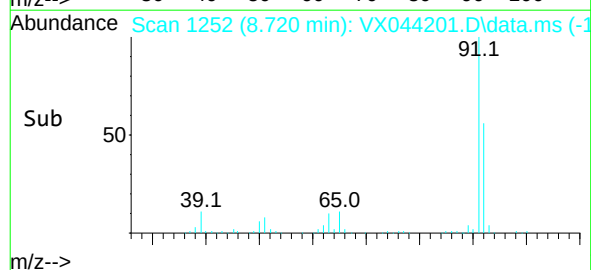
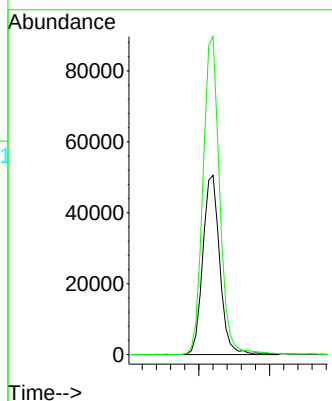
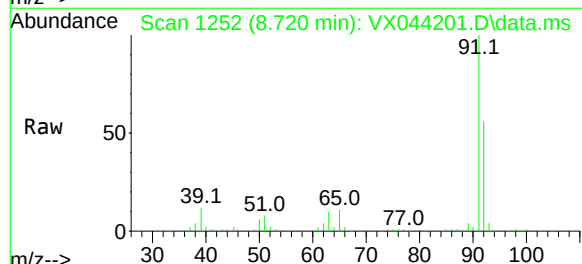
Acq: 10 Dec 2024 12:22

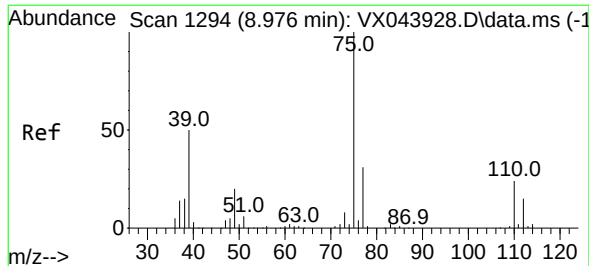
Tgt Ion: 92 Resp: 84219

Ion Ratio Lower Upper

92 100

91 175.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.833 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 47285

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

Instrument :

MSVOA_X

ClientSampleId :

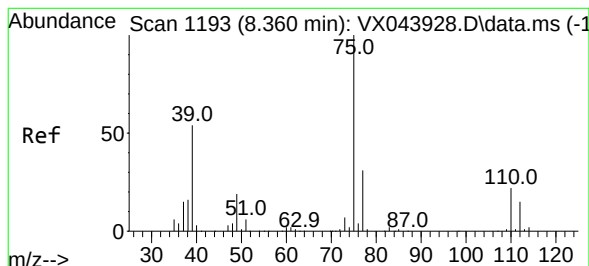
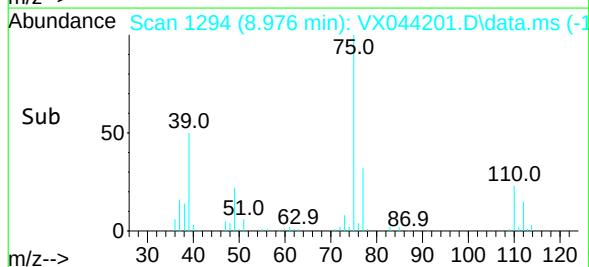
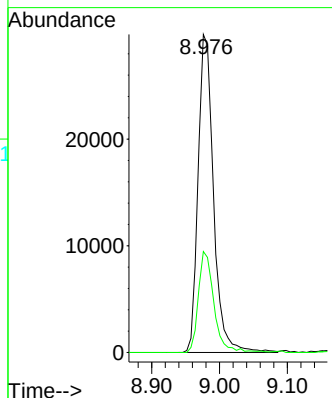
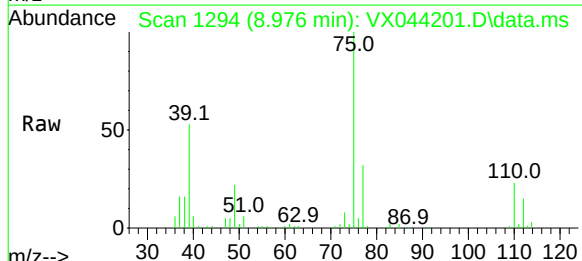
VX1210WBS01

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Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#54

cis-1,3-Dichloropropene

Concen: 18.834 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

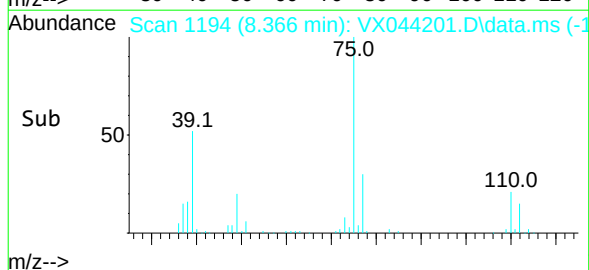
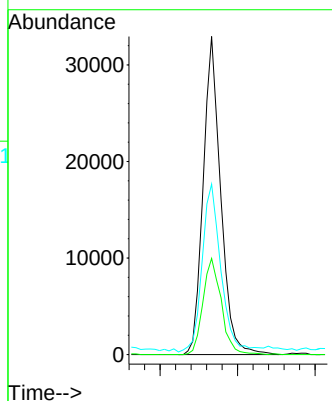
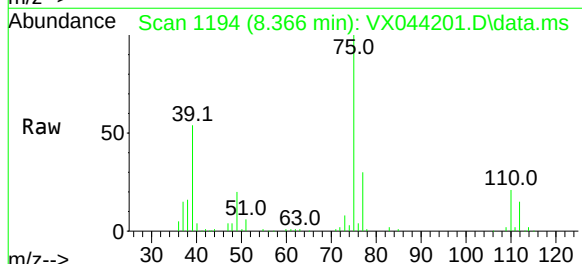
Tgt Ion: 75 Resp: 51841

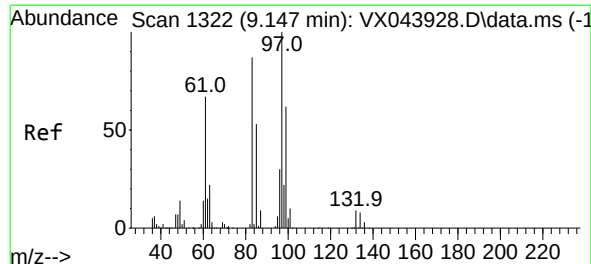
Ion Ratio Lower Upper

75 100

77 30.2 25.2 37.8

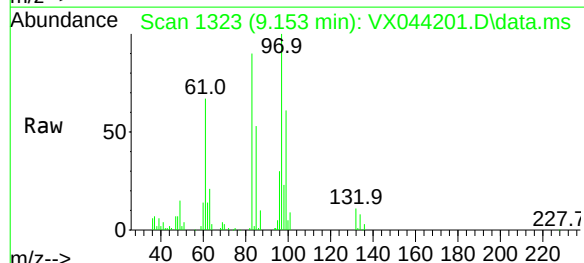
39 52.8 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 20.164 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

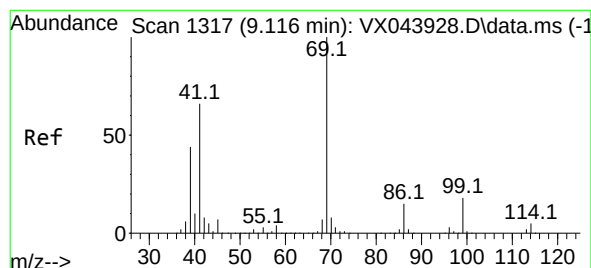
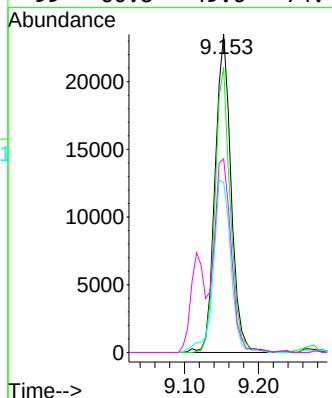
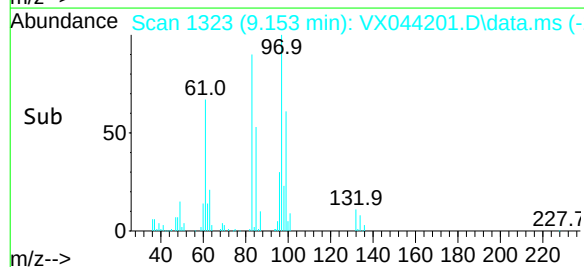
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01



Tgt Ion:	97	Resp:	35301
Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.4	104.0
85	53.5	42.3	63.5
99	60.8	49.6	74.4

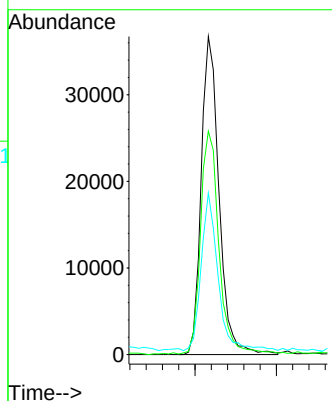
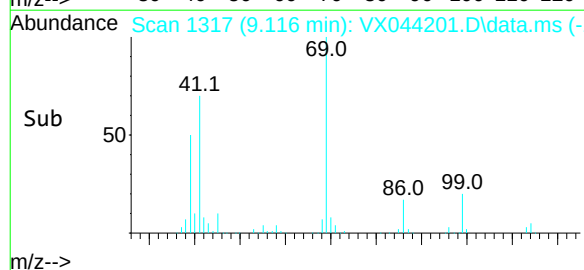
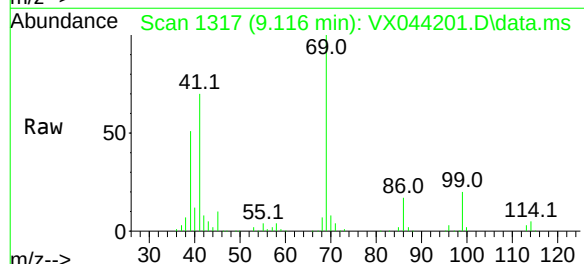
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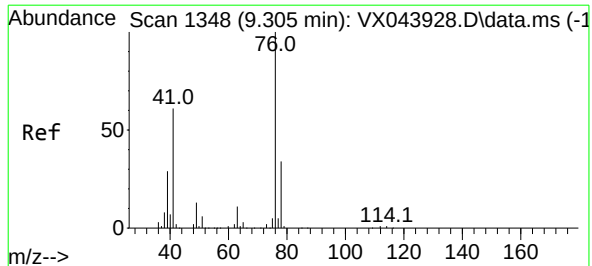
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#56
Ethyl methacrylate
Concen: 20.483 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:	69	Resp:	55856
Ion	Ratio	Lower	Upper
69	100		
41	73.7	55.8	83.8
39	46.7	36.7	55.1





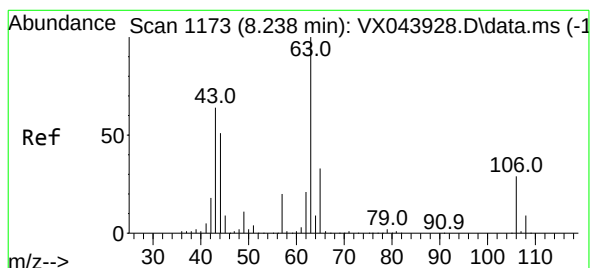
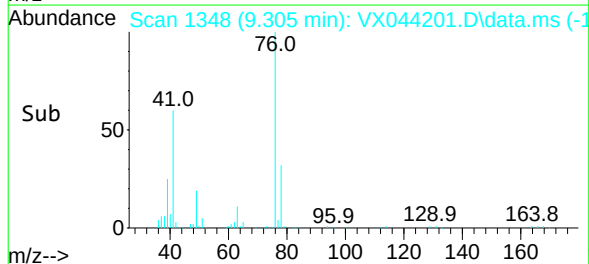
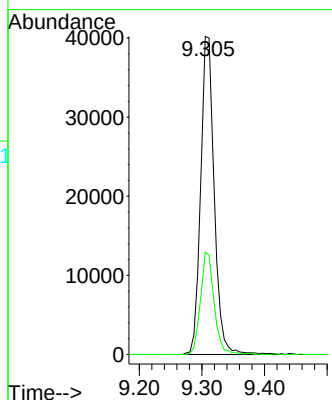
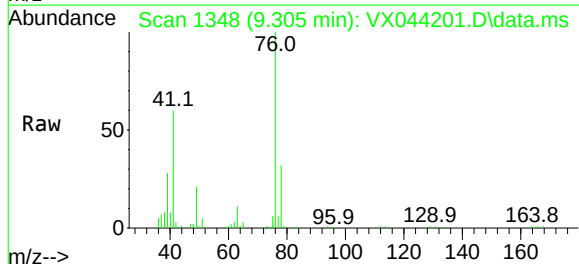
#57
1,3-Dichloropropane
Concen: 20.545 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Tgt Ion: 76 Resp: 60589
Ion Ratio Lower Upper
76 100
78 32.5 26.0 39.0

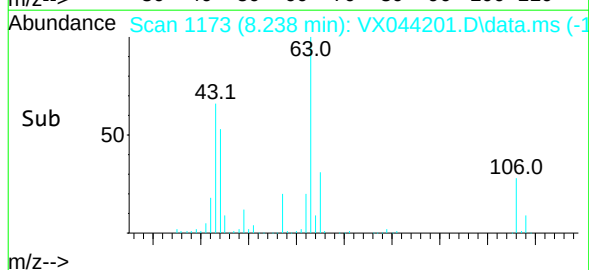
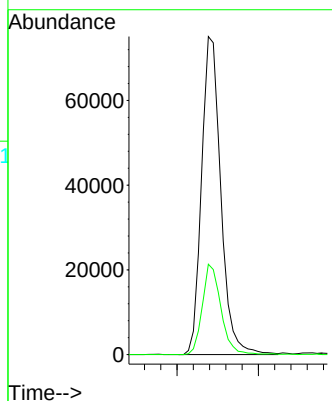
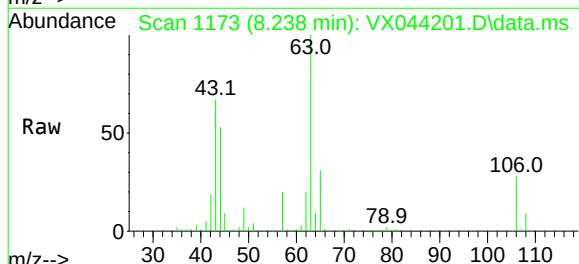
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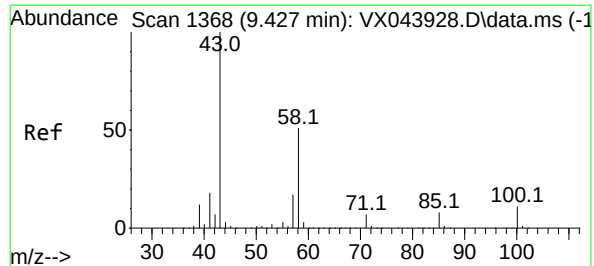
Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#58
2-Chloroethyl Vinyl ether
Concen: 82.064 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 63 Resp: 123591
Ion Ratio Lower Upper
63 100
106 27.3 23.0 34.6





#59

2-Hexanone

Concen: 107.484 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 221552

Ion Ratio Lower Upper

43 100

58 51.4 25.9 77.6

Instrument :

MSVOA_X

ClientSampleId :

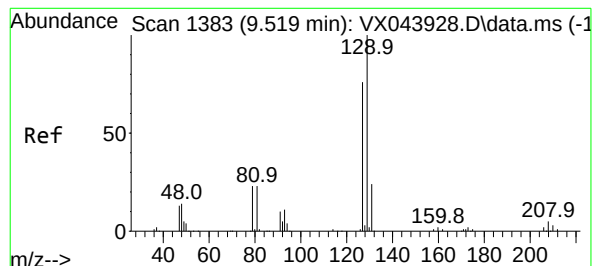
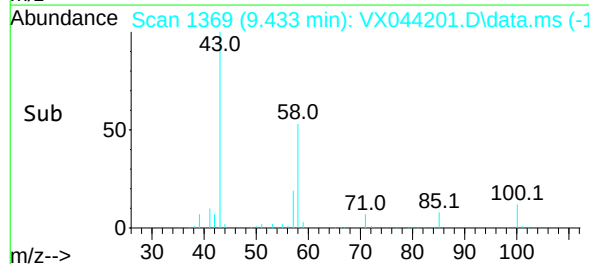
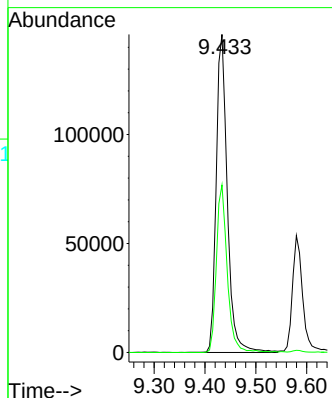
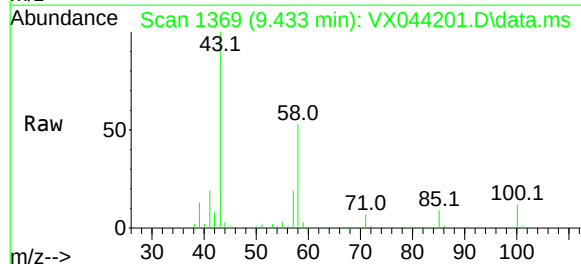
VX1210WBS01

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Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#60

Dibromochloromethane

Concen: 18.791 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044201.D

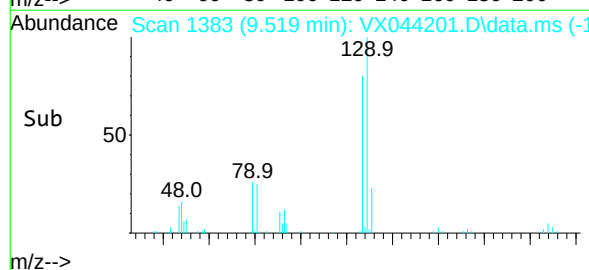
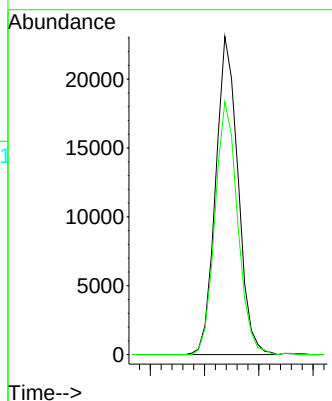
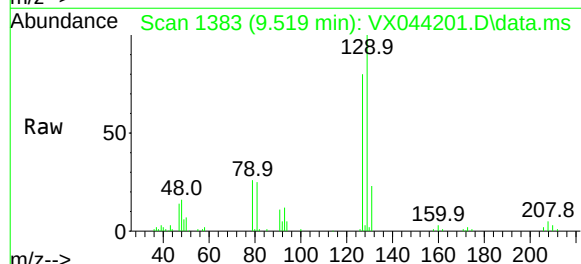
Acq: 10 Dec 2024 12:22

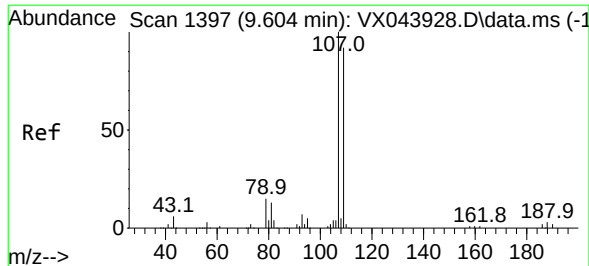
Tgt Ion:129 Resp: 33007

Ion Ratio Lower Upper

129 100

127 80.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.583 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 107 Resp: 36436

Ion Ratio Lower Upper

107 100

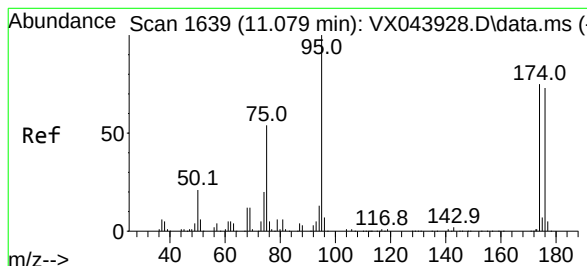
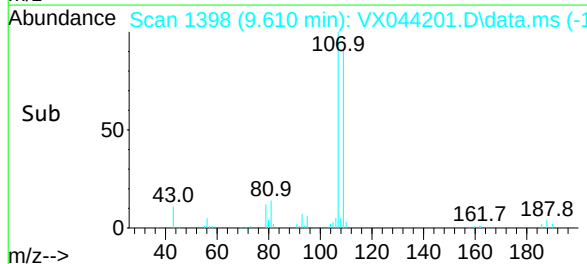
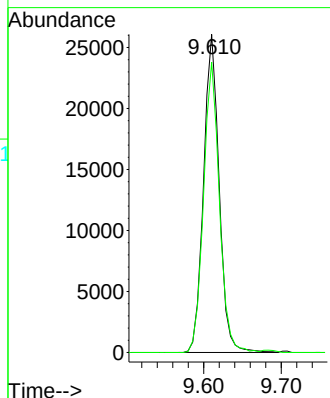
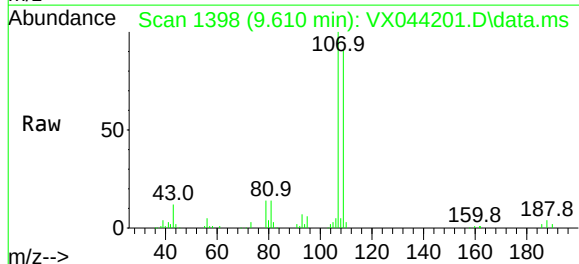
109 92.9 75.2 112.8

Manual Integrations

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Reviewed By : John Carlone 12/11/2024

Supervised By : Mahesh Dadoda 12/11/2024



#62

4-Bromofluorobenzene

Concen: 51.736 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

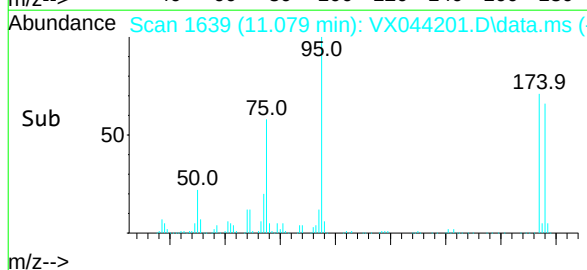
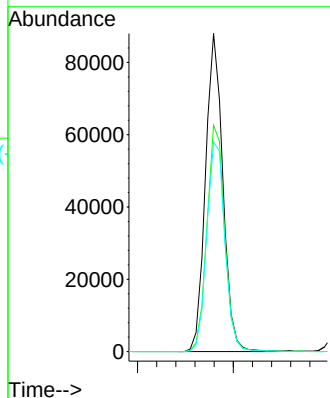
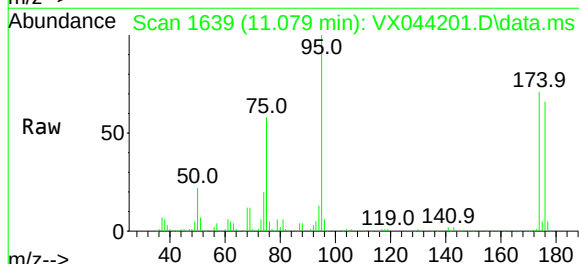
Tgt Ion: 95 Resp: 110798

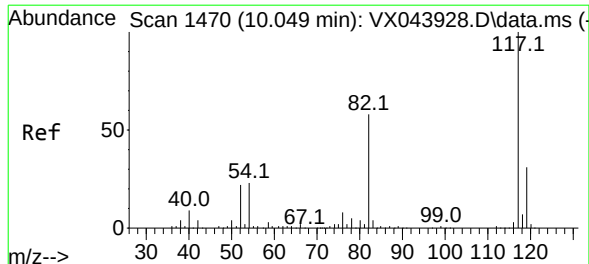
Ion Ratio Lower Upper

95 100

174 72.8 0.0 150.4

176 68.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

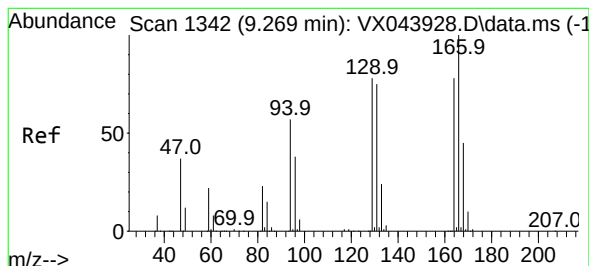
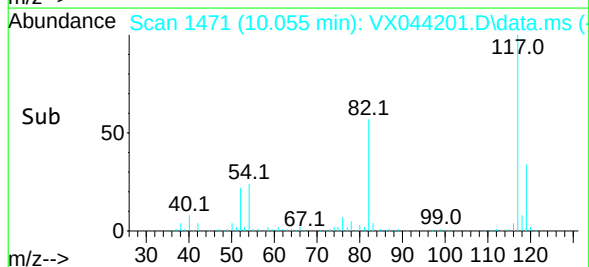
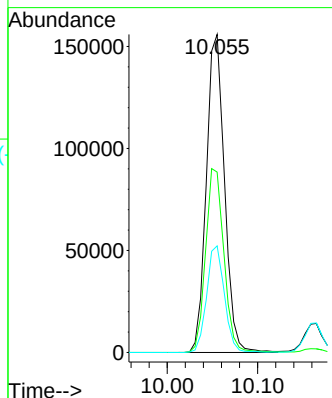
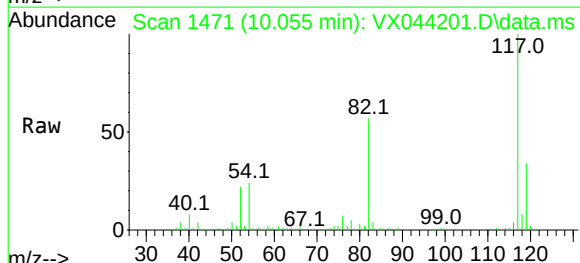
VX1210WBS01

Tgt Ion:	117	Resp:	217630
Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.4	69.6
119	33.5	24.6	37.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#64

Tetrachloroethene

Concen: 19.902 ug/l

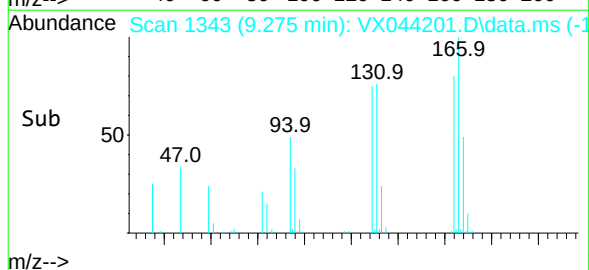
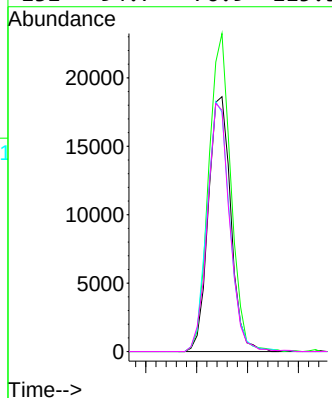
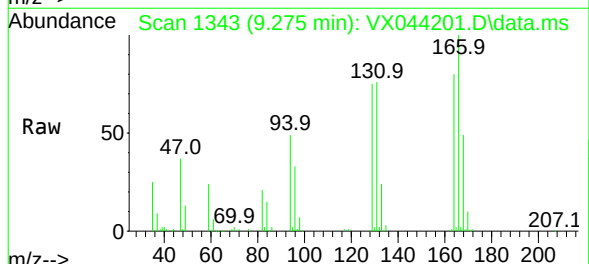
RT: 9.275 min Scan# 1343

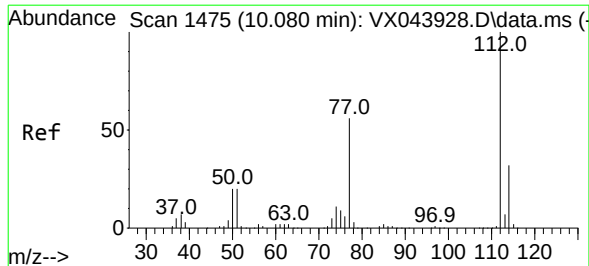
Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	164	Resp:	28559
Ion	Ratio	Lower	Upper
164	100		
166	124.8	102.1	153.1
129	93.9	79.6	119.4
131	94.7	76.9	115.3





#65

Chlorobenzene

Concen: 19.593 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion:112 Resp: 93648

Ion Ratio Lower Upper

112 100

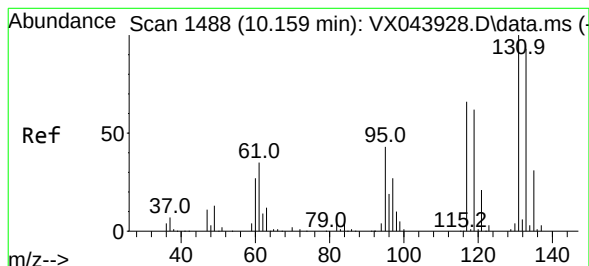
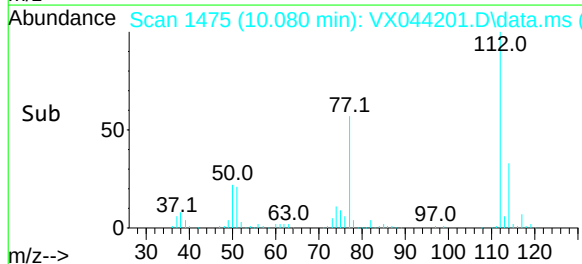
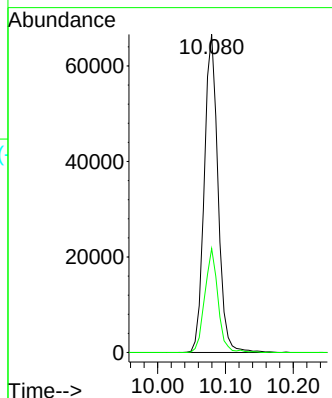
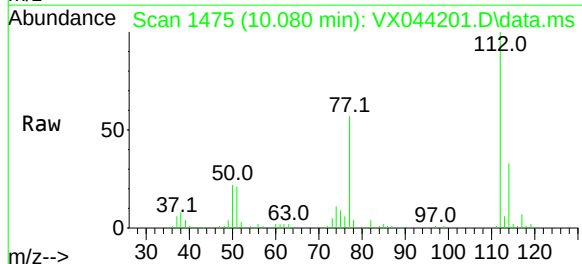
114 32.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 20.220 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

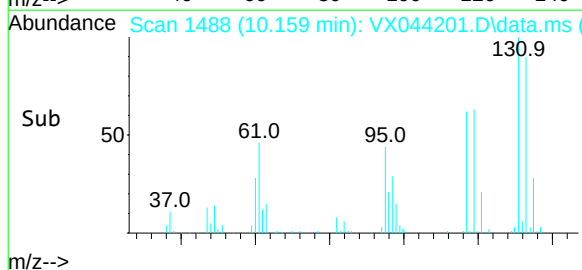
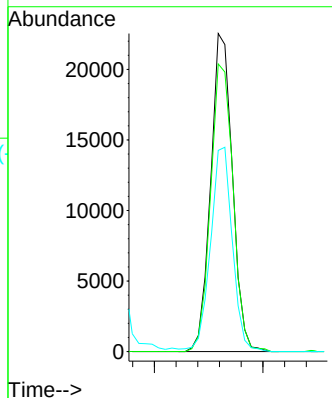
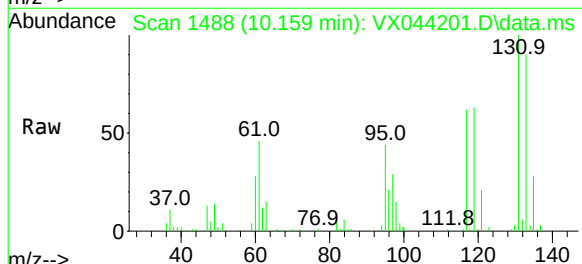
Tgt Ion:131 Resp: 31344

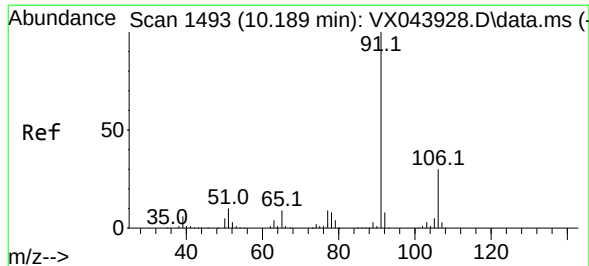
Ion Ratio Lower Upper

131 100

133 93.4 48.2 144.6

119 64.6 31.5 94.5





#67

Ethyl Benzene

Concen: 20.000 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 91 Resp: 161984

Ion Ratio Lower Upper

91 100

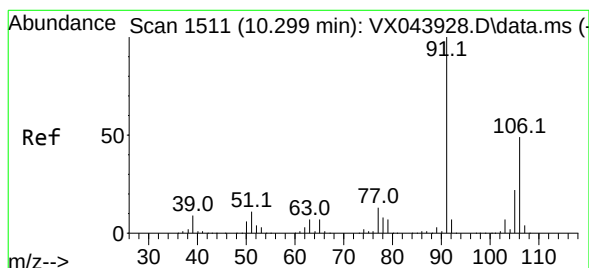
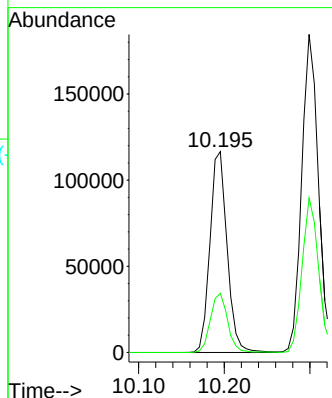
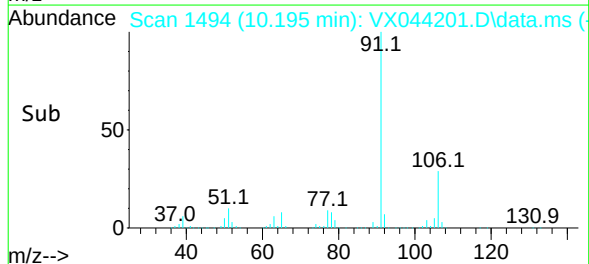
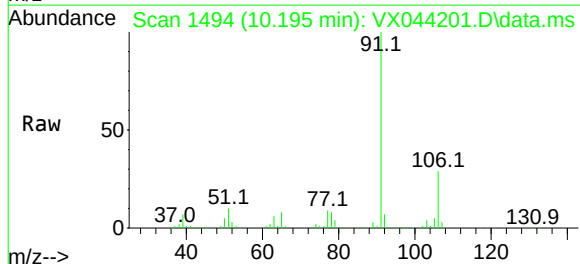
106 29.5 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#68

m/p-Xylenes

Concen: 40.339 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044201.D

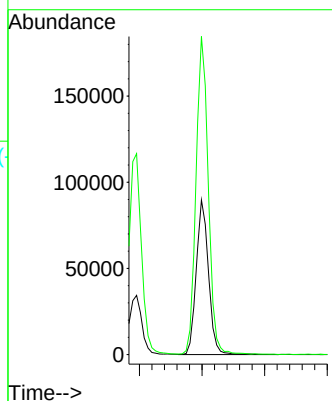
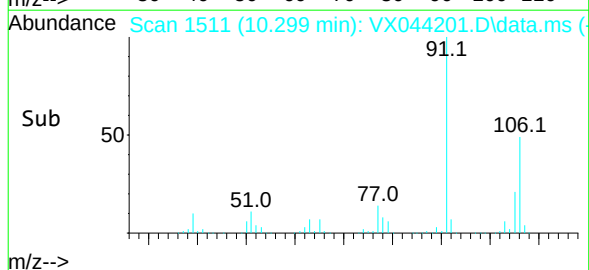
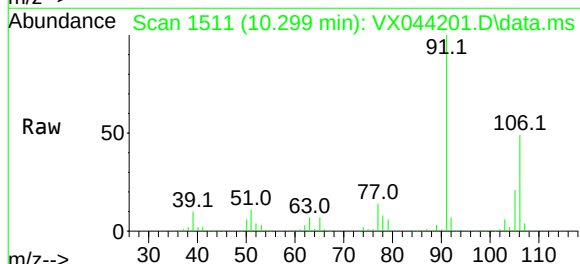
Acq: 10 Dec 2024 12:22

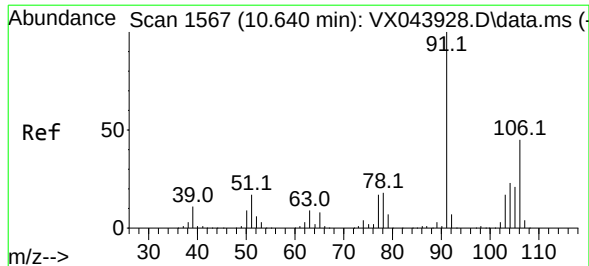
Tgt Ion:106 Resp: 121841

Ion Ratio Lower Upper

106 100

91 206.2 168.1 252.1





#69

o-Xylene

Concen: 20.286 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion:106 Resp: 59823

Ion Ratio Lower Upper

106 100

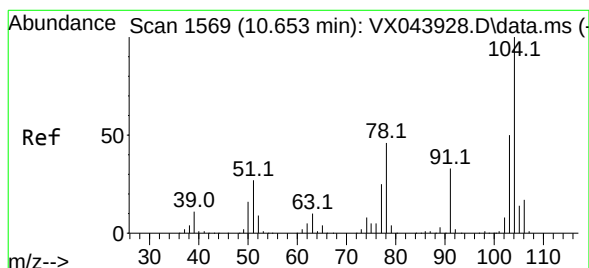
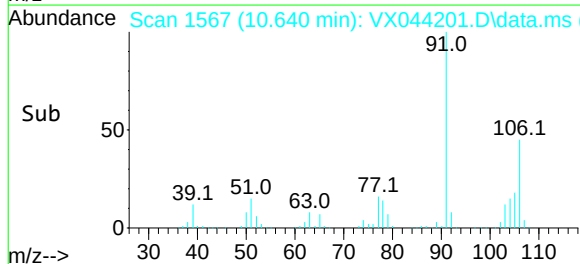
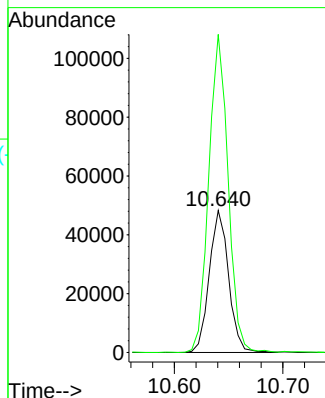
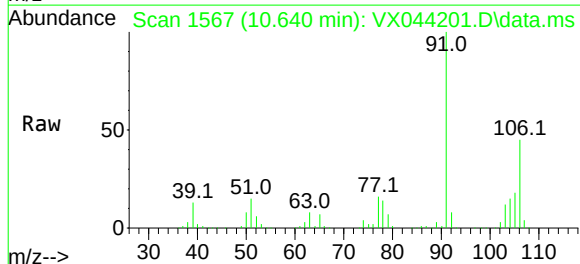
91 223.5 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#70

Styrene

Concen: 20.249 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

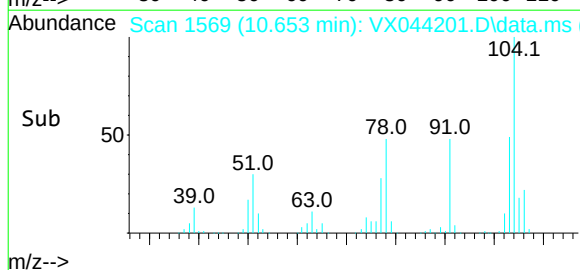
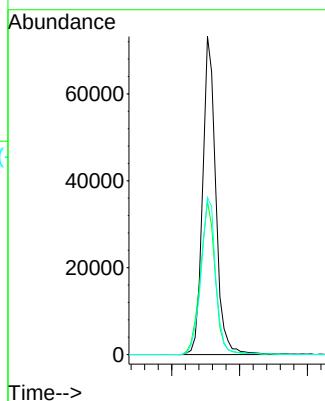
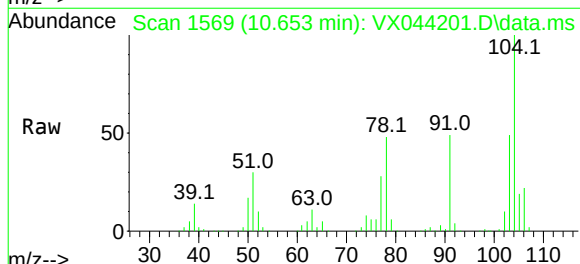
Tgt Ion:104 Resp: 98764

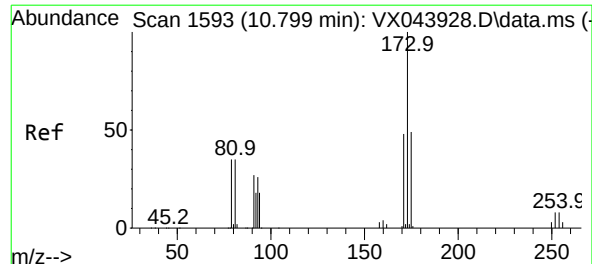
Ion Ratio Lower Upper

104 100

78 54.7 42.2 63.2

103 55.5 44.7 67.1





#71

Bromoform

Concen: 17.726 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

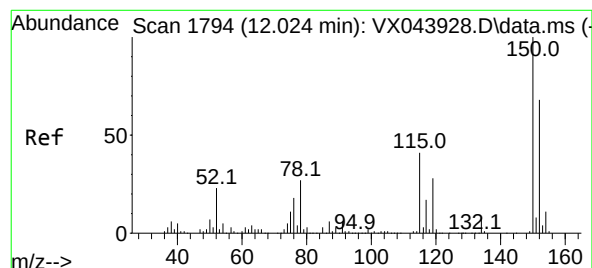
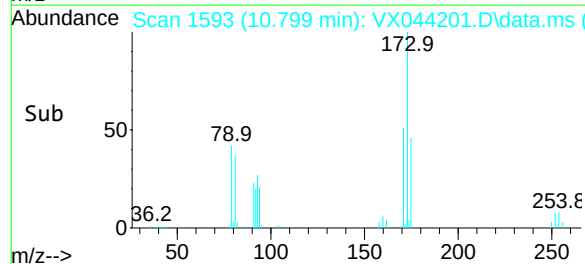
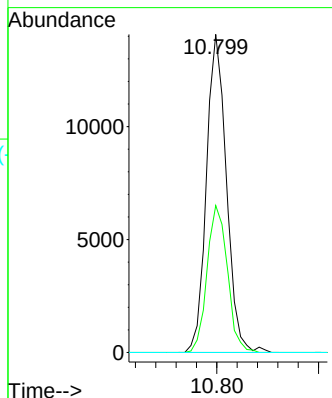
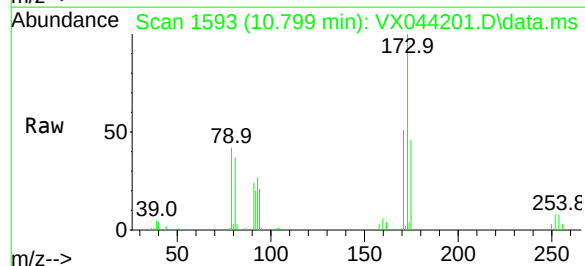
ClientSampleId :

VX1210WBS01

Tgt Ion:	173	Resp:	19230
Ion Ratio	Lower	Upper	
173	100		
175	47.0	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

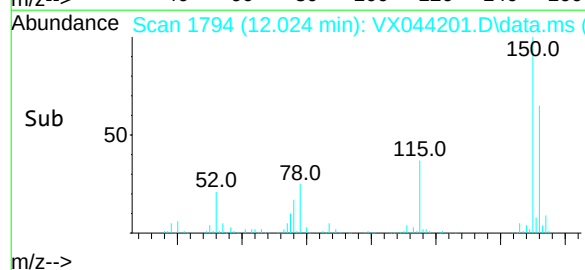
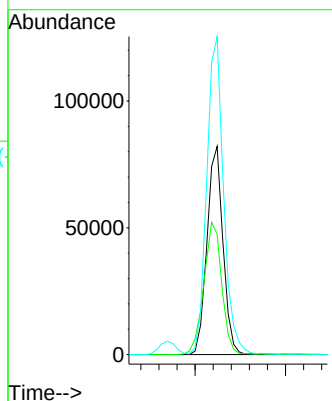
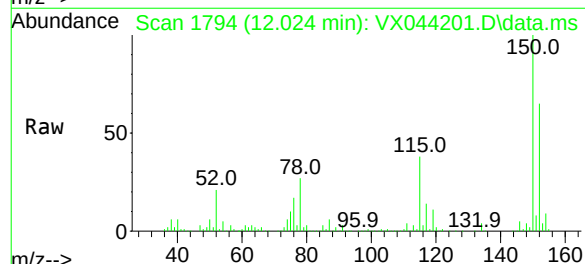
RT: 12.024 min Scan# 1794

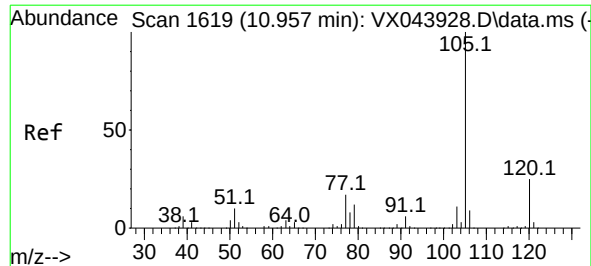
Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	152	Resp:	101326
Ion Ratio	Lower	Upper	
152	100		
115	71.1	45.4	136.2
150	159.7	0.0	353.0





#73

Isopropylbenzene

Concen: 20.063 ug/l

RT: 10.964 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 105 Resp: 156270

Ion Ratio Lower Upper

105 100

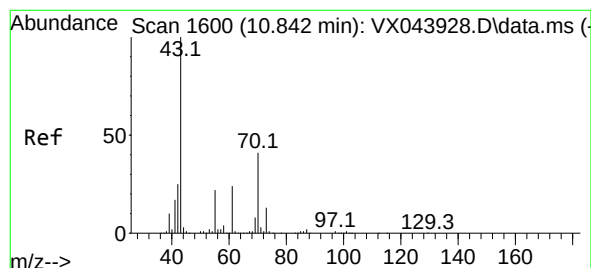
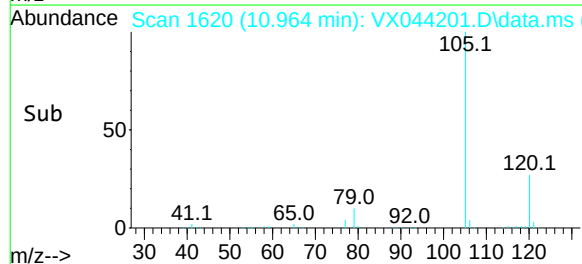
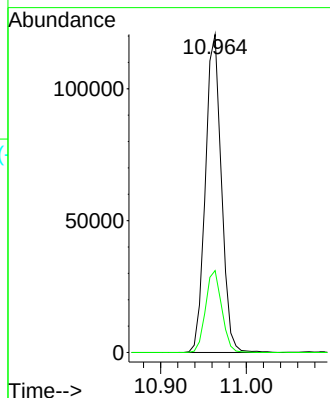
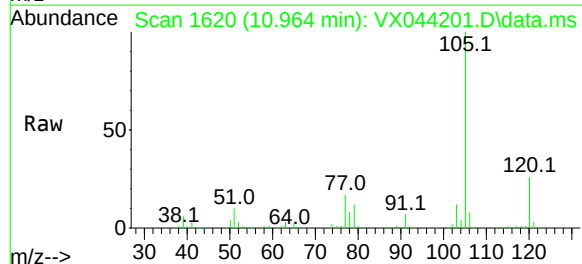
120 26.0 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#74

N-ethyl acetate

Concen: 20.177 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 72802

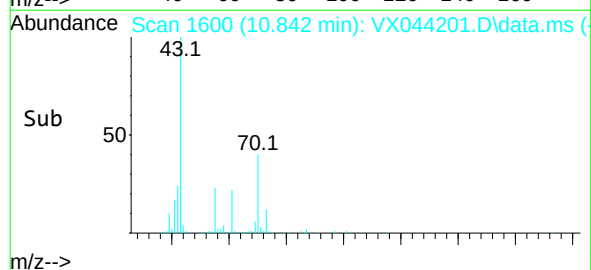
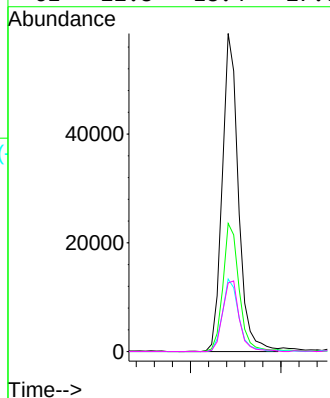
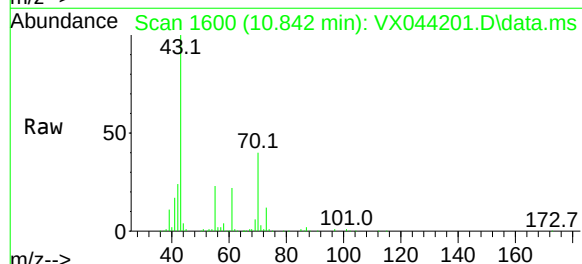
Ion Ratio Lower Upper

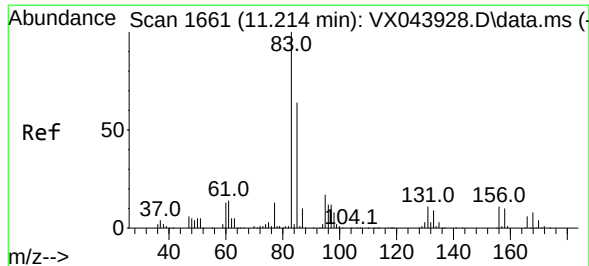
43 100

70 40.9 32.2 48.2

55 22.9 18.1 27.1

61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.740 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

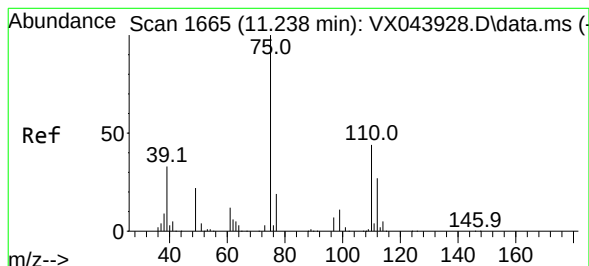
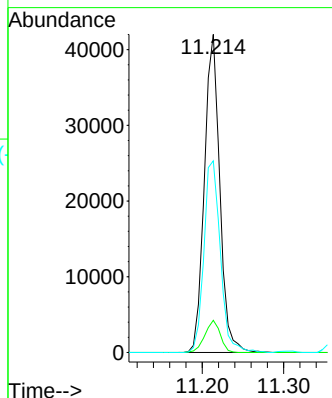
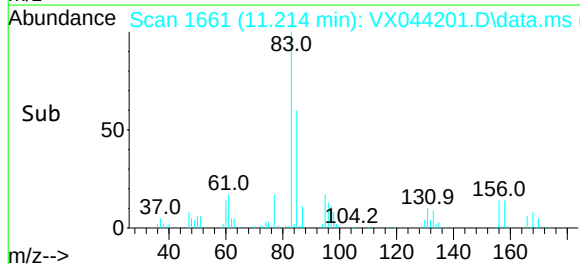
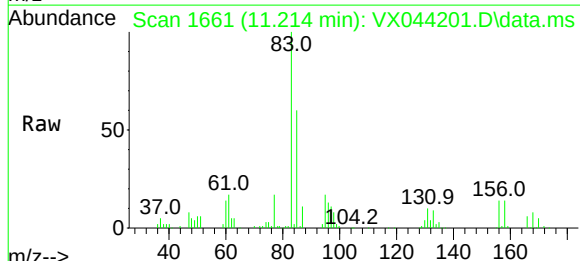
ClientSampleId :

VX1210WBS01

Tgt Ion:	83	Resp:	55313
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.2	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#76

1,2,3-Trichloropropane

Concen: 20.537 ug/l m

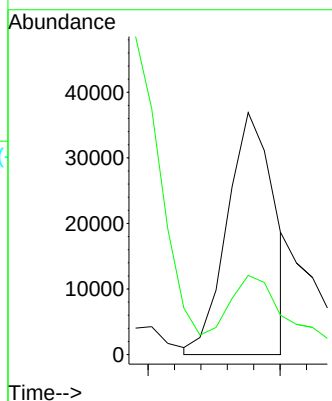
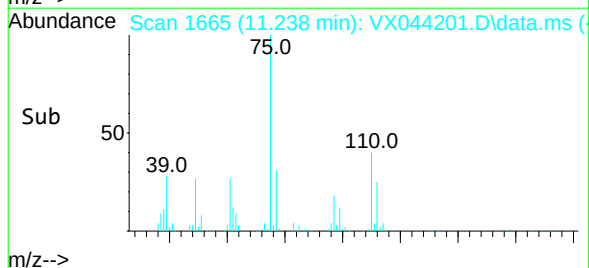
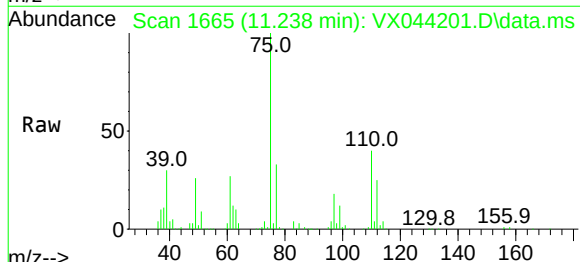
RT: 11.238 min Scan# 1665

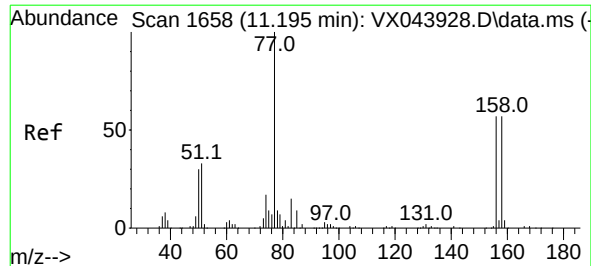
Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	75	Resp:	45635
Ion	Ratio	Lower	Upper
75	100		
77	43.5	21.8	65.3





#77

Bromobenzene

Concen: 19.549 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion:156 Resp: 36322

Ion Ratio Lower Upper

156 100

77 166.7 83.4 250.1

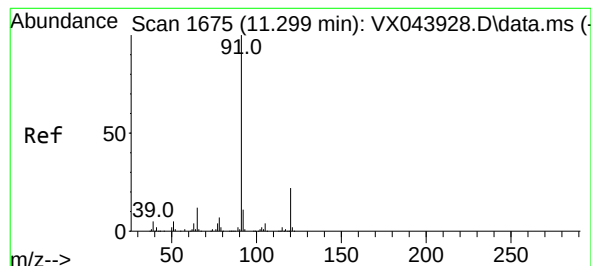
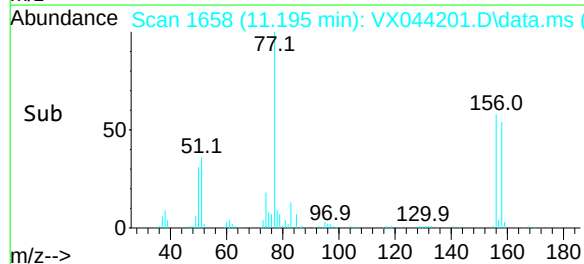
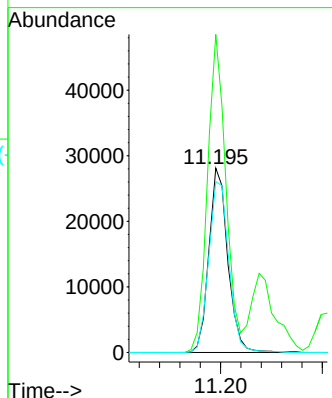
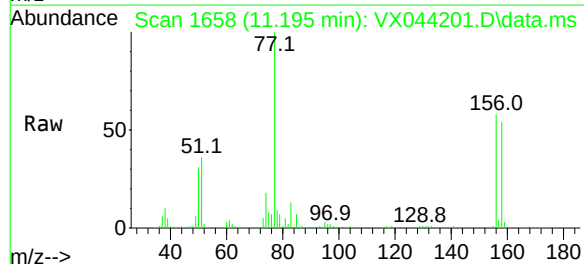
158 99.0 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#78

n-propylbenzene

Concen: 19.442 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044201.D

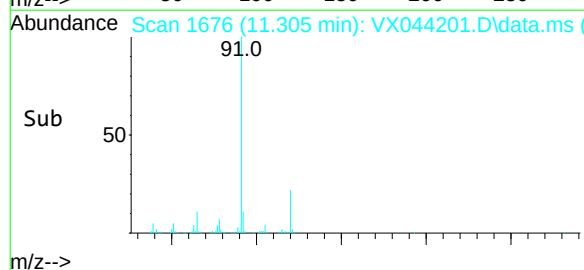
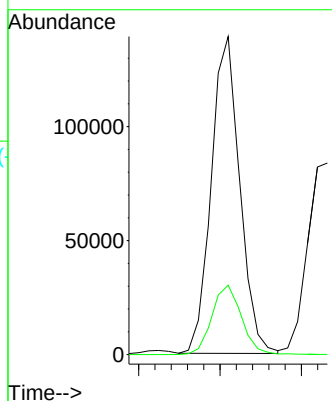
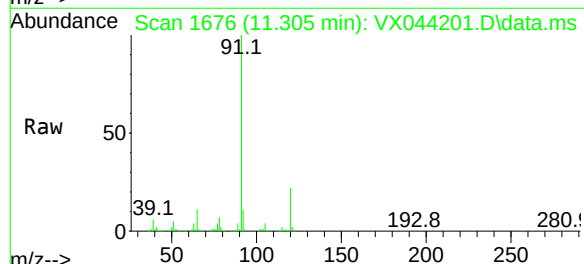
Acq: 10 Dec 2024 12:22

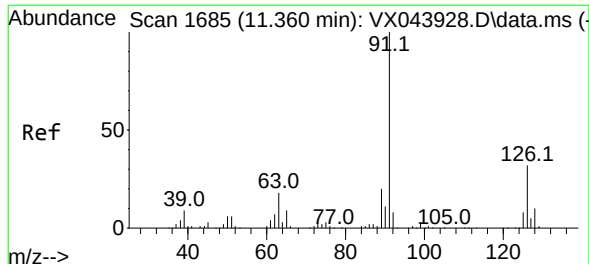
Tgt Ion: 91 Resp: 169125

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.964 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 91 Resp: 109815

Ion Ratio Lower Upper

91 100

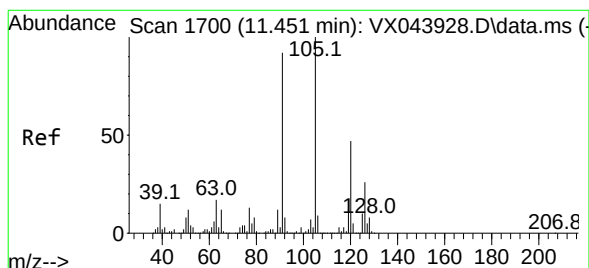
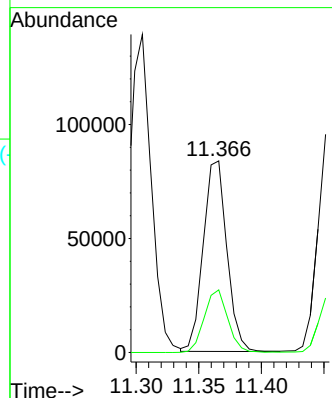
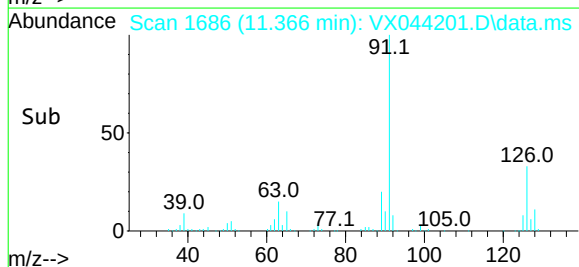
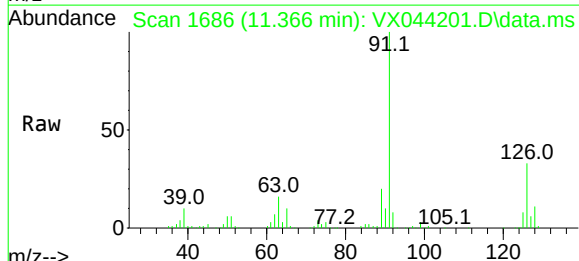
126 32.8 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#80

1,3,5-Trimethylbenzene

Concen: 20.232 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044201.D

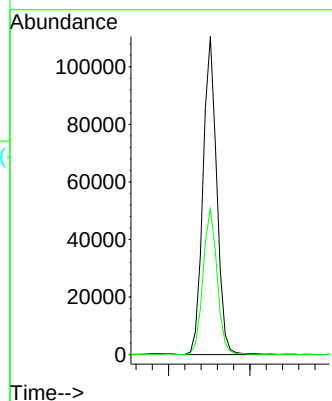
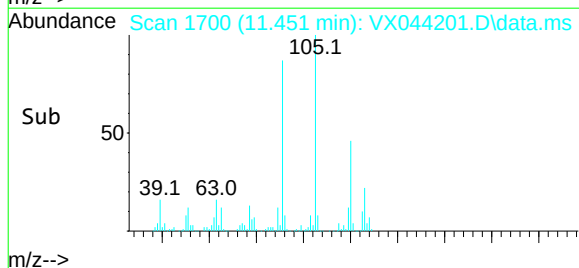
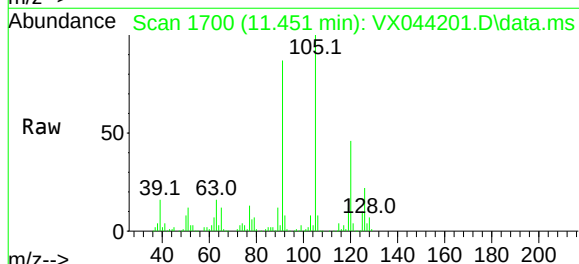
Acq: 10 Dec 2024 12:22

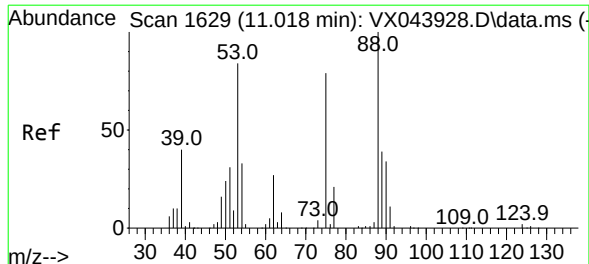
Tgt Ion:105 Resp: 129646

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.281 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

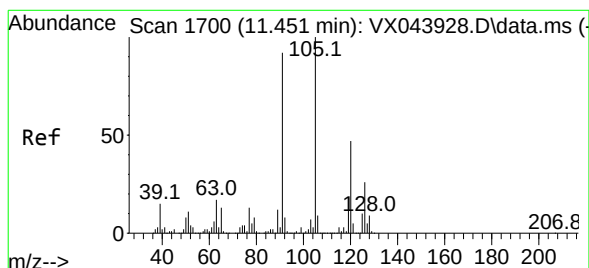
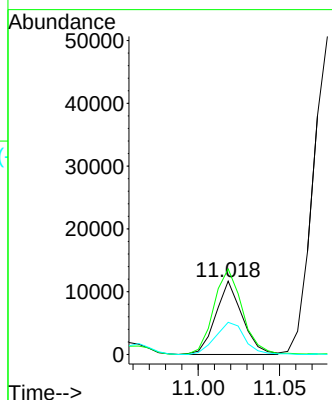
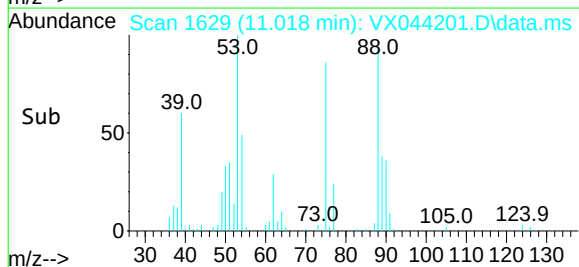
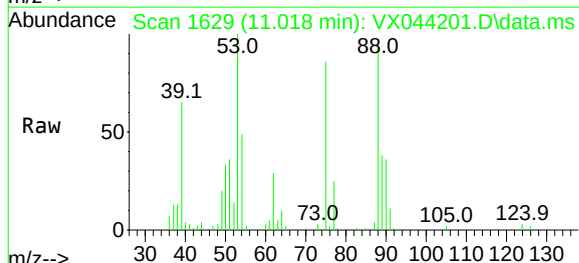
ClientSampleId :

VX1210WBS01

Tgt Ion:	75	Resp:	13258
Ion	Ratio	Lower	Upper
75	100		
53	125.9	86.7	130.1
89	48.6	38.2	57.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#82

4-Chlorotoluene

Concen: 20.059 ug/l

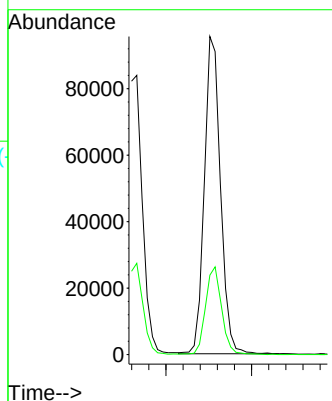
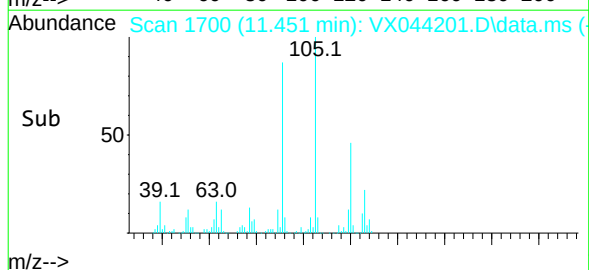
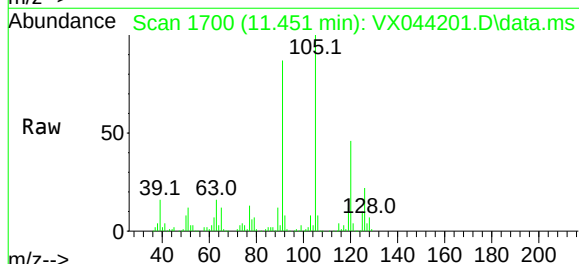
RT: 11.451 min Scan# 1700

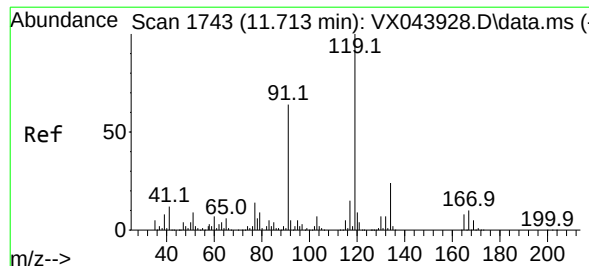
Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	91	Resp:	124570
Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.3	42.9





#83

tert-Butylbenzene

Concen: 20.509 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion:119 Resp: 130260

Ion Ratio Lower Upper

119 100

91 61.8 31.0 93.0

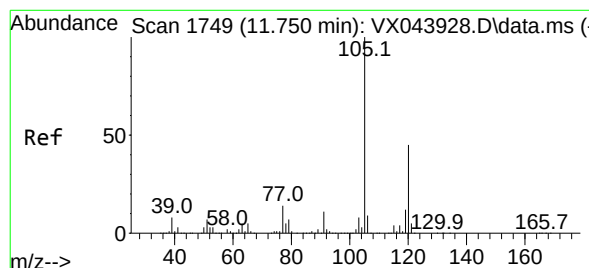
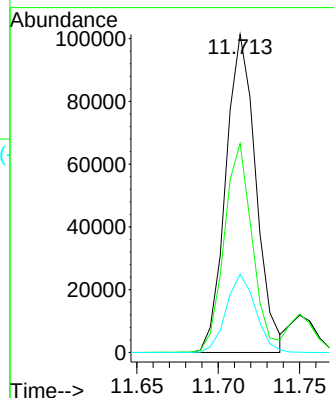
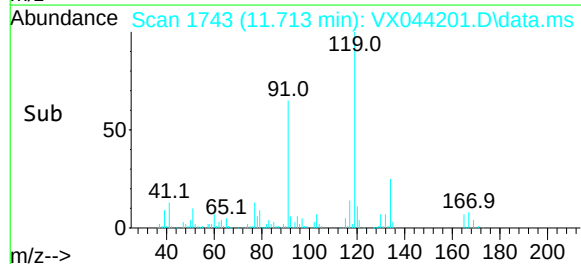
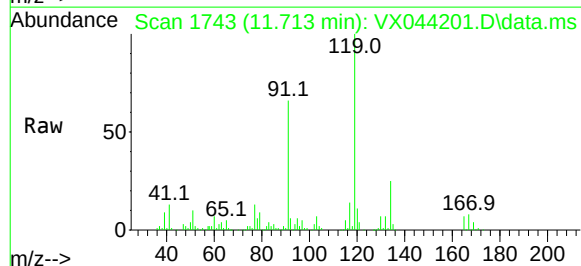
134 24.0 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#84

1,2,4-Trimethylbenzene

Concen: 20.869 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044201.D

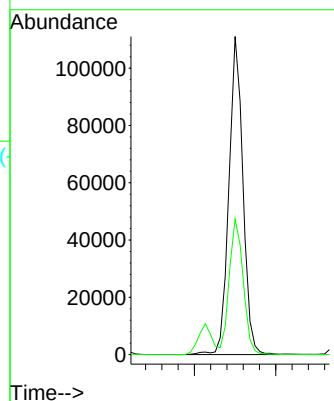
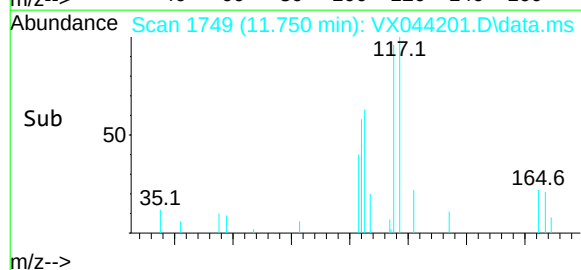
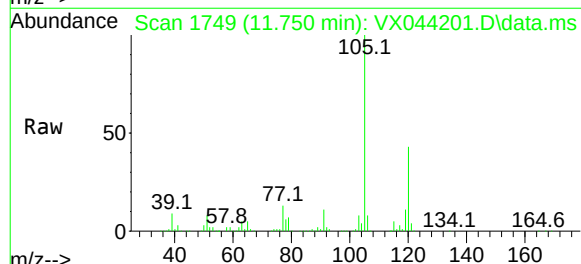
Acq: 10 Dec 2024 12:22

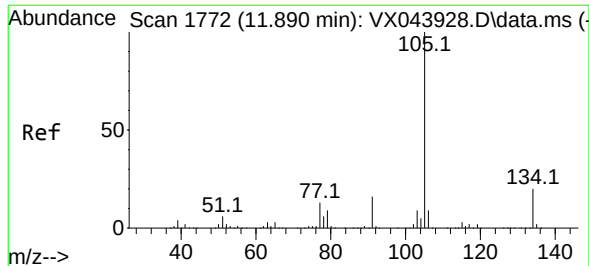
Tgt Ion:105 Resp: 133139

Ion Ratio Lower Upper

105 100

120 42.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.171 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion:105 Resp: 156966

Ion Ratio Lower Upper

105 100

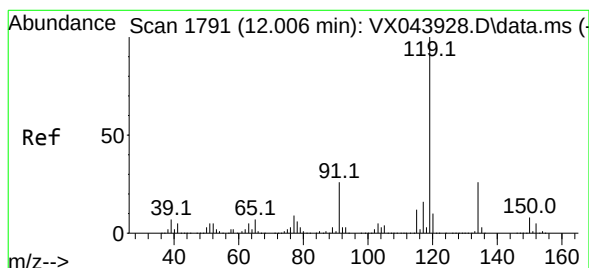
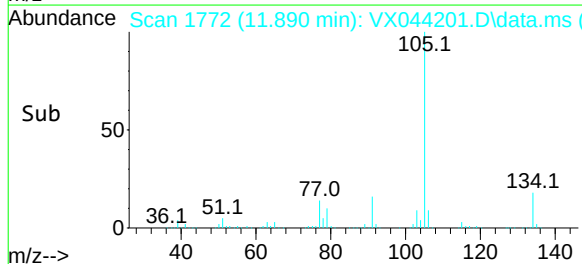
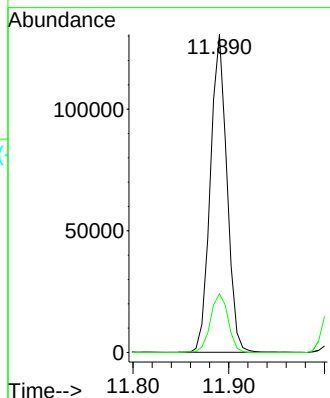
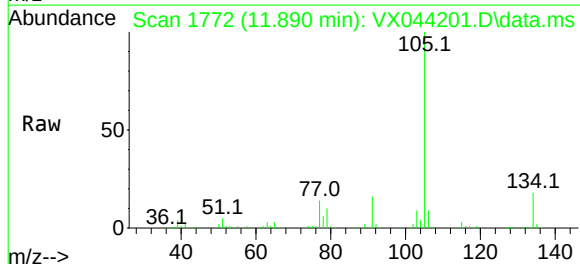
134 19.6 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#86

p-Isopropyltoluene

Concen: 20.752 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

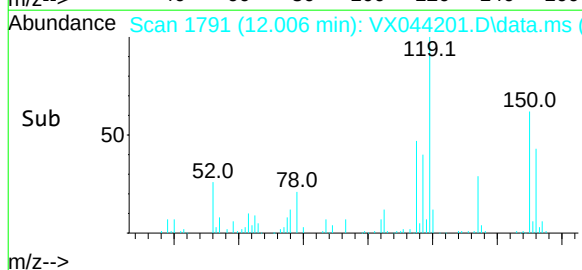
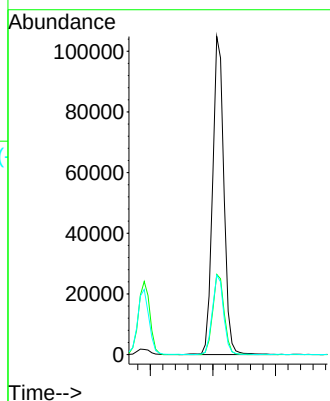
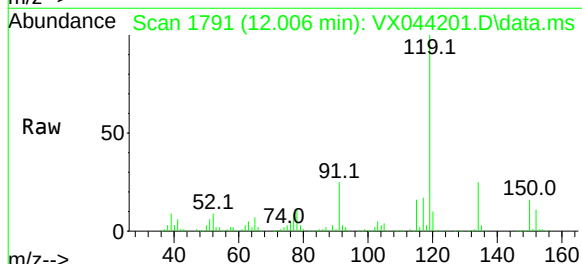
Tgt Ion:119 Resp: 131174

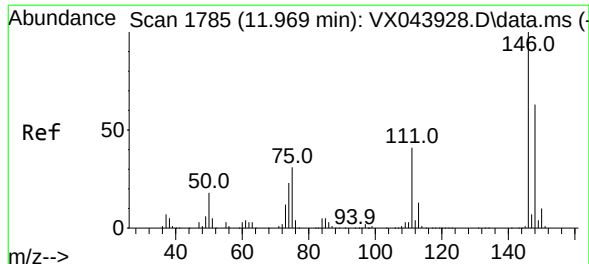
Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 25.1 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 19.027 ug/l

RT: 11.970 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

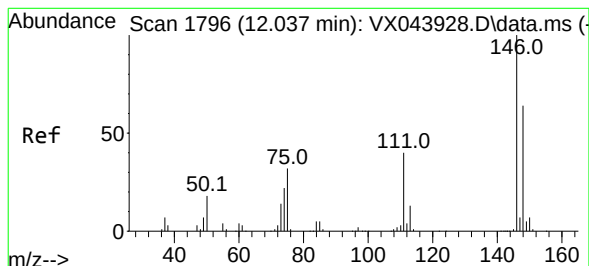
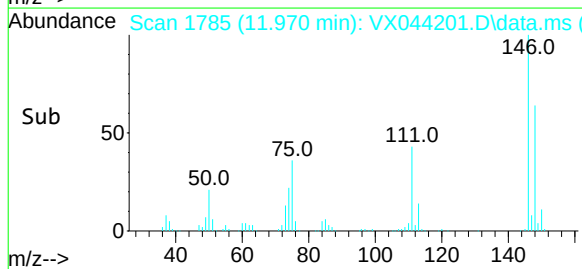
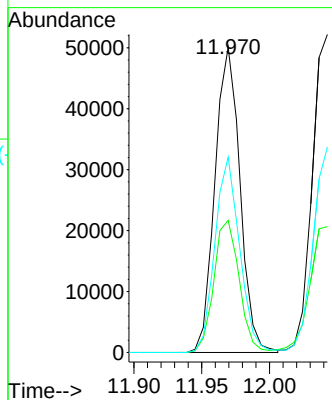
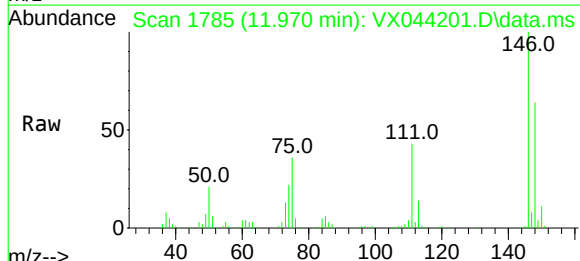
ClientSampleId :

VX1210WBS01

Tgt Ion:	146	Resp:	64387
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.1	63.3
148	63.5	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024



#88

1,4-Dichlorobenzene

Concen: 19.356 ug/l

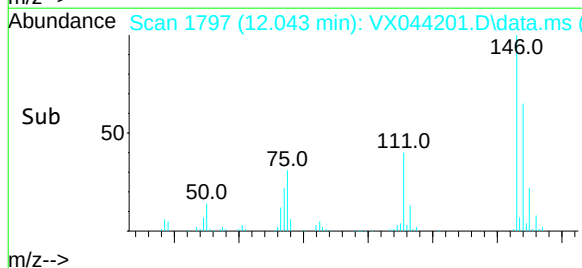
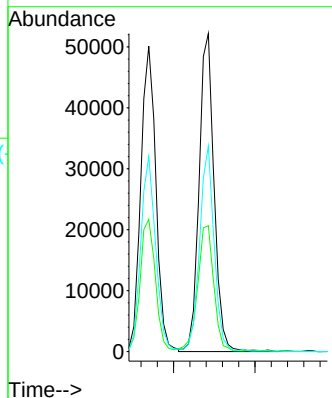
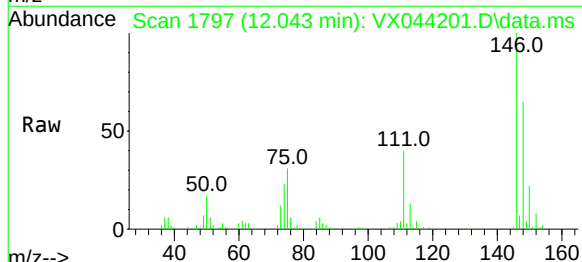
RT: 12.043 min Scan# 1797

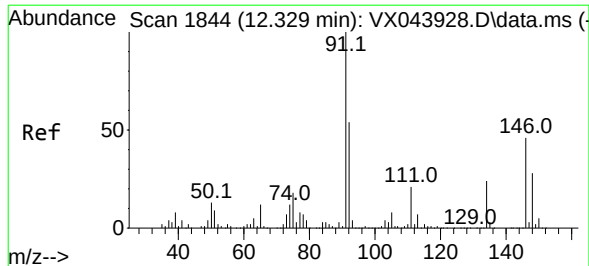
Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	146	Resp:	66782
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.1	60.3
148	61.3	30.9	92.8





#89

n-Butylbenzene

Concen: 19.527 ug/l

RT: 12.335 min Scan# 1844

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion: 91 Resp: 108826

Ion Ratio Lower Upper

91 100

92 52.2 26.6 79.8

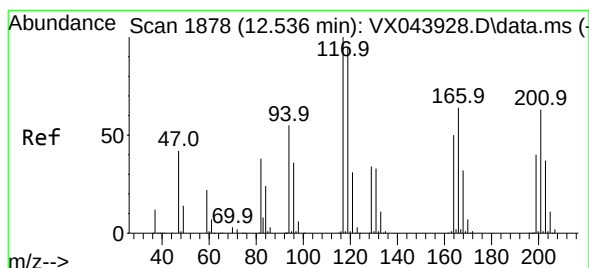
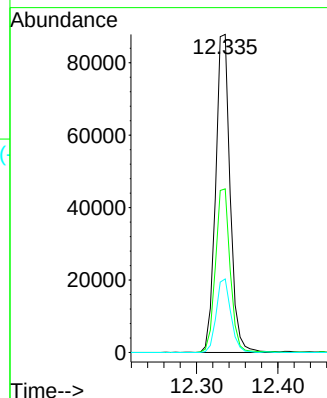
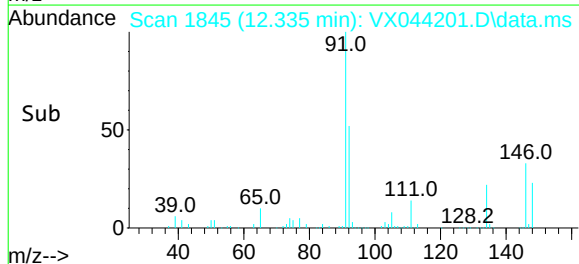
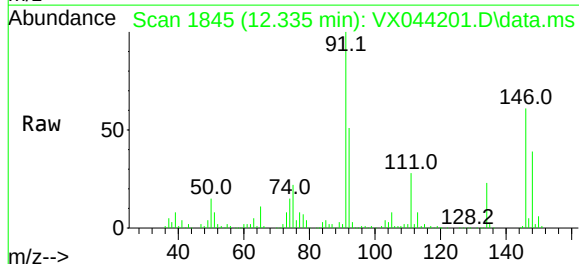
134 23.3 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#90

Hexachloroethane

Concen: 17.319 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044201.D

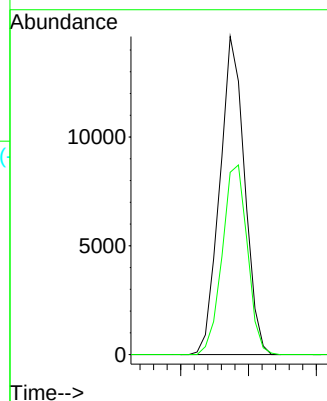
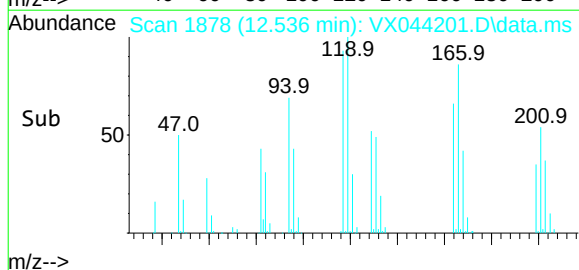
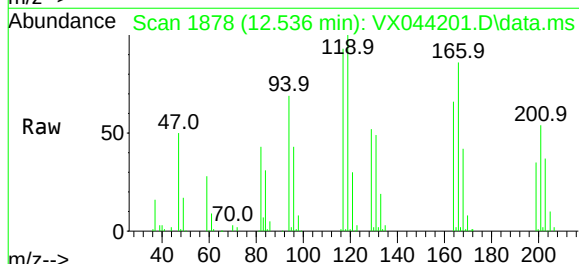
Acq: 10 Dec 2024 12:22

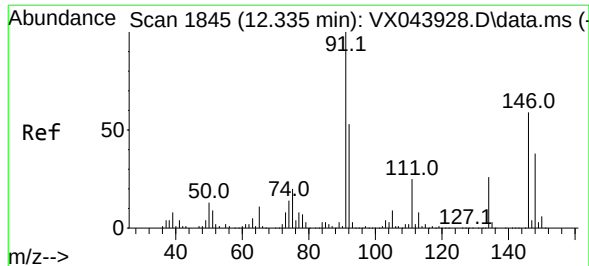
Tgt Ion:117 Resp: 18615

Ion Ratio Lower Upper

117 100

201 60.3 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 19.674 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

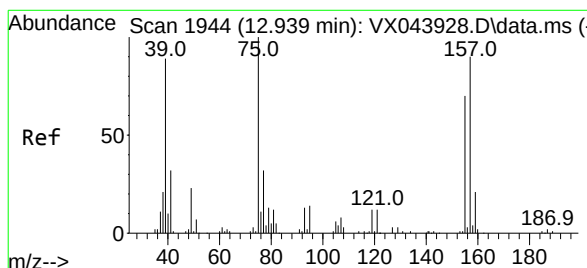
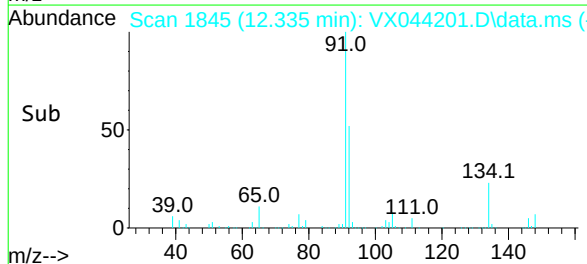
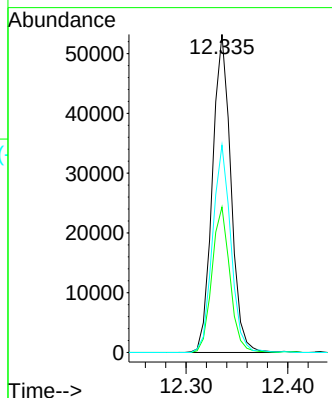
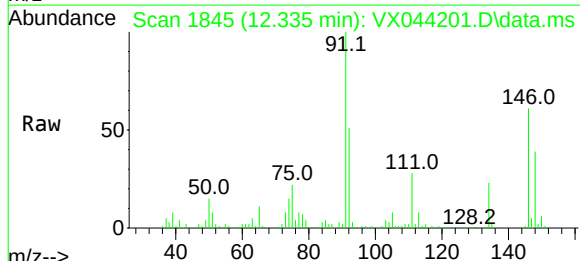
Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion:	146	Resp:	67188
Ion Ratio	Lower	Upper	
146	100		
111	44.4	21.5	64.5
148	64.7	31.9	95.5

Manual Integrations
APPROVEDReviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

#92

1,2-Dibromo-3-Chloropropane

Concen: 19.080 ug/l

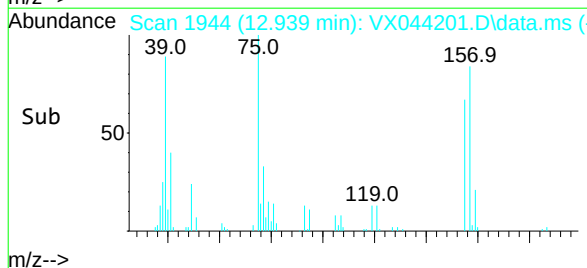
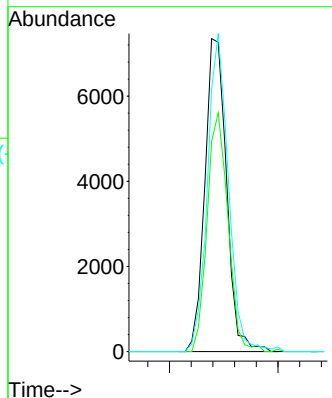
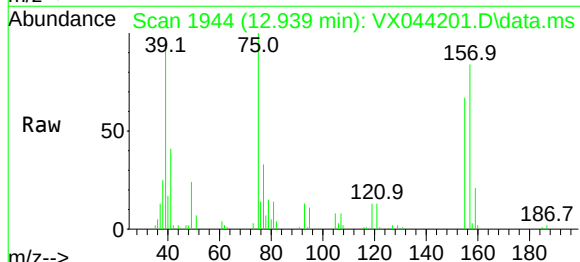
RT: 12.939 min Scan# 1944

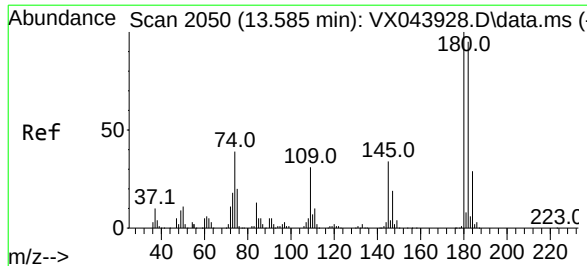
Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	75	Resp:	10196
Ion Ratio	Lower	Upper	
75	100		
155	73.4	40.1	120.2
157	98.5	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 17.372 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

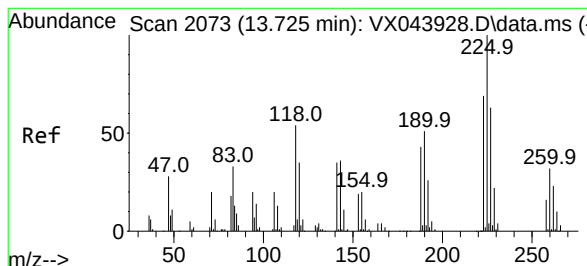
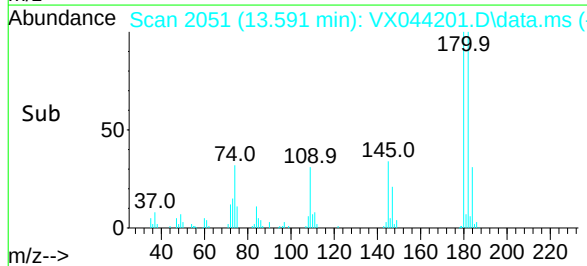
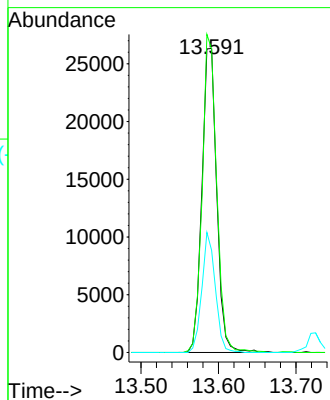
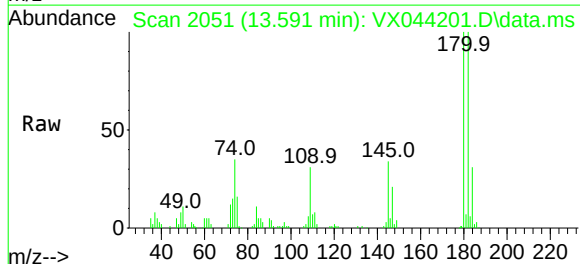
Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.2	48.0	144.2
145	35.9	16.8	50.4

Manual Integrations
APPROVEDReviewed By :John Carlone 12/11/2024
Supervised By :Mahesh Dadoda 12/11/2024

#94

Hexachlorobutadiene

Concen: 18.576 ug/l

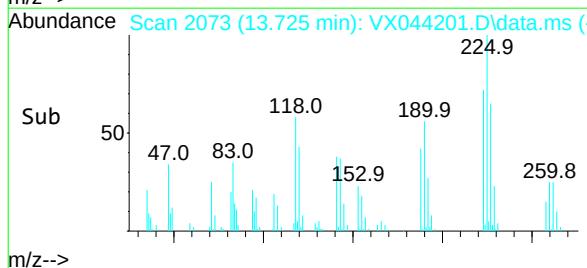
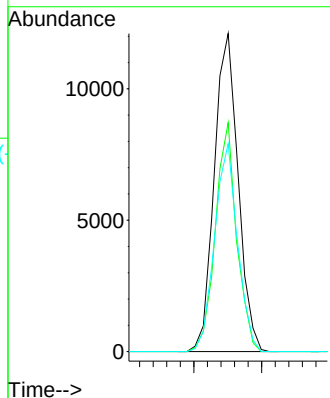
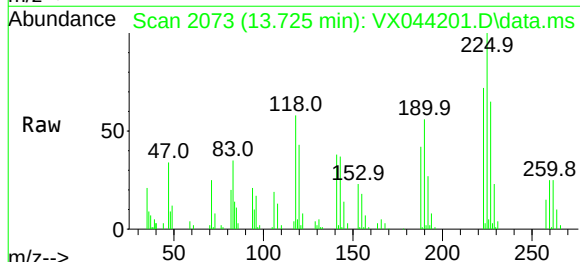
RT: 13.725 min Scan# 2073

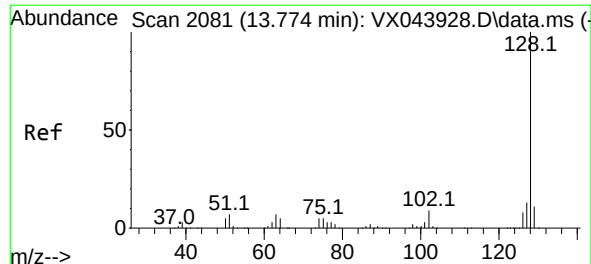
Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.6
227	62.7	31.6	94.8





#95

Naphthalene

Concen: 19.744 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

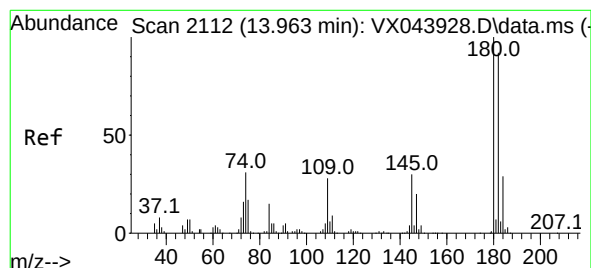
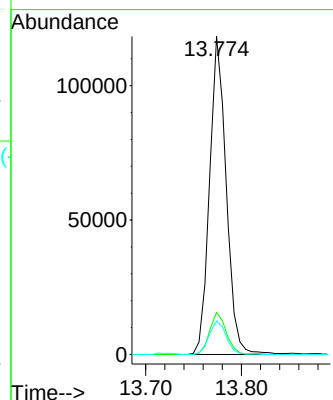
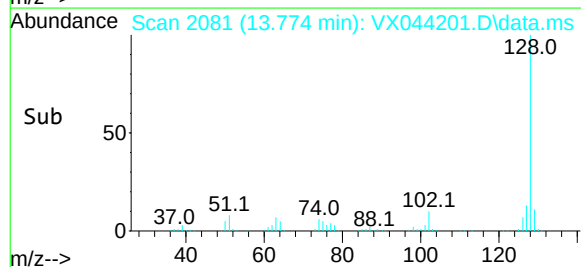
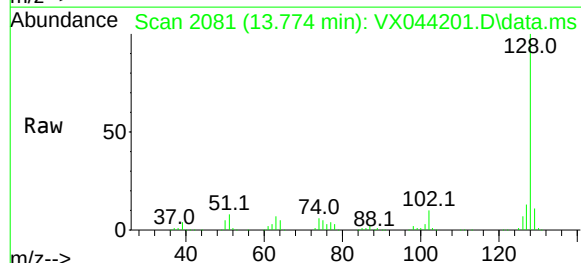
VX1210WBS01

Tgt Ion:	128	Resp:	143097
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/11/2024

Supervised By :Mahesh Dadoda 12/11/2024



#96

1,2,3-Trichlorobenzene

Concen: 19.036 ug/l

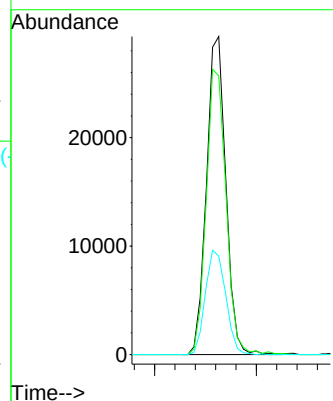
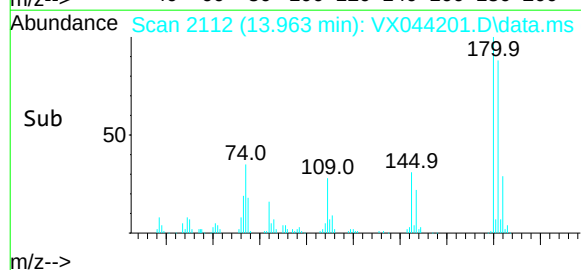
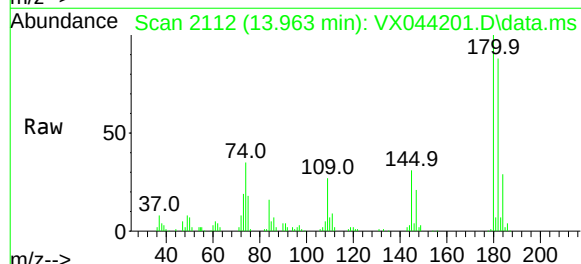
RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:	180	Resp:	38793
Ion	Ratio	Lower	Upper
180	100		
182	91.6	45.6	136.8
145	34.5	16.4	49.4



Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1209WBSD01	SDG No.:	P5164	
Lab Sample ID:	VX1209WBSD01	Matrix:	Water	
Analytical Method:	SW8260	% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	
Soil Aliquot Vol:			uL	
GC Column:	DB-624UI	ID :	0.18	
Prep Method :		Level :	LOW	
		Final Vol:	5000	uL
		Test:	VOCMS Group1	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044194.D	1		12/09/24 17:37	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.0		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.1		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.3		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	25.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	100		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.8		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.9		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	21.5		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.3		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	18.9		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	22.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.3		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	20.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.8		0.18	0.50	1.00	ug/L

Report of Analysis

Client:	AECOM Technical Services, Inc.		Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258		Date Received:	
Client Sample ID:	VX1209WBSD01		SDG No.:	P5164
Lab Sample ID:	VX1209WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044194.D	1		12/09/24 17:37	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.9		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	41.4		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	21.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	21.1		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.5		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	21.9		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.2		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.3		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.4		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	5.55				
540-36-3	1,4-Difluorobenzene	249000	6.757				
3114-55-4	Chlorobenzene-d5	216000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	96600	12.024				

Report of Analysis

Client:	AECOM Technical Services, Inc.			Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258			Date Received:	
Client Sample ID:	VX1209WBSD01			SDG No.:	P5164
Lab Sample ID:	VX1209WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044194.D	1		12/09/24 17:37	VX120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:46:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	135757	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	248673	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96570	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	129787	55.739	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.480%
35) Dibromofluoromethane	5.379	113	92471	52.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.080%
50) Toluene-d8	8.647	98	311560	50.866	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.740%
62) 4-Bromofluorobenzene	11.079	95	112080	53.767	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.540%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	27509	15.995	ug/l	98
3) Chloromethane	1.294	50	32755	18.099	ug/l	98
4) Vinyl Chloride	1.374	62	35273	18.324	ug/l	99
5) Bromomethane	1.593	94	24857	20.990	ug/l	94
6) Chloroethane	1.666	64	29761	25.373	ug/l	99
7) Trichlorofluoromethane	1.867	101	68304	19.847	ug/l	99
8) Diethyl Ether	2.136	74	27655	22.047	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	30116	18.345	ug/l	99
10) Methyl Iodide	2.441	142	41292	20.140	ug/l	98
11) Tert butyl alcohol	2.989	59	38441	102.855	ug/l	99
12) 1,1-Dichloroethene	2.306	96	29889	19.107	ug/l	98
13) Acrolein	2.233	56	32283	81.950	ug/l	96
14) Allyl chloride	2.660	41	50978	19.944	ug/l	97
15) Acrylonitrile	3.068	53	100479	110.322	ug/l	99
16) Acetone	2.386	43	109503	102.392	ug/l	99
17) Carbon Disulfide	2.502	76	44433	13.770	ug/l	96
18) Methyl Acetate	2.709	43	53505	21.484	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	124639	21.944	ug/l	95
20) Methylene Chloride	2.782	84	36188	19.940	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	31501	19.504	ug/l	96
22) Diisopropyl ether	3.763	45	120480	22.043	ug/l	95
23) Vinyl Acetate	3.721	43	499223	106.772	ug/l	100
24) 1,1-Dichloroethane	3.605	63	66871	21.208	ug/l	99
25) 2-Butanone	4.568	43	154107	111.678	ug/l	100
26) 2,2-Dichloropropane	4.471	77	57084	20.046	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42493	21.285	ug/l	98
28) Bromochloromethane	4.897	49	26209	18.884	ug/l	95
29) Tetrahydrofuran	5.007	42	95322	112.677	ug/l	98
30) Chloroform	5.093	83	75775	22.344	ug/l	93
31) Cyclohexane	5.464	56	48818	18.811	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62168	21.257	ug/l	99
36) 1,1-Dichloropropene	5.690	75	43925	19.838	ug/l	97
37) Ethyl Acetate	4.721	43	57613	20.961	ug/l	100
38) Carbon Tetrachloride	5.678	117	48162	19.358	ug/l	97
39) Methylcyclohexane	7.379	83	52919	18.397	ug/l	94
40) Benzene	6.031	78	139613	20.242	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044194.D
 Acq On : 09 Dec 2024 17:37
 Operator : JC/MD
 Sample : VX1209WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:46:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	32217	22.901	ug/l	95
42) 1,2-Dichloroethane	6.086	62	59522	21.488	ug/l	99
43) Isopropyl Acetate	6.342	43	93678	21.416	ug/l	99
44) Trichloroethene	7.123	130	35012	17.932	ug/l	98
45) 1,2-Dichloropropane	7.427	63	33709	19.955	ug/l	97
46) Dibromomethane	7.580	93	28564	21.376	ug/l	98
47) Bromodichloromethane	7.818	83	48783	20.355	ug/l	99
48) Methyl methacrylate	7.696	41	43383	20.669	ug/l	99
49) 1,4-Dioxane	7.665	88	11689	312.640	ug/l #	61
51) 4-Methyl-2-Pentanone	8.574	43	302094	113.171	ug/l	99
52) Toluene	8.714	92	85899	20.808	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	48298	19.762	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	54145	20.209	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	36713	21.544	ug/l	97
56) Ethyl methacrylate	9.116	69	59083	22.260	ug/l	98
57) 1,3-Dichloropropane	9.305	76	62674	21.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	127295	86.855	ug/l	99
59) 2-Hexanone	9.433	43	231547	115.407	ug/l	99
60) Dibromochloromethane	9.519	129	33874	19.812	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36670	21.281	ug/l	98
64) Tetrachloroethene	9.275	164	27824	19.563	ug/l	98
65) Chlorobenzene	10.079	112	94932	20.039	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	32146	20.923	ug/l	100
67) Ethyl Benzene	10.195	91	167658	20.886	ug/l	99
68) m/p-Xylenes	10.299	106	123887	41.384	ug/l	100
69) o-Xylene	10.640	106	62326	21.324	ug/l	99
70) Styrene	10.652	104	101812	21.061	ug/l	98
71) Bromoform	10.799	173	18740	17.454	ug/l #	99
73) Isopropylbenzene	10.963	105	162841	21.937	ug/l	99
74) N-ethyl acetate	10.841	43	76764	22.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	56343	22.167	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	46519m	21.966	ug/l	
77) Bromobenzene	11.195	156	38424	21.699	ug/l	100
78) n-propylbenzene	11.305	91	177942	21.463	ug/l	98
79) 2-Chlorotoluene	11.360	91	113558	21.661	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	133542	21.866	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13581	17.499	ug/l #	85
82) 4-Chlorotoluene	11.451	91	128085	21.641	ug/l	99
83) tert-Butylbenzene	11.713	119	134832	22.274	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	134709	22.155	ug/l	98
85) sec-Butylbenzene	11.890	105	159764	21.541	ug/l	99
86) p-Isopropyltoluene	12.006	119	132697	22.027	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	66585	20.645	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	65706	19.982	ug/l	95
89) n-Butylbenzene	12.329	91	110620	20.826	ug/l	99
90) Hexachloroethane	12.536	117	18756	18.309	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	69186	21.257	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10532	20.679	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	37178	19.375	ug/l	98
94) Hexachlorobutadiene	13.725	225	14835	19.561	ug/l	99
95) Naphthalene	13.774	128	149688	21.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38872	20.014	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:46:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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

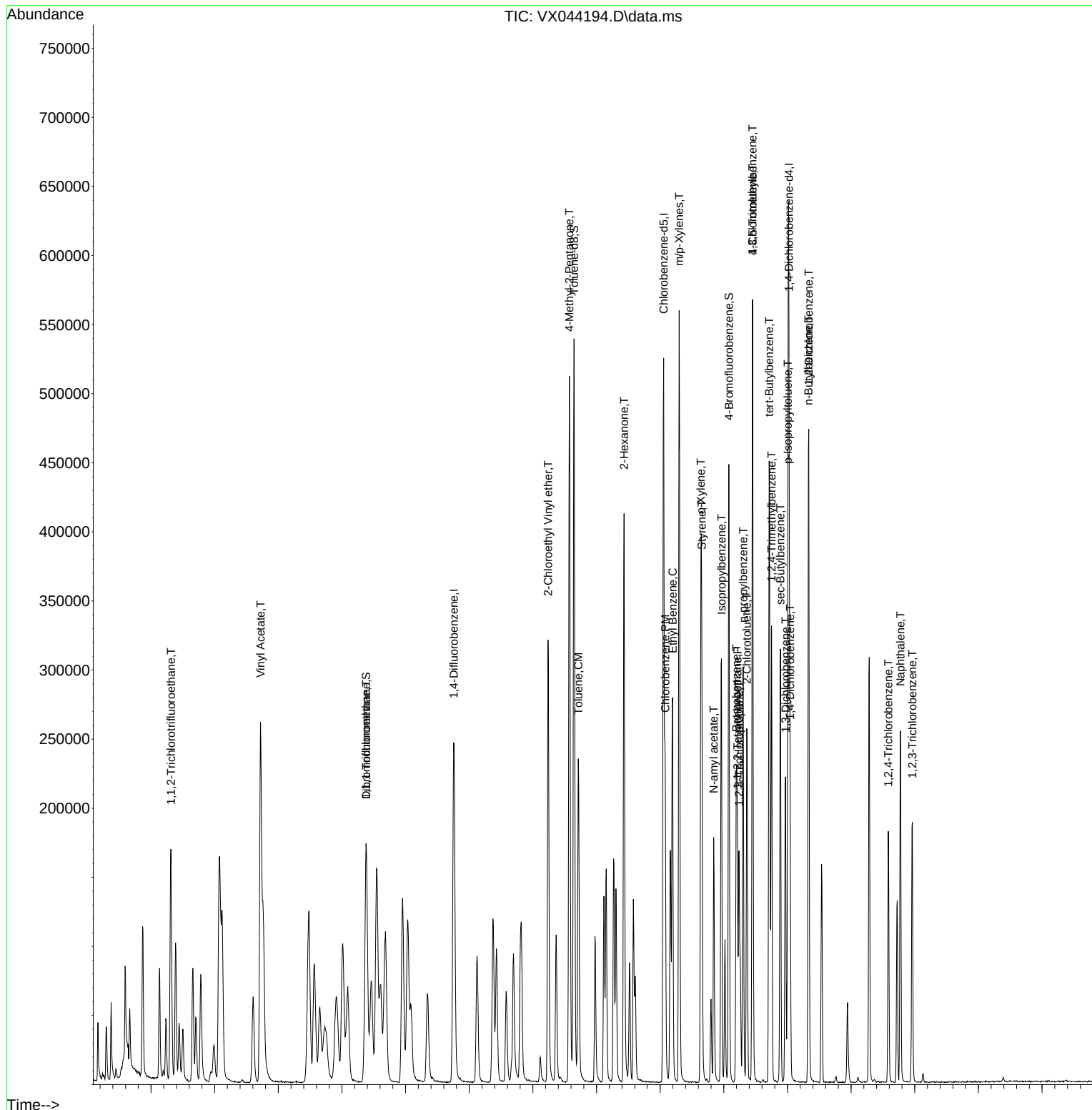
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

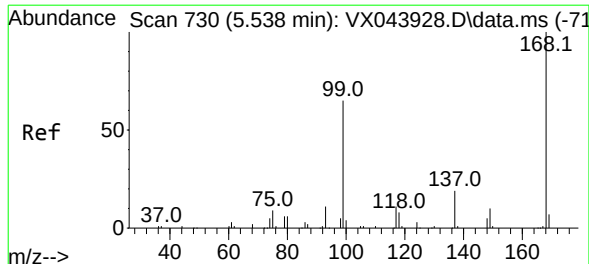
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 01:46:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





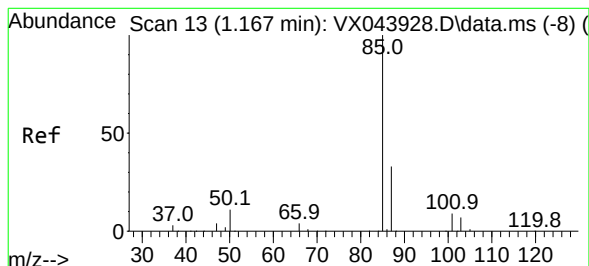
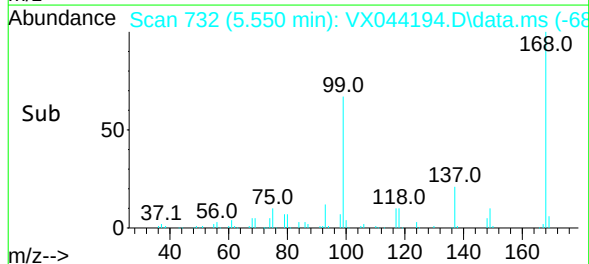
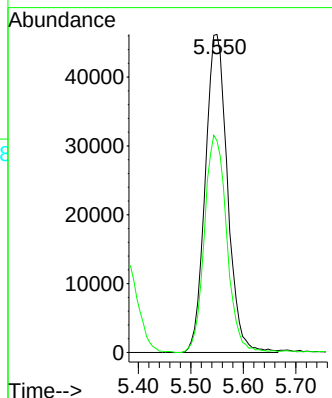
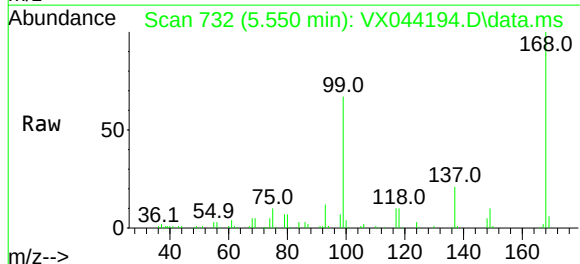
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Tgt Ion: 168 Resp: 135757
Ion Ratio Lower Upper
168 100
99 66.6 51.8 77.8

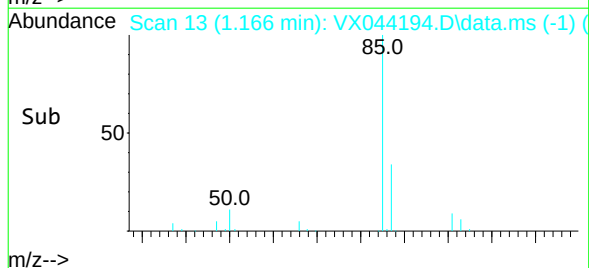
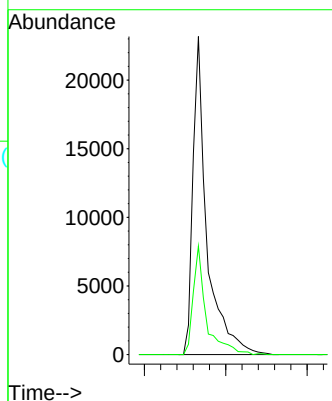
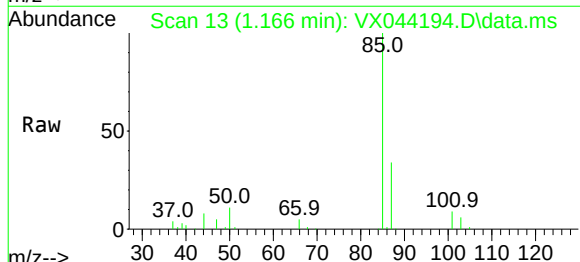
Manual Integrations
APPROVED

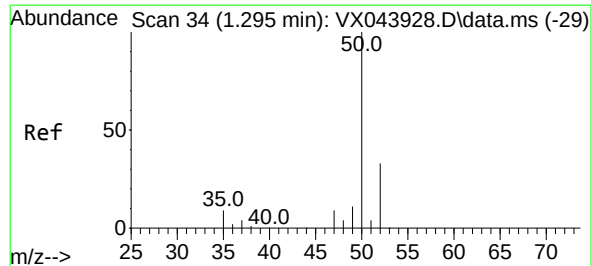
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#2
Dichlorodifluoromethane
Concen: 15.995 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 85 Resp: 27509
Ion Ratio Lower Upper
85 100
87 34.1 16.6 49.8





#3

Chloromethane

Concen: 18.099 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 50 Resp: 32755

Ion Ratio Lower Upper

50 100

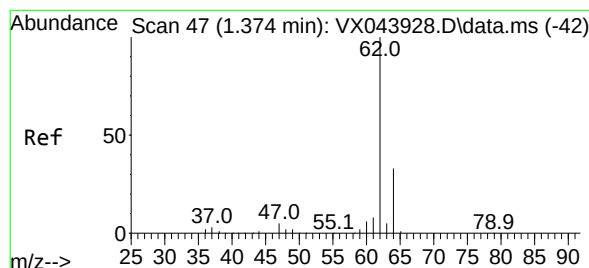
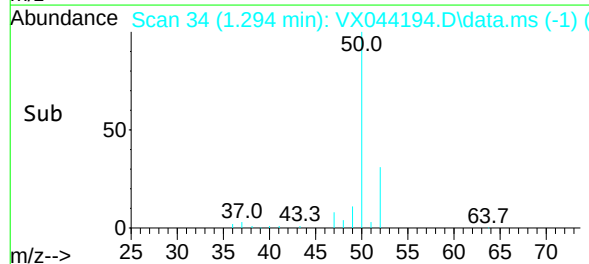
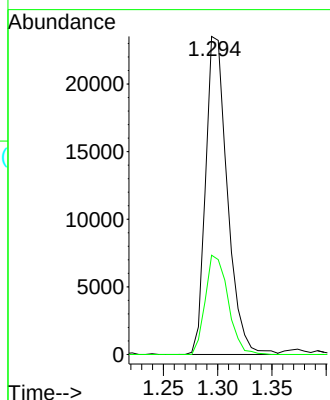
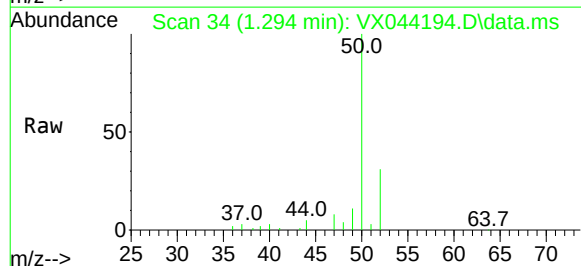
52 31.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#4

Vinyl Chloride

Concen: 18.324 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044194.D

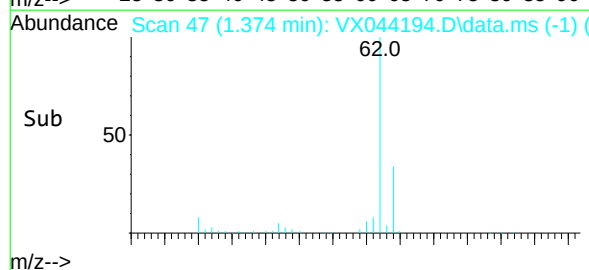
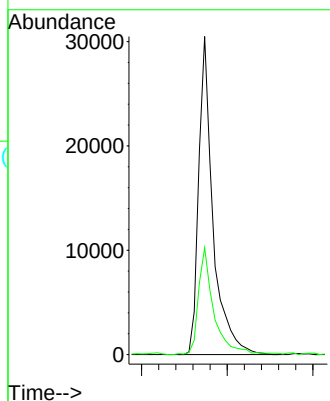
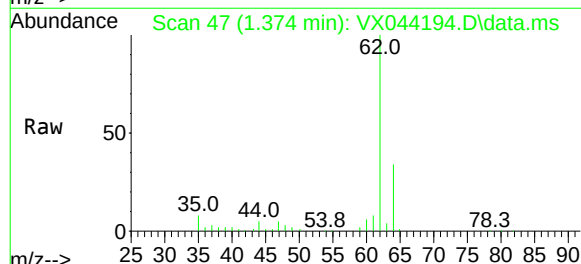
Acq: 09 Dec 2024 17:37

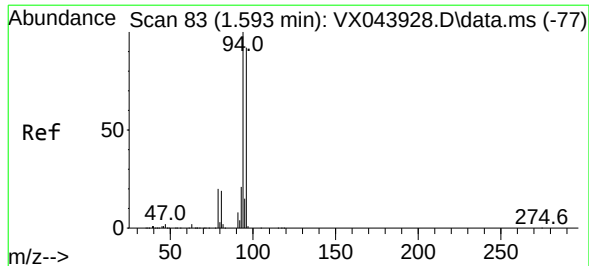
Tgt Ion: 62 Resp: 35273

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.4





#5

Bromomethane

Concen: 20.990 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 94 Resp: 24857

Ion Ratio Lower Upper

94 100

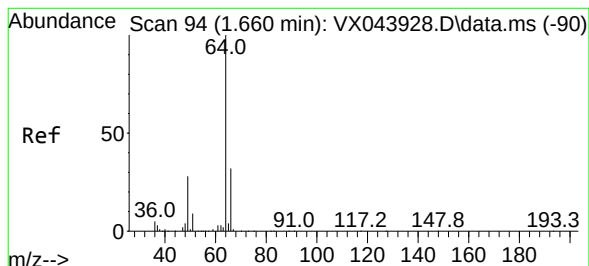
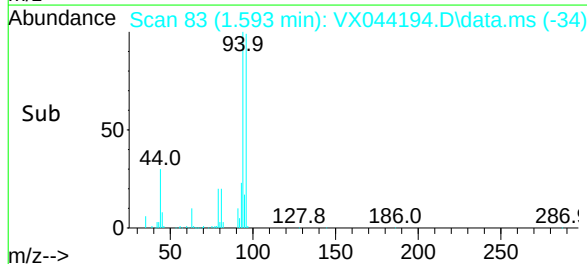
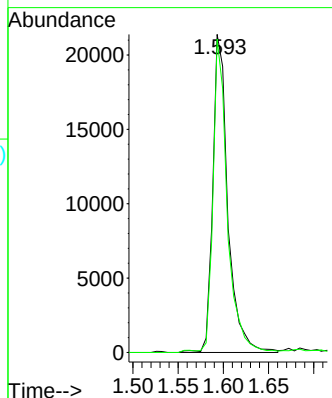
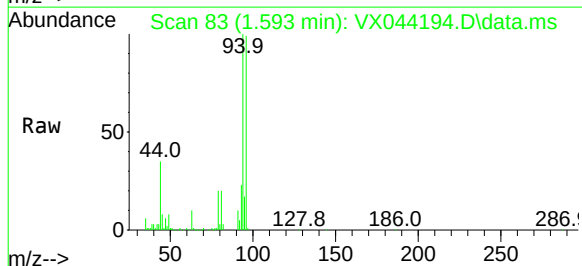
96 98.5 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#6

Chloroethane

Concen: 25.373 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044194.D

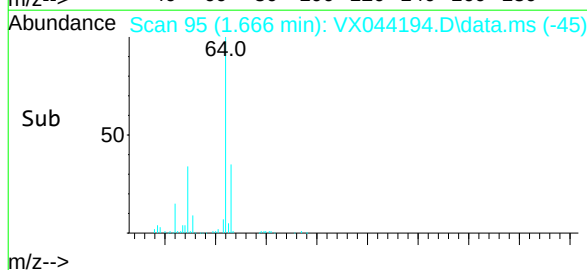
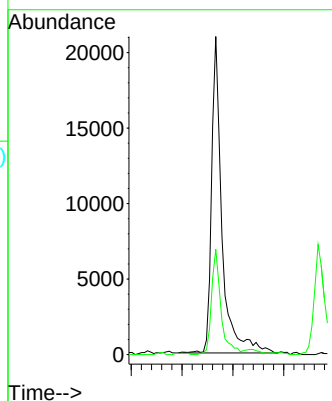
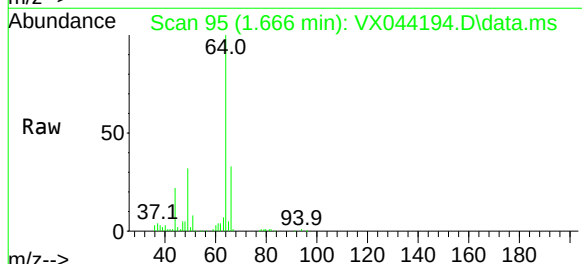
Acq: 09 Dec 2024 17:37

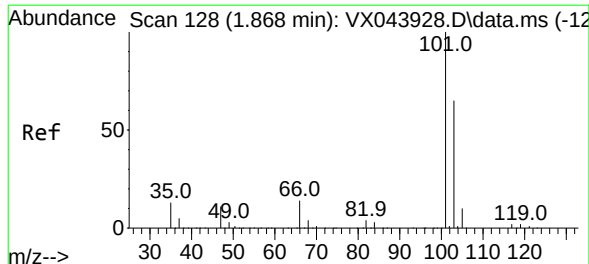
Tgt Ion: 64 Resp: 29761

Ion Ratio Lower Upper

64 100

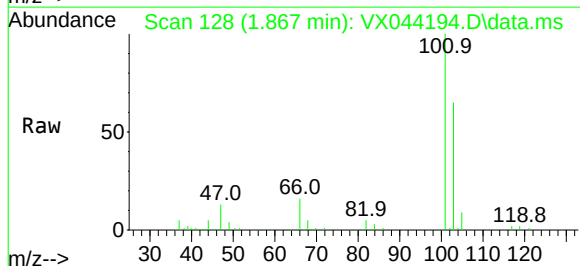
66 32.9 25.9 38.9





Trichlorofluoromethane
Concen: 19.847 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

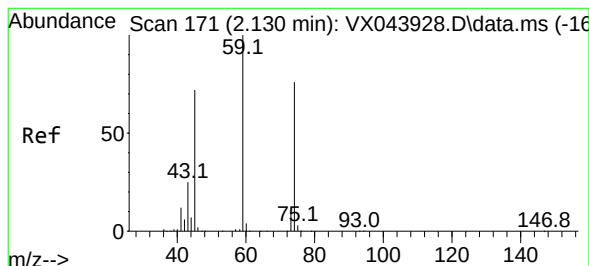
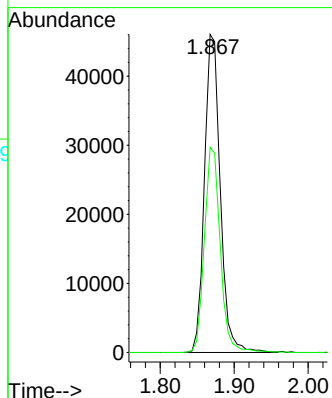
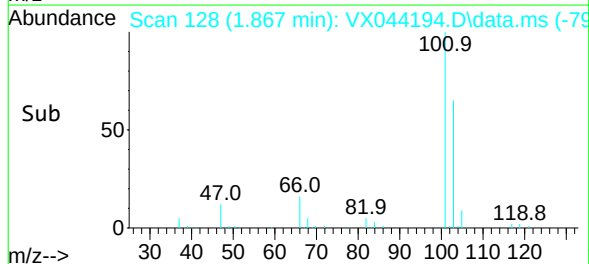
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01



Tgt Ion: 101 Resp: 68304
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2

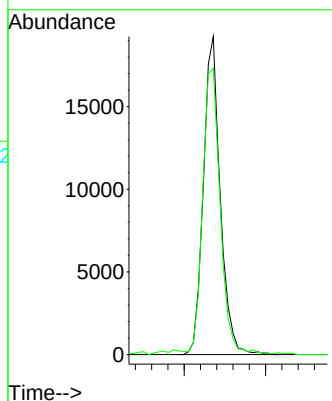
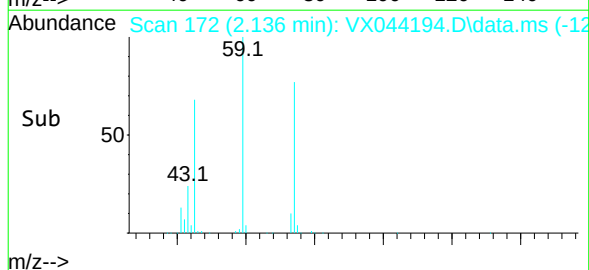
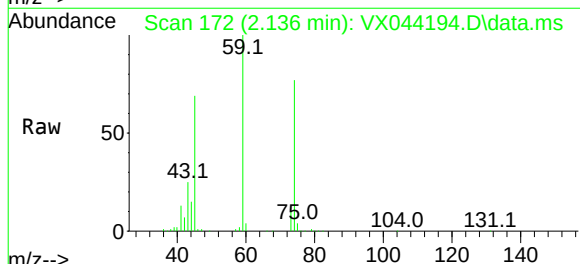
Manual Integrations
APPROVED

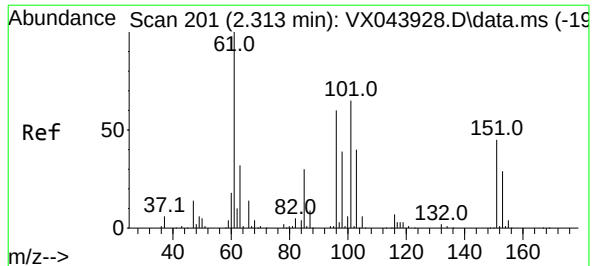
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



Diethyl Ether
Concen: 22.047 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 74 Resp: 27655
Ion Ratio Lower Upper
74 100
45 92.8 47.9 143.6





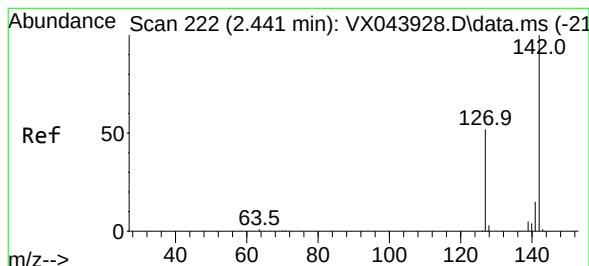
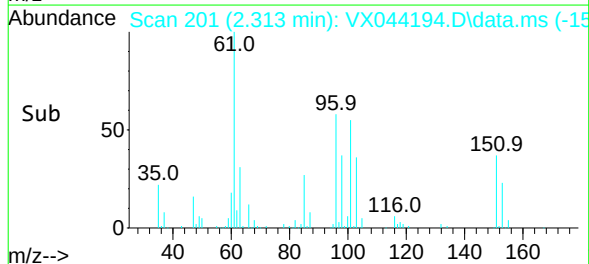
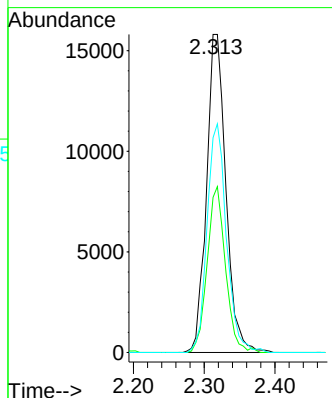
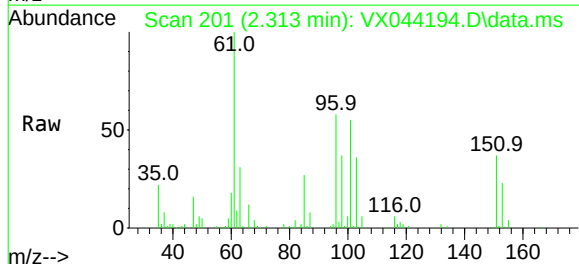
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.345 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	49.4	37.9	56.9
151	72.0	57.5	86.3

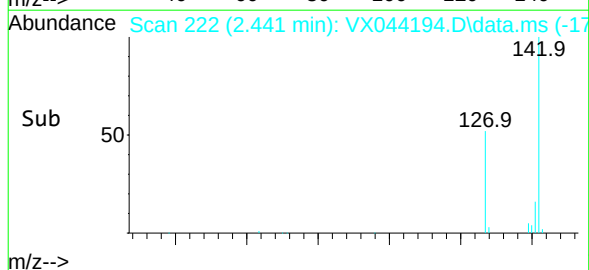
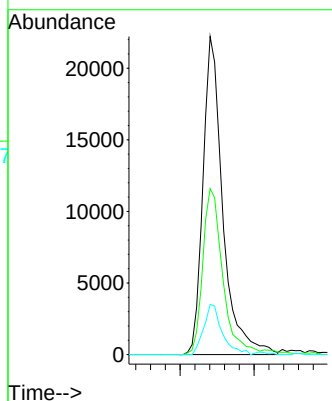
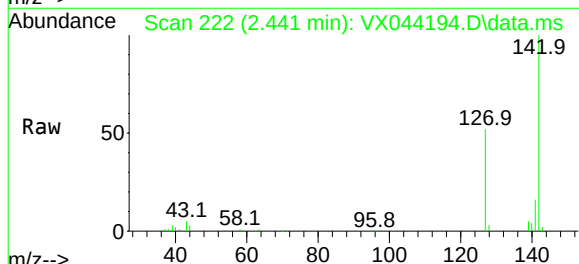
Manual Integrations
APPROVED

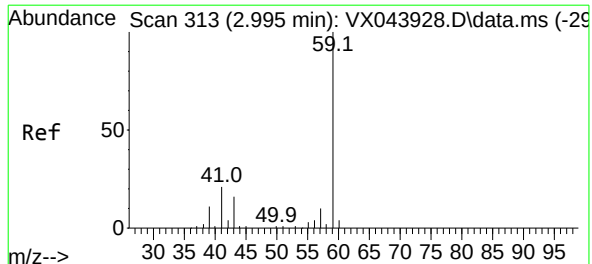
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#10
Methyl Iodide
Concen: 20.140 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.7	61.1
141	14.7	12.0	18.0





#11

Tert butyl alcohol

Concen: 102.855 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 59 Resp: 38441

Ion Ratio Lower Upper

59 100

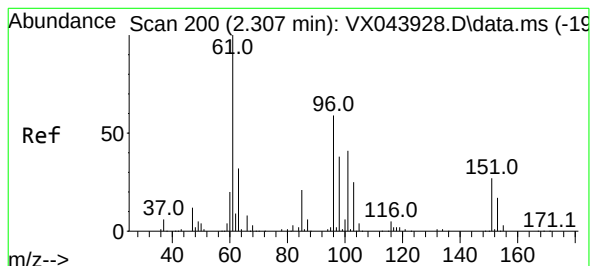
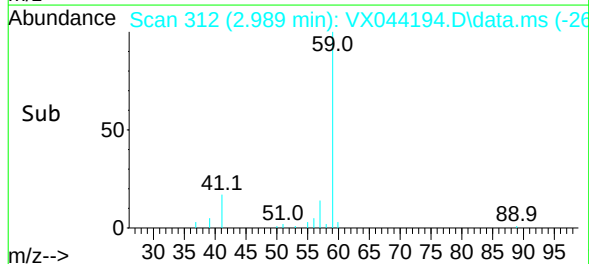
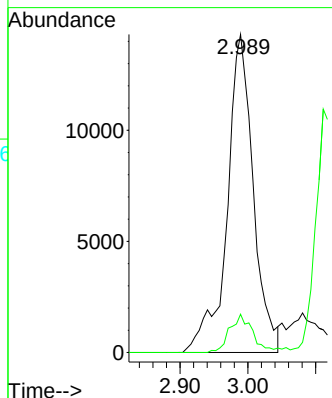
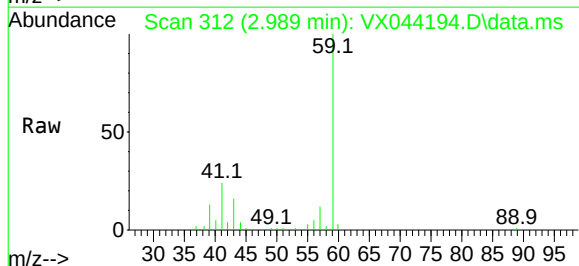
57 10.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 19.107 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

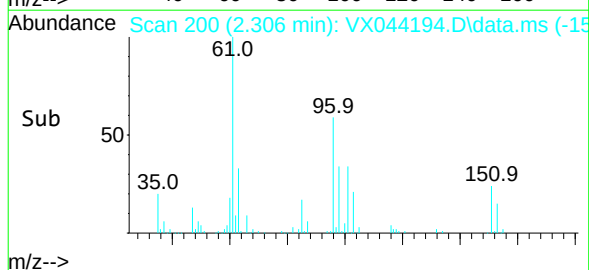
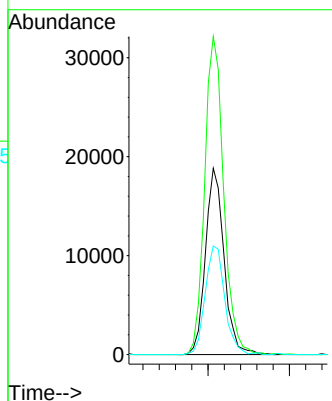
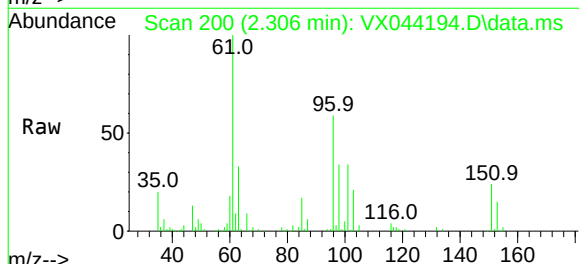
Tgt Ion: 96 Resp: 29889

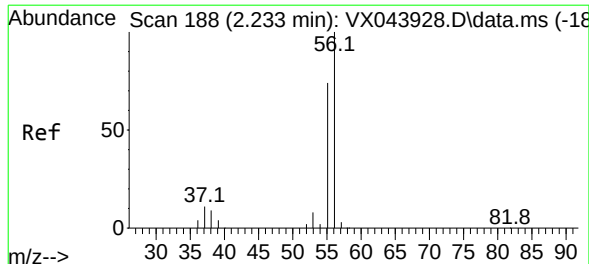
Ion Ratio Lower Upper

96 100

61 170.6 135.5 203.3

98 58.3 50.8 76.2





#13

Acrolein

Concen: 81.950 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 56 Resp: 32283

Ion Ratio Lower Upper

56 100

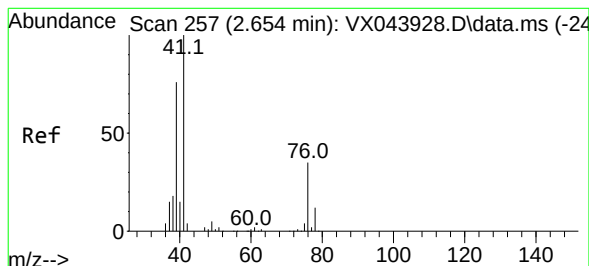
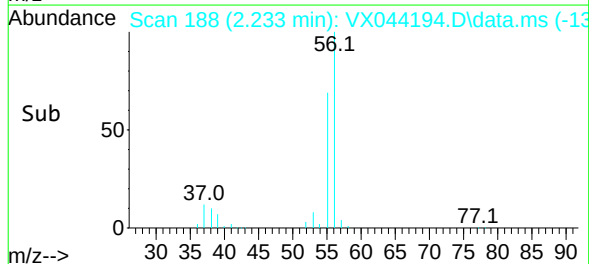
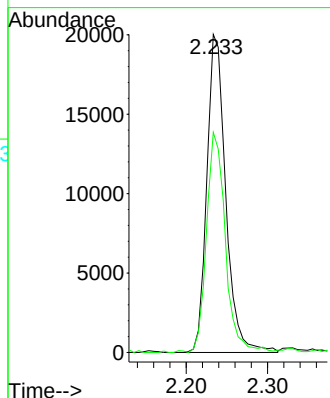
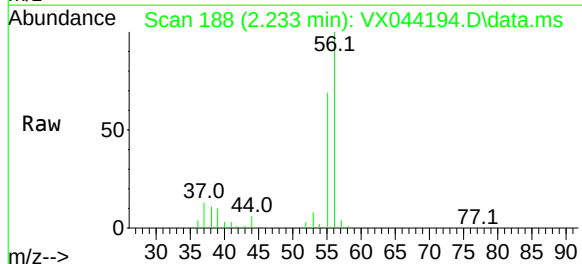
55 69.3 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 19.944 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

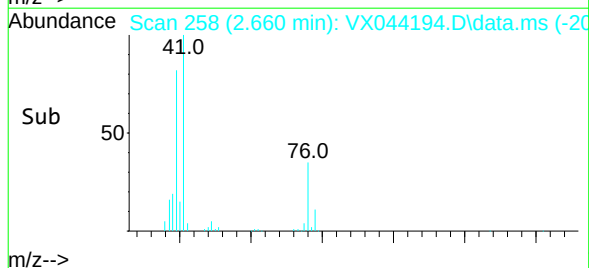
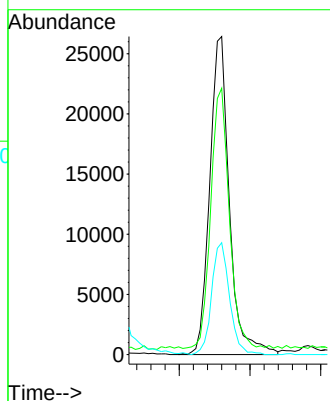
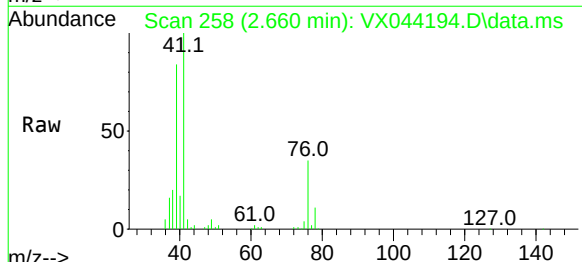
Tgt Ion: 41 Resp: 50978

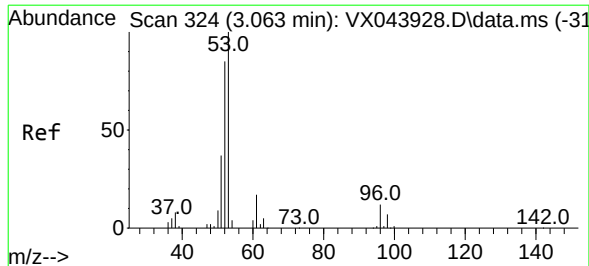
Ion Ratio Lower Upper

41 100

39 77.0 59.5 89.3

76 32.0 27.4 41.2





#15

Acrylonitrile

Concen: 110.322 ug/l

RT: 3.068 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

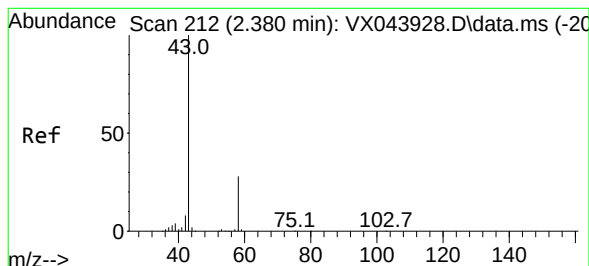
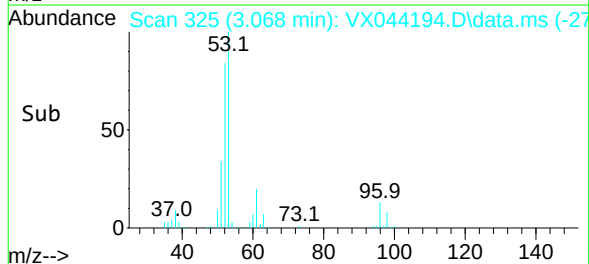
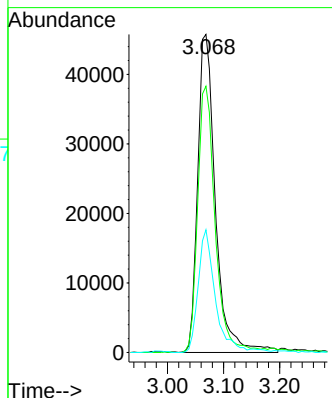
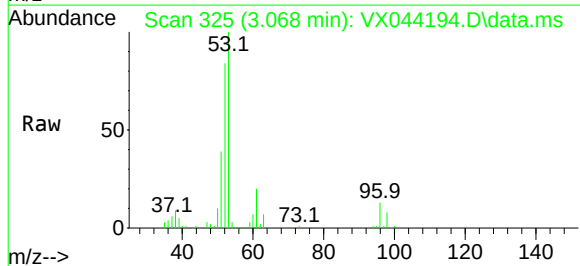
ClientSampleId :

VX1209WBSD01

Tgt Ion:	53	Resp:	100479
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	36.9	30.2	45.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#16

Acetone

Concen: 102.392 ug/l

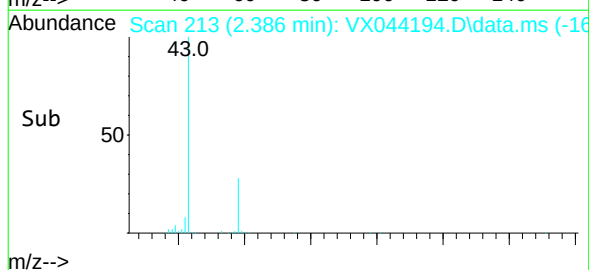
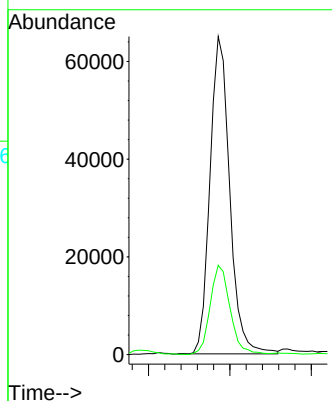
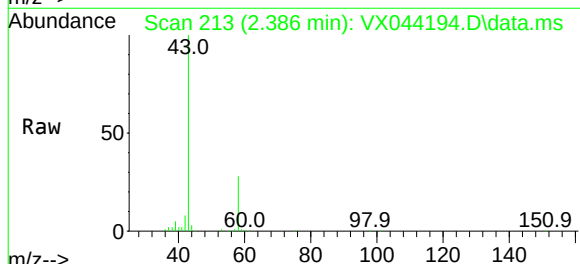
RT: 2.386 min Scan# 213

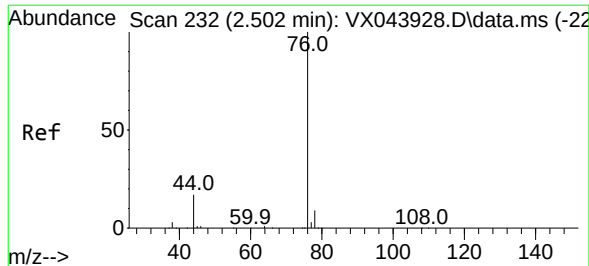
Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:	43	Resp:	109503
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.7	34.1





#17

Carbon Disulfide

Concen: 13.770 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 76 Resp: 44433

Ion Ratio Lower Upper

76 100

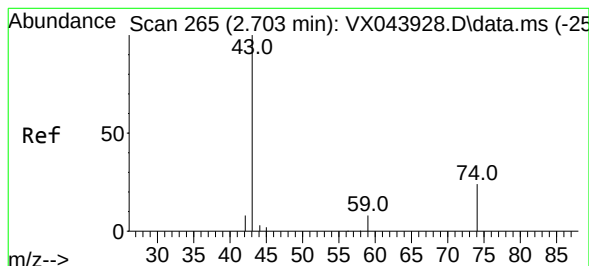
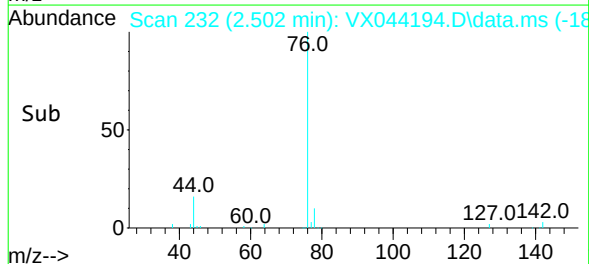
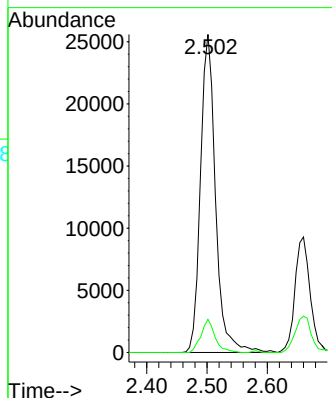
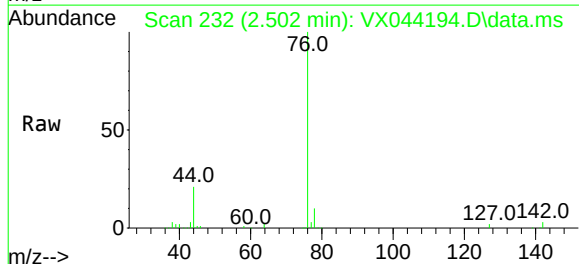
78 10.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#18

Methyl Acetate

Concen: 21.484 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX044194.D

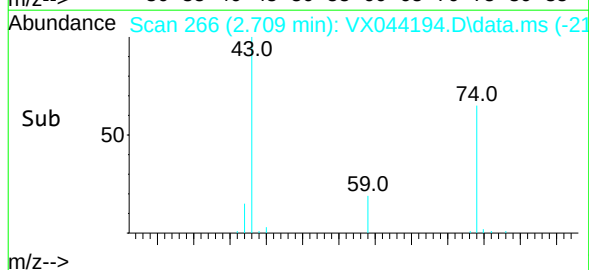
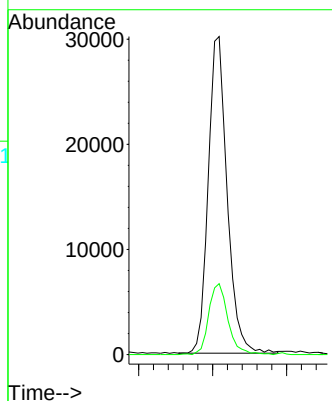
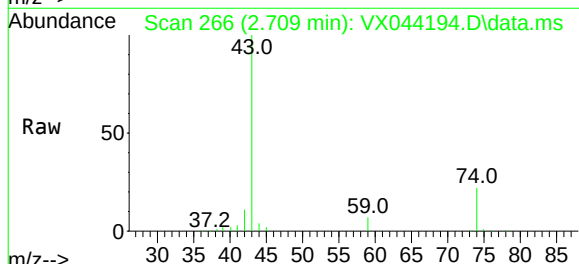
Acq: 09 Dec 2024 17:37

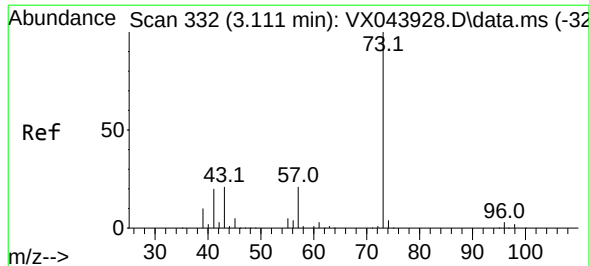
Tgt Ion: 43 Resp: 53505

Ion Ratio Lower Upper

43 100

74 22.8 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 21.944 ug/l

RT: 3.117 min Scan# 33

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 73 Resp: 124639

Ion Ratio Lower Upper

73 100

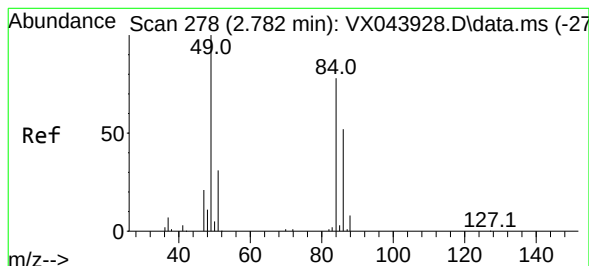
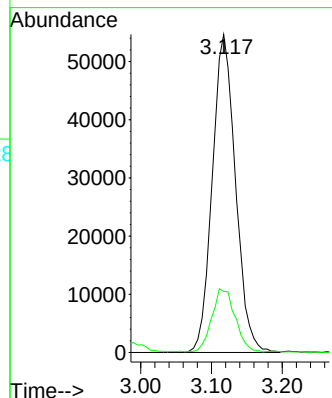
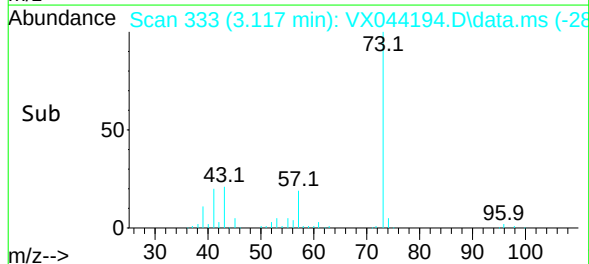
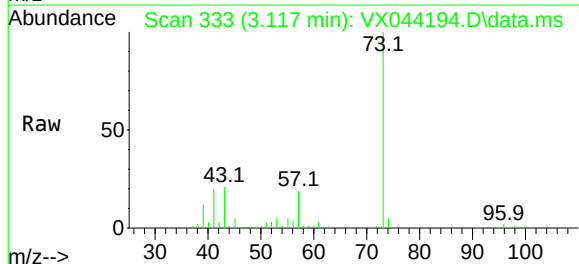
57 18.9 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 19.940 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion: 84 Resp: 36188

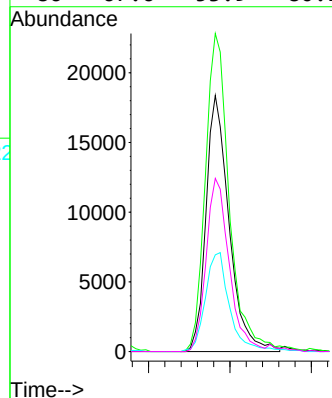
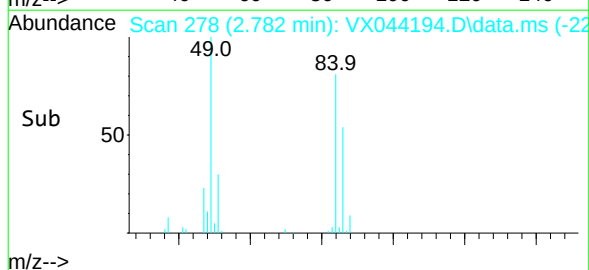
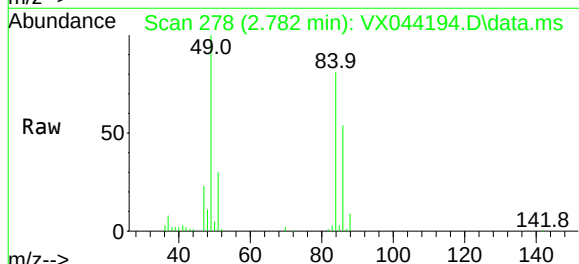
Ion Ratio Lower Upper

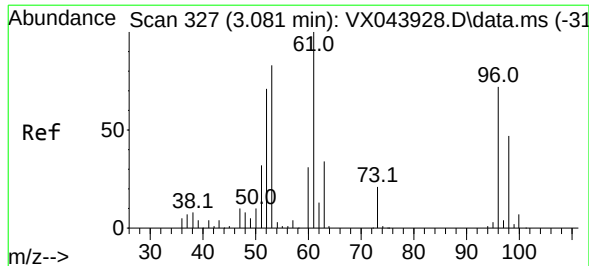
84 100

49 124.2 102.7 154.1

51 37.8 31.7 47.5

86 67.6 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 19.504 ug/l

RT: 3.081 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 96 Resp: 31501

Ion Ratio Lower Upper

96 100

61 138.2 111.8 167.6

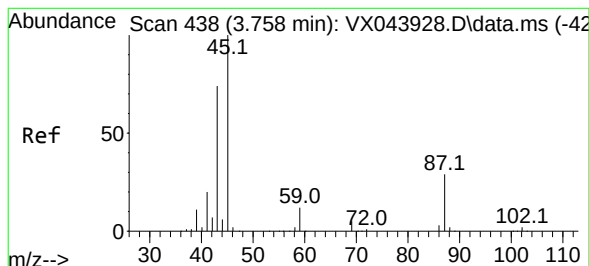
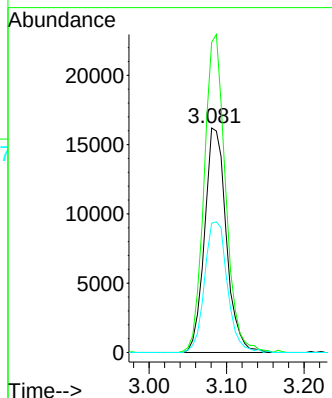
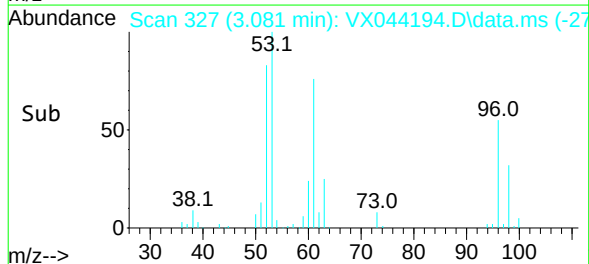
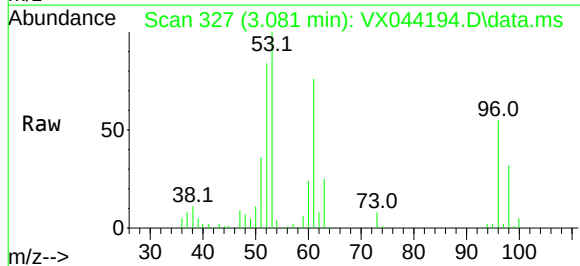
98 57.6 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#22

Diisopropyl ether

Concen: 22.043 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion: 45 Resp: 120480

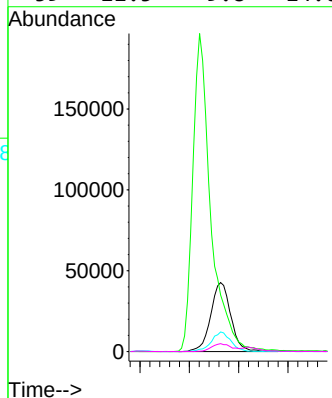
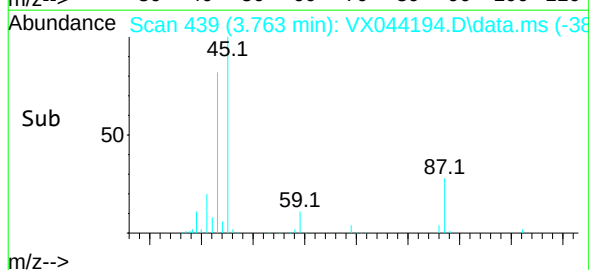
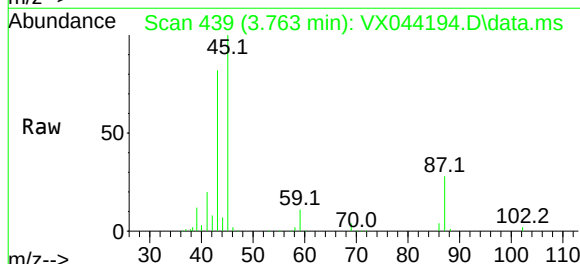
Ion Ratio Lower Upper

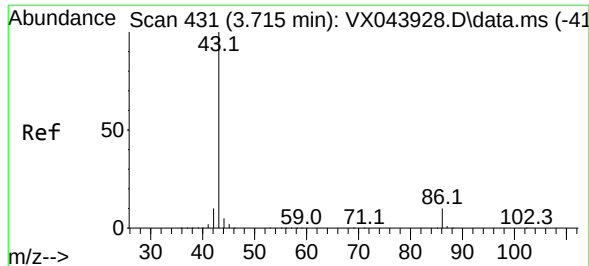
45 100

43 81.2 59.6 89.4

87 28.4 22.9 34.3

59 11.5 9.8 14.6





#23

Vinyl Acetate

Concen: 106.772 ug/l

RT: 3.721 min Scan# 431

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 43 Resp: 499223

Ion Ratio Lower Upper

43 100

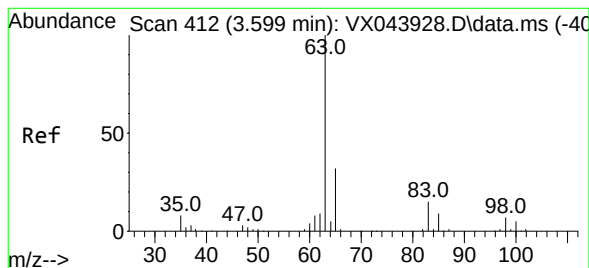
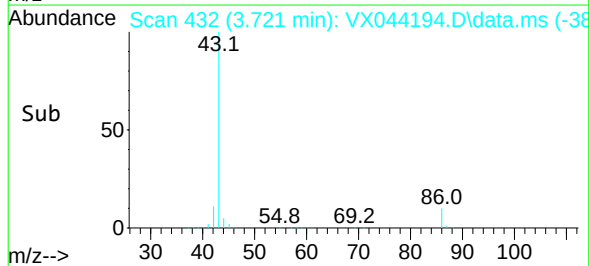
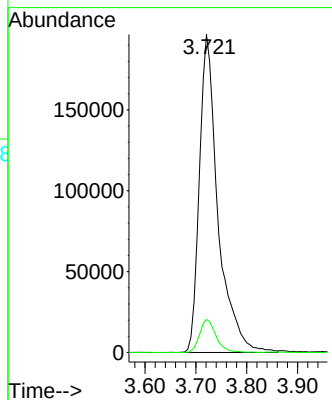
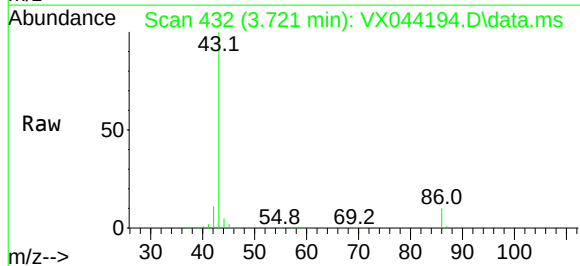
86 10.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 21.208 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

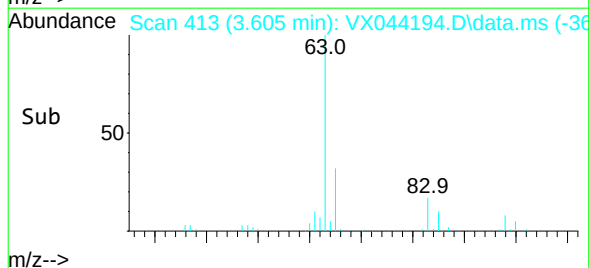
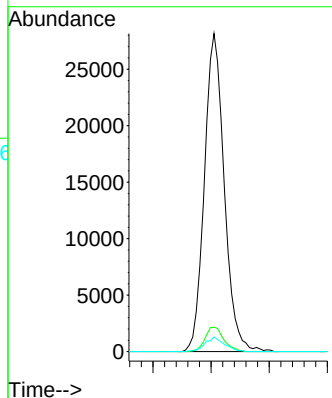
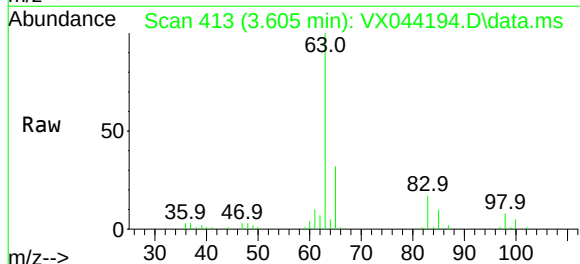
Tgt Ion: 63 Resp: 66871

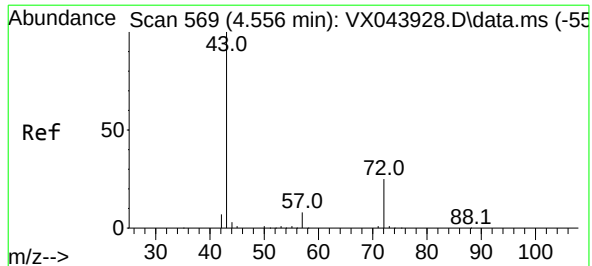
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 111.678 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 154107

Ion Ratio Lower Upper

43 100

72 25.0 20.2 30.2

Instrument :

MSVOA_X

ClientSampleId :

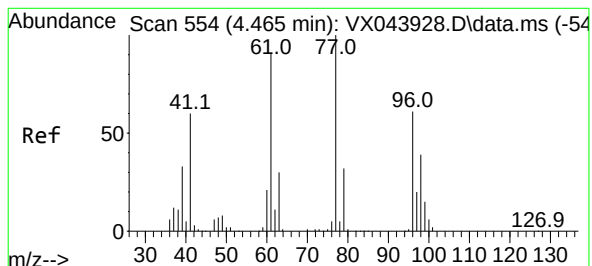
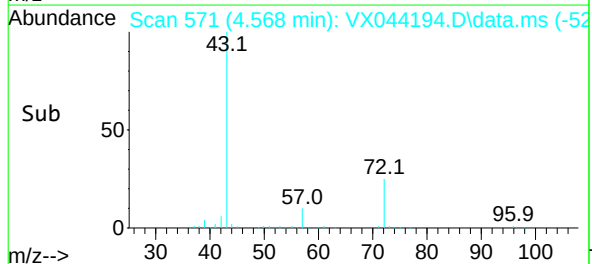
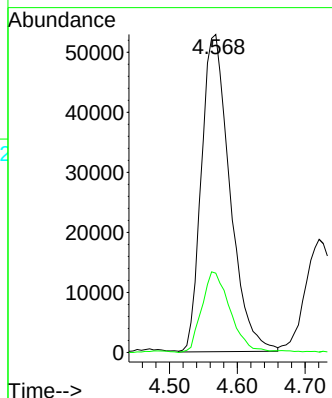
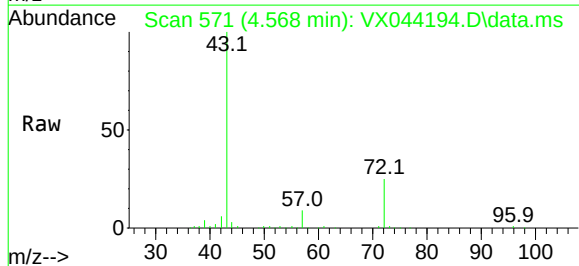
VX1209WBSD01

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#26

2,2-Dichloropropane

Concen: 20.046 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX044194.D

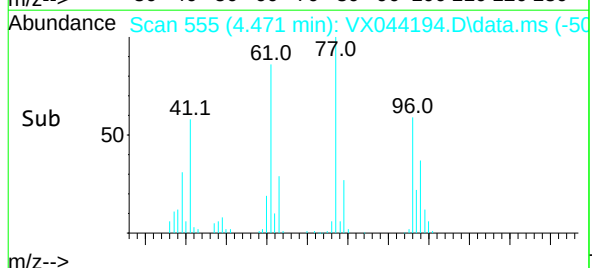
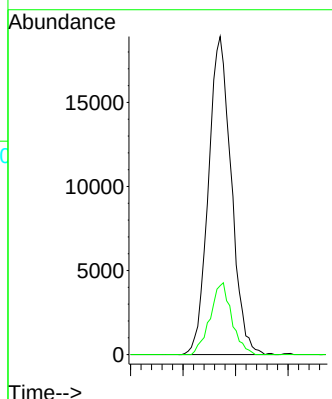
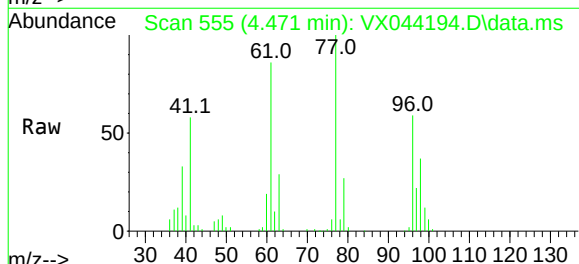
Acq: 09 Dec 2024 17:37

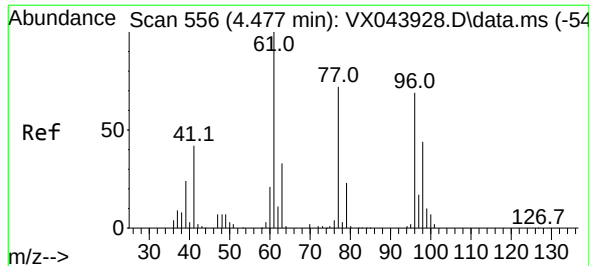
Tgt Ion: 77 Resp: 57084

Ion Ratio Lower Upper

77 100

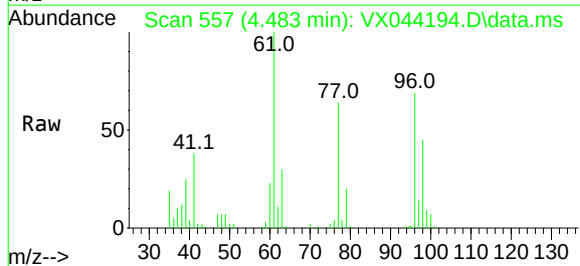
97 21.3 10.8 32.3





#27
cis-1,2-Dichloroethene
Concen: 21.285 ug/l
RT: 4.483 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

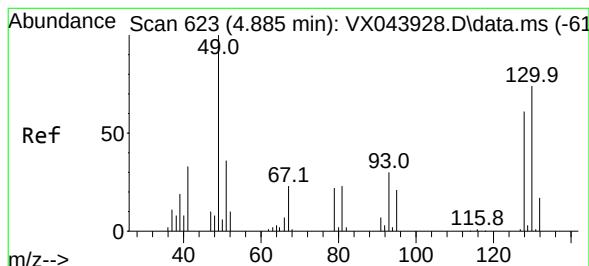
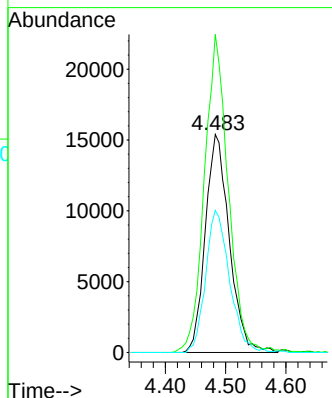
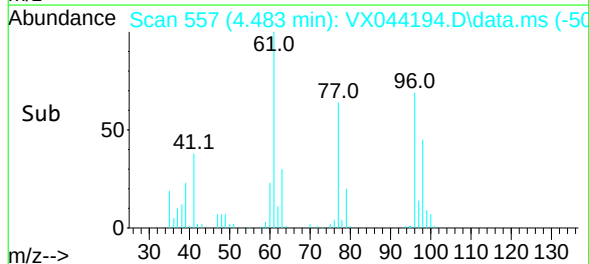
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01



Tgt Ion: 96 Resp: 42493
Ion Ratio Lower Upper
96 100
61 145.8 0.0 297.4
98 65.1 0.0 127.8

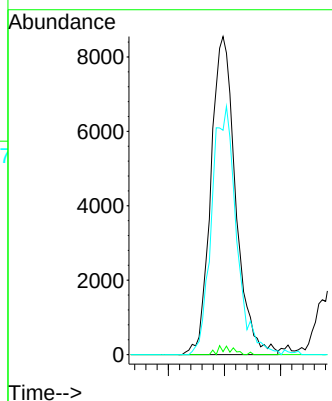
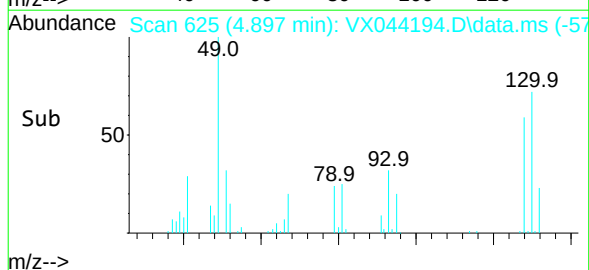
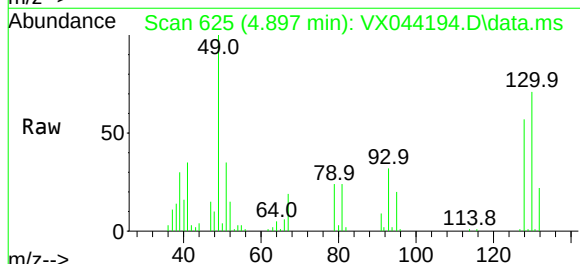
Manual Integrations
APPROVED

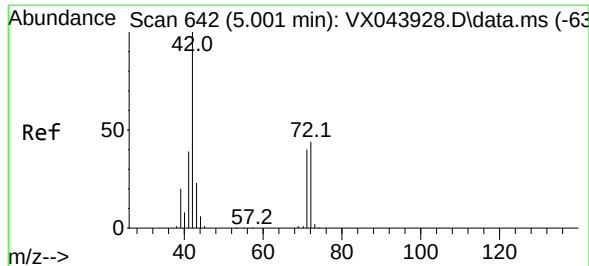
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#28
Bromochloromethane
Concen: 18.884 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 49 Resp: 26209
Ion Ratio Lower Upper
49 100
129 0.6 0.0 4.0
130 78.2 59.0 88.6





#29

Tetrahydrofuran

Concen: 112.677 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 42 Resp: 95322

Ion Ratio Lower Upper

42 100

72 43.6 36.4 54.6

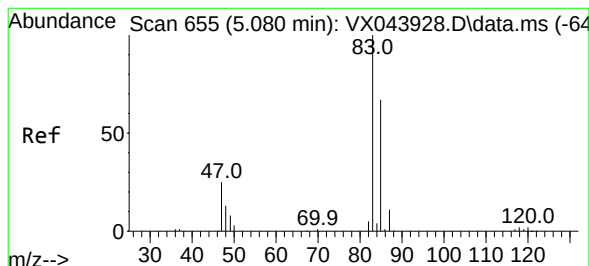
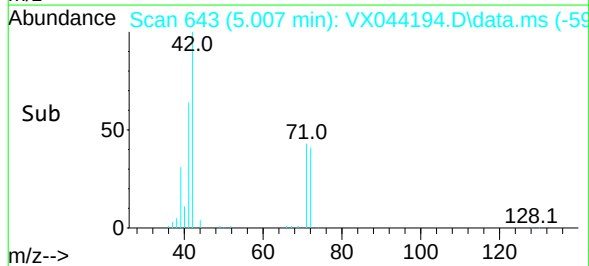
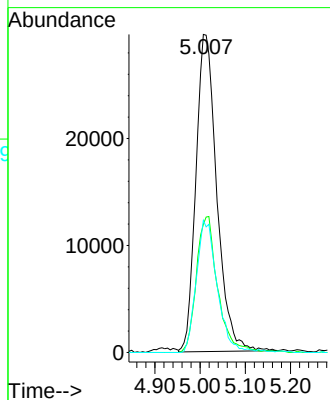
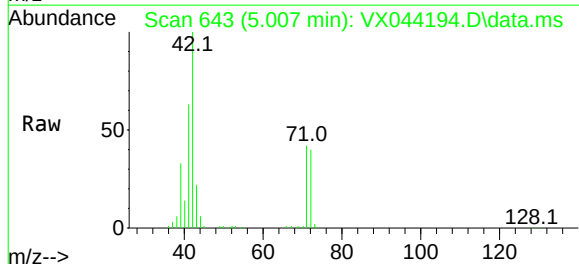
71 41.4 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 22.344 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044194.D

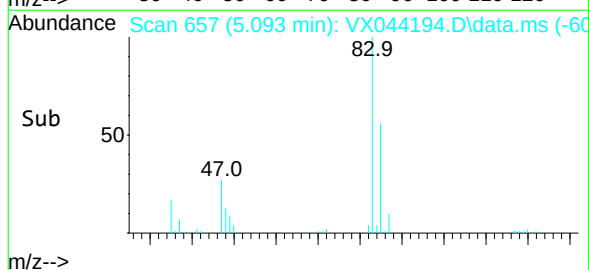
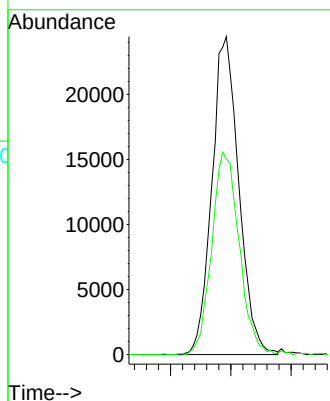
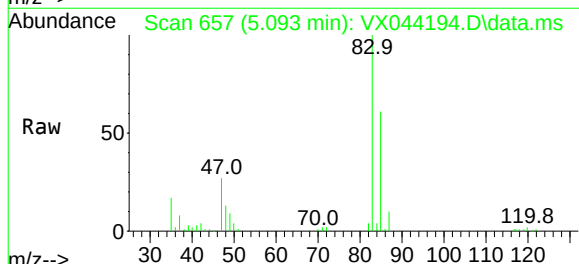
Acq: 09 Dec 2024 17:37

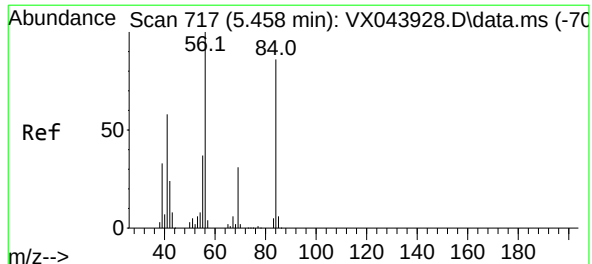
Tgt Ion: 83 Resp: 75775

Ion Ratio Lower Upper

83 100

85 61.2 53.5 80.3





#31

Cyclohexane

Concen: 18.811 ug/l

RT: 5.464 min Scan# 717

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 56 Resp: 48818

Ion Ratio Lower Upper

56 100

69 29.5 24.7 37.1

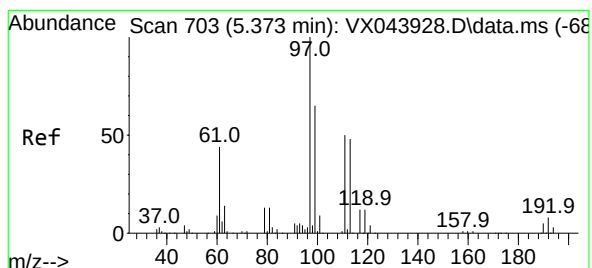
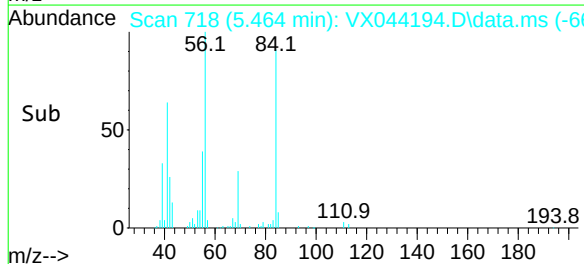
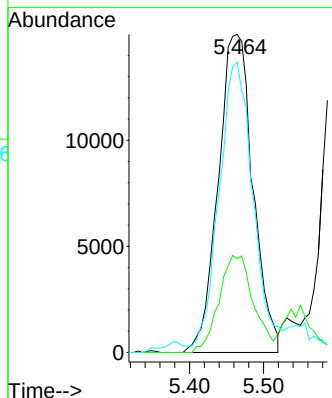
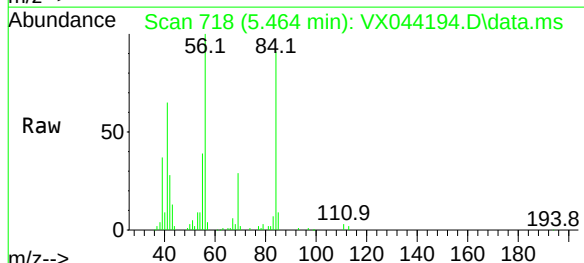
84 88.5 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 21.257 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

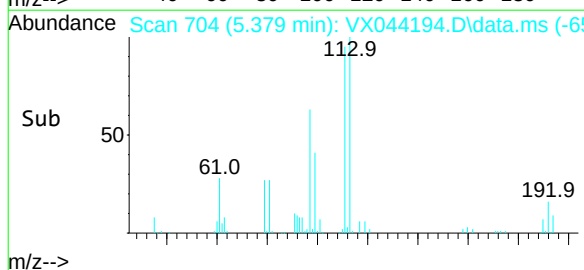
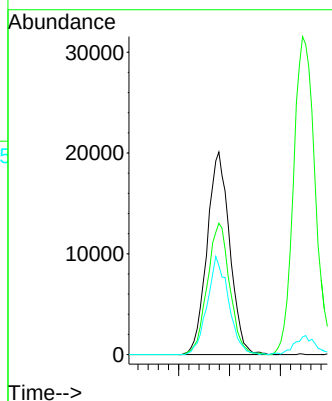
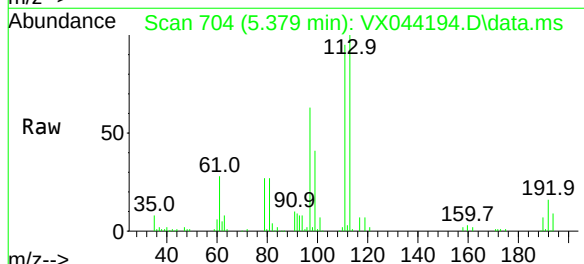
Tgt Ion: 97 Resp: 62168

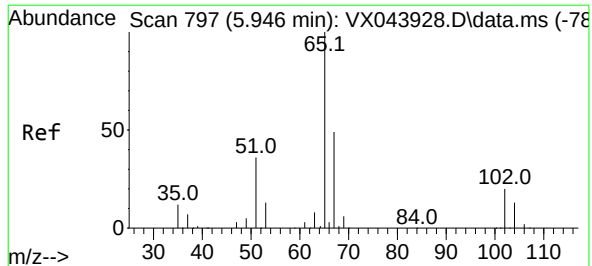
Ion Ratio Lower Upper

97 100

99 63.9 50.8 76.2

61 45.6 35.4 53.2





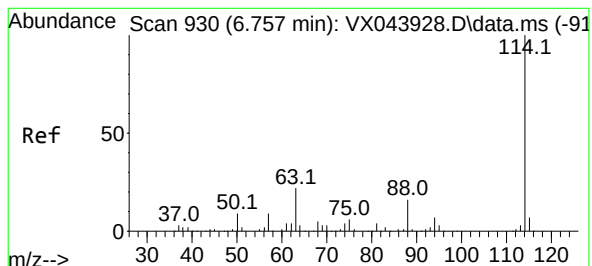
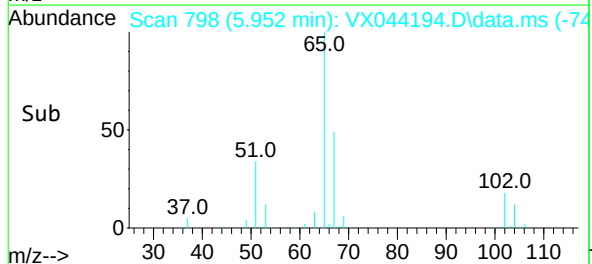
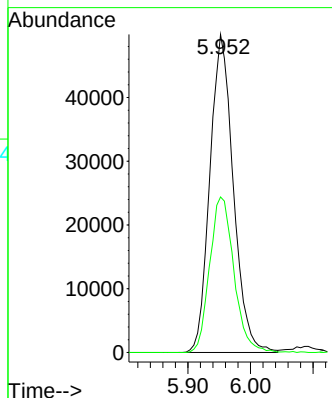
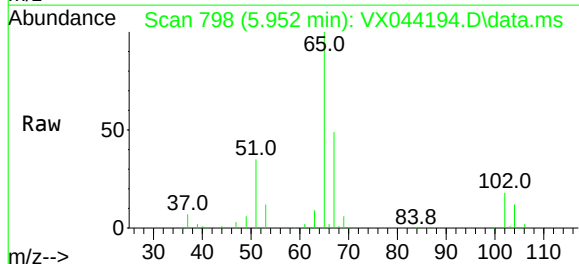
#33
1,2-Dichloroethane-d4
Concen: 55.739 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Tgt Ion: 65 Resp: 129787
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.8

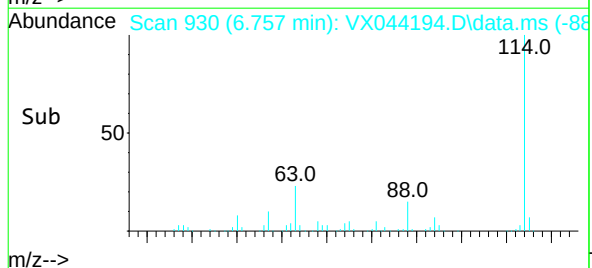
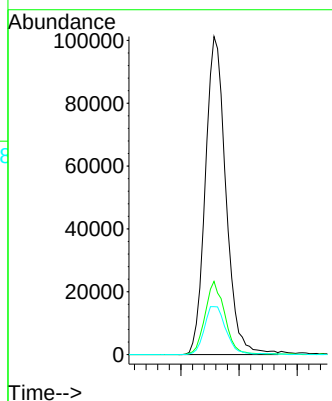
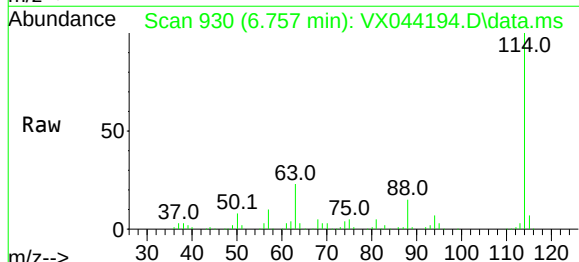
Manual Integrations
APPROVED

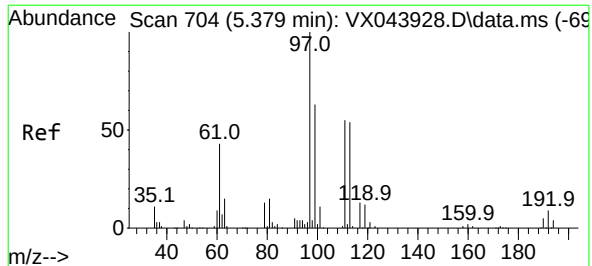
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:114 Resp: 248673
Ion Ratio Lower Upper
114 100
63 23.0 0.0 44.0
88 15.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.041 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

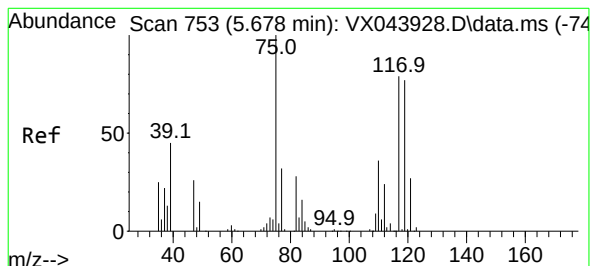
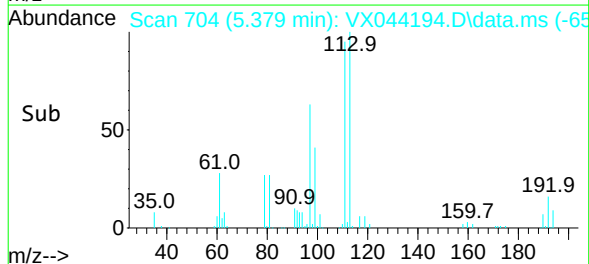
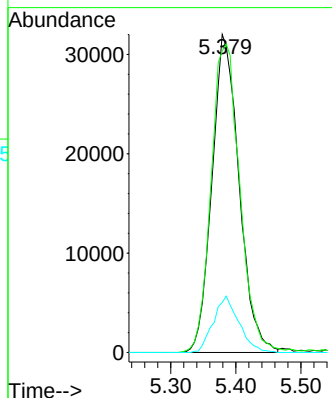
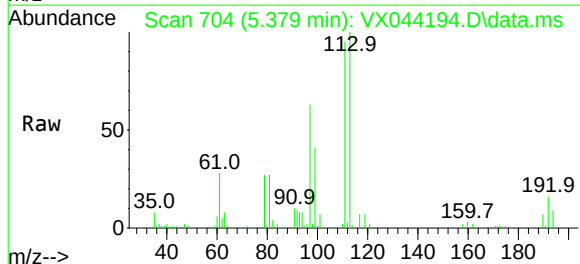
ClientSampleId :

VX1209WBSD01

Tgt Ion:	113	Resp:	92471
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	16.7	13.0	19.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#36

1,1-Dichloropropene

Concen: 19.838 ug/l

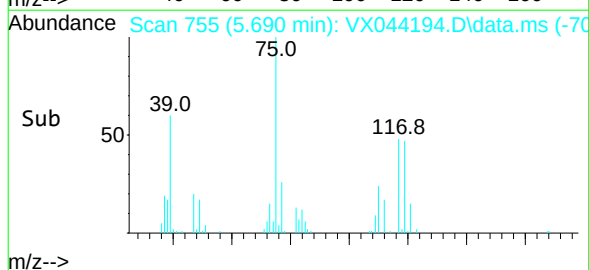
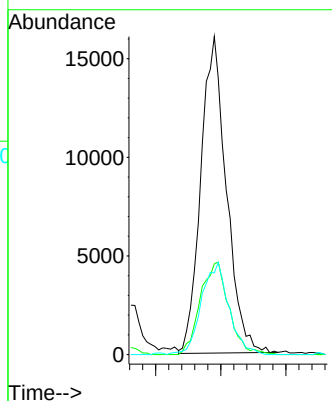
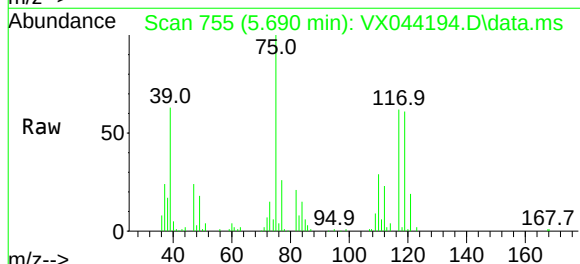
RT: 5.690 min Scan# 755

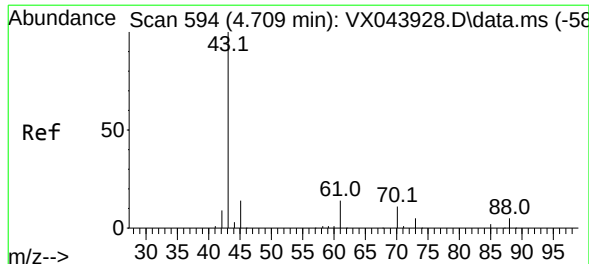
Delta R.T. 0.012 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:	75	Resp:	43925
Ion	Ratio	Lower	Upper
75	100		
110	32.5	17.4	52.2
77	31.1	25.8	38.8





#37

Ethyl Acetate

Concen: 20.961 ug/l

RT: 4.721 min Scan# 59

Delta R.T. 0.012 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

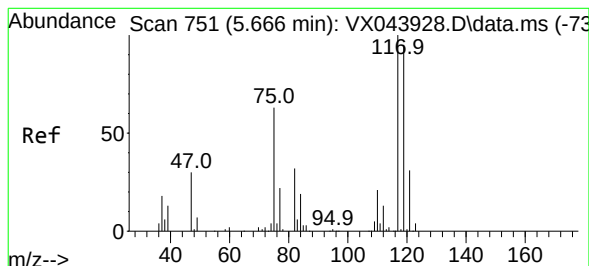
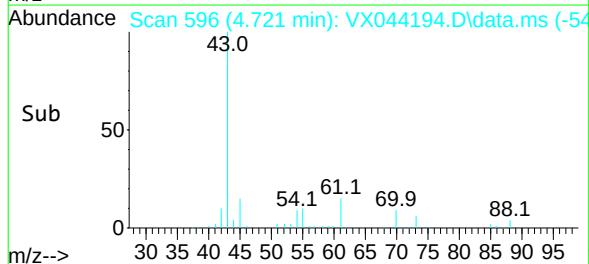
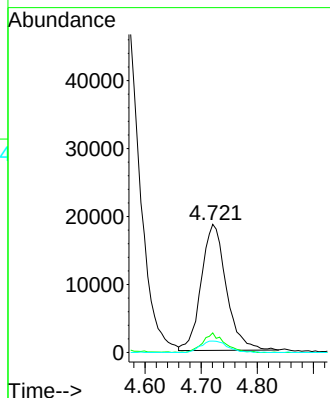
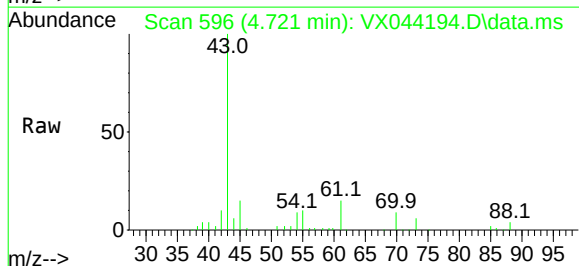
ClientSampleId :

VX1209WBSD01

Tgt Ion:	43	Resp:	57613
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.7	8.0	12.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#38

Carbon Tetrachloride

Concen: 19.358 ug/l

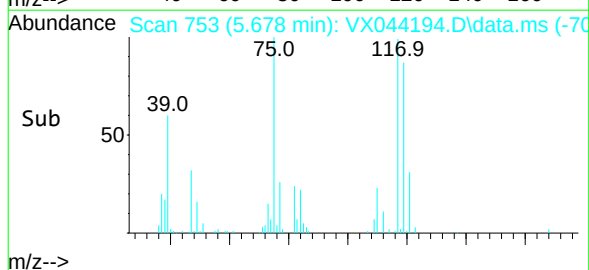
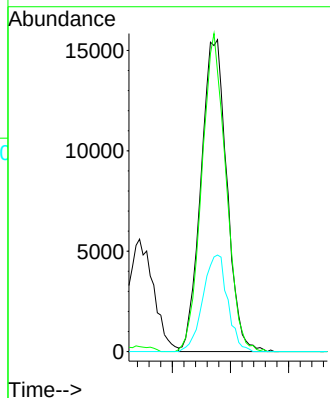
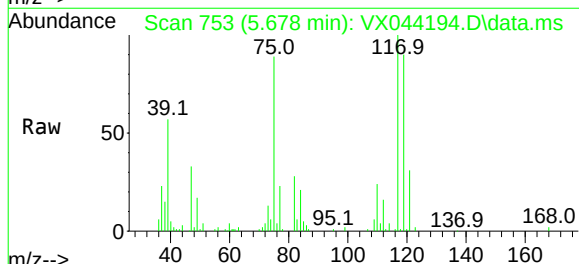
RT: 5.678 min Scan# 753

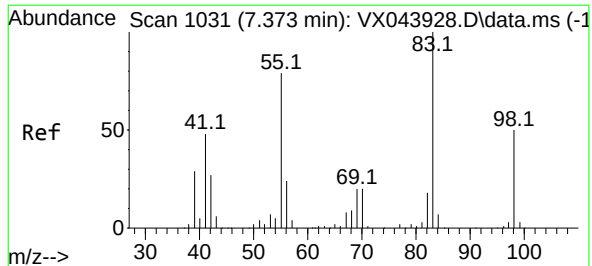
Delta R.T. 0.012 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:	117	Resp:	48162
Ion	Ratio	Lower	Upper
117	100		
119	89.8	75.2	112.8
121	30.9	24.5	36.7





#39

Methylcyclohexane

Concen: 18.397 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 83 Resp: 52919

Ion Ratio Lower Upper

83 100

55 71.1 63.1 94.7

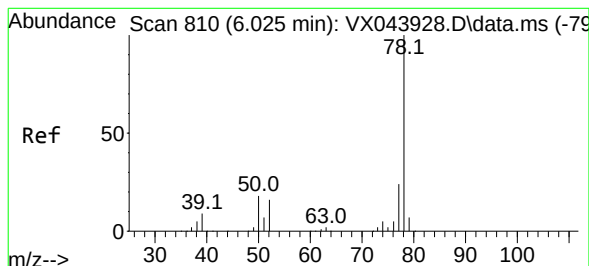
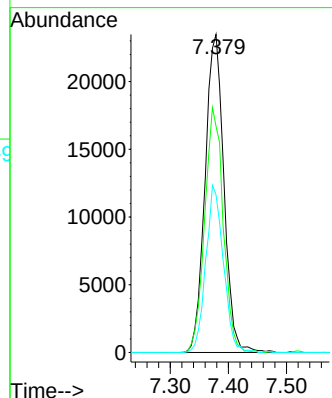
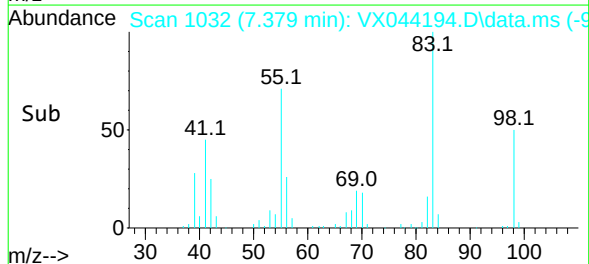
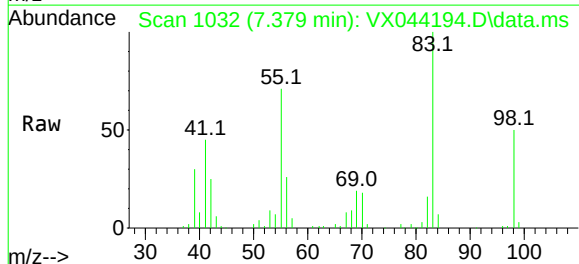
98 49.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 20.242 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044194.D

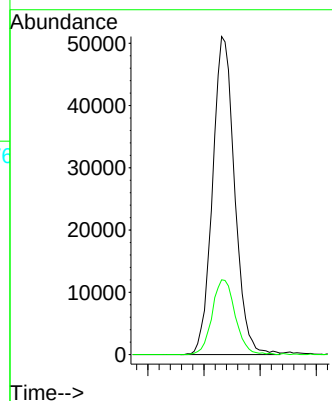
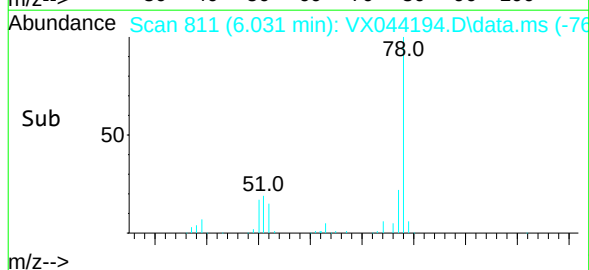
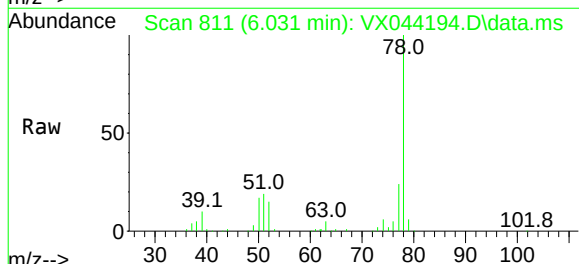
Acq: 09 Dec 2024 17:37

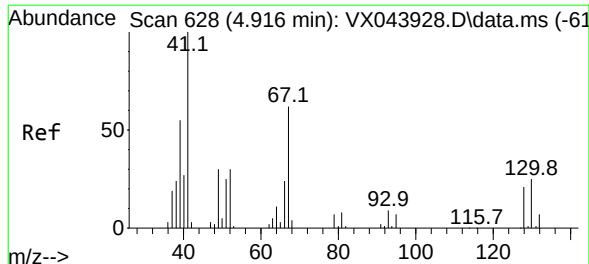
Tgt Ion: 78 Resp: 139613

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8





#41

Methacrylonitrile

Concen: 22.901 ug/l

RT: 4.922 min Scan# 62

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 41 Resp: 32217

Ion Ratio Lower Upper

41 100

39 57.4 41.7 62.5

67 67.1 55.8 83.8

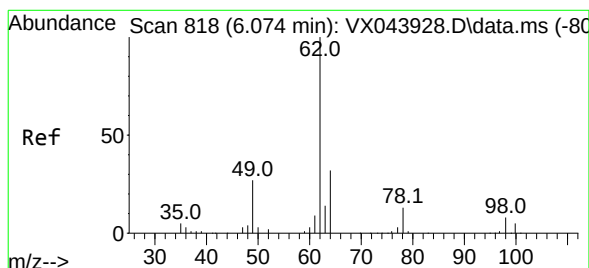
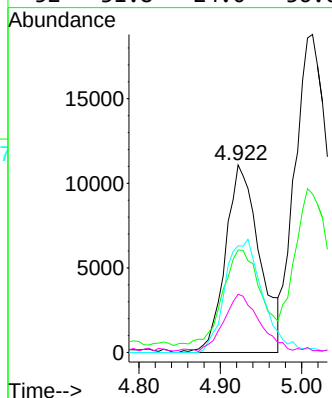
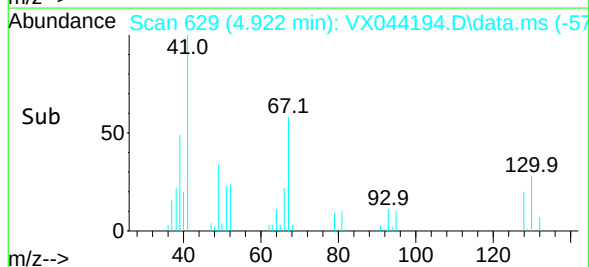
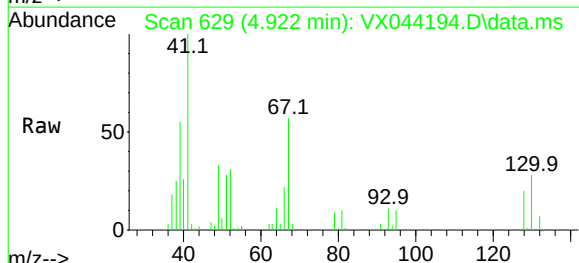
52 31.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 21.488 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.012 min

Lab File: VX044194.D

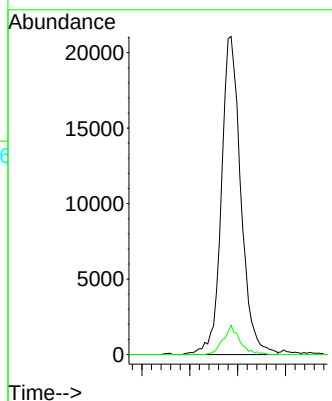
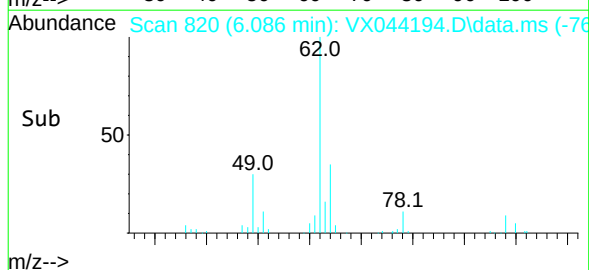
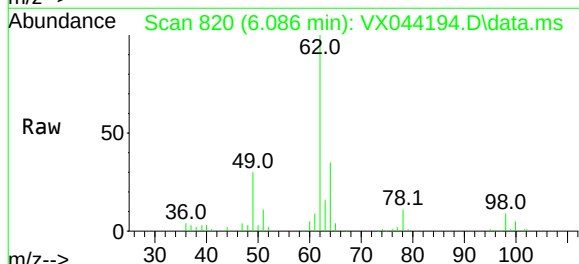
Acq: 09 Dec 2024 17:37

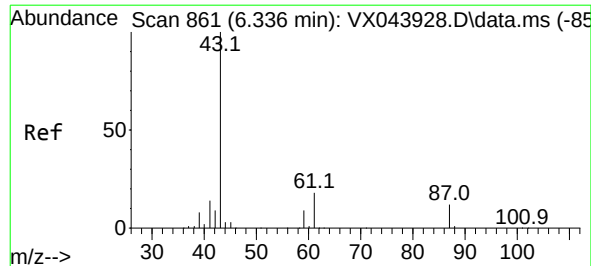
Tgt Ion: 62 Resp: 59522

Ion Ratio Lower Upper

62 100

98 7.9 0.0 16.4





#43

Isopropyl Acetate

Concen: 21.416 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

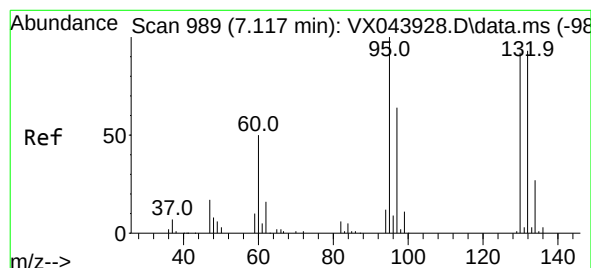
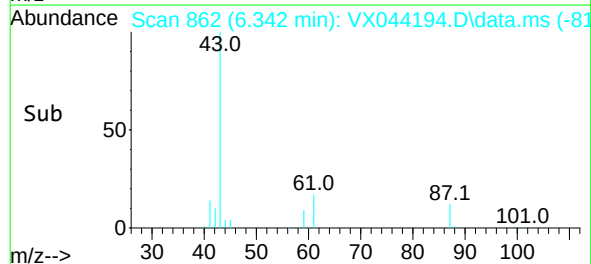
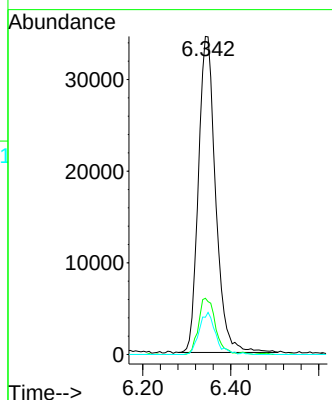
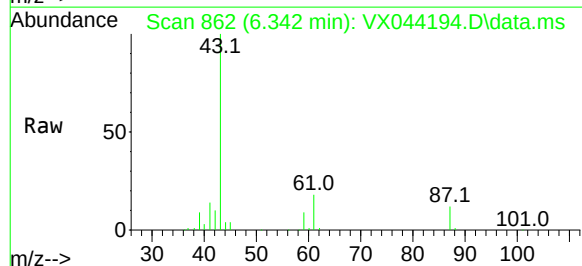
ClientSampleId :

VX1209WBSD01

Tgt Ion:	43	Resp:	93678
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.5	21.7
87	12.7	10.2	15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

Concen: 17.932 ug/l

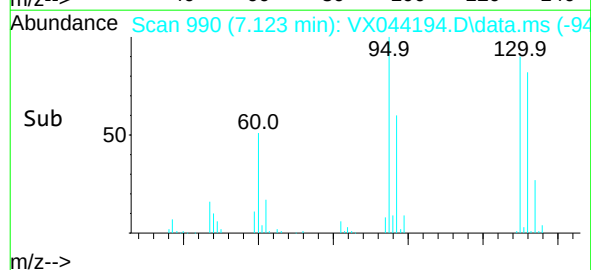
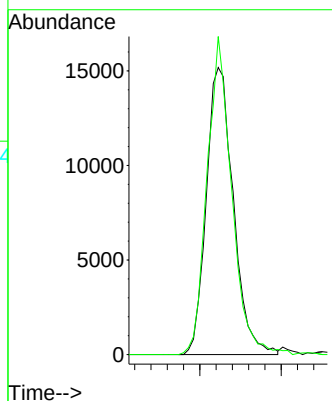
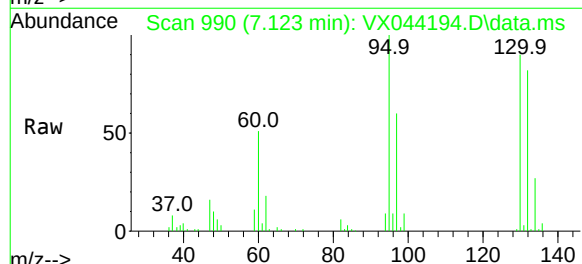
RT: 7.123 min Scan# 990

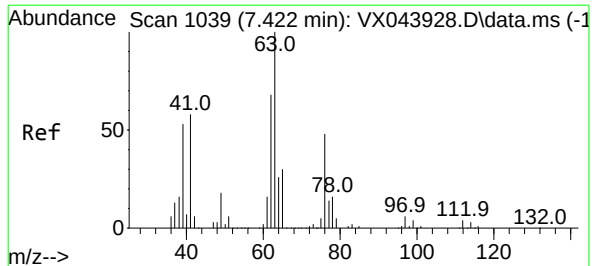
Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:	130	Resp:	35012
Ion	Ratio	Lower	Upper
130	100		
95	110.8	0.0	217.8





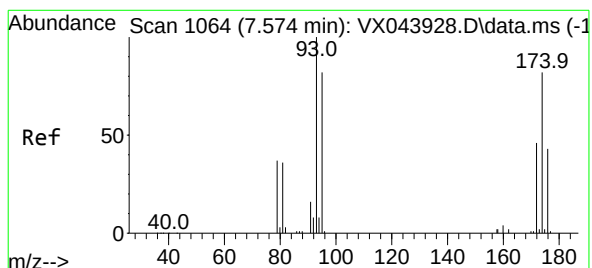
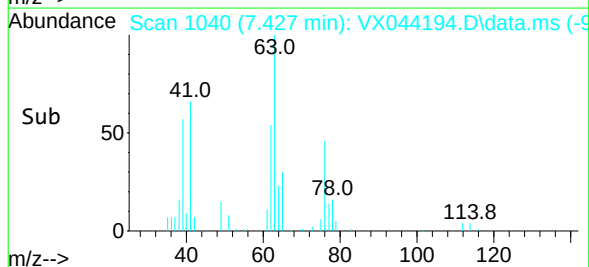
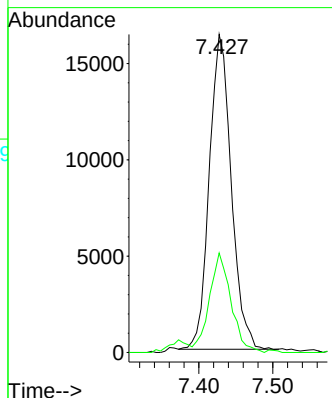
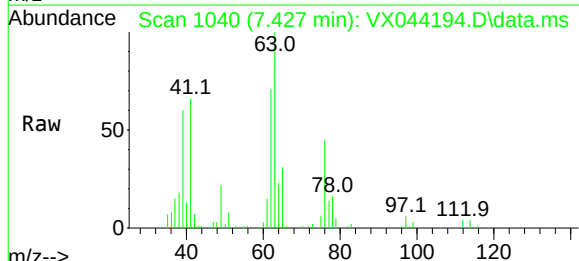
#45
1,2-Dichloropropane
Concen: 19.955 ug/l
RT: 7.427 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Tgt Ion: 63 Resp: 33709
Ion Ratio Lower Upper
63 100
65 31.1 23.8 35.6

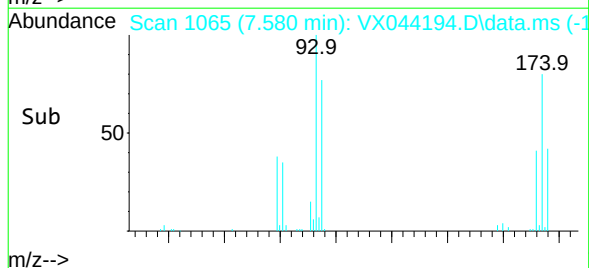
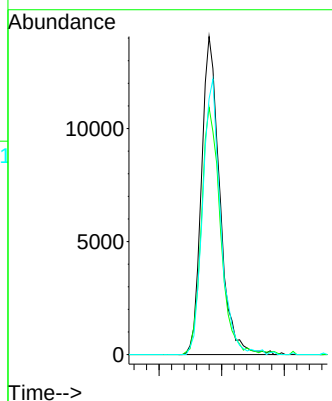
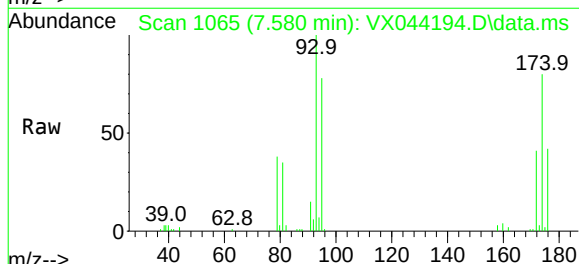
Manual Integrations
APPROVED

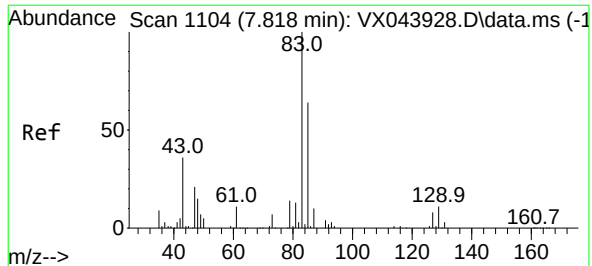
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#46
Dibromomethane
Concen: 21.376 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

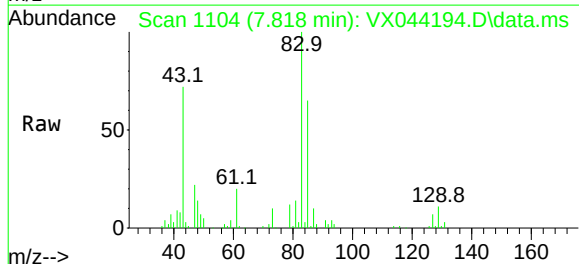
Tgt Ion: 93 Resp: 28564
Ion Ratio Lower Upper
93 100
95 80.3 66.2 99.4
174 85.4 69.6 104.4





#47
Bromodichloromethane
Concen: 20.355 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

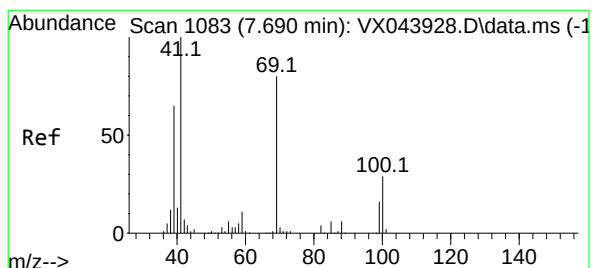
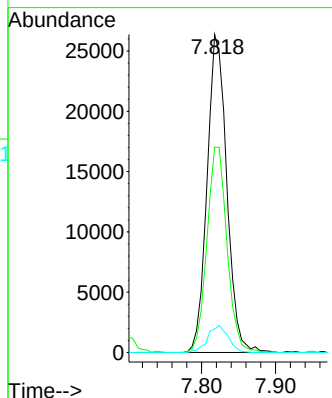
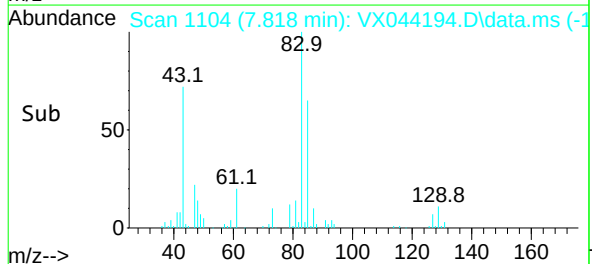
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01



Tgt Ion: 83 Resp: 48783
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.0
127 7.4 6.6 10.0

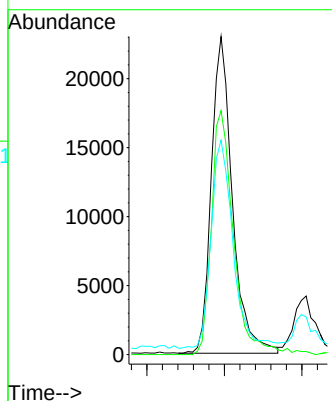
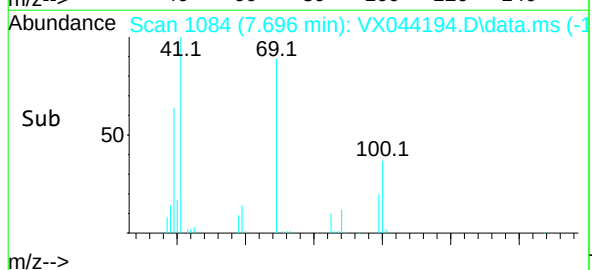
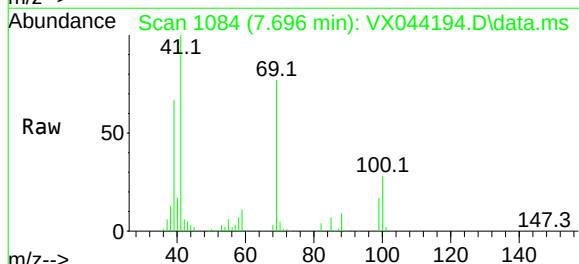
Manual Integrations
APPROVED

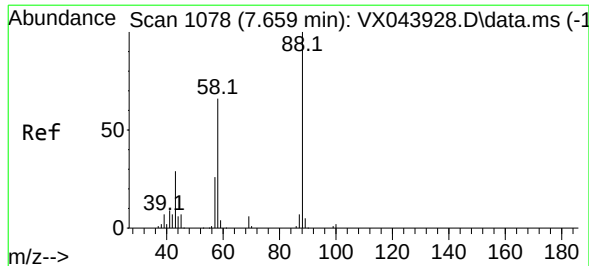
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#48
Methyl methacrylate
Concen: 20.669 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 41 Resp: 43383
Ion Ratio Lower Upper
41 100
69 81.3 64.6 97.0
39 67.8 53.3 79.9





#49

1,4-Dioxane

Concen: 312.640 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 88 Resp: 11689

Ion Ratio Lower Upper

88 100

43 40.1 26.8 40.2

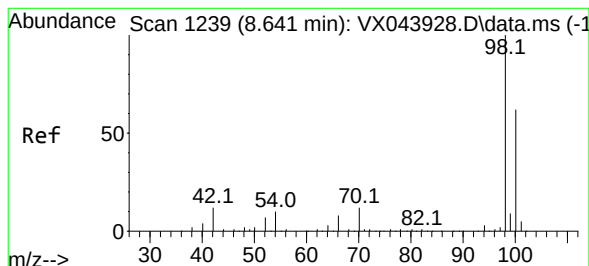
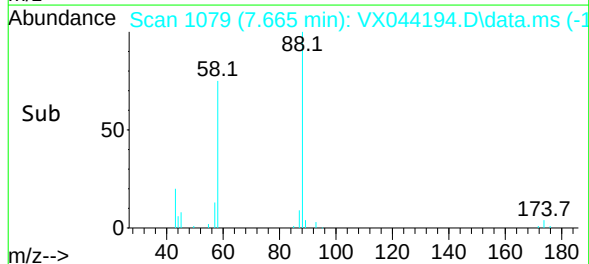
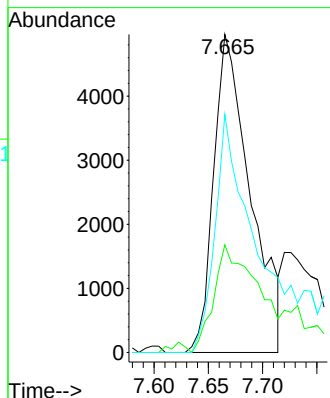
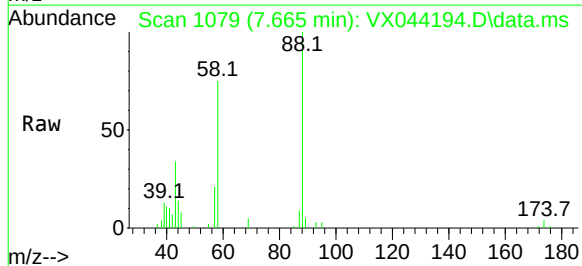
58 96.9 45.4 68.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 50.866 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044194.D

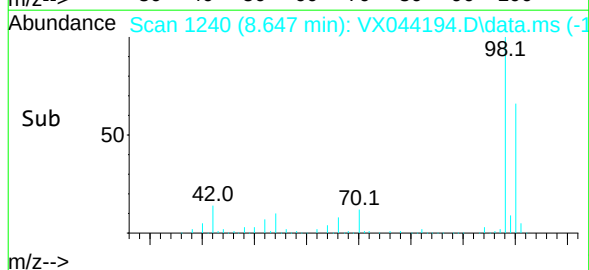
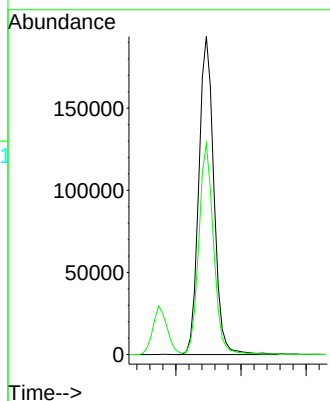
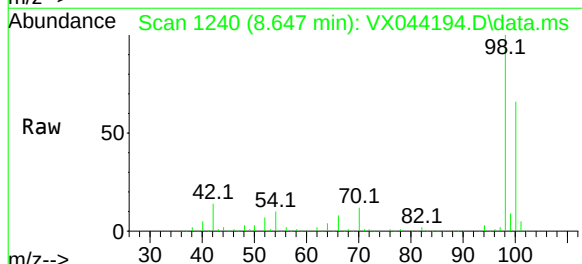
Acq: 09 Dec 2024 17:37

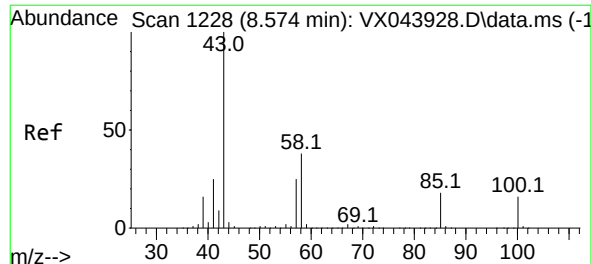
Tgt Ion: 98 Resp: 311560

Ion Ratio Lower Upper

98 100

100 64.5 52.6 79.0





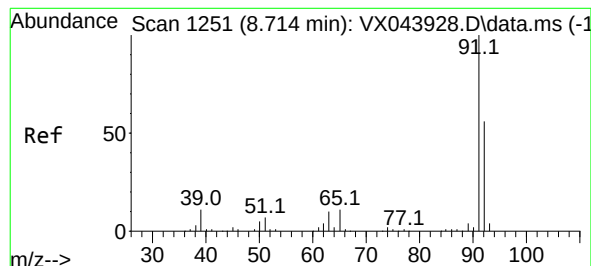
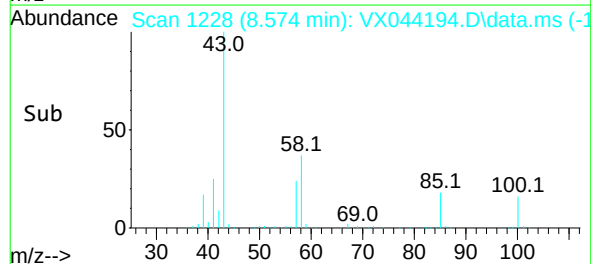
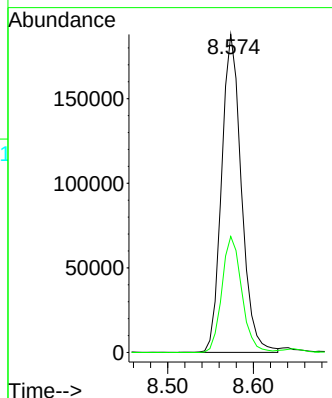
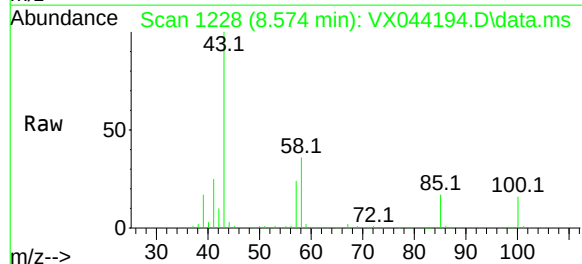
#51
4-Methyl-2-Pentanone
Concen: 113.171 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Tgt Ion: 43 Resp: 302094
Ion Ratio Lower Upper
43 100
58 36.7 30.0 45.0

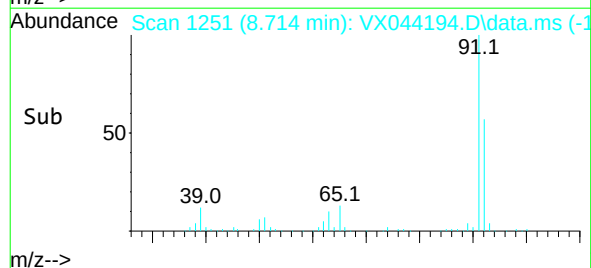
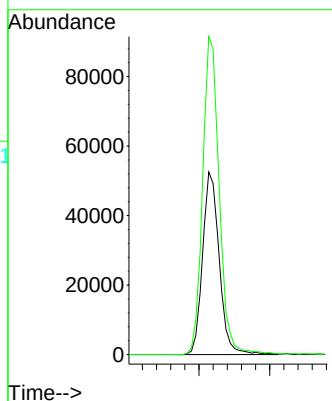
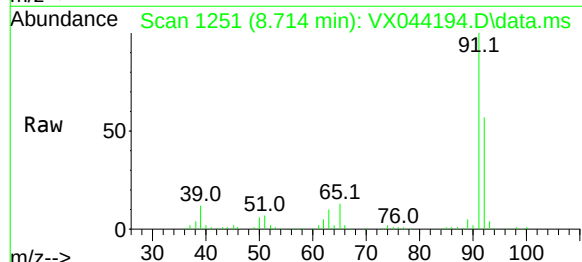
Manual Integrations
APPROVED

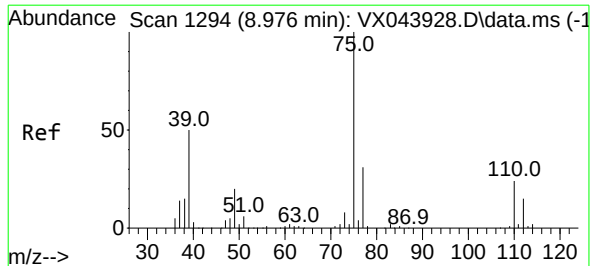
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#52
Toluene
Concen: 20.808 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

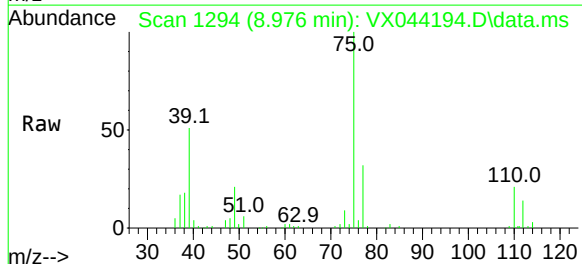
Tgt Ion: 92 Resp: 85899
Ion Ratio Lower Upper
92 100
91 174.0 139.7 209.5





#53
t-1,3-Dichloropropene
Concen: 19.762 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

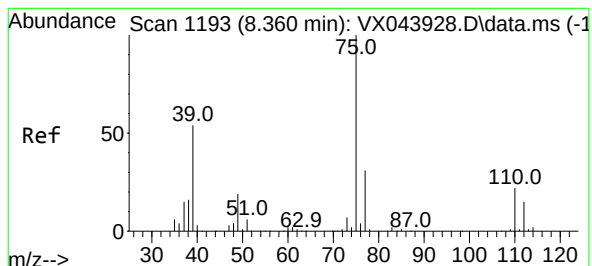
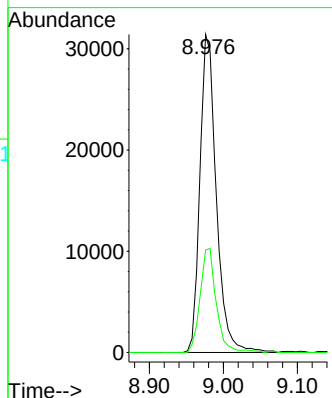
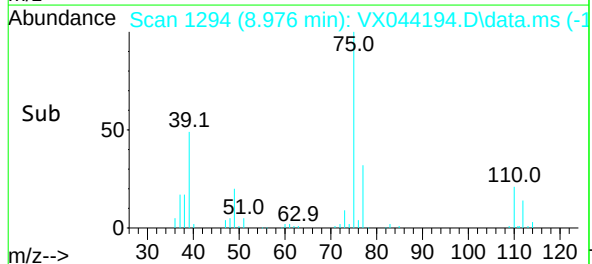
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01



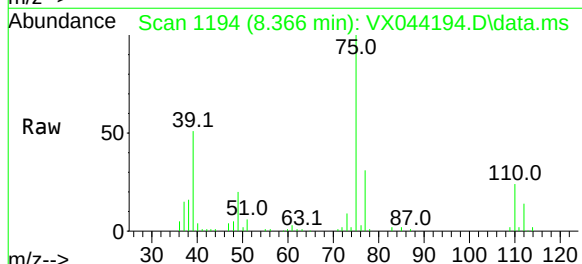
Tgt Ion: 75 Resp: 48298
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7

Manual Integrations
APPROVED

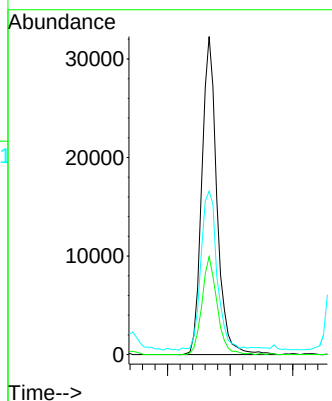
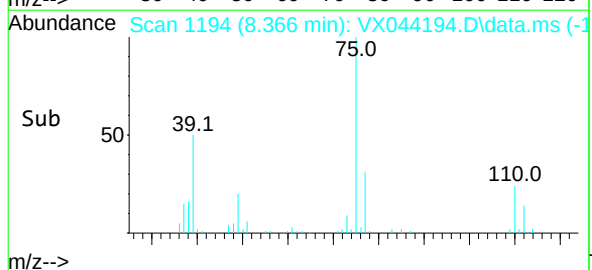
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

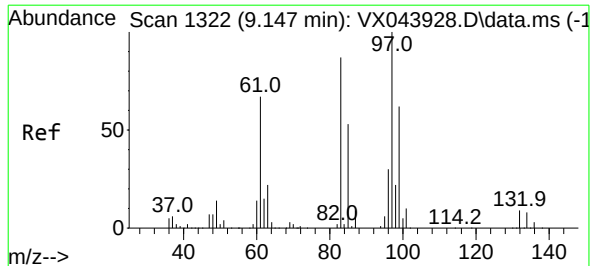


#54
cis-1,3-Dichloropropene
Concen: 20.209 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37



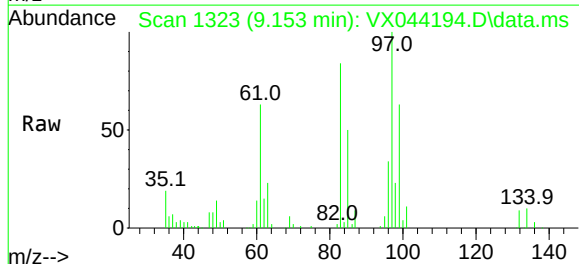
Tgt Ion: 75 Resp: 54145
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 49.9 43.1 64.7





#55
1,1,2-Trichloroethane
Concen: 21.544 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

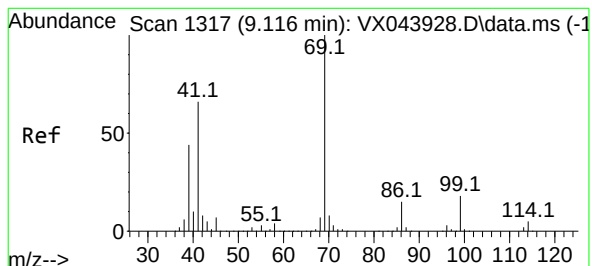
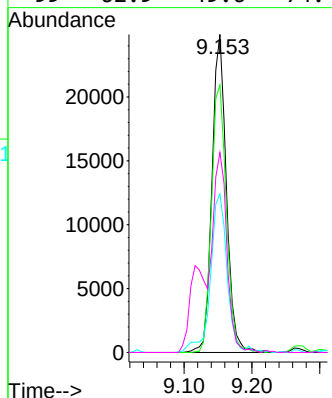
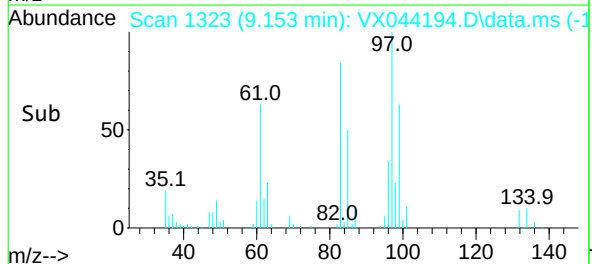
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01



Tgt Ion:	97	Resp:	36713
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.4	104.0
85	49.8	42.3	63.5
99	62.9	49.6	74.4

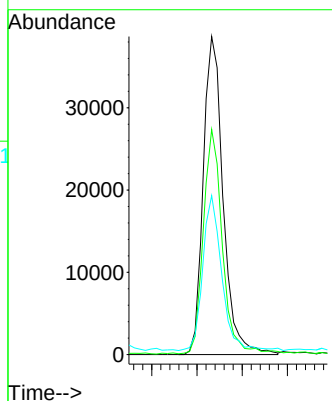
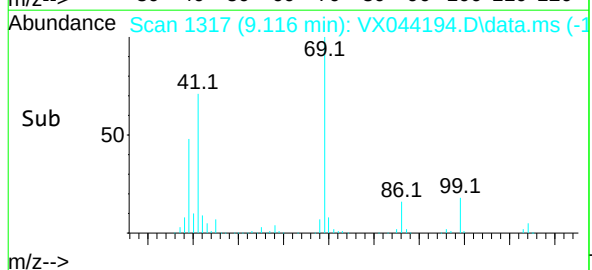
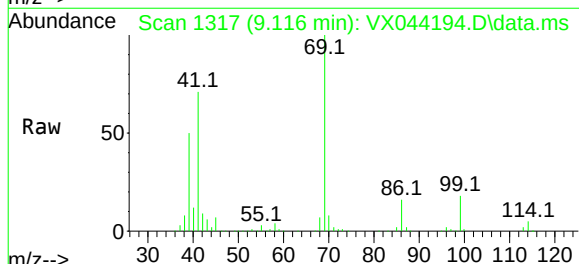
Manual Integrations
APPROVED

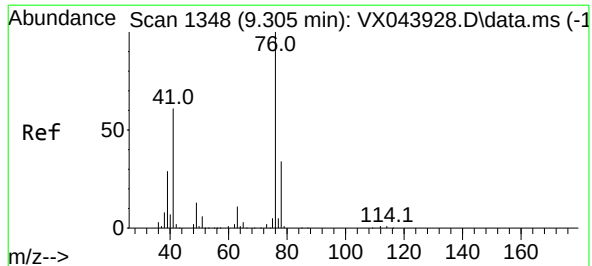
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#56
Ethyl methacrylate
Concen: 22.260 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

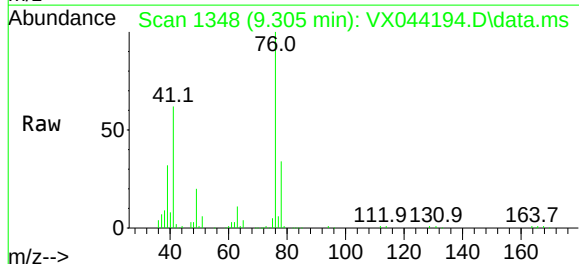
Tgt Ion:	69	Resp:	59083
Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.8	83.8
39	46.3	36.7	55.1





#57
1,3-Dichloropropane
Concen: 21.833 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

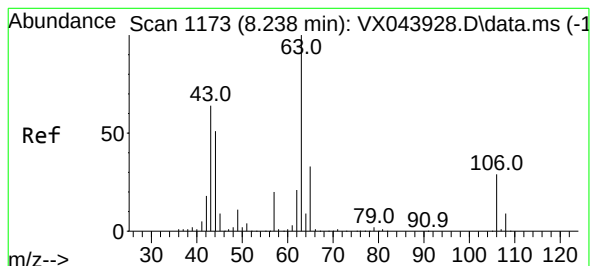
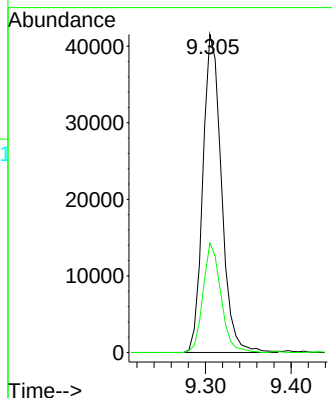
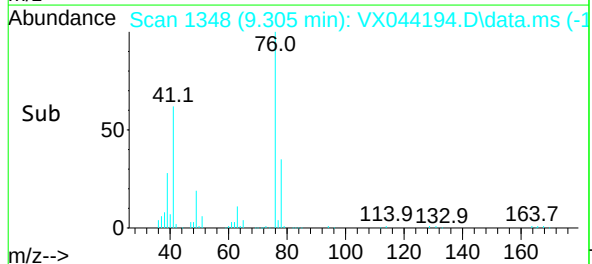
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01



Tgt Ion: 76 Resp: 62674
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0

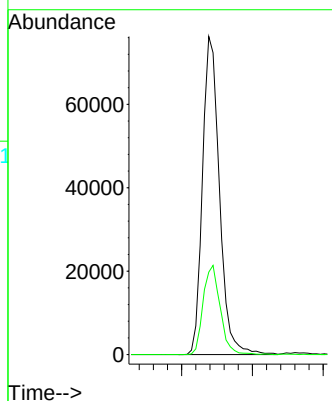
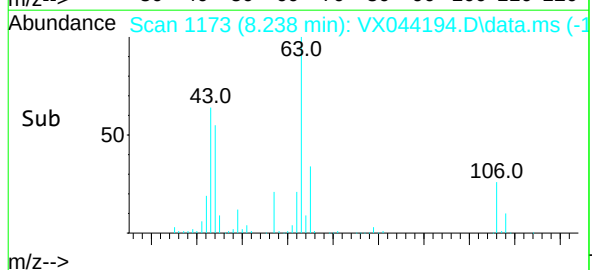
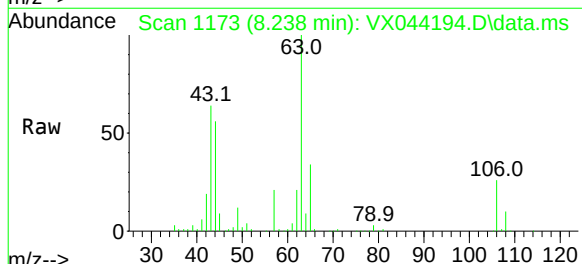
Manual Integrations
APPROVED

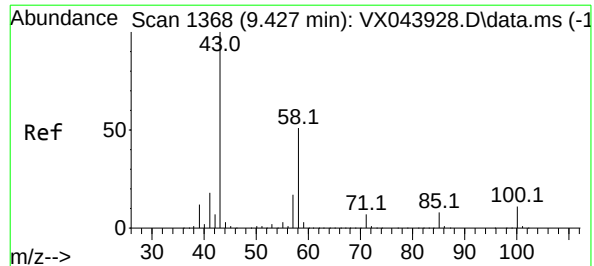
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#58
2-Chloroethyl Vinyl ether
Concen: 86.855 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 63 Resp: 127295
Ion Ratio Lower Upper
63 100
106 28.1 23.0 34.6





#59

2-Hexanone

Concen: 115.407 ug/l

RT: 9.433 min Scan# 1368

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 43 Resp: 231547

Ion Ratio Lower Upper

43 100

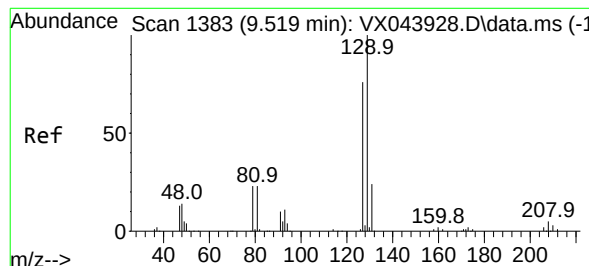
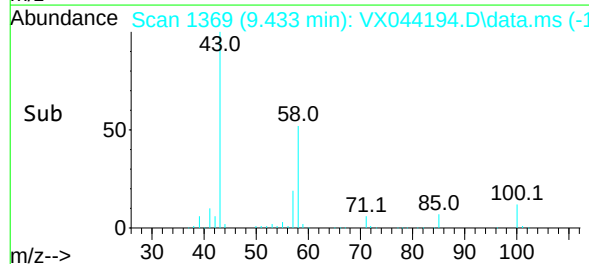
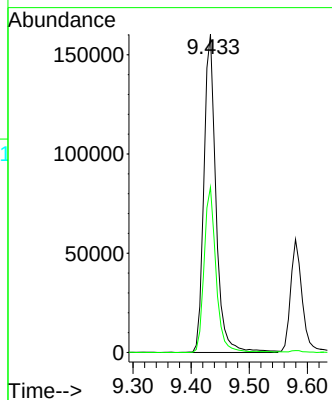
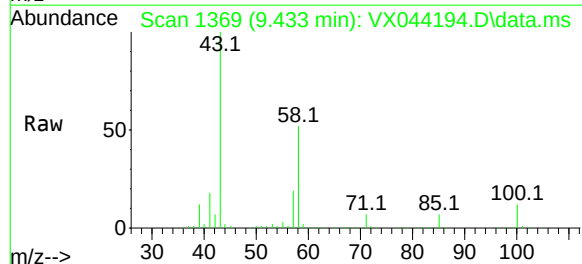
58 50.8 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#60

Dibromochloromethane

Concen: 19.812 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044194.D

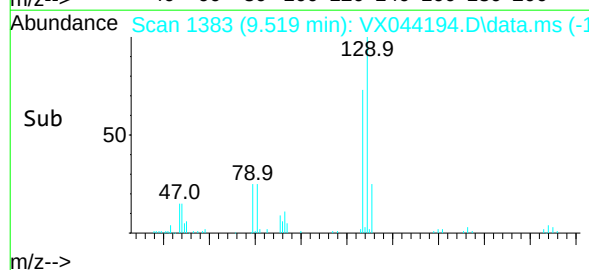
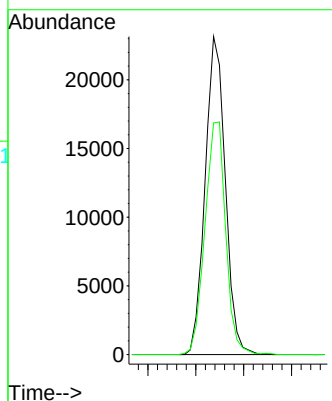
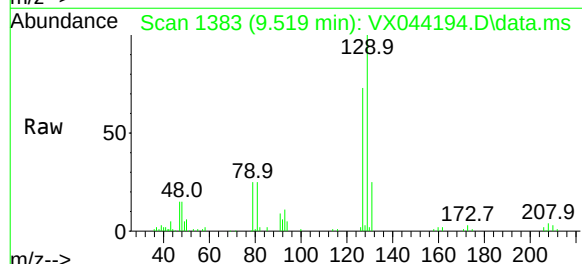
Acq: 09 Dec 2024 17:37

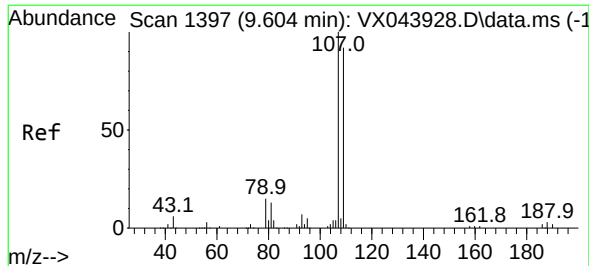
Tgt Ion:129 Resp: 33874

Ion Ratio Lower Upper

129 100

127 75.4 38.2 114.6





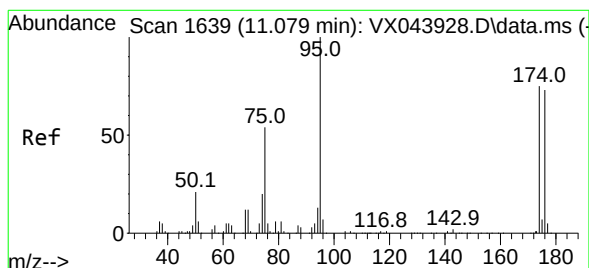
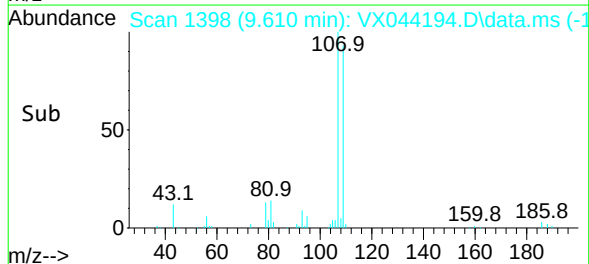
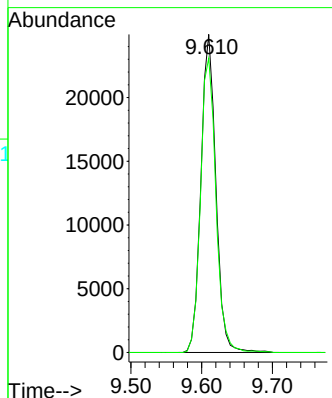
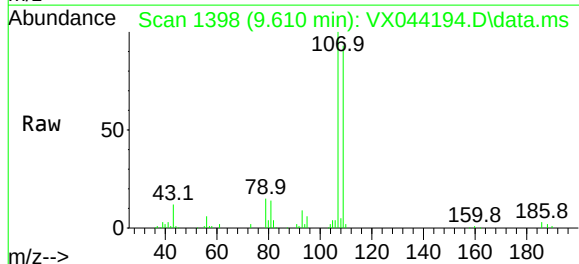
#61
1,2-Dibromoethane
Concen: 21.281 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Tgt Ion: 107 Resp: 36670
Ion Ratio Lower Upper
107 100
109 95.5 75.2 112.8

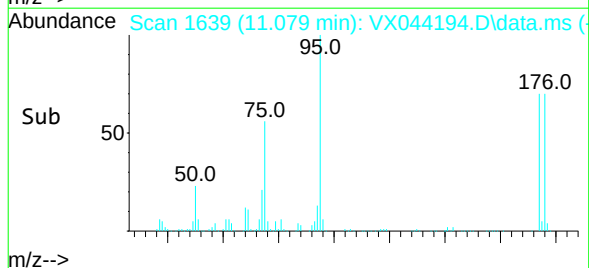
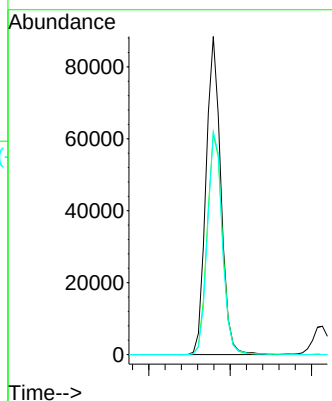
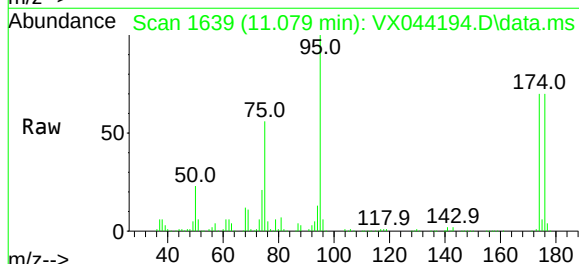
Manual Integrations
APPROVED

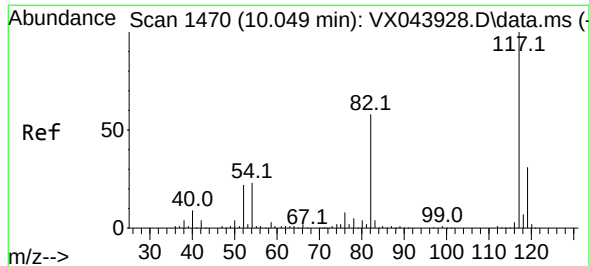
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#62
4-Bromofluorobenzene
Concen: 53.767 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 95 Resp: 112080
Ion Ratio Lower Upper
95 100
174 71.4 0.0 150.4
176 69.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:117 Resp: 215697

Ion Ratio Lower Upper

117 100

82 57.1 46.4 69.6

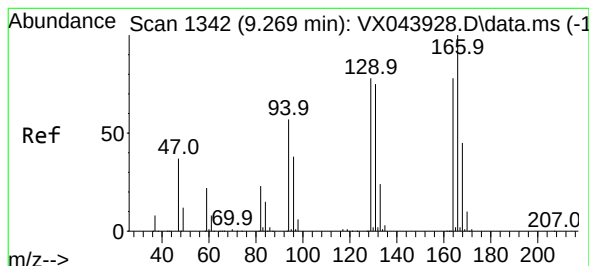
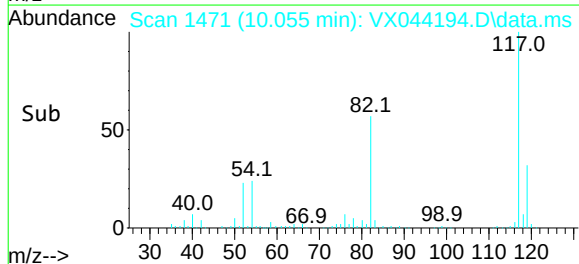
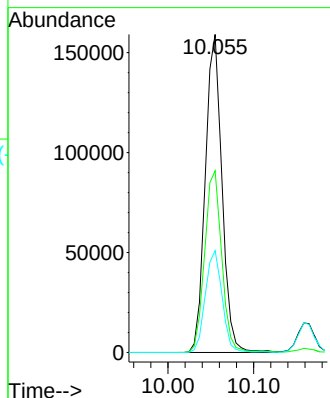
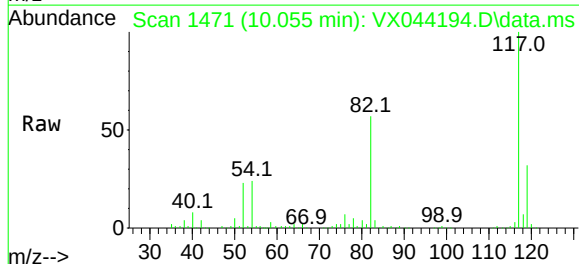
119 32.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#64

Tetrachloroethene

Concen: 19.563 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:164 Resp: 27824

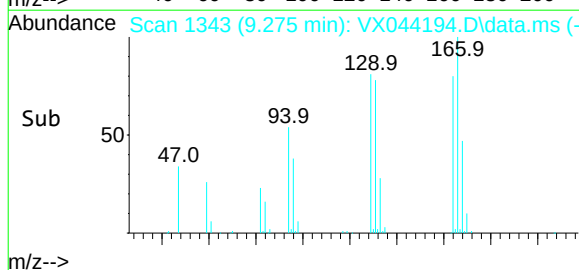
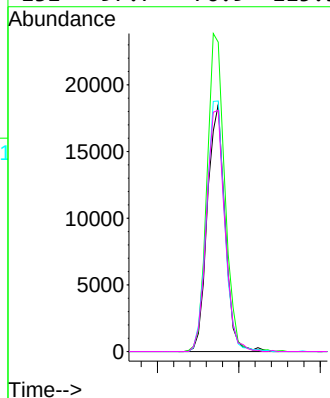
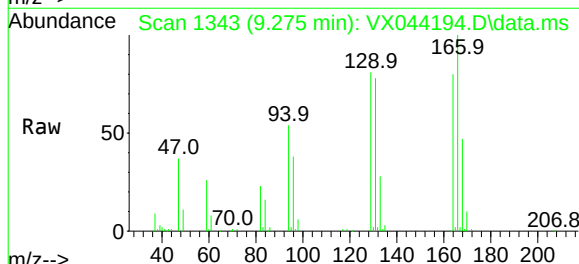
Ion Ratio Lower Upper

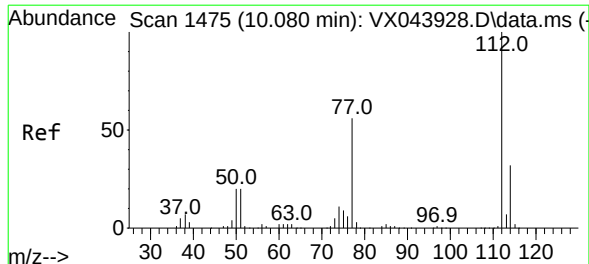
164 100

166 125.3 102.1 153.1

129 101.5 79.6 119.4

131 97.7 76.9 115.3





#65

Chlorobenzene

Concen: 20.039 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:112 Resp: 94932

Ion Ratio Lower Upper

112 100

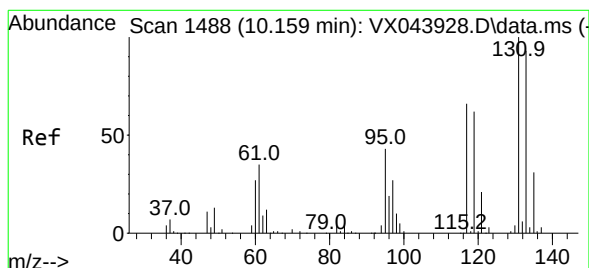
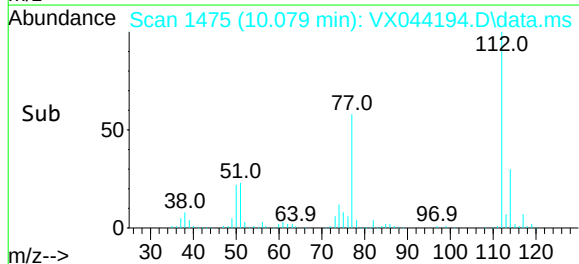
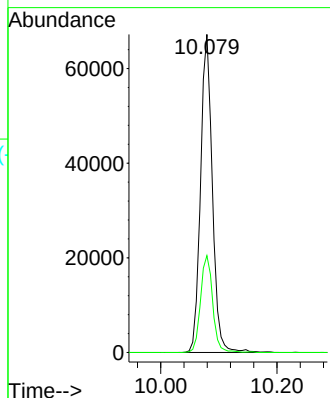
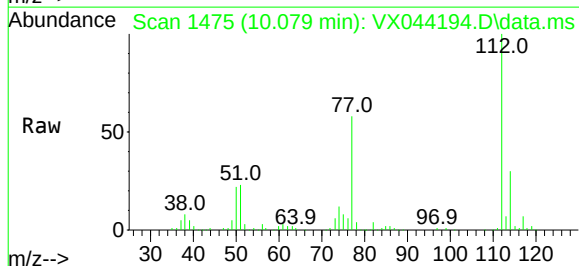
114 30.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 20.923 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

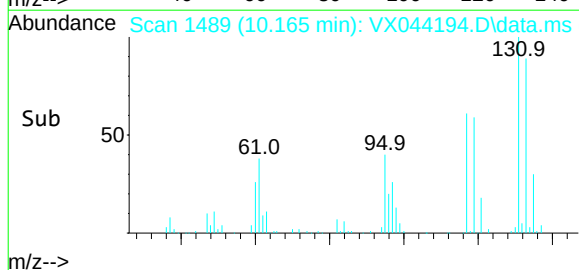
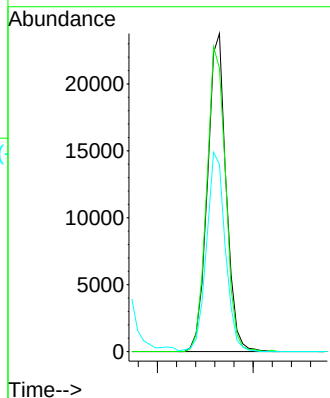
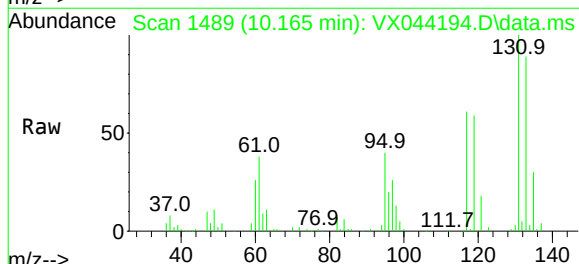
Tgt Ion:131 Resp: 32146

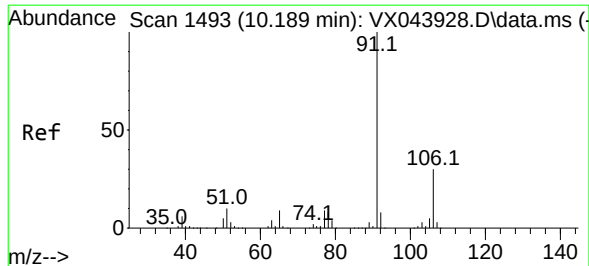
Ion Ratio Lower Upper

131 100

133 96.9 48.2 144.6

119 63.1 31.5 94.5





#67

Ethyl Benzene

Concen: 20.886 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 91 Resp: 167658

Ion Ratio Lower Upper

91 100

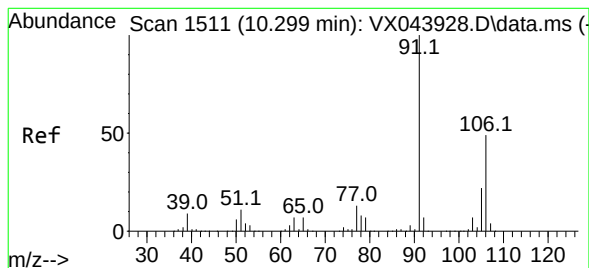
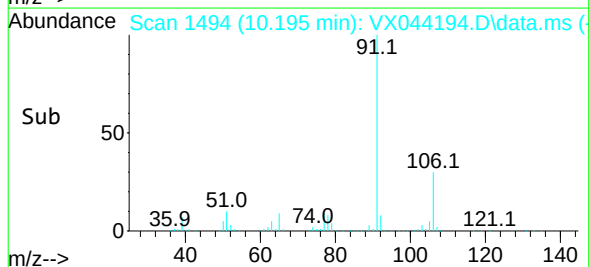
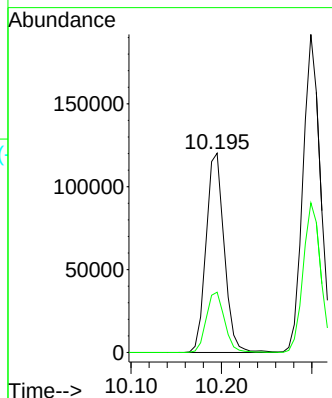
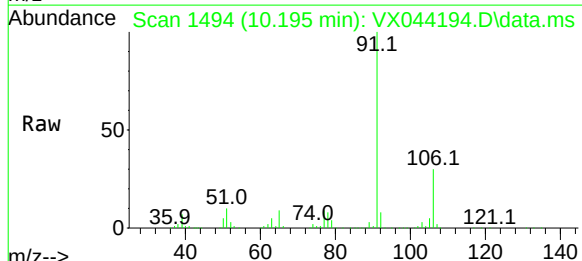
106 30.3 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 41.384 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044194.D

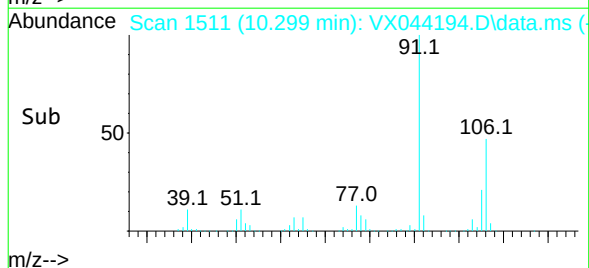
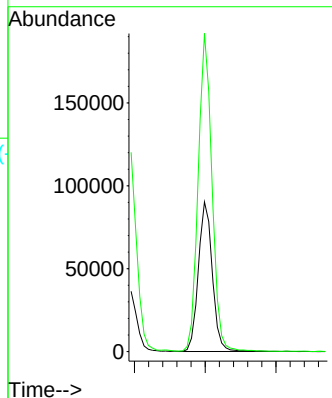
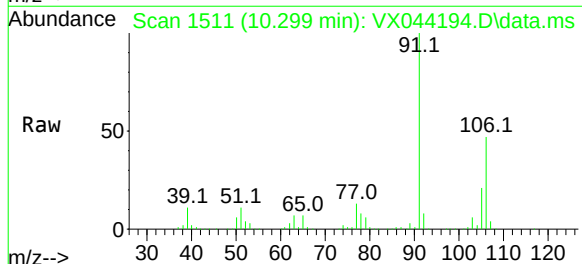
Acq: 09 Dec 2024 17:37

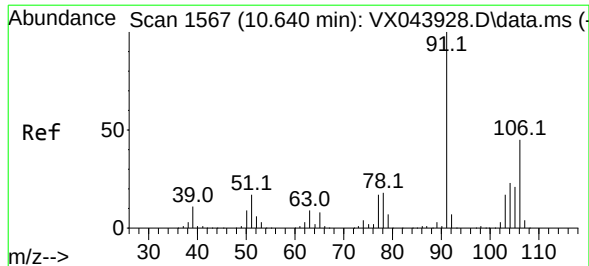
Tgt Ion:106 Resp: 123887

Ion Ratio Lower Upper

106 100

91 209.9 168.1 252.1





#69

o-Xylene

Concen: 21.324 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:106 Resp: 62326

Ion Ratio Lower Upper

106 100

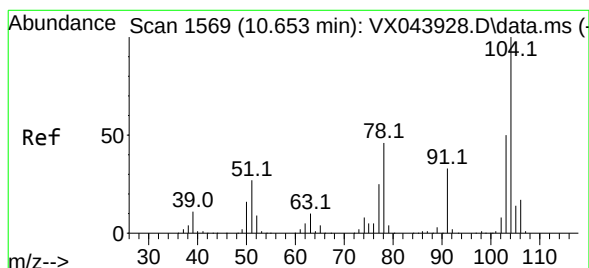
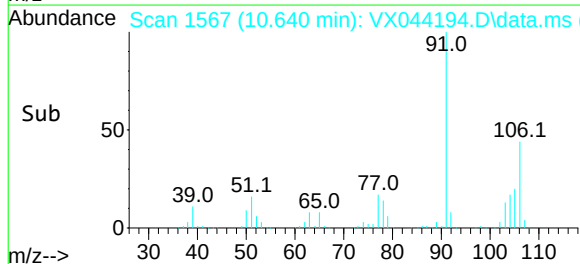
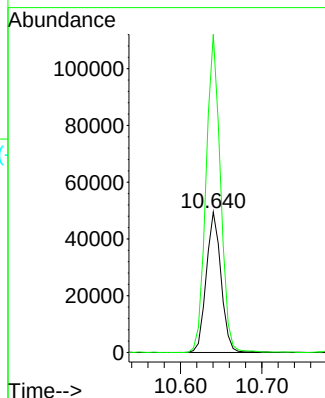
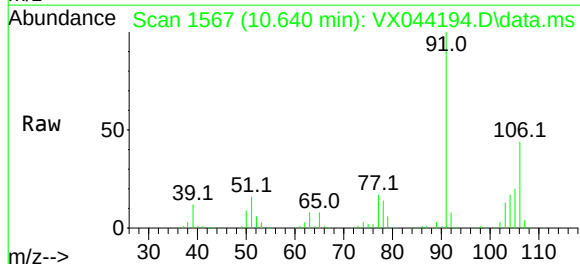
91 221.8 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 21.061 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

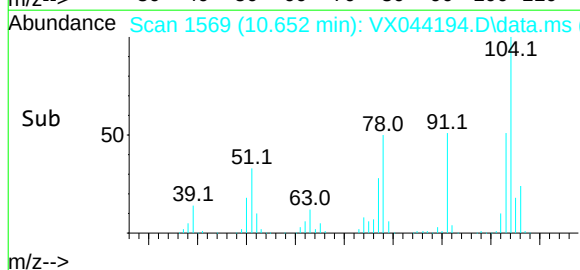
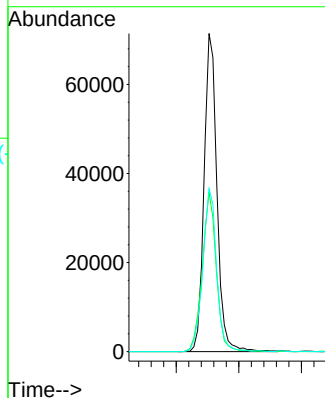
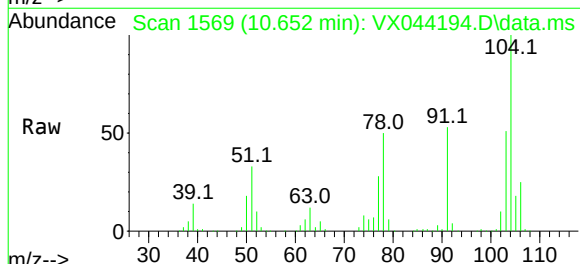
Tgt Ion:104 Resp: 101812

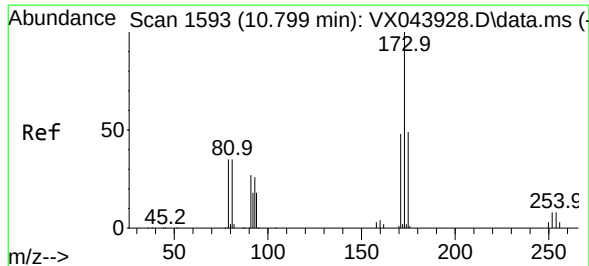
Ion Ratio Lower Upper

104 100

78 54.7 42.2 63.2

103 55.3 44.7 67.1





#71

Bromoform

Concen: 17.454 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

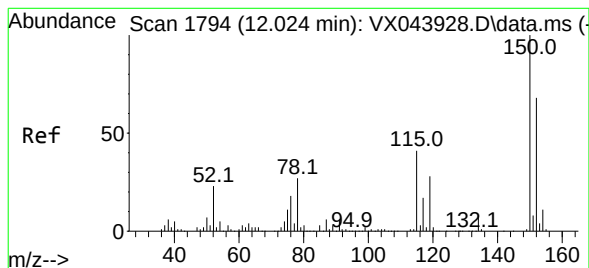
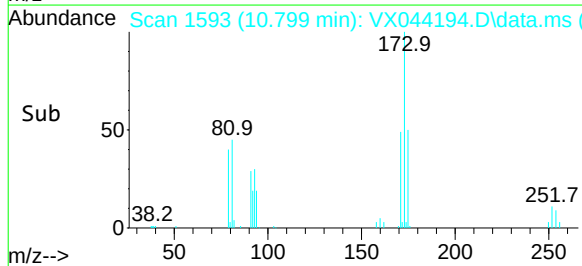
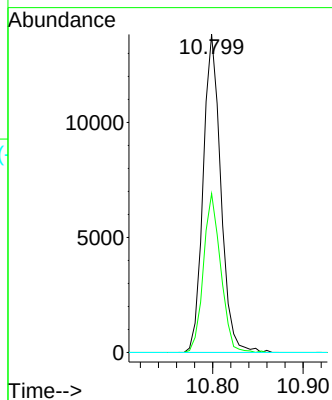
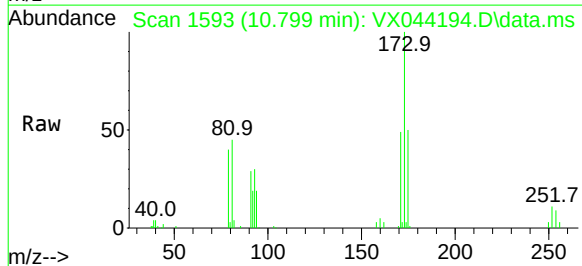
ClientSampleId :

VX1209WBSD01

Tgt Ion:	173	Resp:	18740
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

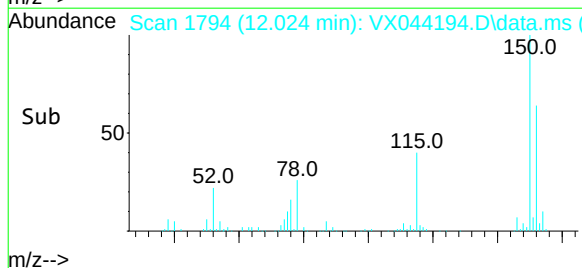
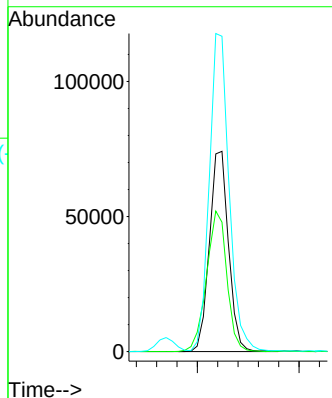
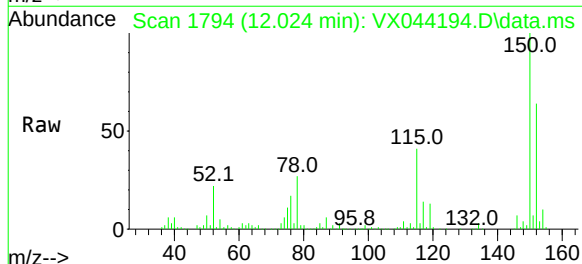
RT: 12.024 min Scan# 1794

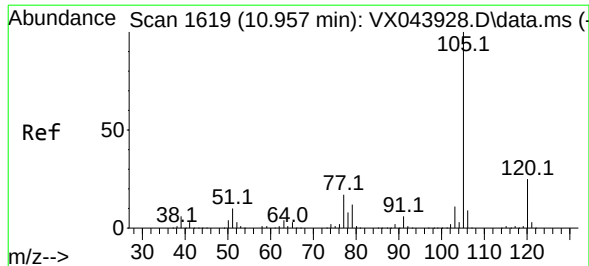
Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:	152	Resp:	96570
Ion Ratio	Lower	Upper	
152	100		
115	74.9	45.4	136.2
150	164.7	0.0	353.0





#73

Isopropylbenzene

Concen: 21.937 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 105 Resp: 162841

Ion Ratio Lower Upper

105 100

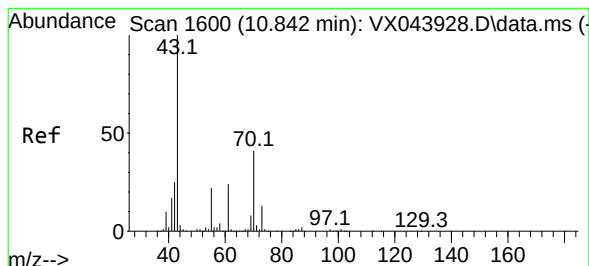
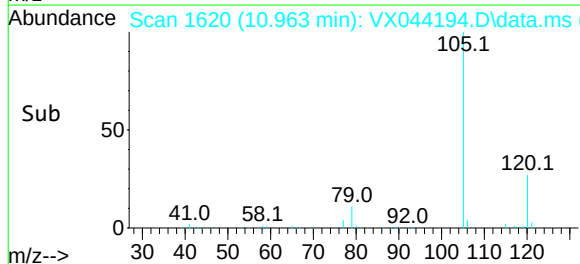
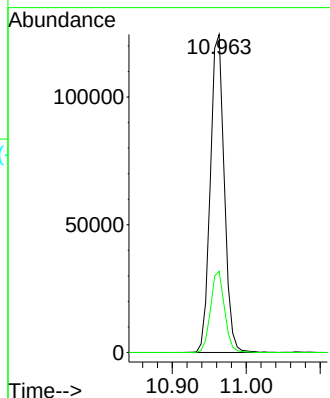
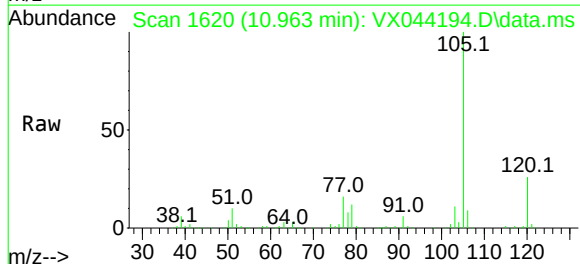
120 25.6 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 22.323 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 76764

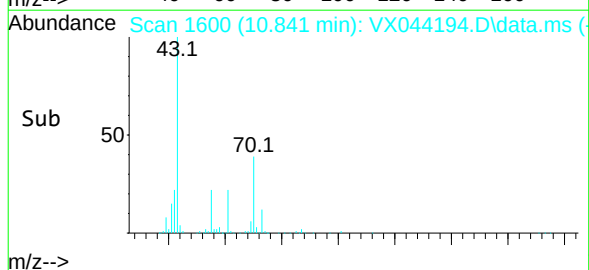
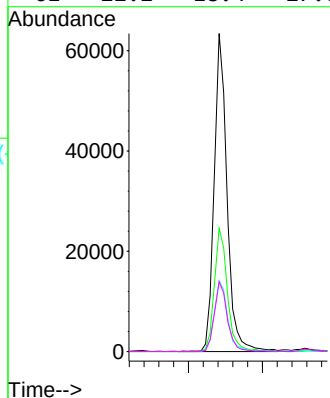
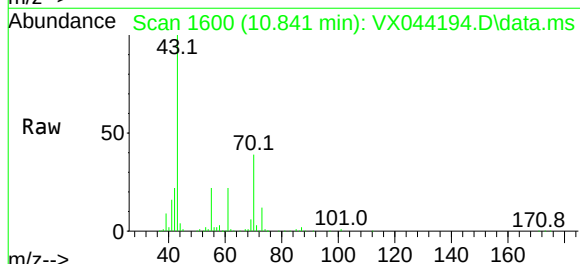
Ion Ratio Lower Upper

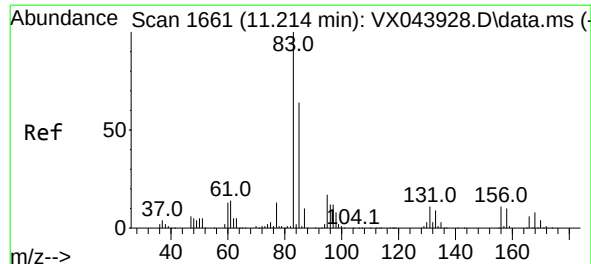
43 100

70 39.4 32.2 48.2

55 23.3 18.1 27.1

61 22.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.167 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

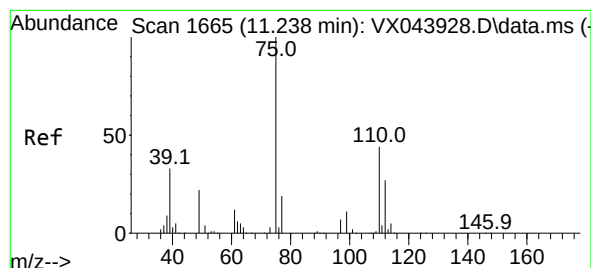
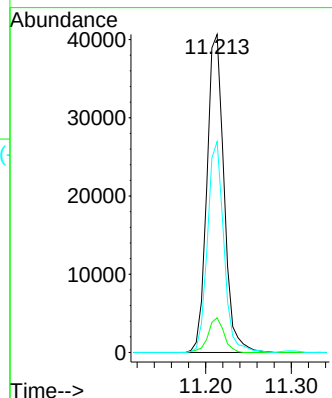
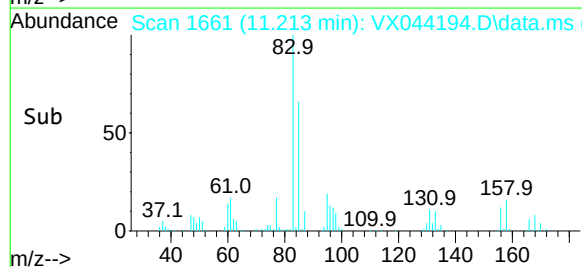
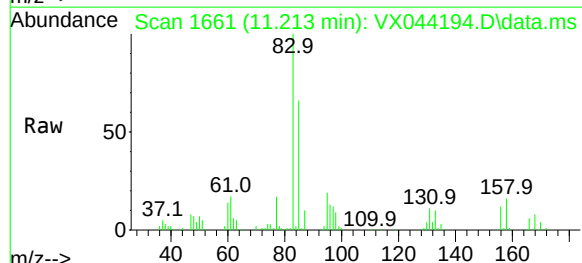
ClientSampleId :

VX1209WBSD01

Tgt Ion:	83	Resp:	56343
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.2
85	63.5	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 21.966 ug/l m

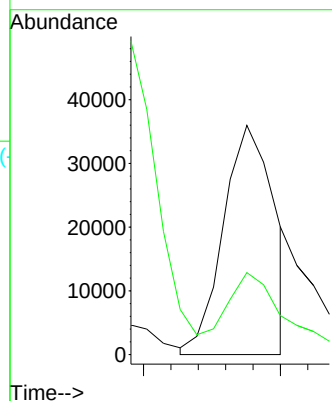
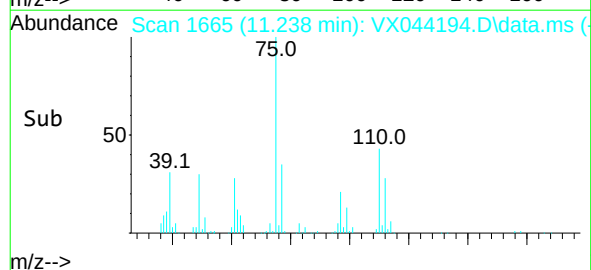
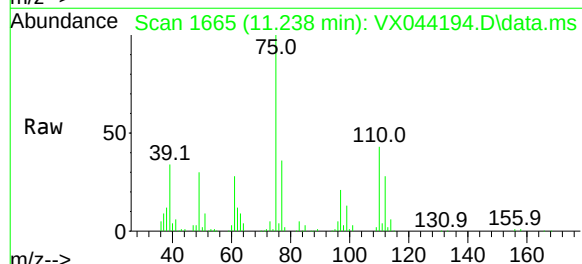
RT: 11.238 min Scan# 1665

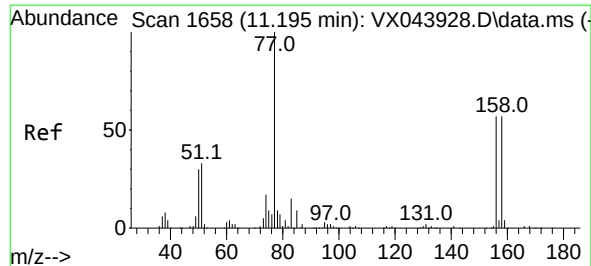
Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

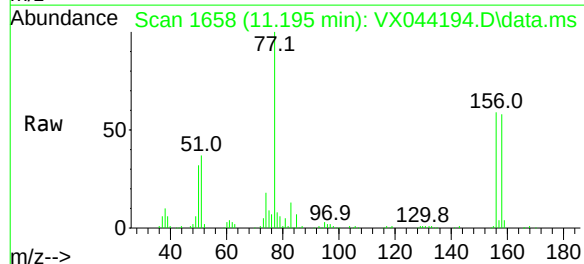
Tgt Ion:	75	Resp:	46519
Ion	Ratio	Lower	Upper
75	100		
77	42.5	21.8	65.3





#77
Bromobenzene
Concen: 21.699 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

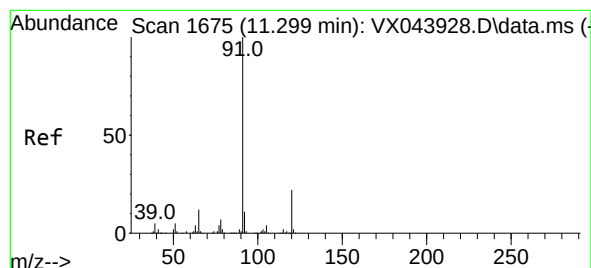
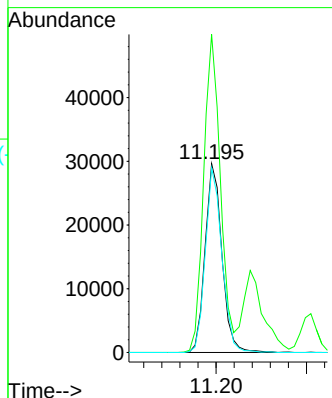
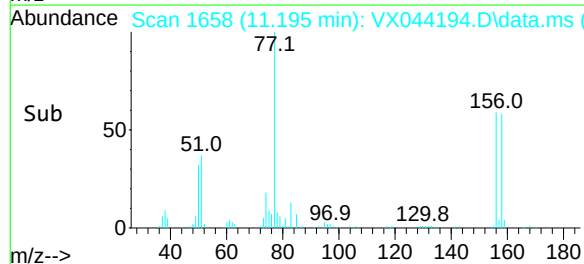
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01



Tgt Ion: 156 Resp: 38424
Ion Ratio Lower Upper
156 100
77 166.7 83.4 250.1
158 96.4 47.6 142.8

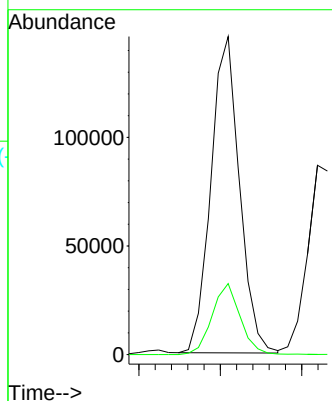
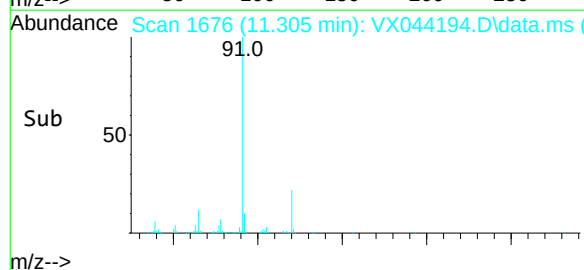
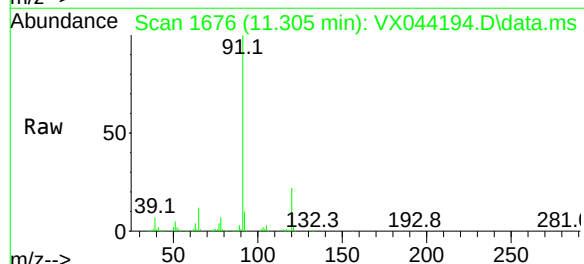
Manual Integrations
APPROVED

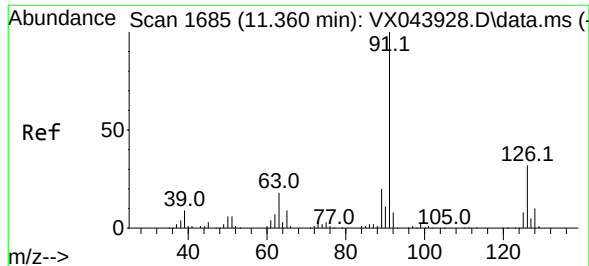
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#78
n-propylbenzene
Concen: 21.463 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 91 Resp: 177942
Ion Ratio Lower Upper
91 100
120 22.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 21.661 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 91 Resp: 113558

Ion Ratio Lower Upper

91 100

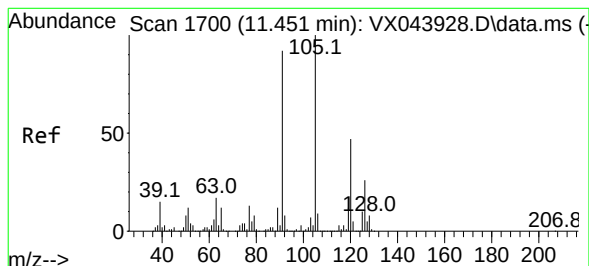
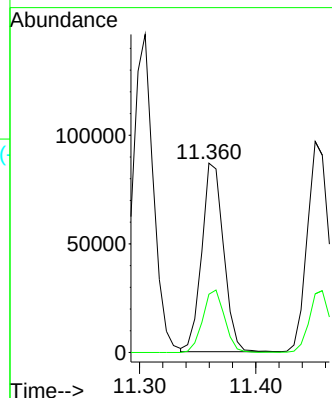
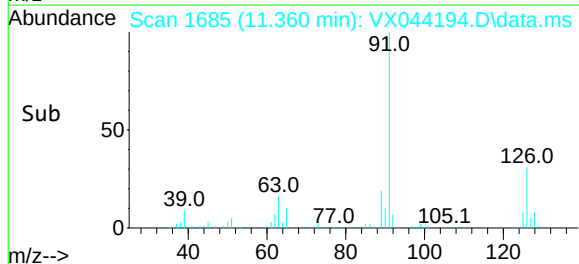
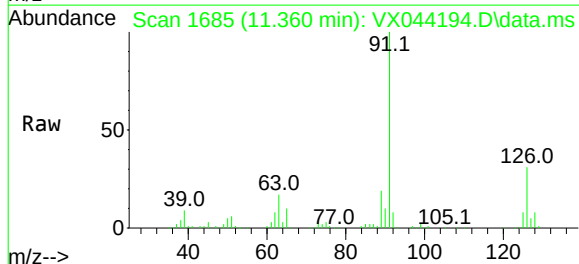
126 33.1 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 21.866 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044194.D

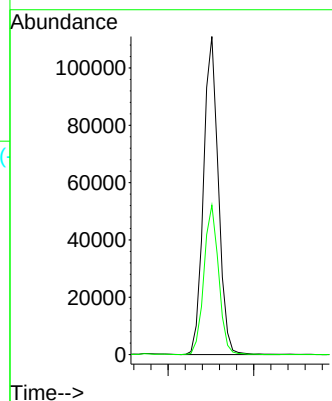
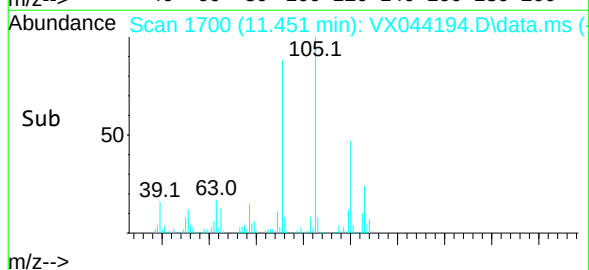
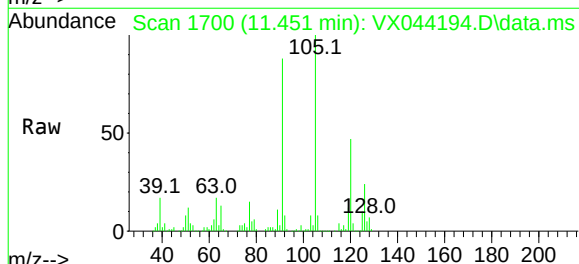
Acq: 09 Dec 2024 17:37

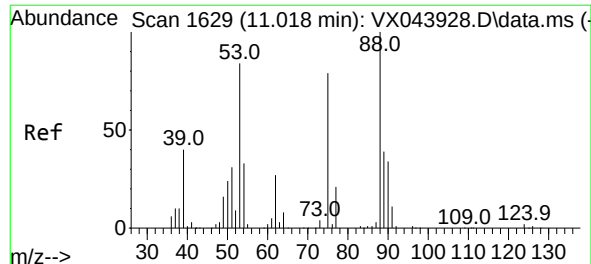
Tgt Ion:105 Resp: 133542

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.499 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 75 Resp: 13581

Ion Ratio Lower Upper

75 100

53 131.4 86.7 130.1

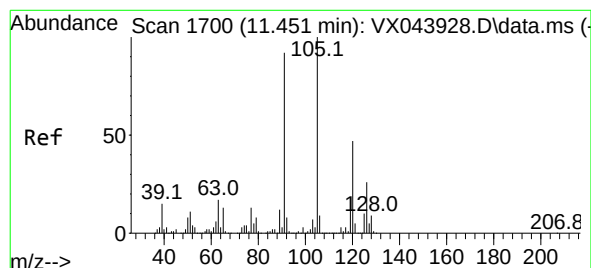
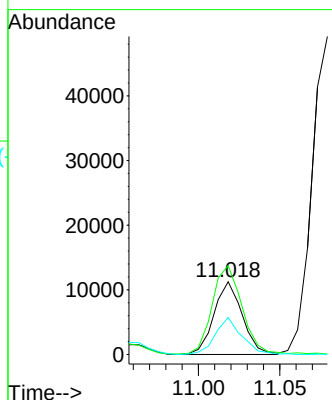
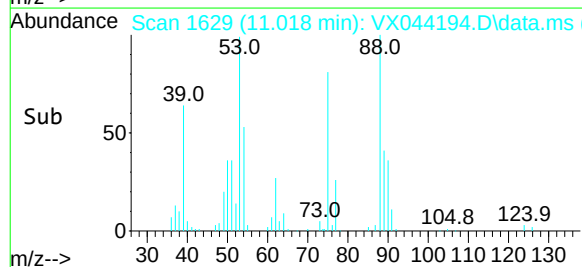
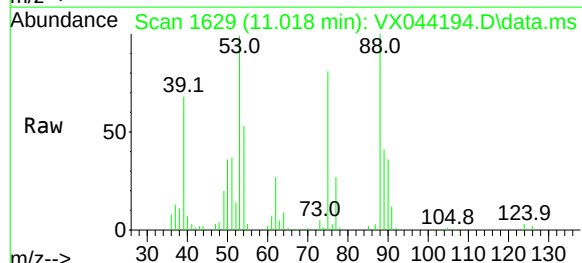
89 47.8 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#82

4-Chlorotoluene

Concen: 21.641 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044194.D

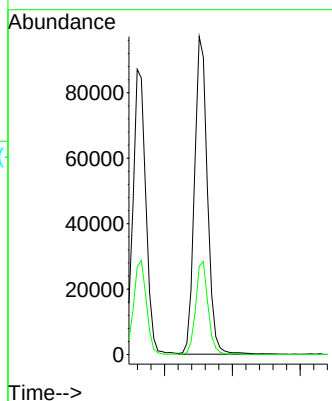
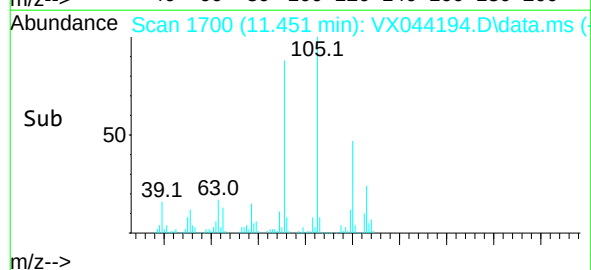
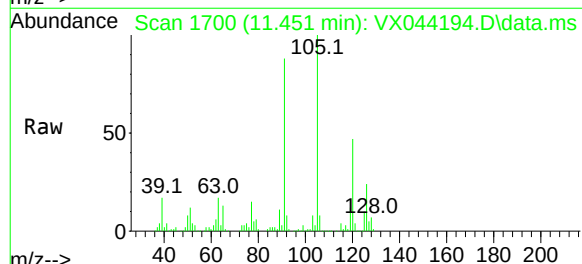
Acq: 09 Dec 2024 17:37

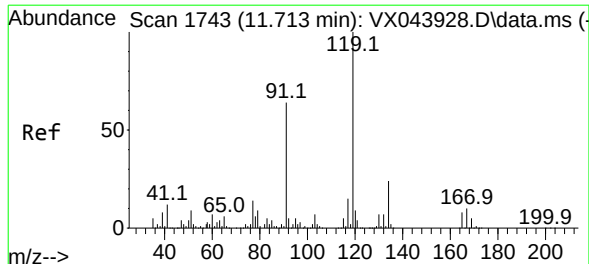
Tgt Ion: 91 Resp: 128085

Ion Ratio Lower Upper

91 100

126 28.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 22.274 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:119 Resp: 134832

Ion Ratio Lower Upper

119 100

91 62.7 31.0 93.0

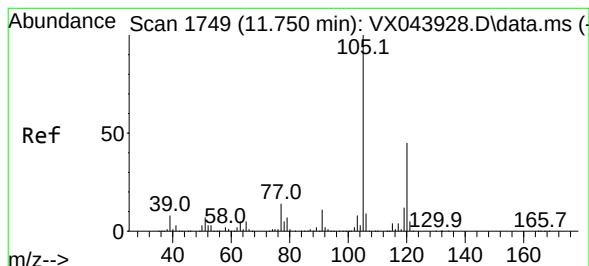
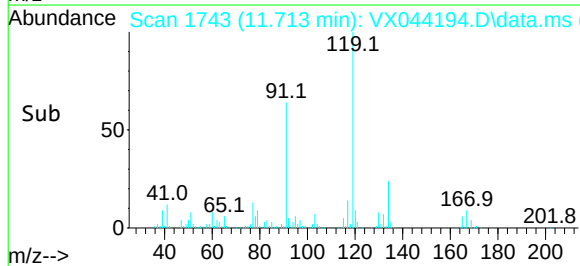
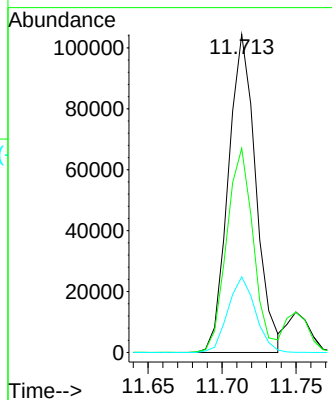
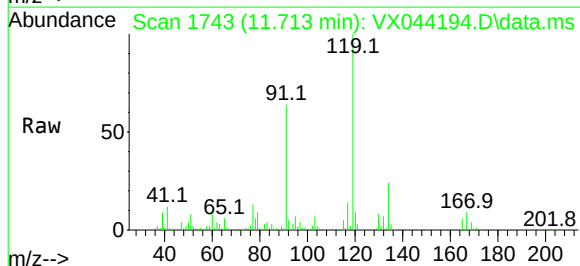
134 23.7 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 22.155 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044194.D

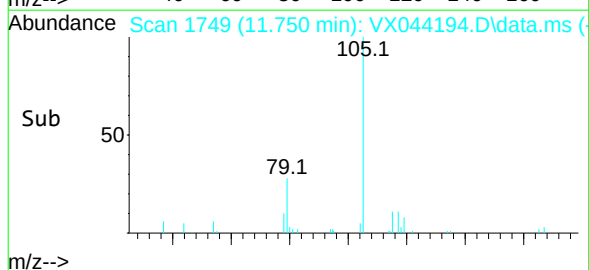
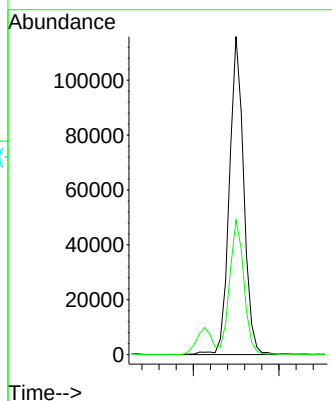
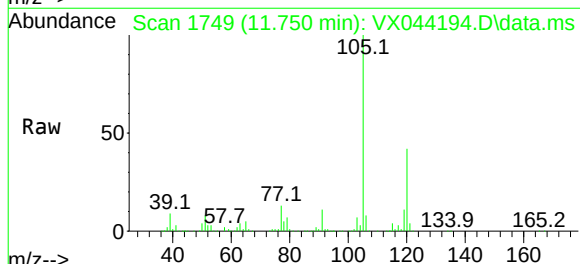
Acq: 09 Dec 2024 17:37

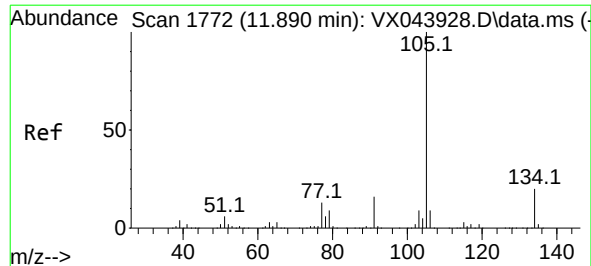
Tgt Ion:105 Resp: 134709

Ion Ratio Lower Upper

105 100

120 42.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.541 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:105 Resp: 159764

Ion Ratio Lower Upper

105 100

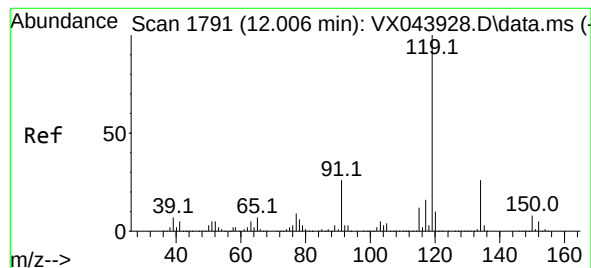
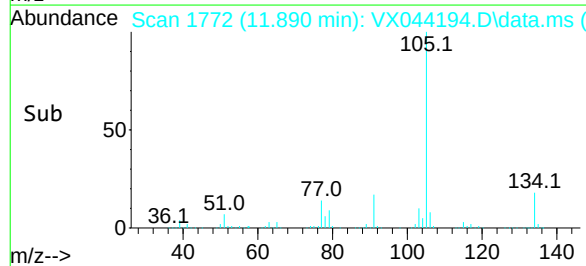
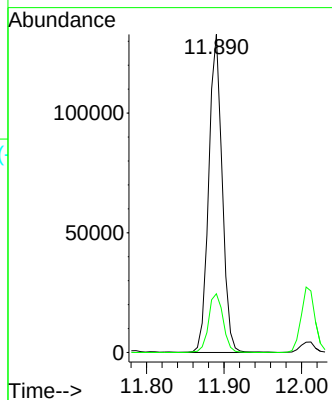
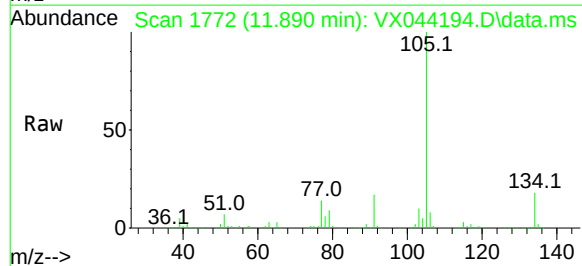
134 20.0 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#86

p-Isopropyltoluene

Concen: 22.027 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

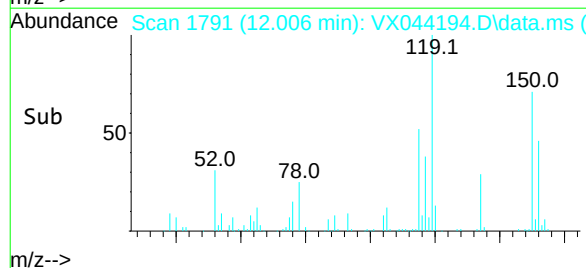
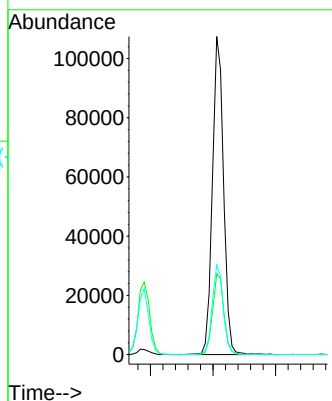
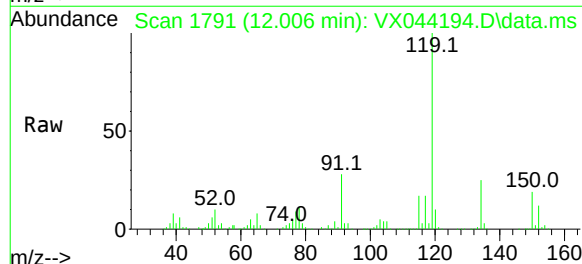
Tgt Ion:119 Resp: 132697

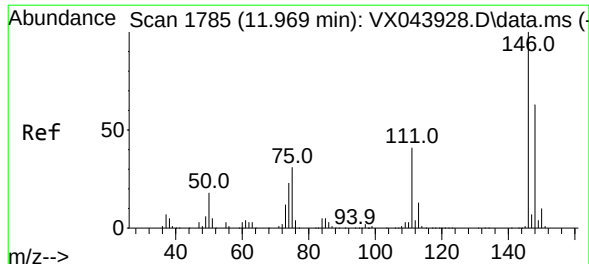
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 27.8 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 20.645 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

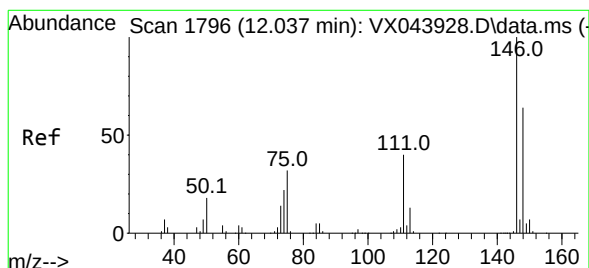
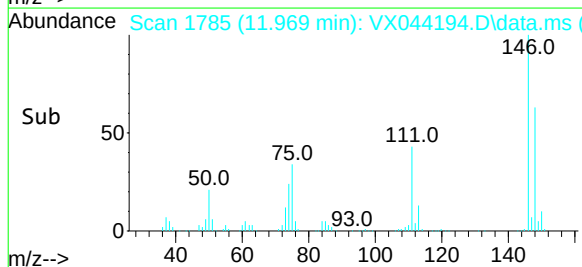
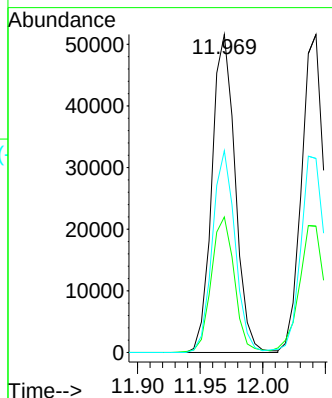
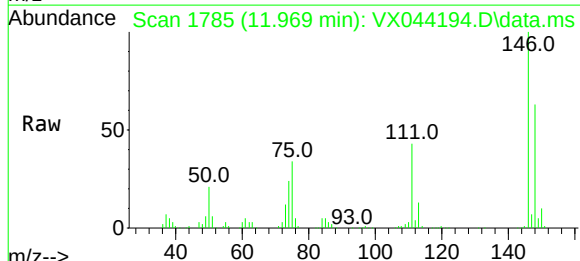
ClientSampleId :

VX1209WBSD01

Tgt Ion:	146	Resp:	66585
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.1	63.3
148	62.0	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

Concen: 19.982 ug/l

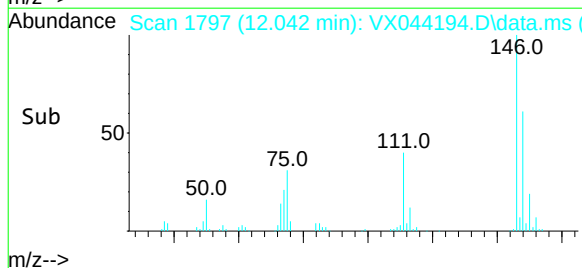
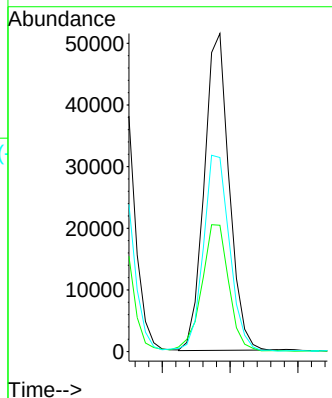
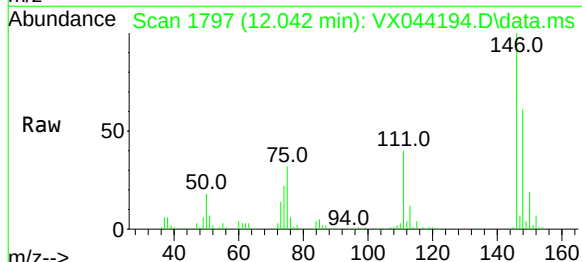
RT: 12.042 min Scan# 1797

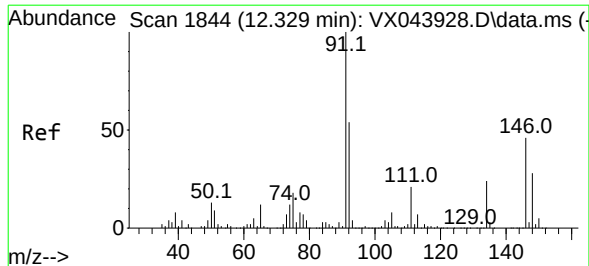
Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:	146	Resp:	65706
Ion Ratio	Lower	Upper	
146	100		
111	43.4	20.1	60.3
148	65.4	30.9	92.8





#89

n-Butylbenzene

Concen: 20.826 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion: 91 Resp: 110620

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.8

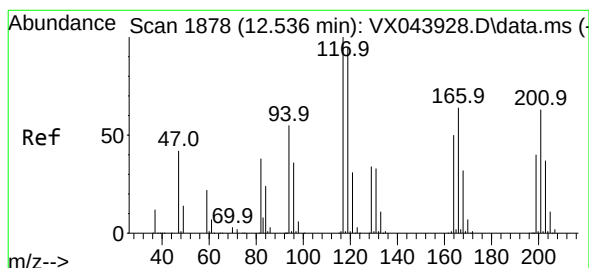
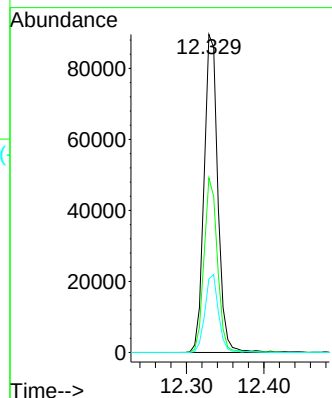
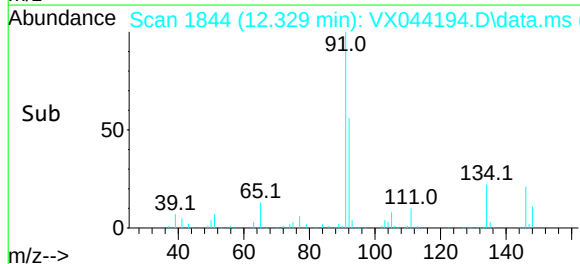
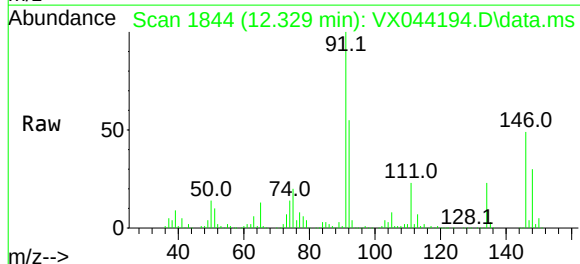
134 24.3 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#90

Hexachloroethane

Concen: 18.309 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044194.D

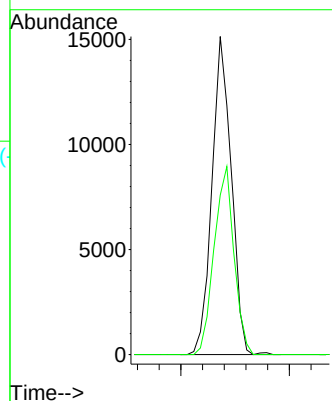
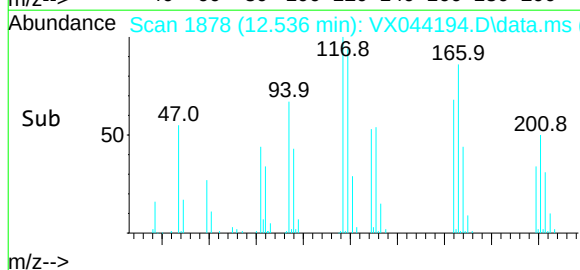
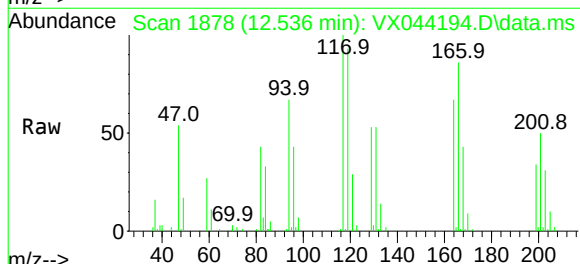
Acq: 09 Dec 2024 17:37

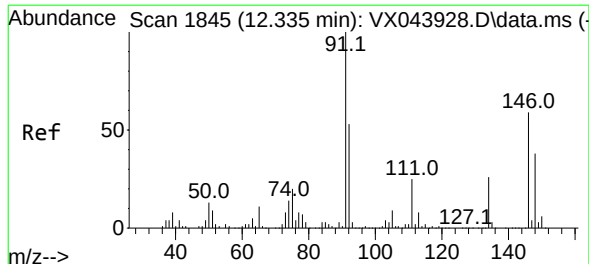
Tgt Ion:117 Resp: 18756

Ion Ratio Lower Upper

117 100

201 60.6 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 21.257 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

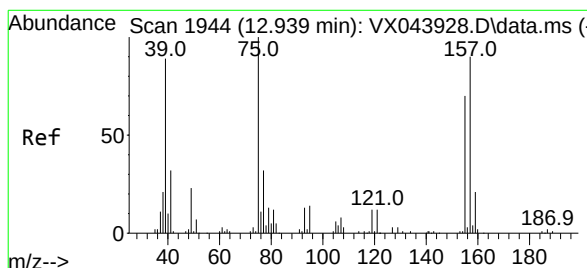
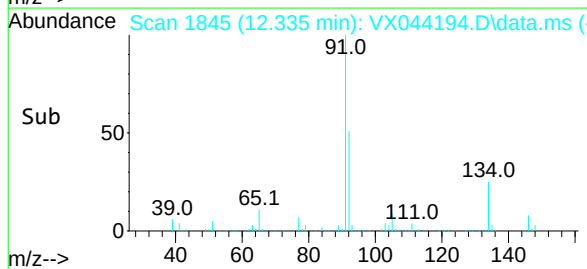
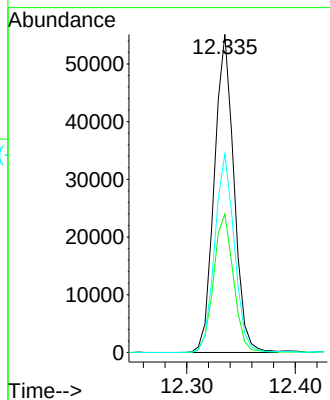
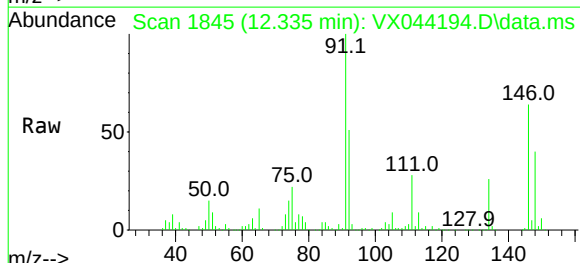
Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:	146	Resp:	69186
Ion Ratio	Lower	Upper	
146	100		
111	44.2	21.5	64.5
148	62.3	31.9	95.5

Manual Integrations
APPROVEDReviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

#92

1,2-Dibromo-3-Chloropropane

Concen: 20.679 ug/l

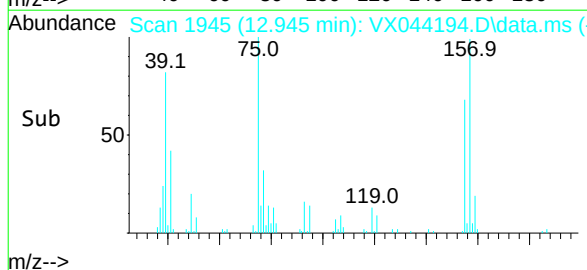
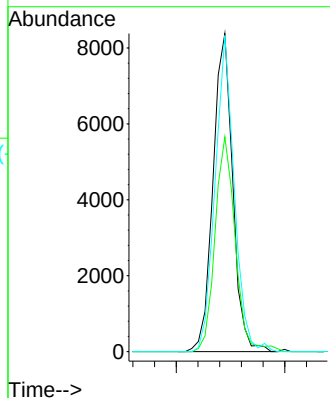
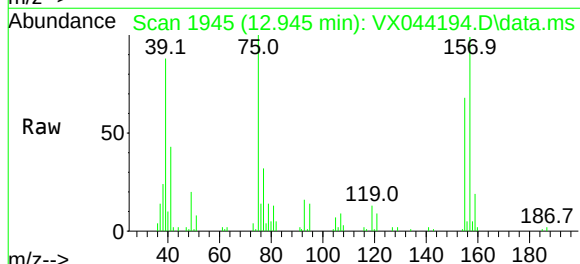
RT: 12.945 min Scan# 1945

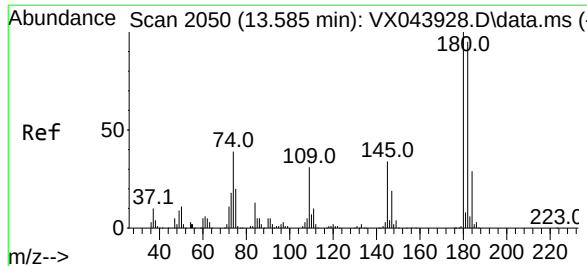
Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Tgt Ion:	75	Resp:	10532
Ion Ratio	Lower	Upper	
75	100		
155	69.2	40.1	120.2
157	96.9	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 19.375 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:180 Resp: 37178

Ion Ratio Lower Upper

180 100

182 94.1 48.0 144.2

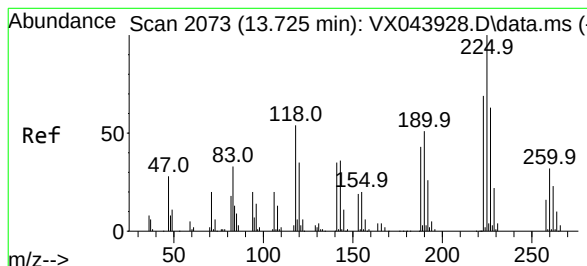
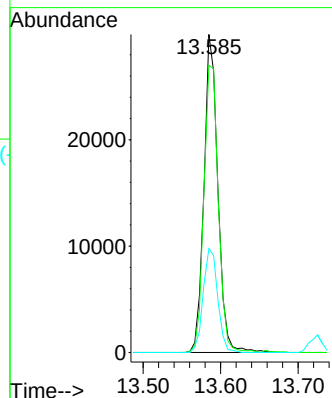
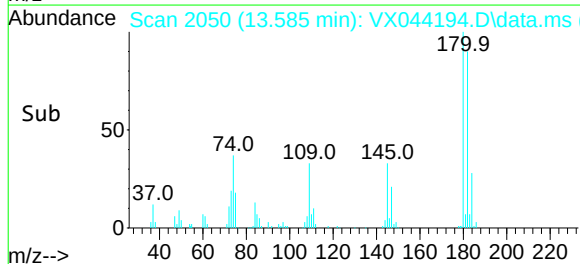
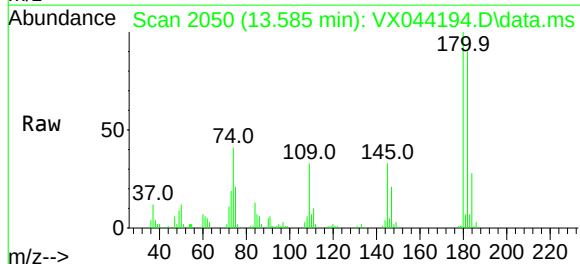
145 34.1 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#94

Hexachlorobutadiene

Concen: 19.561 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

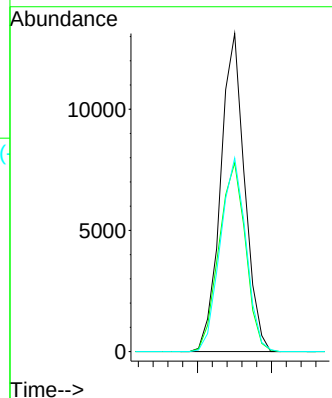
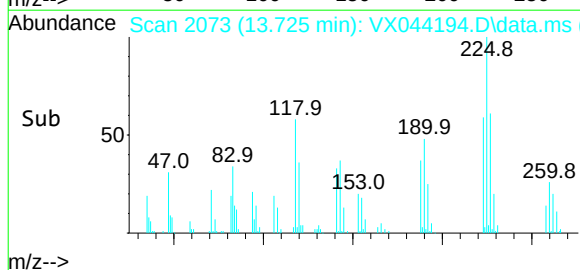
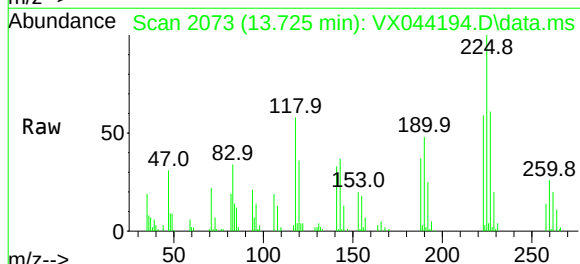
Tgt Ion:225 Resp: 14835

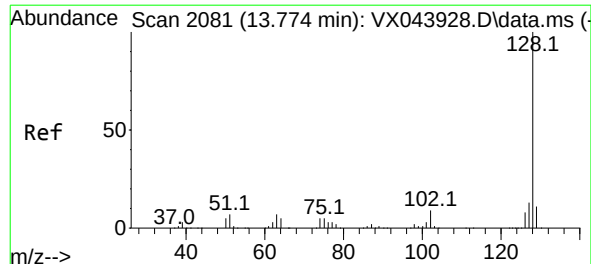
Ion Ratio Lower Upper

225 100

223 65.2 32.9 98.6

227 64.7 31.6 94.8





#95

Naphthalene

Concen: 21.670 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

Tgt Ion:128 Resp: 149688

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

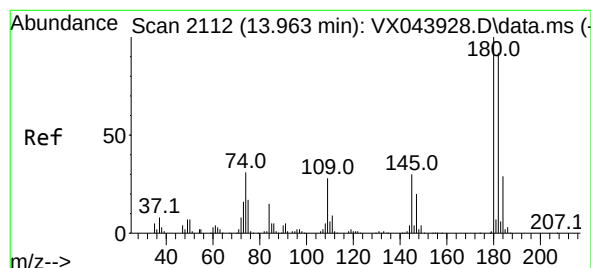
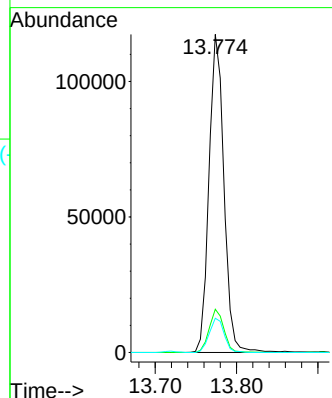
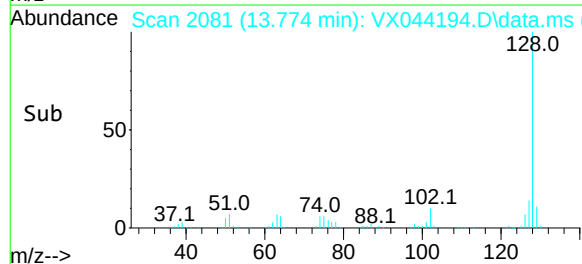
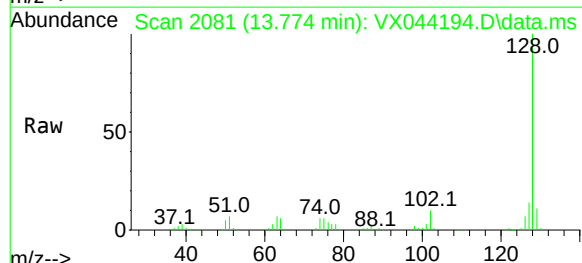
129 10.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 20.014 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

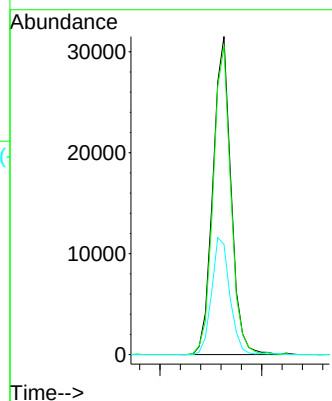
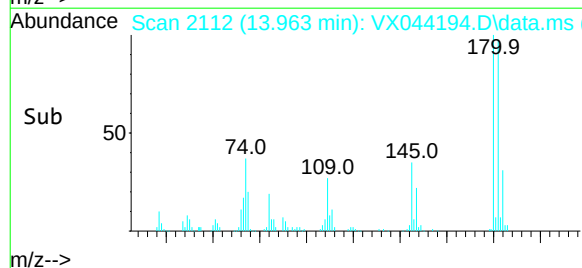
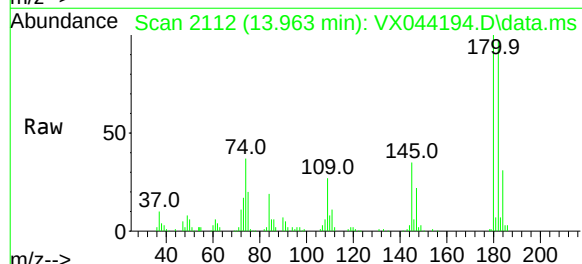
Tgt Ion:180 Resp: 38872

Ion Ratio Lower Upper

180 100

182 95.3 45.6 136.8

145 37.2 16.4 49.4



Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX043923.D	1,2,3-Trichloropropane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICV050	VX043923.D	1,4-Dioxane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,4-Dichlorobenzene	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Bromochloromethane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Ethyl Acetate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methacrylonitrile	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methyl methacrylate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,4-Dioxane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Ethyl Acetate	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Tert butyl alcohol	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC020	VX043927.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX043927.D	1,4-Dioxane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,4-Dioxane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,4-Dioxane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC150	VX043930.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:26 AM	MMDadoda	11/22/2024 3:33:50 PM	Peak Integrated by Software
VSTDICV050	VX043932.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:30 AM	MMDadoda	11/22/2024 3:33:52 PM	Peak Integrated by Software
VSTDCCC050	VX043948.D	1,2,3-Trichloropropane	MMDadoda	11/29/2024 8:03:03 AM	SAM	11/29/2024 8:03:34 AM	Peak Integrated by Software
VSTDCCC050	VX043948.D	2-Chloroethyl Vinyl ether	MMDadoda	11/29/2024 8:03:03 AM	SAM	11/29/2024 8:03:34 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX120924

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044174.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:53:49 AM	MMDadoda	12/10/2024 11:56:09 AM	Peak Integrated by Software
VX1209WBS01	VX044178.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:54:00 AM	MMDadoda	12/10/2024 11:56:12 AM	Peak Integrated by Software
VX1209WBSD0 1	VX044194.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:54:25 AM	MMDadoda	12/10/2024 11:56:18 AM	Peak Integrated by Software
VSTDCCC050	VX044195.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:54:29 AM	MMDadoda	12/10/2024 11:56:22 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX121024

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044197.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:09:47 AM	MMDadoda	12/11/2024 1:15:31 PM	Peak Integrated by Software
VX1210WBS01	VX044201.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:09:52 AM	MMDadoda	12/11/2024 1:15:32 PM	Peak Integrated by Software
VSTDCCC050	VX044217.D	1,2,3-Trichloropropane	JOHN	12/11/2024 10:10:56 AM	MMDadoda	12/11/2024 1:15:15 PM	Peak Integrated by Software

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043915.D	20 Nov 2024 15:43	JC/MD	Not Ok
2	VSTDIC001	VX043916.D	20 Nov 2024 16:11	JC/MD	Not Ok
3	VSTDIC005	VX043917.D	20 Nov 2024 16:57	JC/MD	Not Ok
4	VSTDIC020	VX043918.D	20 Nov 2024 17:20	JC/MD	Not Ok
5	VSTDIC050	VX043919.D	20 Nov 2024 17:43	JC/MD	Not Ok
6	VSTDIC100	VX043920.D	20 Nov 2024 18:06	JC/MD	Not Ok
7	VSTDIC150	VX043921.D	20 Nov 2024 18:30	JC/MD	Not Ok
8	IBLK	VX043922.D	20 Nov 2024 18:53	JC/MD	Not Ok
9	VSTDICV050	VX043923.D	20 Nov 2024 19:16	JC/MD	Not Ok
10	BFB	VX043924.D	21 Nov 2024 08:51	JC/MD	Ok
11	VSTDIC001	VX043925.D	21 Nov 2024 09:47	JC/MD	Ok,M
12	VSTDIC005	VX043926.D	21 Nov 2024 10:14	JC/MD	Ok,M
13	VSTDIC020	VX043927.D	21 Nov 2024 10:37	JC/MD	Ok,M
14	VSTDIC050	VX043928.D	21 Nov 2024 11:17	JC/MD	Ok,M
15	VSTDIC100	VX043929.D	21 Nov 2024 11:40	JC/MD	Ok,M
16	VSTDIC150	VX043930.D	21 Nov 2024 12:03	JC/MD	Ok,M
17	IBLK	VX043931.D	21 Nov 2024 12:27	JC/MD	Ok
18	VSTDICV050	VX043932.D	21 Nov 2024 13:57	JC/MD	Ok,M
19	VX1121MBL01	VX043933.D	21 Nov 2024 14:27	JC/MD	Ok
20	VX1121WBL01	VX043934.D	21 Nov 2024 14:50	JC/MD	Ok
21	VX1121WBS01	VX043935.D	21 Nov 2024 15:13	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40	JC/MD	Ok,M
23	P4921-01	VX043937.D	21 Nov 2024 16:03	JC/MD	Ok
24	P4934-01	VX043938.D	21 Nov 2024 16:27	JC/MD	Ok
25	P4934-09	VX043939.D	21 Nov 2024 16:50	JC/MD	Ok
26	P4934-11	VX043940.D	21 Nov 2024 17:13	JC/MD	Ok
27	P4934-02	VX043941.D	21 Nov 2024 17:36	JC/MD	Ok
28	P4934-03	VX043942.D	21 Nov 2024 17:59	JC/MD	Ok
29	P4934-08	VX043943.D	21 Nov 2024 18:23	JC/MD	Ok
30	P4934-10	VX043944.D	21 Nov 2024 18:46	JC/MD	Ok
31	P4934-04	VX043945.D	21 Nov 2024 19:09	JC/MD	Ok
32	P4934-12	VX043946.D	21 Nov 2024 19:32	JC/MD	Ok
33	P4934-05	VX043947.D	21 Nov 2024 19:55	JC/MD	Ok
34	VSTDCCC050	VX043948.D	21 Nov 2024 20:18	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2024 11:56:28 AM
SubDirectory	VX120924	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132018		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132019,VP132020		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044173.D	09 Dec 2024 09:06	JC/MD	Ok
2	VSTDCCC050	VX044174.D	09 Dec 2024 09:42	JC/MD	Ok,M
3	VX1209MBL01	VX044175.D	09 Dec 2024 10:12	JC/MD	Ok
4	VX1209WBL01	VX044176.D	09 Dec 2024 10:35	JC/MD	Ok
5	VX1209MBS01	VX044177.D	09 Dec 2024 10:58	JC/MD	Ok,M
6	VX1209WBS01	VX044178.D	09 Dec 2024 11:24	JC/MD	Ok,M
7	P5098-01	VX044179.D	09 Dec 2024 11:47	JC/MD	Ok
8	P5133-01MEDL	VX044180.D	09 Dec 2024 12:10	JC/MD	Not Ok
9	IBLK	VX044181.D	09 Dec 2024 12:34	JC/MD	Ok
10	P5133-01ME	VX044182.D	09 Dec 2024 12:57	JC/MD	Ok
11	VX1209MBSD01	VX044183.D	09 Dec 2024 13:20	JC/MD	Not Ok
12	P5164-01	VX044184.D	09 Dec 2024 13:43	JC/MD	Not Ok
13	P5164-04	VX044185.D	09 Dec 2024 14:07	JC/MD	Not Ok
14	P5164-06	VX044186.D	09 Dec 2024 14:30	JC/MD	Ok
15	P5164-05	VX044187.D	09 Dec 2024 14:54	JC/MD	ReRun
16	P5164-02	VX044188.D	09 Dec 2024 15:17	JC/MD	Ok
17	P5164-03	VX044189.D	09 Dec 2024 15:40	JC/MD	Ok
18	P5145-01	VX044190.D	09 Dec 2024 16:04	JC/MD	Ok
19	VX1209MBSD02	VX044191.D	09 Dec 2024 16:27	JC/MD	Not Ok
20	P5164-01	VX044192.D	09 Dec 2024 16:51	JC/MD	Ok
21	P5164-04	VX044193.D	09 Dec 2024 17:14	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM
Supervise By	Mahesh Dadoda	Supervise On	12/10/2024 11:56:28 AM
SubDirectory	VX120924	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132018		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132019,VP132020		

22	VX1209WBSD01	VX044194.D	09 Dec 2024 17:37	JC/MD	Ok,M
23	VSTDCCC050	VX044195.D	09 Dec 2024 18:00	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Maresh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132045		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044196.D	10 Dec 2024 09:01	JC/MD	Ok
2	VSTDCCC050	VX044197.D	10 Dec 2024 10:43	JC/MD	Ok,M
3	VX1210MBL01	VX044198.D	10 Dec 2024 11:12	JC/MD	Ok
4	VX1210WBL01	VX044199.D	10 Dec 2024 11:35	JC/MD	Ok
5	P5164-05	VX044200.D	10 Dec 2024 11:59	JC/MD	Ok
6	VX1210WBS01	VX044201.D	10 Dec 2024 12:22	JC/MD	Ok,M
7	VX1210WBSD01	VX044202.D	10 Dec 2024 12:52	JC/MD	Ok,M
8	IBLK	VX044203.D	10 Dec 2024 13:15	JC/MD	Ok
9	P5193-01	VX044204.D	10 Dec 2024 13:39	JC/MD	Ok
10	P5193-02	VX044205.D	10 Dec 2024 14:02	JC/MD	Ok
11	P5193-03	VX044206.D	10 Dec 2024 14:26	JC/MD	Ok
12	P5193-04	VX044207.D	10 Dec 2024 14:49	JC/MD	Ok
13	P5224-01	VX044208.D	10 Dec 2024 15:13	JC/MD	Ok
14	P5220-03	VX044209.D	10 Dec 2024 15:36	JC/MD	Not Ok
15	P5243-01	VX044210.D	10 Dec 2024 16:00	JC/MD	Ok
16	P5243-02	VX044211.D	10 Dec 2024 16:23	JC/MD	Ok
17	IBLK	VX044212.D	10 Dec 2024 16:47	JC/MD	Ok
18	IBLK	VX044213.D	10 Dec 2024 17:10	JC/MD	Ok
19	P5246-02	VX044214.D	10 Dec 2024 17:33	JC/MD	Ok
20	P5246-01	VX044215.D	10 Dec 2024 17:57	JC/MD	Ok
21	P5220-03	VX044216.D	10 Dec 2024 18:20	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Mahesh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132045		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047		

22	VSTDCCC050	VX044217.D	10 Dec 2024 18:44	JC/MD	Ok,M
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M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131686,VP131690
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721
CCC	VP131691
Internal Standard/PEM	
ICV/I.BLK	VP131722
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043915.D	20 Nov 2024 15:43		JC/MD	Not Ok
2	VSTDICC001	VSTDICC001	VX043916.D	20 Nov 2024 16:11	%D failed for Comp. #71,74,90,92 in 01 PPB	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX043917.D	20 Nov 2024 16:57	%D failed for Comp. #81 in 05 PPB	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX043918.D	20 Nov 2024 17:20		JC/MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VX043919.D	20 Nov 2024 17:43		JC/MD	Not Ok
6	VSTDICC100	VSTDICC100	VX043920.D	20 Nov 2024 18:06		JC/MD	Not Ok
7	VSTDICC150	VSTDICC150	VX043921.D	20 Nov 2024 18:30		JC/MD	Not Ok
8	IBLK	IBLK	VX043922.D	20 Nov 2024 18:53		JC/MD	Not Ok
9	VSTDICV050	ICVVX112124	VX043923.D	20 Nov 2024 19:16	Failed	JC/MD	Not Ok
10	BFB	BFB	VX043924.D	21 Nov 2024 08:51		JC/MD	Ok
11	VSTDICC001	VSTDICC001	VX043925.D	21 Nov 2024 09:47	%D failed for Comp. #71 in 01 PPB	JC/MD	Ok,M
12	VSTDICC005	VSTDICC005	VX043926.D	21 Nov 2024 10:14	QR- 58,71	JC/MD	Ok,M
13	VSTDICC020	VSTDICC020	VX043927.D	21 Nov 2024 10:37		JC/MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VX043928.D	21 Nov 2024 11:17		JC/MD	Ok,M
15	VSTDICC100	VSTDICC100	VX043929.D	21 Nov 2024 11:40		JC/MD	Ok,M
16	VSTDICC150	VSTDICC150	VX043930.D	21 Nov 2024 12:03		JC/MD	Ok,M
17	IBLK	IBLK	VX043931.D	21 Nov 2024 12:27		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	VSTDICV050	ICVVX112124	VX043932.D	21 Nov 2024 13:57		JC/MD	Ok,M
19	VX1121MBL01	VX1121MBL01	VX043933.D	21 Nov 2024 14:27		JC/MD	Ok
20	VX1121WBL01	VX1121WBL01	VX043934.D	21 Nov 2024 14:50		JC/MD	Ok
21	VX1121WBS01	VX1121WBS01	VX043935.D	21 Nov 2024 15:13		JC/MD	Ok,M
22	VX1121WBSD01	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40		JC/MD	Ok,M
23	P4921-01	WC-11-A-202411	VX043937.D	21 Nov 2024 16:03	vial B pH#5.0	JC/MD	Ok
24	P4934-01	TB01-20241118	VX043938.D	21 Nov 2024 16:27	vial A pH<2 TB;	JC/MD	Ok
25	P4934-09	FB01-20241119	VX043939.D	21 Nov 2024 16:50	vial A pH<2 FB;	JC/MD	Ok
26	P4934-11	RB01-20241119	VX043940.D	21 Nov 2024 17:13	vial A pH<2	JC/MD	Ok
27	P4934-02	BPOW6-11-20241118	VX043941.D	21 Nov 2024 17:36	vial A pH<2	JC/MD	Ok
28	P4934-03	BPOW6-7-20241118	VX043942.D	21 Nov 2024 17:59	vial A pH<2	JC/MD	Ok
29	P4934-08	BPOW6-9-20241119	VX043943.D	21 Nov 2024 18:23	vial A pH<2	JC/MD	Ok
30	P4934-10	BPOW6-8-20241119	VX043944.D	21 Nov 2024 18:46	vial A pH<2	JC/MD	Ok
31	P4934-04	DUP01-20241118	VX043945.D	21 Nov 2024 19:09	vial A pH<2	JC/MD	Ok
32	P4934-12	DUP02-20241119	VX043946.D	21 Nov 2024 19:32	vial A pH<2	JC/MD	Ok
33	P4934-05	BPOW6-10-20241119	VX043947.D	21 Nov 2024 19:55	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX043948.D	21 Nov 2024 20:18		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2024 11:56:28 AM
SubDirectory	VX120924	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132018		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132019,VP132020		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044173.D	09 Dec 2024 09:06		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044174.D	09 Dec 2024 09:42	V13516	JC/MD	Ok,M
3	VX1209MBL01	VX1209MBL01	VX044175.D	09 Dec 2024 10:12		JC/MD	Ok
4	VX1209WBL01	VX1209WBL01	VX044176.D	09 Dec 2024 10:35		JC/MD	Ok
5	VX1209MBS01	VX1209MBS01	VX044177.D	09 Dec 2024 10:58		JC/MD	Ok,M
6	VX1209WBS01	VX1209WBS01	VX044178.D	09 Dec 2024 11:24		JC/MD	Ok,M
7	P5098-01	TR-04-12042024	VX044179.D	09 Dec 2024 11:47		JC/MD	Ok
8	P5133-01MEDL	MOO-24-00374MEDL	VX044180.D	09 Dec 2024 12:10	run straight MEOH	JC/MD	Not Ok
9	IBLK	IBLK	VX044181.D	09 Dec 2024 12:34		JC/MD	Ok
10	P5133-01ME	MOO-24-00374ME	VX044182.D	09 Dec 2024 12:57		JC/MD	Ok
11	VX1209MBS01	VX1209WBSD01	VX044183.D	09 Dec 2024 13:20	Recovery fail	JC/MD	Not Ok
12	P5164-01	RE108D2-20241206	VX044184.D	09 Dec 2024 13:43	Run @ Lower Dilution	JC/MD	Not Ok
13	P5164-04	RE105D2-20241206	VX044185.D	09 Dec 2024 14:07	Run @ Lower Dilution	JC/MD	Not Ok
14	P5164-06	FB-20241206	VX044186.D	09 Dec 2024 14:30	vial A pH<2 FB	JC/MD	Ok
15	P5164-05	TB	VX044187.D	09 Dec 2024 14:54	vial A pH<2 TB; Hit of com# 3	JC/MD	ReRun
16	P5164-02	RE108D1-20241206	VX044188.D	09 Dec 2024 15:17	vial A pH<2	JC/MD	Ok
17	P5164-03	RE105D1-20241206	VX044189.D	09 Dec 2024 15:40	vial A pH<2	JC/MD	Ok
18	P5145-01	286085	VX044190.D	09 Dec 2024 16:04	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120924

Review By	John Carlone	Review On	12/10/2024 10:04:49 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2024 11:56:28 AM
SubDirectory	VX120924	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132018		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132019,VP132020		

19	VX1209MBSD02	VX1209WBSD01	VX044191.D	09 Dec 2024 16:27	Recovery fail	JC/MD	Not Ok
20	P5164-01	RE108D2-20241206	VX044192.D	09 Dec 2024 16:51	vial A pH<2	JC/MD	Ok
21	P5164-04	RE105D2-20241206	VX044193.D	09 Dec 2024 17:14	vial A pH<2	JC/MD	Ok
22	VX1209WBSD01	VX1209WBSD01	VX044194.D	09 Dec 2024 17:37		JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX044195.D	09 Dec 2024 18:00		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Maresh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132045
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044196.D	10 Dec 2024 09:01		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044197.D	10 Dec 2024 10:43	V13516	JC/MD	Ok,M
3	VX1210MBL01	VX1210MBL01	VX044198.D	10 Dec 2024 11:12		JC/MD	Ok
4	VX1210WBL01	VX1210WBL01	VX044199.D	10 Dec 2024 11:35		JC/MD	Ok
5	P5164-05	TB	VX044200.D	10 Dec 2024 11:59	vial B pH<2 TB	JC/MD	Ok
6	VX1210WBS01	VX1210WBS01	VX044201.D	10 Dec 2024 12:22		JC/MD	Ok,M
7	VX1210WBSD01	VX1210WBSD01	VX044202.D	10 Dec 2024 12:52	BSD high for com#52	JC/MD	Ok,M
8	IBLK	IBLK	VX044203.D	10 Dec 2024 13:15		JC/MD	Ok
9	P5193-01	Storage-Blank-SOIL-RE	VX044204.D	10 Dec 2024 13:39	vial A pH<2	JC/MD	Ok
10	P5193-02	Storage-Blank-WATER-	VX044205.D	10 Dec 2024 14:02	vial A pH<2	JC/MD	Ok
11	P5193-03	Storage-Blank-WATER-	VX044206.D	10 Dec 2024 14:26	vial A pH<2	JC/MD	Ok
12	P5193-04	Storage-Blank-SAMPLE	VX044207.D	10 Dec 2024 14:49	vial A pH<2	JC/MD	Ok
13	P5224-01	NP-WS-001	VX044208.D	10 Dec 2024 15:13	vial A pH<2	JC/MD	Ok
14	P5220-03	GAS-AUD-1610-1611-1	VX044209.D	10 Dec 2024 15:36	Run @ lower dilution	JC/MD	Not Ok
15	P5243-01	1203	VX044210.D	10 Dec 2024 16:00	vial A pH<2	JC/MD	Ok
16	P5243-02	1127-COMP	VX044211.D	10 Dec 2024 16:23	vial A pH<2	JC/MD	Ok
17	IBLK	IBLK	VX044212.D	10 Dec 2024 16:47		JC/MD	Ok
18	IBLK	IBLK	VX044213.D	10 Dec 2024 17:10		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121024

Review By	John Carlone	Review On	12/11/2024 10:16:07 AM
Supervise By	Maresh Dadoda	Supervise On	12/11/2024 1:15:19 PM
SubDirectory	VX121024	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132045		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132046,VP132047		

19	P5246-02	TB-20241209	VX044214.D	10 Dec 2024 17:33	vial A pH<2 TB	JC/MD	Ok
20	P5246-01	MW7-20241209	VX044215.D	10 Dec 2024 17:57	vial A pH<2	JC/MD	Ok
21	P5220-03	GAS-AUD-1610-1611-1	VX044216.D	10 Dec 2024 18:20	vial A pH<2	JC/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VX044217.D	10 Dec 2024 18:44		JC/MD	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : P5164

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX120924,VX121024,

Standard ID :

VP128762,VP128766,VP130430,VP131746,VP131767,VP131987,VP132005,VP132018,VP132019,VP132020,VP132035,VP132045,VP132046,VP132047,

Chemical ID :

V12794,V12798,V13391,V13445,V13462,V13463,V13707,V13806,V14020,V14021,V14105,V14106,V14145,V14147,V14152,V14154,V14173,V14174,V14192,V14194,V14201,V14289,V14434,V14437,V14614,V14630,V14631,V14632,V14633,V14650,V14651,V14652,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>
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = 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>
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 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>
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>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131987	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/12/2024								

FROM 1.00000ml of V14652 + 1.50000ml of V14650 + 1.50000ml of V14651 + 21.00000ml of V14152 = 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>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132005	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 12/12/2024

FROM 0.40000ml of V13445 + 1.00000ml of V13806 + 1.00000ml of V14020 + 1.00000ml of V14021 + 1.00000ml of V14105 +
1.00000ml of V14106 + 1.00000ml of V14173 + 1.00000ml of V14174 + 1.00000ml of V14194 + 1.00000ml of V14434 +
1.00000ml of V14437 + 1.50000ml of V14192 + 1.50000ml of V14201 + 10.60000ml of V14152 = 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>
589	BFB TUNE CHECK	VP132018	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

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	VP132019	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt
12/10/2024								

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131987 + 0.01250ml of VP132005 = 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	VP132020	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt
12/10/2024								

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131987 + 0.01250ml of VP132005 = 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>
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

<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	VP132045	12/10/2024	12/11/2024	John Carlone	None	None	Maresh Dadoda
								12/12/2024

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	VP132046	12/10/2024	12/11/2024	John Carlone	None	None	Maresh Dadoda
FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = 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	VP132047	12/10/2024	12/11/2024	John Carlone	None	None	Maresh Dadoda
FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = 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.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

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)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

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	11/26/2024 / SAM	01/23/2023 / SAM	V13445

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	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

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	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

CHEMICAL RECEIPT LOG BOOK

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	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13806

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)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14020

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)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14021

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	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14105

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	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14106

LOTS

CHEMICAL RECEIPT LOG BOOK

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	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

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	04/14/2025	10/14/2024 / SAM	02/06/2024 / SAM	V14152

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	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14173

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	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14174

CHEMICAL RECEIPT LOG BOOK

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	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14192

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	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14194

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	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14201

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	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14434

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	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14437

CHEMICAL RECEIPT LOG BOOK

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 #
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

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 #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14650

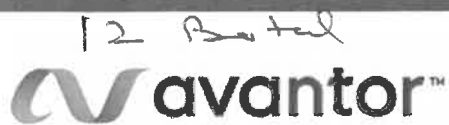
CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14652

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



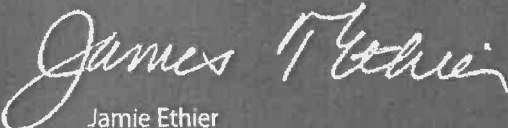
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

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: **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**

<i>Prashant Chauhan</i>		021624
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentes</i>		021624
Reviewed By:	Pedro L. Rentes	DATE

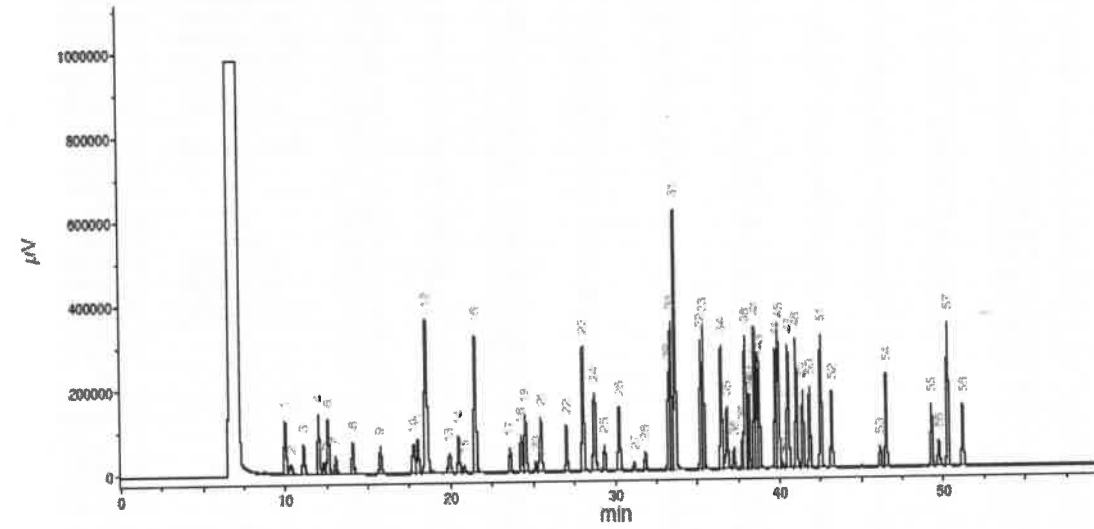
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

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)	SHBK6079	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 780mg/kg
14. 2-Nitropropane	(0481)	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	2001.6	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	74-95-3	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	40005.0	2000	NA	NA	0.017	NA	NA	2000.2	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-Dichloropropene	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	87-68-3	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 836mg/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	40006.2	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	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-98-3	200 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	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	1999.7	22.9	97-81-6	N/A	or-rat 5000mg/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	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	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	1999.6	22.9	106-67-8	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	1999.8	22.9	99-06-6	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	106-43-4	N/A	or-rat 2100mg/kg
63. 1,2-Dichlorobenzene	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
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.			

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	18.48
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hydropropane	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	46.48
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**

<i>Prashant Chauhan</i>		021624
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentes</i>		021624
Reviewed By:	Pedro L. Rentes	DATE

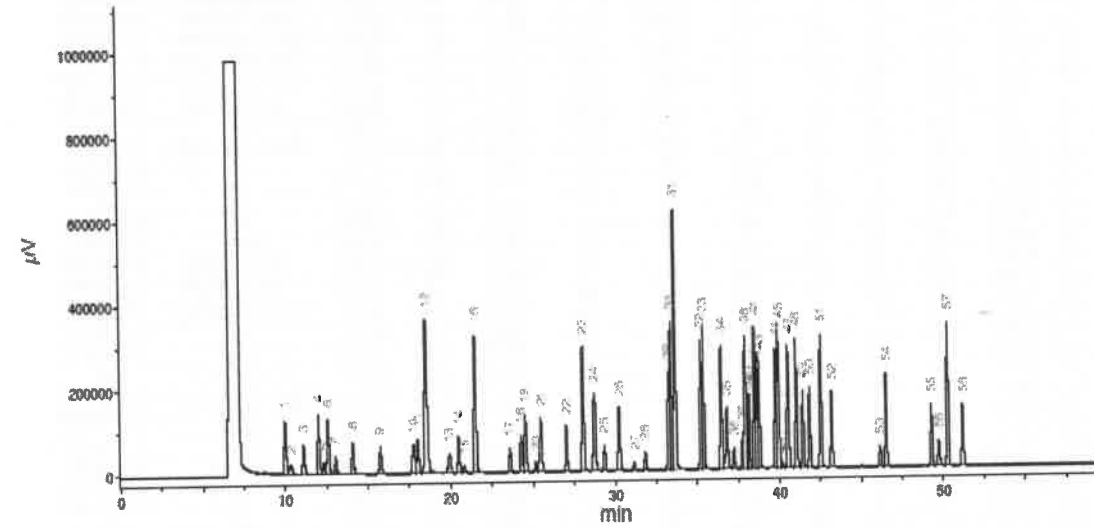
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

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)	SHBK6579	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	(0481)	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
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	74-95-3	N/A	or-rat 108mg/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) (linal)	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	40005.0	2000	NA	NA	0.017	NA	NA	2000.2	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	2002.0	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
36. 1,1-Dichloropropene	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	87-68-3	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 (60mg/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	1999.8	22.9	108-98-1	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	99-87-6	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 4900mg/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	108-98-8	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	or-rat 1390mg/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	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	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	1999.6	22.9	106-67-8	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	1999.8	22.9	99-06-6	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	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
62. 4-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
63. 1,2-Dichlorobenzene	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
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6				

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-Hydropropane	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	35.39
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	37.99
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

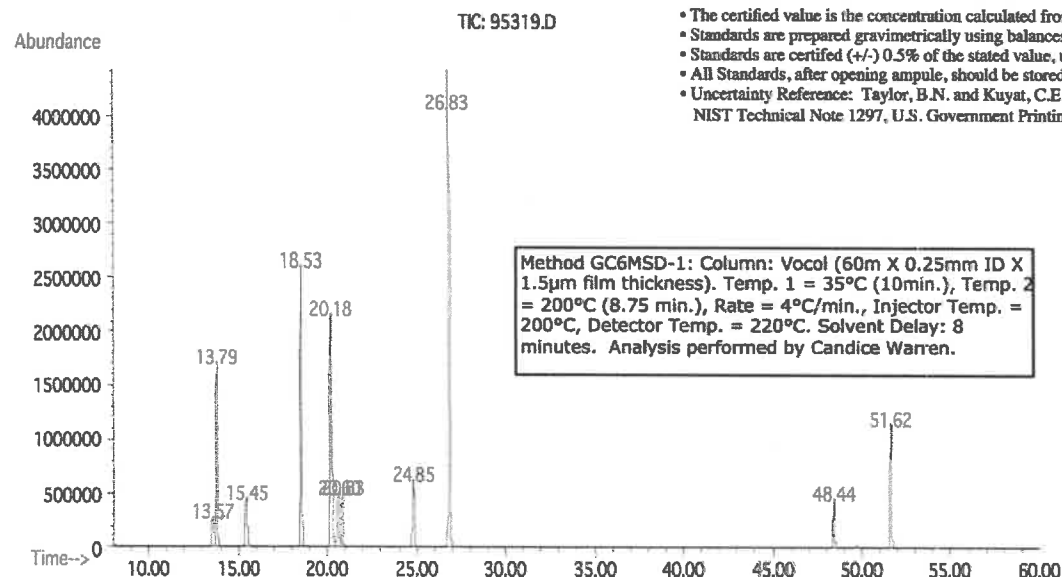
Part Number: **95319**
Lot Number: **032922**
Description: **Revised Additions Mix**
11 components

Solvent(s): **Lot#**
Methanol EC592-US

Expiration Date: **032925**Recommended Storage: **Refrigerate (4 °C)**Nominal Concentration (µg/mL): **Varied**NIST Test ID#: **6UTB****5E-05 Balance Uncertainty**Weight(s) shown below were combined and diluted to (mL): **100.0 0.012 Flask Uncertainty**

Prashant Chauhan **032922**
Formulated By: **Prashant Chauhan** DATE
Pedro L. Rentas **032922**
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. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	ori-rat 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).

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

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 Rosotto 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:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

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 WEIGHT REPORT

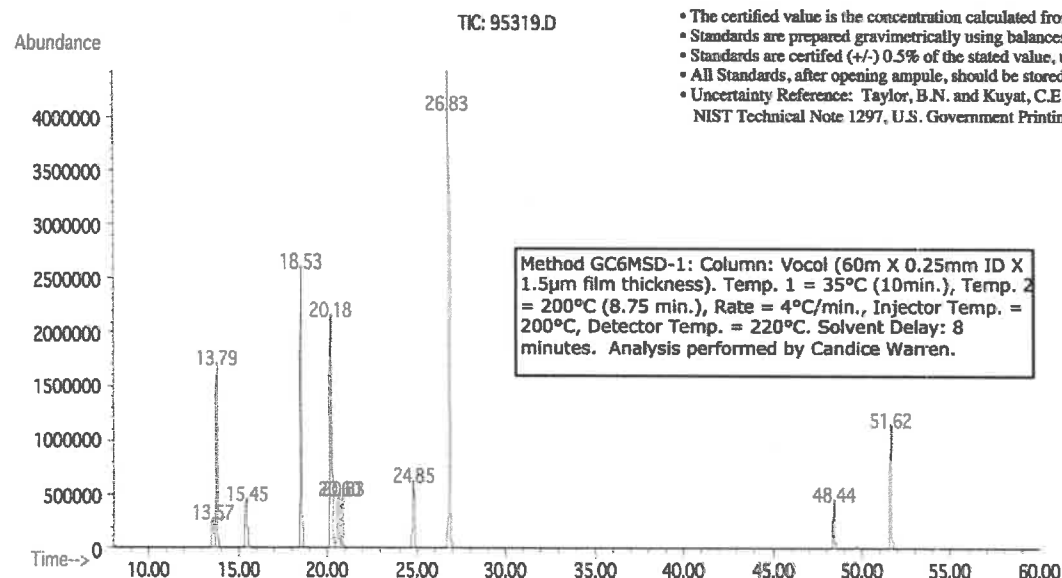
Part Number: **95319**
Lot Number: **032922**
Description: **Revised Additions Mix**
11 components

Solvent(s): **Lot#**
Methanol EC592-US

Expiration Date: **032925**Recommended Storage: **Refrigerate (4 °C)**Nominal Concentration (µg/mL): **Varied**NIST Test ID#: **6UTB****5E-05 Balance Uncertainty**Weight(s) shown below were combined and diluted to (mL): **100.0 0.012 Flask Uncertainty**

Prashant Chauhan **032922**
Formulated By: **Prashant Chauhan** DATE
Pedro L. Rentas **032922**
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. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	ori-rat 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).

Method GC6MSD-1: Column: Vocol (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., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

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 Rosotto 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:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

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**

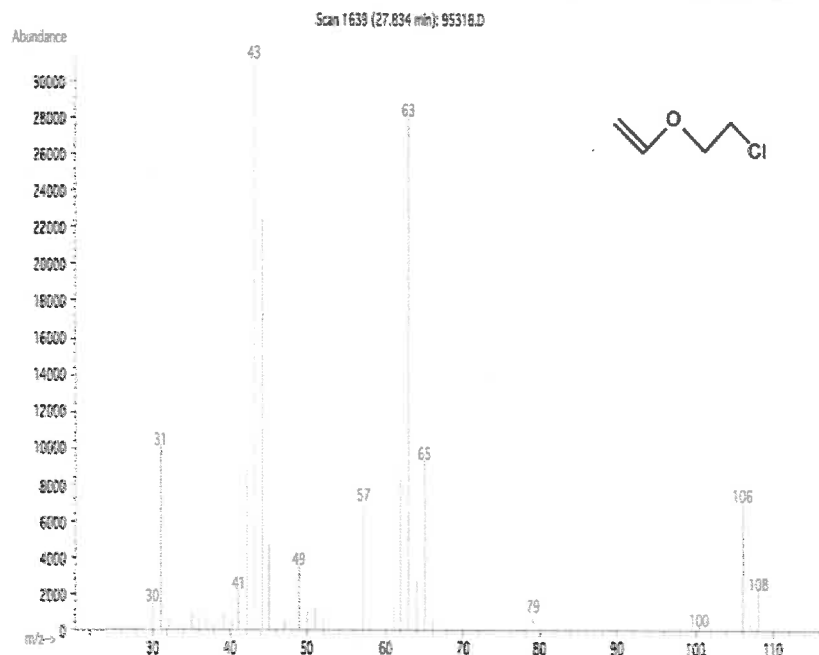
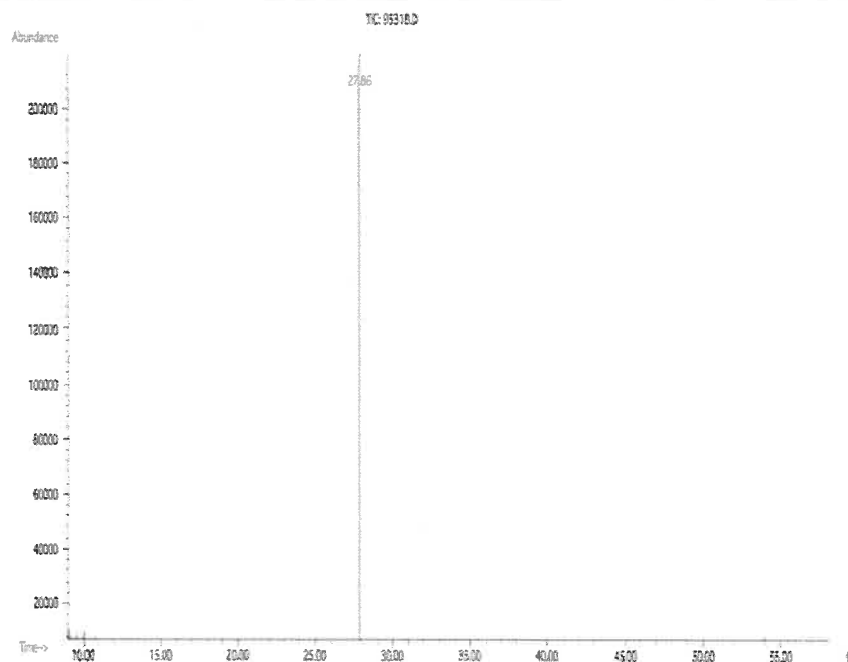
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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.
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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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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
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Potential for skin absorption, ingestion and inhalation.		
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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

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OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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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**

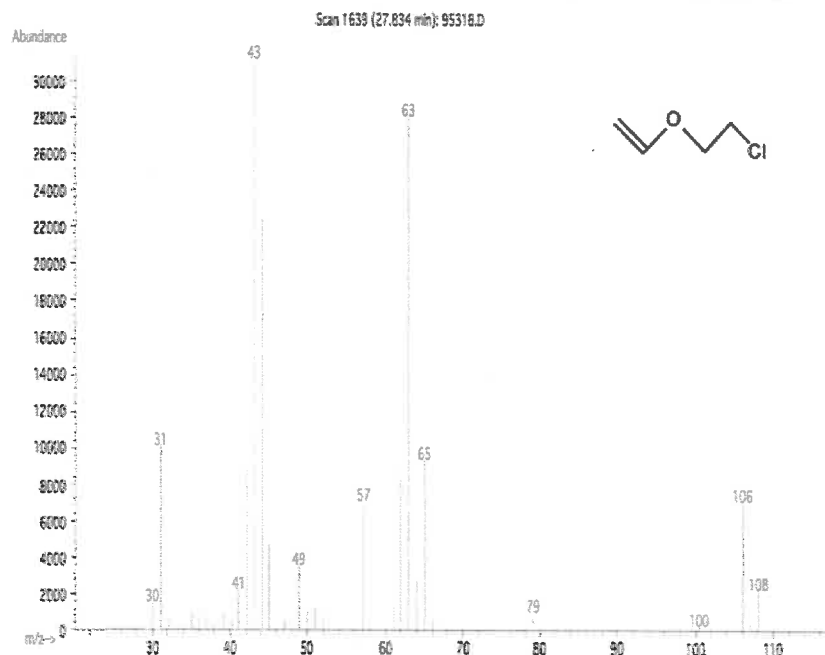
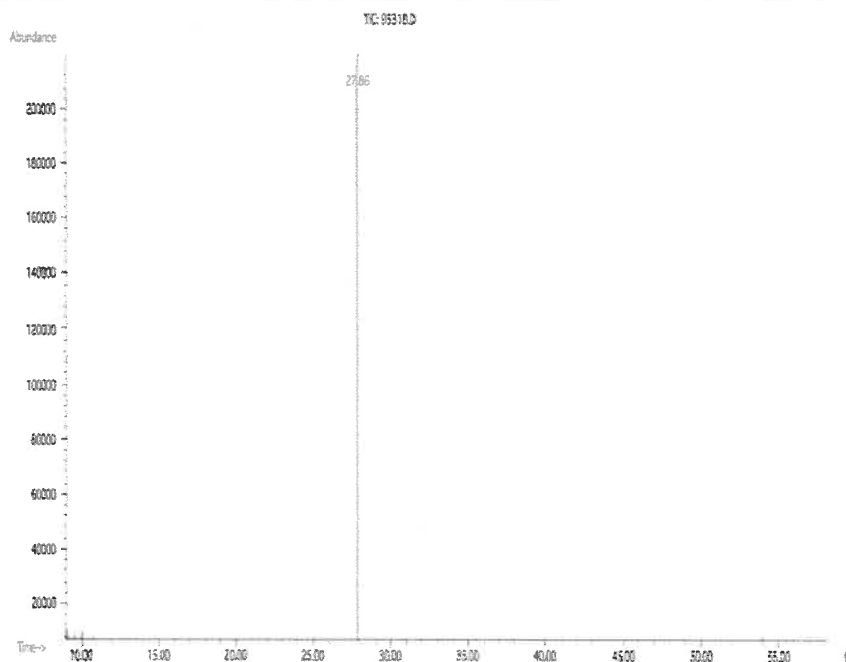
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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.



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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**

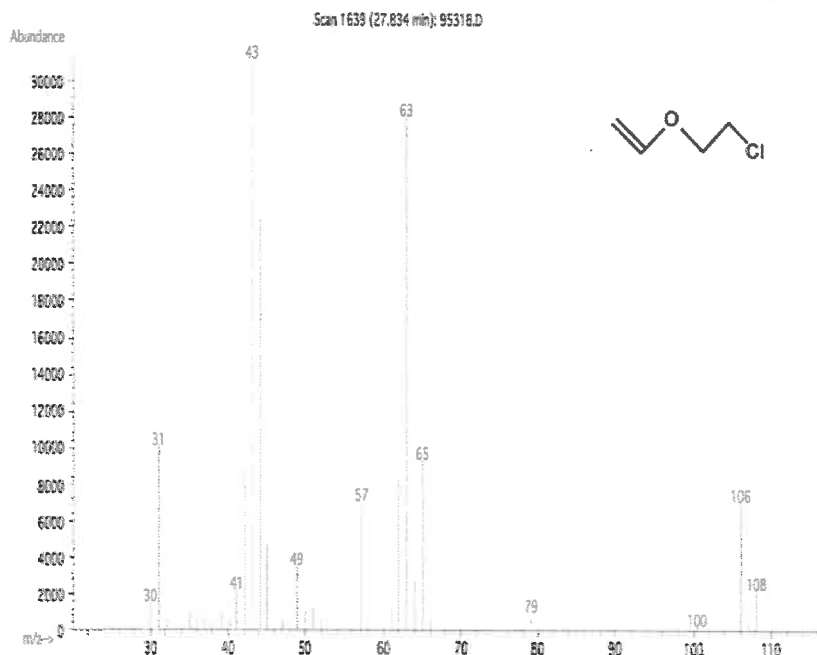
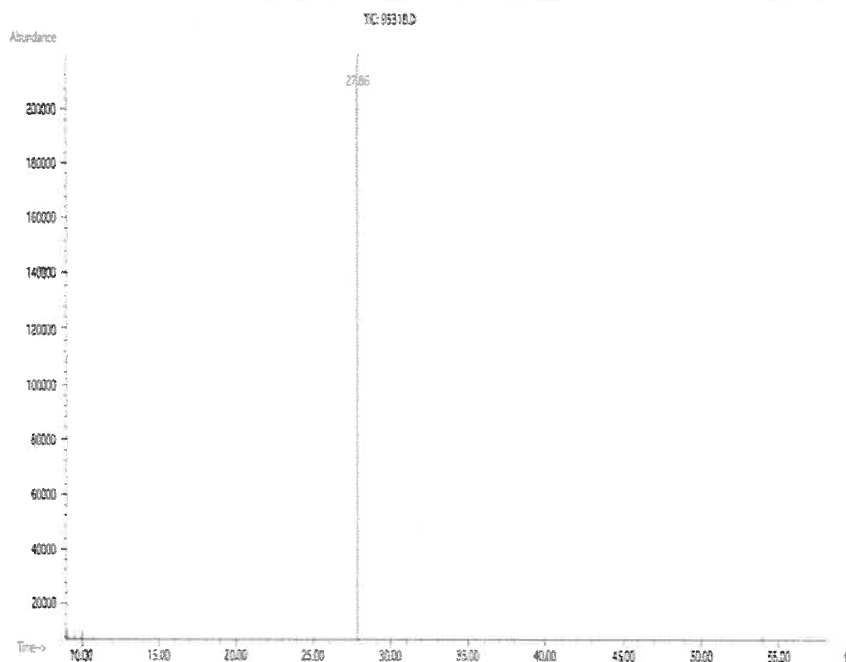
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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**

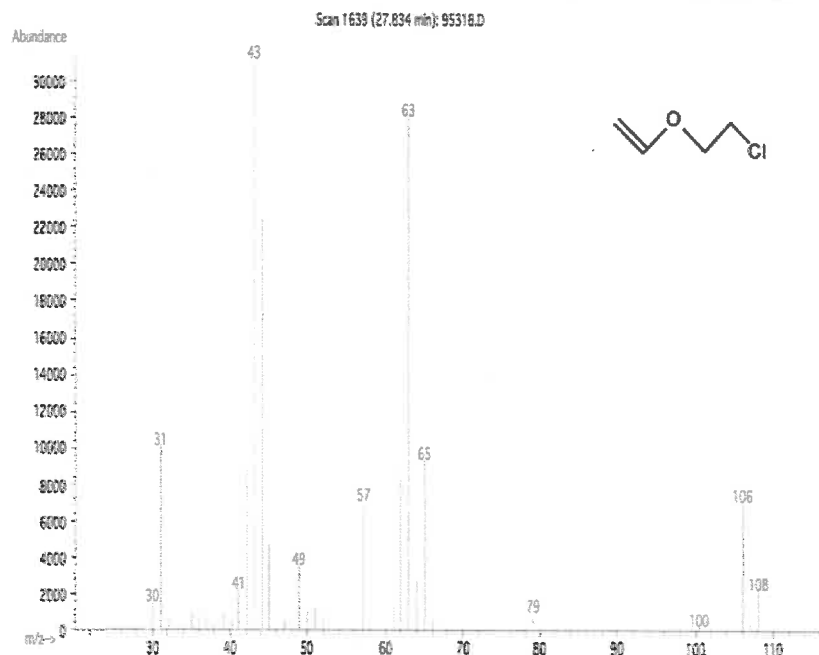
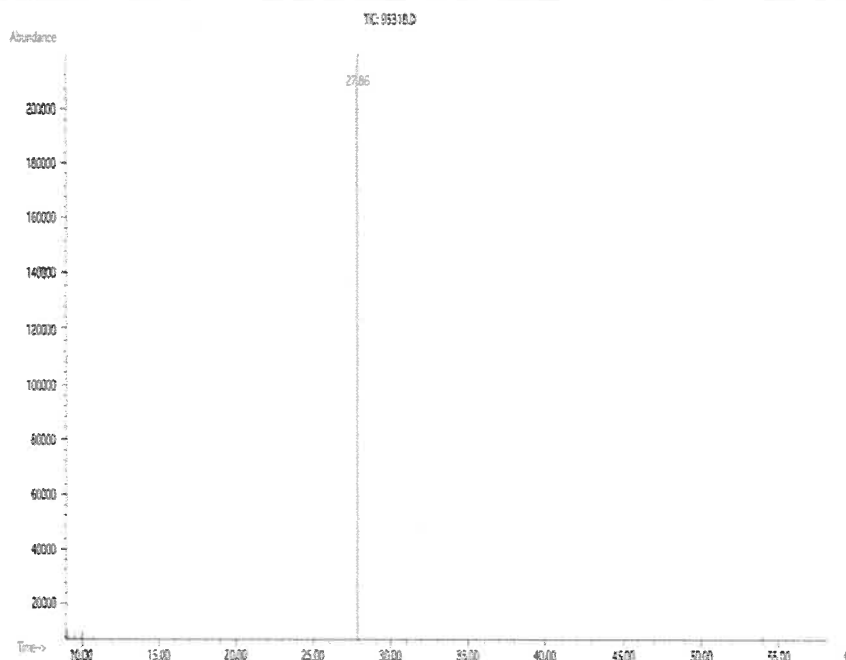
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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	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. 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.

Absolute Standards, Inc.

800-368-1131
www.absolutestandards.com



Certified Reference Material CRM

Dec 12/6/24
5 vial



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **120524**
Description: **Acrolein**

Solvent(s):
Water
Lot# 072324Q

V14 650-54

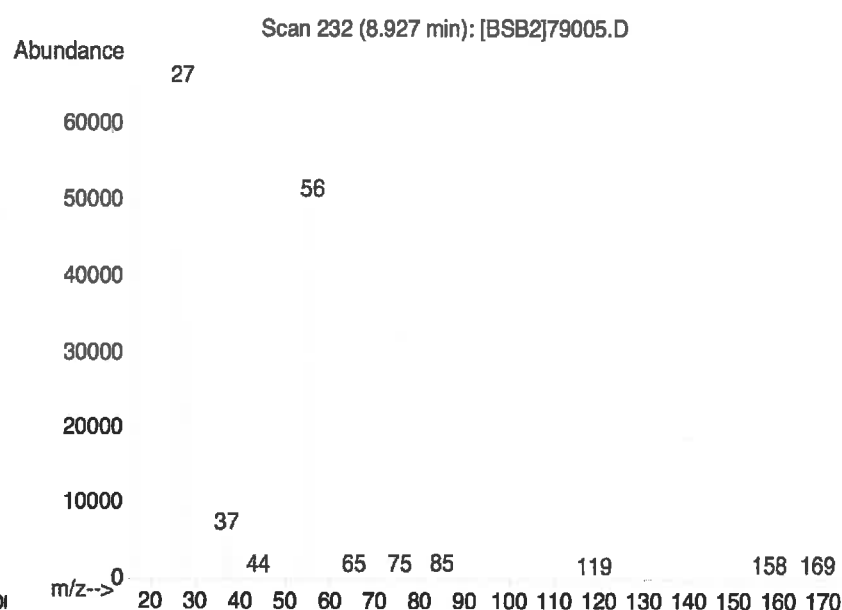
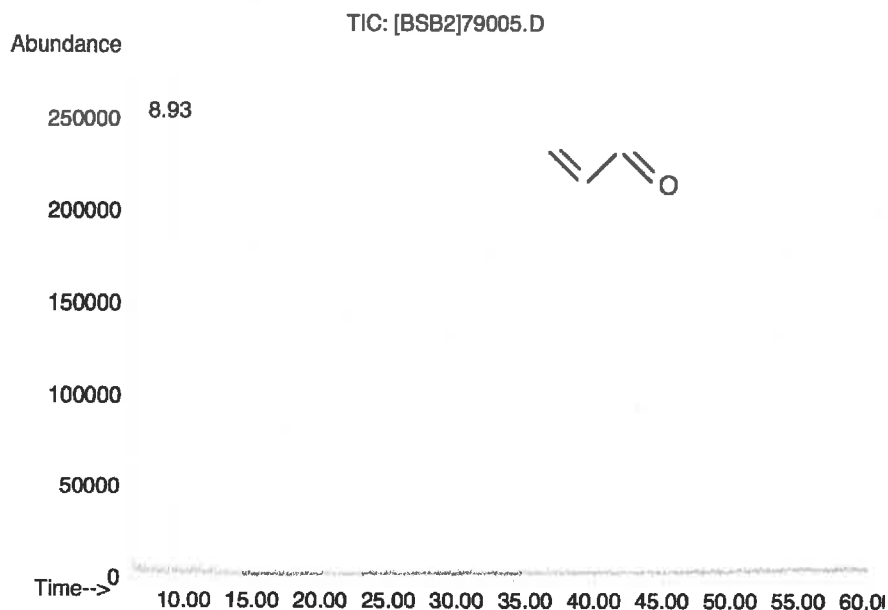
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Balance Uncertainty
0.002 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
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. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	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 Rossetto 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.
	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

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 (H ₂ O = 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
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.

Absolute Standards, Inc.

800-368-1131
www.absolutestandards.com



Certified Reference Material CRM

Dec 12/6/24
5 vial



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **120524**
Description: **Acrolein**

Solvent(s):
Water
Lot# 072324Q

V14 650-54

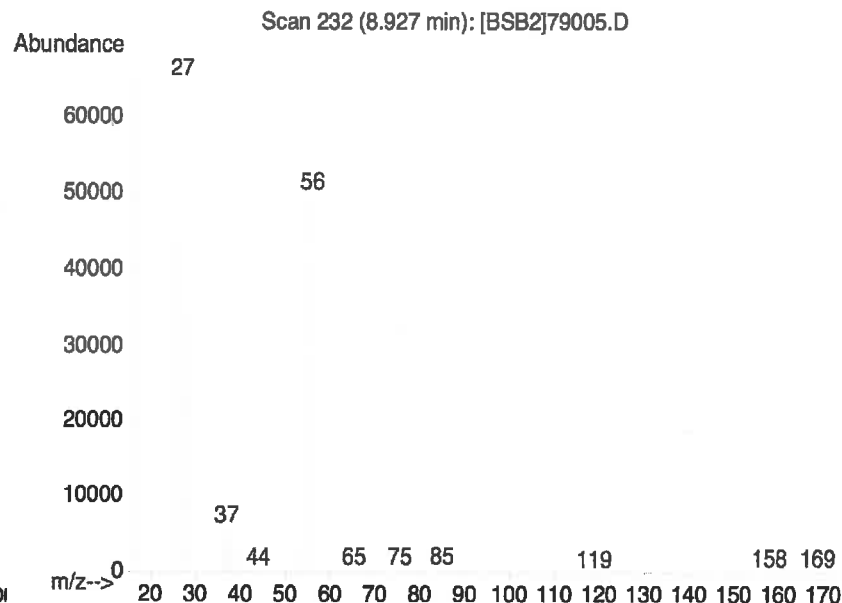
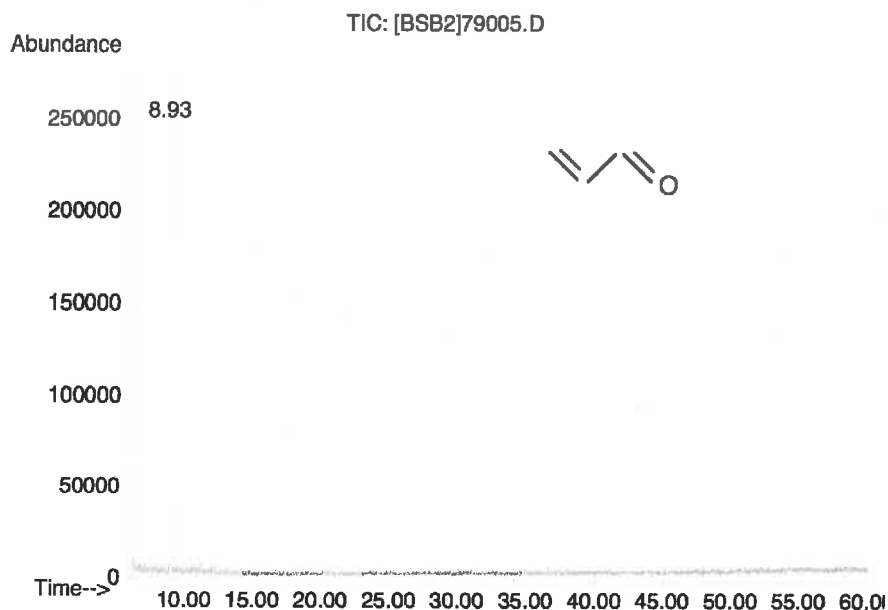
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Balance Uncertainty
0.002 Flask Uncertainty

Formulated By: Prashant Chauhan	120524
Reviewed By: Pedro L. Rentas	120524

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	0.10307	0.10320	5006.1	51.8	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 Rossetto 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.
	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

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 (H ₂ O = 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
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.

Absolute Standards, Inc.

800-368-1131
www.absolutestandards.com



Certified Reference Material CRM

Dec 12/6/24
5 vial



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **120524**
Description: **Acrolein**

Solvent(s):
Water
Lot#
072324Q

V14 650-54

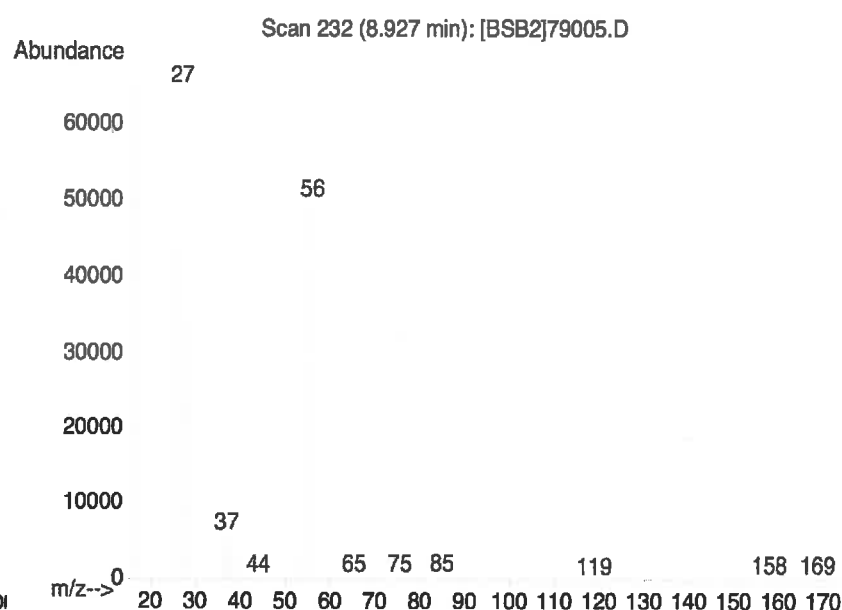
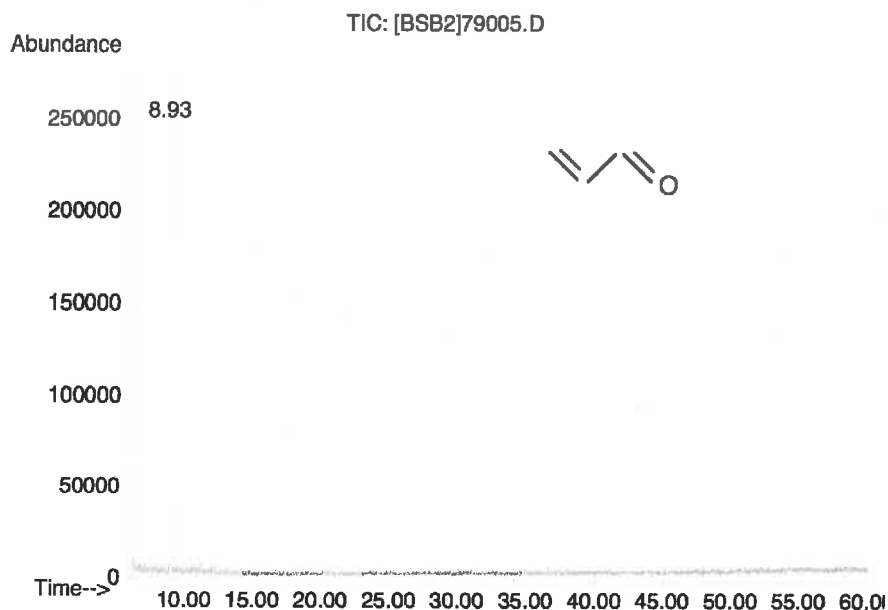
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Balance Uncertainty
0.002 Flask Uncertainty

		120524
Formulated By:	Prashant Chauhan	DATE
		120524
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. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	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 Rossetto 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.
	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

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 (H ₂ O = 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
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

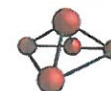
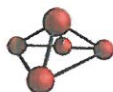
DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

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 WEIGHT REPORT

Part Number: **95318**
Lot Number: **121321**
Description: **2-Chloroethyl vinyl ether**

Solvent(s): **Methanol**
Lot#: **EA899-US**

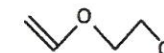
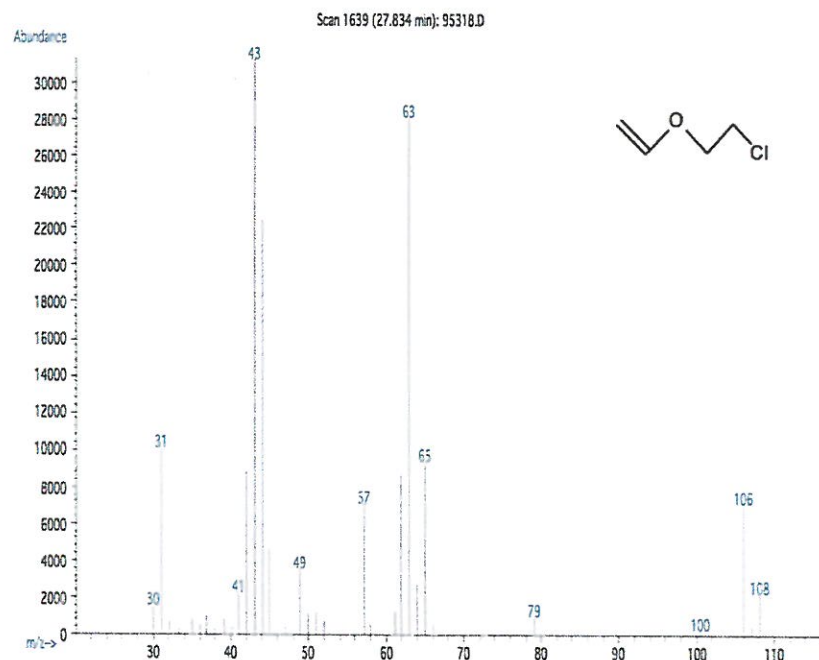
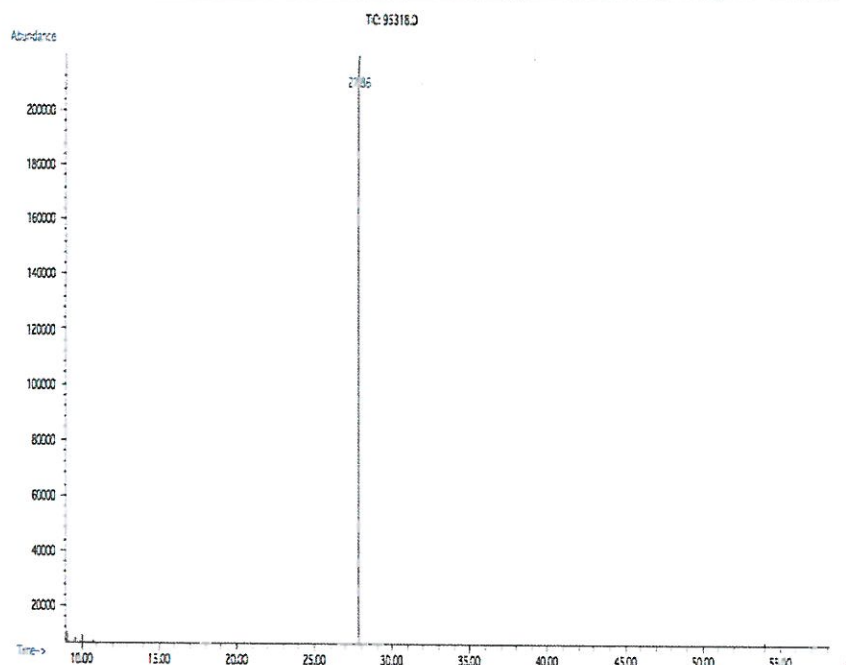
Expiration Date: **121324**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **30.0**
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

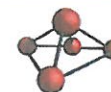
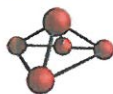
Formulated By: **Benson Chan** 121321
Reviewed By: **Pedro L. Rentas** 121321
DATE

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	0.30320	0.30411	10030.2	40.7	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 WEIGHT REPORT

Part Number: **95318**
Lot Number: **121321**
Description: **2-Chloroethyl vinyl ether**

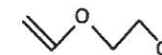
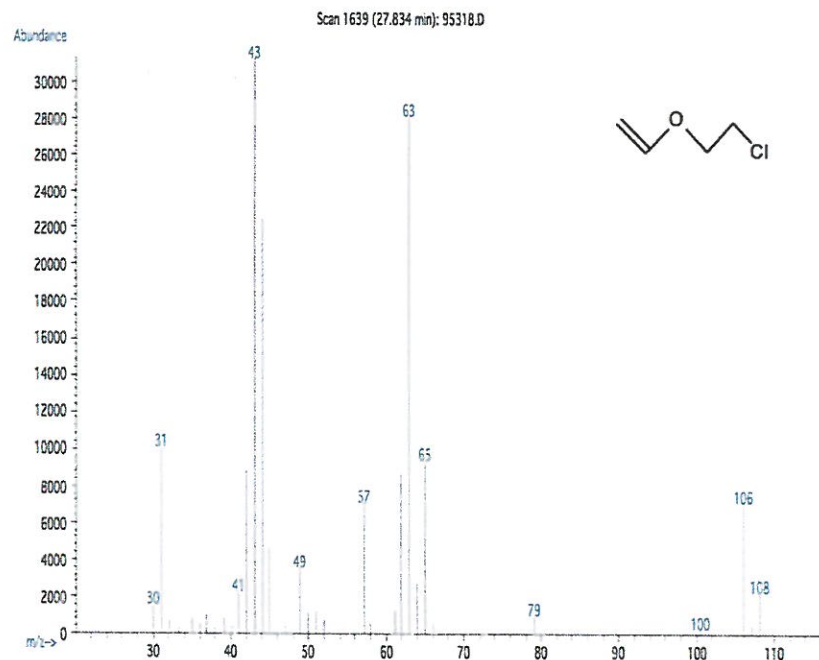
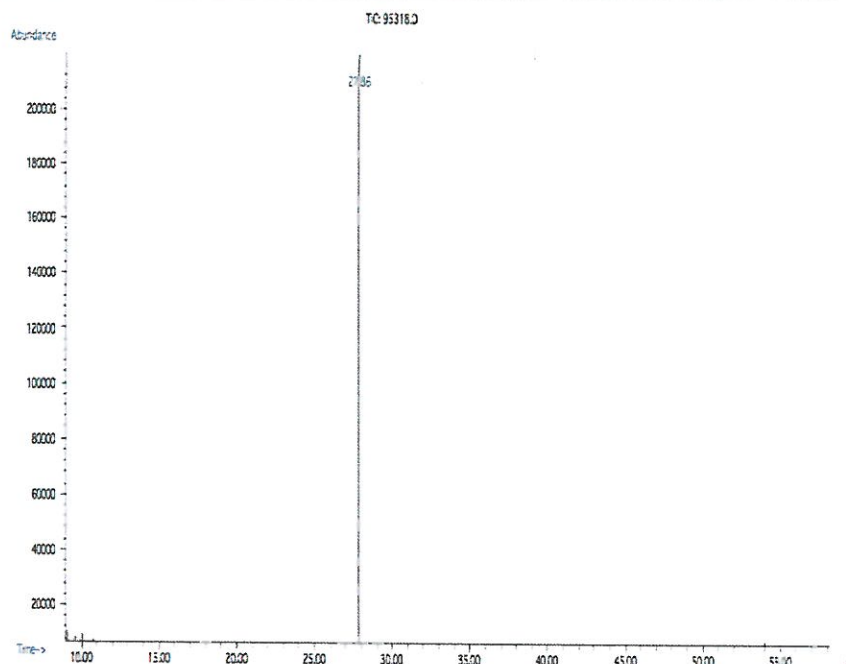
Solvent(s): **Lot#**
Methanol EA899-US

		121321
Formulated By:	Benson Chan	DATE
		121321
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 30.0
5E-05 Balance Uncertainty
0.0003 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. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	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.
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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)

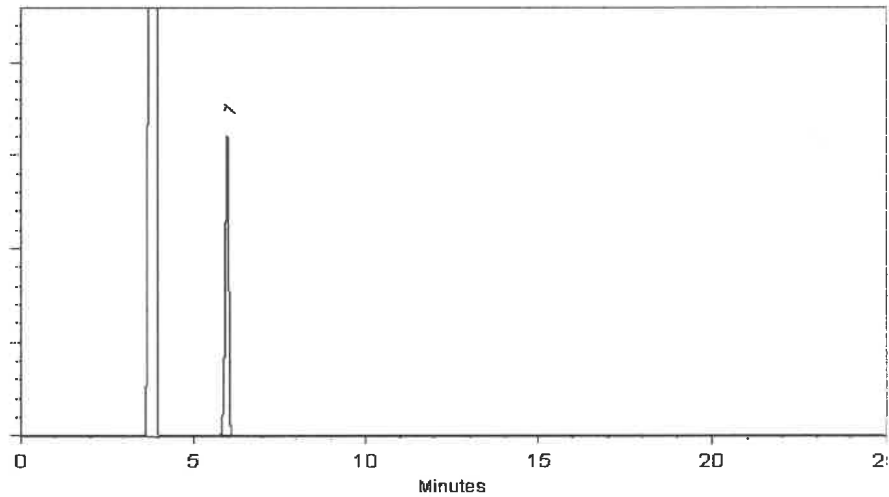
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

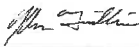
Inj. Temp:
200°C

Det. Temp:
250°C

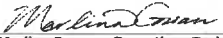
Det. Type:
FID



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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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:

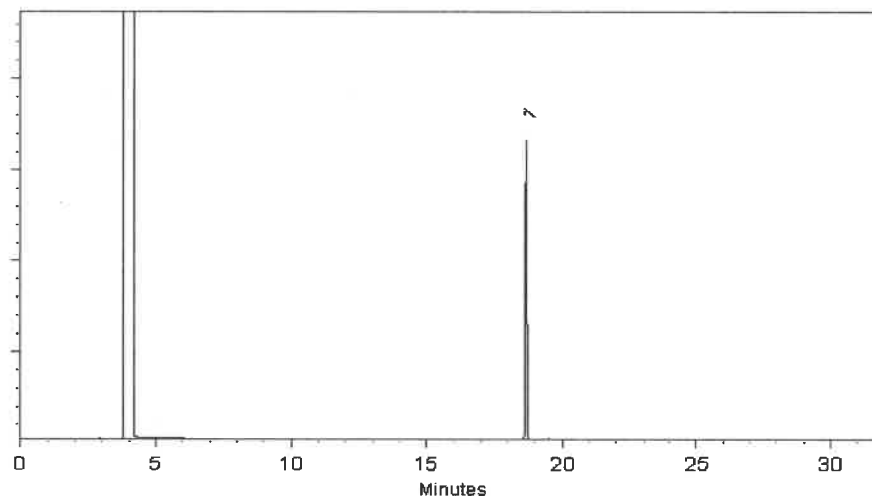
FID

Split Vent:

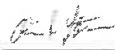
40 ml/min

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

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. : 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:

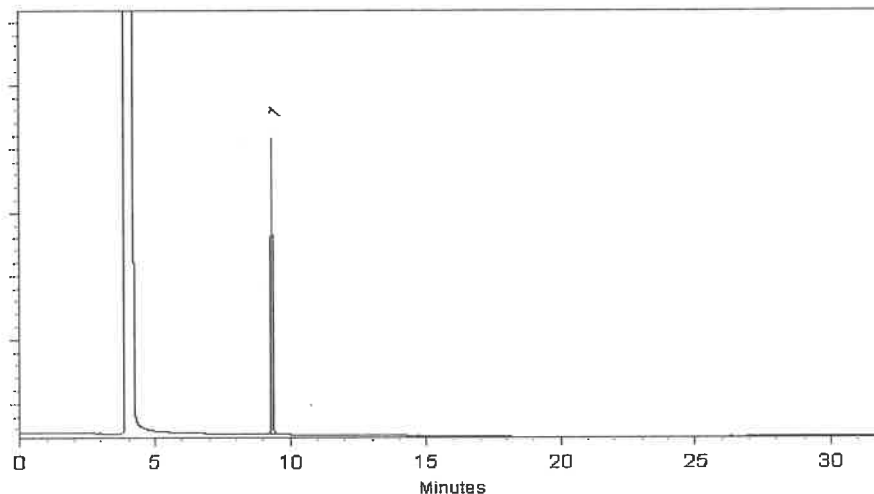
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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: 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.
- 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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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:

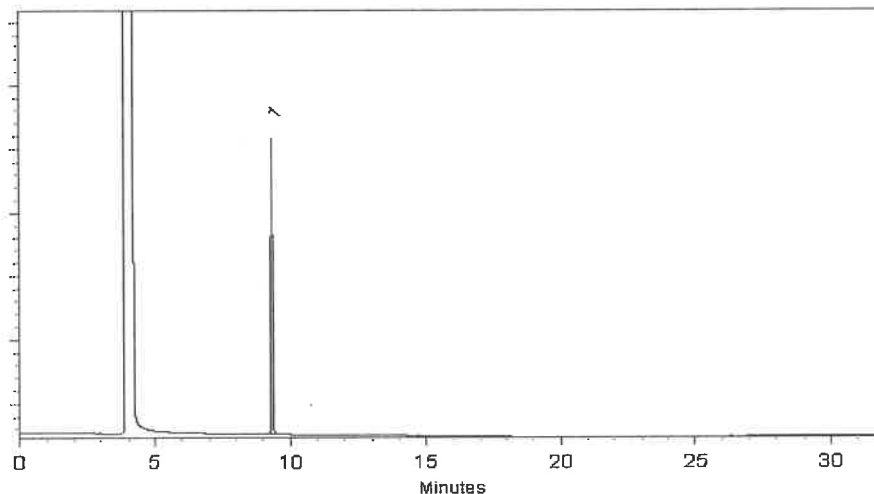
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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: 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.
- 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

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. : 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:

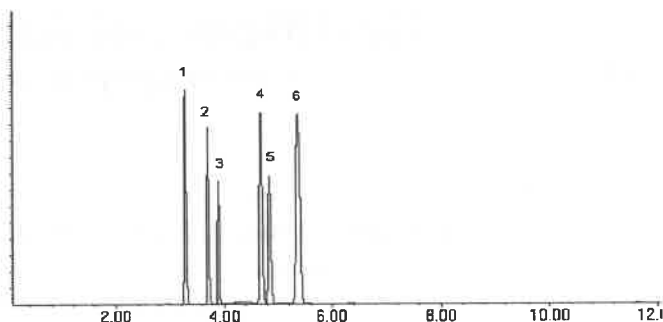
MSD

Split Vent:

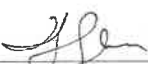
Split ratio 10:1

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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:

- 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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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. : 30006 **Lot No.:** A0200785

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 : November 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%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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:

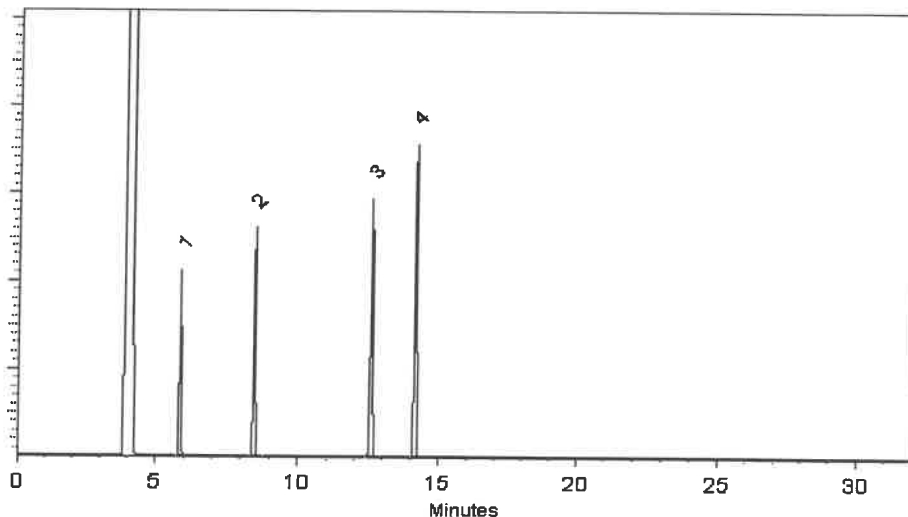
FID

Split Vent:

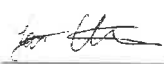
40 ml/min

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.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-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.
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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. : 30006 **Lot No.:** A0200785

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 : November 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%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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:

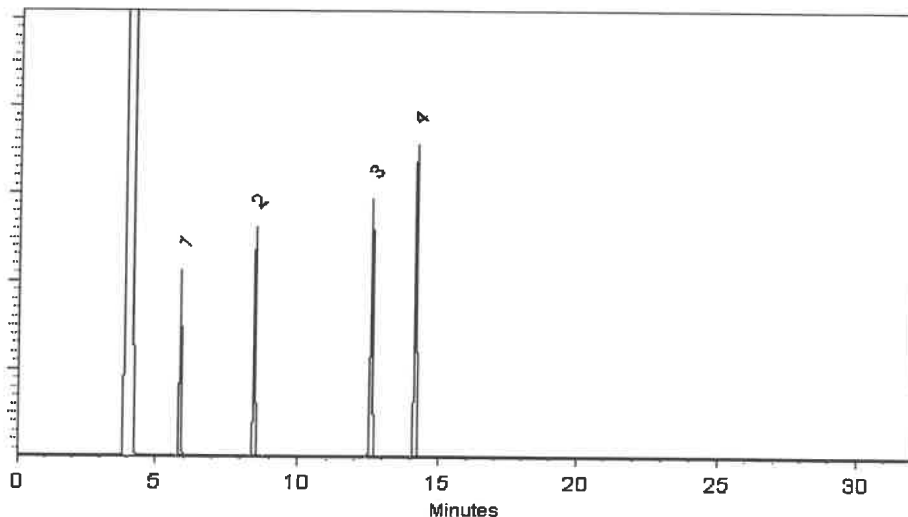
FID

Split Vent:

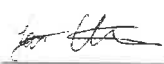
40 ml/min

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.


Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-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:

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Catalog No. : 30006 **Lot No.:** A0200785

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 : November 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%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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:

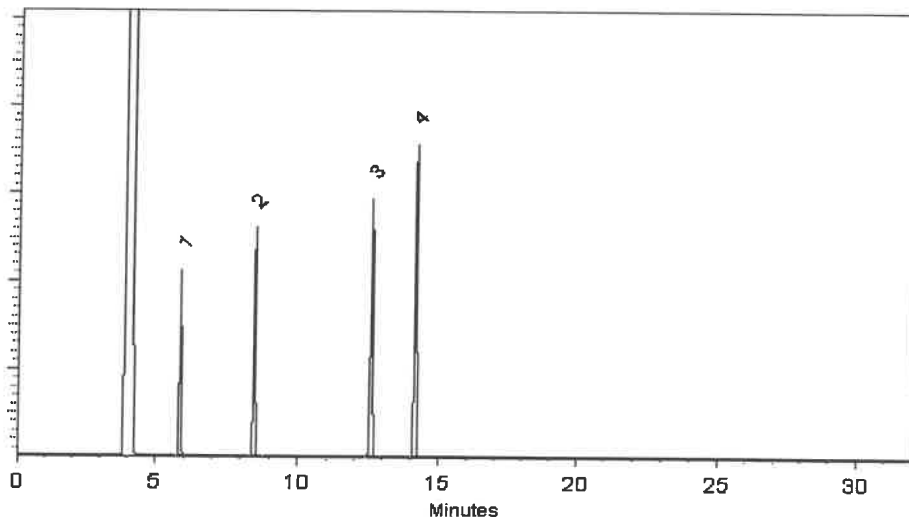
FID

Split Vent:

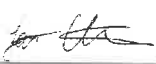
40 ml/min

Inj. Vol

1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271


Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-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:

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12
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. : 555408-SL **Lot No.:** A0205179
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, 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	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* 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:

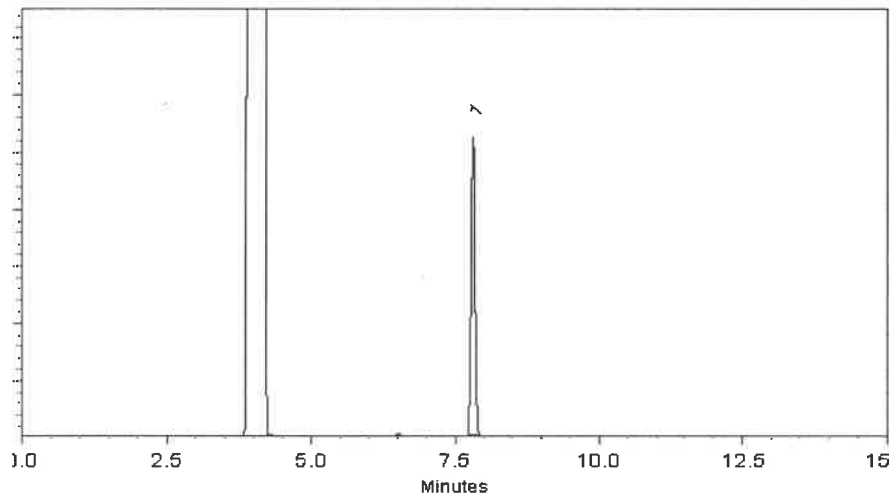
FID

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.


Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED
By: Jennifer Pollino (Date: 11-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.
- 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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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.:** A0205179
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, 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	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* 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:

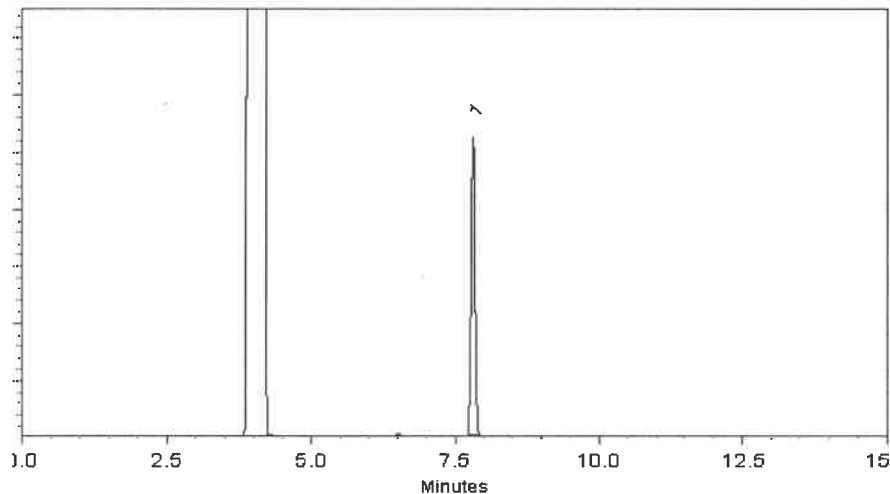
FID

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.


Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED
By: Jennifer Pollino (Date: 11-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.
- 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:

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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:

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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.)

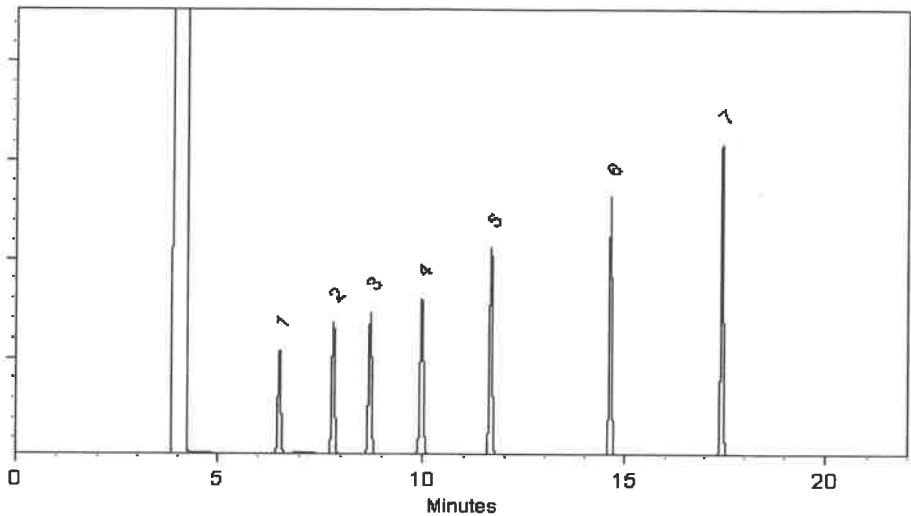
Inj. Temp:
200°C

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.
- 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

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. : 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.)

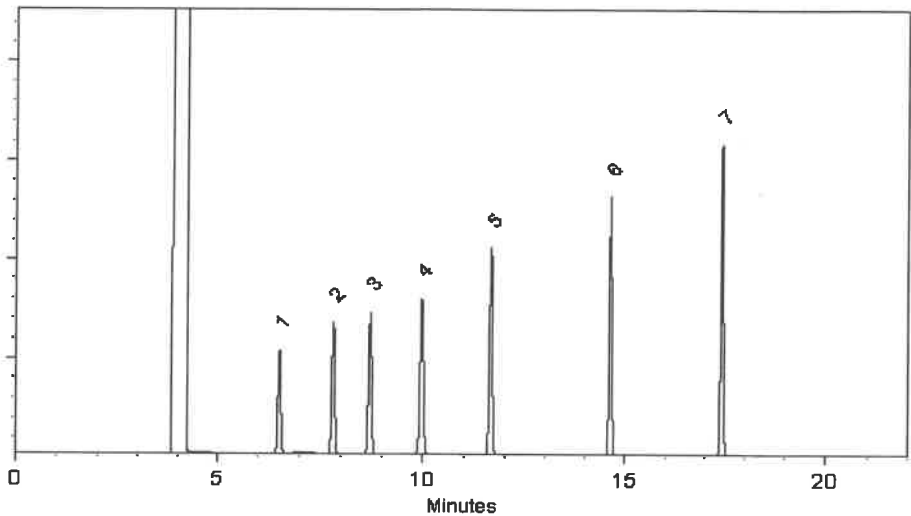
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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

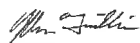
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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 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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- 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.

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- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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

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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
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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

James Ethier

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

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For Laboratory, Research, or Manufacturing Use
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500 Series for Drinking Water
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

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CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2041883

P5164

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NNRP BETHPAGE
PROJECT NO.: LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AE.COM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY: OSSINING STATE: NY ZIP: 10563
ATTENTION: E. VIVAUDOU PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
X EDD FORMAT NYS DEC EDD CATB

VOCs 8260
14 DIOXANE 8270

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		A	E	E								← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	RE108D2-20241206	6W		X	12-6-24	0940	3	2	1										
2.	RE108D1-20241206	6W		X		1040	3	2	1										
3.	RE105D1-20241206	6W		X		0915	3	2	1										
4.	RE105D2-20241206	6W		X		0940	3	2	1										
5.	TB	DN		X	9-13-24	-	2	2											
6.	FB-20241206	DN		X	12-6-24	1130	3	2	1										
7.																			
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>12-6-24</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>1300</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>21.4</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1700</u> <u>12-6-24</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5164 AECO15

Order Date : 12/6/2024 1:09:00 PM

Project Mgr :

Client Name : AECOM Technical Services

Project Name : NAVFAC NWIRP Bethpage

Report Type : Results Only NYS ASP B

Client Contact : Eleanor Vivadou

Receive DateTime : 12/6/2024 5:00:00 PM

EDD Type : EQUIS

Invoice Name : AECOM Technical Services

Purchase Order :

Hard Copy Date :

Invoice Contact : Eleanor Vivadou

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5164-01	RE108D2-20241206	Water	12/06/2024	09:40					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5164-02	RE108D1-20241206	Water	12/06/2024	10:40					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5164-03	RE105D1-20241206	Water	12/06/2024	09:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5164-04	RE105D2-20241206	Water	12/06/2024	09:40					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5164-05	TB	Water	12/06/2024	00:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5164-06	FB-20241206	Water	12/06/2024	11:30					
					VOCMS Group1		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5164 AECO15

Order Date : 12/6/2024 1:09:00 PM

Project Mgr :

Client Name : AECOM Technical Services

Project Name : NAVFAC NWIRP Bethpage

Report Type : Results Only NYS ASP B

Client Contact : Eleanor Vivadou

Receive DateTime : 12/6/2024 5:00:00 PM

EDD Type : EQUIS

Invoice Name : AECOM Technical Services

Purchase Order :

Hard Copy Date :

Invoice Contact : Eleanor Vivadou

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	----------------	----------------	------	------------	--------	----------	--------------

Relinquished By :

Date / Time : 12-6-24 1725

Received By :

Date / Time : 12/6/24 1725

Storage Area : VOA Refridgerator Room

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043925.D
 Acq On : 21 Nov 2024 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 22 03:27:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	148984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92854	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	3148	1.232	ug/l	0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	2.460%#
35) Dibromofluoromethane	5.385	113	1980	1.063	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.120%#
50) Toluene-d8	8.647	98	7267	1.132	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	2.260%#
62) 4-Bromofluorobenzene	11.079	95	2216	1.015	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	2.020%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	1889	1.001	ug/l	88
3) Chloromethane	1.295	50	1723	0.868	ug/l	90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l #	81
5) Bromomethane	1.593	94	1826	1.405	ug/l #	72
6) Chloroethane	1.666	64	1724	1.339	ug/l #	82
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l	92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l	94
10) Methyl Iodide	2.441	142	1911	0.849	ug/l #	97
11) Tert butyl alcohol	2.941	59	3949	9.628	ug/l #	73
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l #	62
13) Acrolein	2.233	56	2045	4.730	ug/l	90
14) Allyl chloride	2.654	41	2371	0.845	ug/l	87
15) Acrylonitrile	3.063	53	4483	4.485	ug/l	95
16) Acetone	2.386	43	5977	5.093	ug/l #	86
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l	99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l	94
20) Methylene Chloride	2.782	84	2099	1.054	ug/l #	73
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l	97
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l #	30
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l	98
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l #	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l	92
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l	86
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l	89
28) Bromochloromethane	4.885	49	842	0.553	ug/l #	48
29) Tetrahydrofuran	5.013	42	4264	4.593	ug/l	95
30) Chloroform	5.093	83	3187	0.856	ug/l #	76
31) Cyclohexane	5.446	56	2563	0.900	ug/l #	71
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l #	46
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l #	80
37) Ethyl Acetate	4.733	43	1632	0.567	ug/l #	78
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l #	78
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l	90
40) Benzene	6.032	78	6312	0.873	ug/l #	84

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043925.D
 Acq On : 21 Nov 2024 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 22 03:27:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	724	0.491	ug/l #	80
42) 1,2-Dichloroethane	6.086	62	2602	0.896	ug/l	84
43) Isopropyl Acetate	6.355	43	3881	0.847	ug/l #	90
44) Trichloroethene	7.123	130	2850	1.393	ug/l	82
45) 1,2-Dichloropropane	7.428	63	1503	0.849	ug/l	100
46) Dibromomethane	7.580	93	1246	0.890	ug/l	94
47) Bromodichloromethane	7.824	83	1819	0.724	ug/l #	93
48) Methyl methacrylate	7.702	41	1511	0.687	ug/l	90
49) 1,4-Dioxane	7.671	88	613	16.166	ug/l #	50
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073	ug/l	96
52) Toluene	8.714	92	3313	0.766	ug/l	82
53) t-1,3-Dichloropropene	8.988	75	1776	0.694	ug/l #	86
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838	ug/l #	85
56) Ethyl methacrylate	9.122	69	1973	0.709	ug/l #	82
57) 1,3-Dichloropropane	9.305	76	2502	0.832	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	4135	2.662	ug/l	93
59) 2-Hexanone	9.439	43	7726	3.675	ug/l	99
60) Dibromochloromethane	9.519	129	1296	0.723	ug/l	93
61) 1,2-Dibromoethane	9.610	107	1342	0.743	ug/l #	80
64) Tetrachloroethene	9.269	164	1329	0.924	ug/l	88
65) Chlorobenzene	10.073	112	4585	0.957	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731	ug/l #	66
67) Ethyl Benzene	10.195	91	6890	0.848	ug/l #	86
68) m/p-Xylenes	10.305	106	5324	1.758	ug/l	95
69) o-Xylene	10.640	106	2370	0.801	ug/l	95
70) Styrene	10.665	104	3751	0.767	ug/l	97
71) Bromoform	10.799	173	632	1.756	ug/l #	87
73) Isopropylbenzene	10.964	105	6379	0.894	ug/l	94
74) N-amyl acetate	10.848	43	2319	0.701	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910	ug/l	83
76) 1,2,3-Trichloropropane	11.244	75	2077	1.037	ug/l	98
77) Bromobenzene	11.201	156	1475	0.866	ug/l	94
78) n-propylbenzene	11.305	91	6810	0.854	ug/l	95
79) 2-Chlorotoluene	11.366	91	4618	0.916	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	5022	0.855	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.025	75	442	0.592	ug/l #	81
82) 4-Chlorotoluene	11.457	91	4940	0.868	ug/l	94
83) tert-Butylbenzene	11.713	119	4794	0.824	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4748	0.812	ug/l	99
85) sec-Butylbenzene	11.890	105	5787	0.812	ug/l	94
86) p-Isopropyltoluene	12.012	119	4187	0.723	ug/l	87
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946	ug/l	93
88) 1,4-Dichlorobenzene	11.969	146	2934	0.932	ug/l	95
89) n-Butylbenzene	12.335	91	3522	0.690	ug/l	93
90) Hexachloroethane	12.536	117	835	0.848	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	2796	0.893	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.957	75	395	0.807	ug/l	65
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854	ug/l	78
94) Hexachlorobutadiene	13.725	225	709	0.972	ug/l	89
95) Naphthalene	13.780	128	4837	0.728	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749	ug/l	81

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

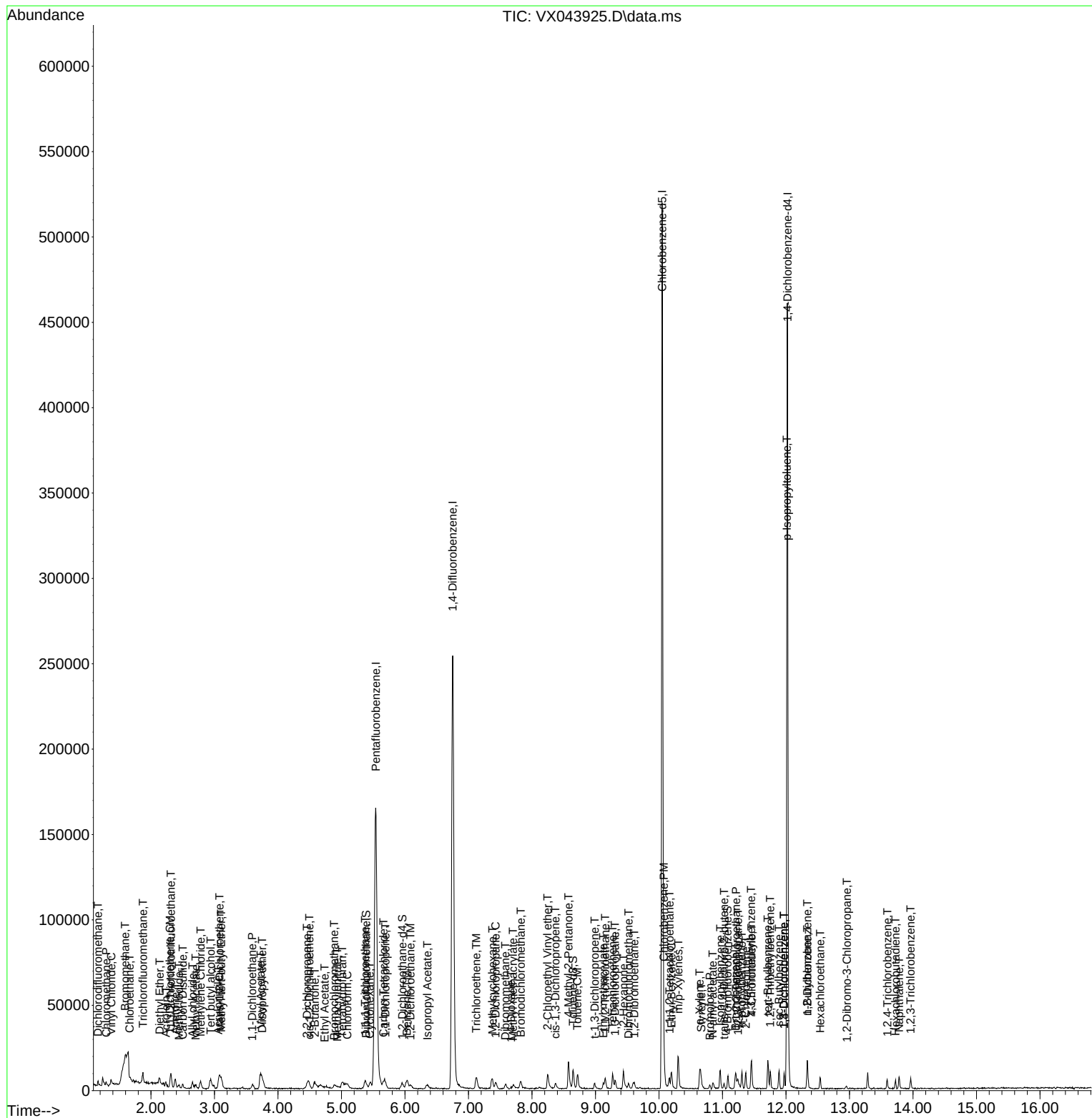
Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

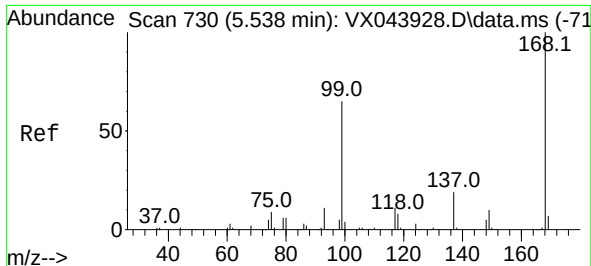
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

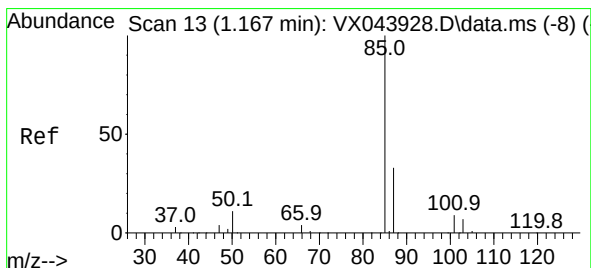
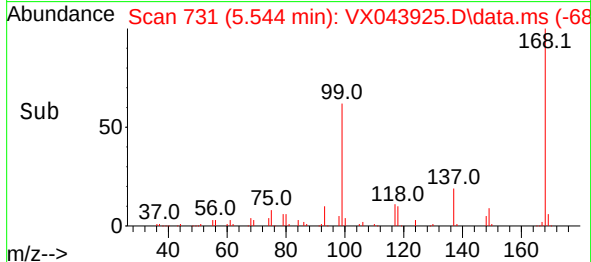
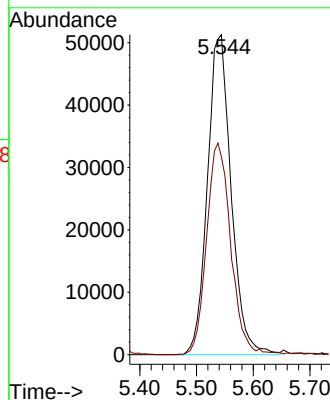
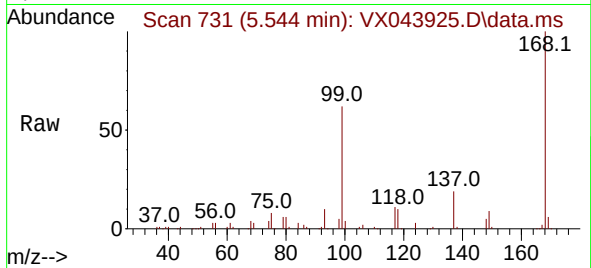




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

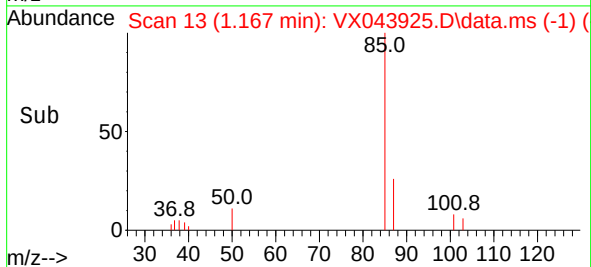
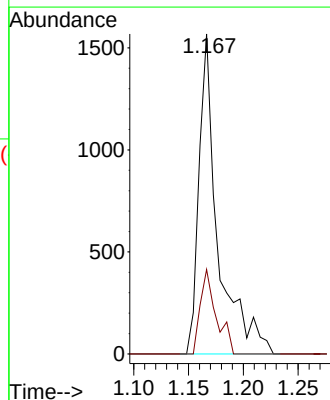
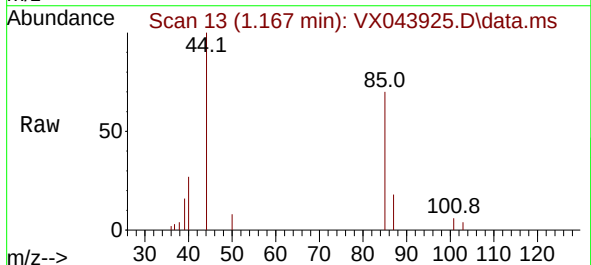
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

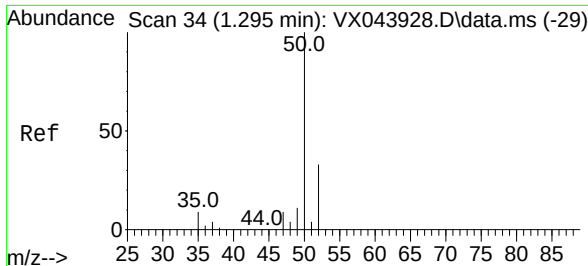
Tgt Ion:168 Resp: 148984
Ion Ratio Lower Upper
168 100
99 61.8 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889
Ion Ratio Lower Upper
85 100
87 26.4 16.6 49.8

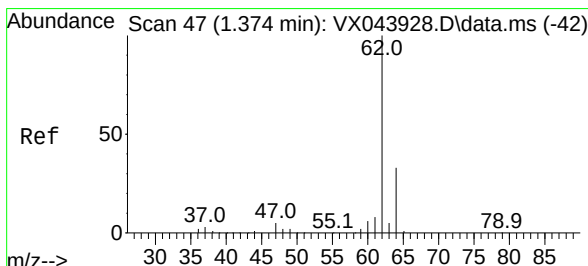
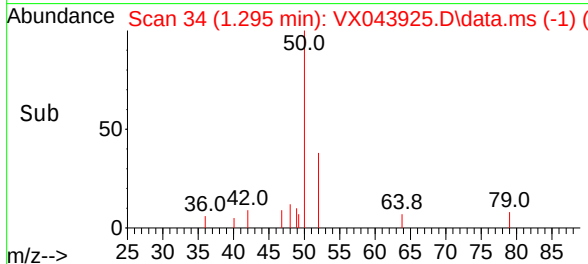
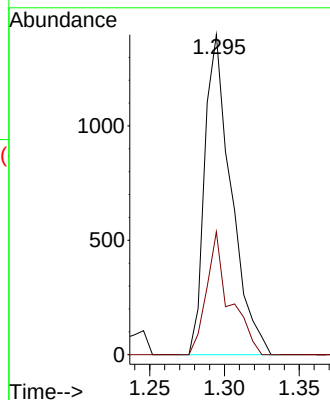
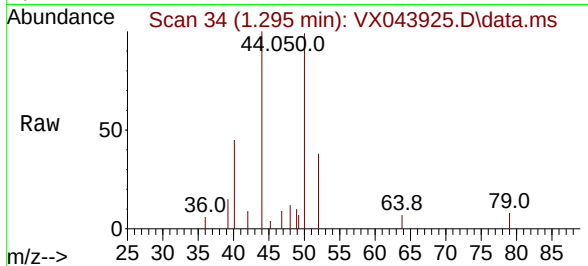




#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

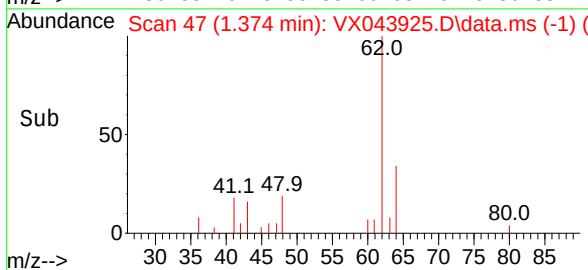
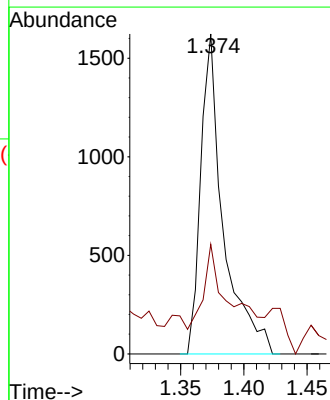
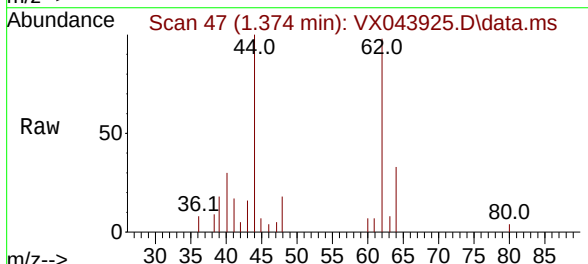
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

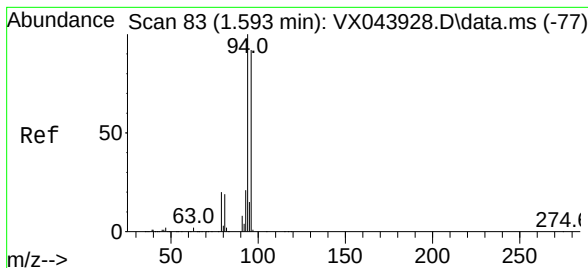
Tgt Ion: 50 Resp: 1723
Ion Ratio Lower Upper
50 100
52 38.4 26.1 39.1



#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010
Ion Ratio Lower Upper
62 100
64 22.4 26.2 39.4#





#5

Bromomethane

Concen: 1.405 ug/l

RT: 1.593 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

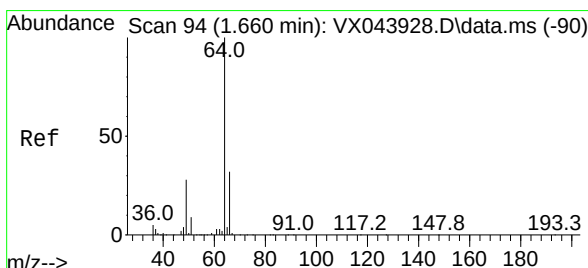
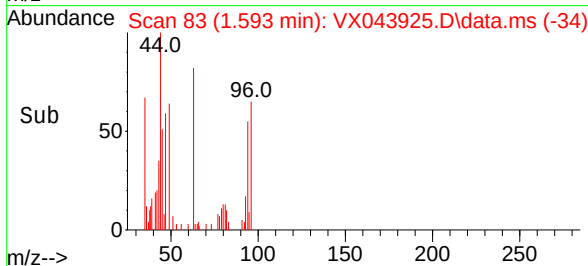
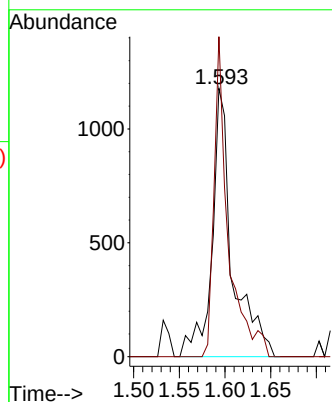
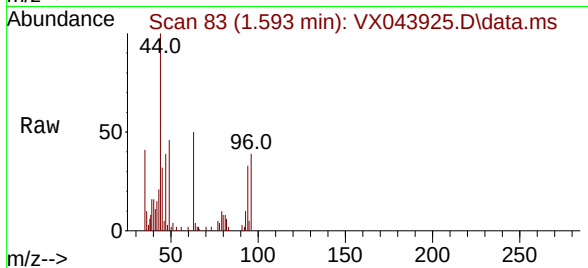
VSTDICC001

Tgt Ion: 94 Resp: 1826

Ion Ratio Lower Upper

94 100

96 119.3 73.9 110.9#



#6

Chloroethane

Concen: 1.339 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043925.D

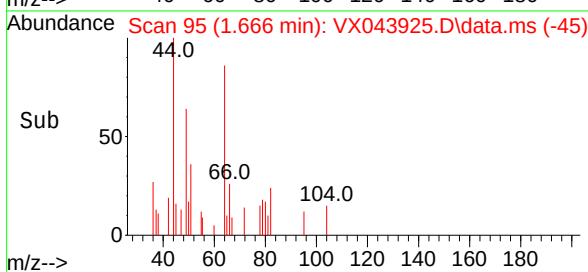
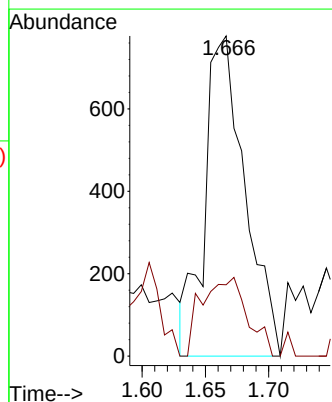
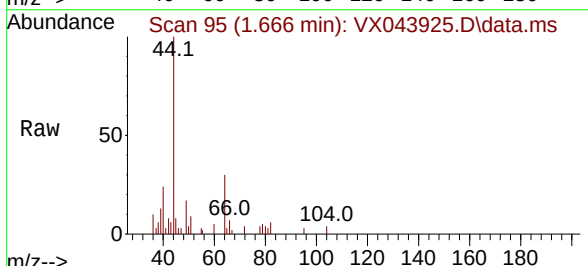
Acq: 21 Nov 2024 09:47

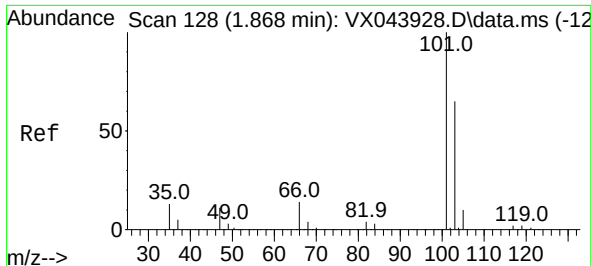
Tgt Ion: 64 Resp: 1724

Ion Ratio Lower Upper

64 100

66 22.3 25.9 38.9#

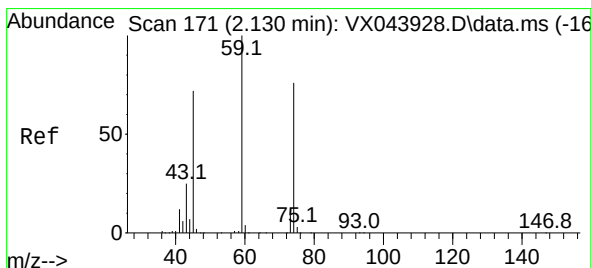
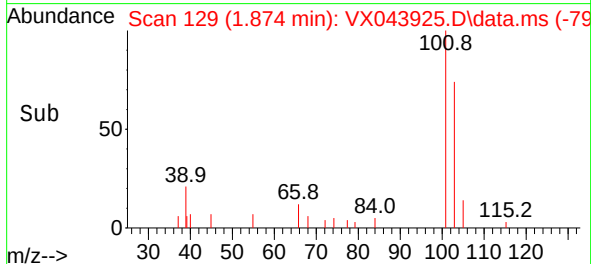
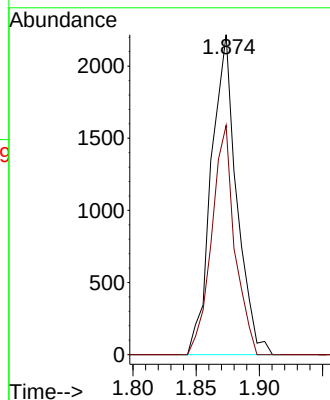
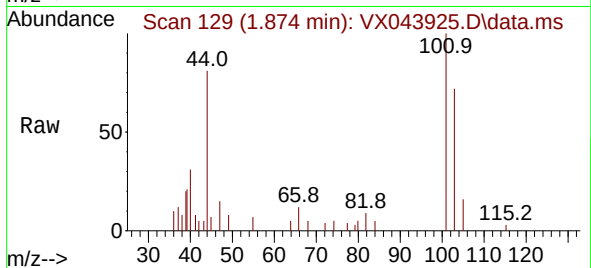




#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

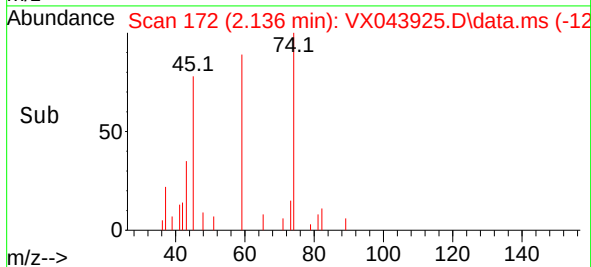
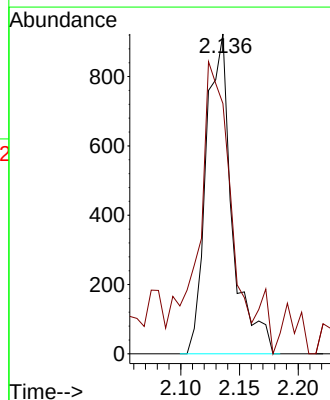
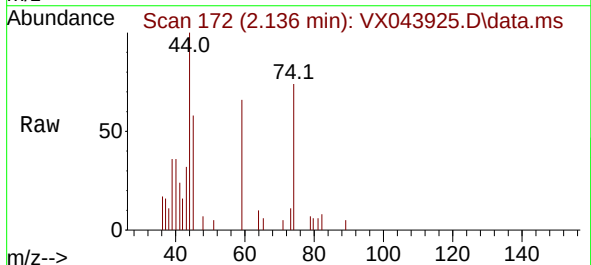
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

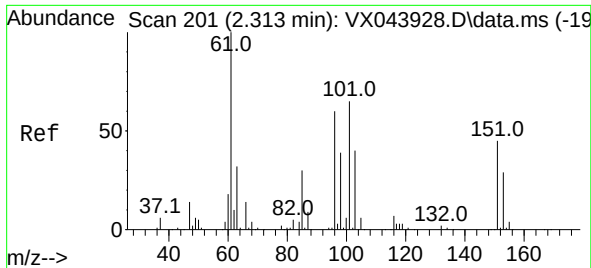
Tgt Ion:101 Resp: 3093
Ion Ratio Lower Upper
101 100
103 71.6 52.2 78.2



#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 74 Resp: 1421
Ion Ratio Lower Upper
74 100
45 120.1 47.9 143.6

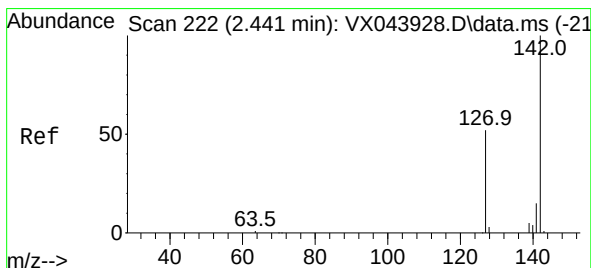
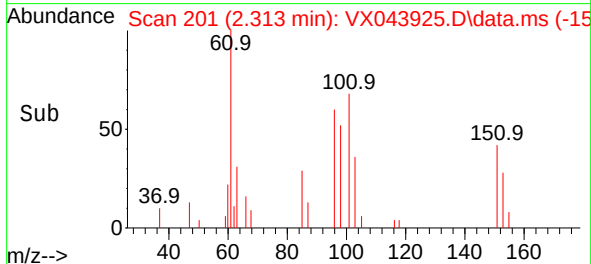
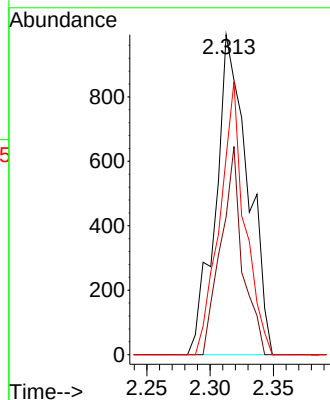
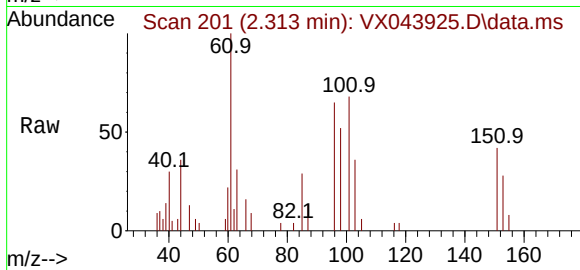




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

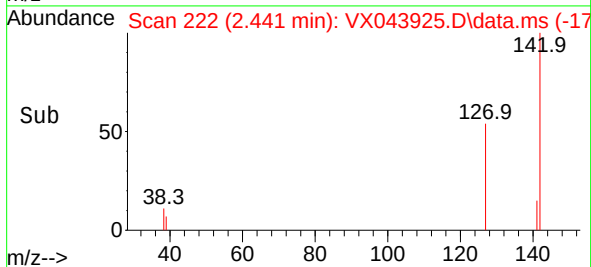
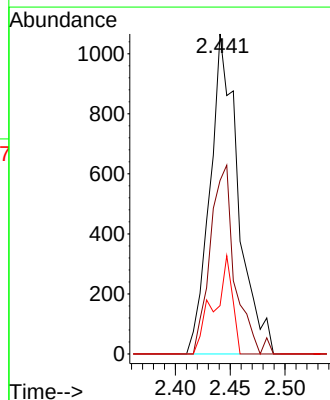
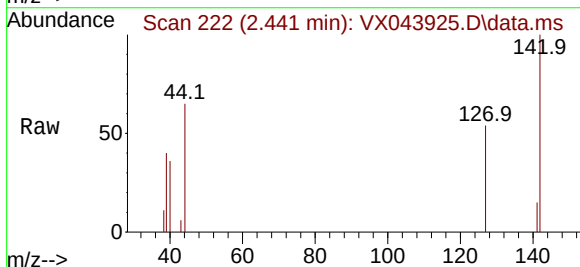
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

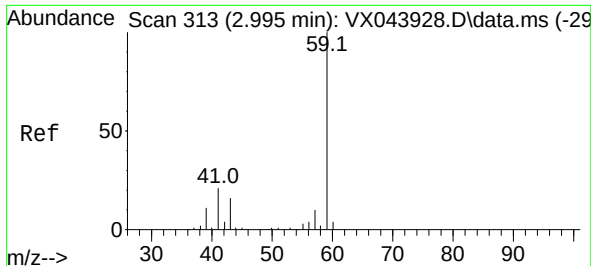
Tgt Ion:101 Resp: 1764
Ion Ratio Lower Upper
101 100
85 43.5 37.9 56.9
151 66.1 57.5 86.3



#10
Methyl Iodide
Concen: 0.849 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:142 Resp: 1911
Ion Ratio Lower Upper
142 100
127 51.4 40.7 61.1
141 19.9 12.0 18.0#





#11

Tert butyl alcohol

Concen: 9.628 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

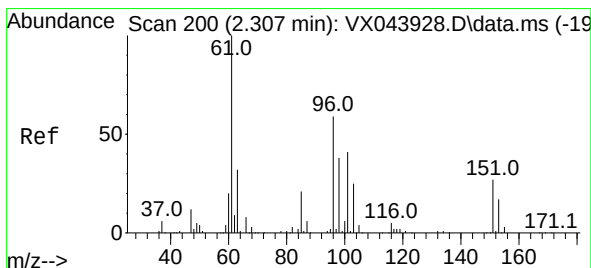
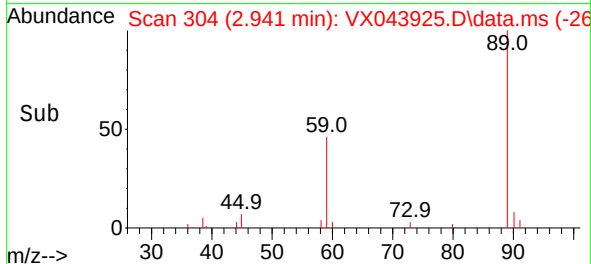
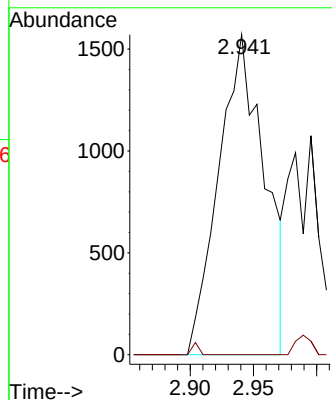
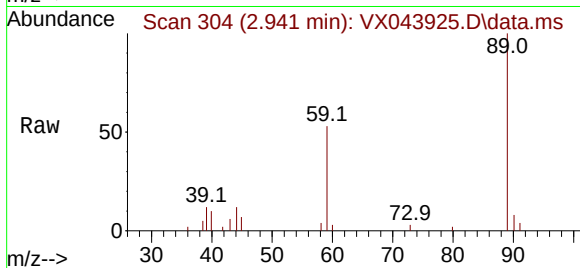
VSTDIC001

Tgt Ion: 59 Resp: 3949

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#12

1,1-Dichloroethene

Concen: 1.034 ug/l

RT: 2.300 min Scan# 199

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

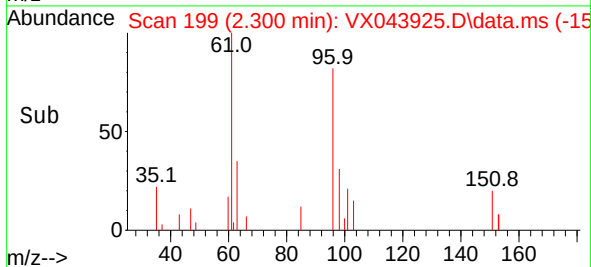
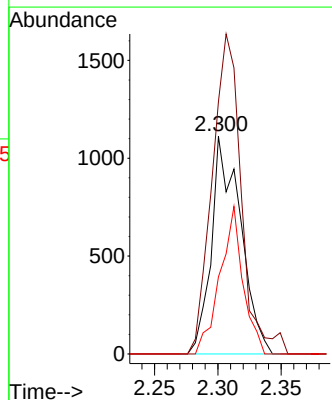
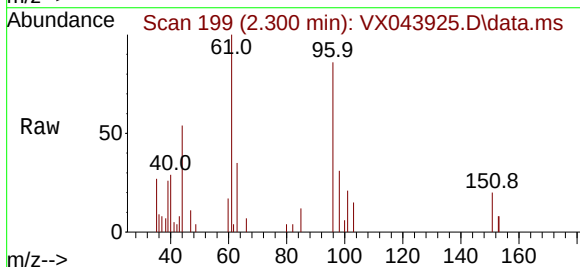
Tgt Ion: 96 Resp: 1775

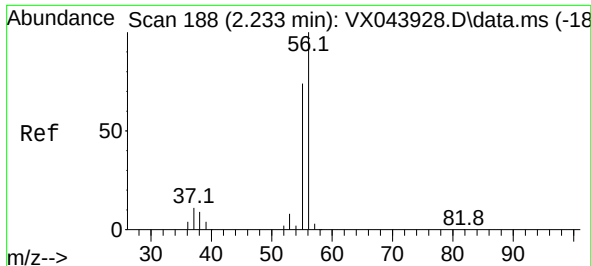
Ion Ratio Lower Upper

96 100

61 115.9 135.5 203.3#

98 35.4 50.8 76.2#





#13

Acrolein

Concen: 4.730 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

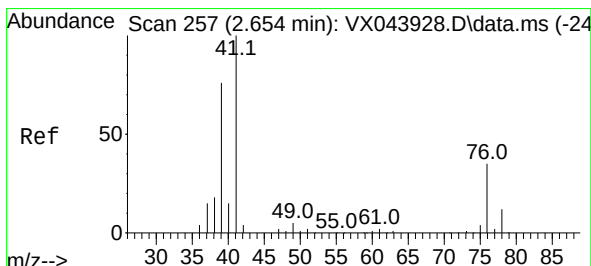
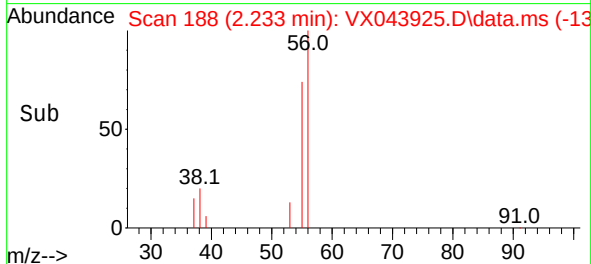
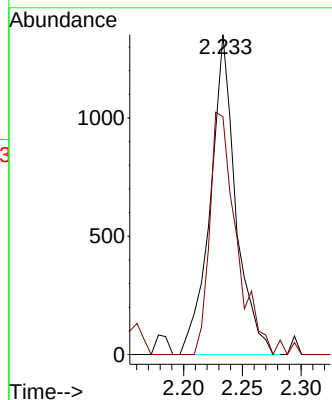
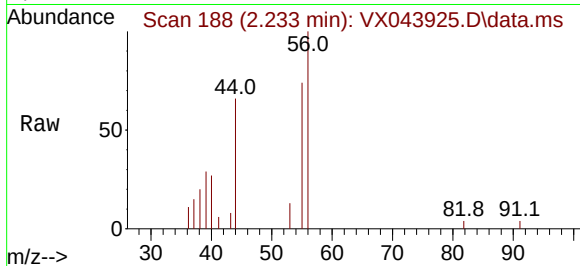
VSTDICC001

Tgt Ion: 56 Resp: 2045

Ion Ratio Lower Upper

56 100

55 81.0 58.2 87.2



#14

Allyl chloride

Concen: 0.845 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

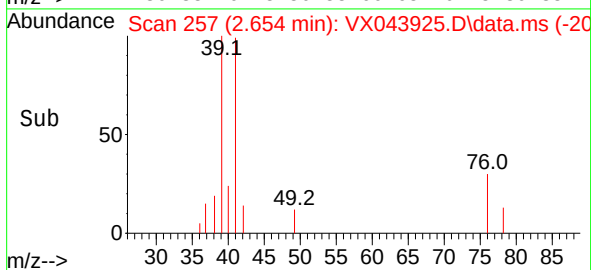
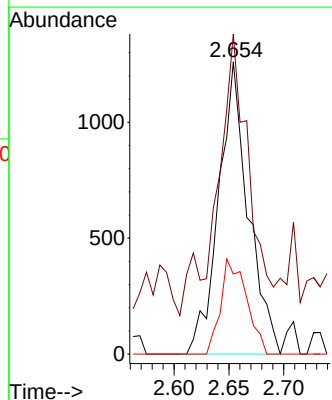
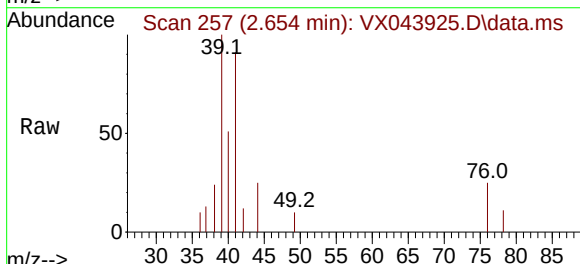
Tgt Ion: 41 Resp: 2371

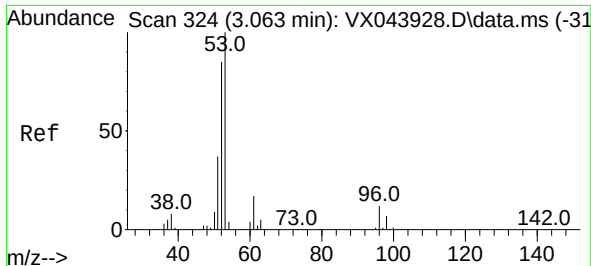
Ion Ratio Lower Upper

41 100

39 85.9 59.5 89.3

76 28.3 27.4 41.2

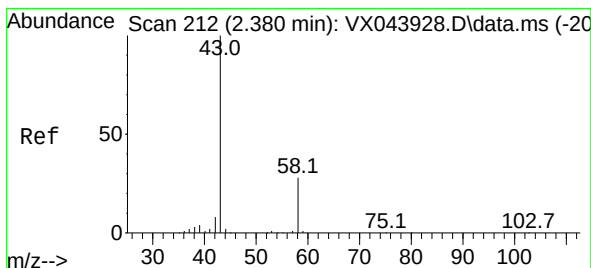
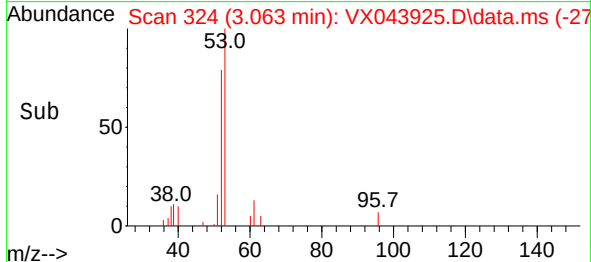
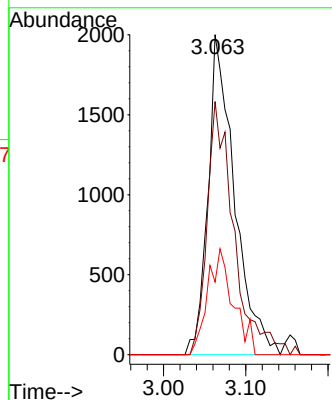
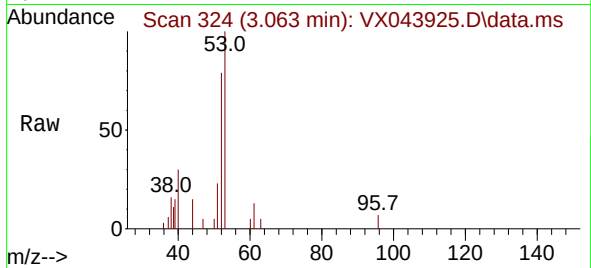




#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

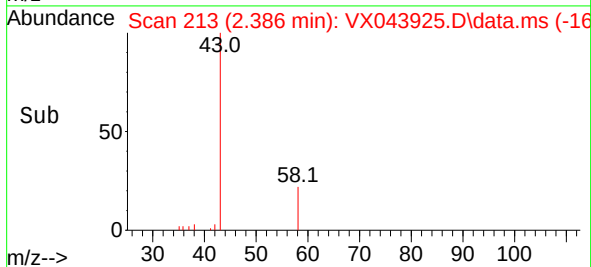
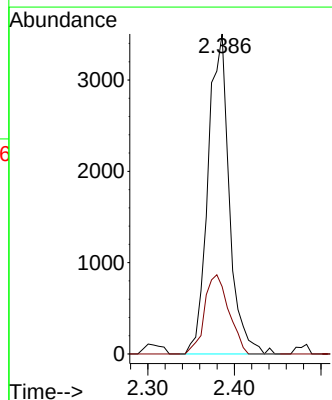
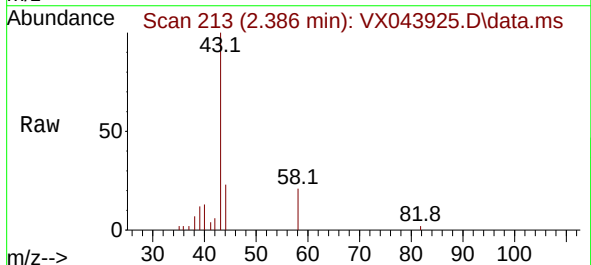
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

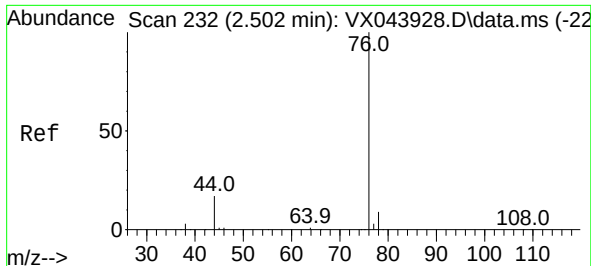
Tgt Ion: 53	Resp: 4483
Ion Ratio	Lower Upper
53 100	
52 80.0	66.5 99.7
51 31.9	30.2 45.4



#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43	Resp:	5977	
Ion	Ratio	Lower	Upper
43	100		
58	21.1	22.7	34.1#

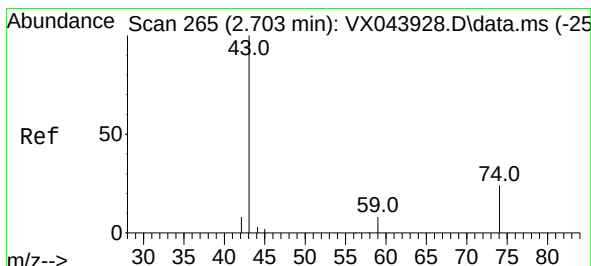
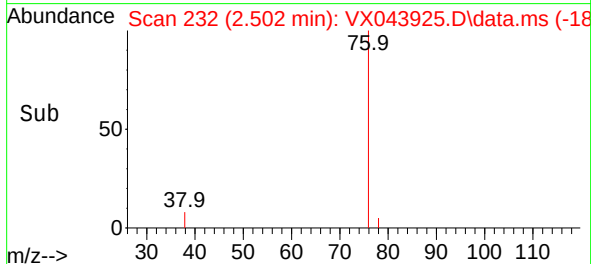
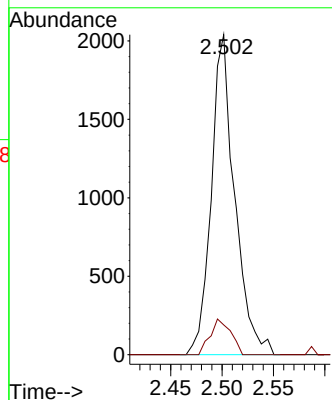
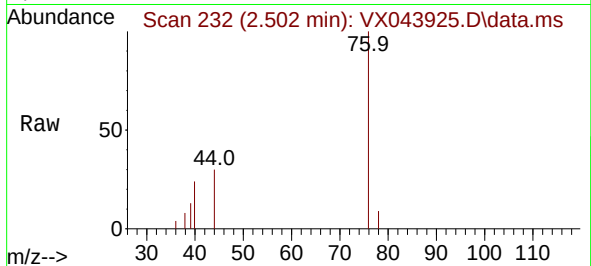




#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 241
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

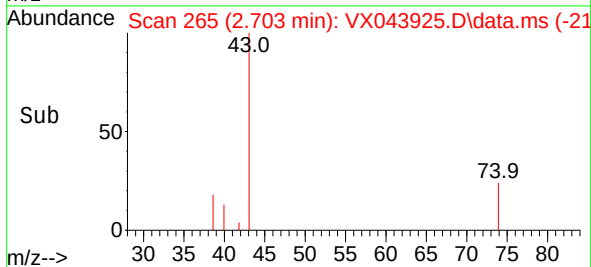
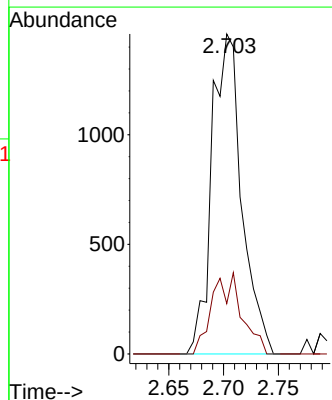
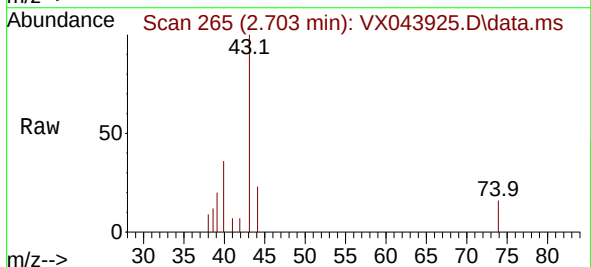
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

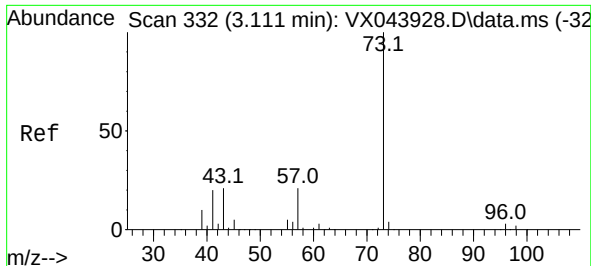
Tgt Ion: 76 Resp: 3223
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 0.828 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

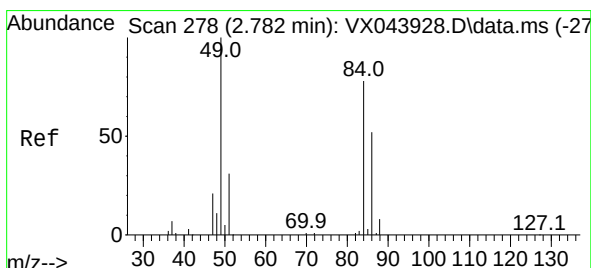
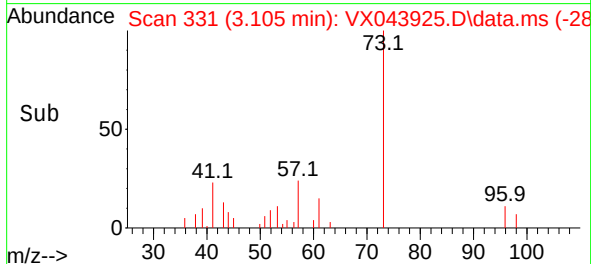
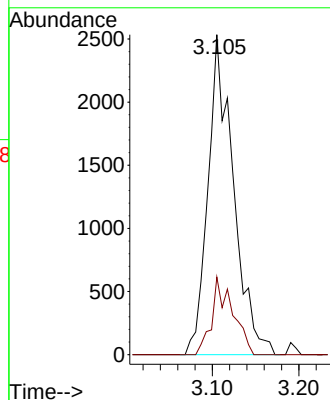
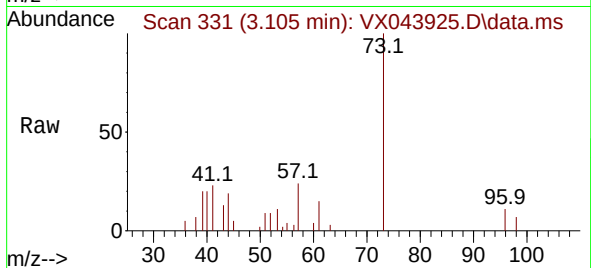
VSTDICC001

Tgt Ion: 73 Resp: 5162

Ion Ratio Lower Upper

73 100

57 24.3 17.0 25.6



#20

Methylene Chloride

Concen: 1.054 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

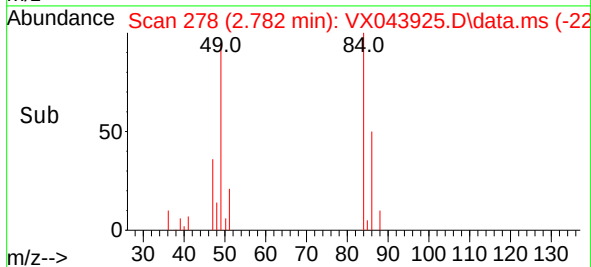
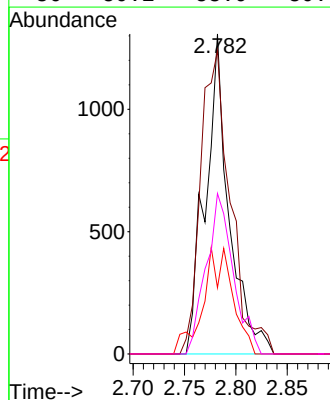
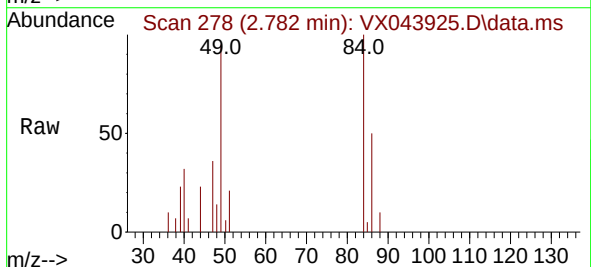
Ion Ratio Lower Upper

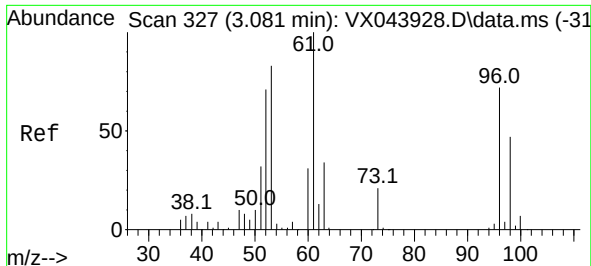
84 100

49 94.8 102.7 154.1#

51 20.7 31.7 47.5#

86 50.2 53.9 80.9#

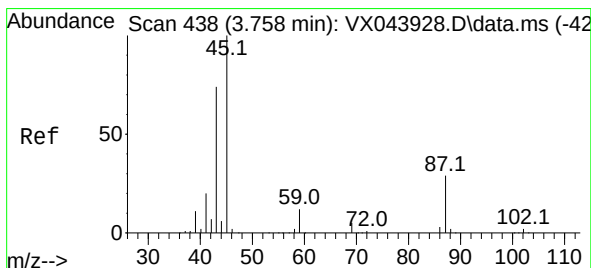
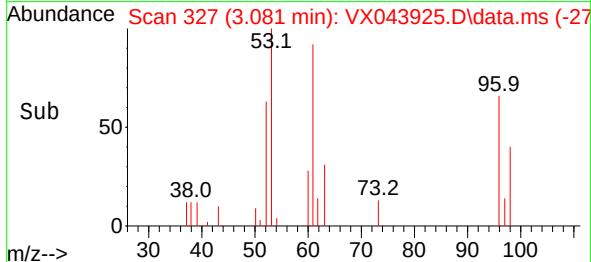
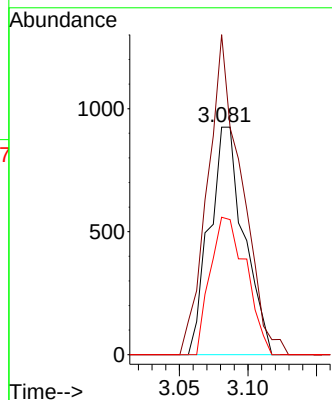
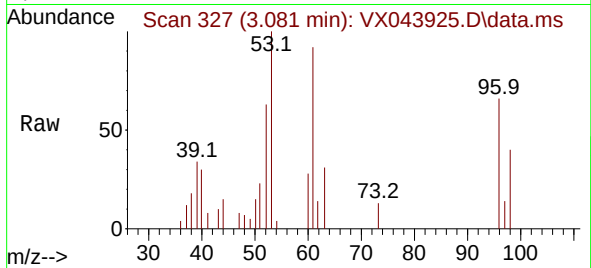




#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

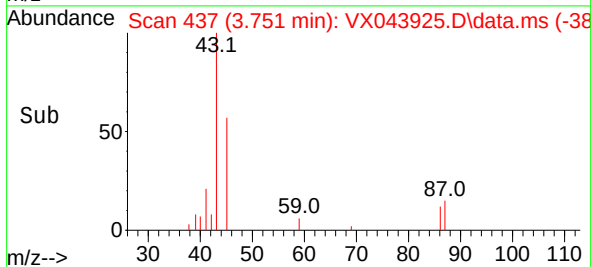
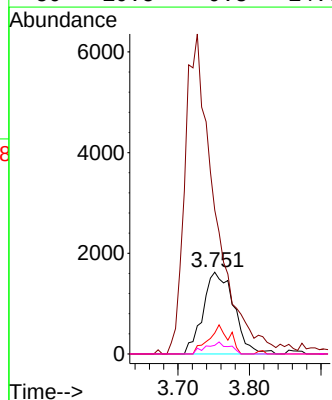
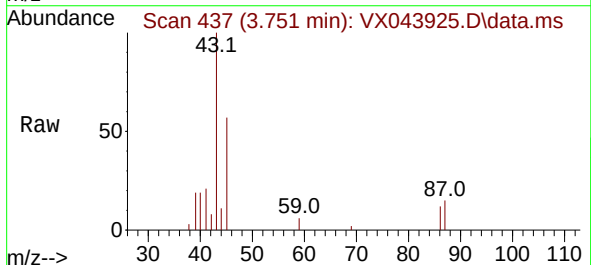
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

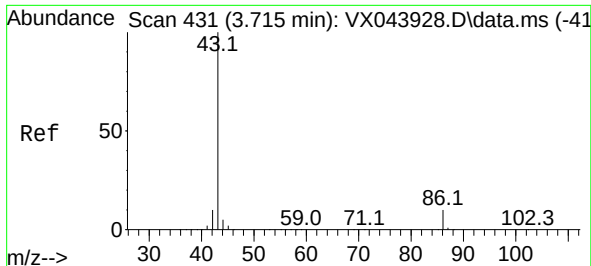
Tgt Ion: 96 Resp: 1624
Ion Ratio Lower Upper
96 100
61 140.6 111.8 167.6
98 60.4 52.7 79.1



#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882
Ion Ratio Lower Upper
45 100
43 164.2 59.6 89.4#
87 25.6 22.9 34.3
59 10.5 9.8 14.6

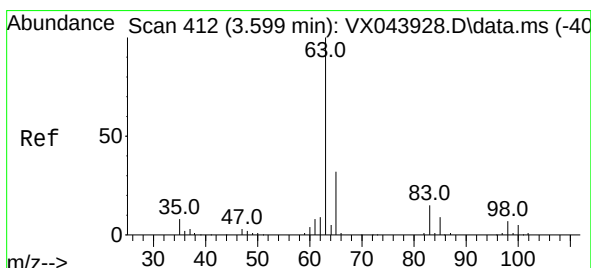
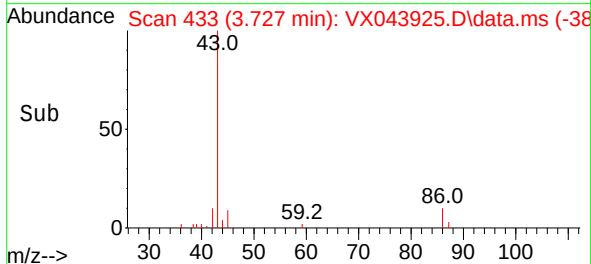
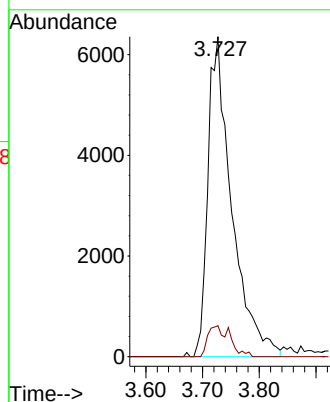
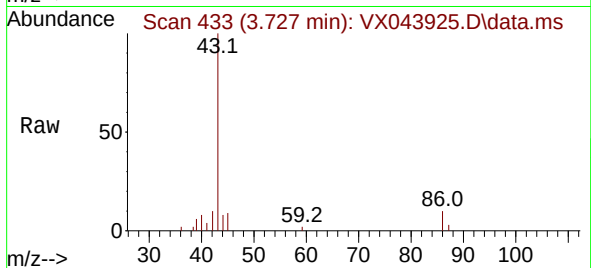




#23
 Vinyl Acetate
 Concen: 3.613 ug/l
 RT: 3.727 min Scan# 411
 Delta R.T. 0.012 min
 Lab File: VX043925.D
 Acq: 21 Nov 2024 09:47

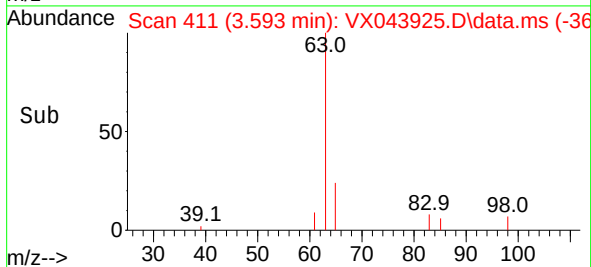
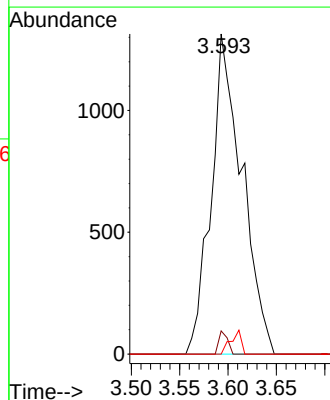
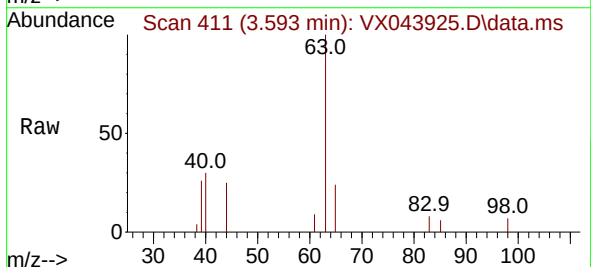
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

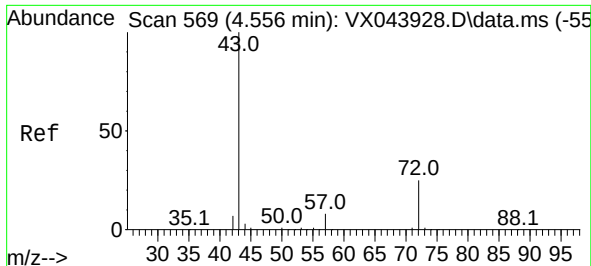
Tgt Ion: 43 Resp: 18541
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 0.844 ug/l
 RT: 3.593 min Scan# 411
 Delta R.T. -0.006 min
 Lab File: VX043925.D
 Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.6
 100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 4.408 ug/l

RT: 4.581 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

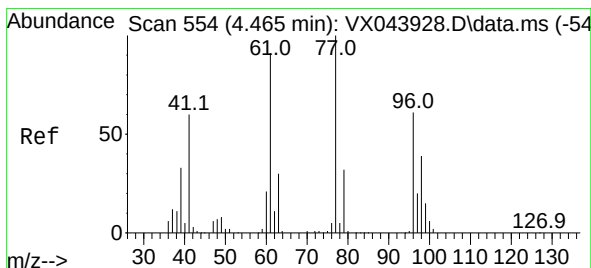
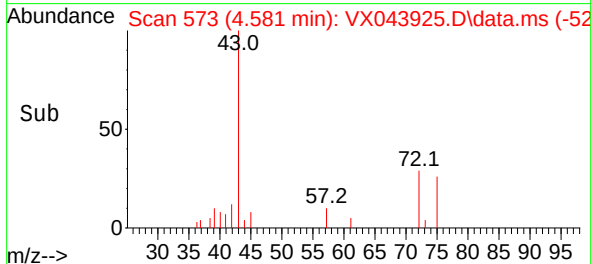
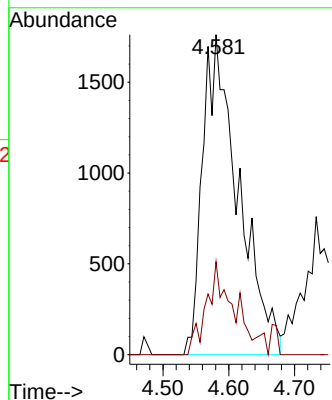
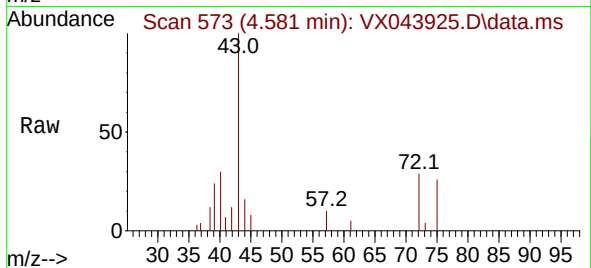
VSTDICC001

Tgt Ion: 43 Resp: 6676

Ion Ratio Lower Upper

43 100

72 29.1 20.2 30.2



#26

2,2-Dichloropropane

Concen: 0.860 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX043925.D

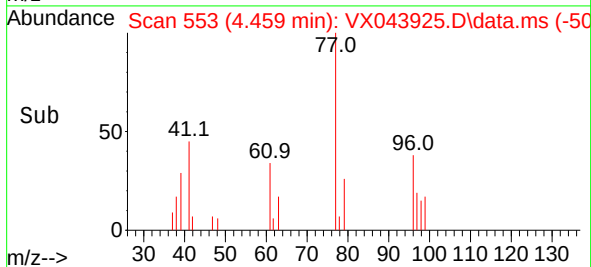
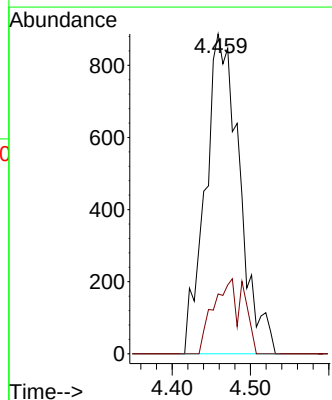
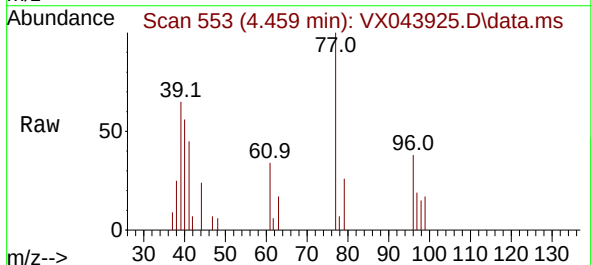
Acq: 21 Nov 2024 09:47

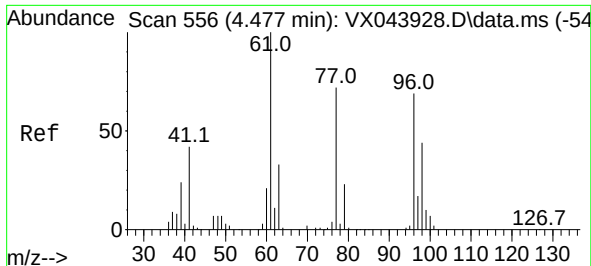
Tgt Ion: 77 Resp: 2687

Ion Ratio Lower Upper

77 100

97 15.1 10.8 32.3

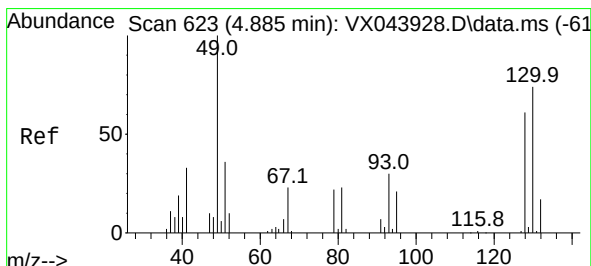
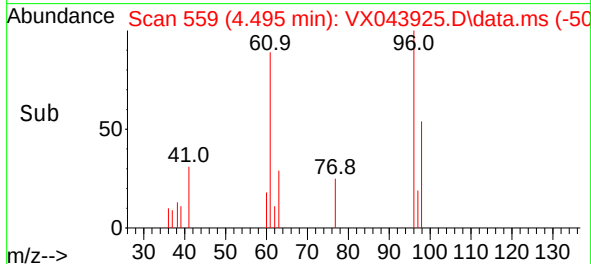
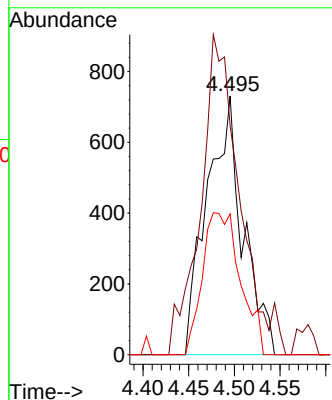
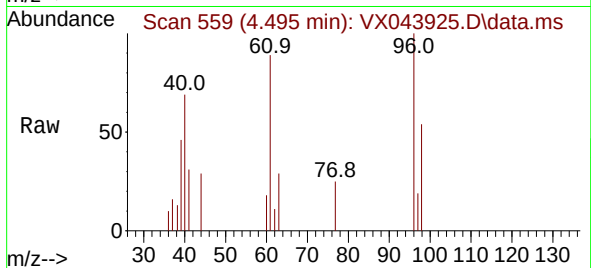




#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

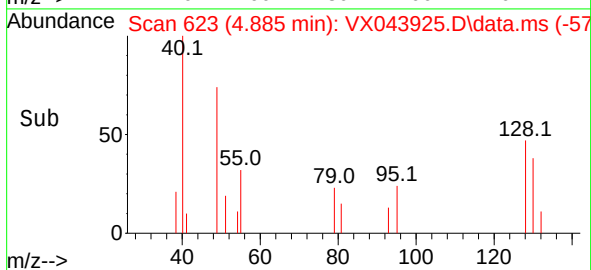
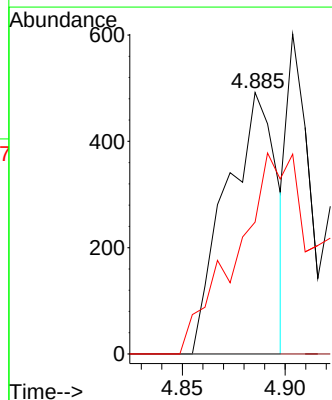
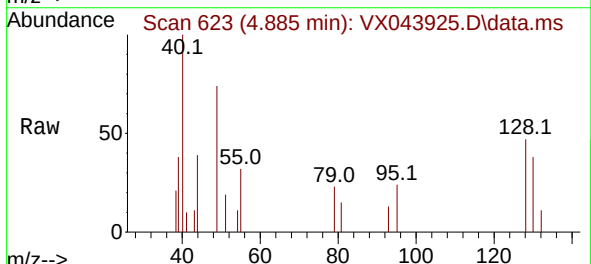
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

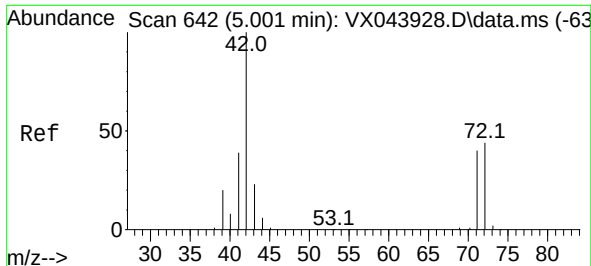
Tgt Ion: 96 Resp: 2007
Ion Ratio Lower Upper
96 100
61 133.7 0.0 297.4
98 57.8 0.0 127.8



#28
Bromochloromethane
Concen: 0.553 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 842
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 118.8 59.0 88.6#





#29

Tetrahydrofuran

Concen: 4.593 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

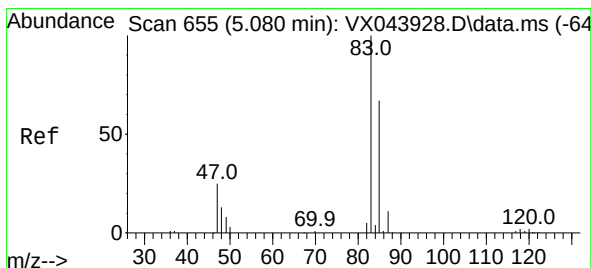
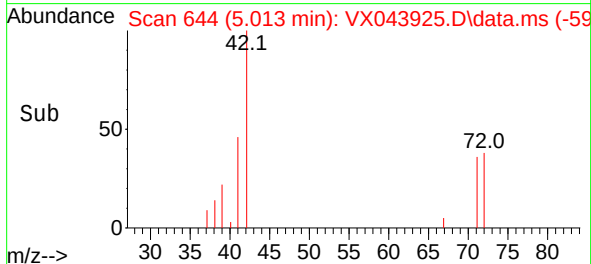
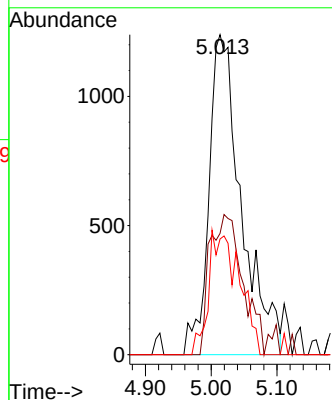
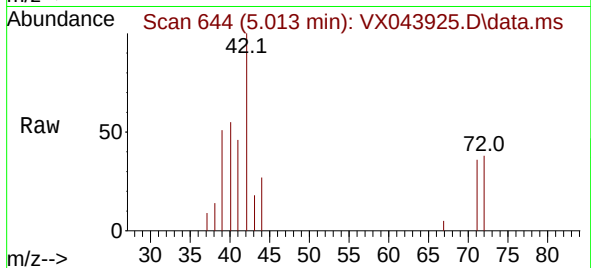
Tgt Ion: 42 Resp: 4264

Ion Ratio Lower Upper

42 100

72 44.5 36.4 54.6

71 36.6 33.4 50.0



#30

Chloroform

Concen: 0.856 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX043925.D

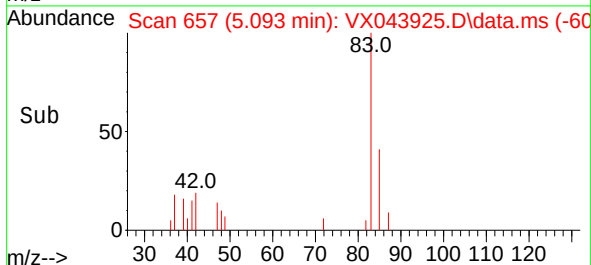
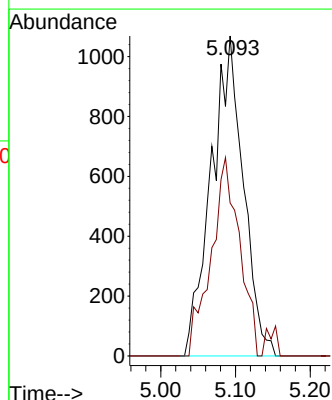
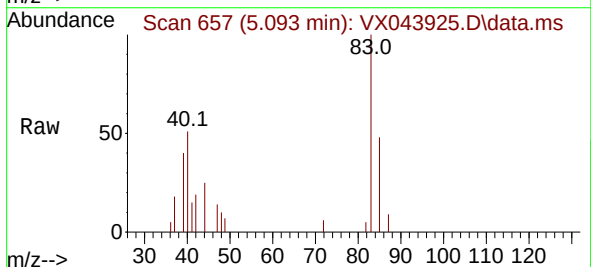
Acq: 21 Nov 2024 09:47

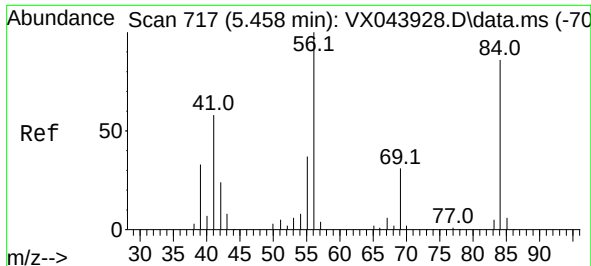
Tgt Ion: 83 Resp: 3187

Ion Ratio Lower Upper

83 100

85 47.8 53.5 80.3#





#31

Cyclohexane

Concen: 0.900 ug/l

RT: 5.446 min Scan# 715

Delta R.T. -0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

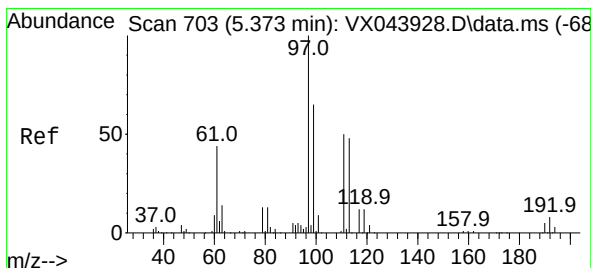
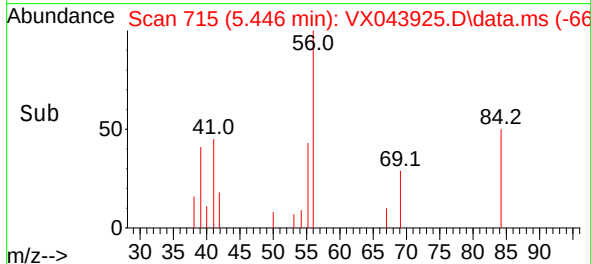
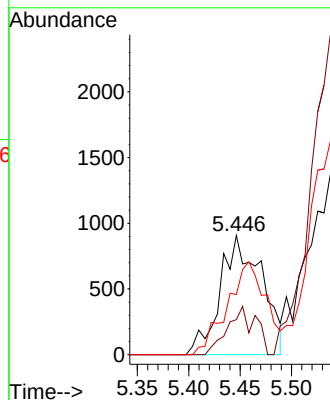
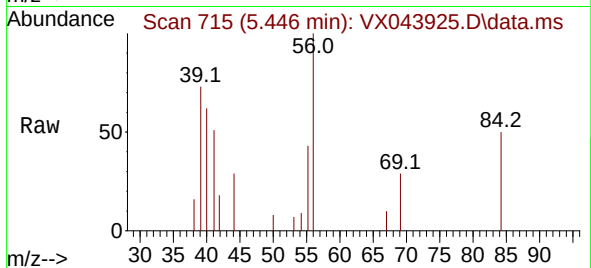
Tgt Ion: 56 Resp: 2563

Ion Ratio Lower Upper

56 100

69 29.4 24.7 37.1

84 50.5 68.7 103.1#



#32

1,1,1-Trichloroethane

Concen: 0.810 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

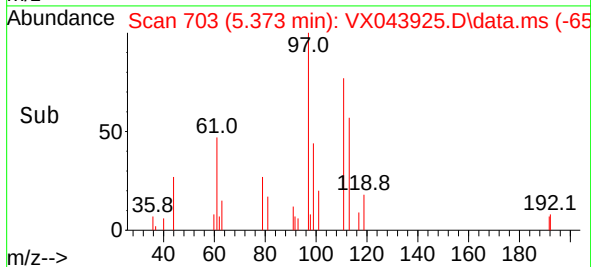
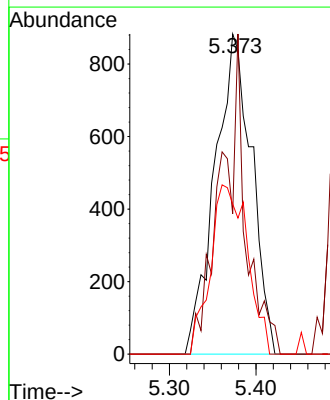
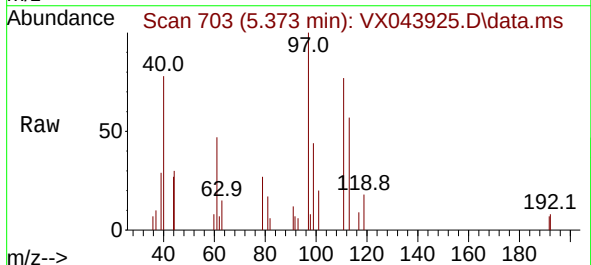
Tgt Ion: 97 Resp: 2600

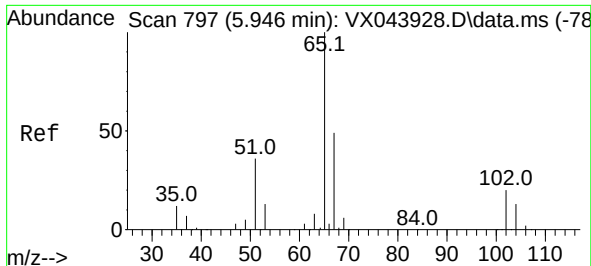
Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

61 53.3 35.4 53.2#





#33

1,2-Dichloroethane-d4

Concen: 1.232 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

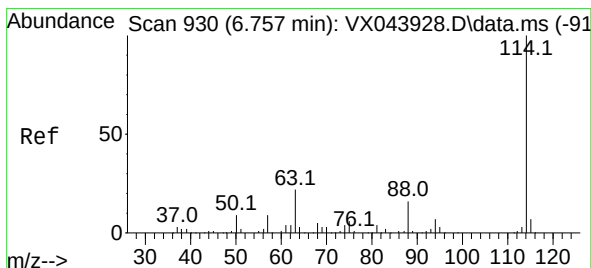
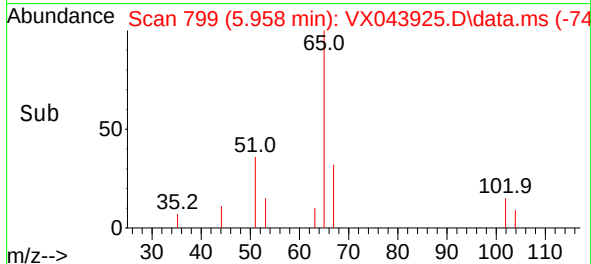
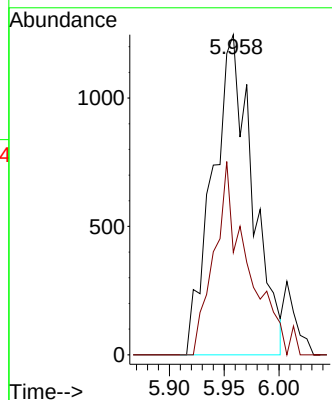
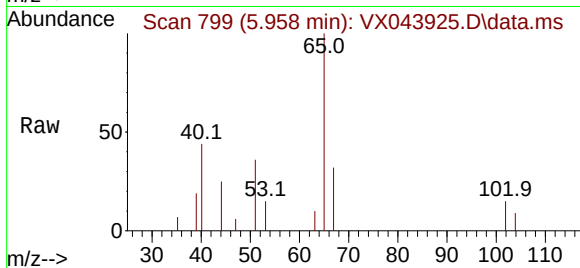
VSTDIC001

Tgt Ion: 65 Resp: 3148

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

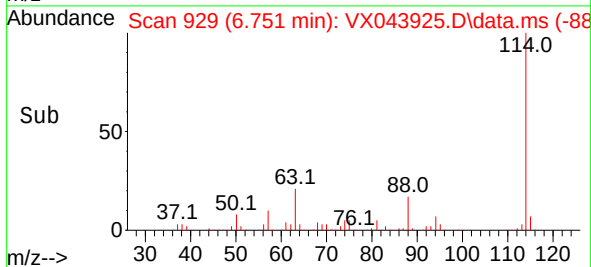
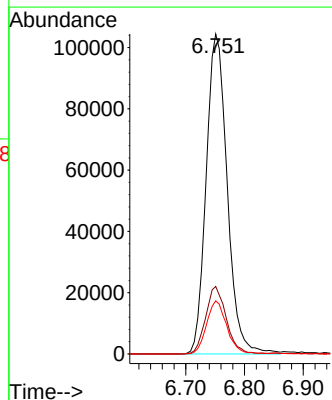
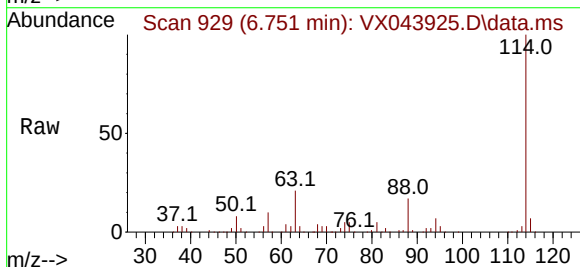
Tgt Ion: 114 Resp: 260569

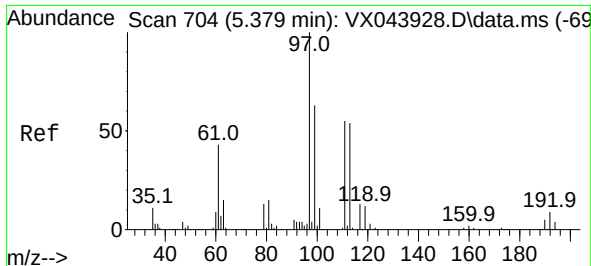
Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 1.063 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

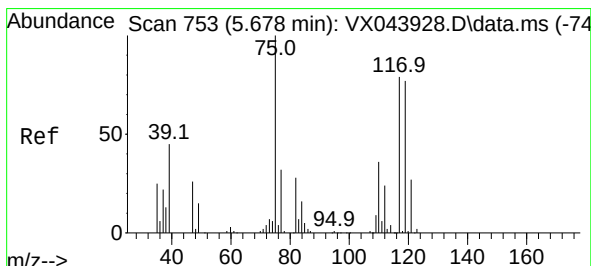
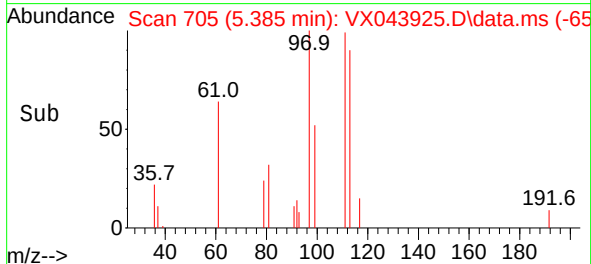
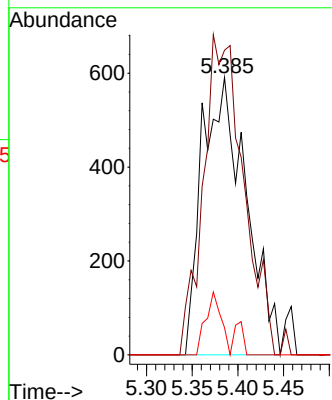
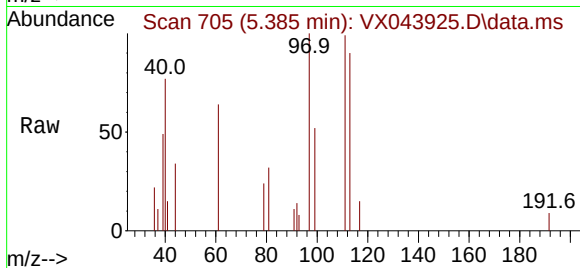
Tgt Ion:113 Resp: 1980

Ion Ratio Lower Upper

113 100

111 104.8 81.0 121.4

192 7.9 13.0 19.6#



#36

1,1-Dichloropropene

Concen: 0.859 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

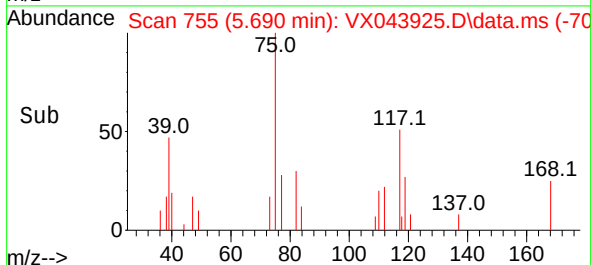
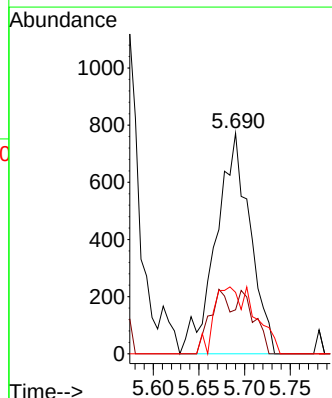
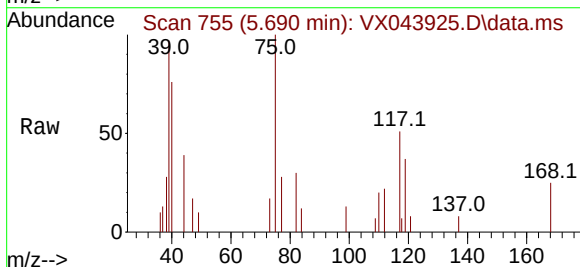
Tgt Ion: 75 Resp: 1993

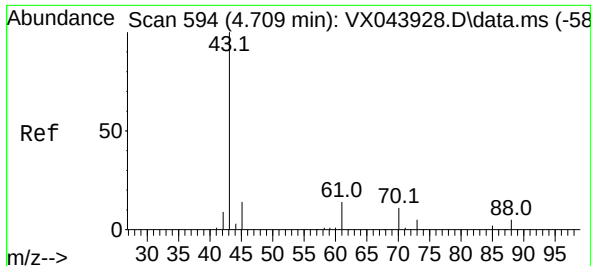
Ion Ratio Lower Upper

75 100

110 16.7 17.4 52.2#

77 36.6 25.8 38.8





#37

Ethyl Acetate

Concen: 0.567 ug/l

RT: 4.733 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

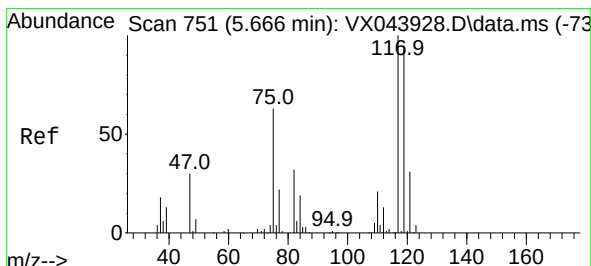
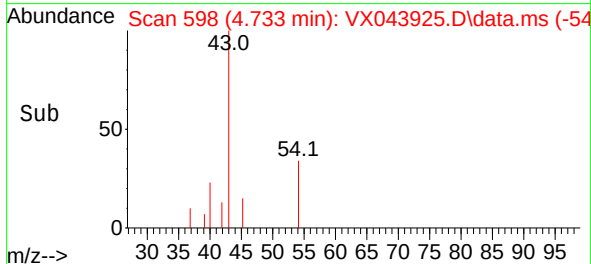
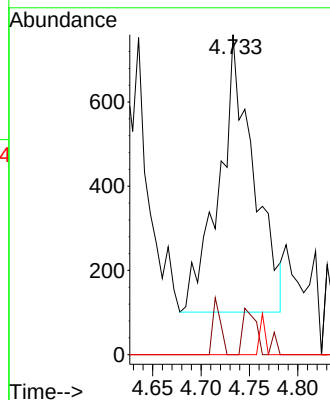
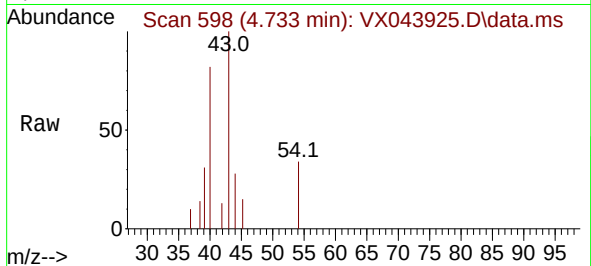
Tgt Ion: 43 Resp: 1632

Ion Ratio Lower Upper

43 100

61 6.3 10.7 16.1#

70 0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 0.877 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

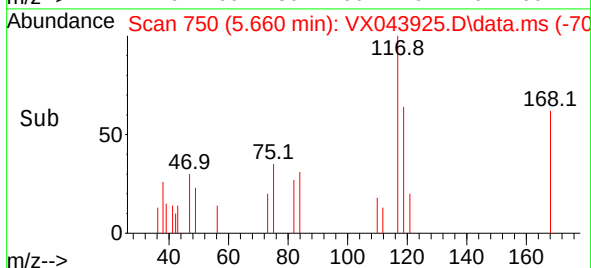
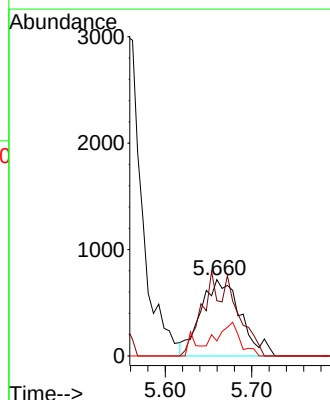
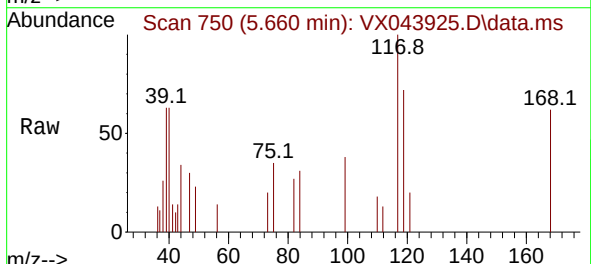
Tgt Ion: 117 Resp: 2287

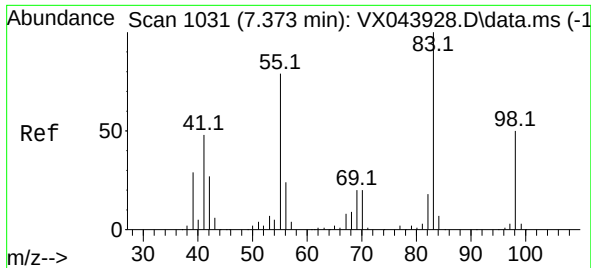
Ion Ratio Lower Upper

117 100

119 72.4 75.2 112.8#

121 19.7 24.5 36.7#

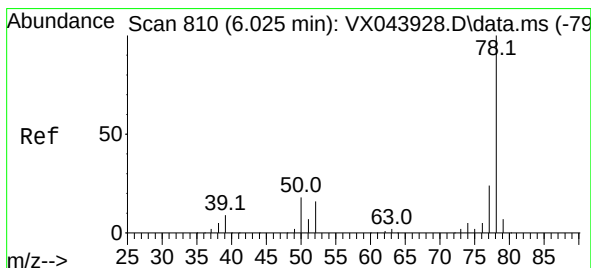
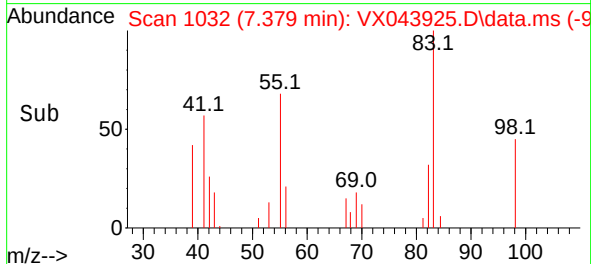
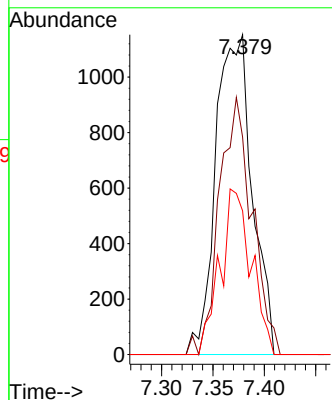
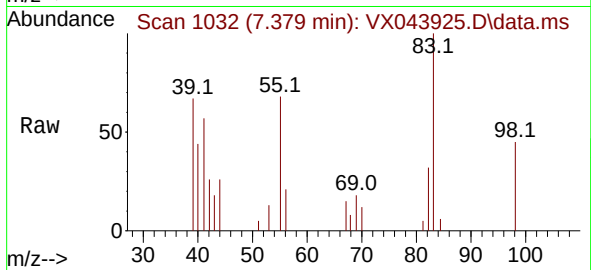




#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

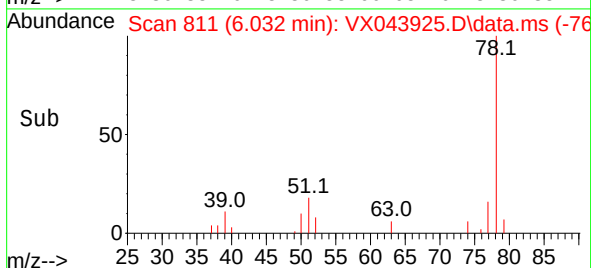
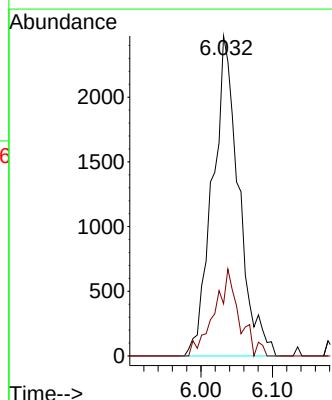
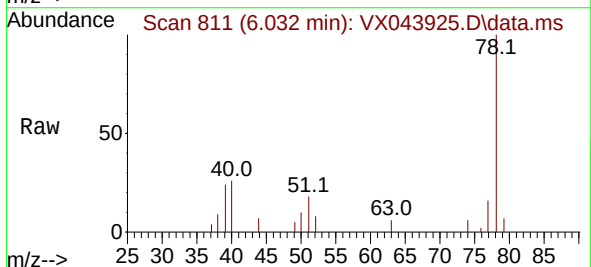
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

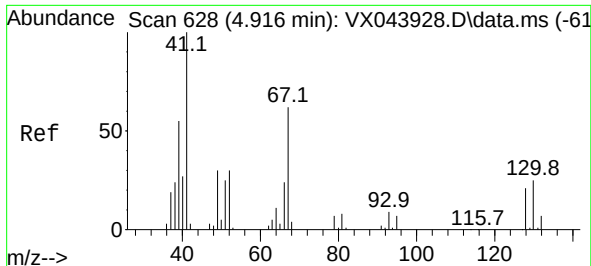
Tgt Ion: 83 Resp: 2835
Ion Ratio Lower Upper
83 100
55 68.0 63.1 94.7
98 44.9 40.0 60.0



#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 6312
Ion Ratio Lower Upper
78 100
77 16.3 19.2 28.8#

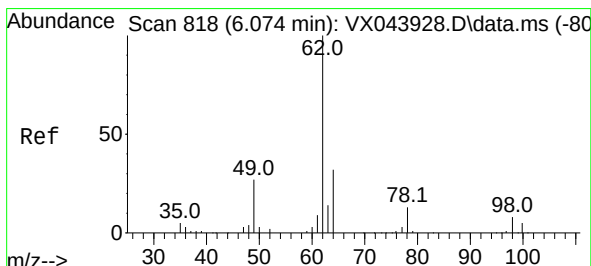
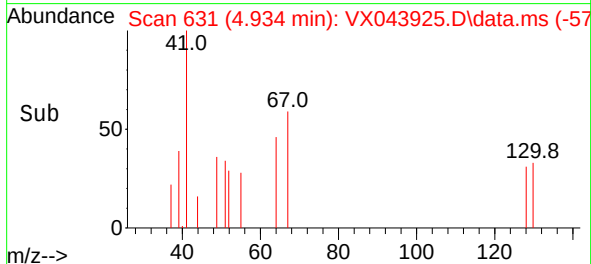
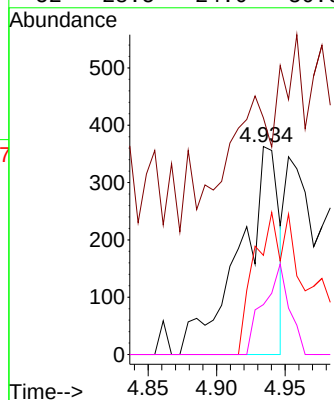
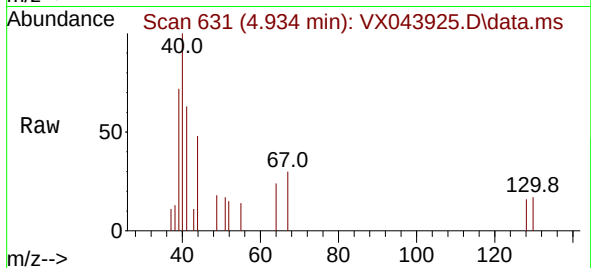




#41
Methacrylonitrile
Concen: 0.491 ug/l
RT: 4.934 min Scan# 61
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

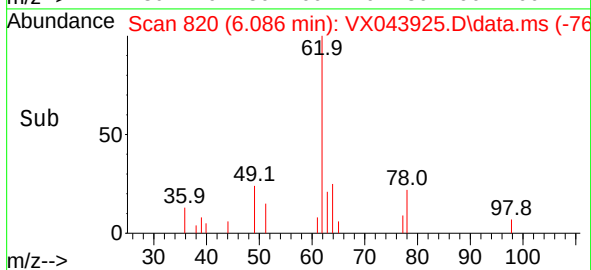
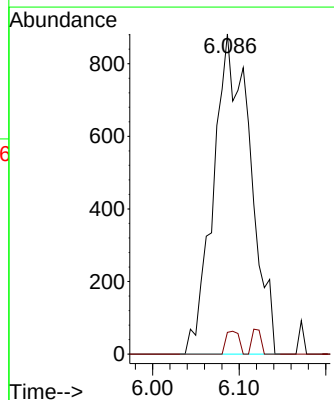
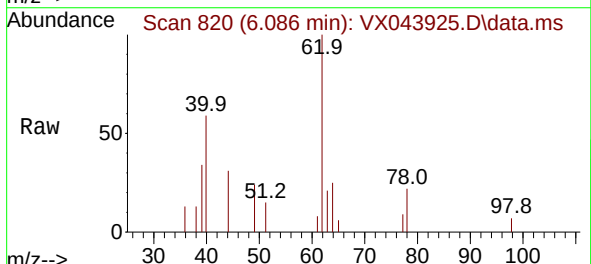
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

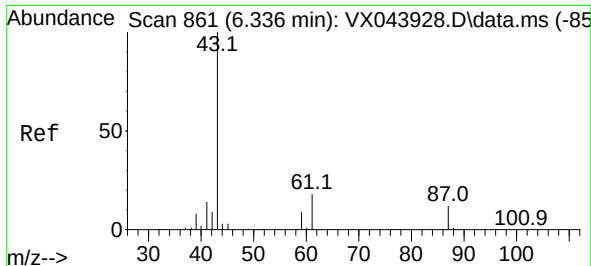
Tgt Ion:	41	Resp:	724
Ion	Ratio	Lower	Upper
41	100		
39	34.9	41.7	62.5#
67	89.8	55.8	83.8#
52	28.5	24.0	36.0



#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:	62	Resp:	2602
Ion	Ratio	Lower	Upper
62	100		
98	2.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 0.847 ug/l

RT: 6.355 min Scan# 8

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

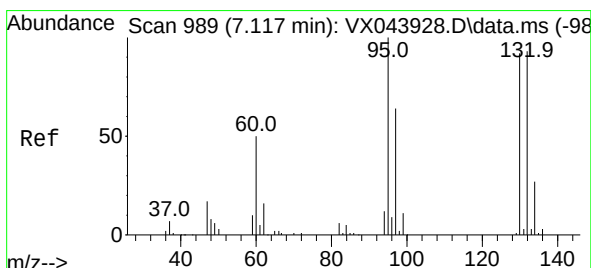
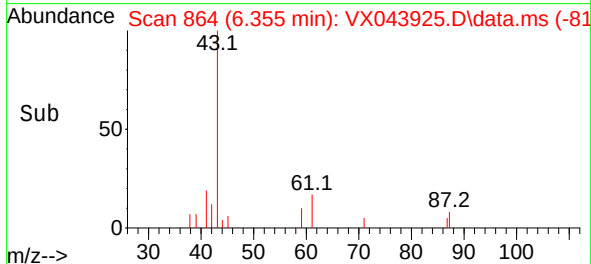
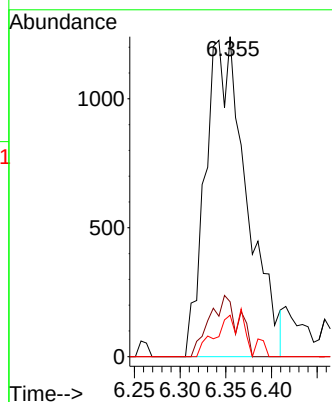
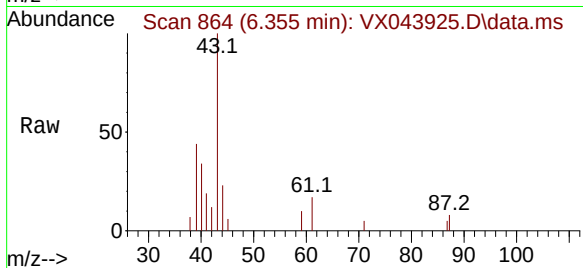
Tgt Ion: 43 Resp: 3881

Ion Ratio Lower Upper

43 100

61 13.8 14.5 21.7#

87 8.9 10.2 15.2#



#44

Trichloroethene

Concen: 1.393 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043925.D

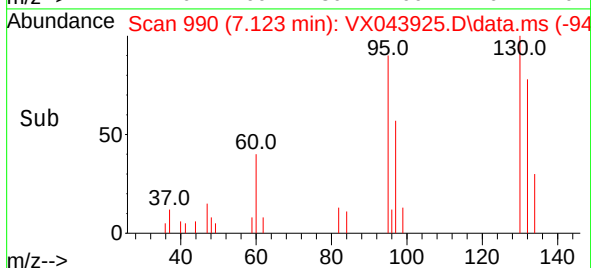
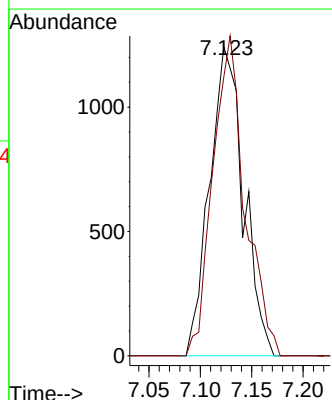
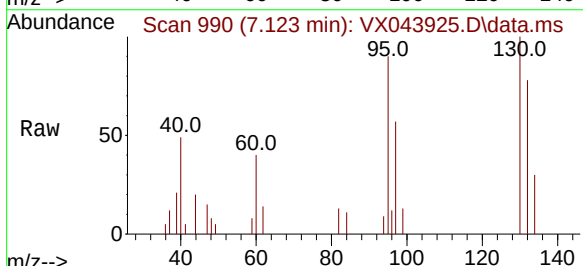
Acq: 21 Nov 2024 09:47

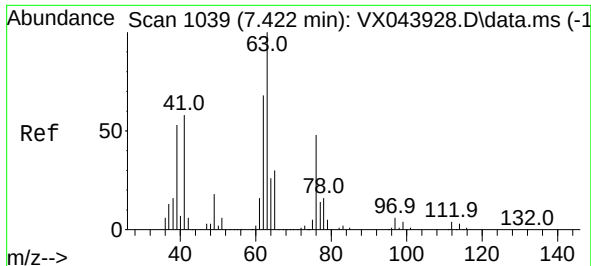
Tgt Ion:130 Resp: 2850

Ion Ratio Lower Upper

130 100

95 90.0 0.0 217.8





#45

1,2-Dichloropropane

Concen: 0.849 ug/l

RT: 7.428 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

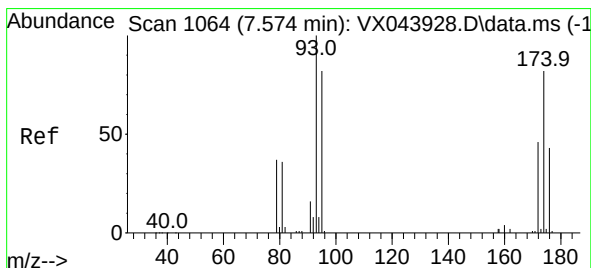
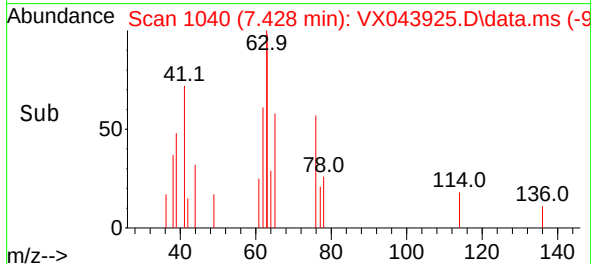
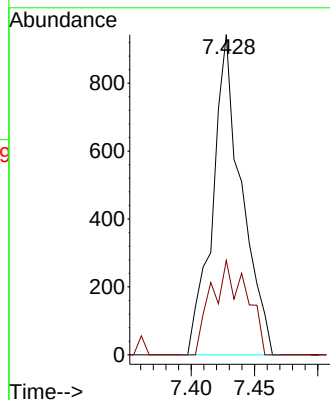
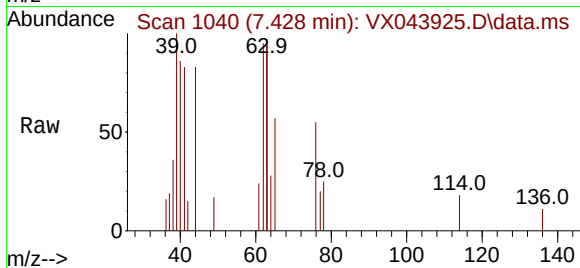
VSTDIC001

Tgt Ion: 63 Resp: 1503

Ion Ratio Lower Upper

63 100

65 29.5 23.8 35.6



#46

Dibromomethane

Concen: 0.890 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

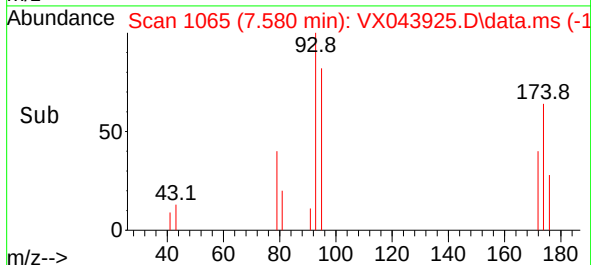
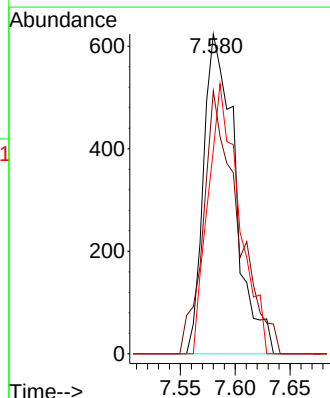
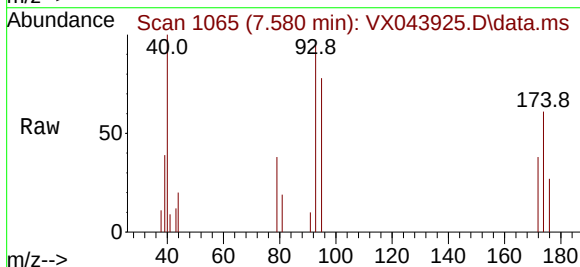
Tgt Ion: 93 Resp: 1246

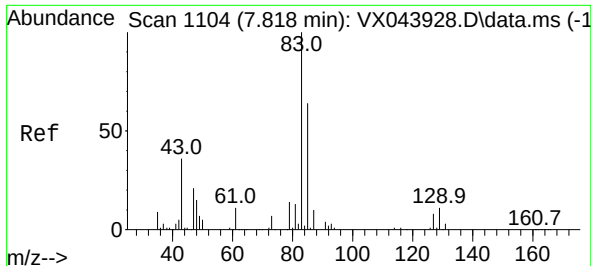
Ion Ratio Lower Upper

93 100

95 90.4 66.2 99.4

174 83.1 69.6 104.4

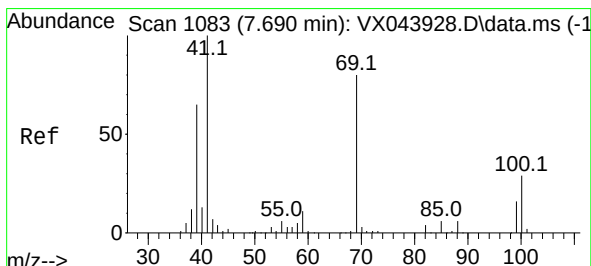
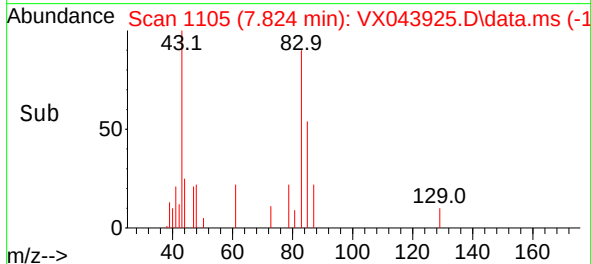
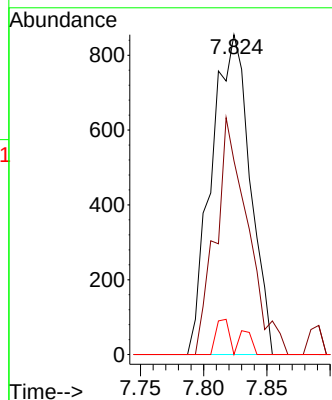
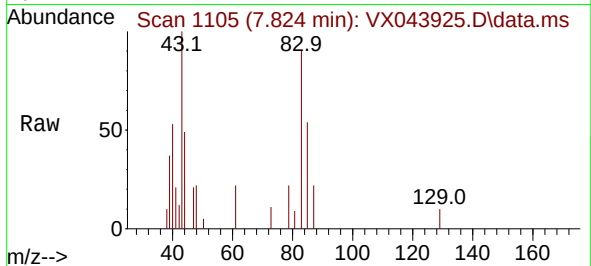




#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

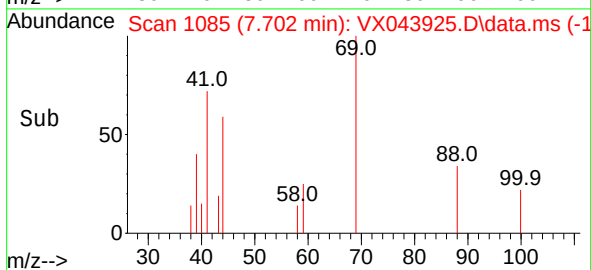
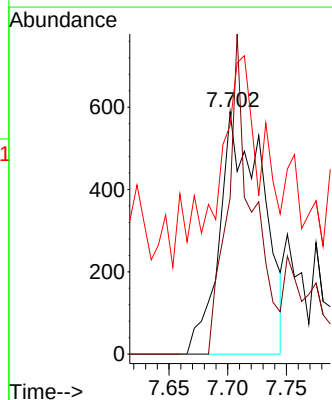
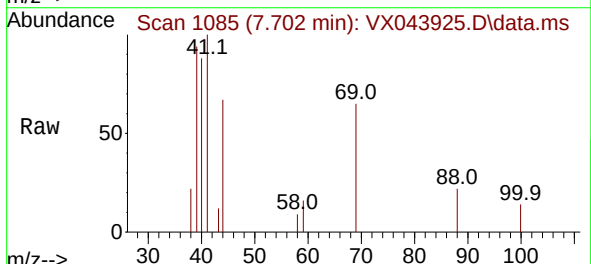
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

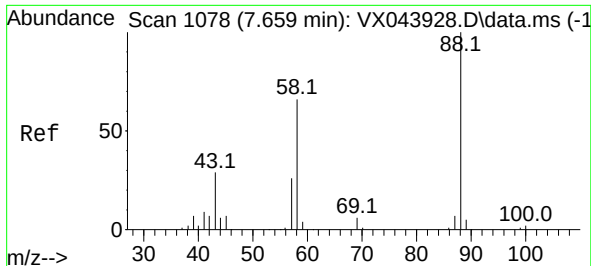
Tgt Ion: 83 Resp: 1819
Ion Ratio Lower Upper
83 100
85 60.6 51.4 77.0
127 0.0 6.6 10.0#



#48
Methyl methacrylate
Concen: 0.687 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1511
Ion Ratio Lower Upper
41 100
69 76.8 64.6 97.0
39 53.8 53.3 79.9





#49

1,4-Dioxane

Concen: 16.166 ug/l

RT: 7.671 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

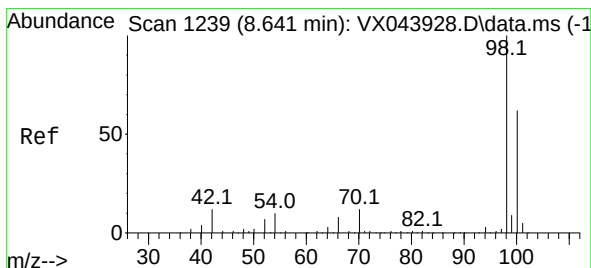
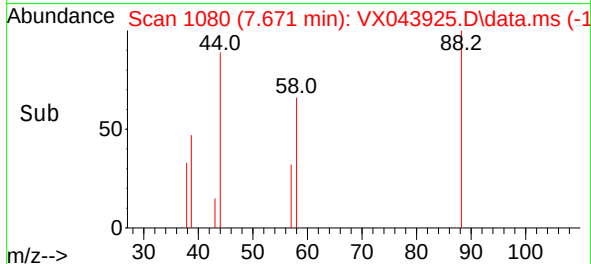
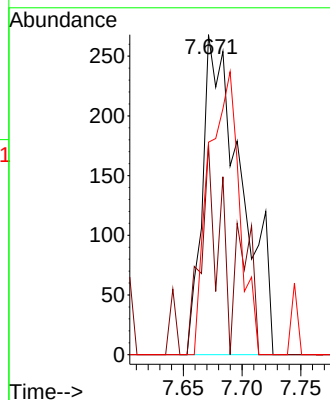
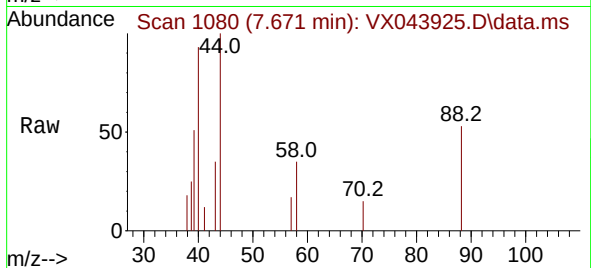
Tgt Ion: 88 Resp: 613

Ion Ratio Lower Upper

88 100

43 31.0 26.8 40.2

58 0.0 45.4 68.2#



#50

Toluene-d8

Concen: 1.132 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043925.D

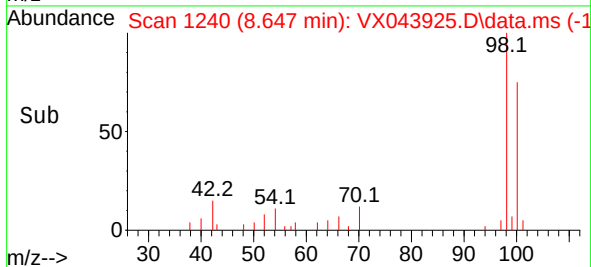
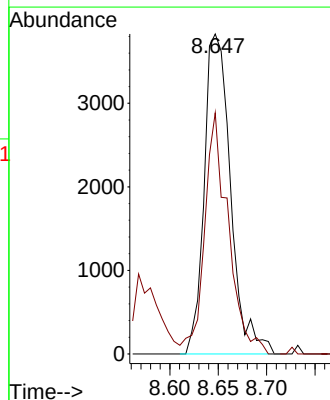
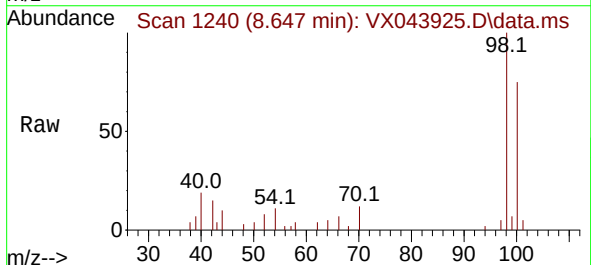
Acq: 21 Nov 2024 09:47

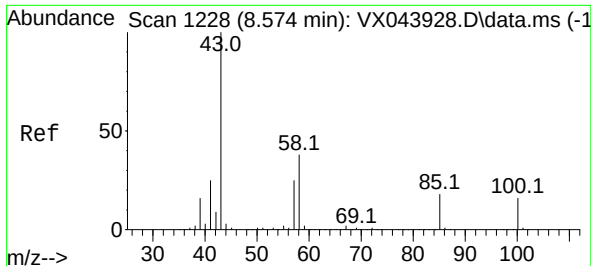
Tgt Ion: 98 Resp: 7267

Ion Ratio Lower Upper

98 100

100 67.5 52.6 79.0

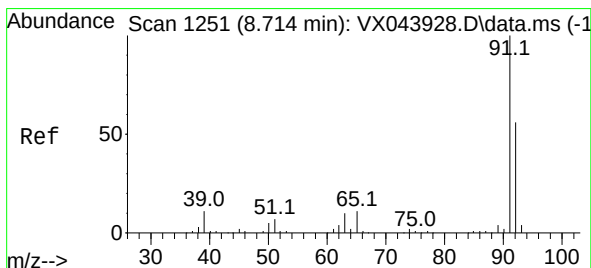
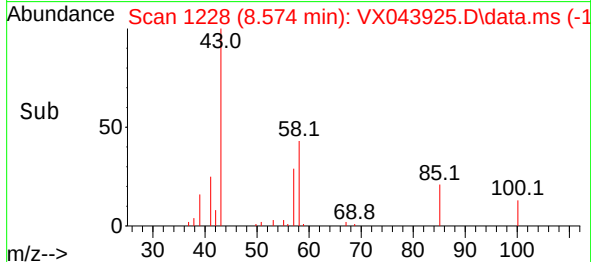
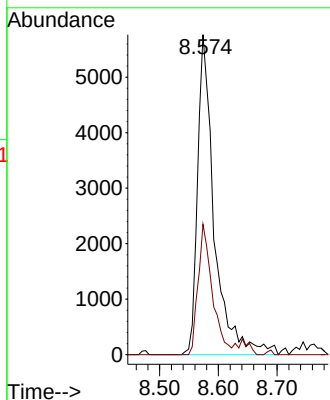
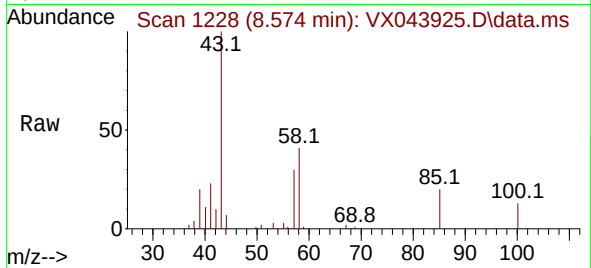




#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

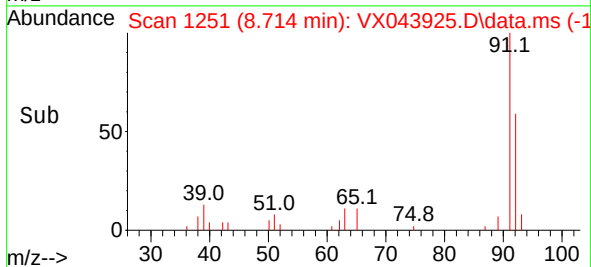
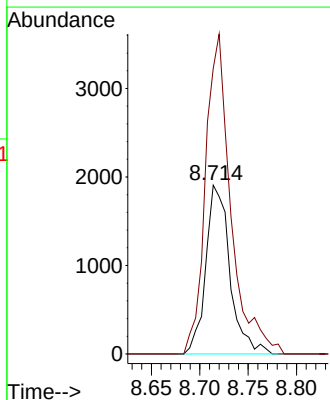
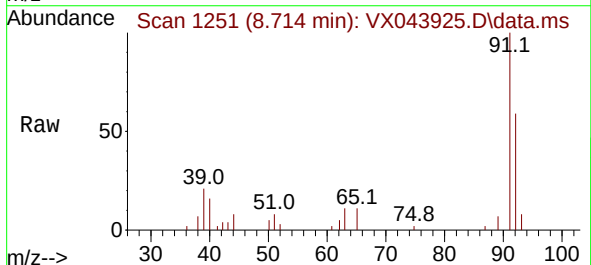
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

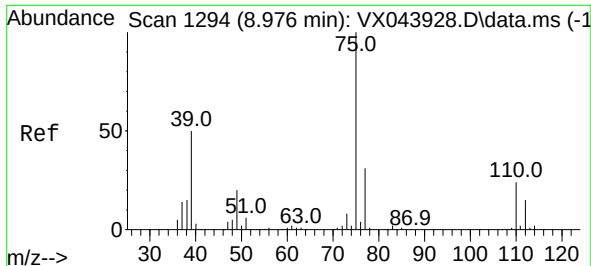
Tgt Ion: 43 Resp: 11392
Ion Ratio Lower Upper
43 100
58 34.9 30.0 45.0



#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 92 Resp: 3313
Ion Ratio Lower Upper
92 100
91 199.1 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 0.694 ug/l

RT: 8.988 min Scan# 1194

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

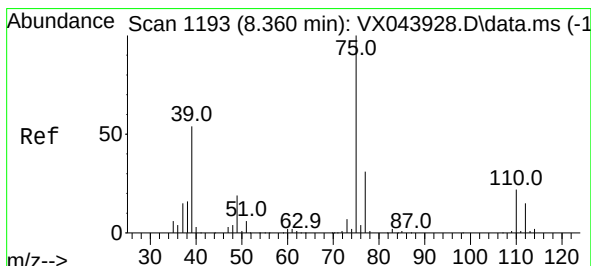
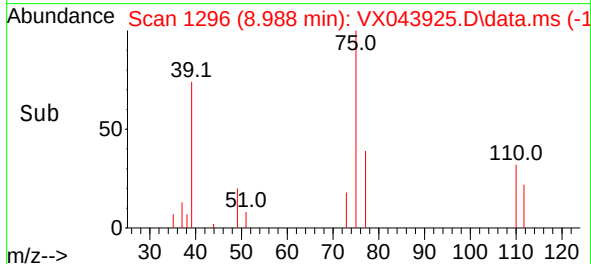
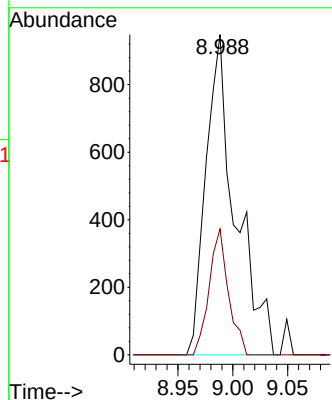
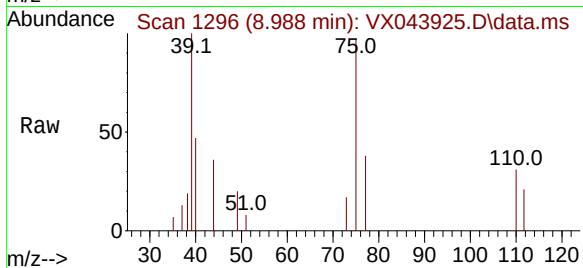
VSTDICC001

Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

77 39.3 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 0.759 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

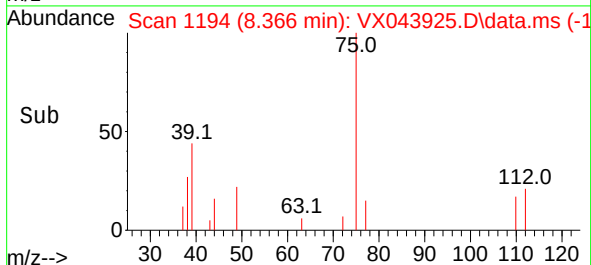
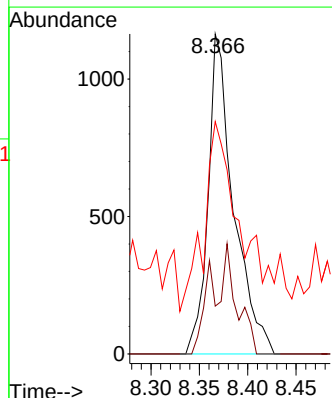
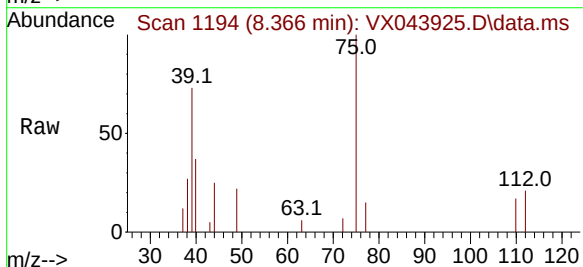
Tgt Ion: 75 Resp: 2132

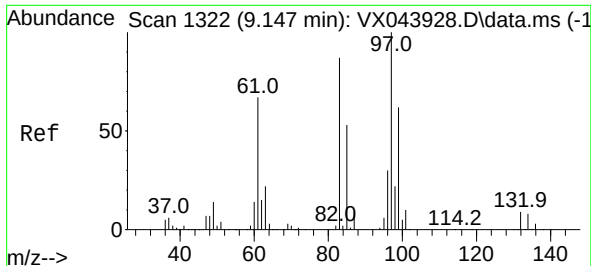
Ion Ratio Lower Upper

75 100

77 14.9 25.2 37.8#

39 59.3 43.1 64.7

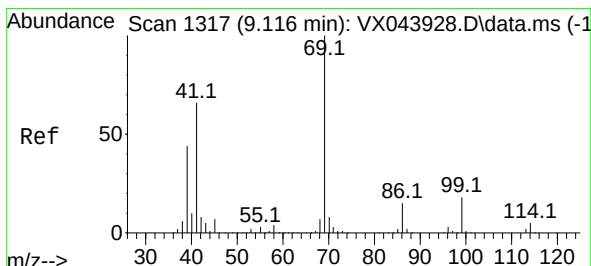
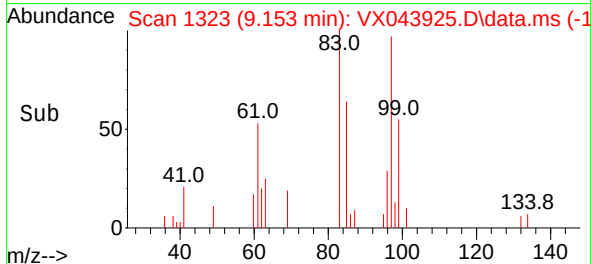
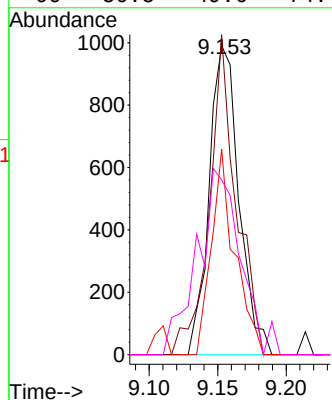
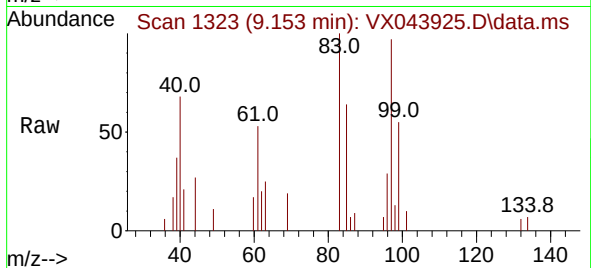




#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 1496
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

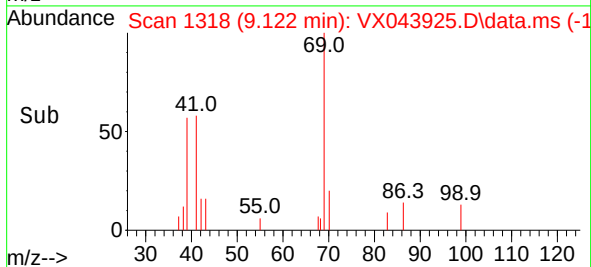
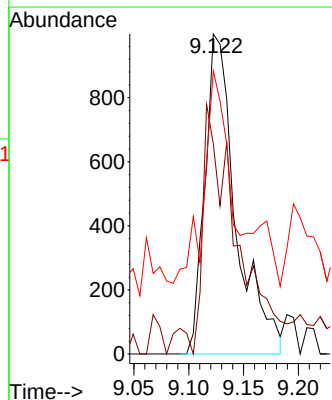
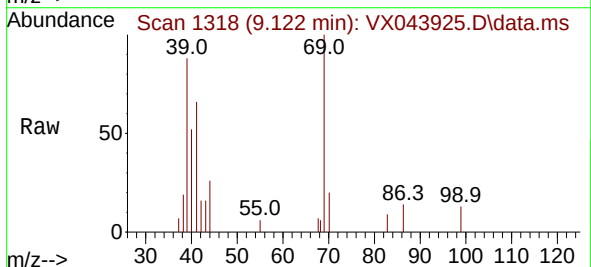
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

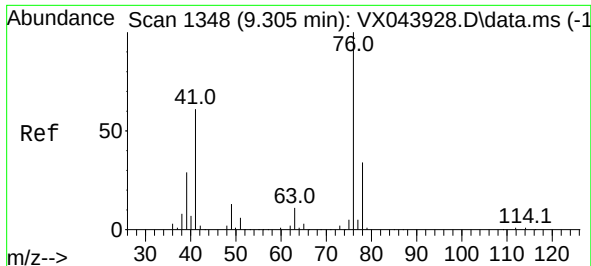
Tgt Ion	Ratio	Lower	Upper
97	100		
83	103.5	69.4	104.0
85	66.5	42.3	63.5#
99	56.5	49.6	74.4



#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	85.3	55.8	83.8#
39	56.7	36.7	55.1#

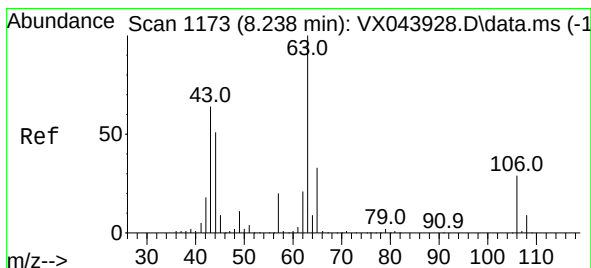
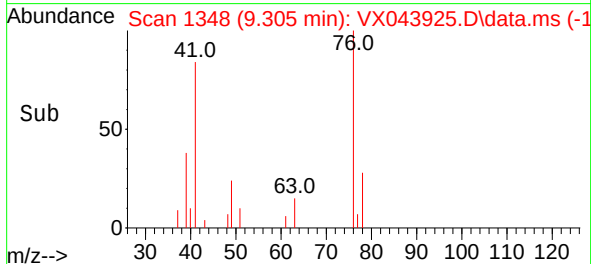
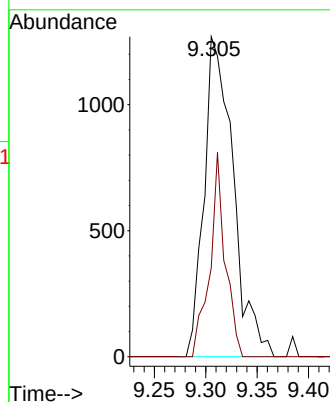
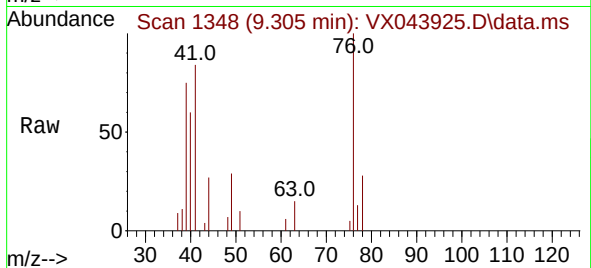




#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

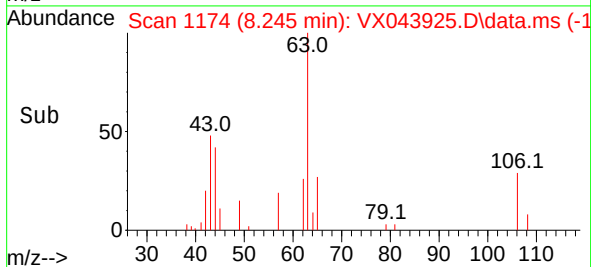
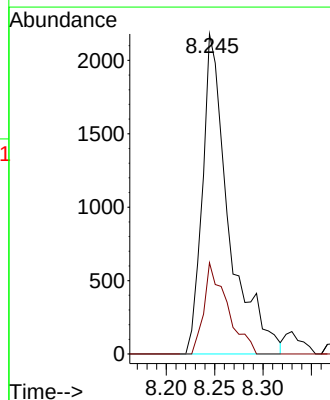
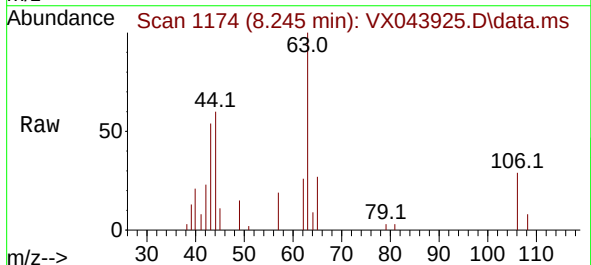
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

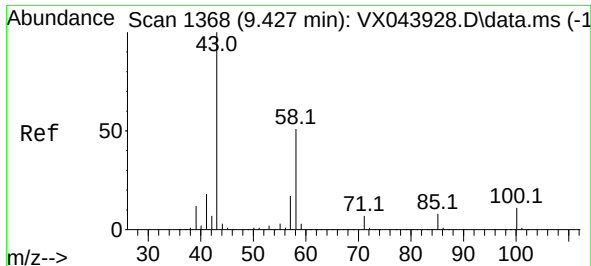
Tgt Ion: 76 Resp: 2502
Ion Ratio Lower Upper
76 100
78 33.6 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 4135
Ion Ratio Lower Upper
63 100
106 25.2 23.0 34.6

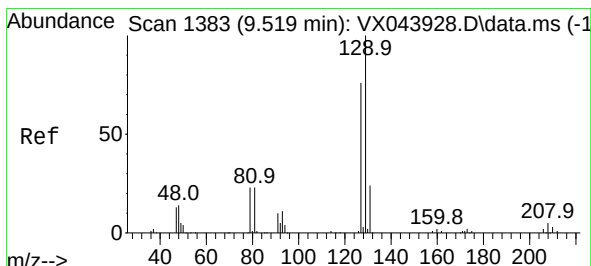
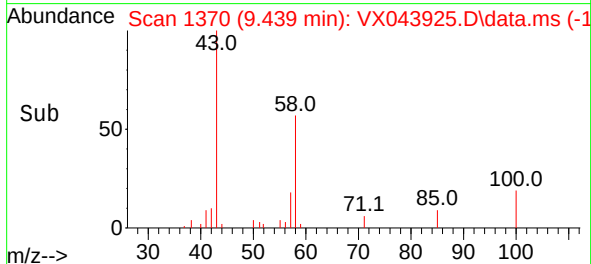
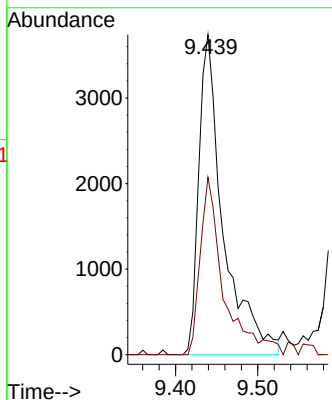
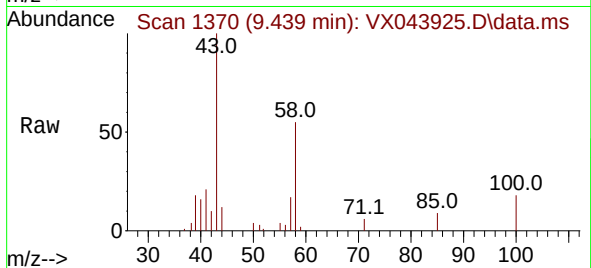




#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

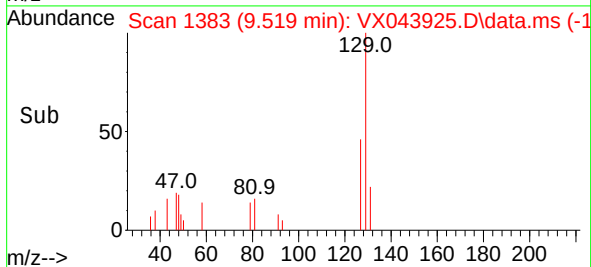
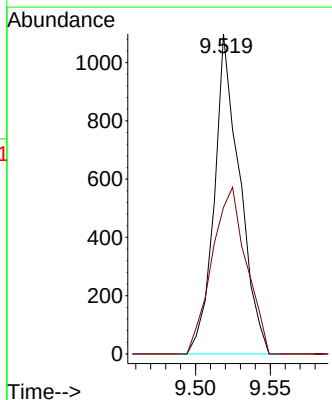
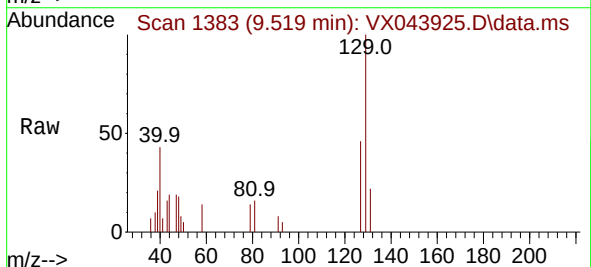
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

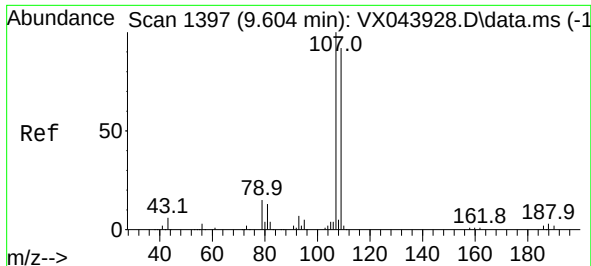
Tgt Ion: 43 Resp: 7726
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.6



#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 129 Resp: 1296
Ion Ratio Lower Upper
129 100
127 70.6 38.2 114.6

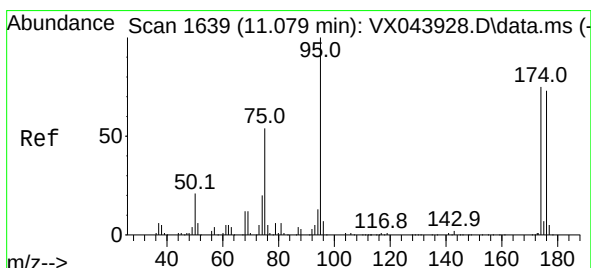
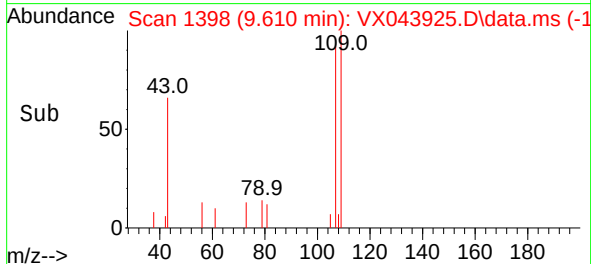
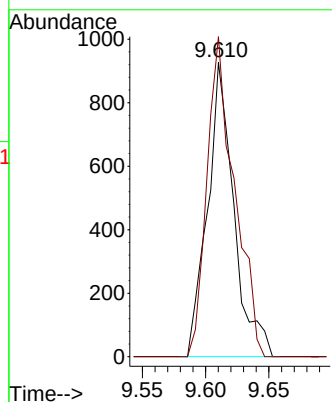
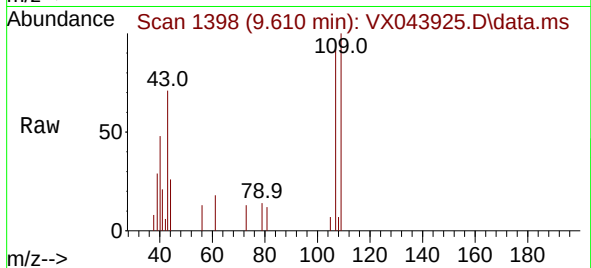




#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

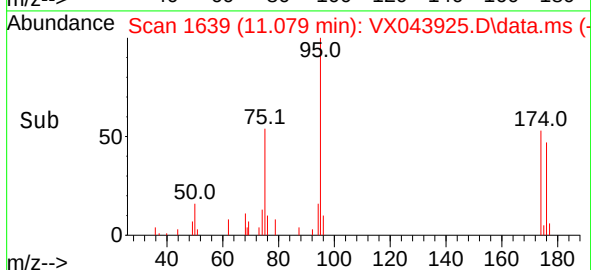
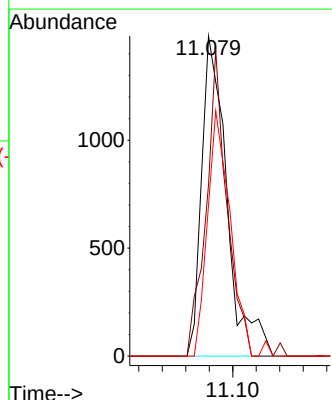
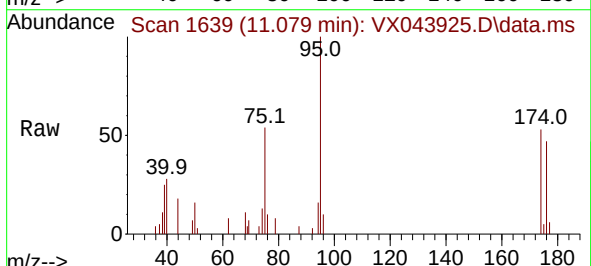
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

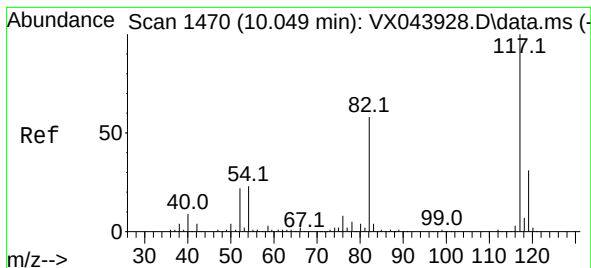
Tgt Ion:107 Resp: 1342
Ion Ratio Lower Upper
107 100
109 113.3 75.2 112.8#



#62
4-Bromofluorobenzene
Concen: 1.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 95 Resp: 2216
Ion Ratio Lower Upper
95 100
174 78.8 0.0 150.4
176 68.4 0.0 146.0

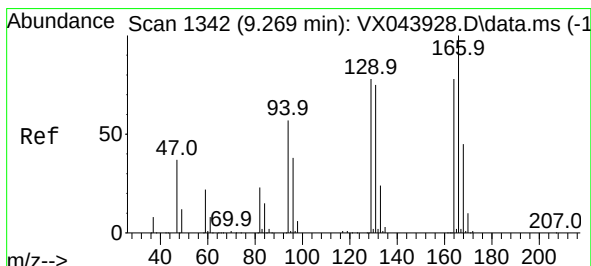
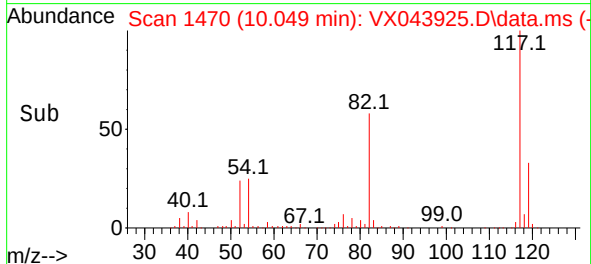
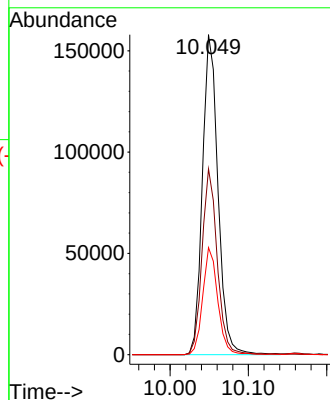
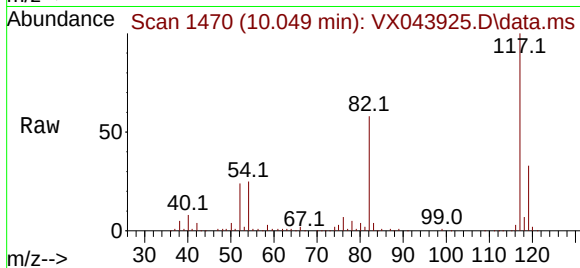




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

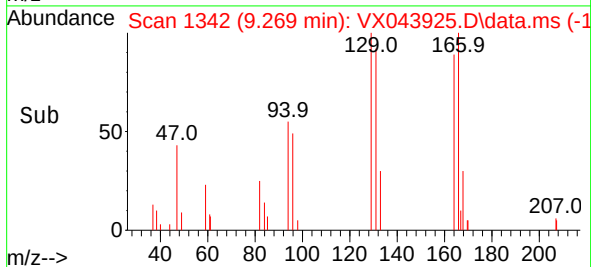
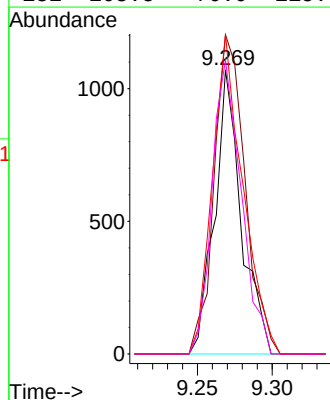
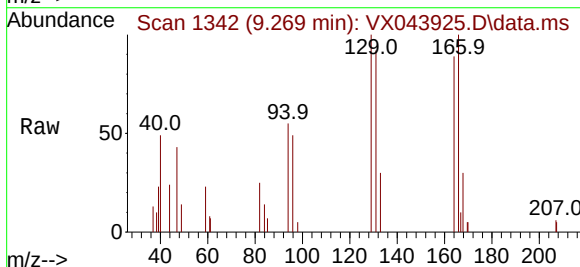
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

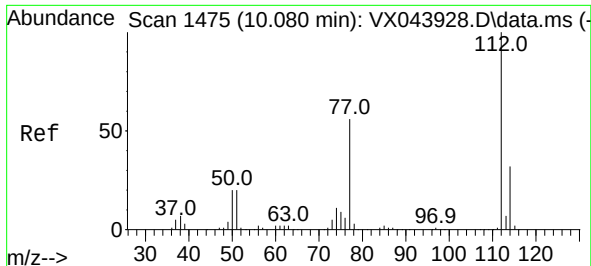
Tgt Ion:117 Resp: 218244
Ion Ratio Lower Upper
117 100
82 58.1 46.4 69.6
119 33.5 24.6 37.0



#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 1329
Ion Ratio Lower Upper
164 100
166 112.3 102.1 153.1
129 112.6 79.6 119.4
131 103.5 76.9 115.3





#65

Chlorobenzene

Concen: 0.957 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

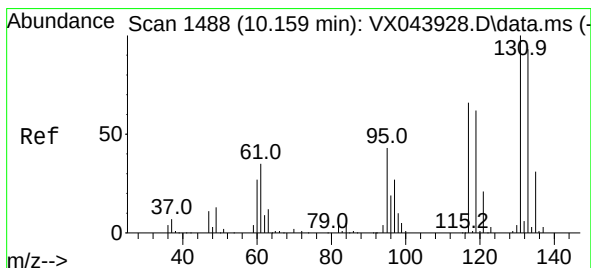
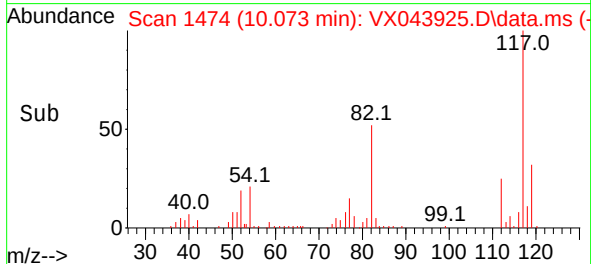
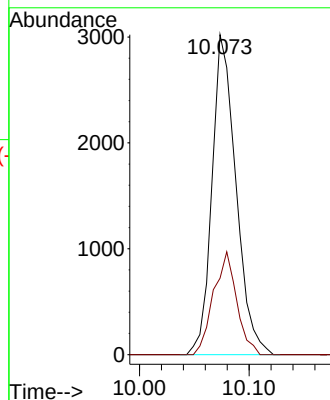
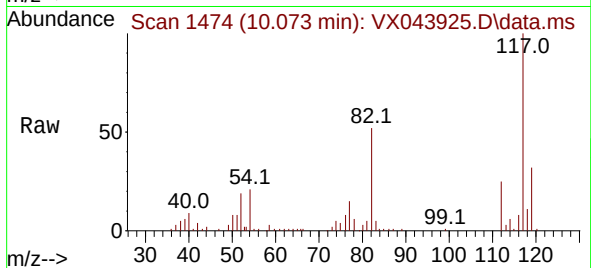
VSTDIC001

Tgt Ion:112 Resp: 4585

Ion Ratio Lower Upper

112 100

114 23.9 25.4 38.0#



#66

1,1,1,2-Tetrachloroethane

Concen: 0.731 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

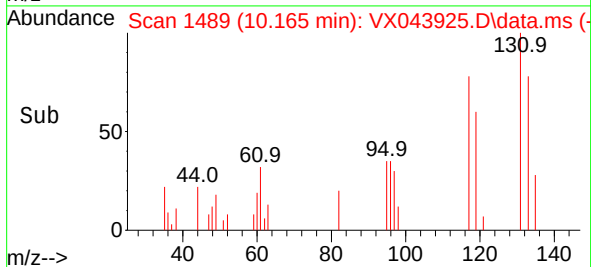
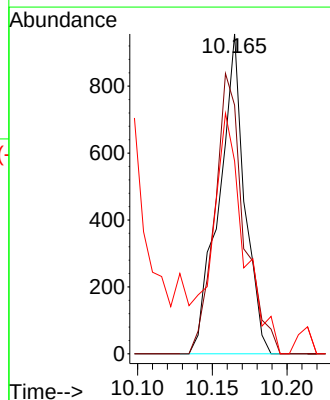
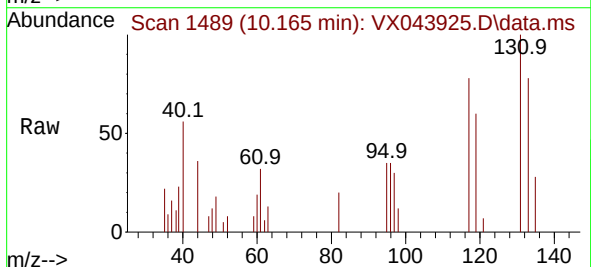
Tgt Ion:131 Resp: 1136

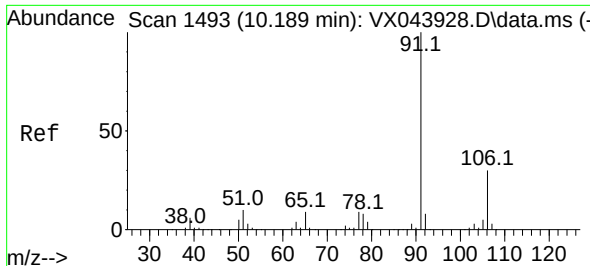
Ion Ratio Lower Upper

131 100

133 100.0 48.2 144.6

119 0.0 31.5 94.5#





#67

Ethyl Benzene

Concen: 0.848 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

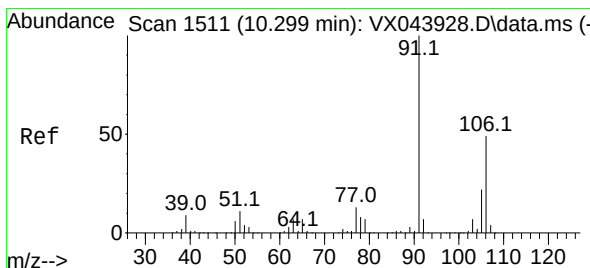
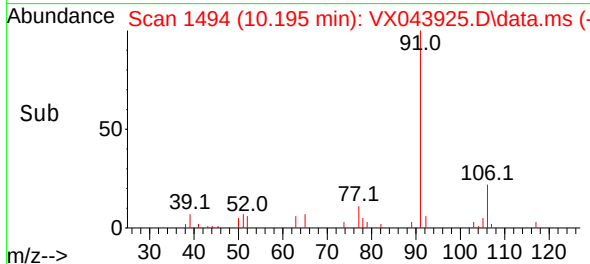
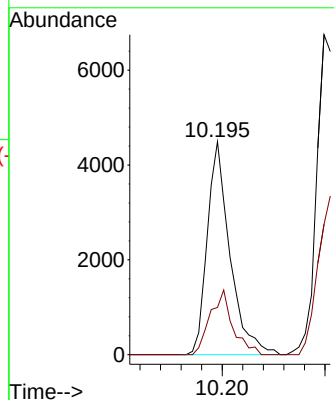
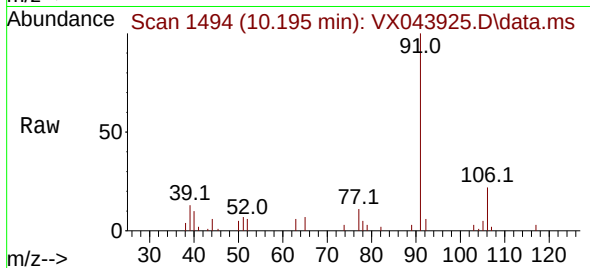
VSTDIC001

Tgt Ion: 91 Resp: 6890

Ion Ratio Lower Upper

91 100

106 22.2 23.6 35.4#



#68

m/p-Xylenes

Concen: 1.758 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043925.D

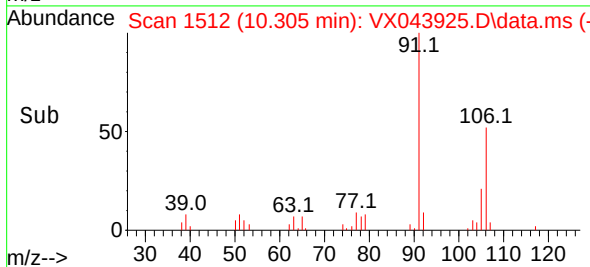
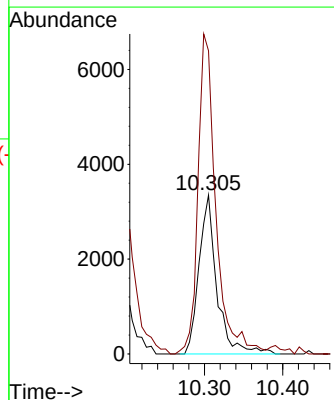
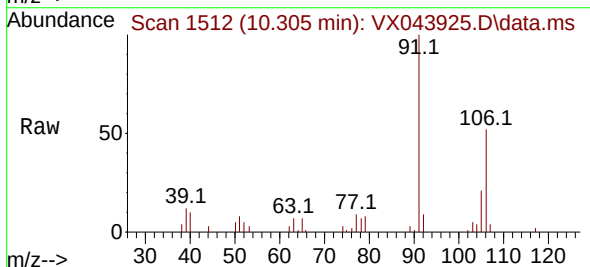
Acq: 21 Nov 2024 09:47

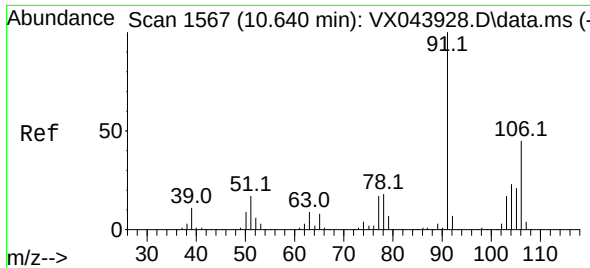
Tgt Ion: 106 Resp: 5324

Ion Ratio Lower Upper

106 100

91 201.7 168.1 252.1

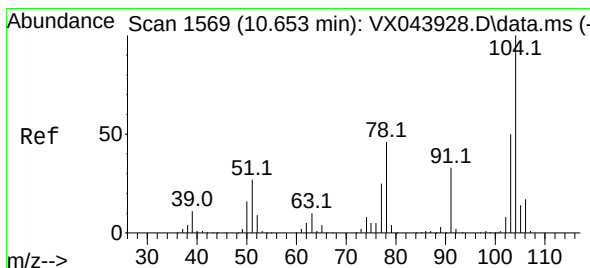
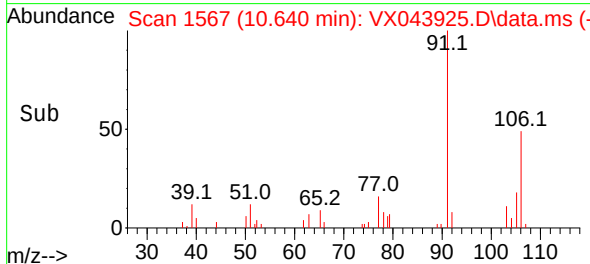
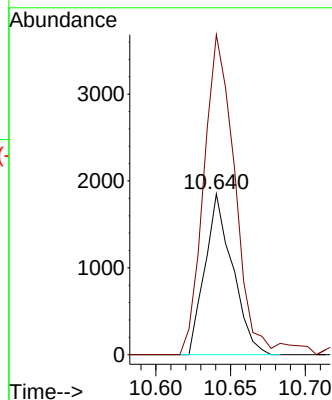
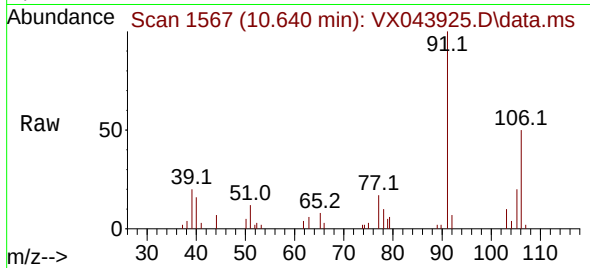




#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

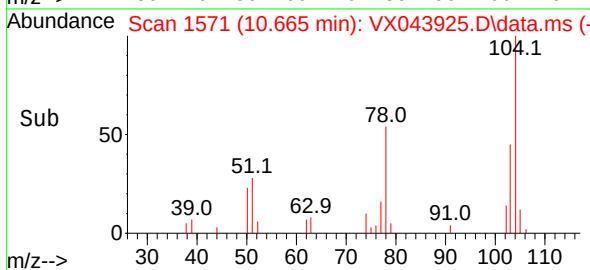
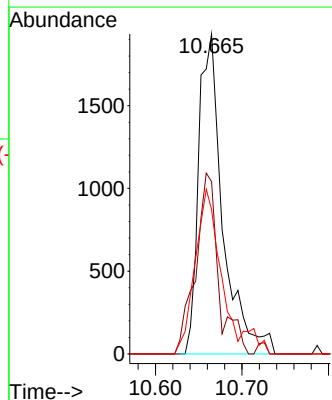
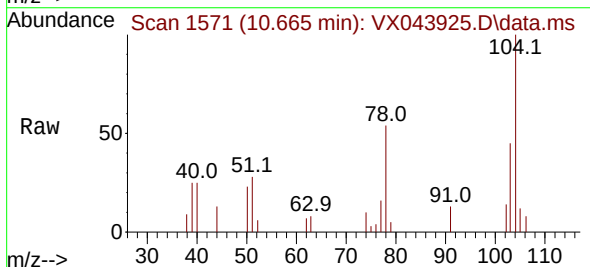
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

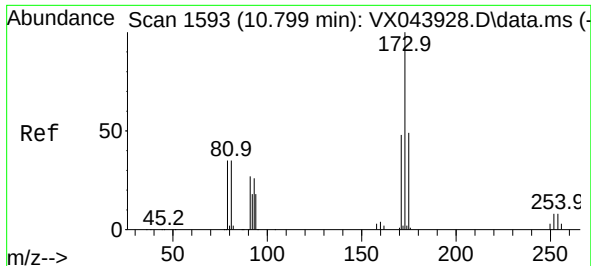
Tgt Ion:106 Resp: 2370
Ion Ratio Lower Upper
106 100
91 228.1 110.2 330.6



#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 3751
Ion Ratio Lower Upper
104 100
78 54.0 42.2 63.2
103 52.8 44.7 67.1

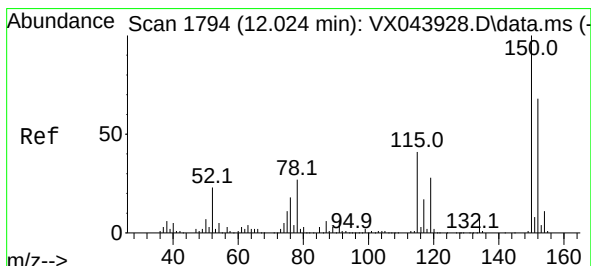
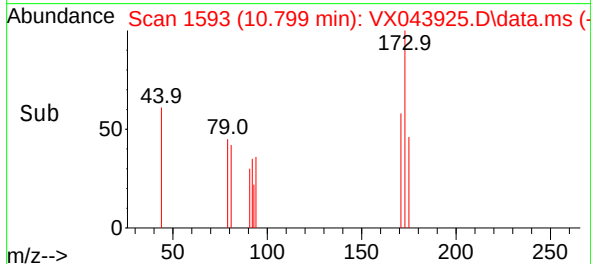
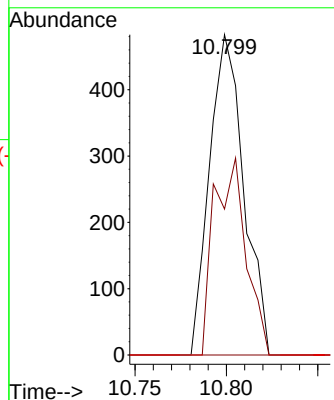
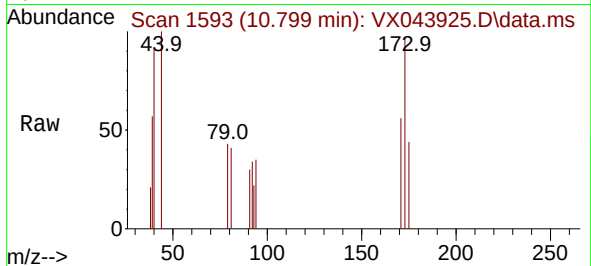




#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

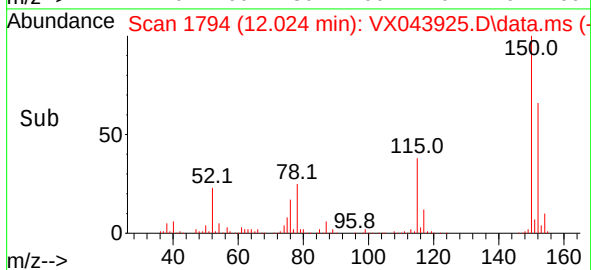
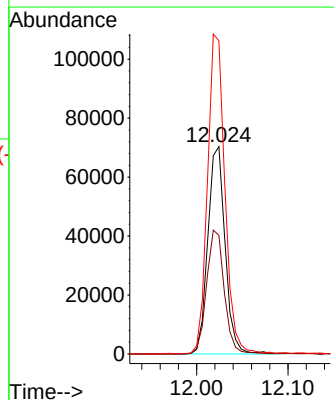
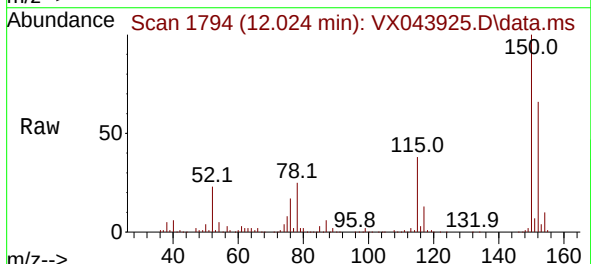
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

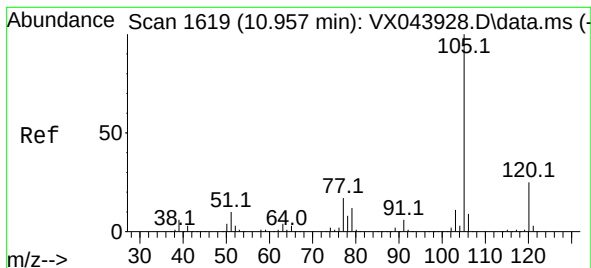
Tgt Ion:173 Resp: 632
Ion Ratio Lower Upper
173 100
175 57.1 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 92854
Ion Ratio Lower Upper
152 100
115 60.8 45.4 136.2
150 154.3 0.0 353.0





#73

Isopropylbenzene

Concen: 0.894 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

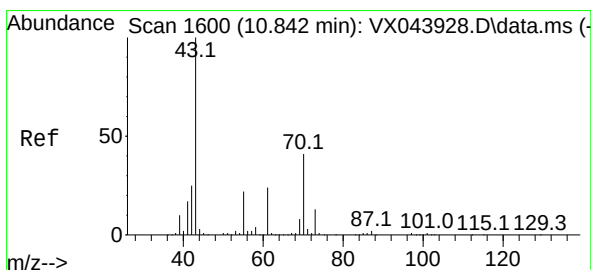
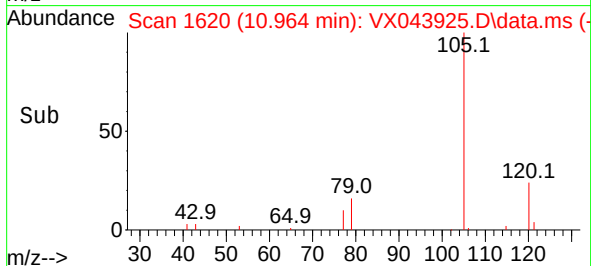
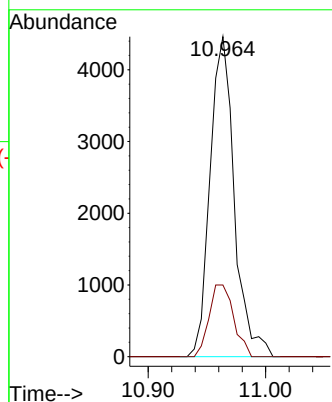
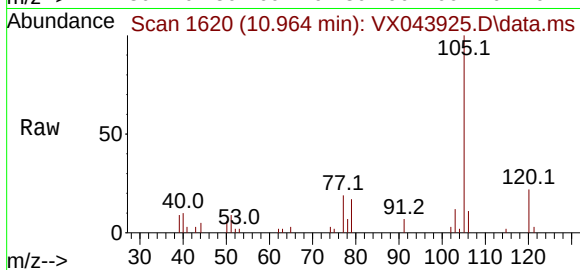
VSTDIC001

Tgt Ion:105 Resp: 6379

Ion Ratio Lower Upper

105 100

120 22.8 13.0 38.9



#74

N-ethyl acetate

Concen: 0.701 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2319

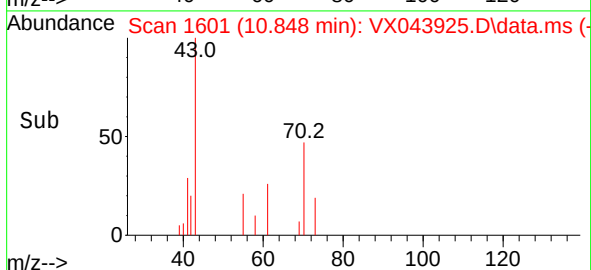
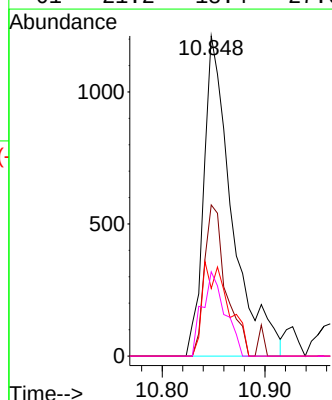
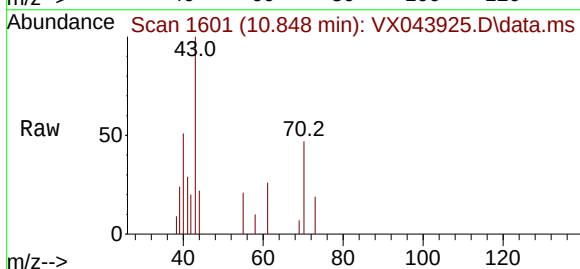
Ion Ratio Lower Upper

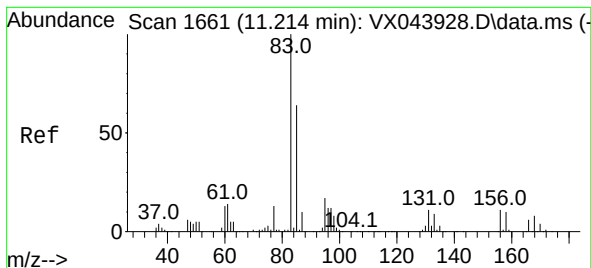
43 100

70 35.9 32.2 48.2

55 26.8 18.1 27.1

61 21.2 18.4 27.6

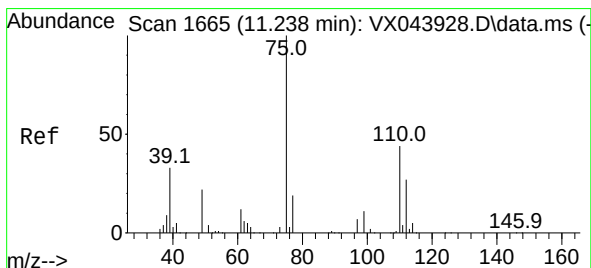
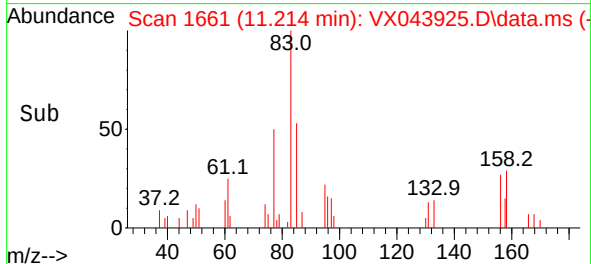
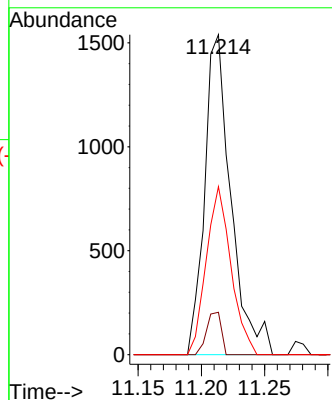
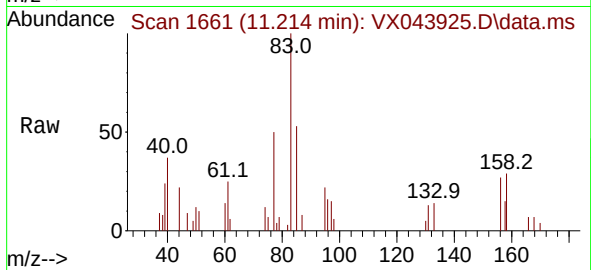




#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

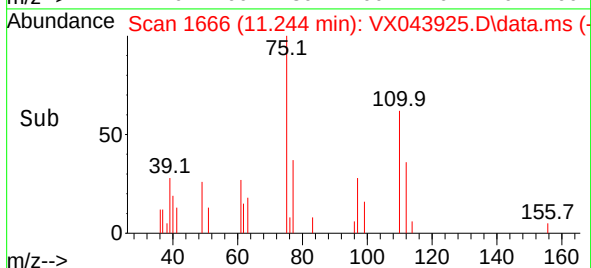
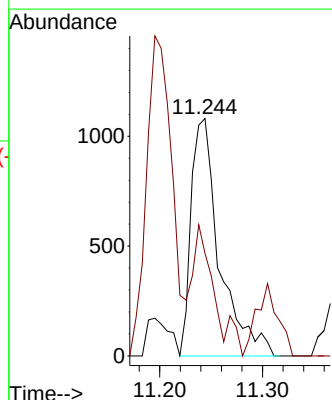
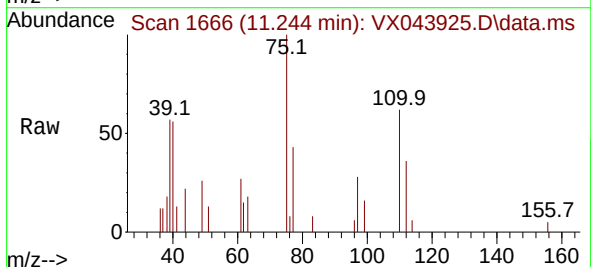
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

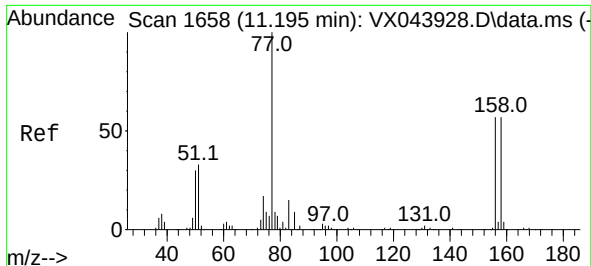
Tgt Ion: 83 Resp: 2224
Ion Ratio Lower Upper
83 100
131 7.5 5.1 15.2
85 49.5 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 1.037 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2077
Ion Ratio Lower Upper
75 100
77 41.9 21.8 65.3

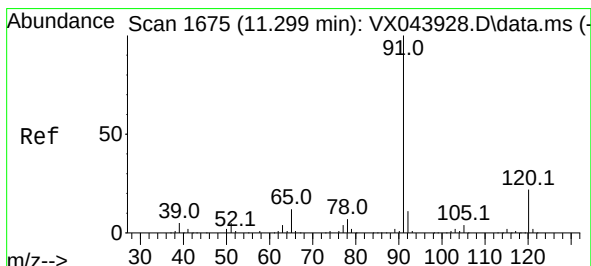
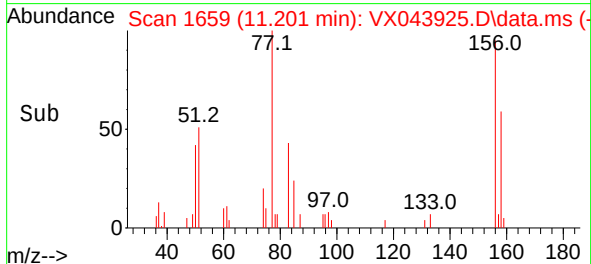
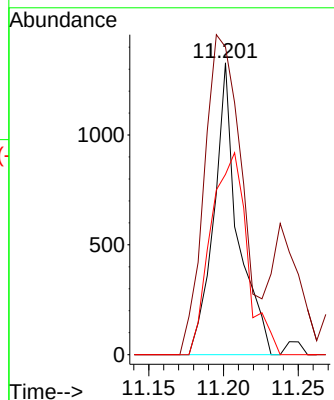
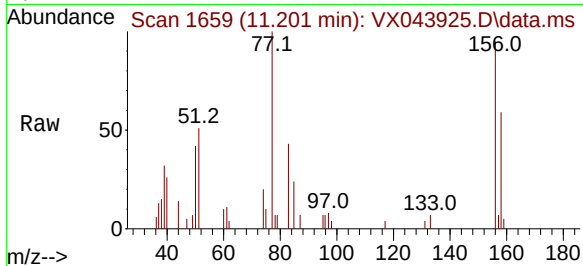




#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

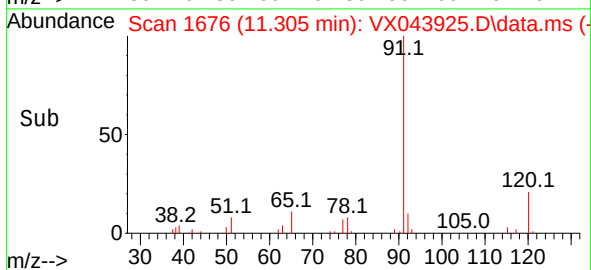
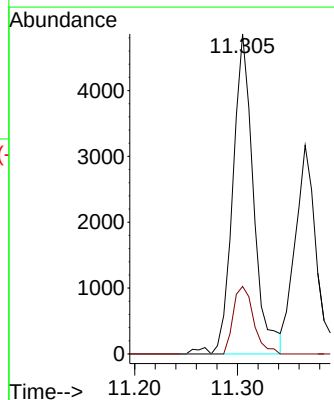
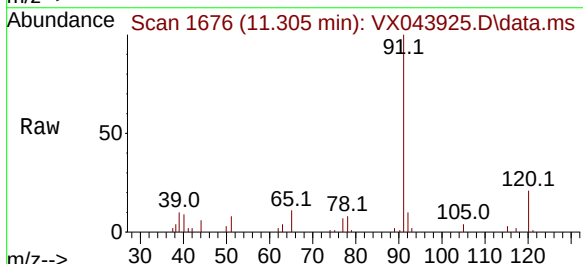
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

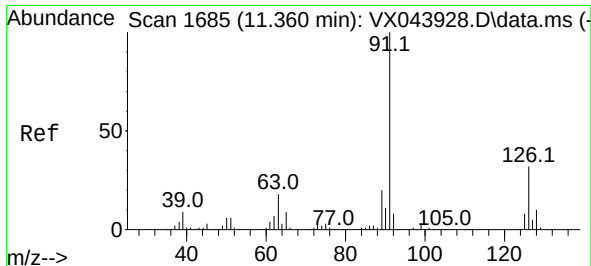
Tgt Ion:156 Resp: 1475
Ion Ratio Lower Upper
156 100
77 171.7 83.4 250.1
158 105.1 47.6 142.8



#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6810
Ion Ratio Lower Upper
91 100
120 20.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.916 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

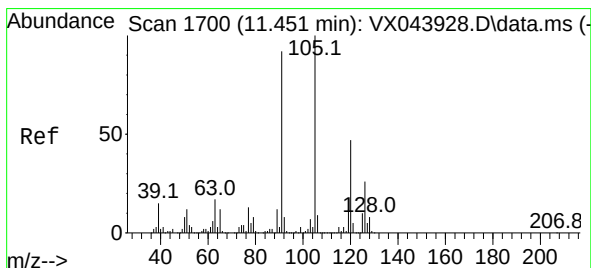
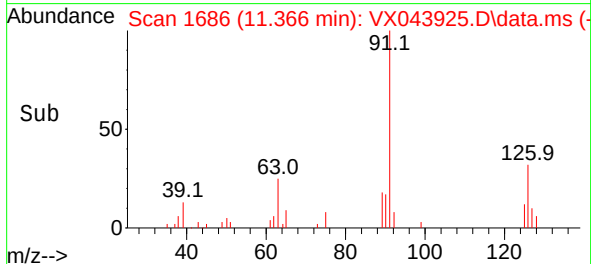
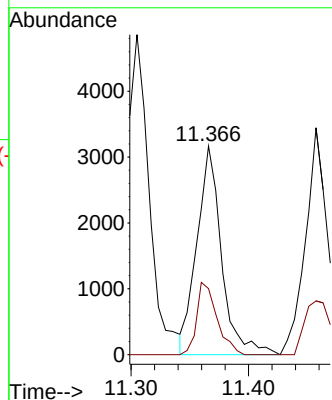
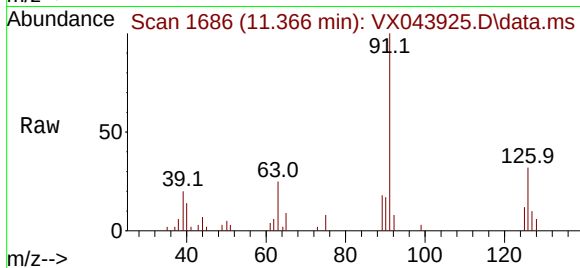
VSTDIC001

Tgt Ion: 91 Resp: 4618

Ion Ratio Lower Upper

91 100

126 28.5 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043925.D

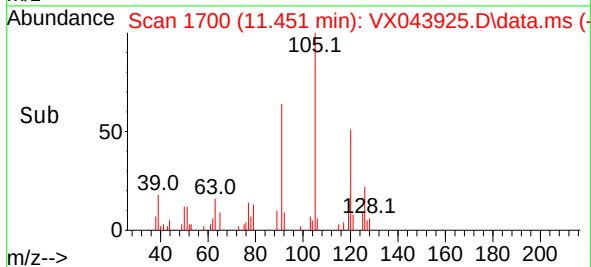
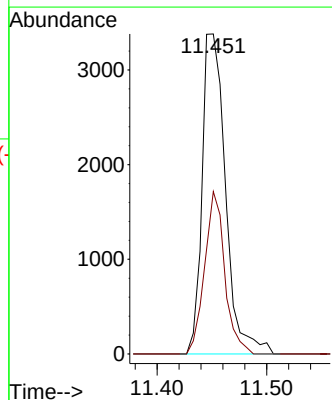
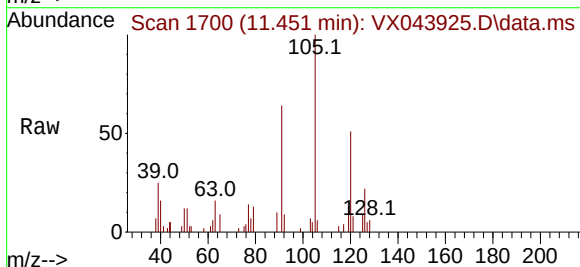
Acq: 21 Nov 2024 09:47

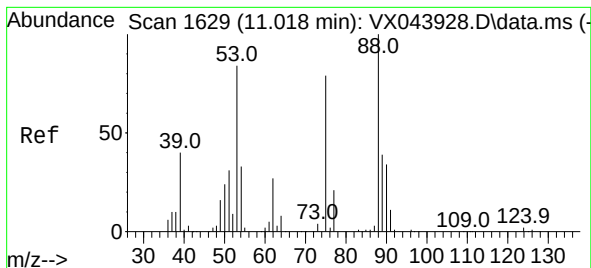
Tgt Ion: 105 Resp: 5022

Ion Ratio Lower Upper

105 100

120 43.6 23.3 69.8

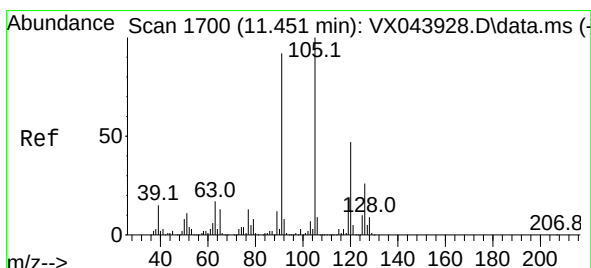
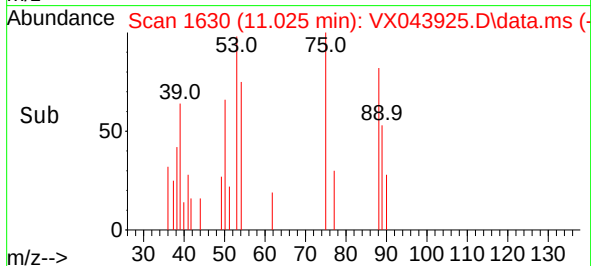
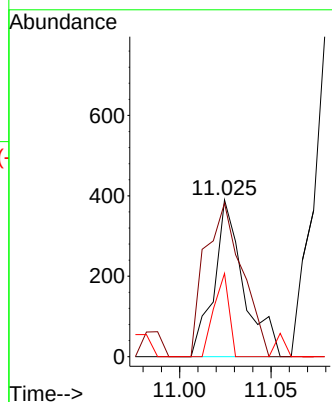
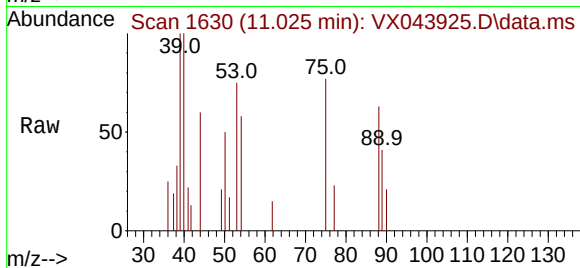




#81
trans-1,4-Dichloro-2-butene
Concen: 0.592 ug/l
RT: 11.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

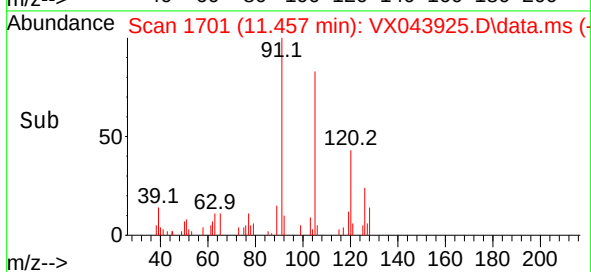
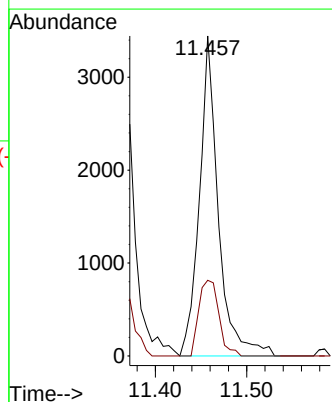
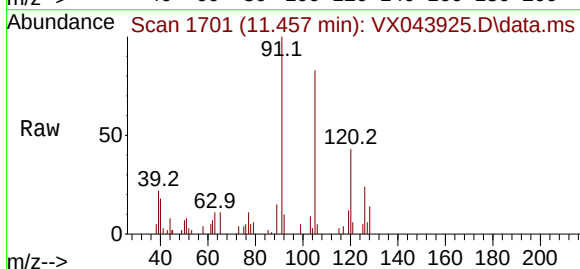
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

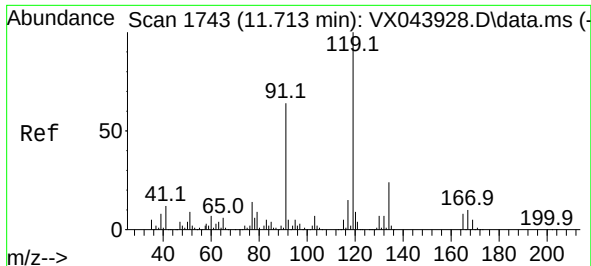
Tgt Ion: 75 Resp: 442
Ion Ratio Lower Upper
75 100
53 122.4 86.7 130.1
89 26.9 38.2 57.2#



#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940
Ion Ratio Lower Upper
91 100
126 25.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 0.824 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

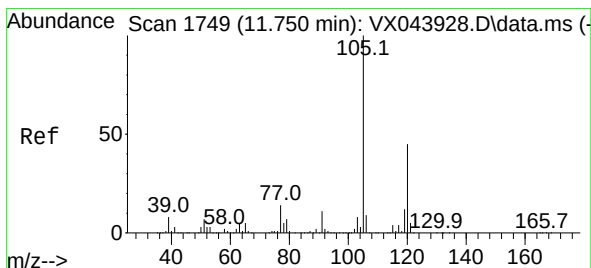
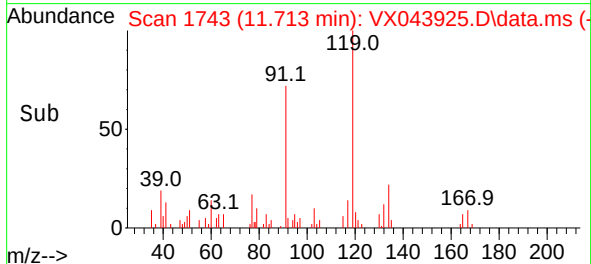
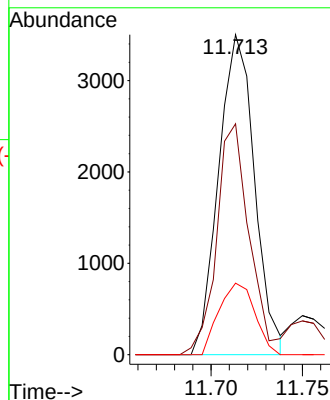
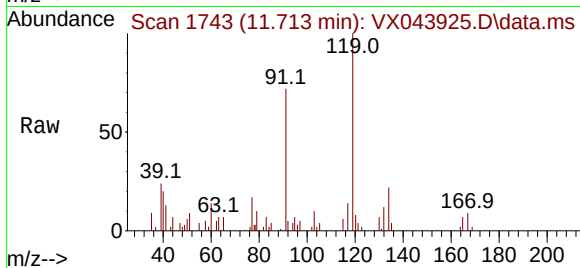
Tgt Ion:119 Resp: 4794

Ion Ratio Lower Upper

119 100

91 65.8 31.0 93.0

134 22.3 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 0.812 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043925.D

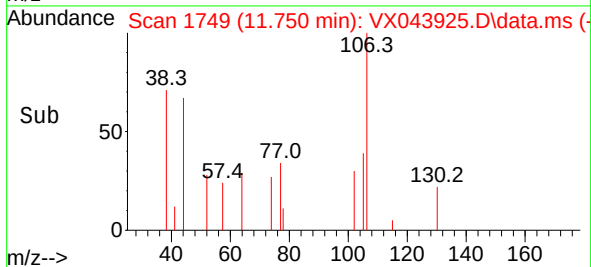
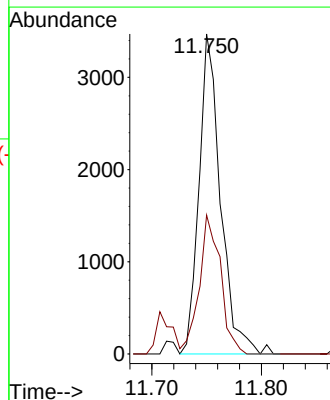
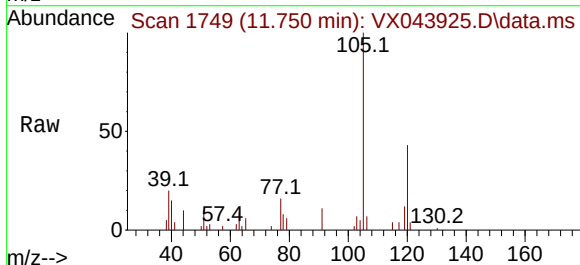
Acq: 21 Nov 2024 09:47

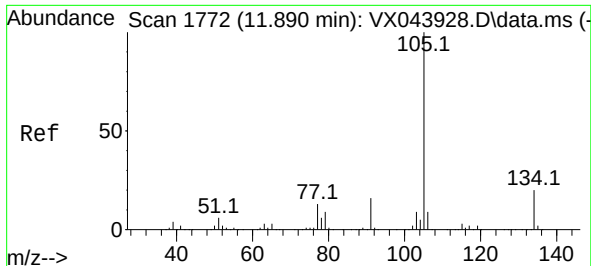
Tgt Ion:105 Resp: 4748

Ion Ratio Lower Upper

105 100

120 42.8 21.9 65.7

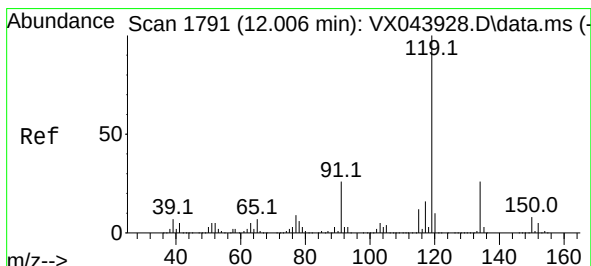
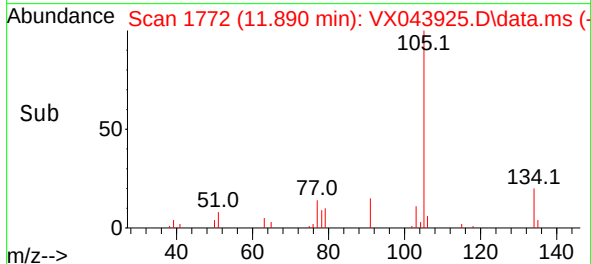
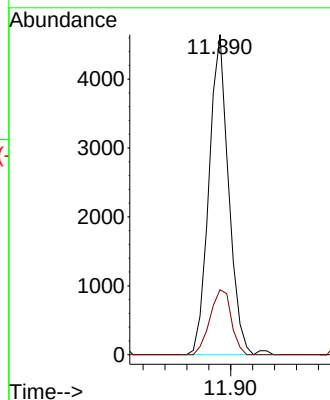
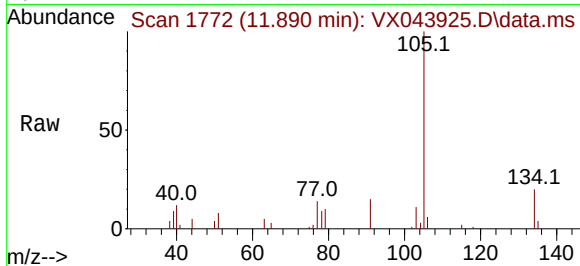




#85
 sec-Butylbenzene
 Concen: 0.812 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX043925.D
 Acq: 21 Nov 2024 09:47

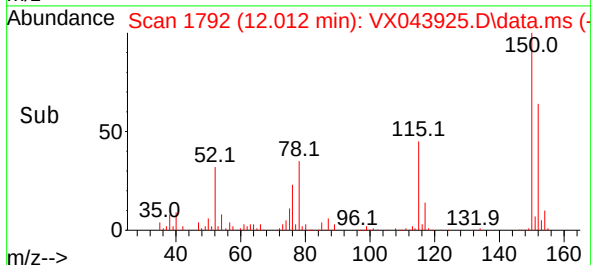
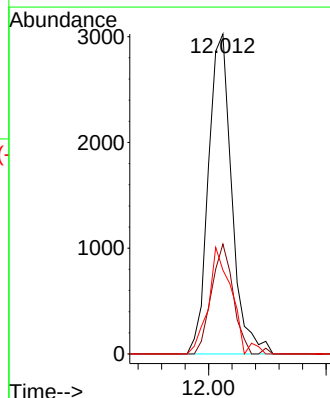
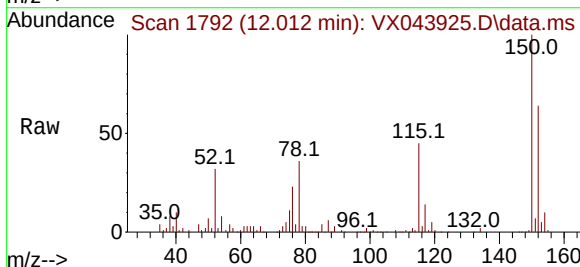
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

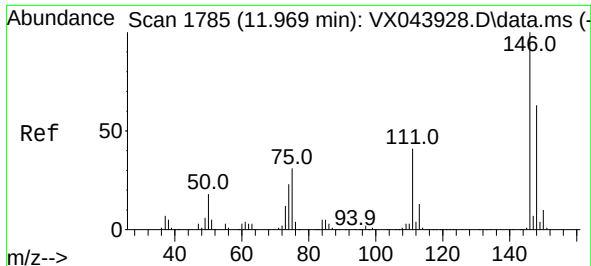
Tgt Ion:105 Resp: 5787
 Ion Ratio Lower Upper
 105 100
 134 22.0 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 0.723 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX043925.D
 Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187
 Ion Ratio Lower Upper
 119 100
 134 31.8 13.0 38.9
 91 33.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 0.946 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

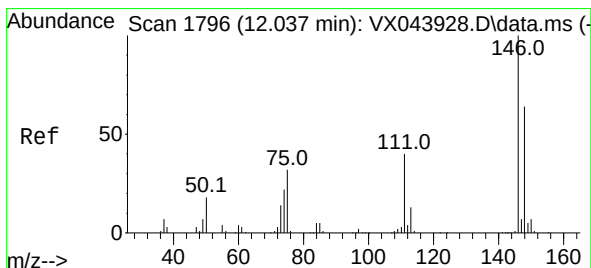
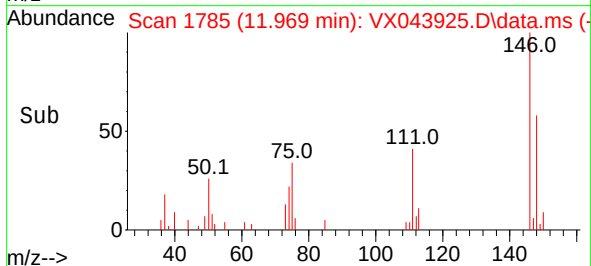
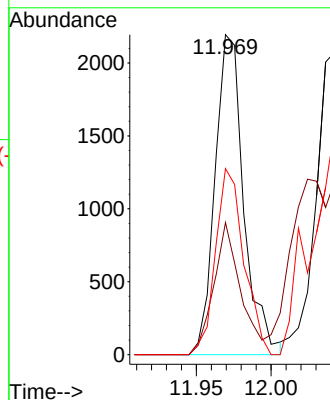
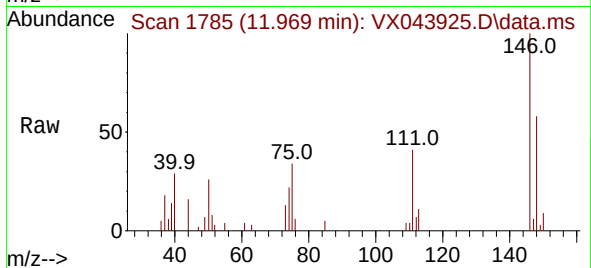
Tgt Ion:146 Resp: 2934

Ion Ratio Lower Upper

146 100

111 38.3 21.1 63.3

148 57.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.932 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

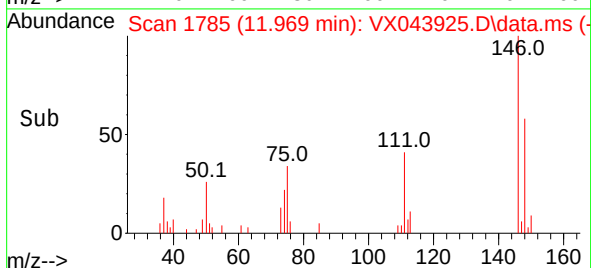
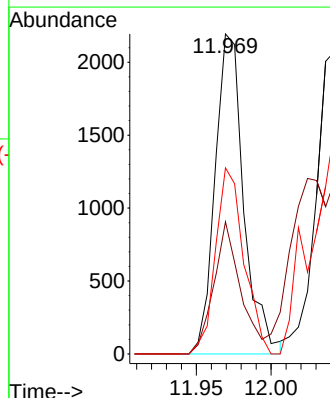
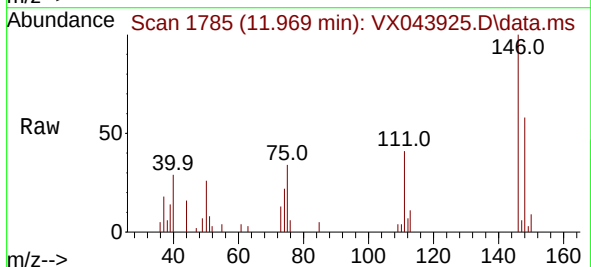
Tgt Ion:146 Resp: 2934

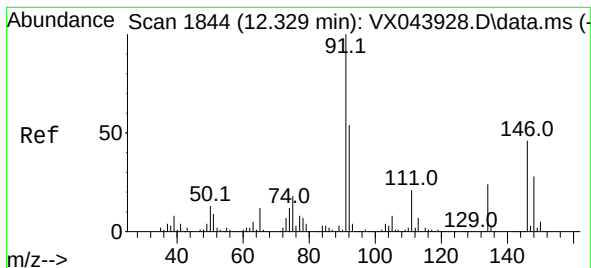
Ion Ratio Lower Upper

146 100

111 38.3 20.1 60.3

148 57.6 30.9 92.8





#89

n-Butylbenzene

Concen: 0.690 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

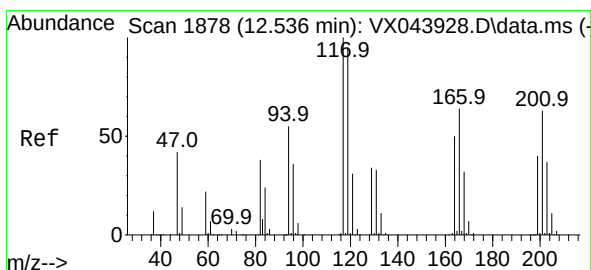
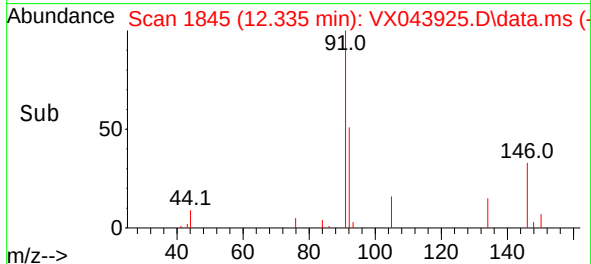
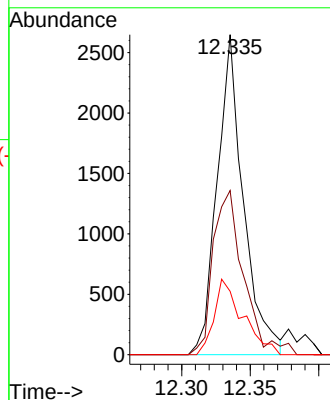
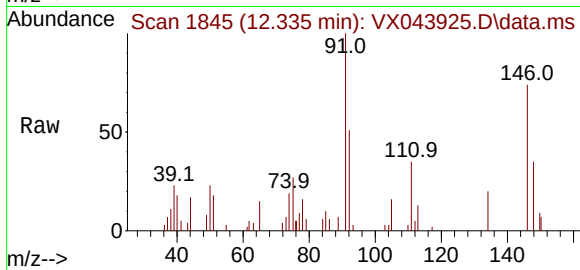
Tgt Ion: 91 Resp: 3522

Ion Ratio Lower Upper

91 100

92 59.8 26.6 79.8

134 25.8 12.4 37.2



#90

Hexachloroethane

Concen: 0.848 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043925.D

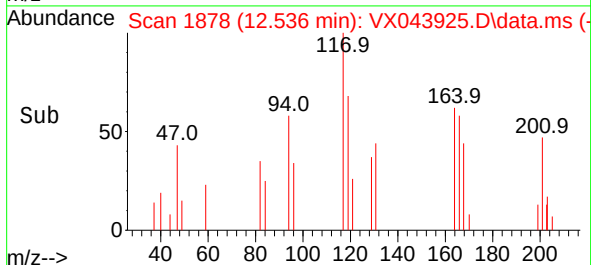
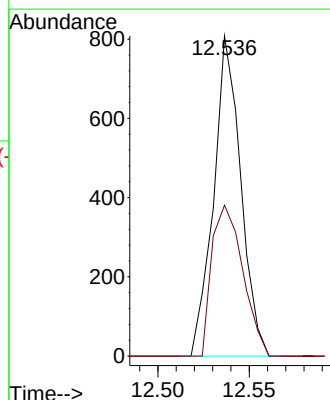
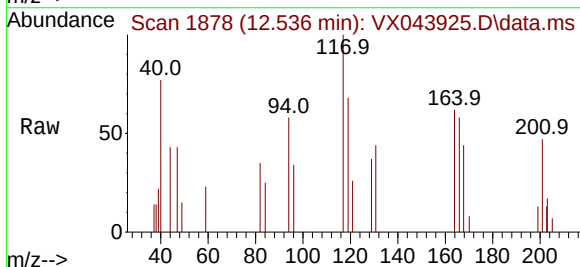
Acq: 21 Nov 2024 09:47

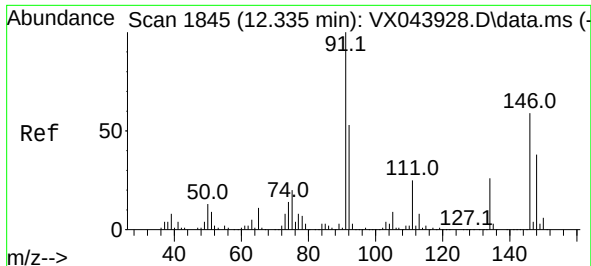
Tgt Ion: 117 Resp: 835

Ion Ratio Lower Upper

117 100

201 53.7 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 0.893 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

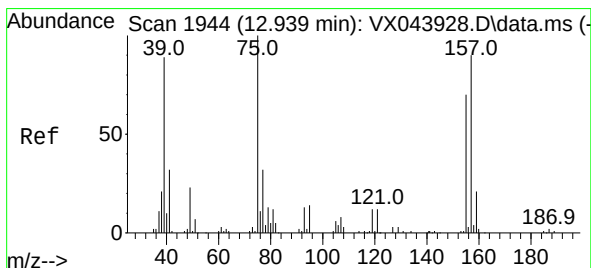
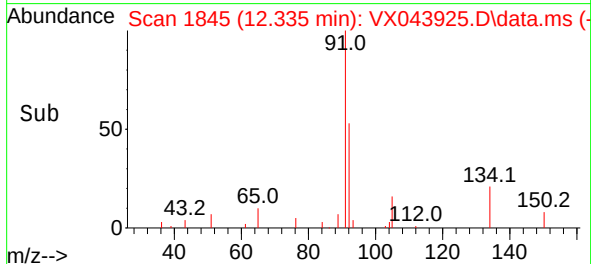
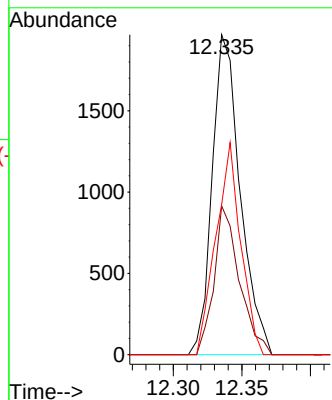
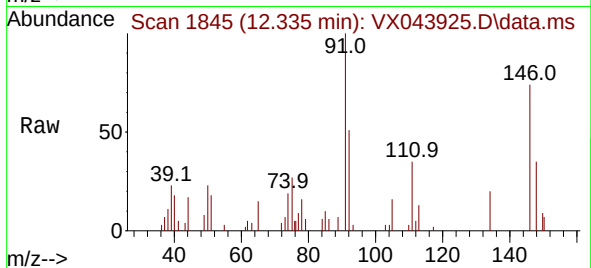
Tgt Ion:146 Resp: 2796

Ion Ratio Lower Upper

146 100

111 42.2 21.5 64.5

148 58.8 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.807 ug/l

RT: 12.957 min Scan# 1947

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

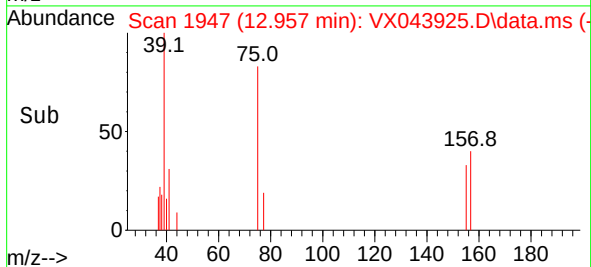
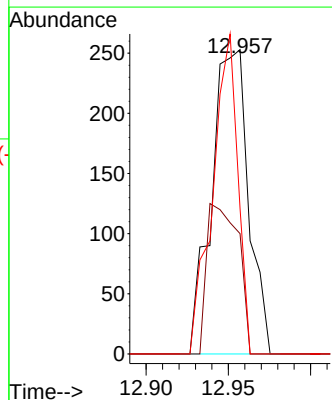
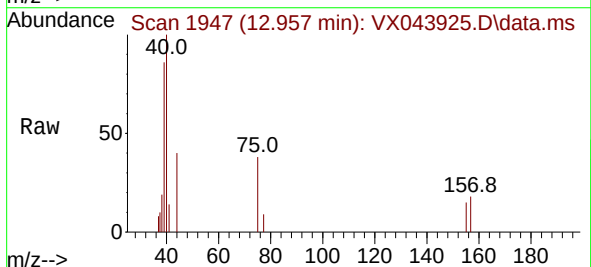
Tgt Ion: 75 Resp: 395

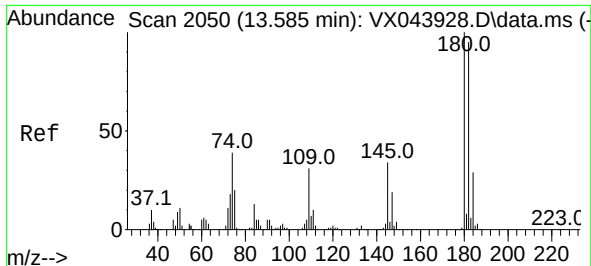
Ion Ratio Lower Upper

75 100

155 42.0 40.1 120.2

157 71.6 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 0.854 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

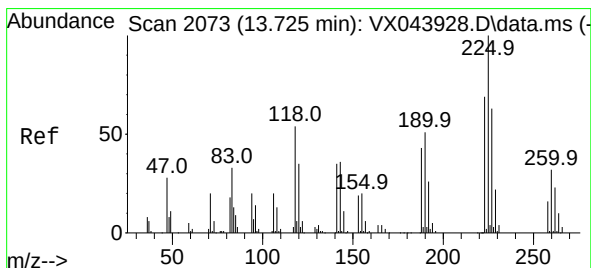
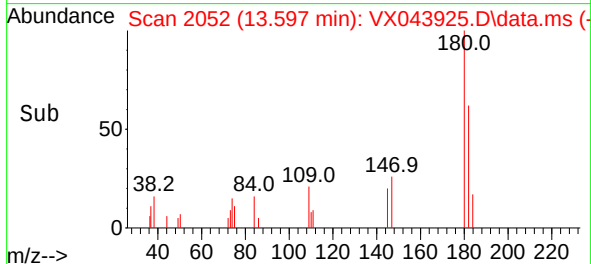
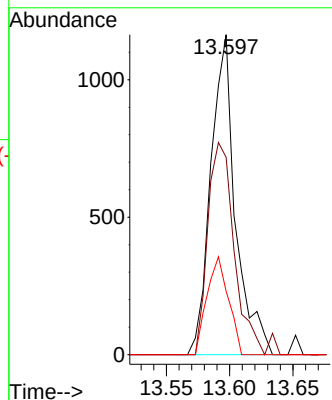
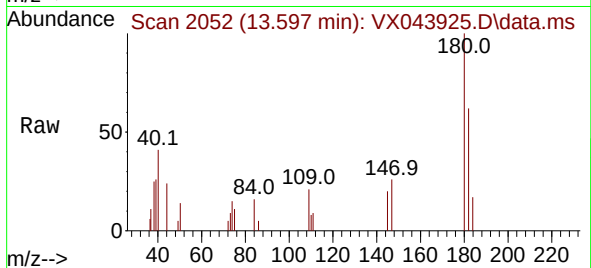
Tgt Ion:180 Resp: 1576

Ion Ratio Lower Upper

180 100

182 70.6 48.0 144.2

145 26.6 16.8 50.4



#94

Hexachlorobutadiene

Concen: 0.972 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

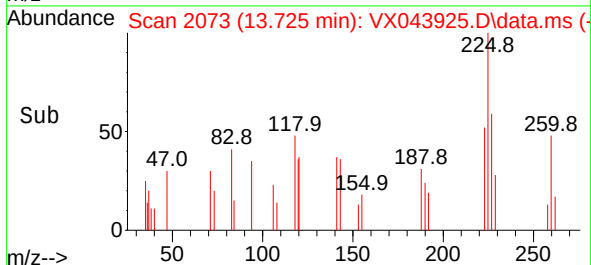
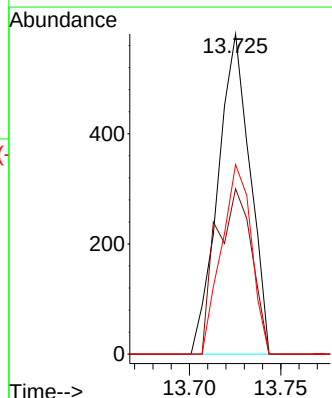
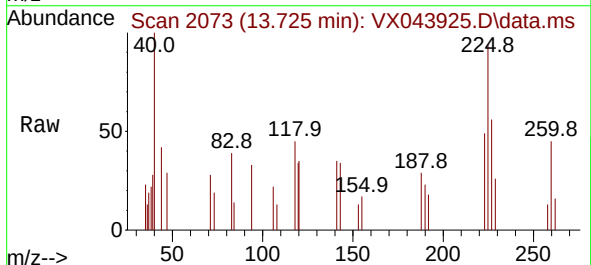
Tgt Ion:225 Resp: 709

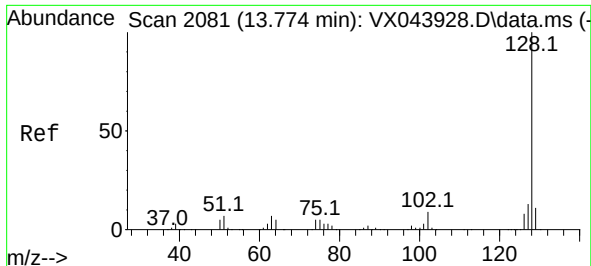
Ion Ratio Lower Upper

225 100

223 57.1 32.9 98.6

227 55.3 31.6 94.8





#95

Naphthalene

Concen: 0.728 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

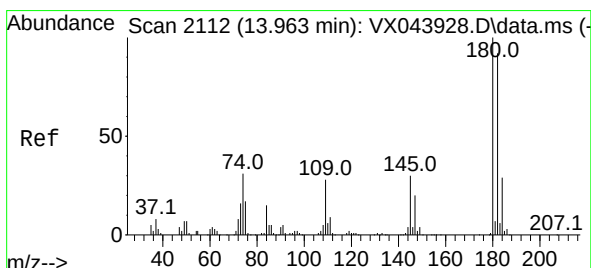
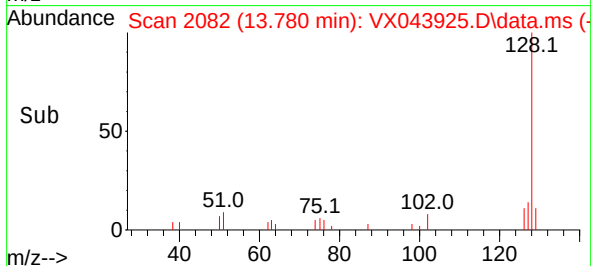
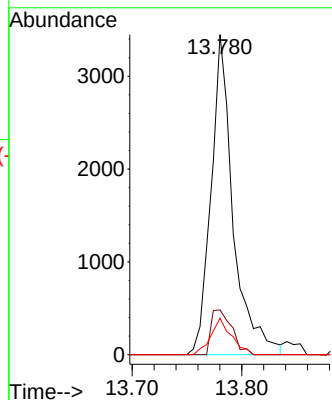
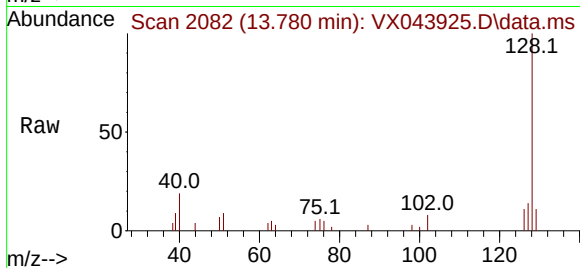
Tgt Ion:128 Resp: 4837

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 10.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 0.749 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

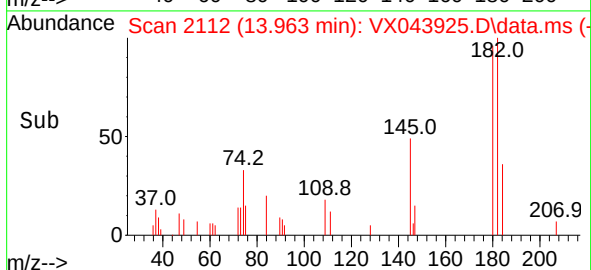
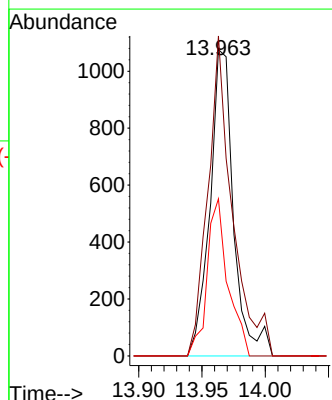
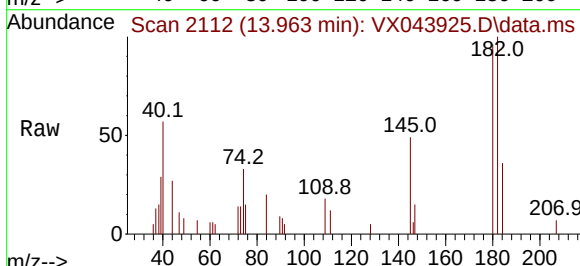
Tgt Ion:180 Resp: 1398

Ion Ratio Lower Upper

180 100

182 107.8 45.6 136.8

145 45.3 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 22 03:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	150793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96662	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	13961	5.398	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.800%#
35) Dibromofluoromethane	5.379	113	9842	5.198	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.400%#
50) Toluene-d8	8.646	98	35173	5.389	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.780%#
62) 4-Bromofluorobenzene	11.079	95	10618	4.780	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	9.560%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	9545	4.997	ug/l	87
3) Chloromethane	1.294	50	9980	4.965	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.996	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	90
6) Chloroethane	1.666	64	6474	4.969	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.996	ug/l	91
8) Diethyl Ether	2.129	74	6480	4.651	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.839	ug/l	98
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	98
11) Tert butyl alcohol	2.995	59	8556	20.610	ug/l	98
12) 1,1-Dichloroethene	2.306	96	7987	4.597	ug/l	87
13) Acrolein	2.239	56	11940	27.287	ug/l	97
14) Allyl chloride	2.654	41	12874	4.534	ug/l	96
15) Acrylonitrile	3.062	53	24290	24.010	ug/l	99
16) Acetone	2.385	43	29886	25.159	ug/l	95
17) Carbon Disulfide	2.495	76	14415	4.022	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.745	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	30022	4.759	ug/l #	88
20) Methylene Chloride	2.782	84	9895	4.909	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.730	ug/l #	80
22) Diisopropyl ether	3.757	45	29102	4.794	ug/l #	65
23) Vinyl Acetate	3.721	43	116242	22.382	ug/l	100
24) 1,1-Dichloroethane	3.599	63	16857	4.813	ug/l	98
25) 2-Butanone	4.568	43	36680	23.931	ug/l	96
26) 2,2-Dichloropropane	4.458	77	15040	4.755	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	10153	4.579	ug/l	96
28) Bromochloromethane	4.891	49	9210	5.974	ug/l	100
29) Tetrahydrofuran	5.007	42	23518	25.028	ug/l	96
30) Chloroform	5.086	83	18661	4.954	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l #	85
32) 1,1,1-Trichloroethane	5.379	97	15162	4.667	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11406	4.834	ug/l	97
37) Ethyl Acetate	4.720	43	12177	4.158	ug/l #	94
38) Carbon Tetrachloride	5.665	117	12348	4.658	ug/l	97
39) Methylcyclohexane	7.372	83	14721	4.803	ug/l	95
40) Benzene	6.031	78	36283	4.937	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 22 03:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.907	ug/l #	95
42) 1,2-Dichloroethane	6.080	62	14467	4.901	ug/l	99
43) Isopropyl Acetate	6.348	43	22267	4.777	ug/l	99
44) Trichloroethene	7.128	130	9852	4.736	ug/l	92
45) 1,2-Dichloropropane	7.427	63	8525	4.736	ug/l	91
46) Dibromomethane	7.586	93	6372	4.475	ug/l	93
47) Bromodichloromethane	7.823	83	11249	4.405	ug/l	96
48) Methyl methacrylate	7.695	41	10190	4.556	ug/l	95
49) 1,4-Dioxane	7.677	88	3056	79.255	ug/l #	70
51) 4-Methyl-2-Pentanone	8.573	43	69843	24.556	ug/l	97
52) Toluene	8.714	92	22218	5.051	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	10937	4.200	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	12253	4.292	ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	9000	4.957	ug/l	94
56) Ethyl methacrylate	9.116	69	12381	4.378	ug/l	96
57) 1,3-Dichloropropane	9.311	76	15211	4.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	27.673	ug/l	100
59) 2-Hexanone	9.433	43	52072	24.357	ug/l	100
60) Dibromochloromethane	9.518	129	7738	4.247	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8985	4.894	ug/l	98
64) Tetrachloroethene	9.274	164	7642	5.185	ug/l	93
65) Chlorobenzene	10.079	112	24792	5.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.661	ug/l	96
67) Ethyl Benzene	10.195	91	40927	4.920	ug/l	95
68) m/p-Xylenes	10.305	106	29635	9.553	ug/l	99
69) o-Xylene	10.640	106	14856	4.905	ug/l	98
70) Styrene	10.658	104	22907	4.573	ug/l	97
71) Bromoform	10.799	173	4476	5.004	ug/l #	99
73) Isopropylbenzene	10.957	105	37958	5.109	ug/l	99
74) N-amyl acetate	10.841	43	15928	4.627	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	5.152	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	14721	7.062	ug/l	80
77) Bromobenzene	11.195	156	9259	5.224	ug/l	97
78) n-propylbenzene	11.305	91	39774	4.793	ug/l	98
79) 2-Chlorotoluene	11.366	91	26740	5.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.926	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707	ug/l #	77
82) 4-Chlorotoluene	11.451	91	29049	4.903	ug/l	96
83) tert-Butylbenzene	11.713	119	29934	4.940	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	30674	5.040	ug/l	97
85) sec-Butylbenzene	11.890	105	37899	5.105	ug/l	96
86) p-Isopropyltoluene	12.006	119	29412	4.878	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	16008	4.959	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.831	ug/l	89
89) n-Butylbenzene	12.335	91	24938	4.691	ug/l	99
90) Hexachloroethane	12.536	117	4279	4.173	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	16747	5.140	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.814	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.553	ug/l	98
94) Hexachlorobutadiene	13.725	225	3713	4.891	ug/l	97
95) Naphthalene	13.774	128	32485	4.698	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.773	ug/l	96

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Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

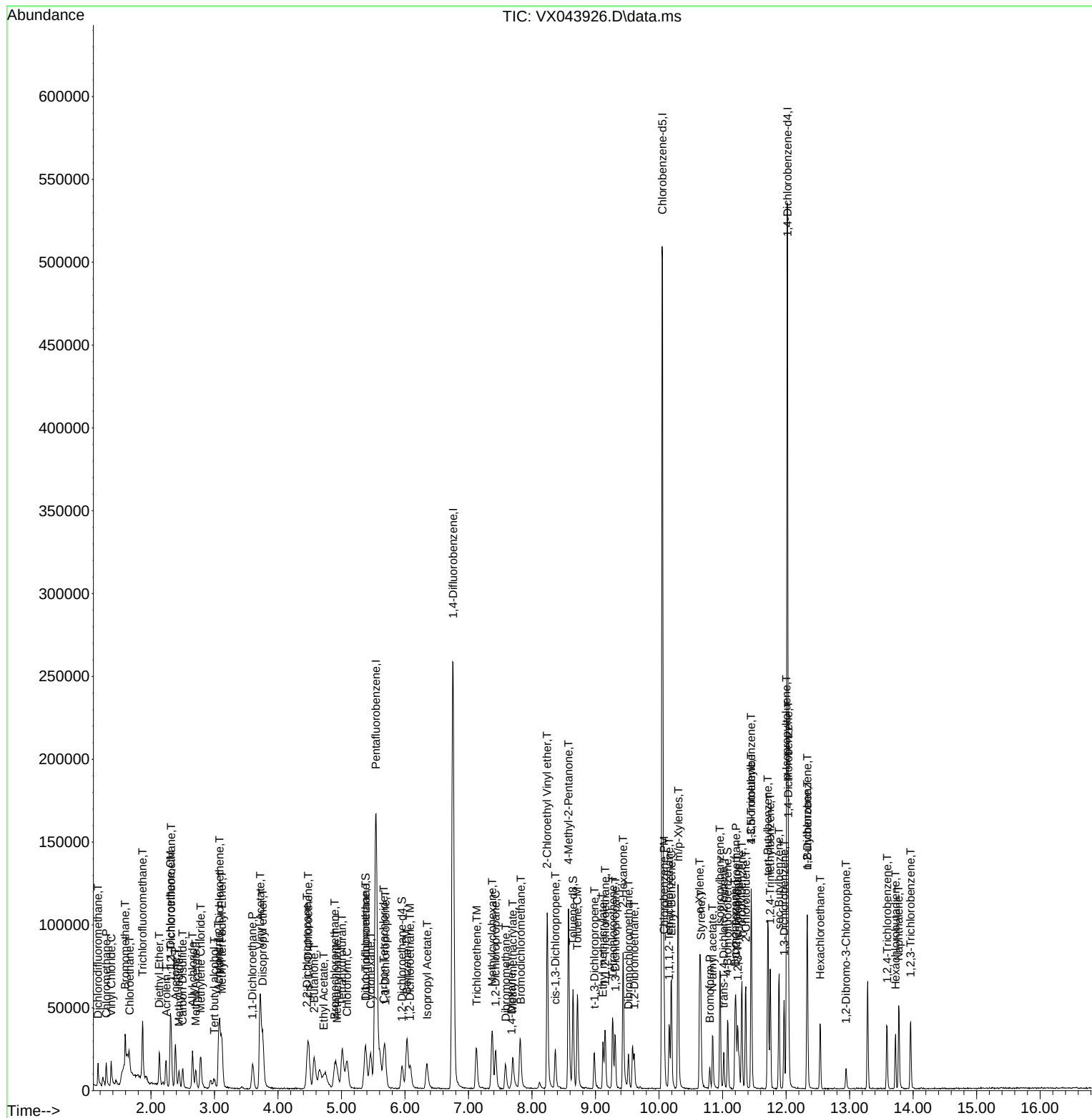
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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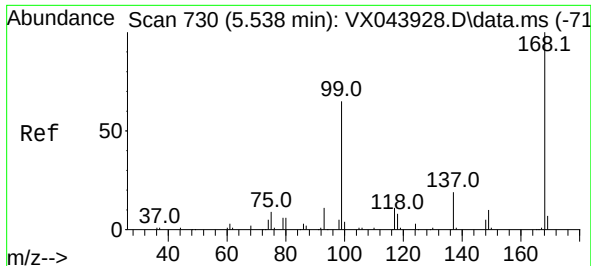
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
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Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Quant Time: Nov 22 03:28:43 2024
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Quant Title : SW846 8260
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Response via : Initial Calibration

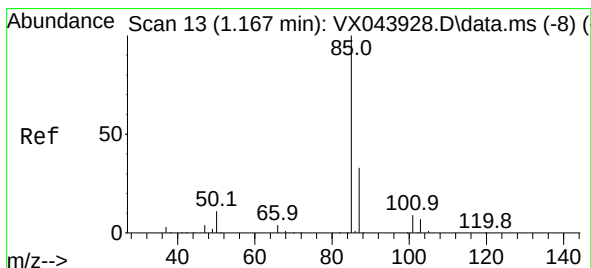
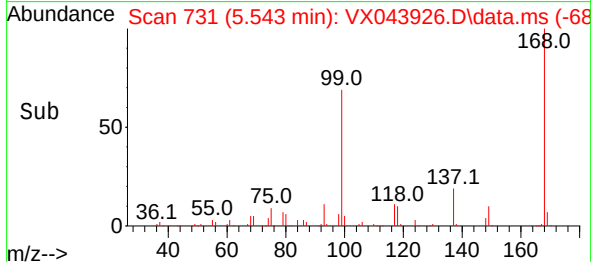
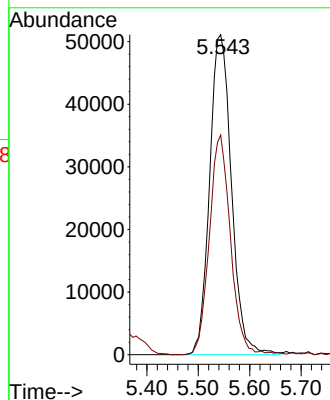
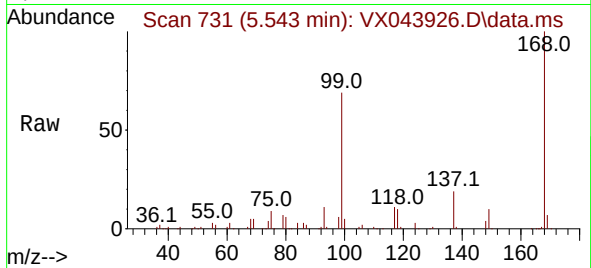




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

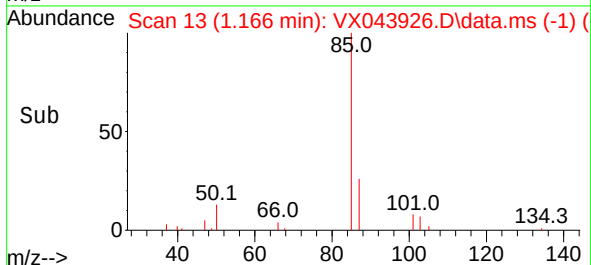
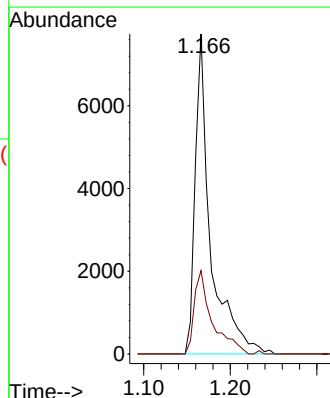
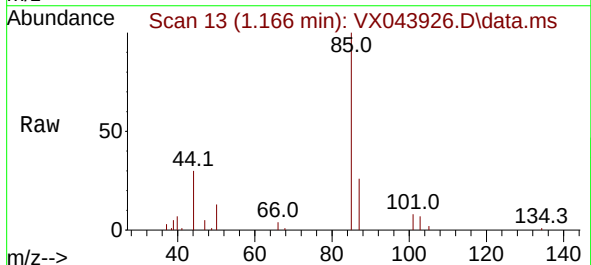
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

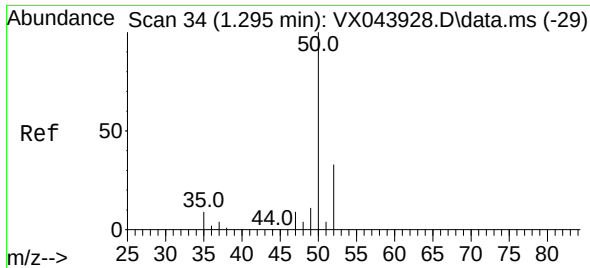
Tgt Ion:168 Resp: 150793
Ion Ratio Lower Upper
168 100
99 68.6 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545
Ion Ratio Lower Upper
85 100
87 26.0 16.6 49.8

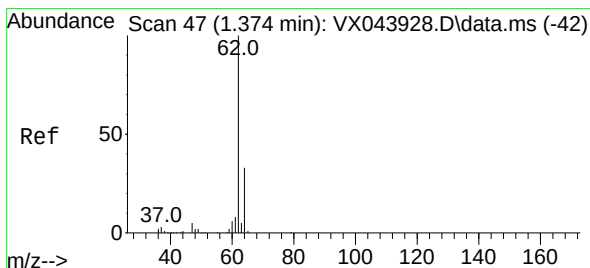
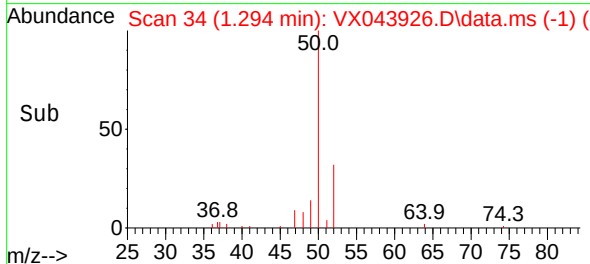
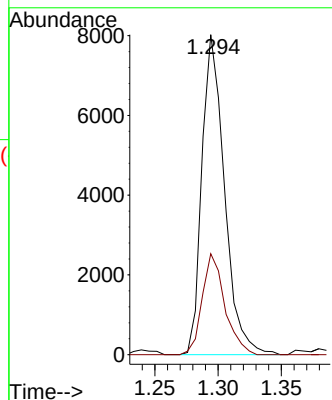
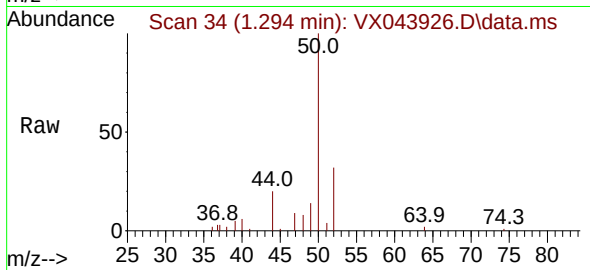




#3
Chloromethane
Concen: 4.965 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

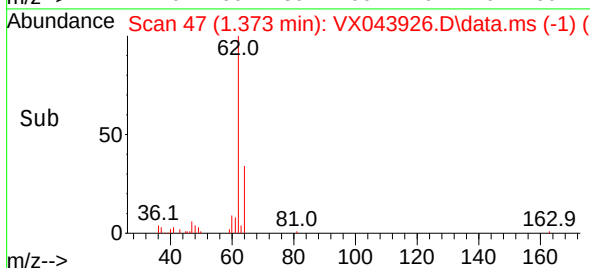
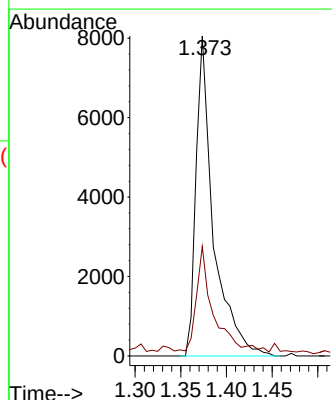
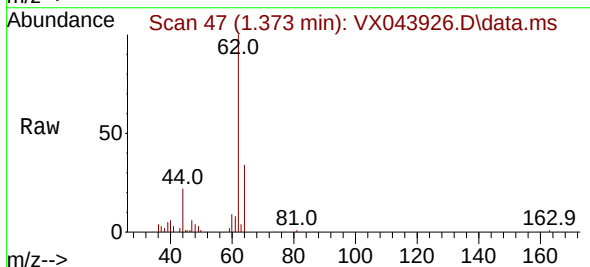
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

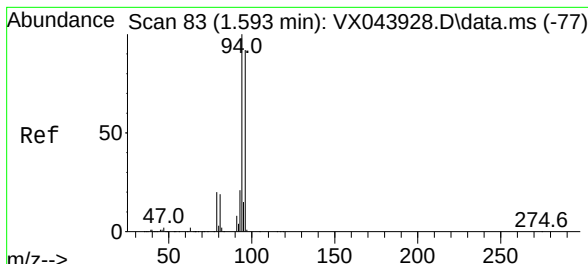
Tgt Ion: 50 Resp: 9980
Ion Ratio Lower Upper
50 100
52 31.5 26.1 39.1



#4
Vinyl Chloride
Concen: 4.996 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682
Ion Ratio Lower Upper
62 100
64 32.8 26.2 39.4

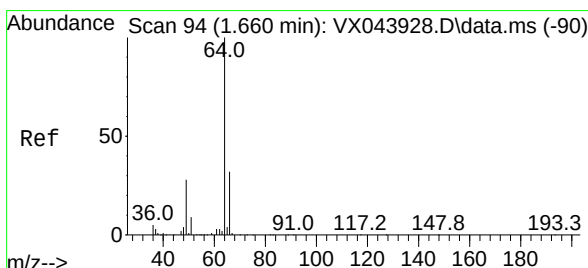
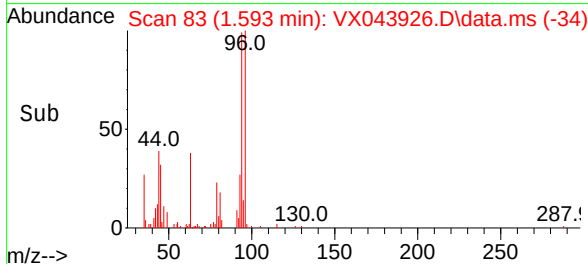
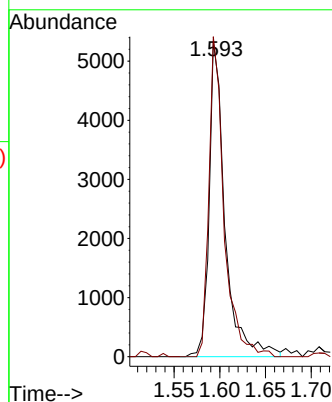
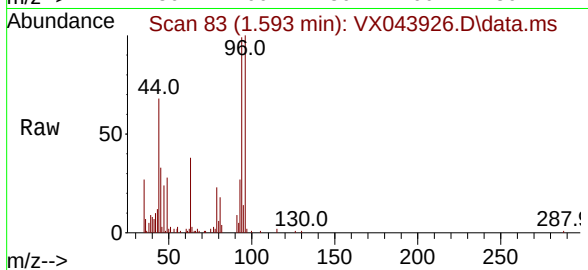




#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

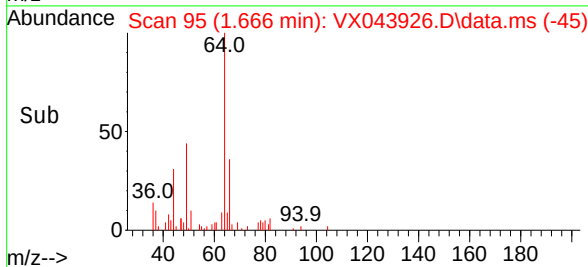
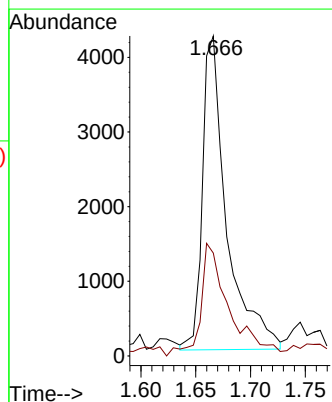
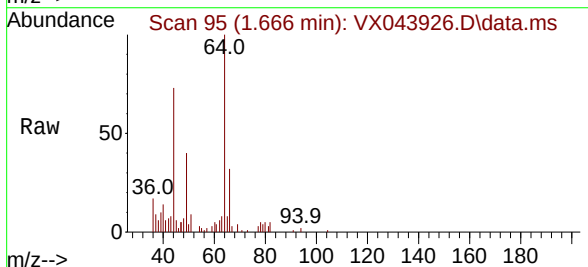
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

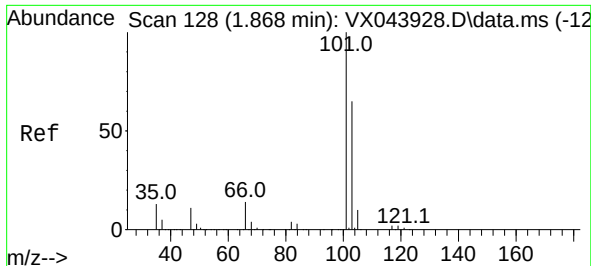
Tgt Ion: 94 Resp: 6415
Ion Ratio Lower Upper
94 100
96 101.5 73.9 110.9



#6
Chloroethane
Concen: 4.969 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474
Ion Ratio Lower Upper
64 100
66 31.8 25.9 38.9

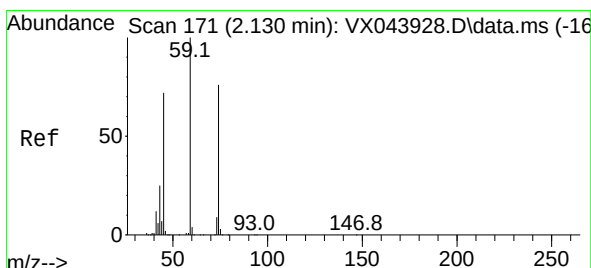
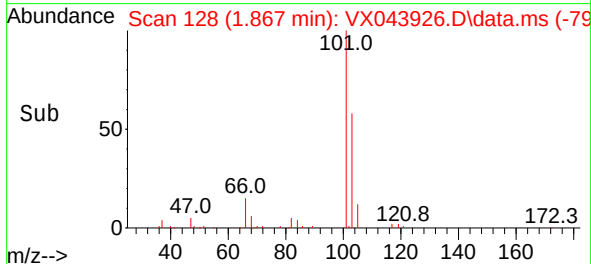
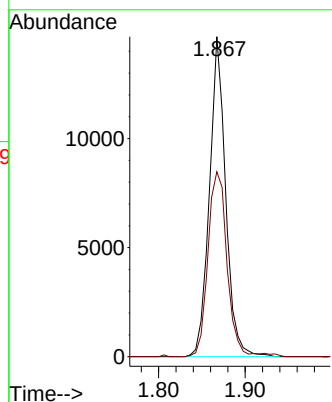
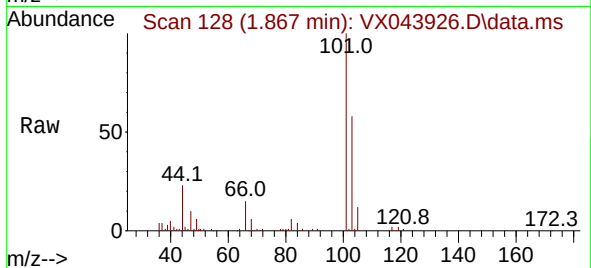




#7
 Trichlorofluoromethane
 Concen: 4.996 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043926.D
 Acq: 21 Nov 2024 10:14

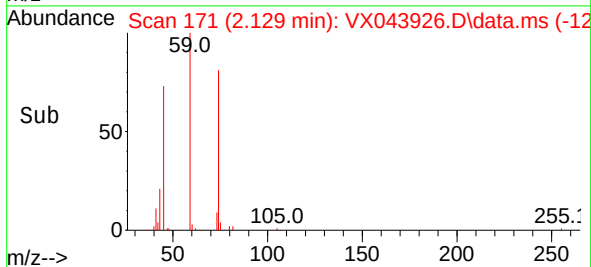
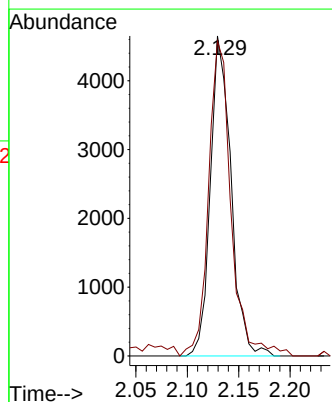
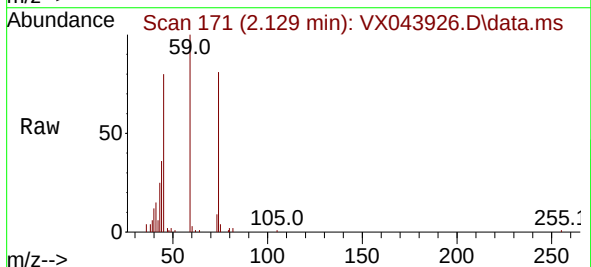
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

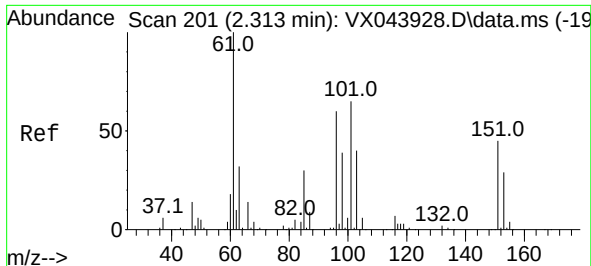
Tgt Ion:101 Resp: 19099
 Ion Ratio Lower Upper
 101 100
 103 57.8 52.2 78.2



#8
 Diethyl Ether
 Concen: 4.651 ug/l
 RT: 2.129 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VX043926.D
 Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480
 Ion Ratio Lower Upper
 74 100
 45 106.9 47.9 143.6

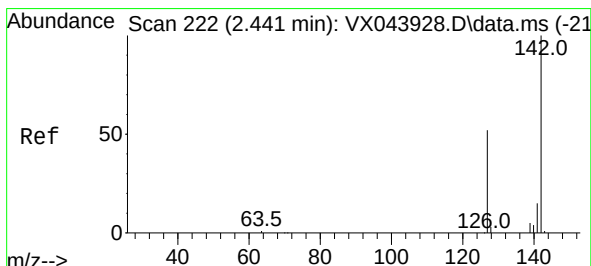
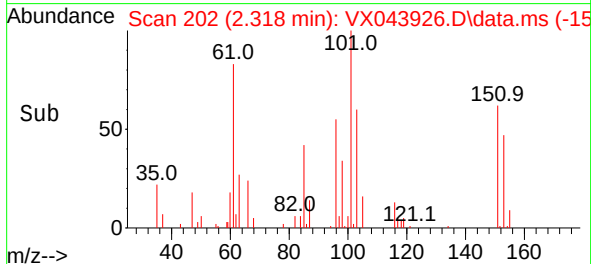
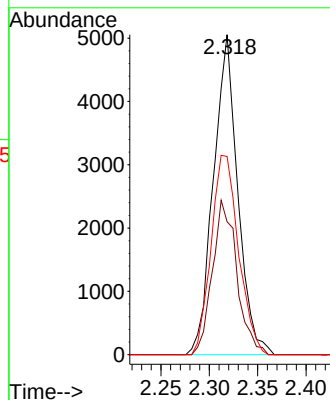
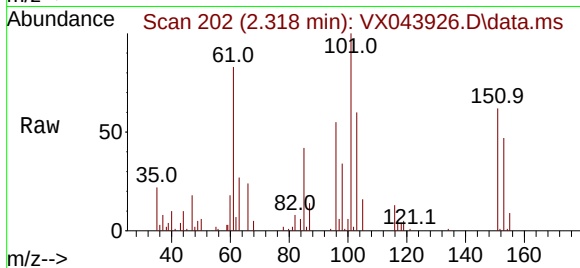




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

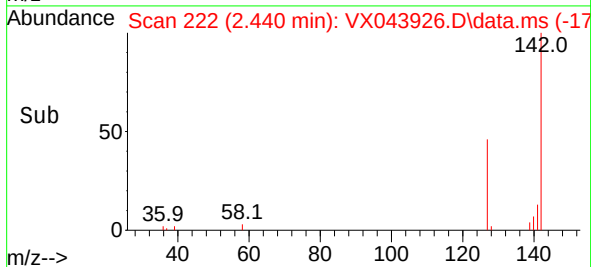
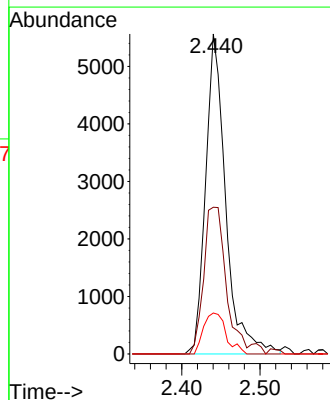
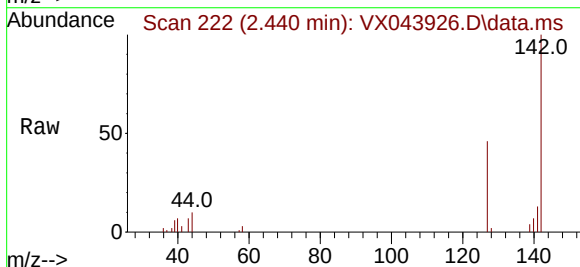
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

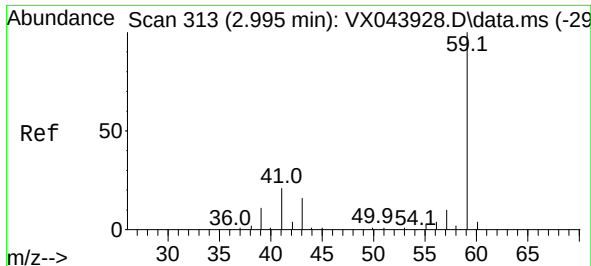
Tgt Ion:	101	Resp:	8824
Ion	Ratio	Lower	Upper
101	100		
85	48.4	37.9	56.9
151	70.3	57.5	86.3



#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:	142	Resp:	9897
Ion	Ratio	Lower	Upper
142	100		
127	52.4	40.7	61.1
141	14.4	12.0	18.0





#11

Tert butyl alcohol

Concen: 20.610 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

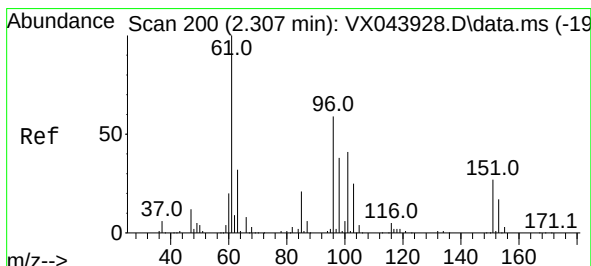
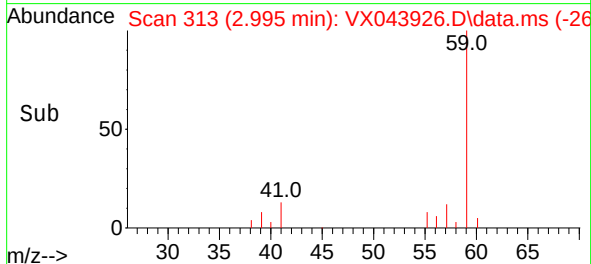
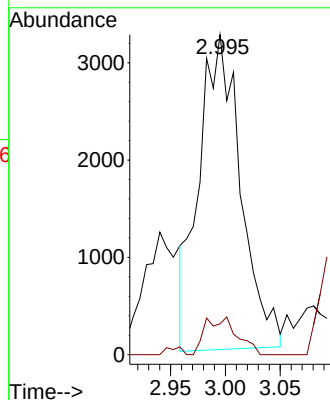
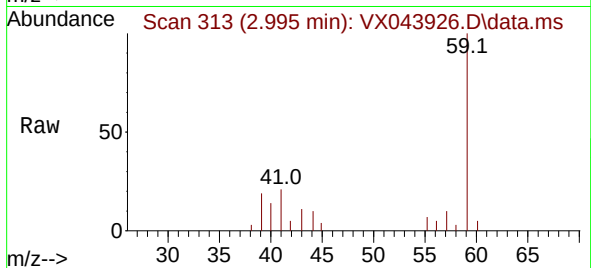
VSTDIC005

Tgt Ion: 59 Resp: 8556

Ion Ratio Lower Upper

59 100

57 9.1 7.9 11.9



#12

1,1-Dichloroethene

Concen: 4.597 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

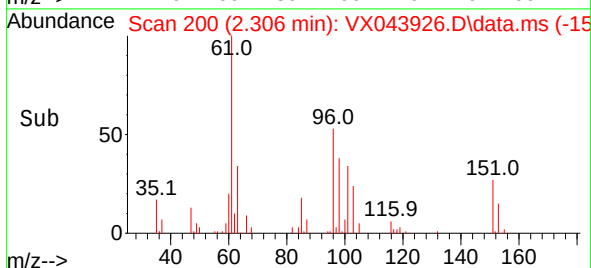
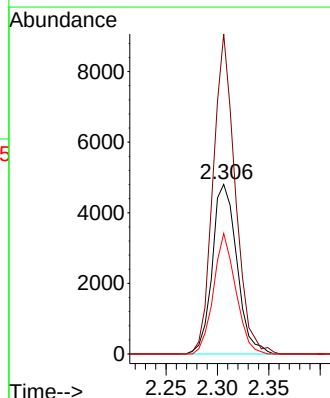
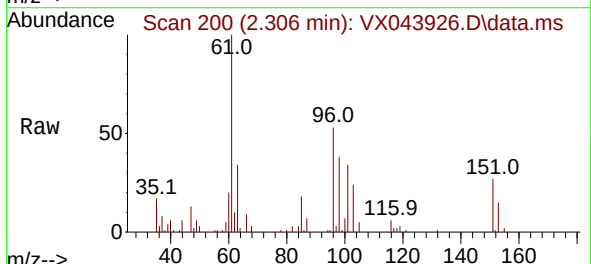
Tgt Ion: 96 Resp: 7987

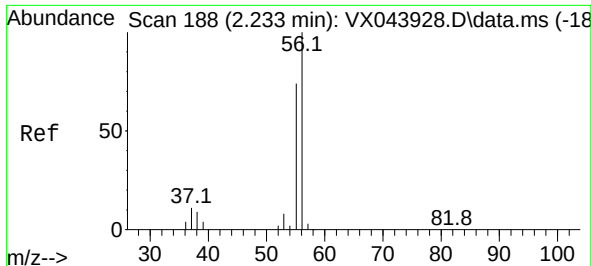
Ion Ratio Lower Upper

96 100

61 188.7 135.5 203.3

98 71.1 50.8 76.2

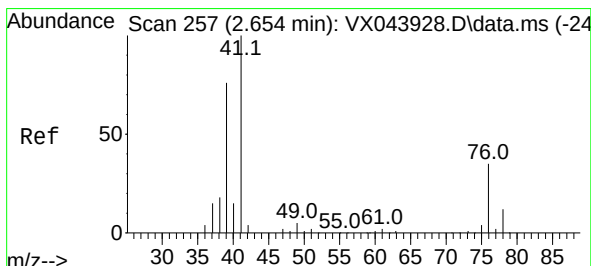
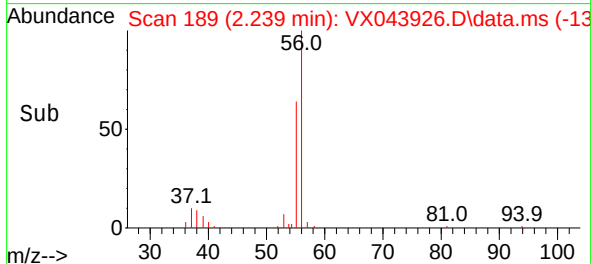
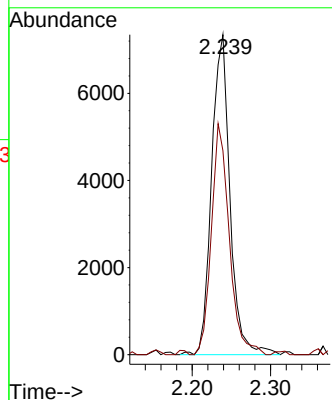
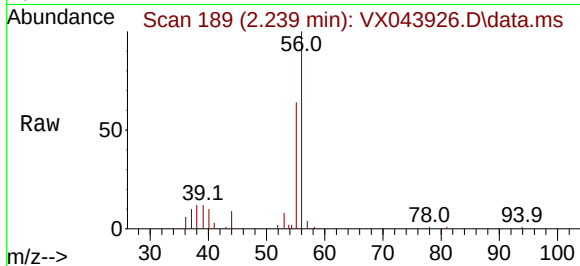




#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

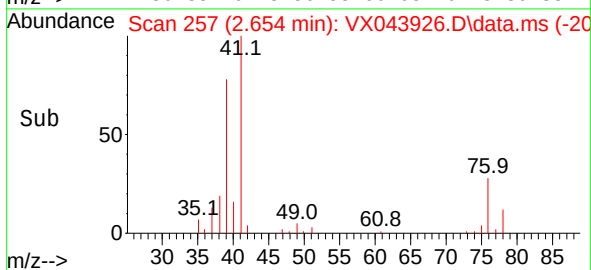
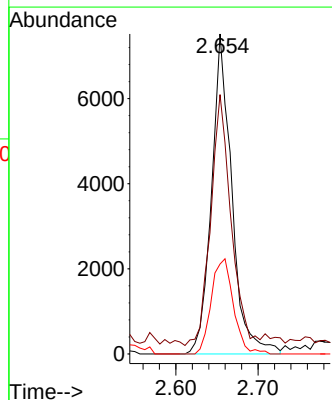
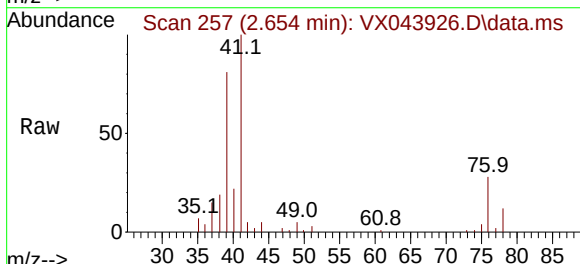
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

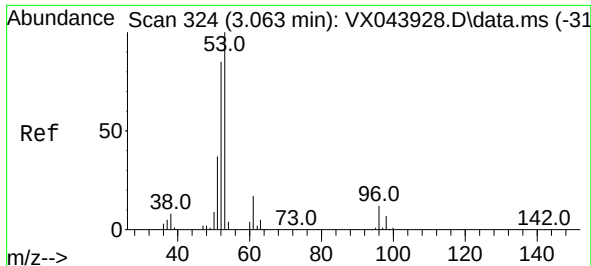
Tgt Ion: 56 Resp: 11940
Ion Ratio Lower Upper
56 100
55 70.5 58.2 87.2



#14
Allyl chloride
Concen: 4.534 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874
Ion Ratio Lower Upper
41 100
39 78.5 59.5 89.3
76 32.4 27.4 41.2

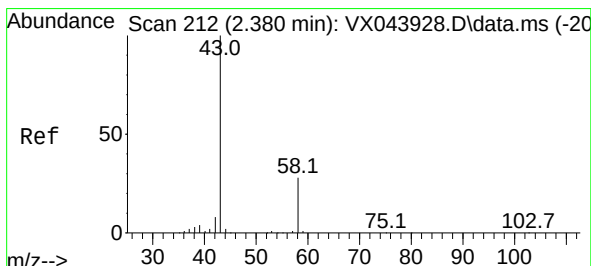
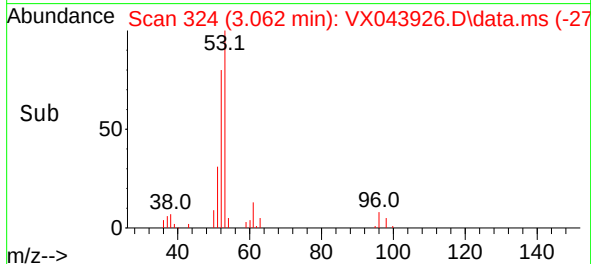
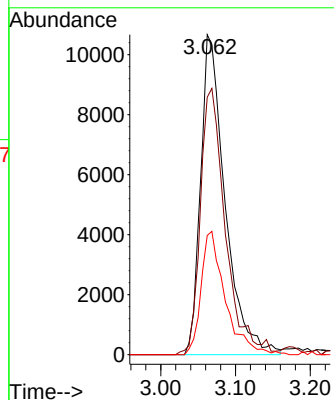
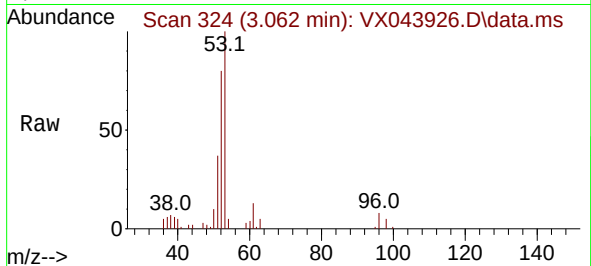




#15
Acrylonitrile
Concen: 24.010 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

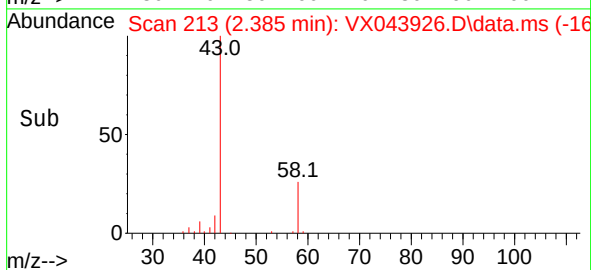
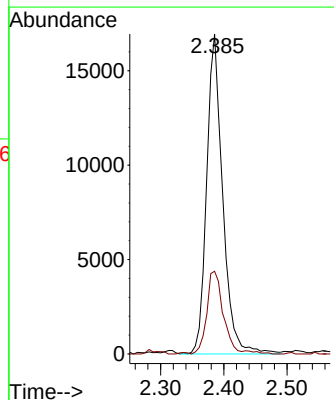
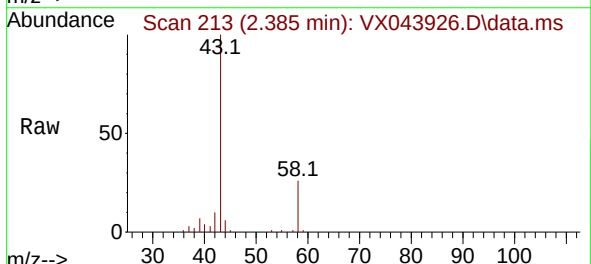
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

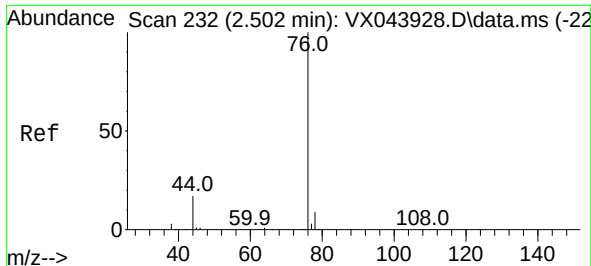
Tgt Ion: 53	Resp: 24290
Ion Ratio	Lower Upper
53 100	
52 84.7	66.5 99.7
51 38.0	30.2 45.4



#16
Acetone
Concen: 25.159 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43	Resp: 29886
Ion Ratio	Lower Upper
43 100	
58 25.9	22.7 34.1

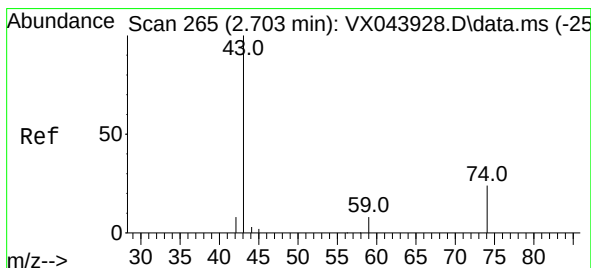
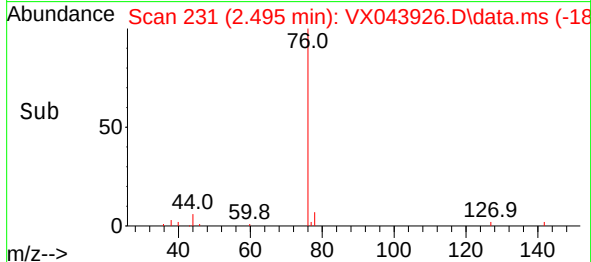
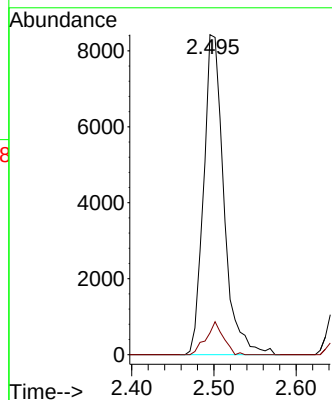
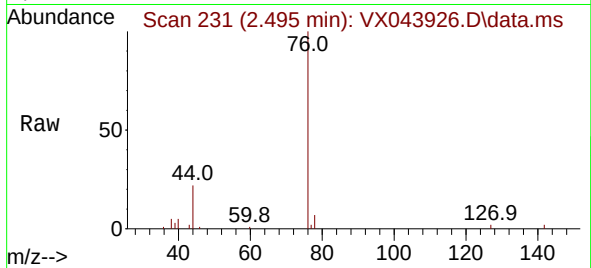




#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 2.495 min Scan# 231
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

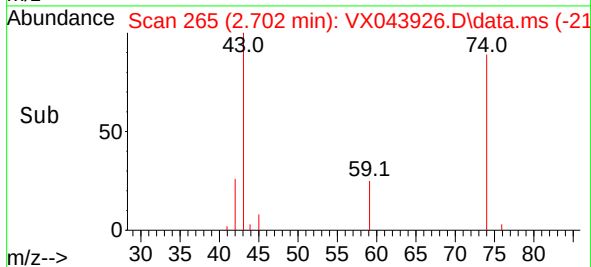
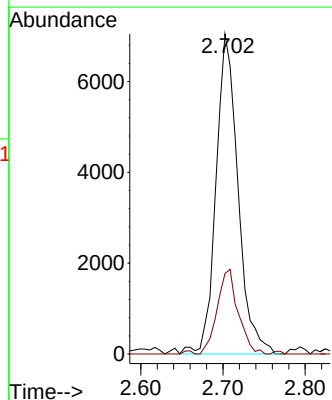
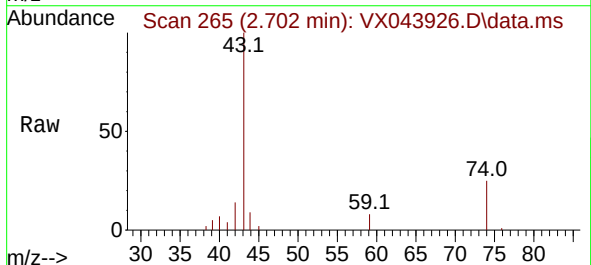
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

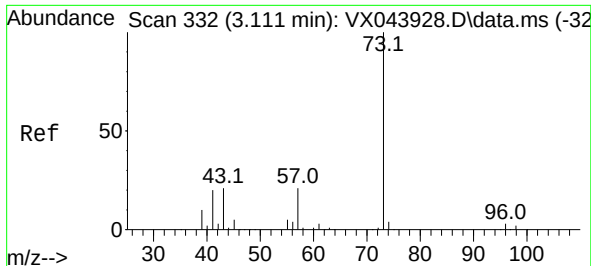
Tgt Ion: 76 Resp: 14415
Ion Ratio Lower Upper
76 100
78 6.8 7.0 10.6#



#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 4.759 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

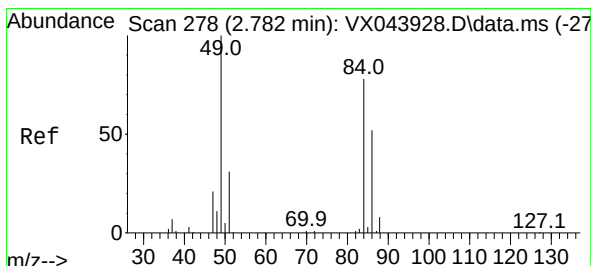
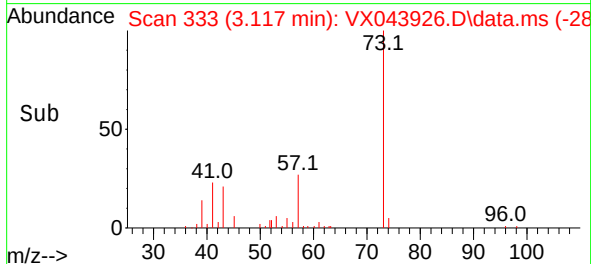
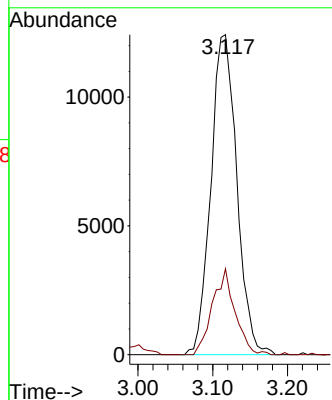
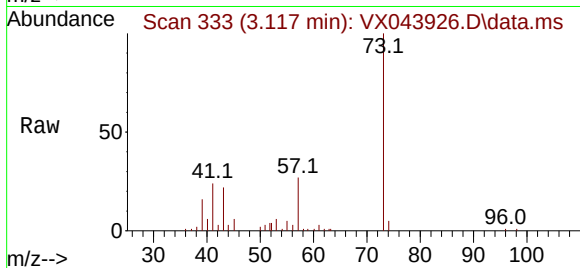
VSTDIC005

Tgt Ion: 73 Resp: 30022

Ion Ratio Lower Upper

73 100

57 26.8 17.0 25.6#



#20

Methylene Chloride

Concen: 4.909 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

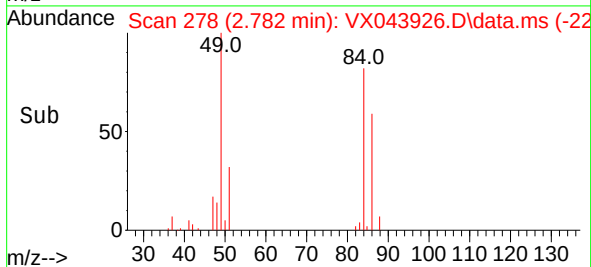
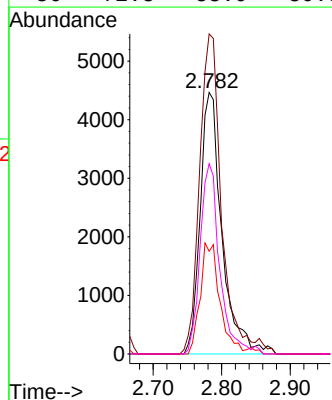
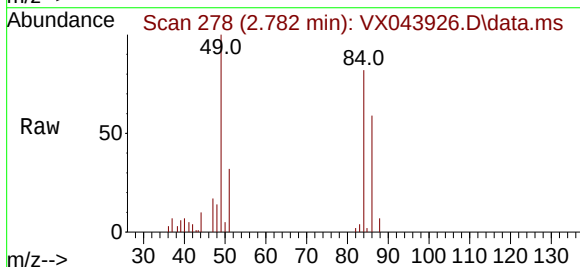
Ion Ratio Lower Upper

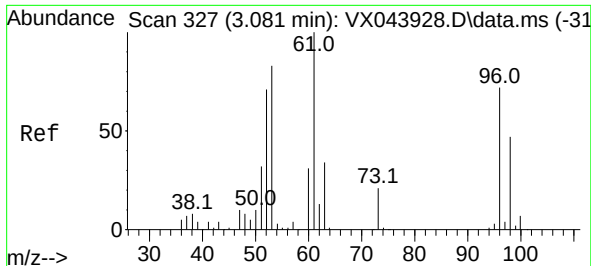
84 100

49 122.4 102.7 154.1

51 39.3 31.7 47.5

86 72.8 53.9 80.9

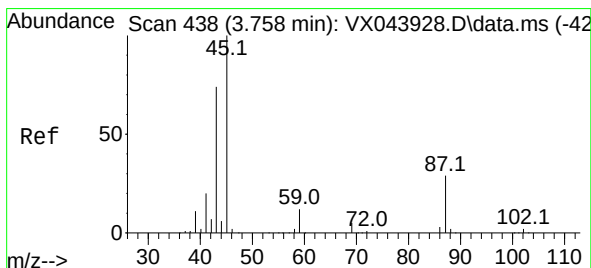
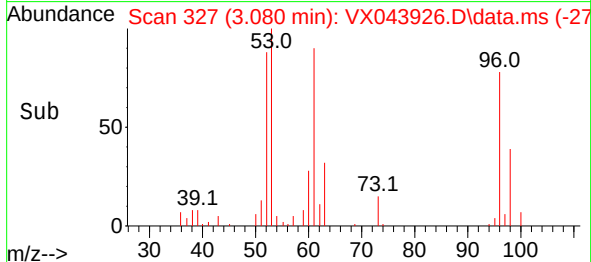
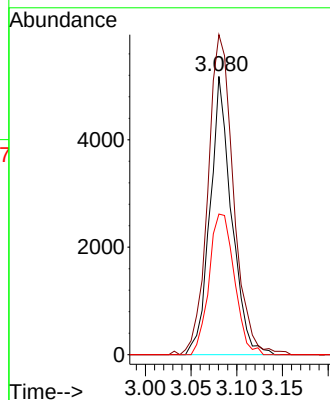
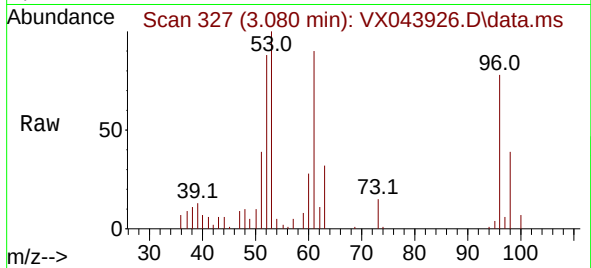




#21
trans-1,2-Dichloroethene
Concen: 4.730 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

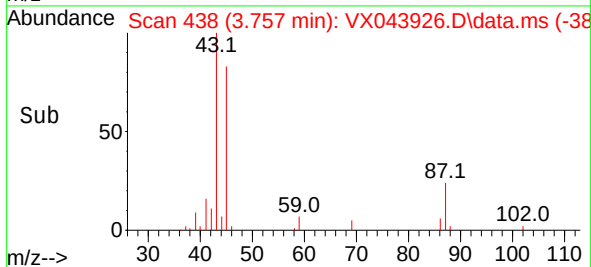
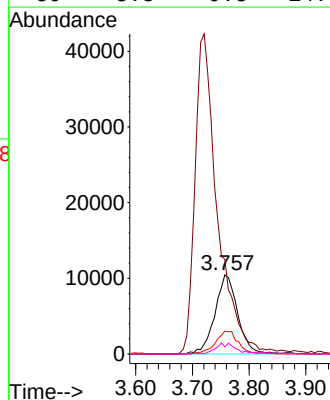
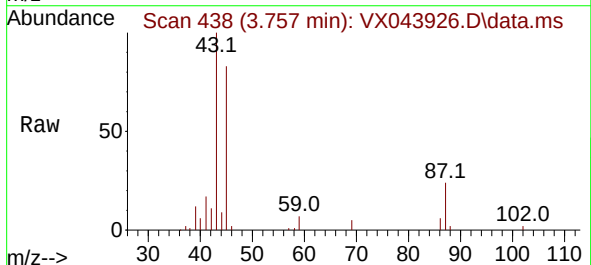
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

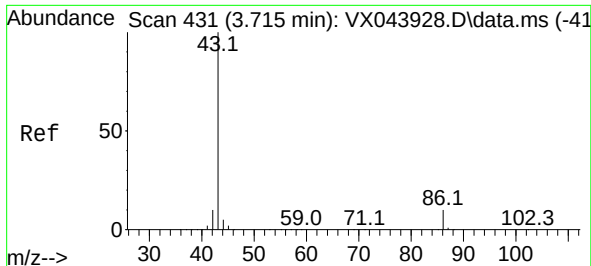
Tgt Ion: 96 Resp: 8486
Ion Ratio Lower Upper
96 100
61 115.0 111.8 167.6
98 50.6 52.7 79.1#



#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102
Ion Ratio Lower Upper
45 100
43 118.7 59.6 89.4#
87 29.0 22.9 34.3
59 8.8 9.8 14.6#

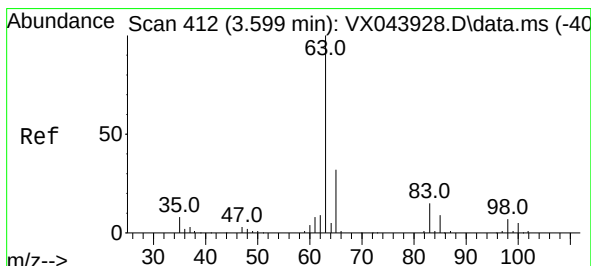
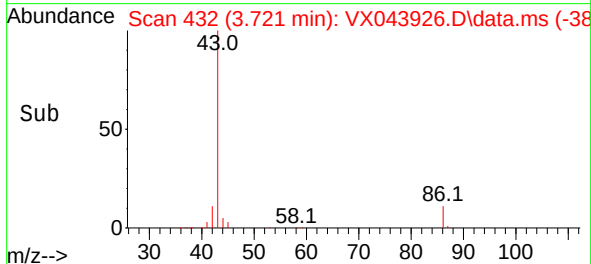
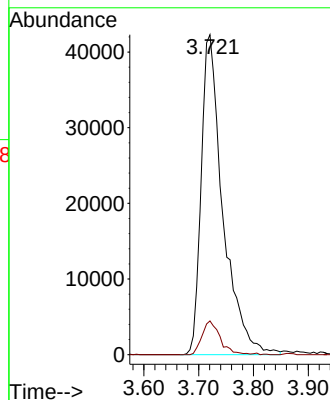
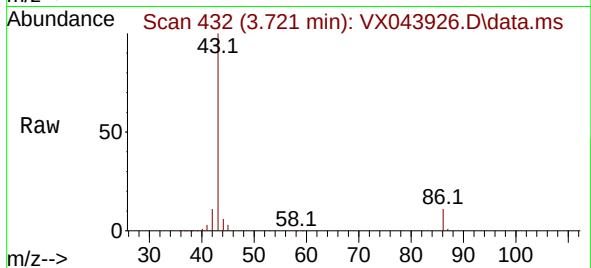




#23
Vinyl Acetate
Concen: 22.382 ug/l
RT: 3.721 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

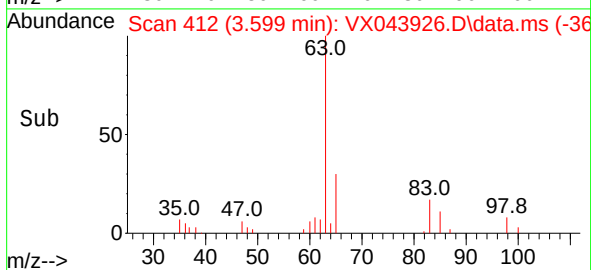
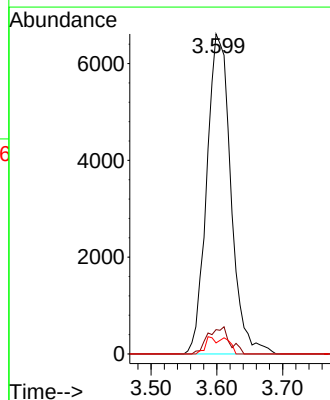
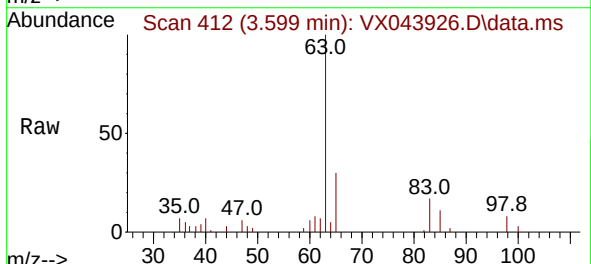
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

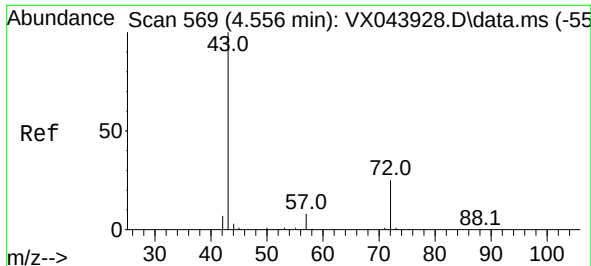
Tgt Ion: 43 Resp: 116242
Ion Ratio Lower Upper
43 100
86 10.5 8.3 12.5



#24
1,1-Dichloroethane
Concen: 4.813 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857
Ion Ratio Lower Upper
63 100
98 7.6 3.5 10.6
100 3.5 2.4 7.1





#25

2-Butanone

Concen: 23.931 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

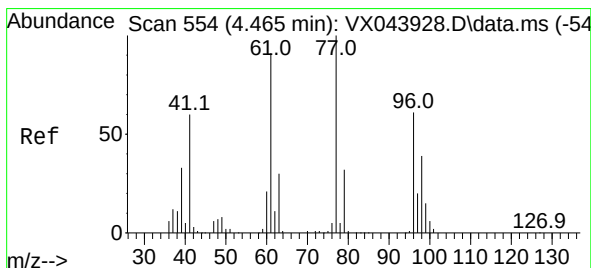
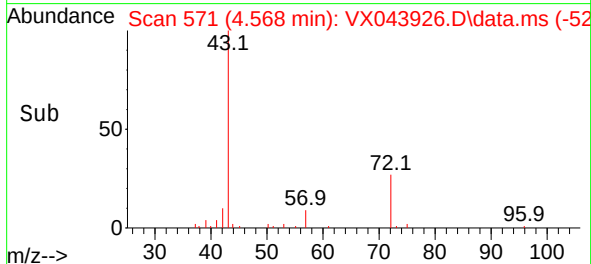
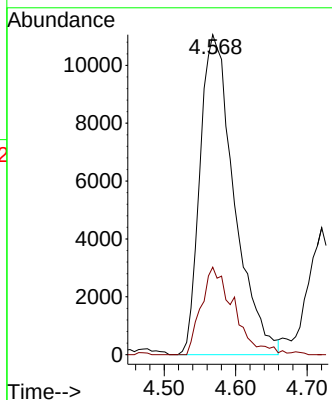
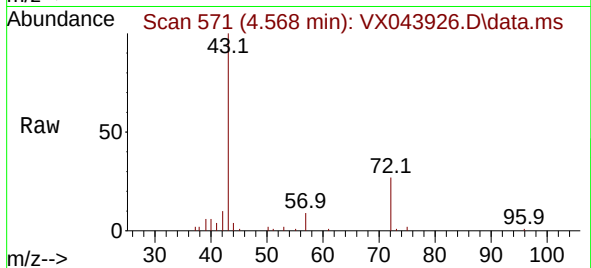
VSTDIC005

Tgt Ion: 43 Resp: 36680

Ion Ratio Lower Upper

43 100

72 27.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 4.755 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.007 min

Lab File: VX043926.D

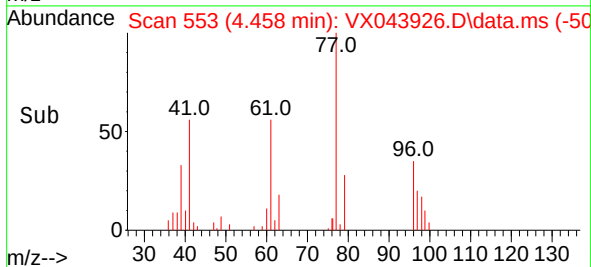
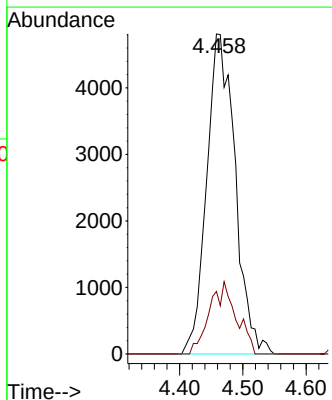
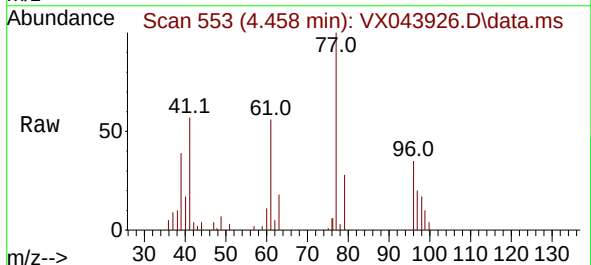
Acq: 21 Nov 2024 10:14

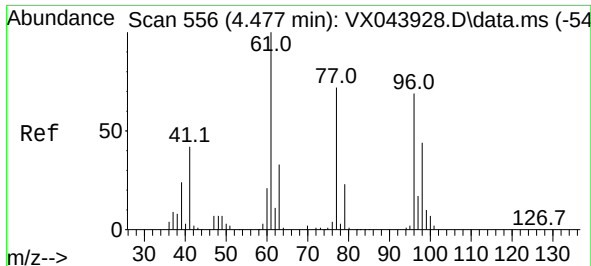
Tgt Ion: 77 Resp: 15040

Ion Ratio Lower Upper

77 100

97 10.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 4.579 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

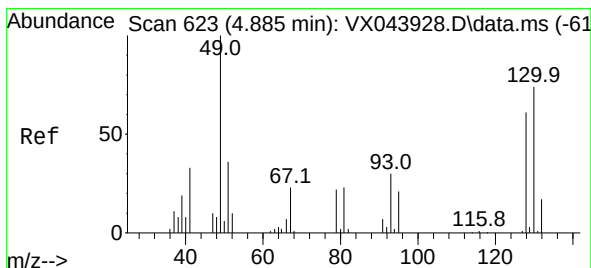
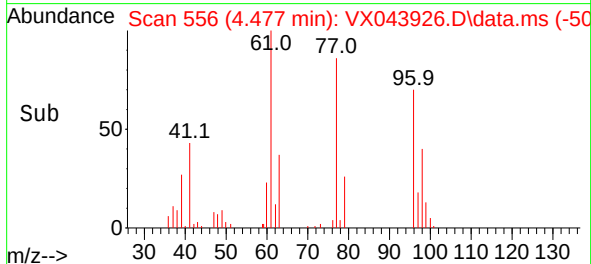
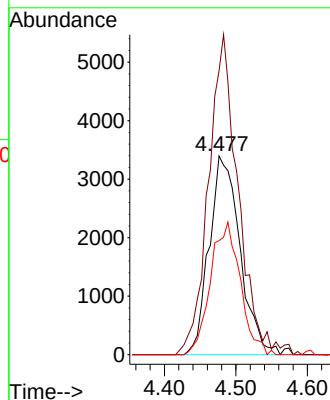
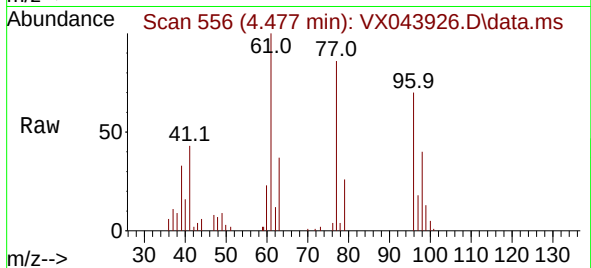
Tgt Ion: 96 Resp: 10153

Ion Ratio Lower Upper

96 100

61 155.7 0.0 297.4

98 64.3 0.0 127.8



#28

Bromochloromethane

Concen: 5.974 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

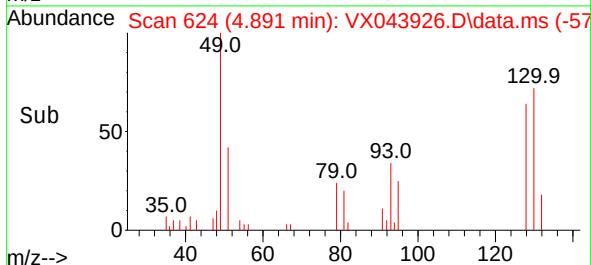
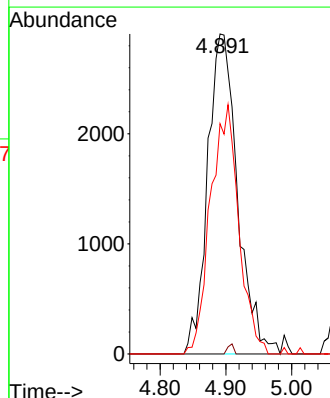
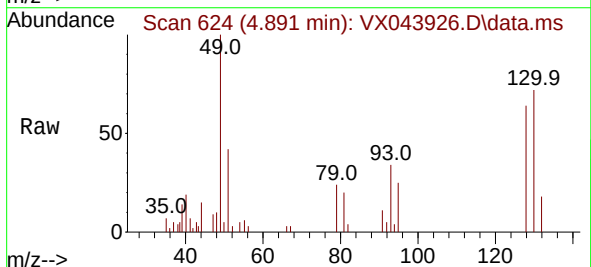
Tgt Ion: 49 Resp: 9210

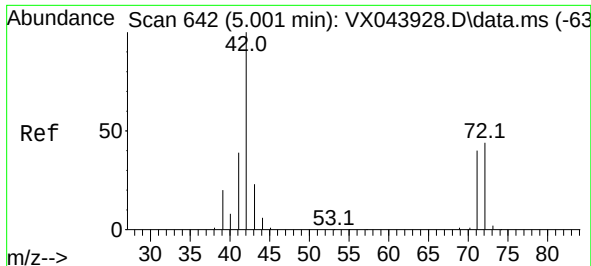
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.0

130 73.5 59.0 88.6





#29

Tetrahydrofuran

Concen: 25.028 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

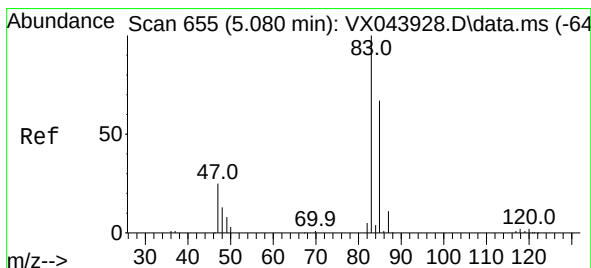
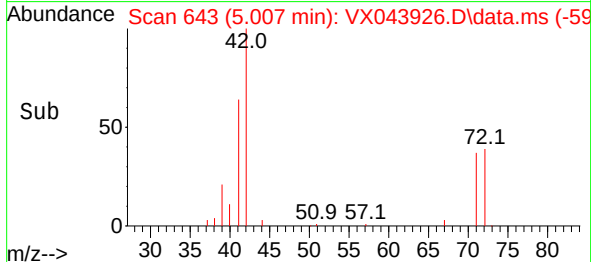
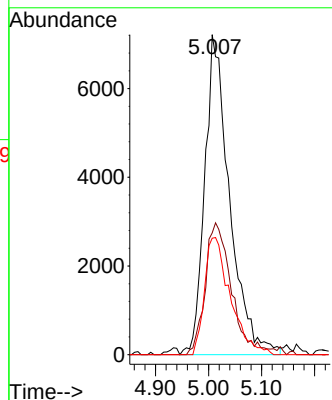
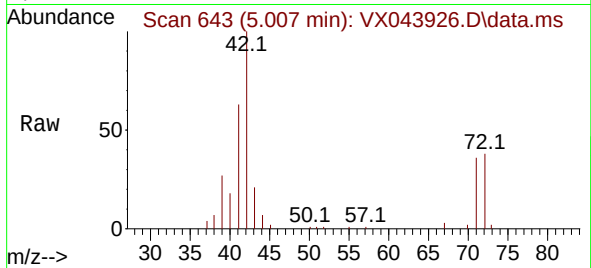
Tgt Ion: 42 Resp: 23518

Ion Ratio Lower Upper

42 100

72 43.4 36.4 54.6

71 38.1 33.4 50.0



#30

Chloroform

Concen: 4.954 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043926.D

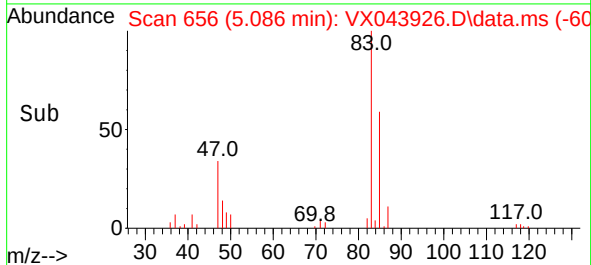
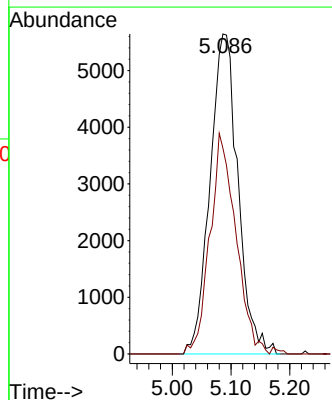
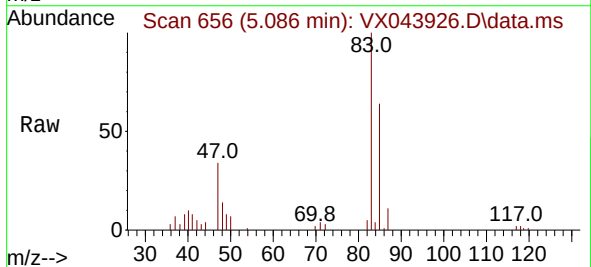
Acq: 21 Nov 2024 10:14

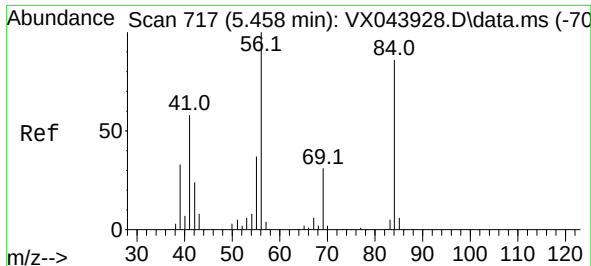
Tgt Ion: 83 Resp: 18661

Ion Ratio Lower Upper

83 100

85 64.3 53.5 80.3

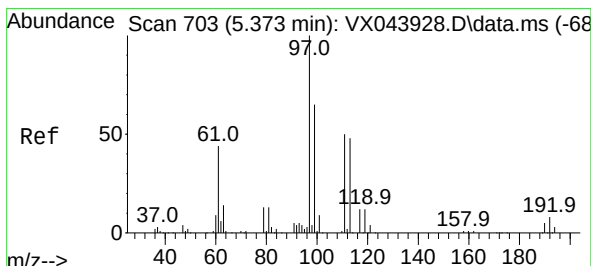
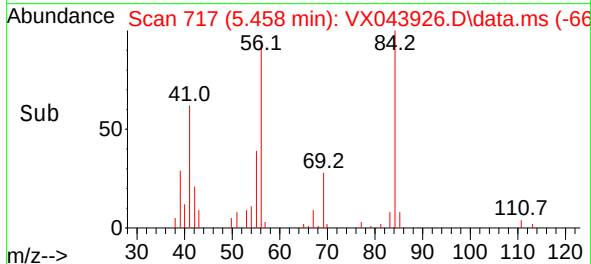
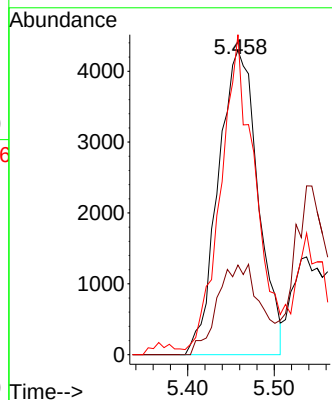
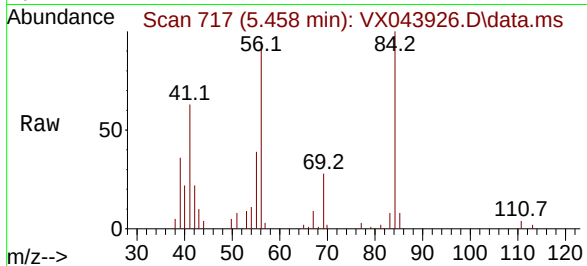




#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

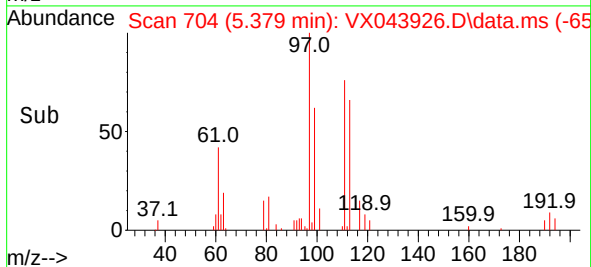
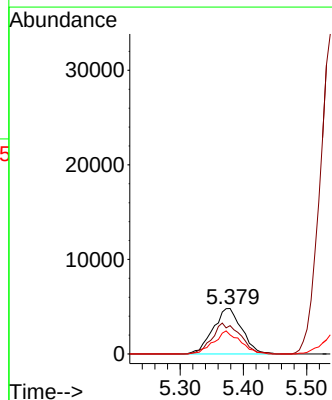
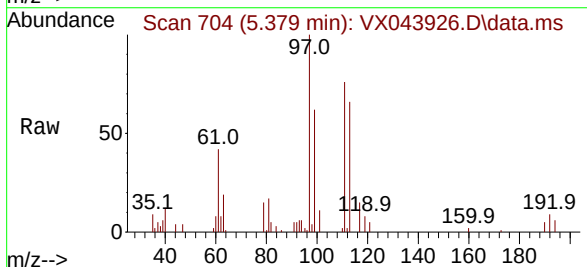
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

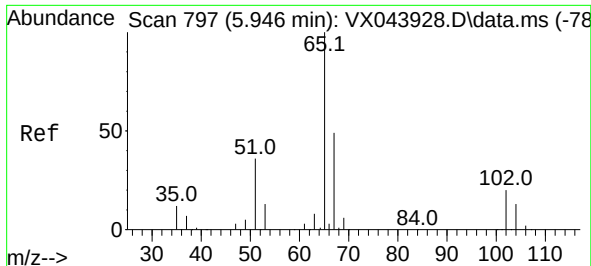
Tgt Ion: 56 Resp: 13740
Ion Ratio Lower Upper
56 100
69 29.5 24.7 37.1
84 103.2 68.7 103.1#



#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162
Ion Ratio Lower Upper
97 100
99 66.9 50.8 76.2
61 46.2 35.4 53.2

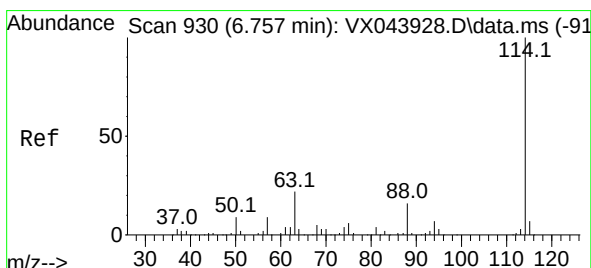
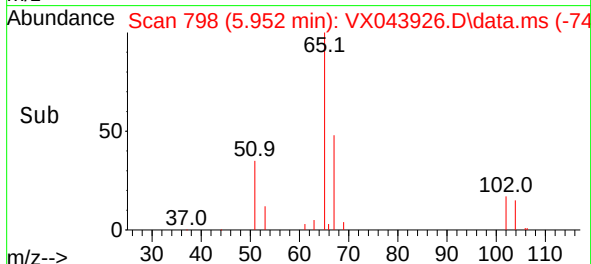
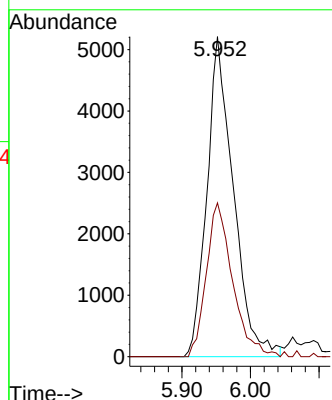
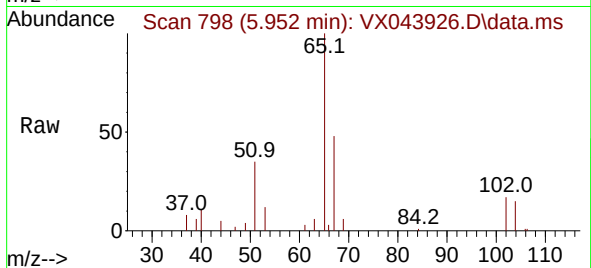




#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

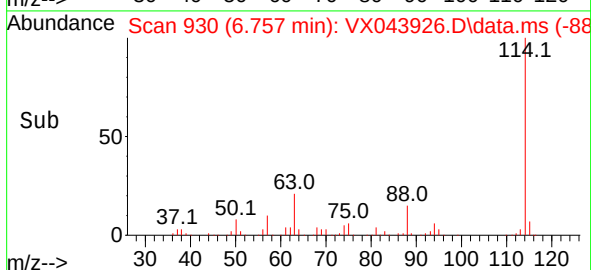
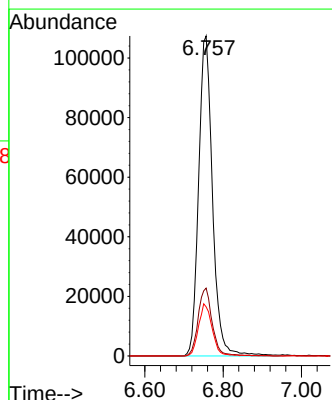
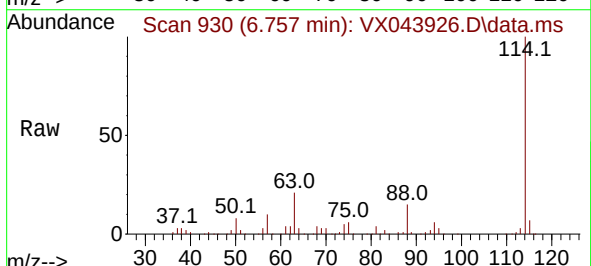
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

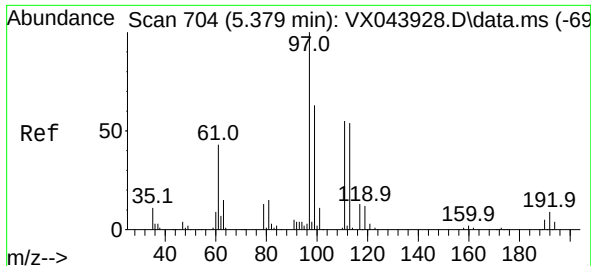
Tgt Ion: 65 Resp: 13961
Ion Ratio Lower Upper
65 100
67 47.8 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 114 Resp: 264969
Ion Ratio Lower Upper
114 100
63 21.2 0.0 44.0
88 15.4 0.0 32.4

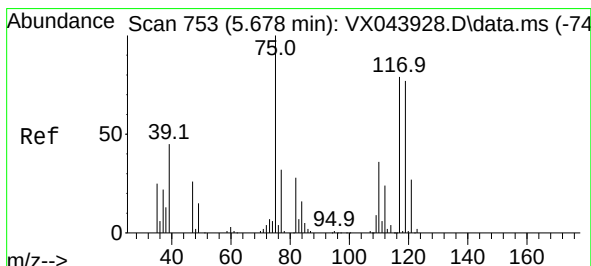
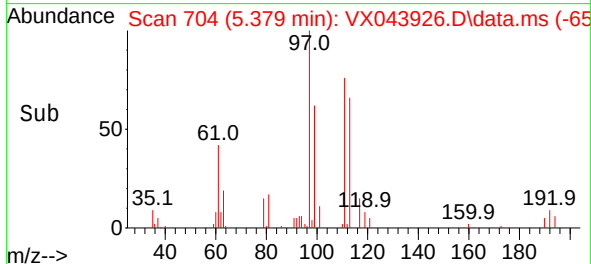
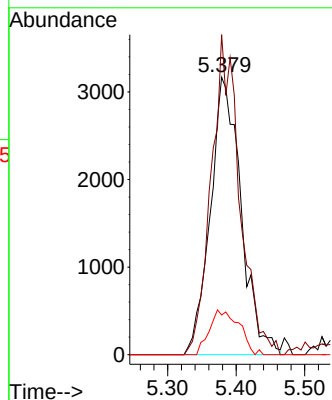
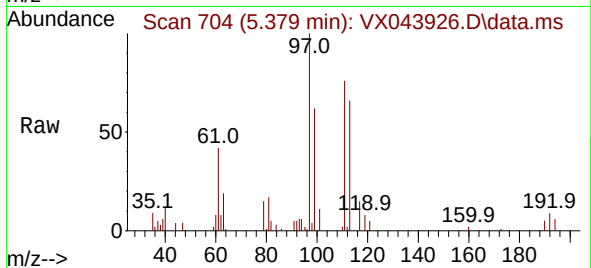




#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

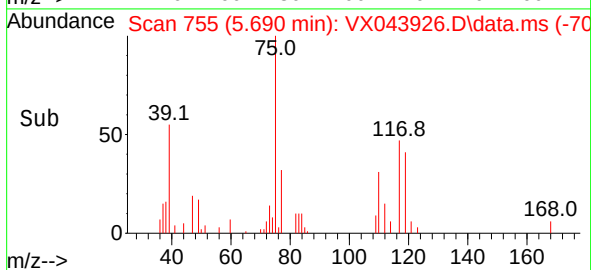
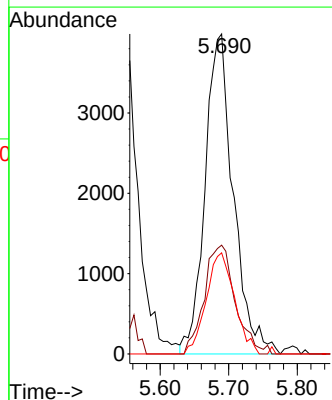
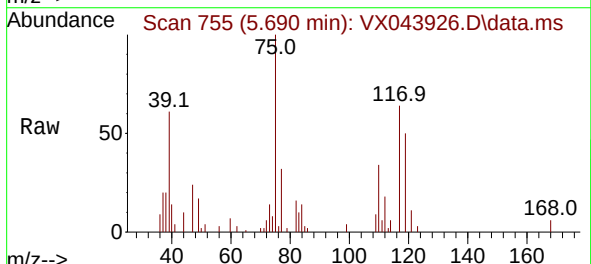
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

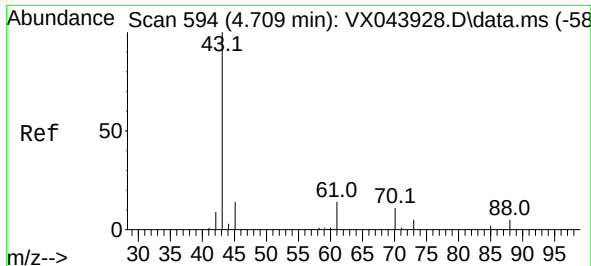
Tgt Ion:113 Resp: 9842
Ion Ratio Lower Upper
113 100
111 107.2 81.0 121.4
192 15.6 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406
Ion Ratio Lower Upper
75 100
110 37.4 17.4 52.2
77 31.6 25.8 38.8





#37

Ethyl Acetate

Concen: 4.158 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

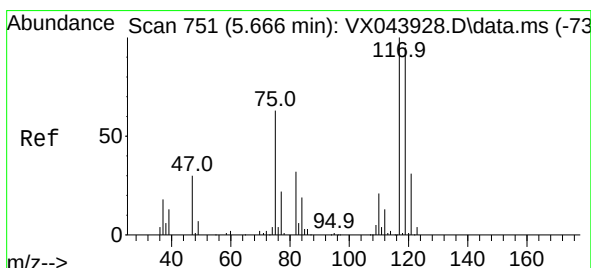
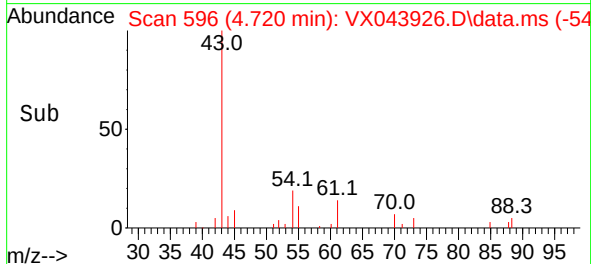
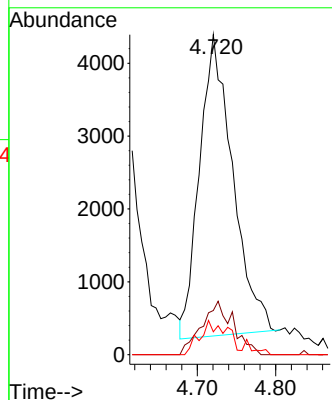
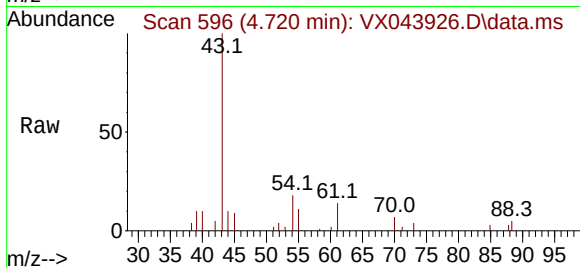
Tgt Ion: 43 Resp: 12177

Ion Ratio Lower Upper

43 100

61 16.9 10.7 16.1#

70 9.4 8.0 12.0



#38

Carbon Tetrachloride

Concen: 4.658 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

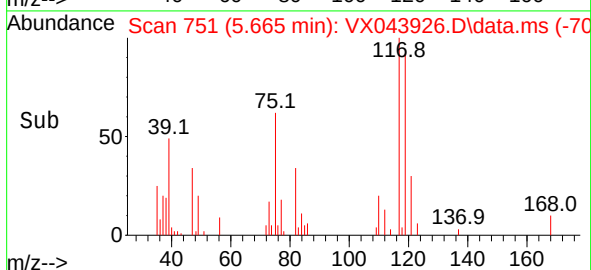
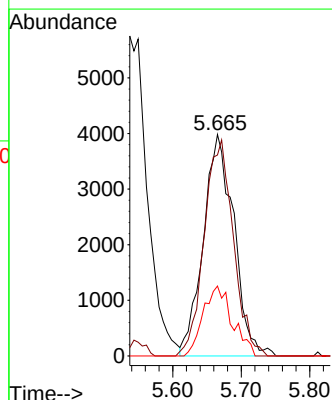
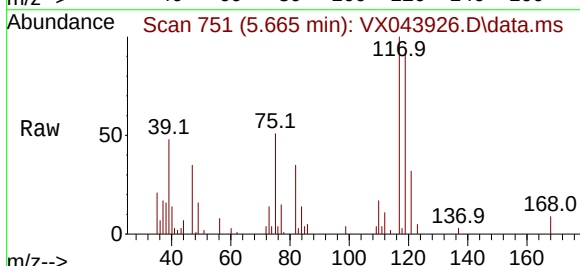
Tgt Ion: 117 Resp: 12348

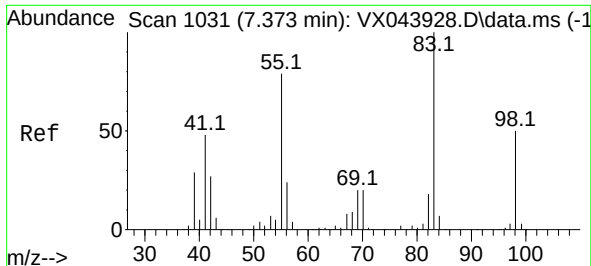
Ion Ratio Lower Upper

117 100

119 90.7 75.2 112.8

121 31.5 24.5 36.7





#39

Methylcyclohexane

Concen: 4.803 ug/l

RT: 7.372 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

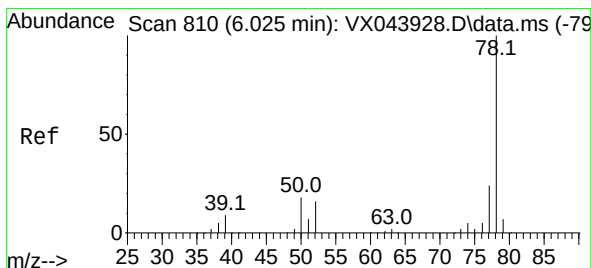
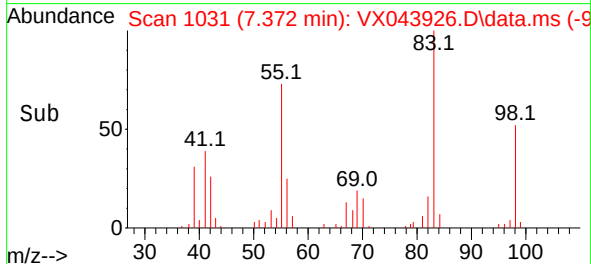
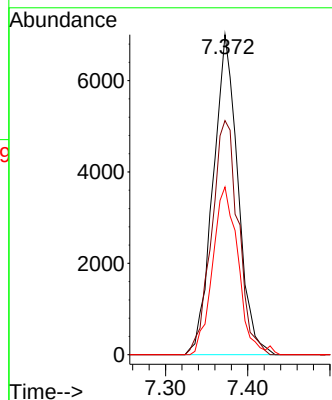
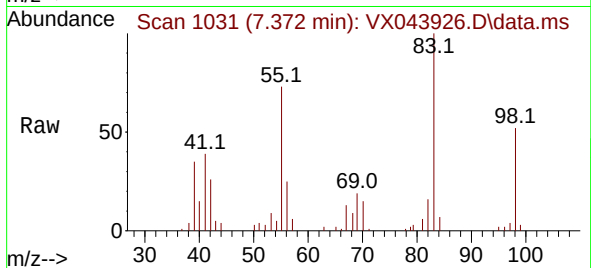
Tgt Ion: 83 Resp: 14721

Ion Ratio Lower Upper

83 100

55 73.1 63.1 94.7

98 52.4 40.0 60.0



#40

Benzene

Concen: 4.937 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043926.D

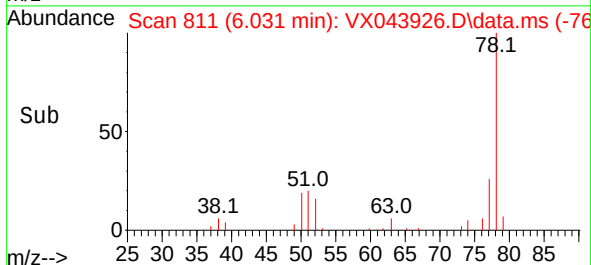
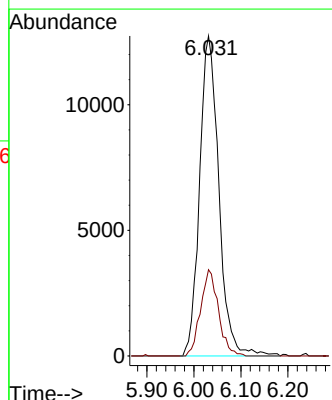
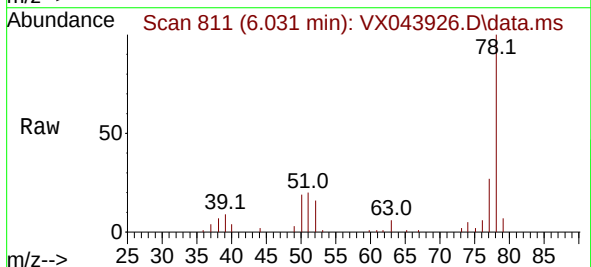
Acq: 21 Nov 2024 10:14

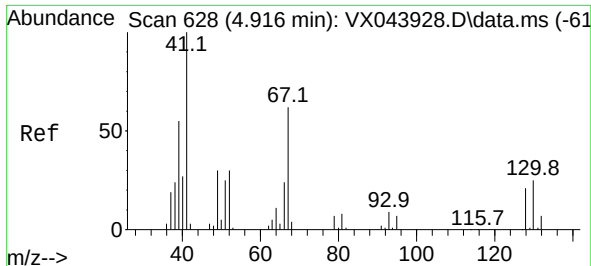
Tgt Ion: 78 Resp: 36283

Ion Ratio Lower Upper

78 100

77 27.0 19.2 28.8

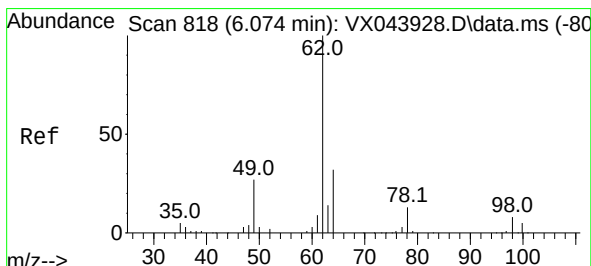
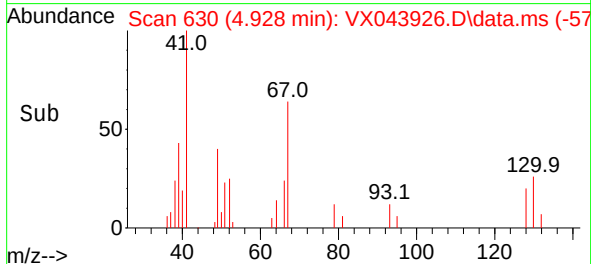
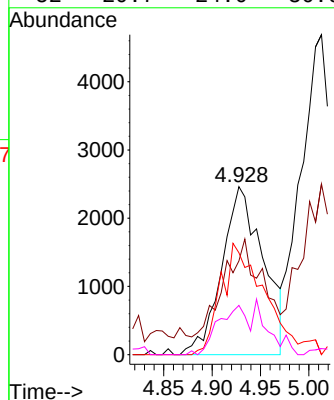
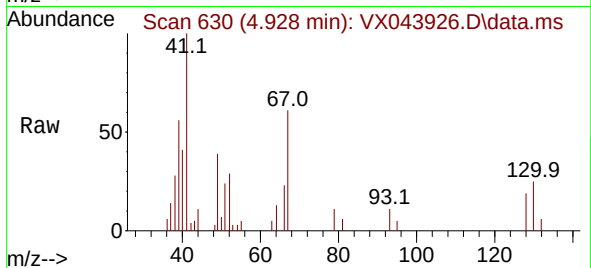




#41
Methacrylonitrile
Concen: 4.907 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

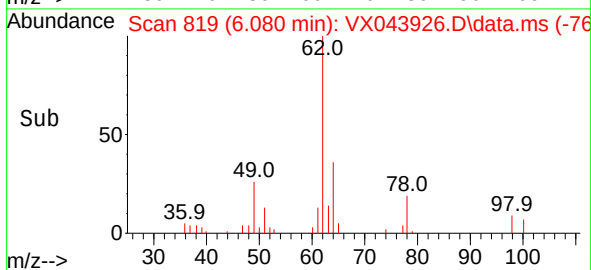
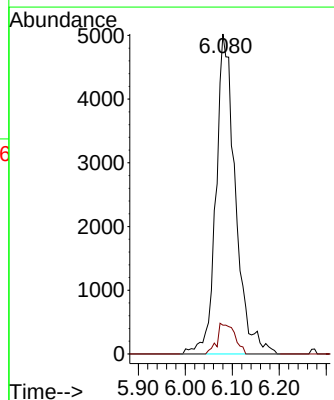
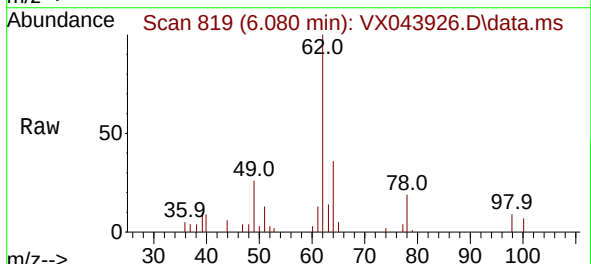
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

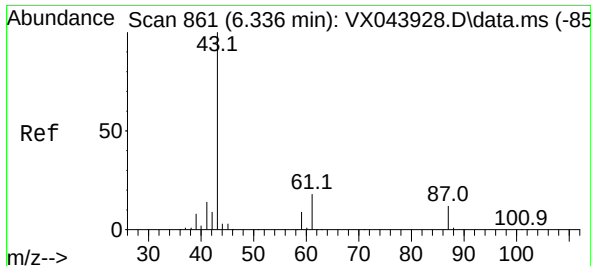
Tgt Ion: 41	Resp: 7355
Ion Ratio	Lower Upper
41 100	
39 52.5	41.7 62.5
67 72.4	55.8 83.8
52 20.7	24.0 36.0#



#42
1,2-Dichloroethane
Concen: 4.901 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62	Resp: 14467
Ion Ratio	Lower Upper
62 100	
98 8.6	0.0 16.4





#43

Isopropyl Acetate

Concen: 4.777 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

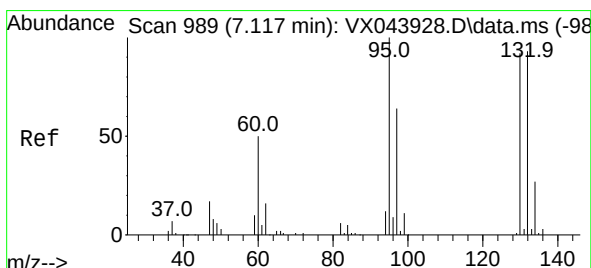
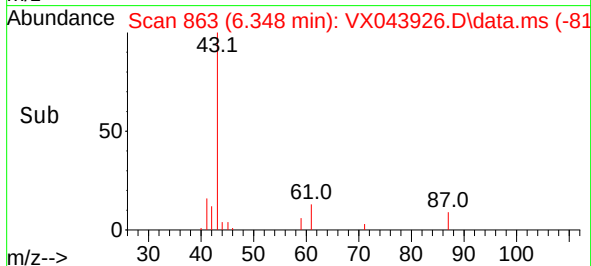
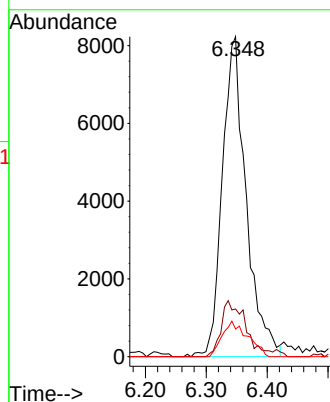
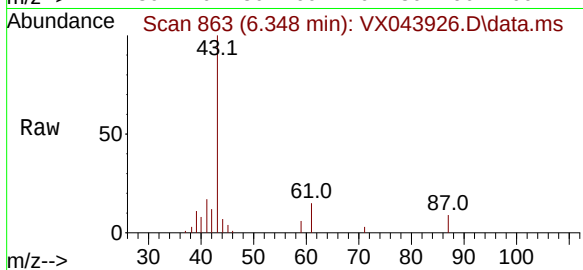
Tgt Ion: 43 Resp: 22267

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

87 11.9 10.2 15.2



#44

Trichloroethene

Concen: 4.736 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX043926.D

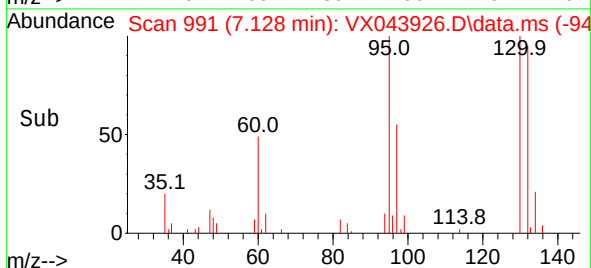
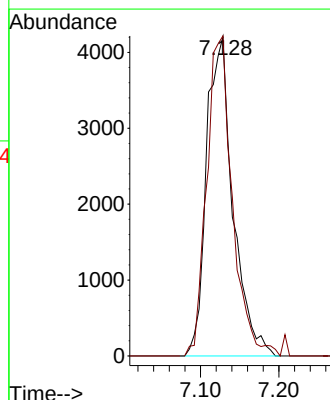
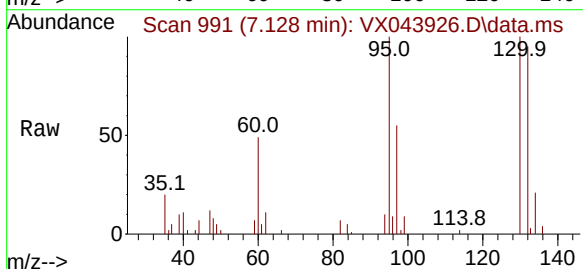
Acq: 21 Nov 2024 10:14

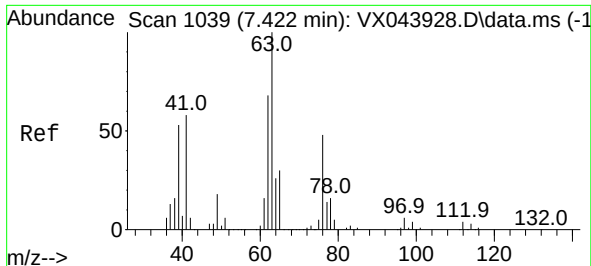
Tgt Ion:130 Resp: 9852

Ion Ratio Lower Upper

130 100

95 100.3 0.0 217.8

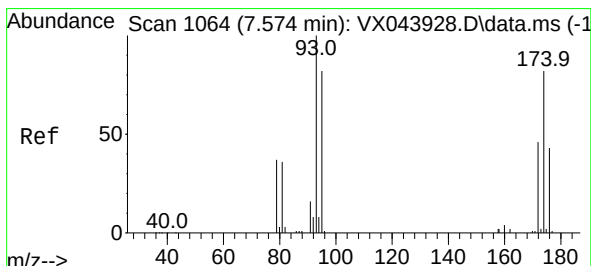
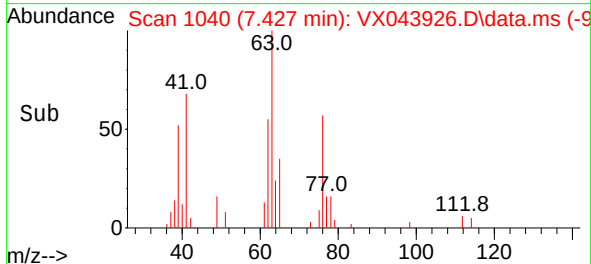
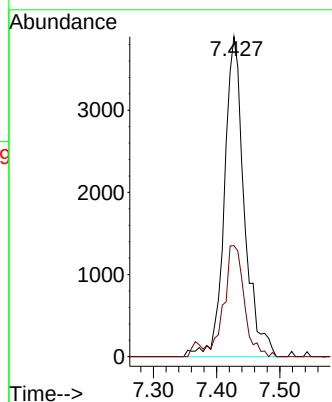
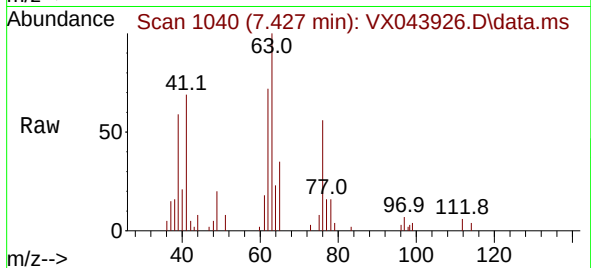




#45
1,2-Dichloropropane
Concen: 4.736 ug/l
RT: 7.427 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

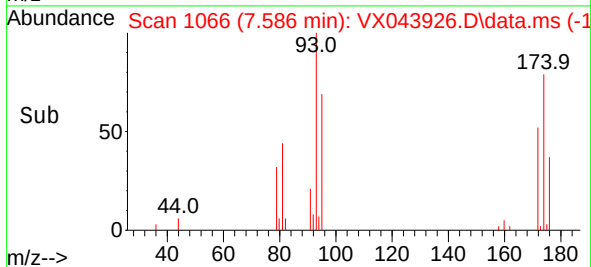
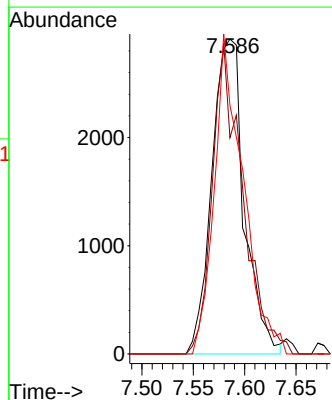
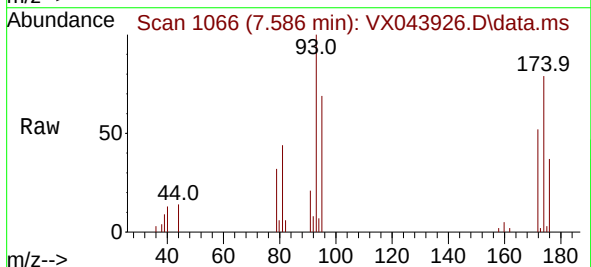
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

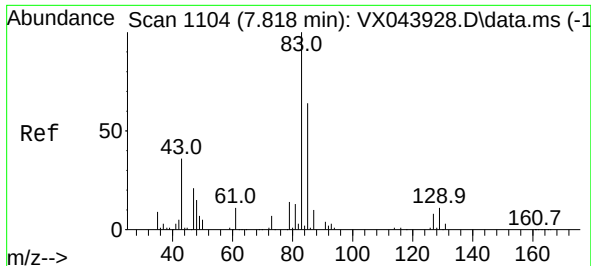
Tgt Ion: 63 Resp: 8525
Ion Ratio Lower Upper
63 100
65 34.7 23.8 35.6



#46
Dibromomethane
Concen: 4.475 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372
Ion Ratio Lower Upper
93 100
95 92.5 66.2 99.4
174 90.3 69.6 104.4





#47

Bromodichloromethane

Concen: 4.405 ug/l

RT: 7.823 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

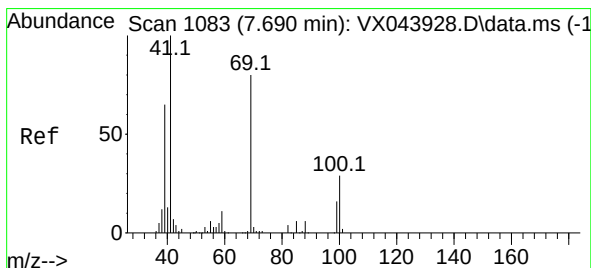
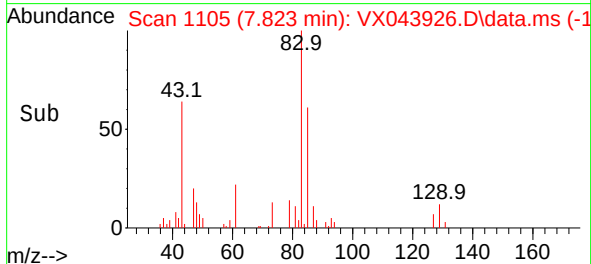
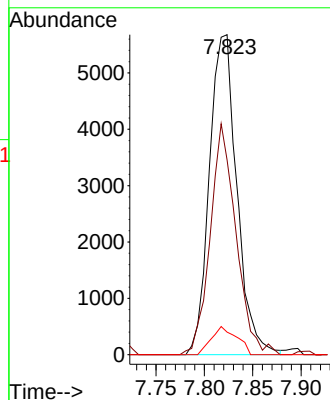
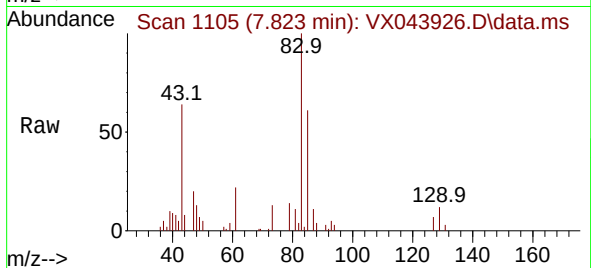
Tgt Ion: 83 Resp: 11249

Ion Ratio Lower Upper

83 100

85 60.8 51.4 77.0

127 7.1 6.6 10.0



#48

Methyl methacrylate

Concen: 4.556 ug/l

RT: 7.695 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

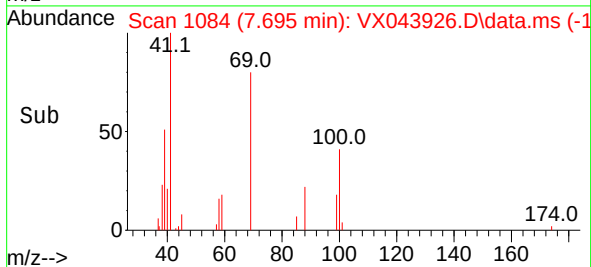
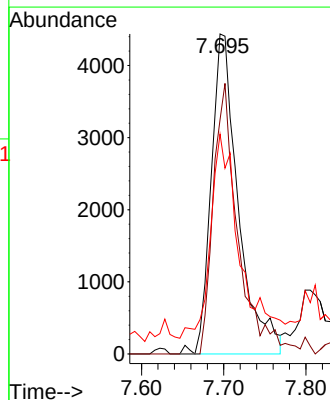
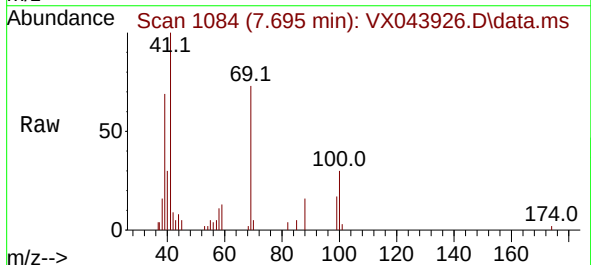
Tgt Ion: 41 Resp: 10190

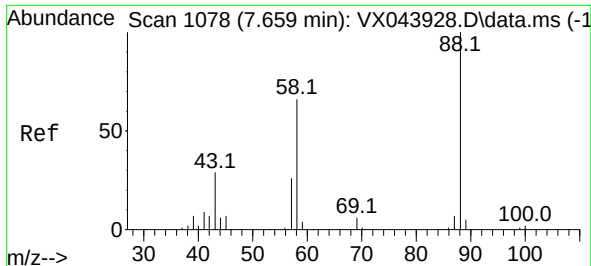
Ion Ratio Lower Upper

41 100

69 77.6 64.6 97.0

39 60.5 53.3 79.9

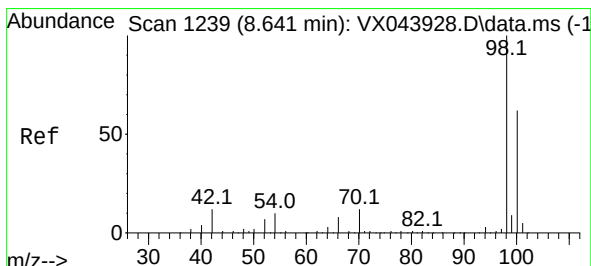
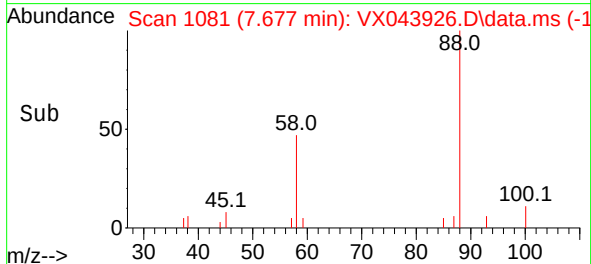
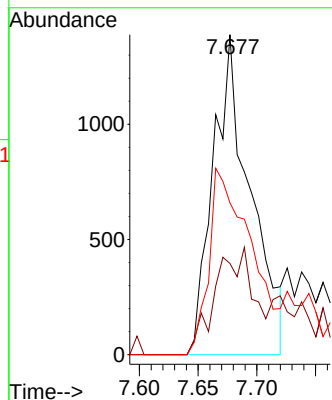
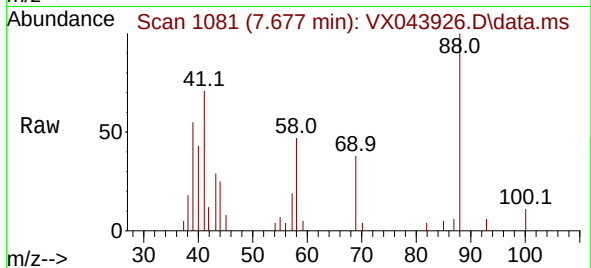




#49
1,4-Dioxane
Concen: 79.255 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

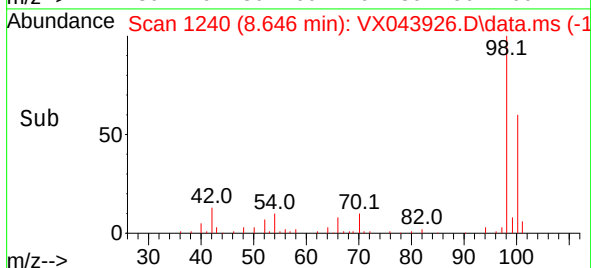
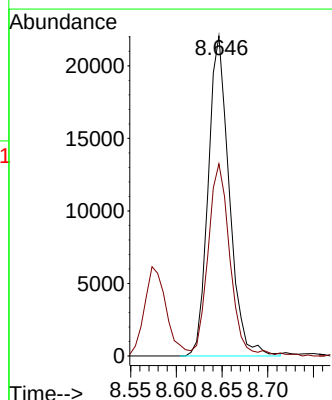
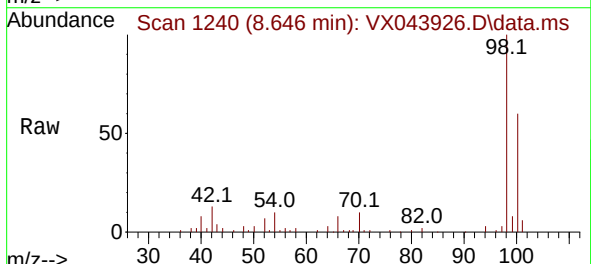
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

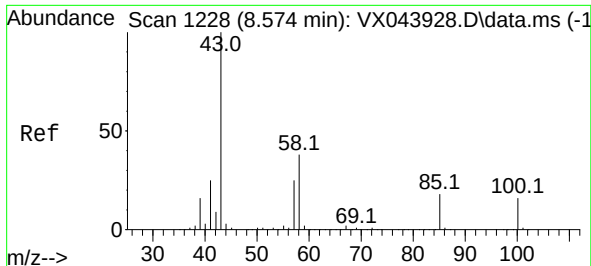
Tgt Ion: 88 Resp: 3056
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 66.3 45.4 68.2



#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173
Ion Ratio Lower Upper
98 100
100 62.7 52.6 79.0

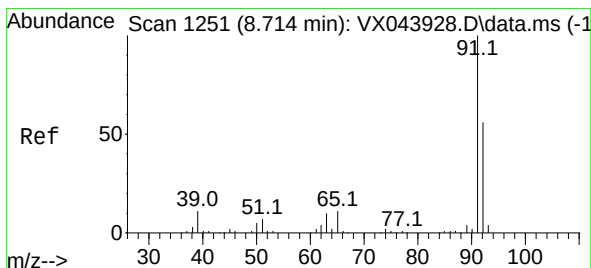
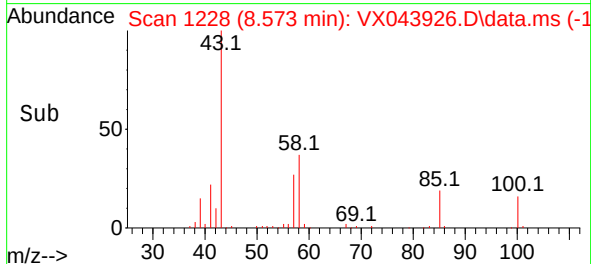
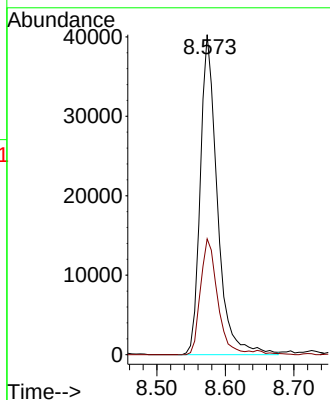
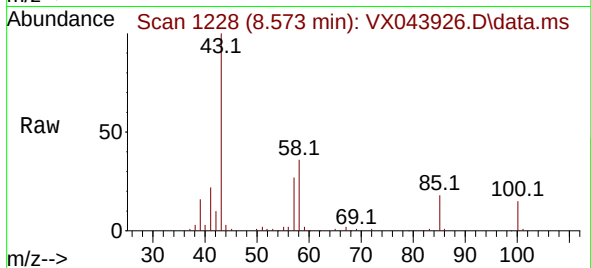




#51
4-Methyl-2-Pentanone
Concen: 24.556 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

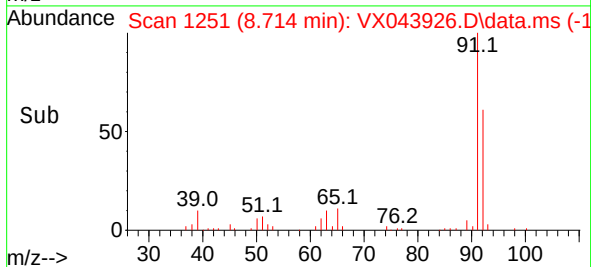
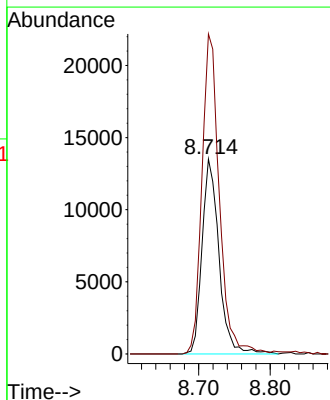
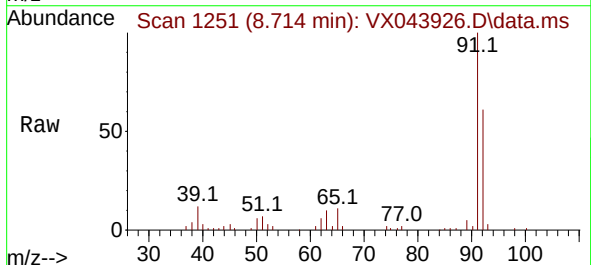
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

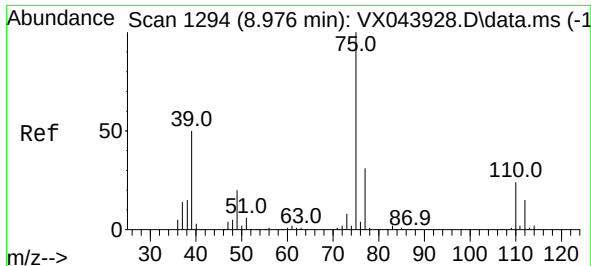
Tgt Ion: 43 Resp: 69843
Ion Ratio Lower Upper
43 100
58 35.9 30.0 45.0



#52
Toluene
Concen: 5.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218
Ion Ratio Lower Upper
92 100
91 168.5 139.7 209.5

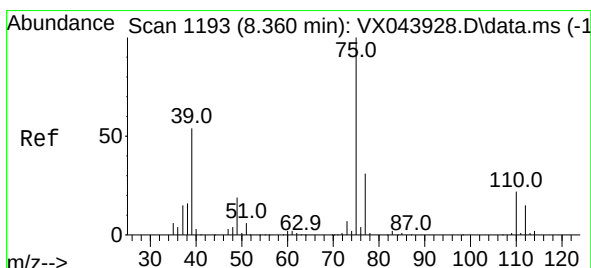
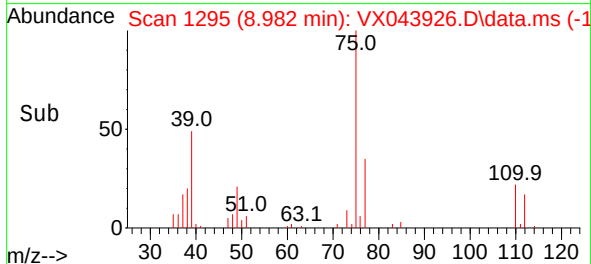
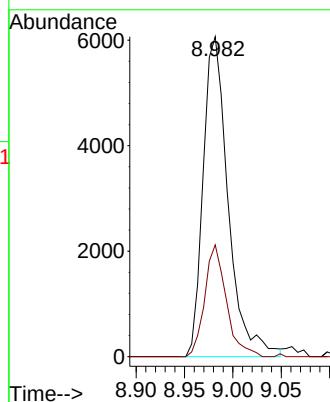
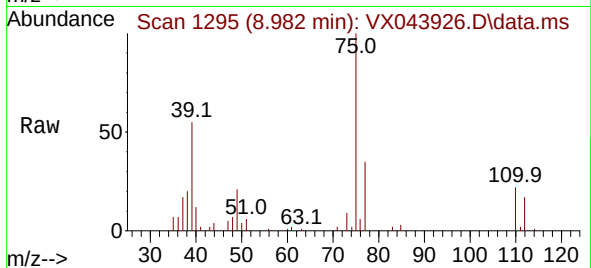




#53
t-1,3-Dichloropropene
Concen: 4.200 ug/l
RT: 8.982 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

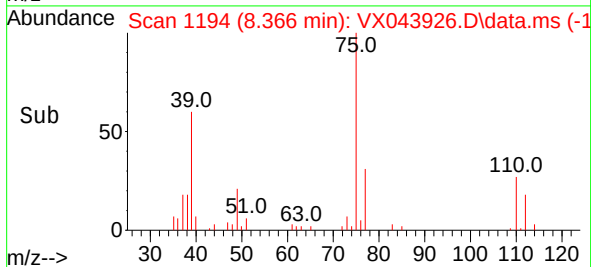
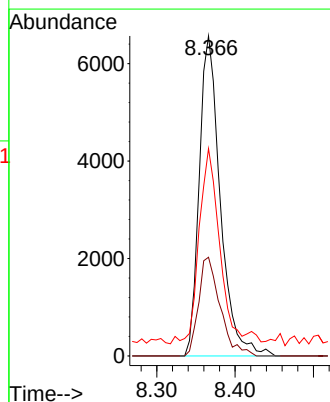
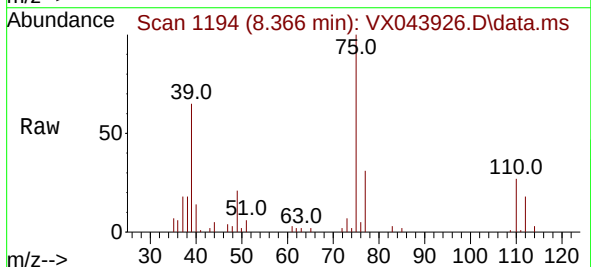
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

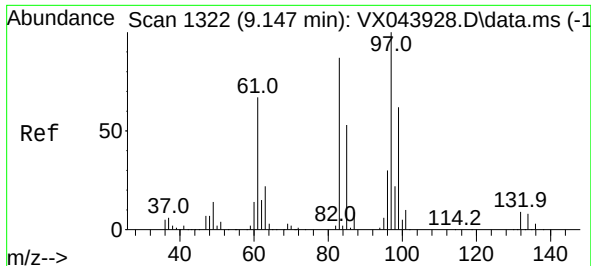
Tgt Ion: 75 Resp: 10937
Ion Ratio Lower Upper
75 100
77 35.0 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 4.292 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8
39 60.0 43.1 64.7

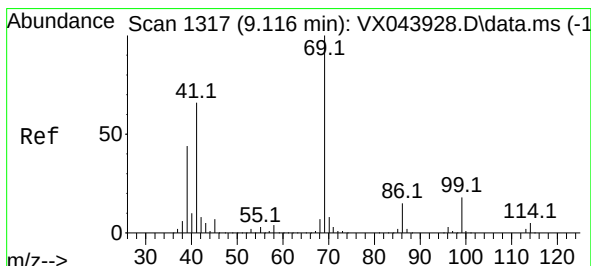
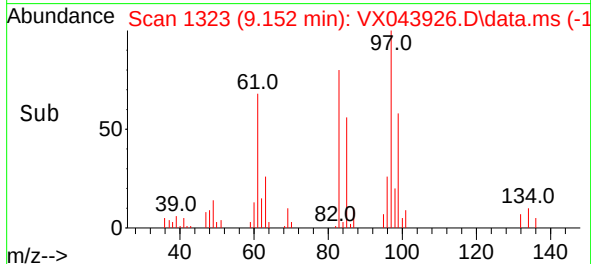
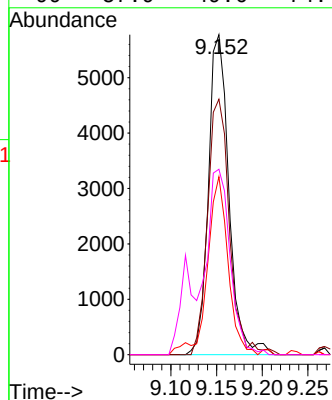
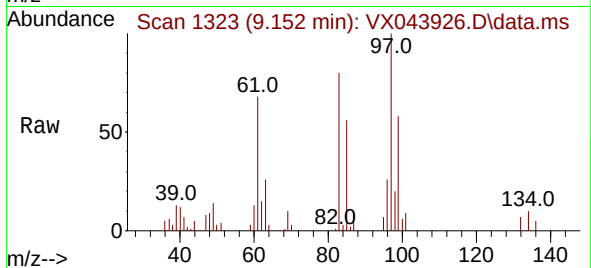




#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 9.152 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

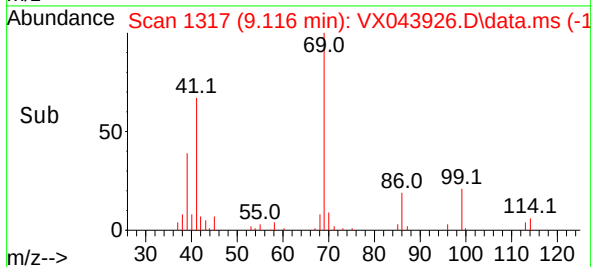
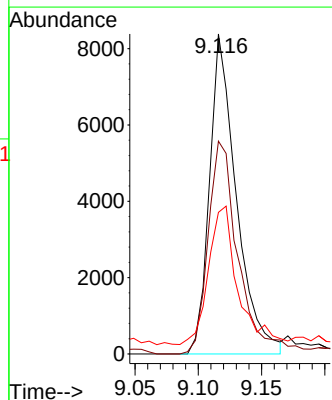
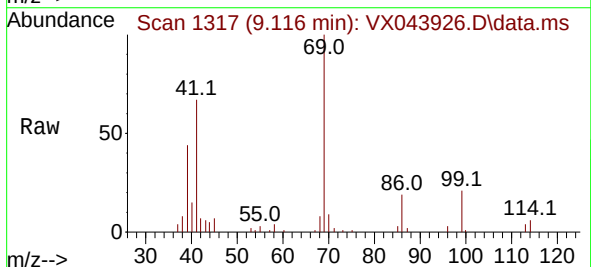
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

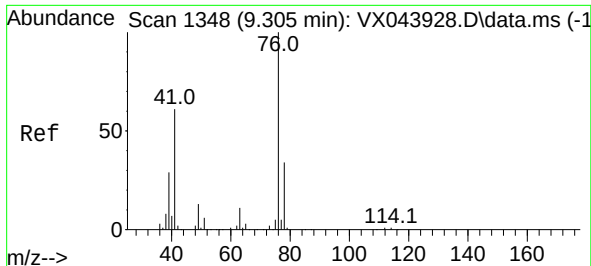
Tgt Ion:	97	Resp:	9000
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.4	104.0
85	55.6	42.3	63.5
99	57.9	49.6	74.4



#56
Ethyl methacrylate
Concen: 4.378 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:	69	Resp:	12381
Ion	Ratio	Lower	Upper
69	100		
41	75.0	55.8	83.8
39	46.7	36.7	55.1





#57

1,3-Dichloropropane

Concen: 4.973 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

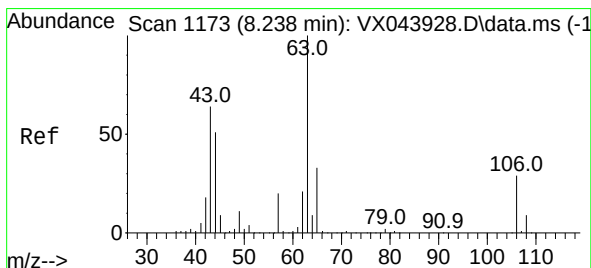
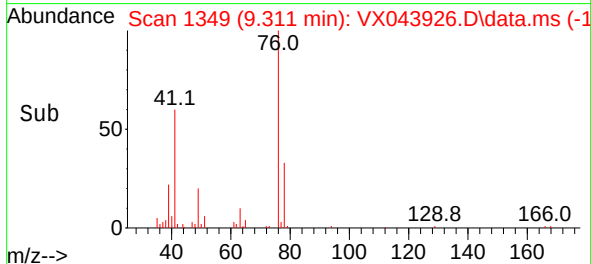
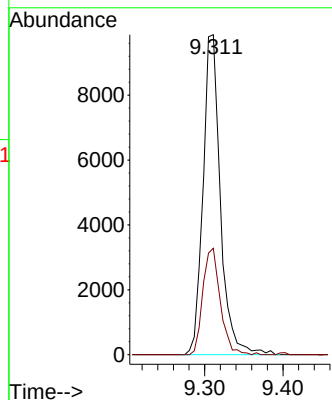
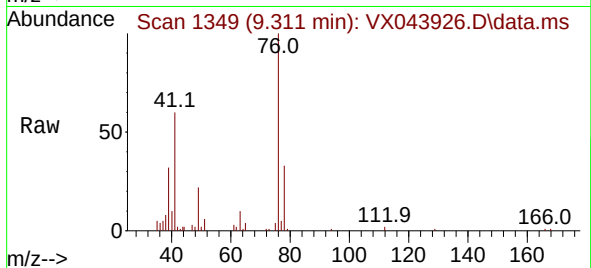
VSTDICC005

Tgt Ion: 76 Resp: 15211

Ion Ratio Lower Upper

76 100

78 33.4 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 27.673 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043926.D

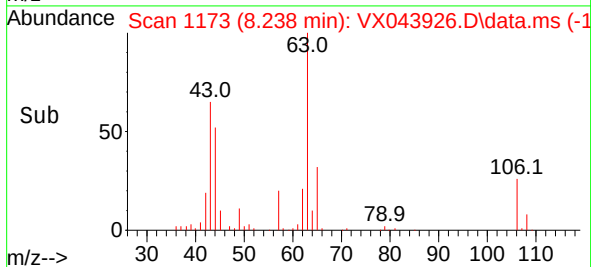
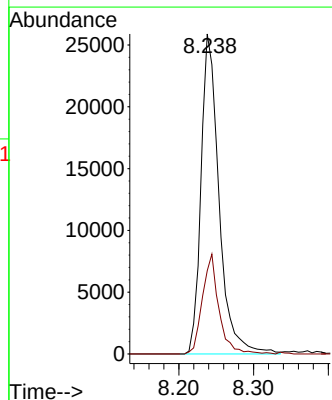
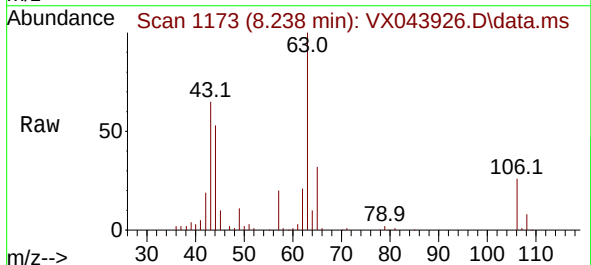
Acq: 21 Nov 2024 10:14

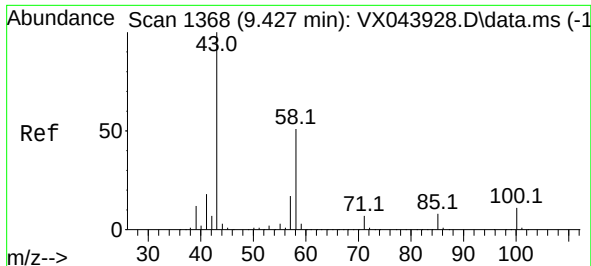
Tgt Ion: 63 Resp: 43351

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6

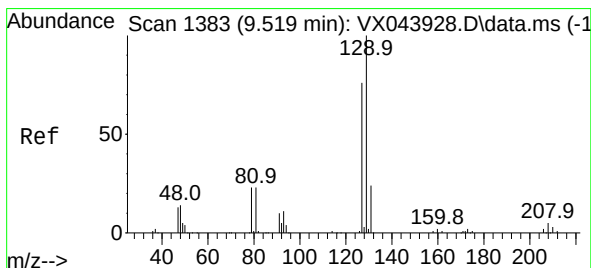
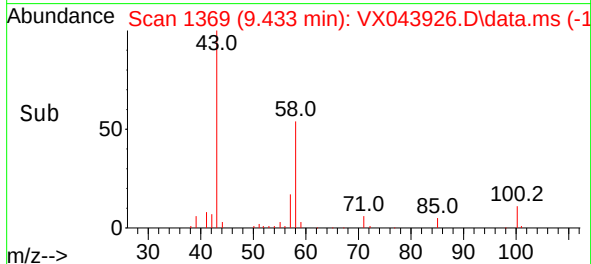
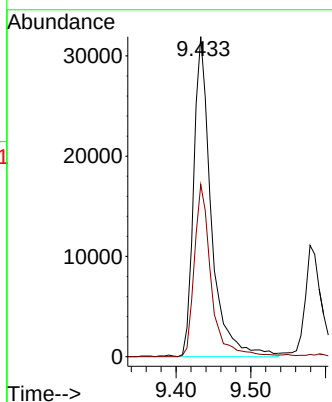
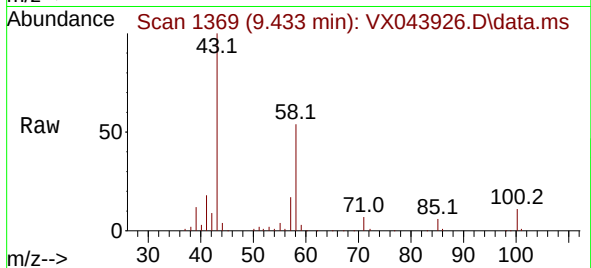




#59
2-Hexanone
Concen: 24.357 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

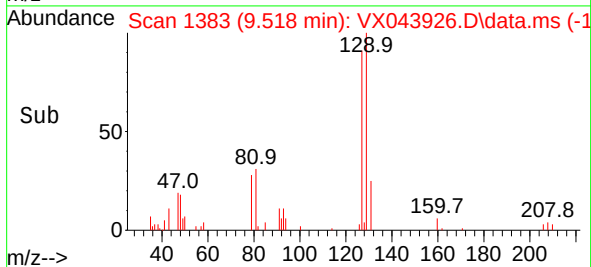
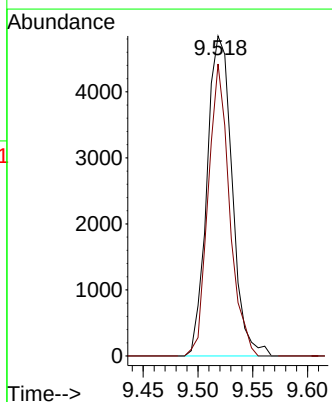
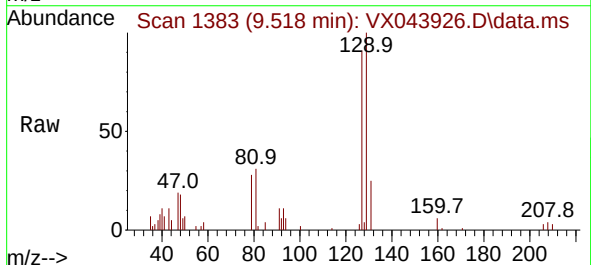
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

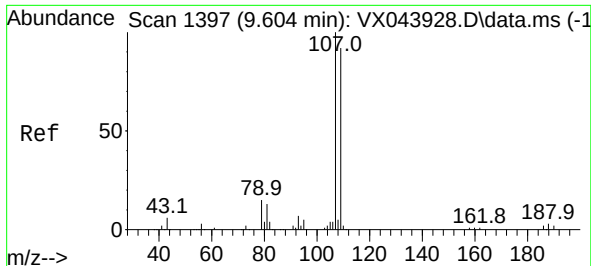
Tgt Ion: 43 Resp: 52072
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.6



#60
Dibromochloromethane
Concen: 4.247 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 129 Resp: 7738
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 4.894 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

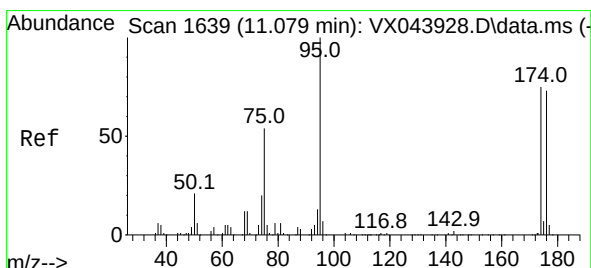
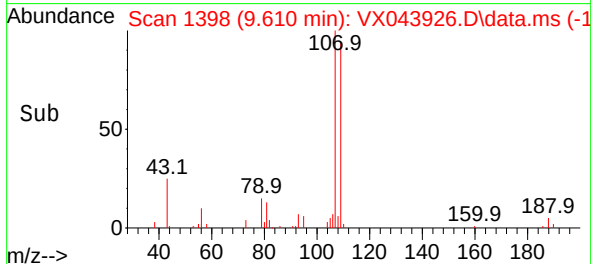
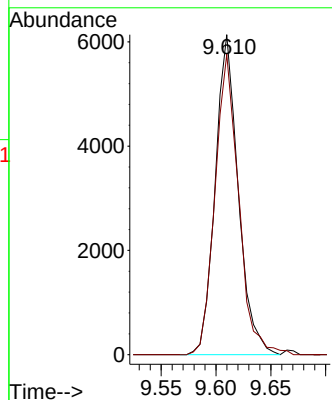
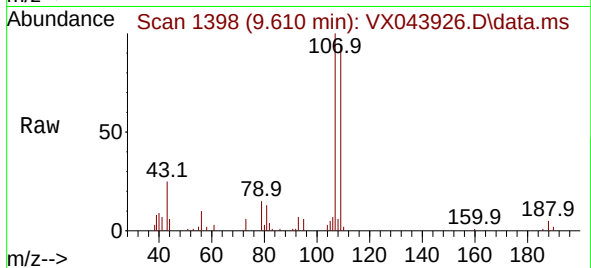
VSTDIC005

Tgt Ion:107 Resp: 8985

Ion Ratio Lower Upper

107 100

109 96.2 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 4.780 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

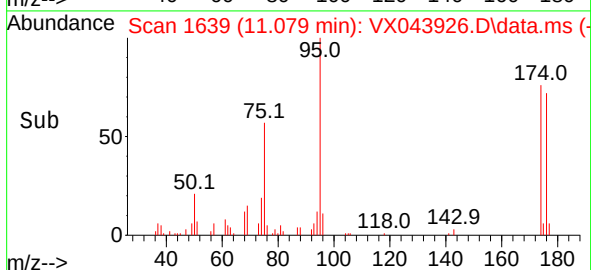
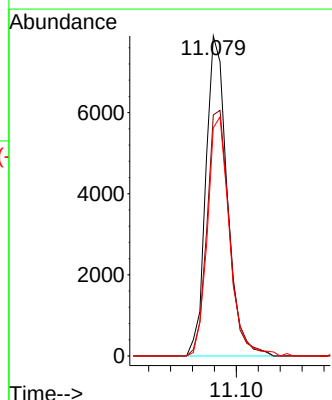
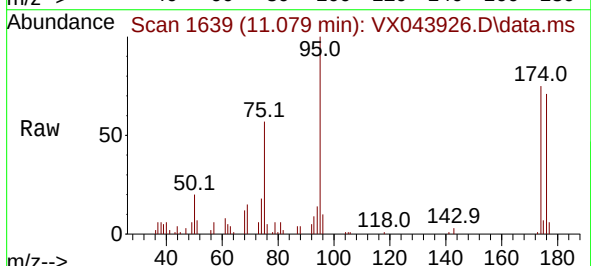
Tgt Ion: 95 Resp: 10618

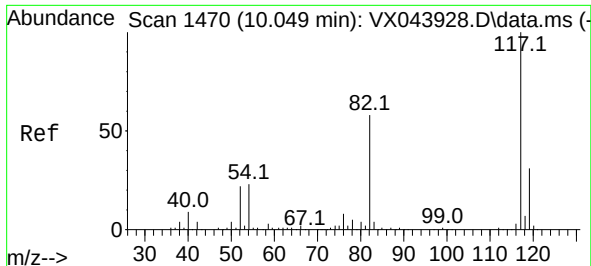
Ion Ratio Lower Upper

95 100

174 80.9 0.0 150.4

176 77.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

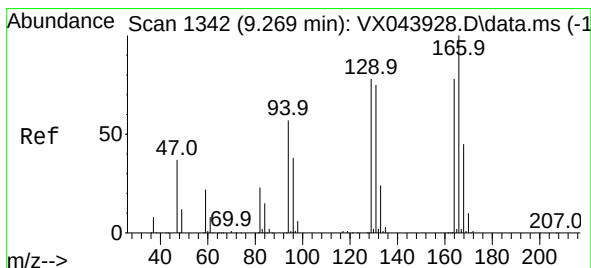
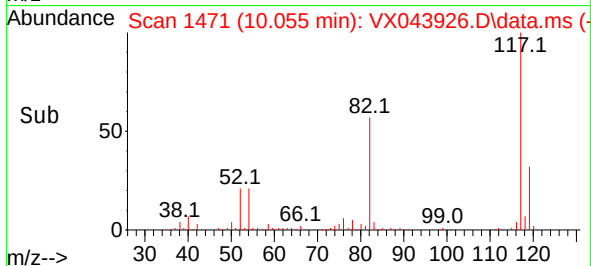
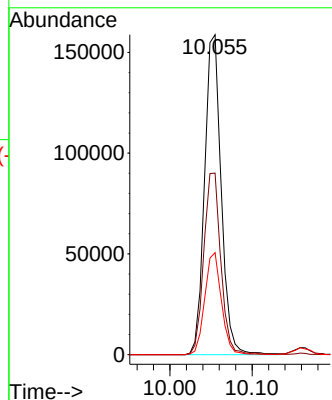
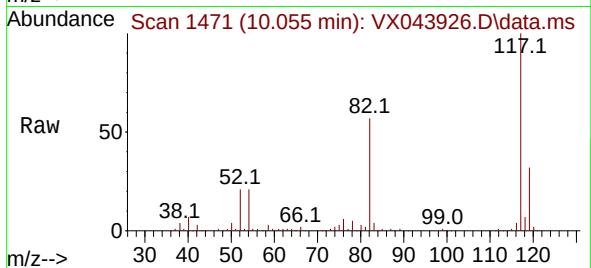
Tgt Ion:117 Resp: 223514

Ion Ratio Lower Upper

117 100

82 56.8 46.4 69.6

119 31.9 24.6 37.0



#64

Tetrachloroethene

Concen: 5.185 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

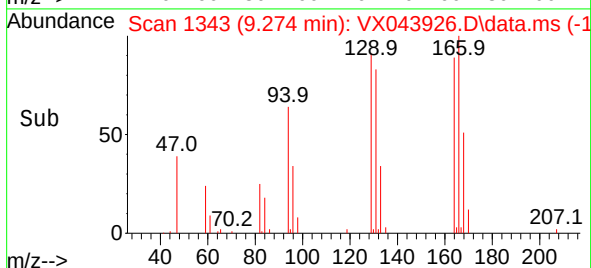
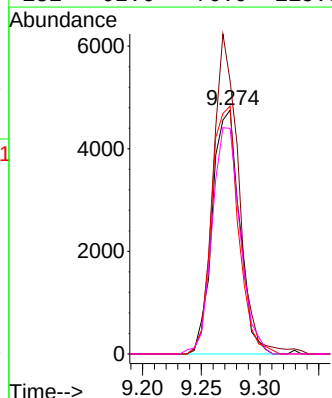
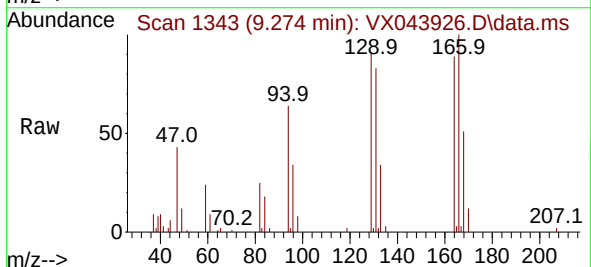
Ion Ratio Lower Upper

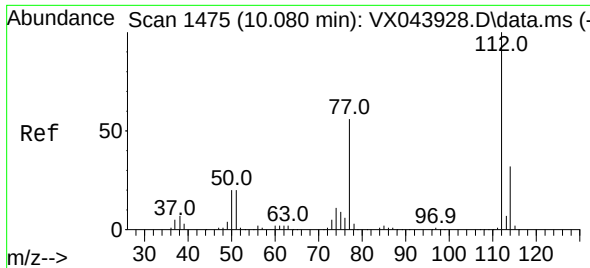
164 100

166 111.9 102.1 153.1

129 101.7 79.6 119.4

131 92.6 76.9 115.3

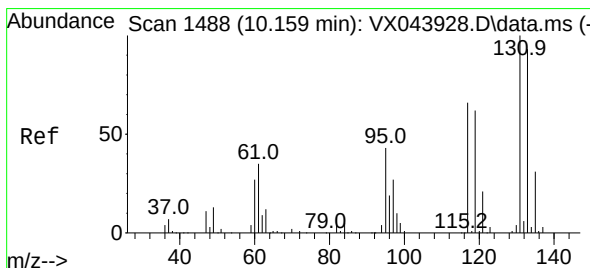
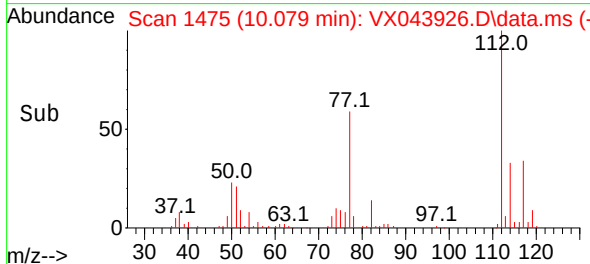
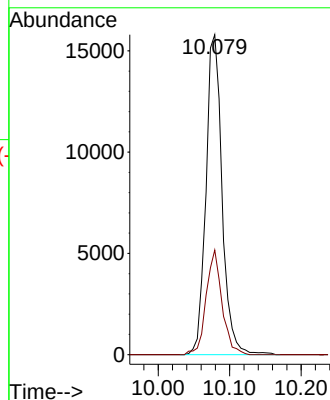
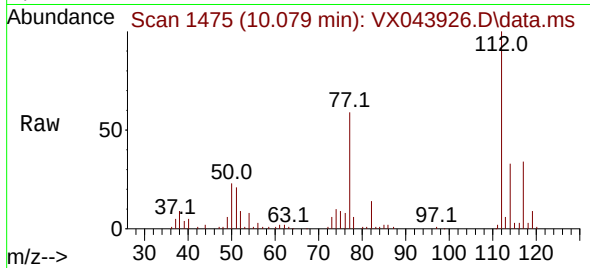




#65
Chlorobenzene
Concen: 5.050 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

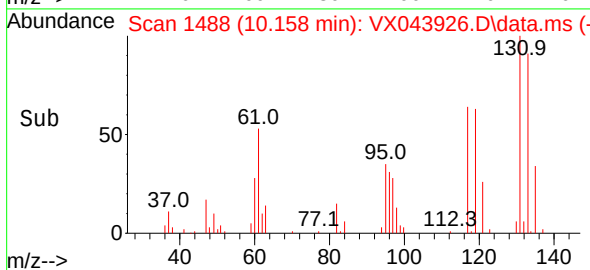
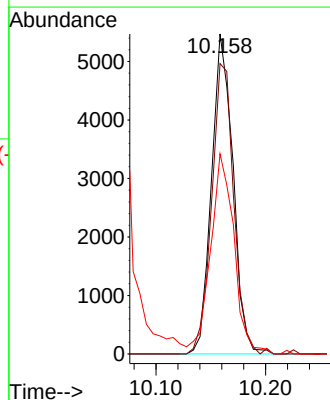
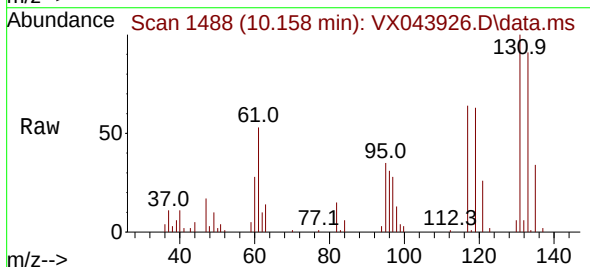
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

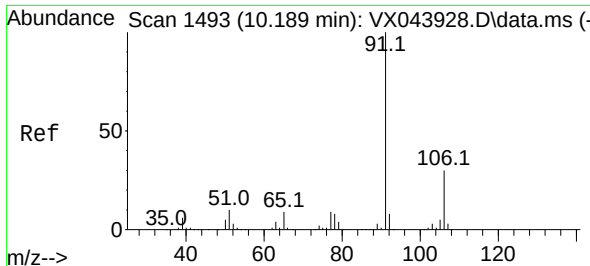
Tgt Ion:112 Resp: 24792
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.661 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421
Ion Ratio Lower Upper
131 100
133 94.1 48.2 144.6
119 68.3 31.5 94.5





#67

Ethyl Benzene

Concen: 4.920 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

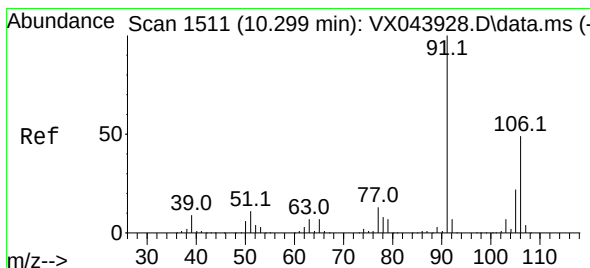
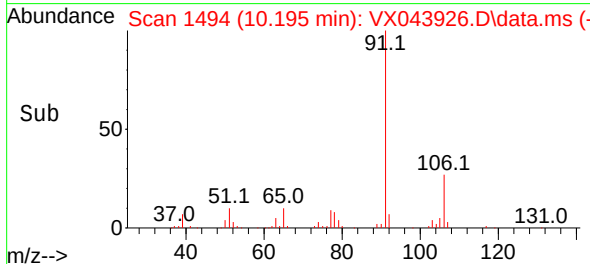
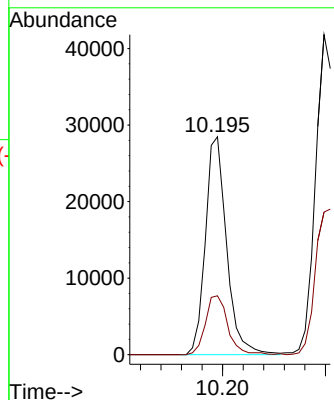
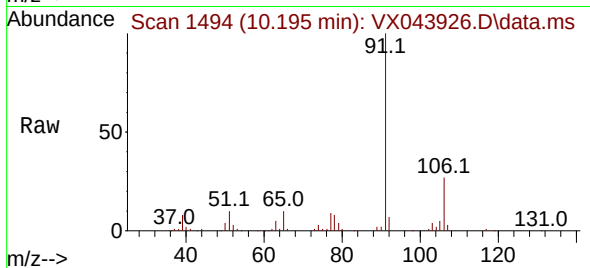
VSTDIC005

Tgt Ion: 91 Resp: 40927

Ion Ratio Lower Upper

91 100

106 27.0 23.6 35.4



#68

m/p-Xylenes

Concen: 9.553 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043926.D

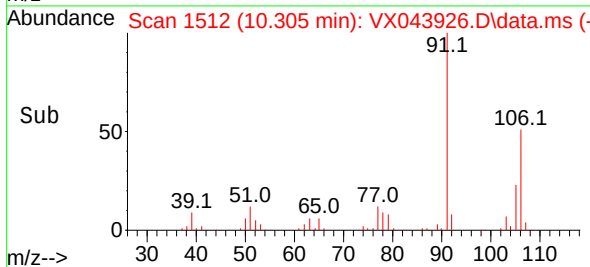
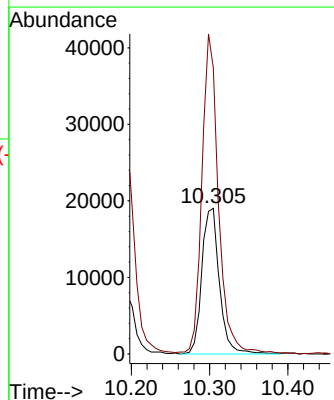
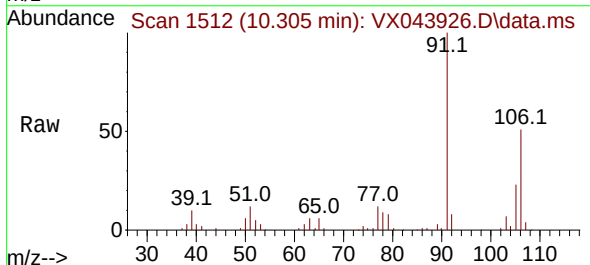
Acq: 21 Nov 2024 10:14

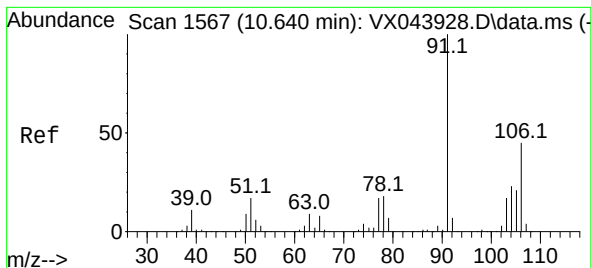
Tgt Ion:106 Resp: 29635

Ion Ratio Lower Upper

106 100

91 208.0 168.1 252.1

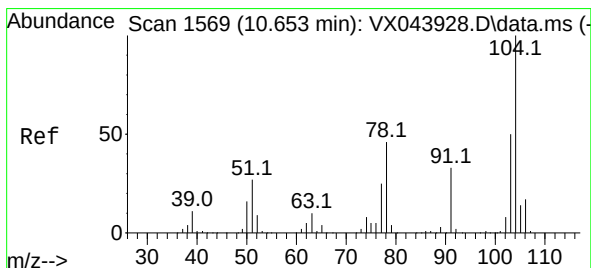
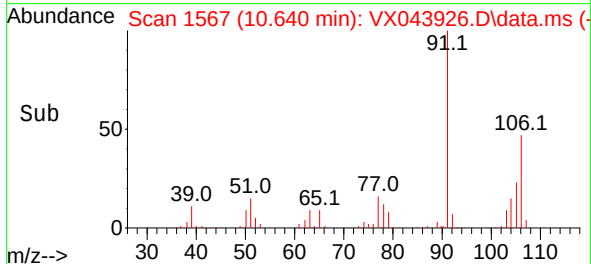
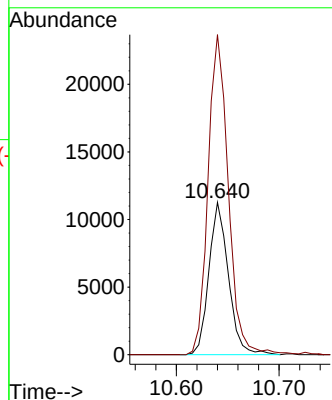
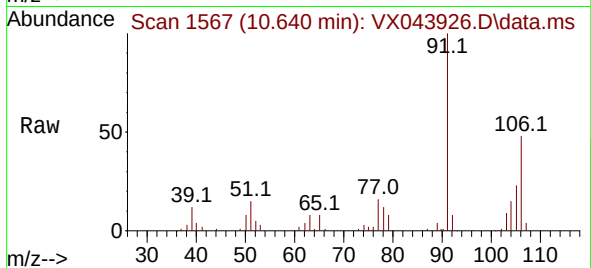




#69
o-Xylene
Concen: 4.905 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

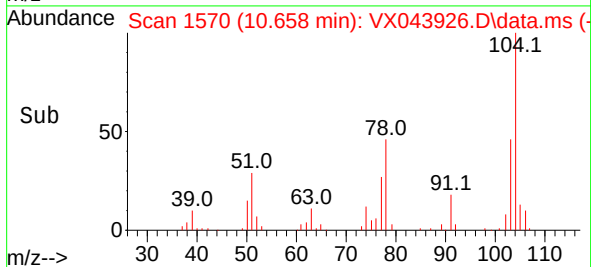
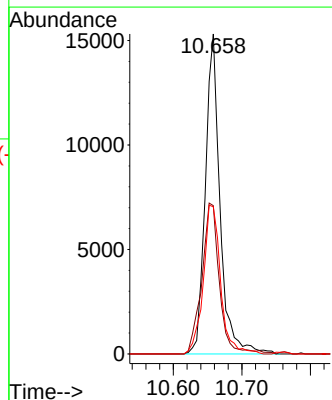
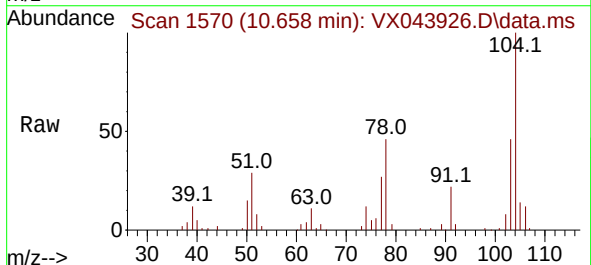
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

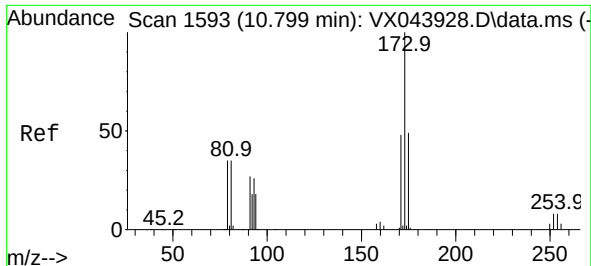
Tgt Ion:106 Resp: 14856
Ion Ratio Lower Upper
106 100
91 217.8 110.2 330.6



#70
Styrene
Concen: 4.573 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907
Ion Ratio Lower Upper
104 100
78 56.4 42.2 63.2
103 54.8 44.7 67.1

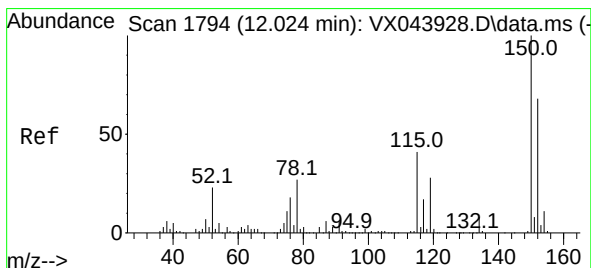
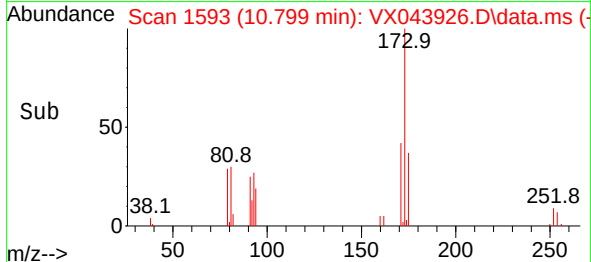
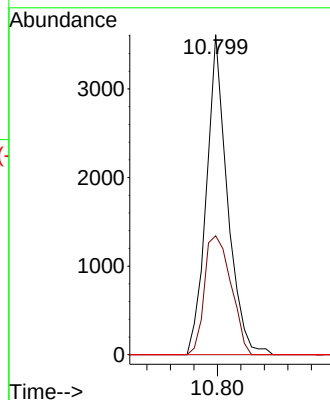
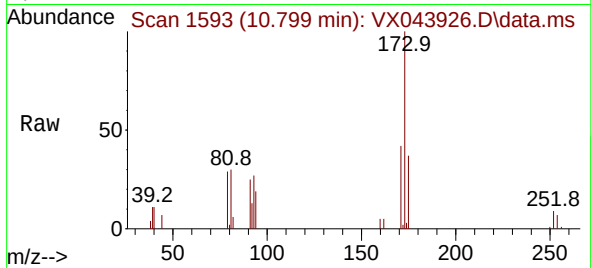




#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

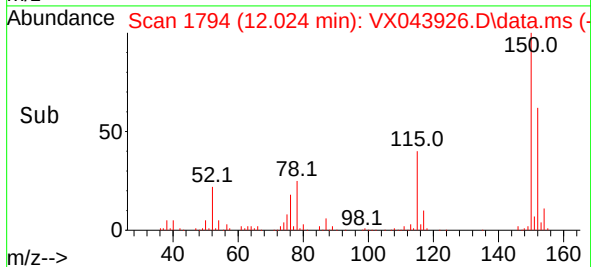
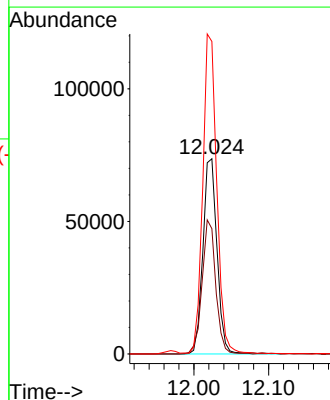
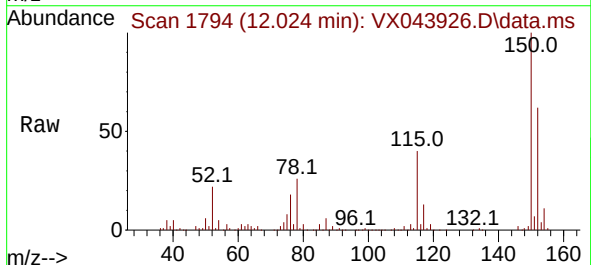
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

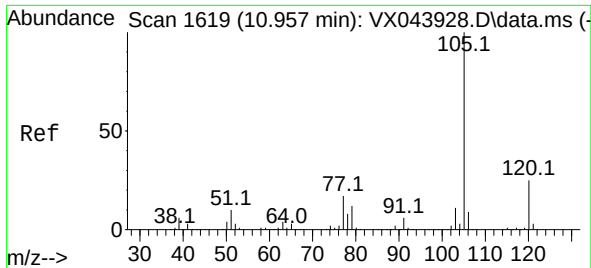
Tgt Ion:173 Resp: 4476
Ion Ratio Lower Upper
173 100
175 47.1 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662
Ion Ratio Lower Upper
152 100
115 66.4 45.4 136.2
150 162.1 0.0 353.0

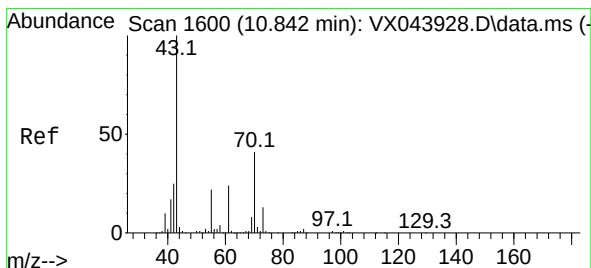
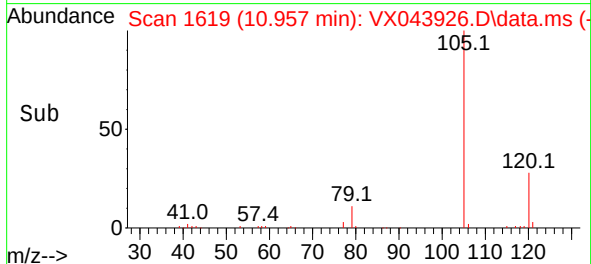
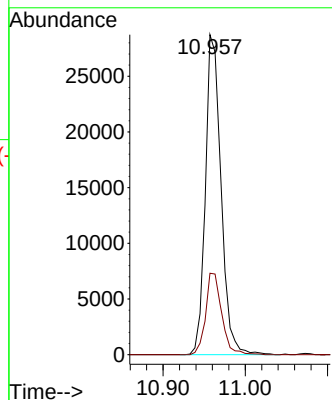
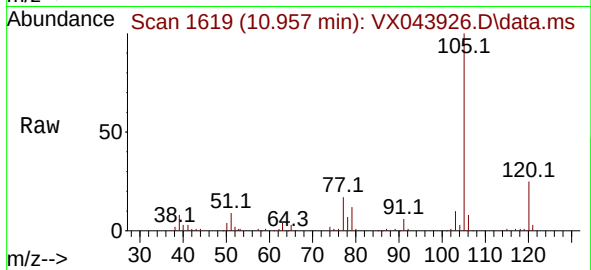




#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

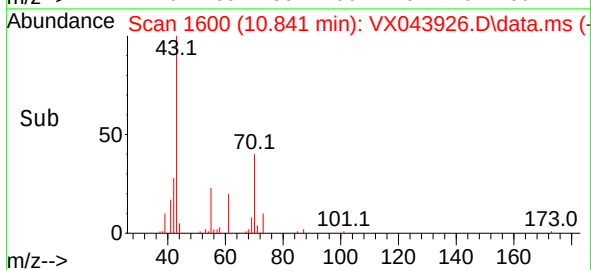
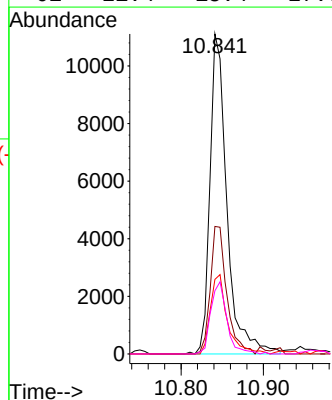
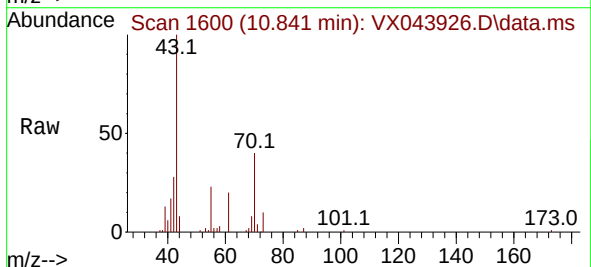
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

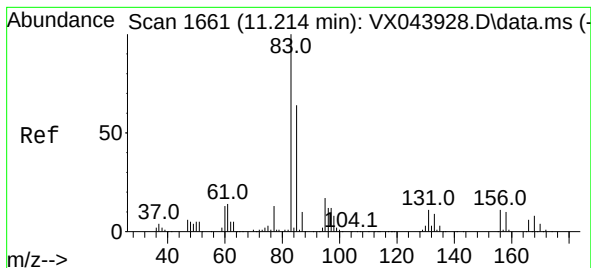
Tgt Ion:105 Resp: 37958
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9



#74
N-ethyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928
Ion Ratio Lower Upper
43 100
70 38.5 32.2 48.2
55 24.8 18.1 27.1
61 21.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.152 ug/l

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

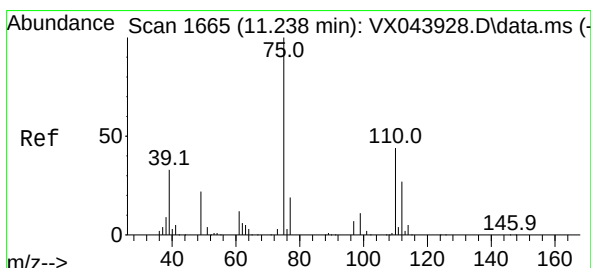
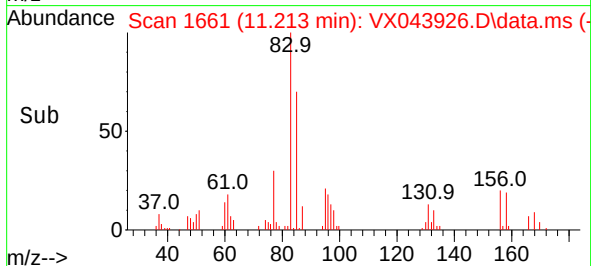
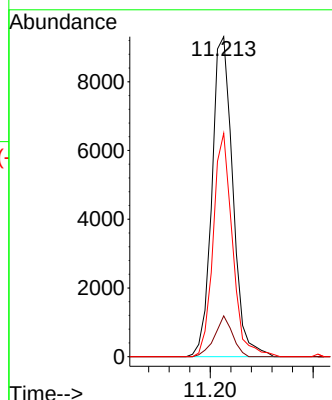
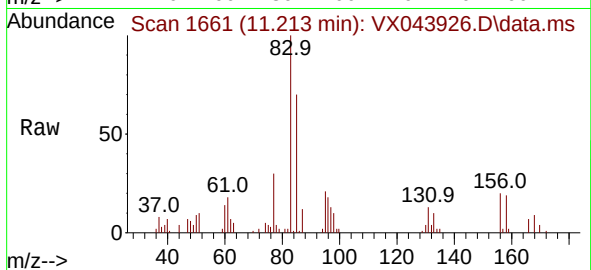
Tgt Ion: 83 Resp: 13107

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.2

85 64.3 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 7.062 ug/l

RT: 11.237 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043926.D

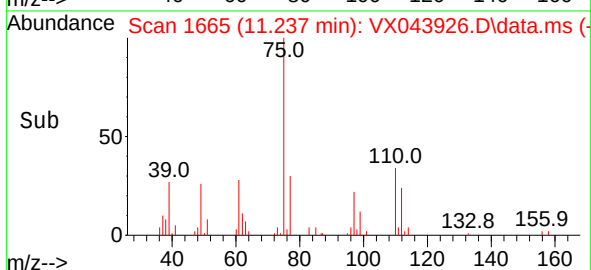
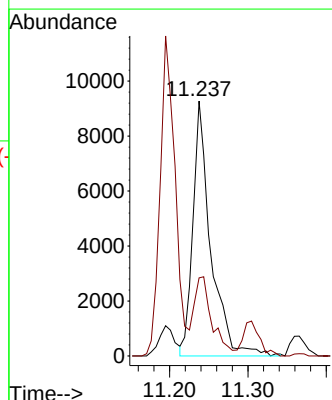
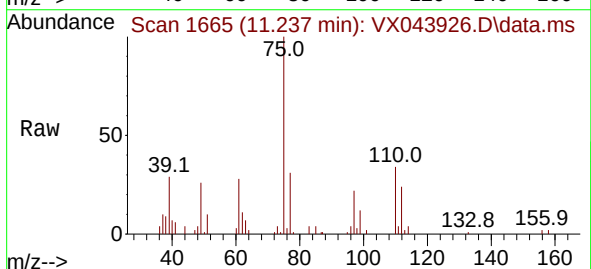
Acq: 21 Nov 2024 10:14

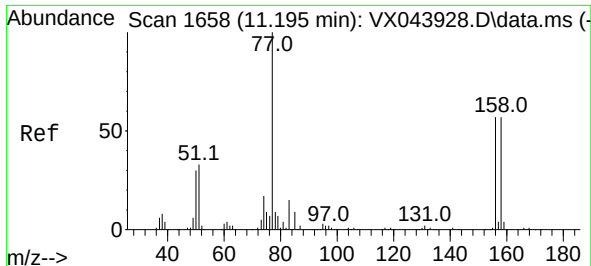
Tgt Ion: 75 Resp: 14721

Ion Ratio Lower Upper

75 100

77 30.5 21.8 65.3

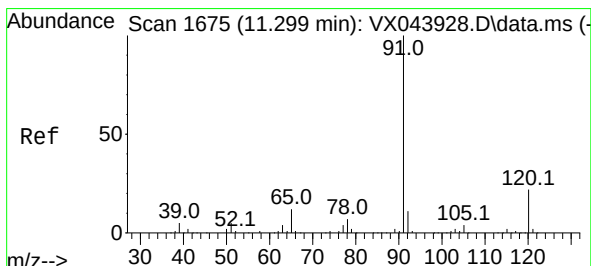
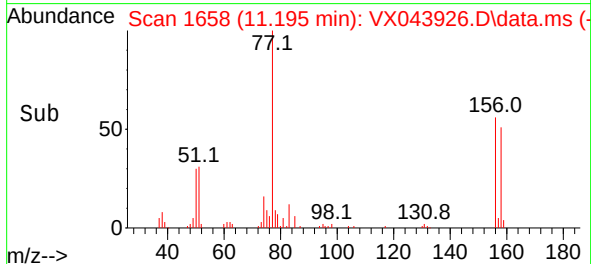
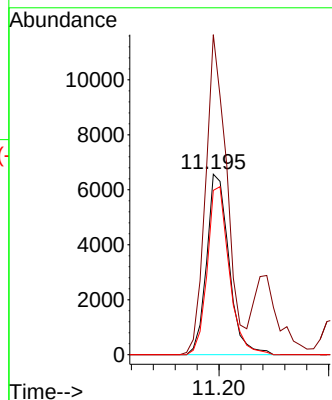
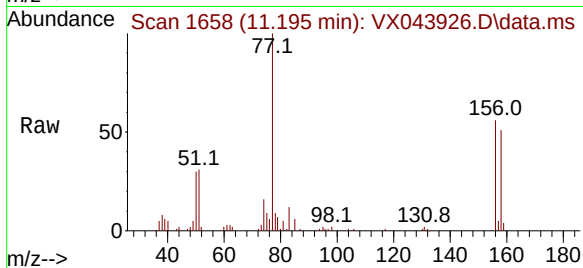




#77
Bromobenzene
Concen: 5.224 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

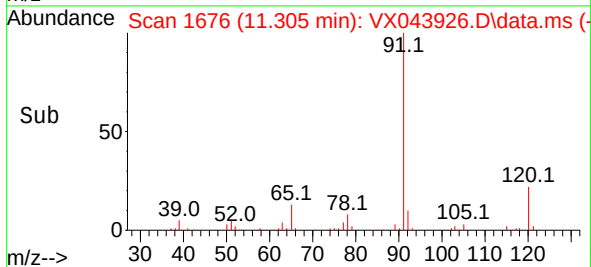
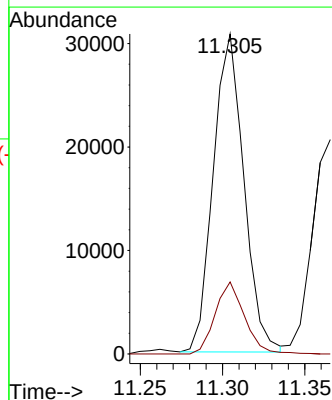
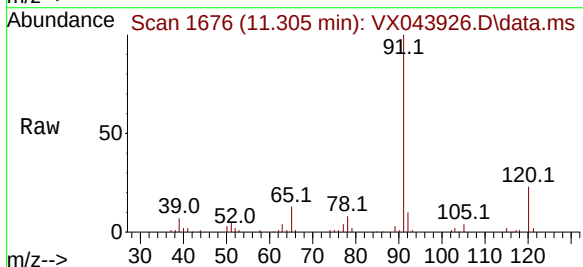
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

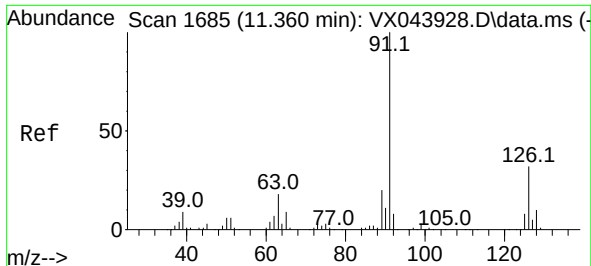
Tgt Ion:156 Resp: 9259
Ion Ratio Lower Upper
156 100
77 169.5 83.4 250.1
158 91.6 47.6 142.8



#78
n-propylbenzene
Concen: 4.793 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774
Ion Ratio Lower Upper
91 100
120 21.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 5.096 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

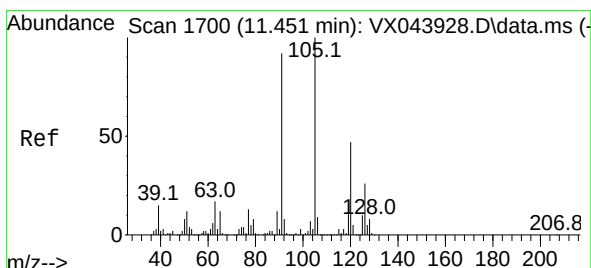
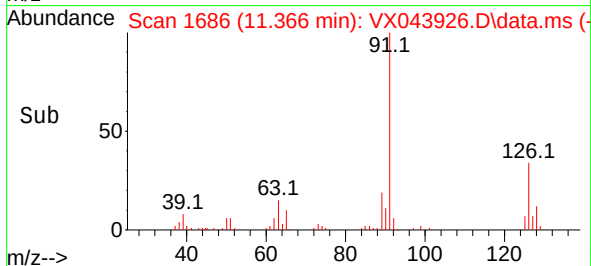
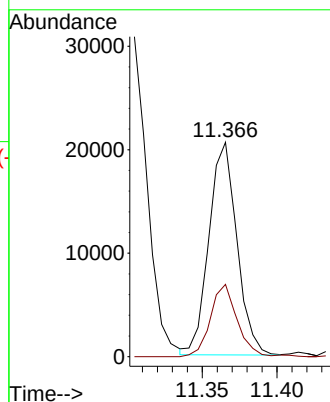
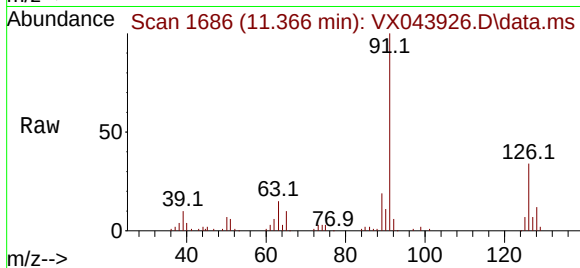
VSTDIC005

Tgt Ion: 91 Resp: 26740

Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 4.926 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043926.D

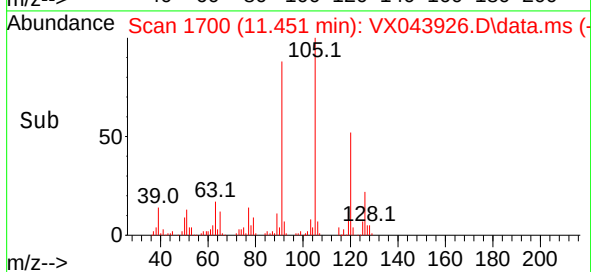
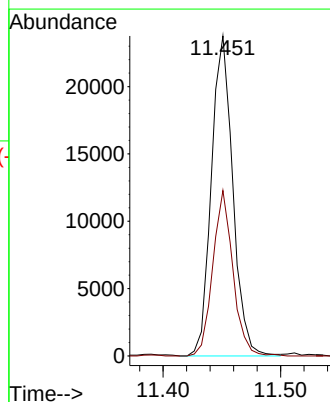
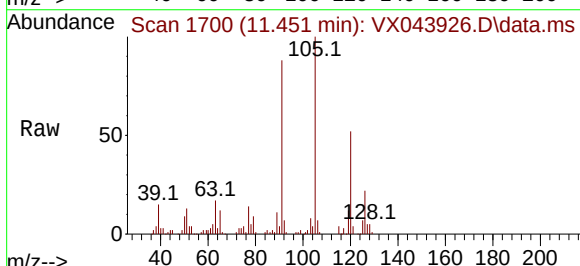
Acq: 21 Nov 2024 10:14

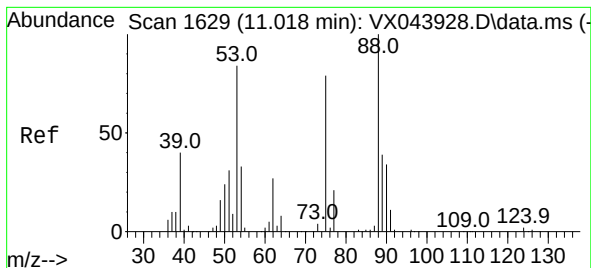
Tgt Ion:105 Resp: 30114

Ion Ratio Lower Upper

105 100

120 48.6 23.3 69.8

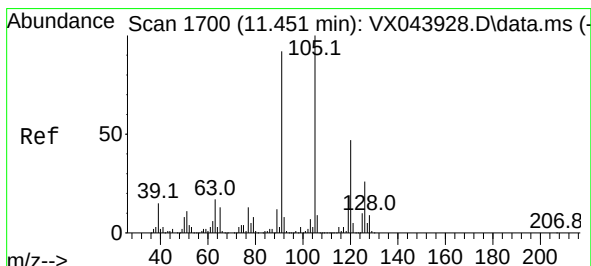
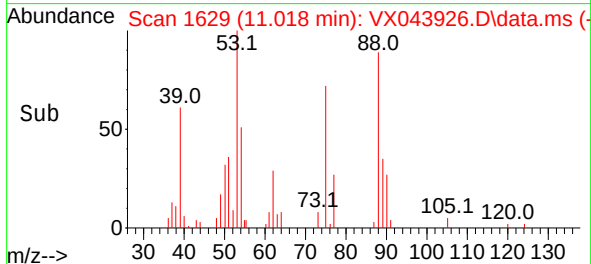
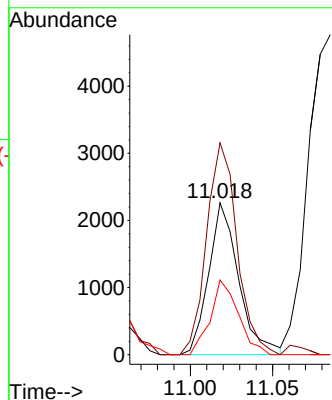
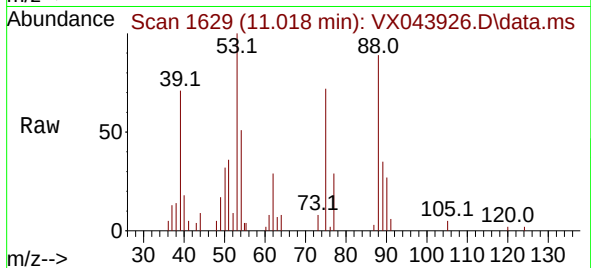




#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

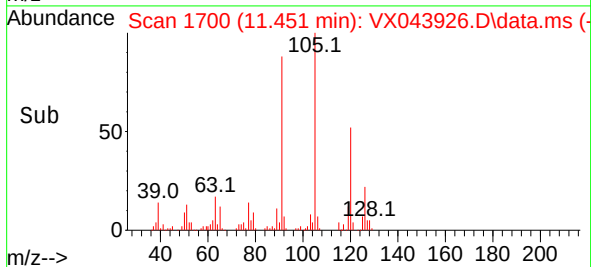
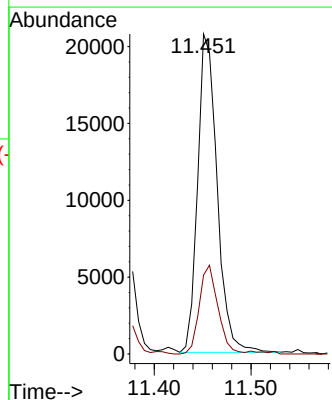
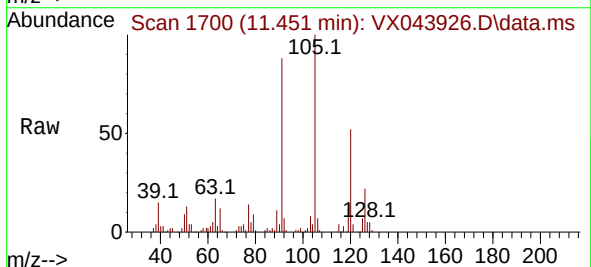
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

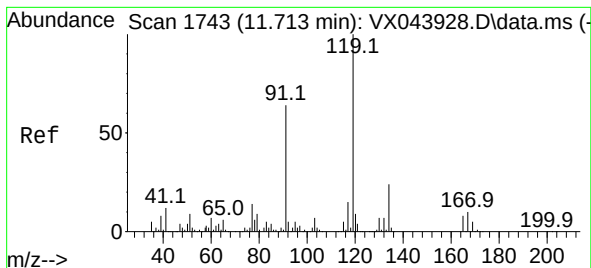
Tgt Ion: 75 Resp: 2880
Ion Ratio Lower Upper
75 100
53 141.1 86.7 130.1#
89 45.9 38.2 57.2



#82
4-Chlorotoluene
Concen: 4.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049
Ion Ratio Lower Upper
91 100
126 26.7 14.3 42.9

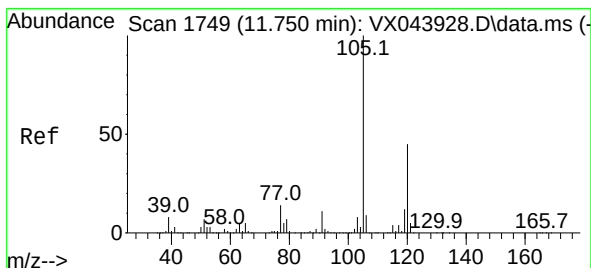
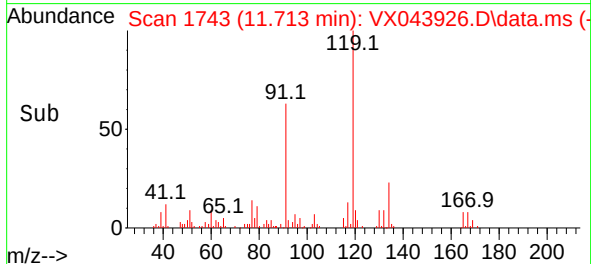
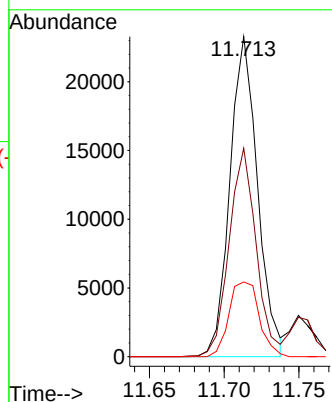
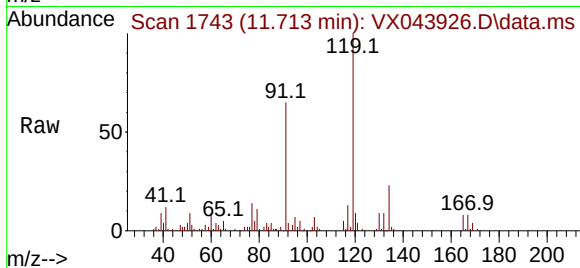




#83
tert-Butylbenzene
Concen: 4.940 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

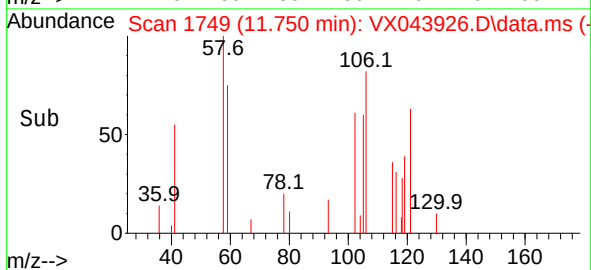
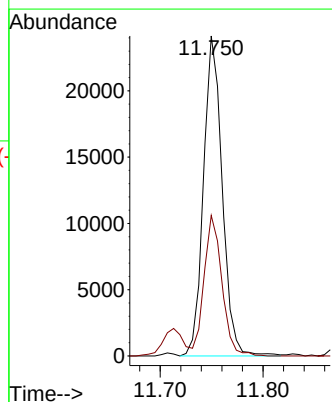
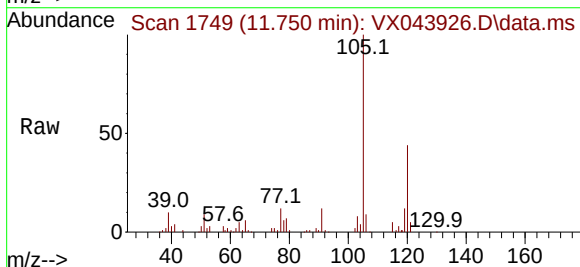
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

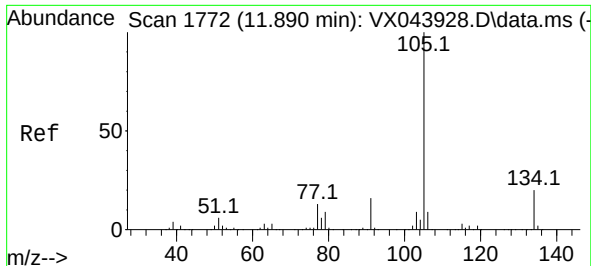
Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.0	93.0
134	25.6	11.6	34.8



#84
1,2,4-Trimethylbenzene
Concen: 5.040 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.6	21.9	65.7

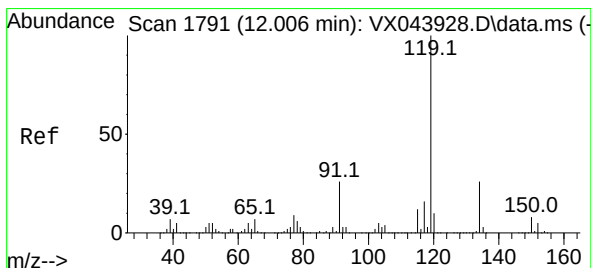
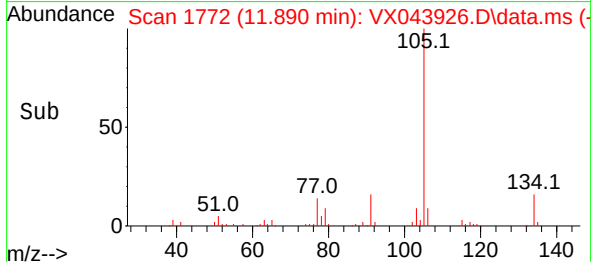
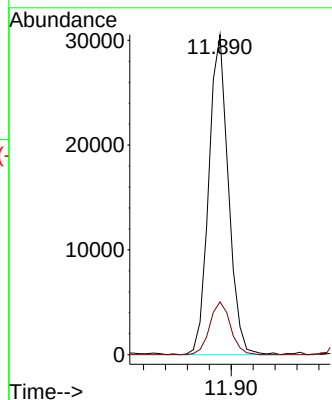
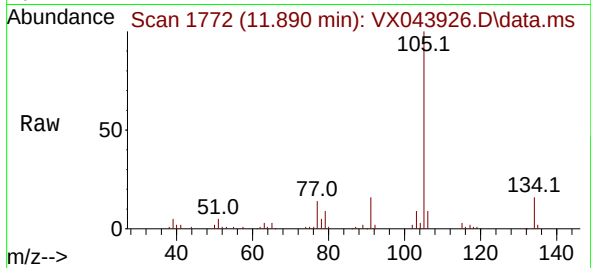




#85
sec-Butylbenzene
Concen: 5.105 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

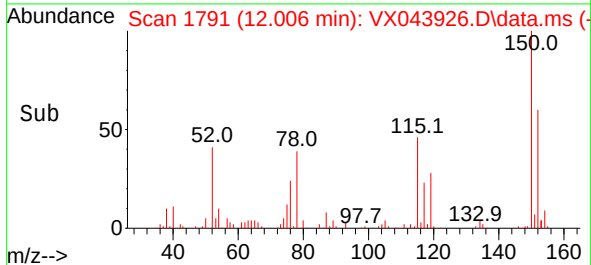
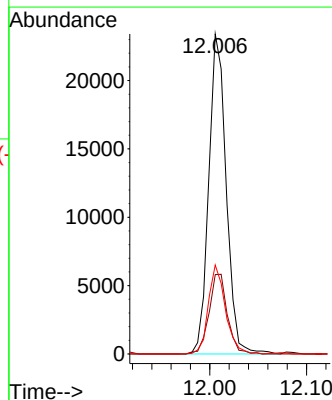
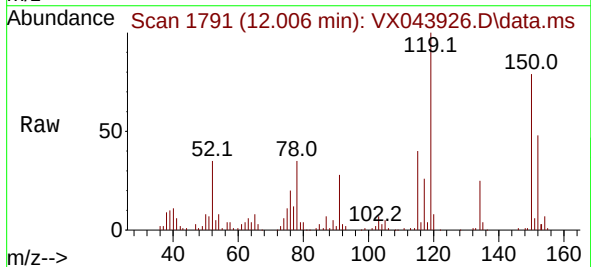
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

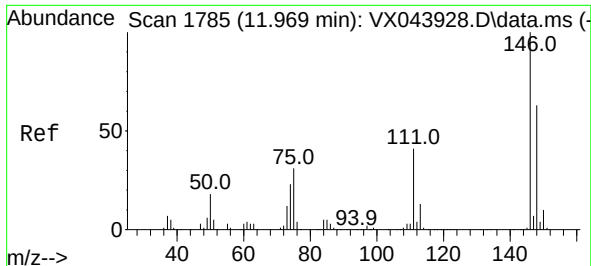
Tgt Ion:105 Resp: 37899
Ion Ratio Lower Upper
105 100
134 17.5 9.7 29.1



#86
p-Isopropyltoluene
Concen: 4.878 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412
Ion Ratio Lower Upper
119 100
134 26.2 13.0 38.9
91 27.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 4.959 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

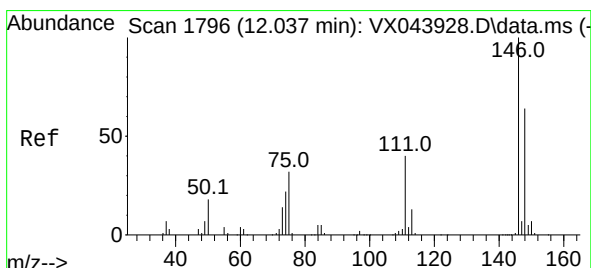
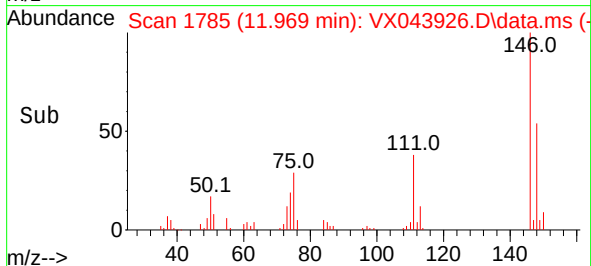
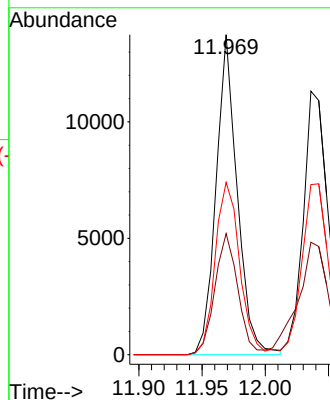
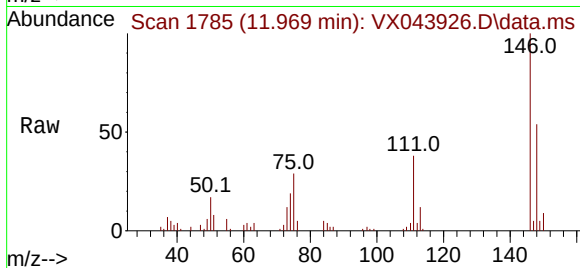
Tgt Ion:146 Resp: 16008

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.3

148 62.9 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 4.831 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

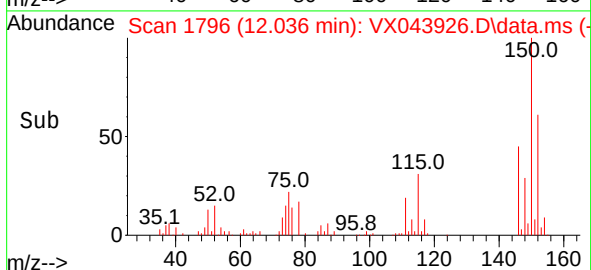
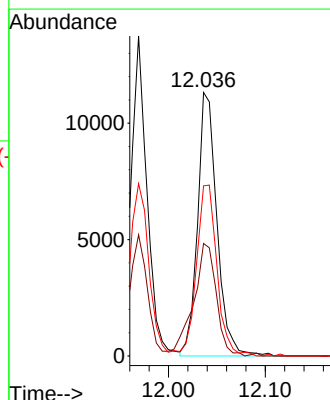
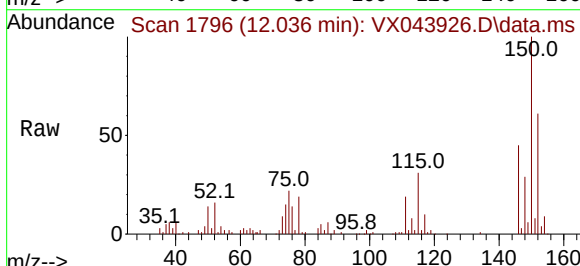
Tgt Ion:146 Resp: 15837

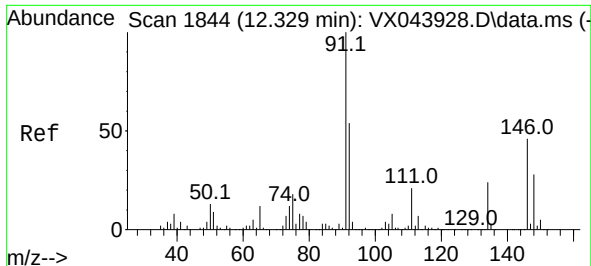
Ion Ratio Lower Upper

146 100

111 50.2 20.1 60.3

148 67.9 30.9 92.8





#89

n-Butylbenzene

Concen: 4.691 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

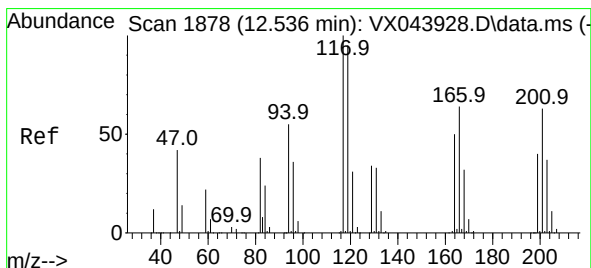
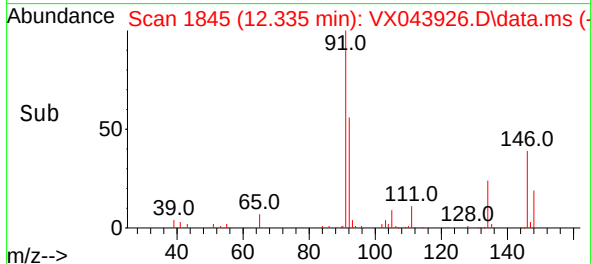
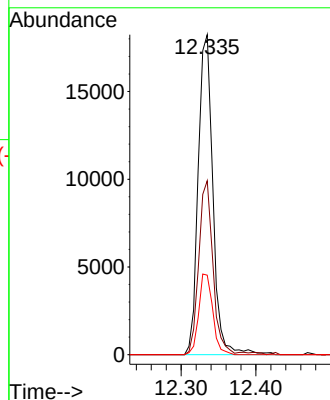
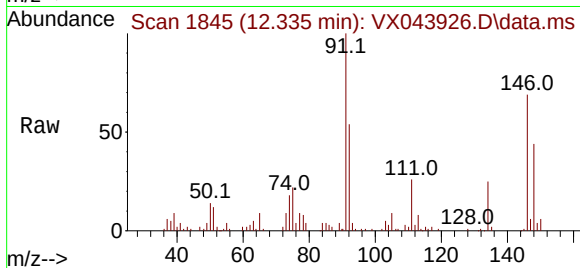
Tgt Ion: 91 Resp: 24938

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.8

134 23.9 12.4 37.2



#90

Hexachloroethane

Concen: 4.173 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043926.D

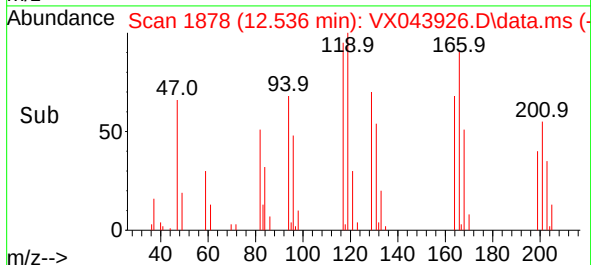
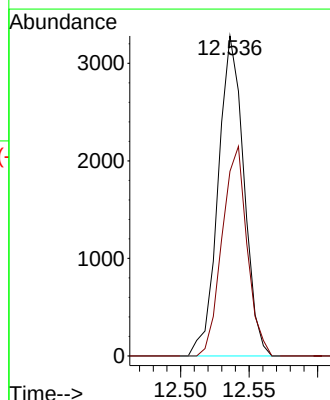
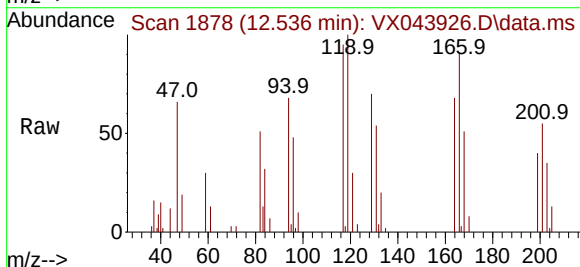
Acq: 21 Nov 2024 10:14

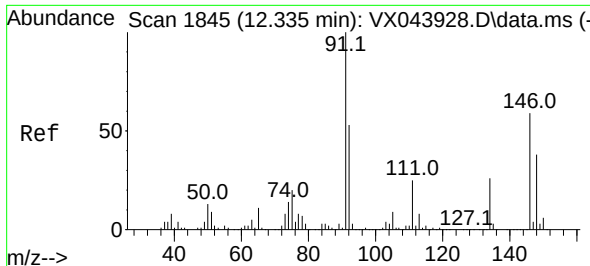
Tgt Ion: 117 Resp: 4279

Ion Ratio Lower Upper

117 100

201 63.6 32.4 97.0

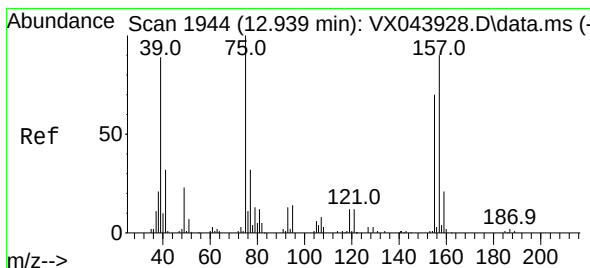
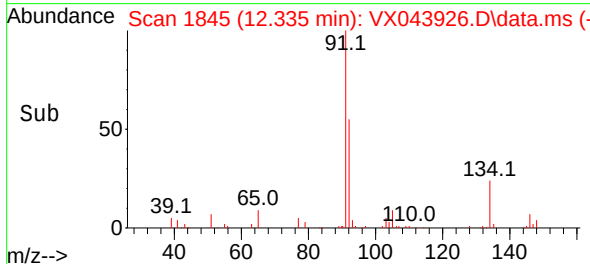
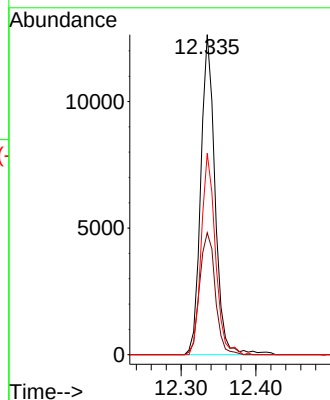
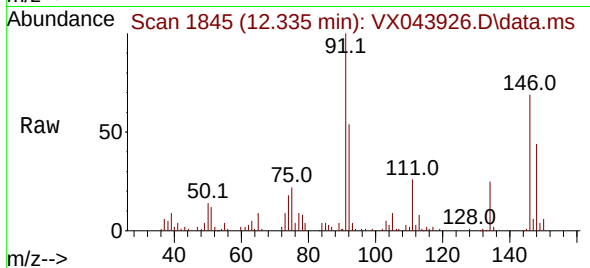




#91
1,2-Dichlorobenzene
Concen: 5.140 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

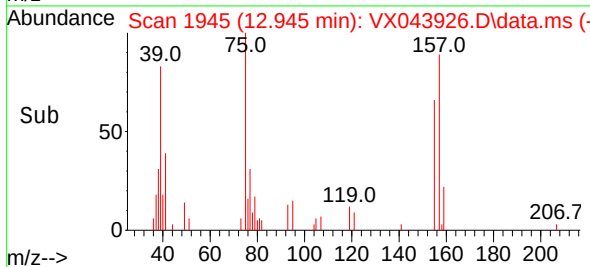
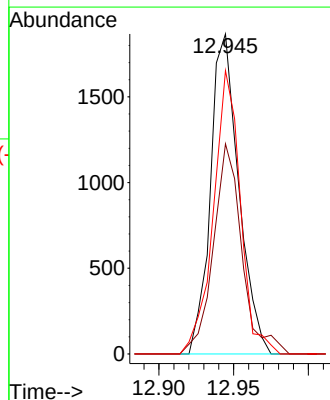
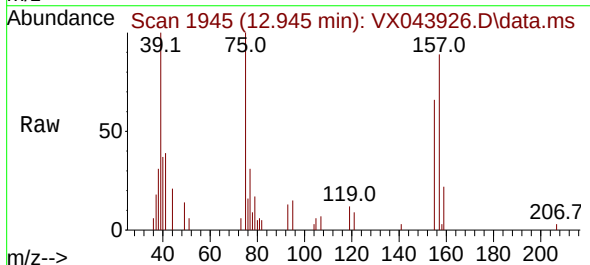
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

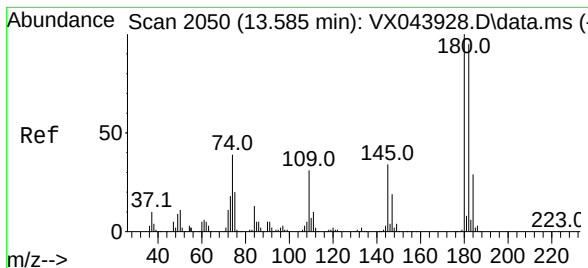
Tgt Ion:146 Resp: 16747
Ion Ratio Lower Upper
146 100
111 41.5 21.5 64.5
148 62.4 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.814 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454
Ion Ratio Lower Upper
75 100
155 66.2 40.1 120.2
157 84.5 49.6 149.0

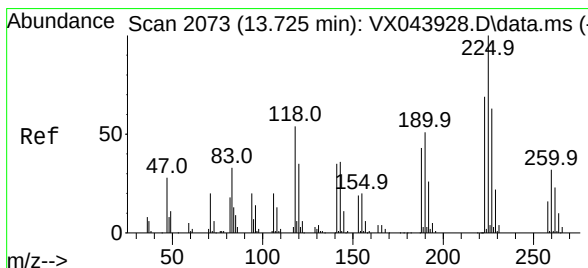
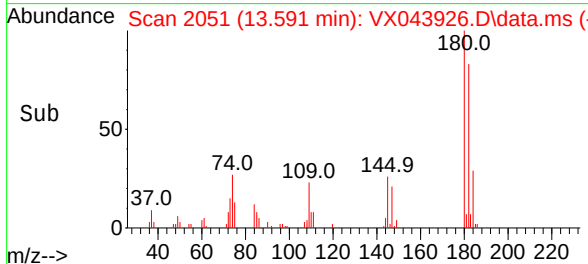
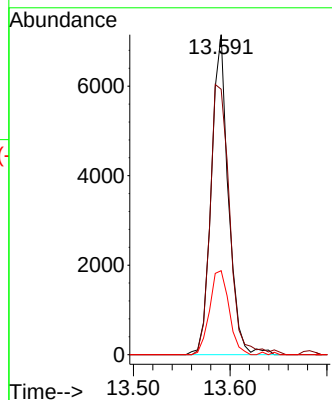
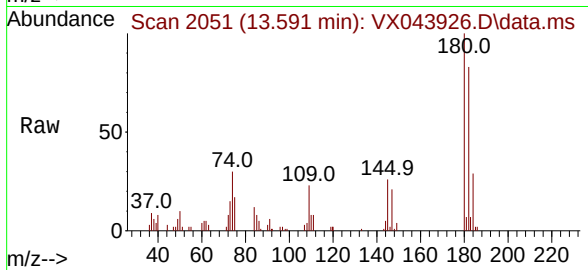




#93
1,2,4-Trichlorobenzene
Concen: 4.553 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

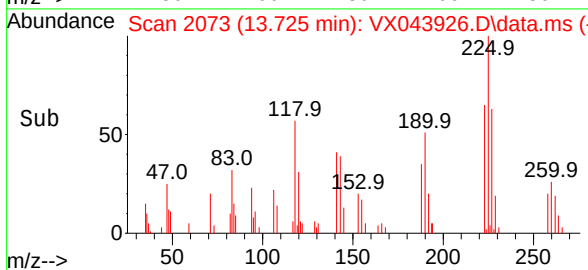
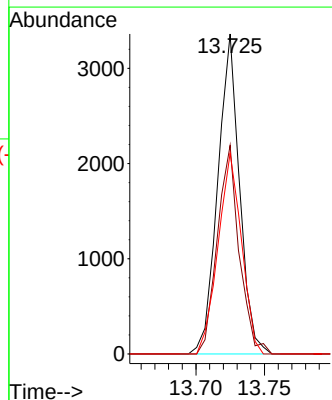
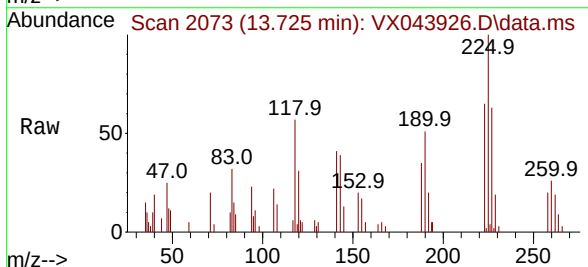
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

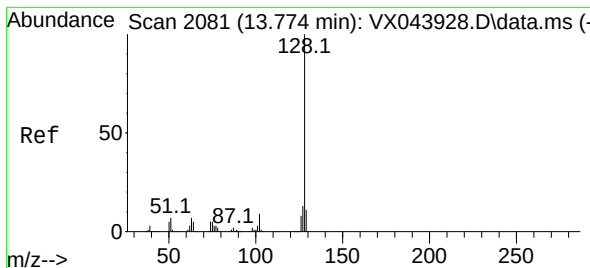
Tgt Ion:	180	Resp:	8746
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.0	16.8	50.4



#94
Hexachlorobutadiene
Concen: 4.891 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:	225	Resp:	3713
Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.9	98.6
227	67.5	31.6	94.8





#95

Naphthalene

Concen: 4.698 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

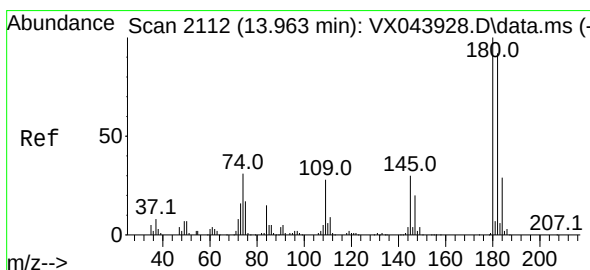
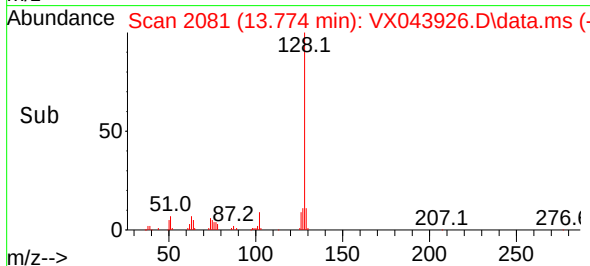
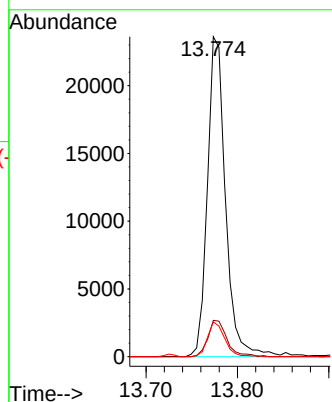
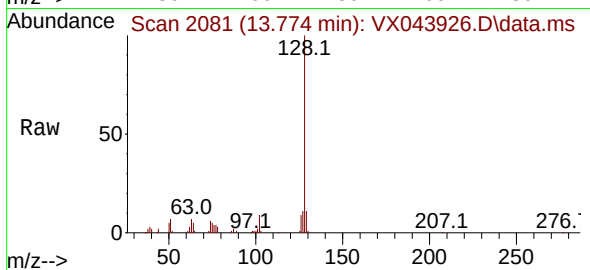
Tgt Ion:128 Resp: 32485

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 10.4 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 4.773 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

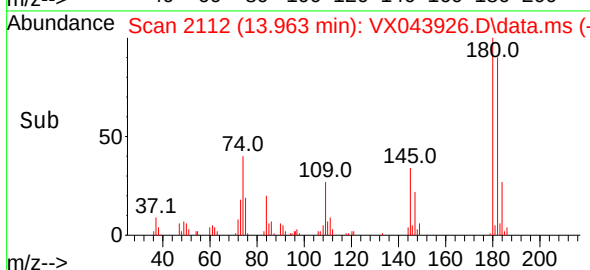
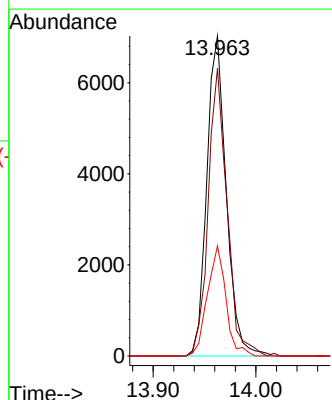
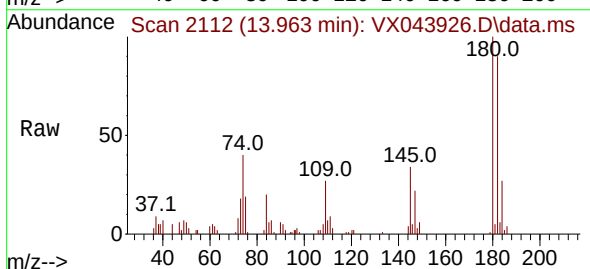
Tgt Ion:180 Resp: 9280

Ion Ratio Lower Upper

180 100

182 86.7 45.6 136.8

145 32.7 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 22 03:29:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	137617	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	247844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48239	20.437	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	40.880%#
35) Dibromofluoromethane	5.385	113	35015	19.772	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	39.540%#
50) Toluene-d8	8.647	98	122646	20.090	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	40.180%#
62) 4-Bromofluorobenzene	11.079	95	41087	19.776	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	39.560%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	35268	20.230	ug/l	99
3) Chloromethane	1.295	50	39622	21.597	ug/l	93
4) Vinyl Chloride	1.374	62	40173	20.587	ug/l	95
5) Bromomethane	1.593	94	24112	20.086	ug/l	98
6) Chloroethane	1.666	64	22213	18.682	ug/l	99
7) Trichlorofluoromethane	1.868	101	73464	21.058	ug/l	99
8) Diethyl Ether	2.136	74	25875	20.349	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	20.001	ug/l	98
10) Methyl Iodide	2.441	142	43047	20.712	ug/l	99
11) Tert butyl alcohol	3.002	59	36554	96.484	ug/l	99
12) 1,1-Dichloroethene	2.307	96	32180	20.293	ug/l	96
13) Acrolein	2.240	56	35249	88.269	ug/l	98
14) Allyl chloride	2.660	41	53053	20.475	ug/l	96
15) Acrylonitrile	3.069	53	94417	102.265	ug/l	100
16) Acetone	2.386	43	110373	101.811	ug/l	95
17) Carbon Disulfide	2.502	76	59349	18.144	ug/l	98
18) Methyl Acetate	2.709	43	50136	19.859	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	121776	21.150	ug/l	98
20) Methylene Chloride	2.788	84	37633	20.456	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	33545	20.489	ug/l	96
22) Diisopropyl ether	3.764	45	119475	21.564	ug/l	96
23) Vinyl Acetate	3.721	43	504408	106.423	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	21.034	ug/l	99
25) 2-Butanone	4.568	43	148152	105.912	ug/l	99
26) 2,2-Dichloropropane	4.471	77	58444	20.246	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	41866	20.688	ug/l	98
28) Bromochloromethane	4.891	49	26507	18.840	ug/l	98
29) Tetrahydrofuran	5.013	42	87736	102.308	ug/l	100
30) Chloroform	5.087	83	72049	20.958	ug/l	97
31) Cyclohexane	5.458	56	53731	20.425	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	62394	21.046	ug/l	99
36) 1,1-Dichloropropene	5.684	75	44465	20.149	ug/l	99
37) Ethyl Acetate	4.715	43	54426	19.868	ug/l	99
38) Carbon Tetrachloride	5.672	117	48701	19.640	ug/l	98
39) Methylcyclohexane	7.379	83	55958	19.518	ug/l	95
40) Benzene	6.025	78	144401	21.006	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 22 03:29:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28938	20.639	ug/l	95
42) 1,2-Dichloroethane	6.086	62	57981	21.001	ug/l	99
43) Isopropyl Acetate	6.349	43	88577	20.318	ug/l	100
44) Trichloroethene	7.117	130	36440	18.726	ug/l	87
45) 1,2-Dichloropropane	7.428	63	35791	21.258	ug/l	95
46) Dibromomethane	7.580	93	27799	20.873	ug/l	98
47) Bromodichloromethane	7.818	83	49665	20.792	ug/l	97
48) Methyl methacrylate	7.690	41	41962	20.059	ug/l	98
49) 1,4-Dioxane	7.665	88	12071	334.681	ug/l #	77
51) 4-Methyl-2-Pentanone	8.574	43	278479	104.673	ug/l	100
52) Toluene	8.714	92	87569	21.284	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	50294	20.648	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	56407	21.124	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	37148	21.872	ug/l	95
56) Ethyl methacrylate	9.116	69	56585	21.390	ug/l	99
57) 1,3-Dichloropropane	9.305	76	61420	21.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	93.712	ug/l	97
59) 2-Hexanone	9.433	43	213629	106.832	ug/l	100
60) Dibromochloromethane	9.519	129	34133	20.030	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36985	21.536	ug/l	99
64) Tetrachloroethene	9.269	164	29274	20.377	ug/l	98
65) Chlorobenzene	10.080	112	96469	20.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	20.848	ug/l	99
67) Ethyl Benzene	10.189	91	166435	20.527	ug/l	99
68) m/p-Xylenes	10.299	106	122658	40.565	ug/l	99
69) o-Xylene	10.640	106	60254	20.409	ug/l	94
70) Styrene	10.653	104	102329	20.956	ug/l	99
71) Bromoform	10.799	173	19329	17.792	ug/l #	96
73) Isopropylbenzene	10.964	105	157405	20.794	ug/l	99
74) N-amyl acetate	10.842	43	73525	20.967	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	20.894	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	58738	27.659	ug/l	82
77) Bromobenzene	11.195	156	37631	20.839	ug/l	99
78) n-propylbenzene	11.305	91	176034	20.821	ug/l	98
79) 2-Chlorotoluene	11.360	91	112986	21.134	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	21.202	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	18.629	ug/l	93
82) 4-Chlorotoluene	11.451	91	125521	20.797	ug/l	99
83) tert-Butylbenzene	11.713	119	128636	20.839	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	132595	21.385	ug/l	99
85) sec-Butylbenzene	11.890	105	156312	20.668	ug/l	99
86) p-Isopropyltoluene	12.006	119	130605	21.260	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.372	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.118	ug/l	96
89) n-Butylbenzene	12.329	91	110491	20.399	ug/l	99
90) Hexachloroethane	12.536	117	19547	18.712	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	67852	20.443	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	19.137	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.862	ug/l	98
94) Hexachlorobutadiene	13.725	225	14818	19.160	ug/l	96
95) Naphthalene	13.774	128	145678	20.681	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.981	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

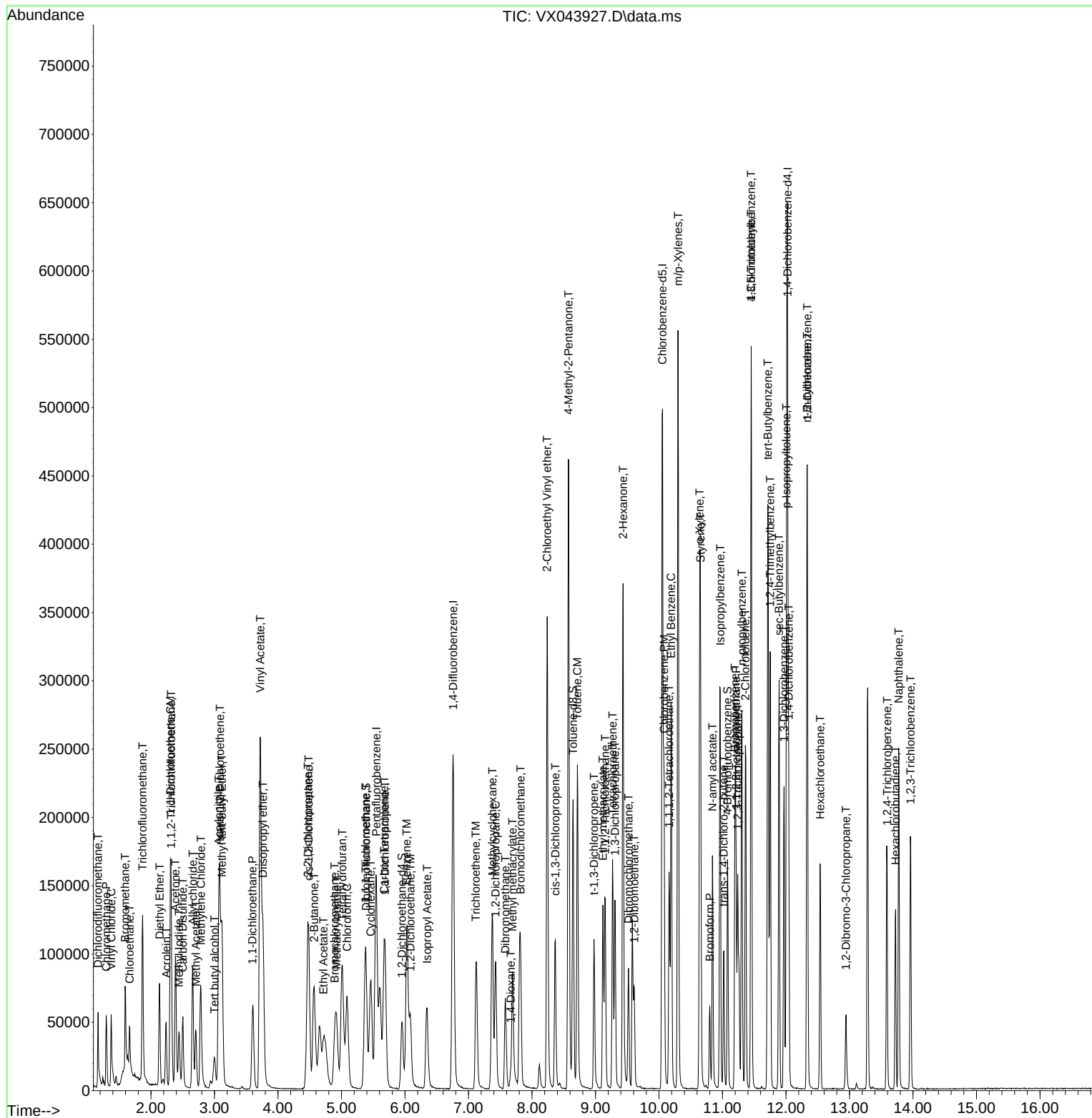
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

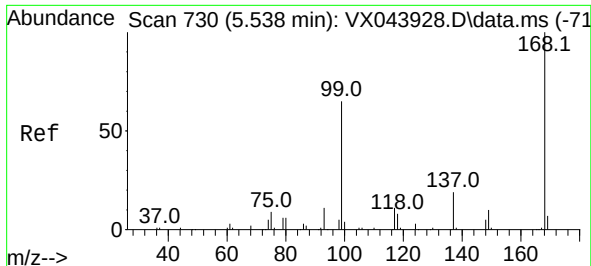
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDIC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

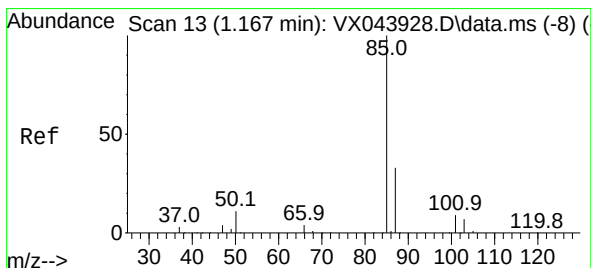
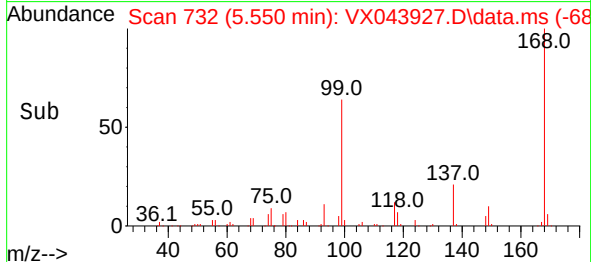
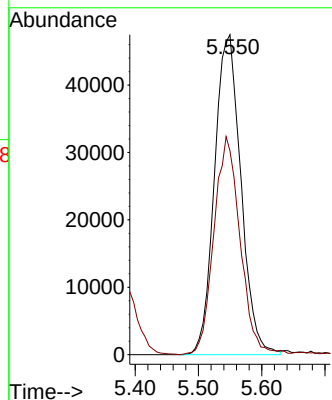
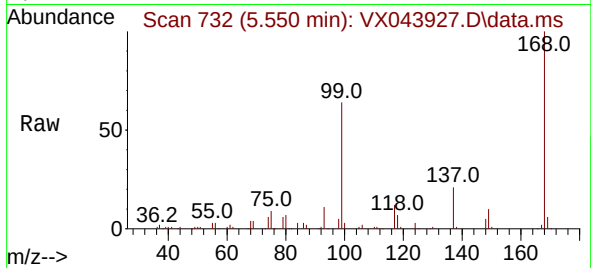




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 730
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

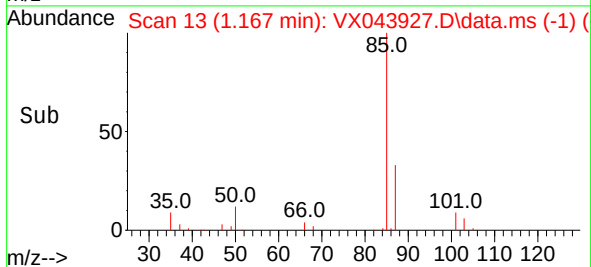
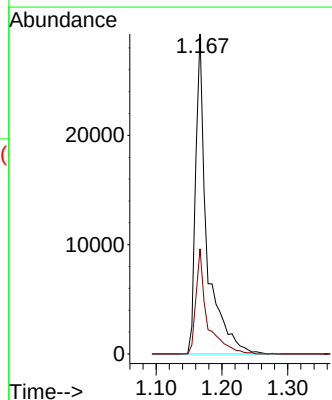
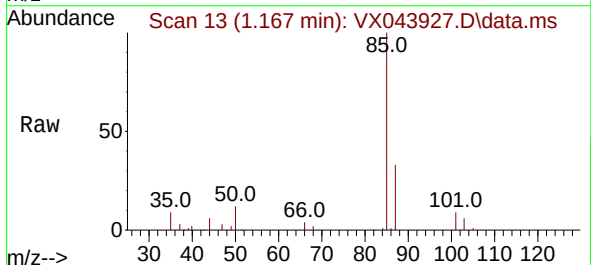
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

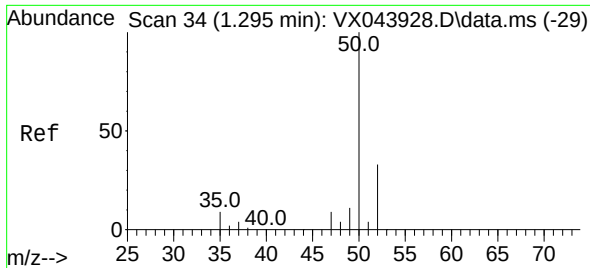
Tgt Ion:168 Resp: 137617
Ion Ratio Lower Upper
168 100
99 63.7 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 20.230 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268
Ion Ratio Lower Upper
85 100
87 32.8 16.6 49.8

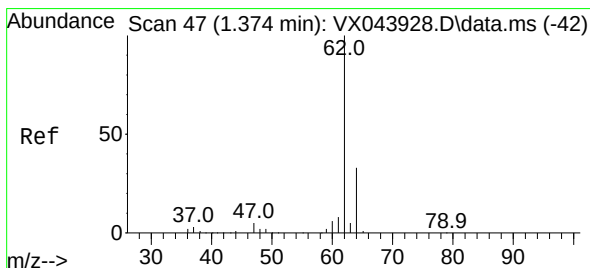
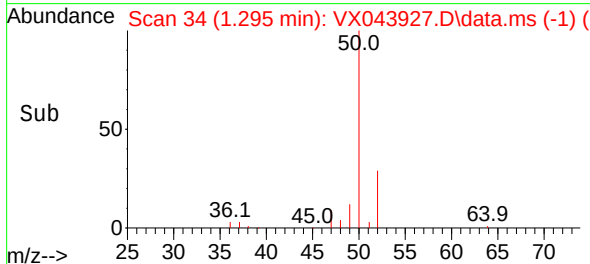
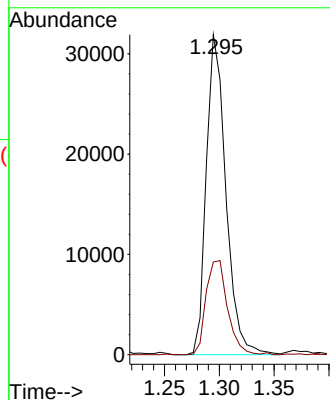
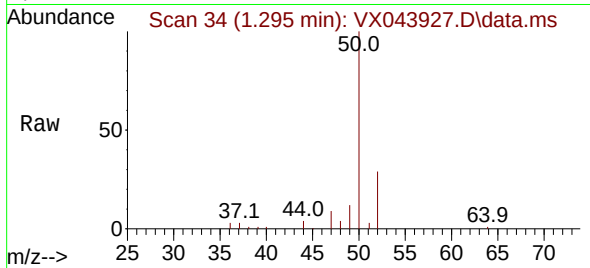




#3
Chloromethane
Concen: 21.597 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

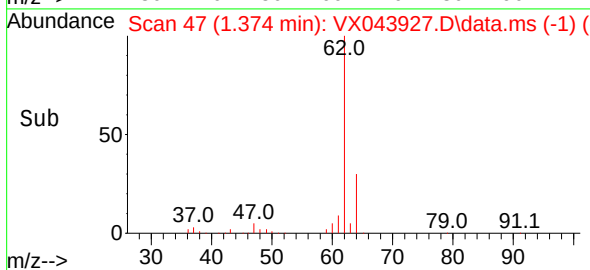
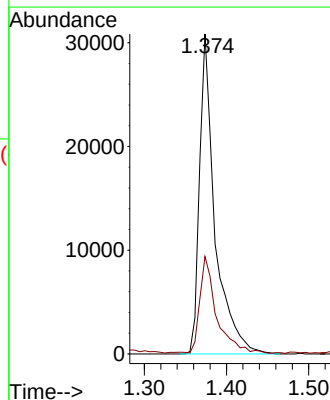
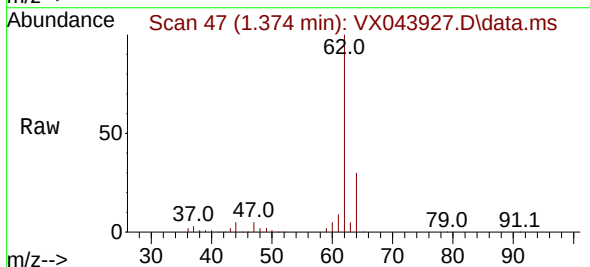
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

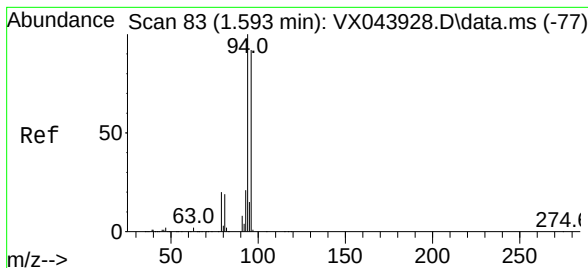
Tgt Ion: 50 Resp: 39622
Ion Ratio Lower Upper
50 100
52 28.9 26.1 39.1



#4
Vinyl Chloride
Concen: 20.587 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173
Ion Ratio Lower Upper
62 100
64 30.0 26.2 39.4

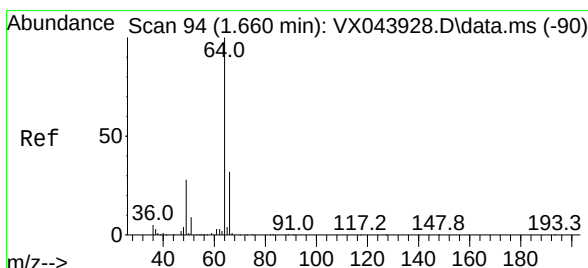
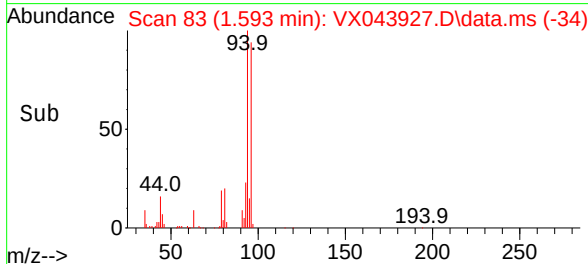
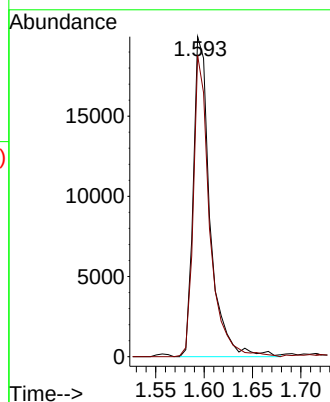
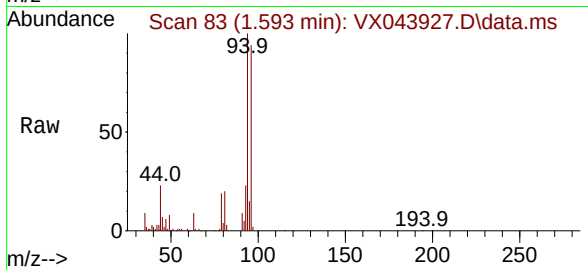




#5
Bromomethane
Concen: 20.086 ug/l
RT: 1.593 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

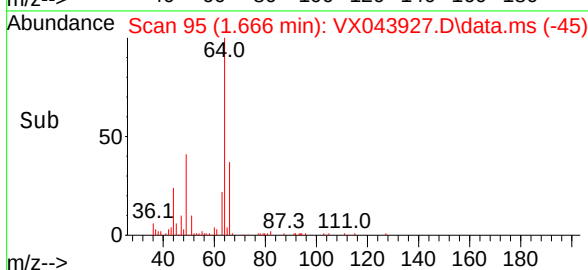
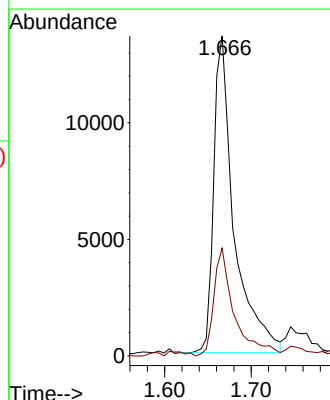
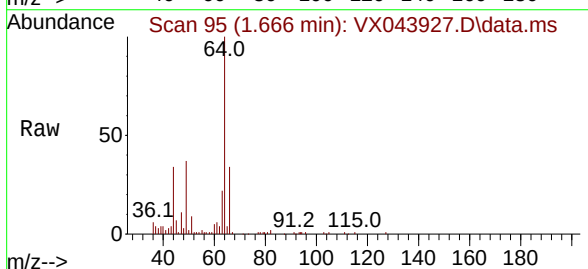
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

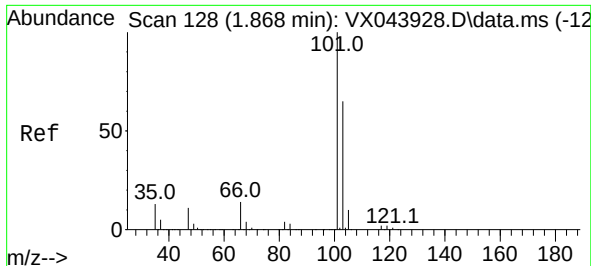
Tgt Ion: 94 Resp: 24112
Ion Ratio Lower Upper
94 100
96 94.1 73.9 110.9



#6
Chloroethane
Concen: 18.682 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

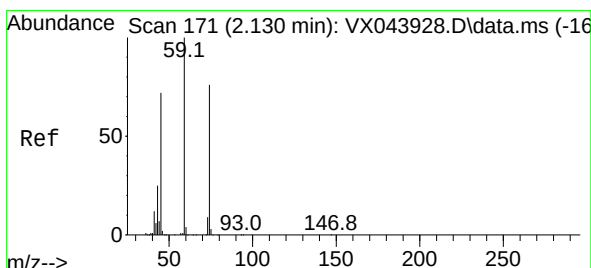
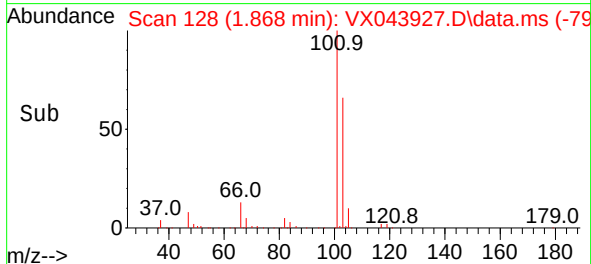
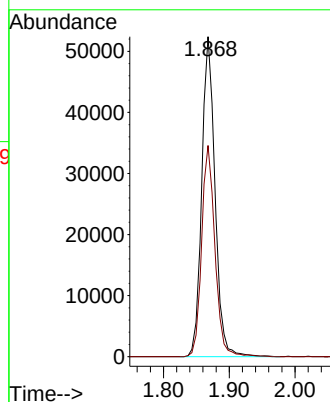
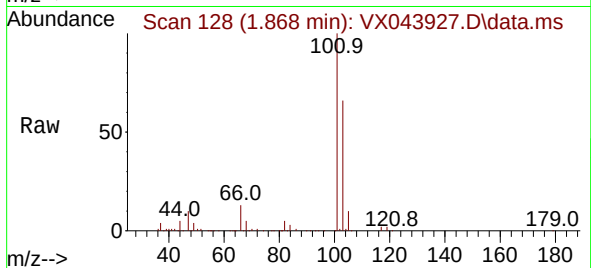




#7
 Trichlorofluoromethane
 Concen: 21.058 ug/l
 RT: 1.868 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043927.D
 Acq: 21 Nov 2024 10:37

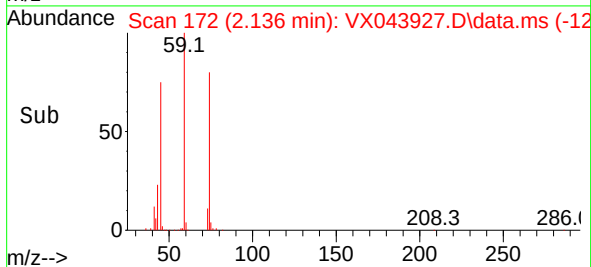
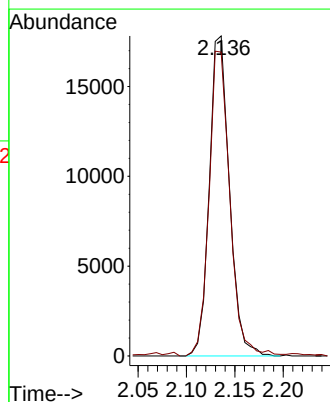
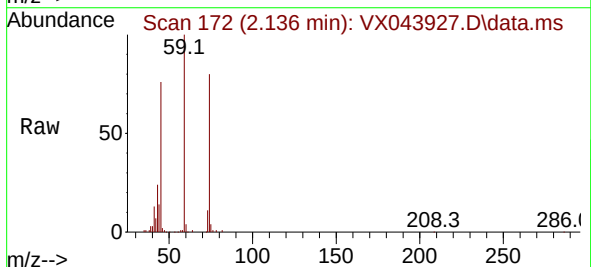
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

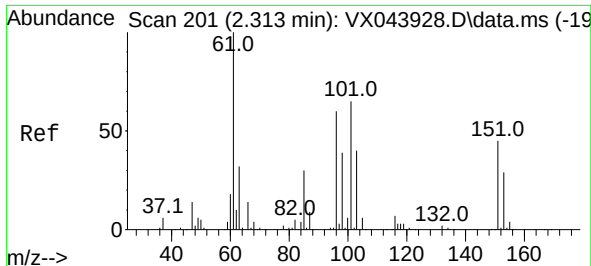
Tgt Ion:101 Resp: 73464
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.2 78.2



#8
 Diethyl Ether
 Concen: 20.349 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VX043927.D
 Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875
 Ion Ratio Lower Upper
 74 100
 45 98.4 47.9 143.6

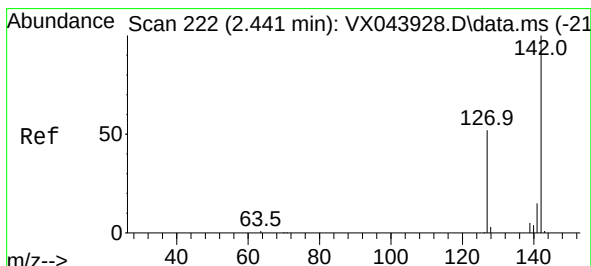
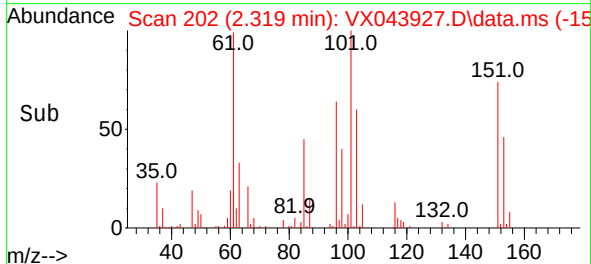
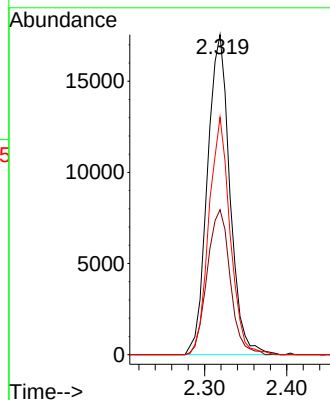
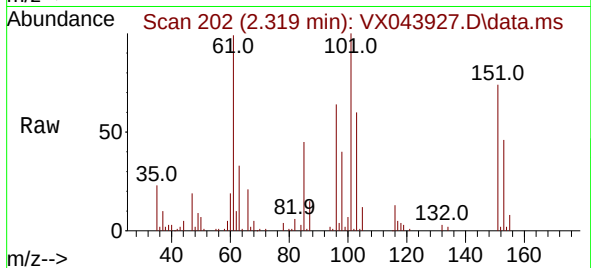




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.001 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

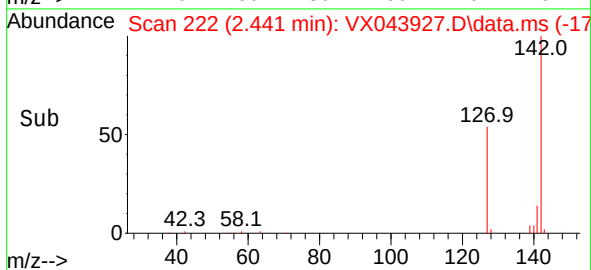
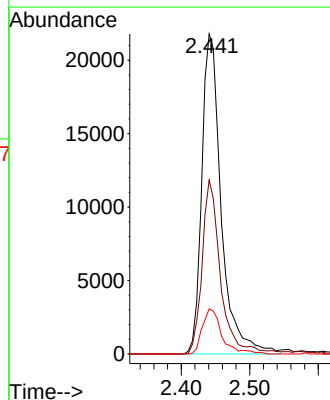
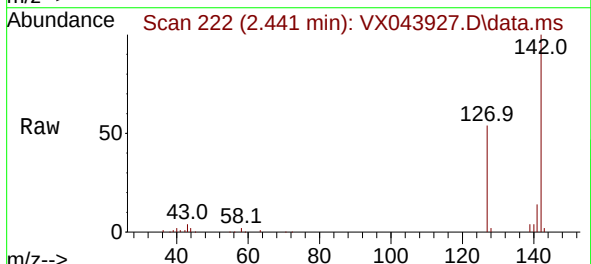
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

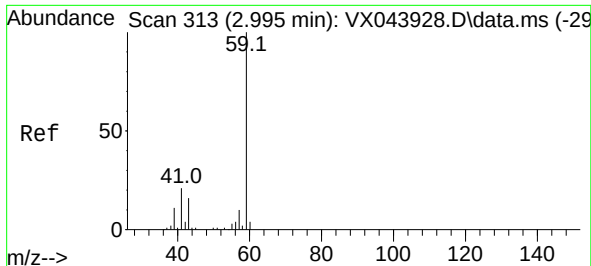
Tgt Ion:101 Resp: 33284
Ion Ratio Lower Upper
101 100
85 46.3 37.9 56.9
151 70.1 57.5 86.3



#10
Methyl Iodide
Concen: 20.712 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047
Ion Ratio Lower Upper
142 100
127 51.8 40.7 61.1
141 14.2 12.0 18.0

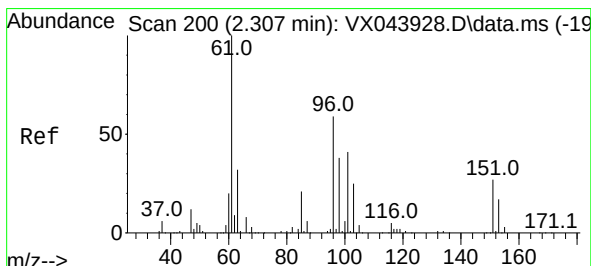
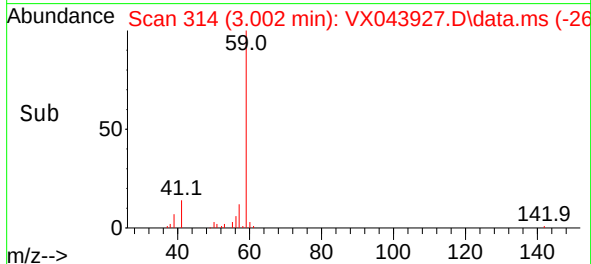
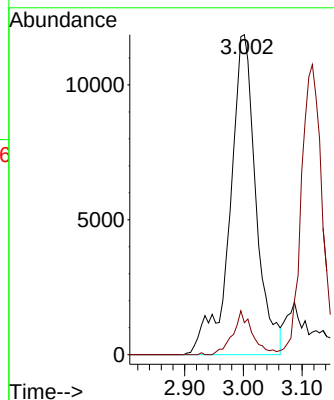
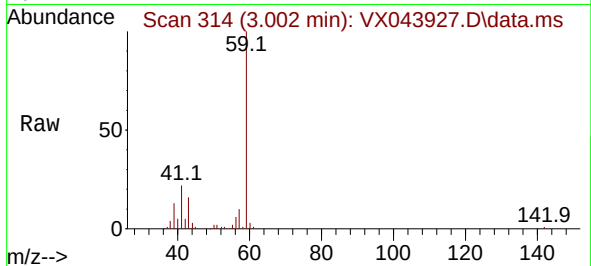




#11
Tert butyl alcohol
Concen: 96.484 ug/l
RT: 3.002 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

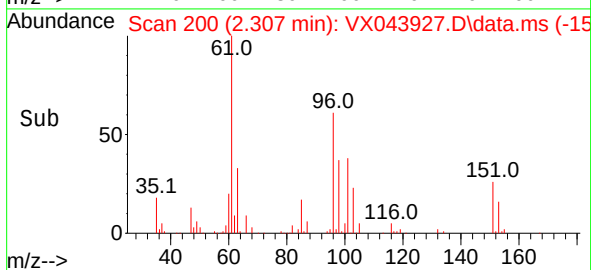
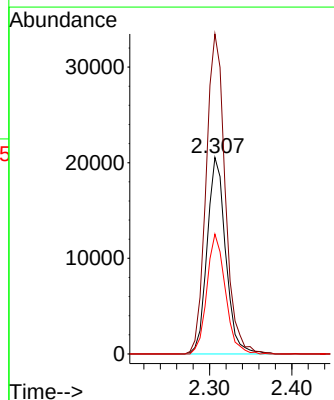
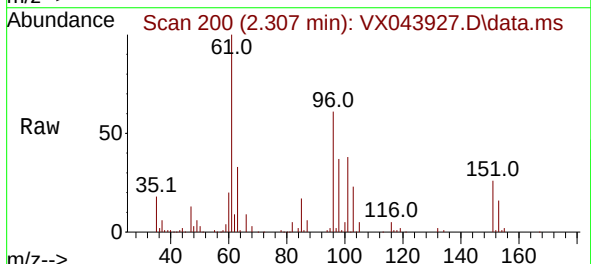
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

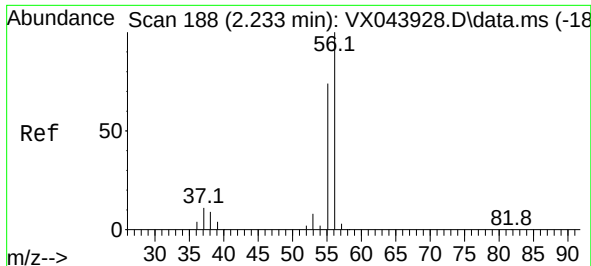
Tgt Ion: 59 Resp: 36554
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9



#12
1,1-Dichloroethene
Concen: 20.293 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 32180
Ion Ratio Lower Upper
96 100
61 162.9 135.5 203.3
98 61.0 50.8 76.2





#13

Acrolein

Concen: 88.269 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

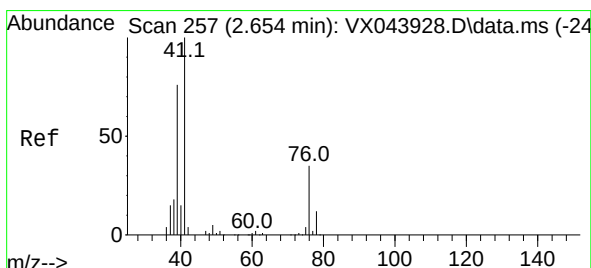
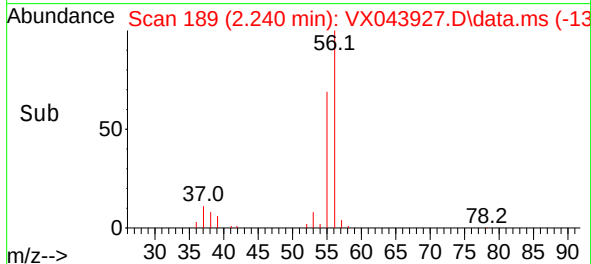
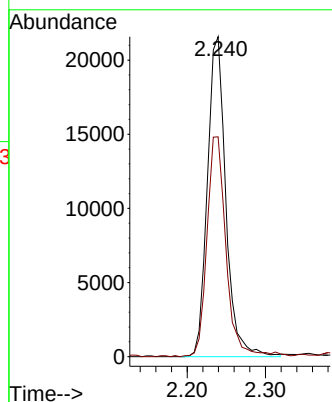
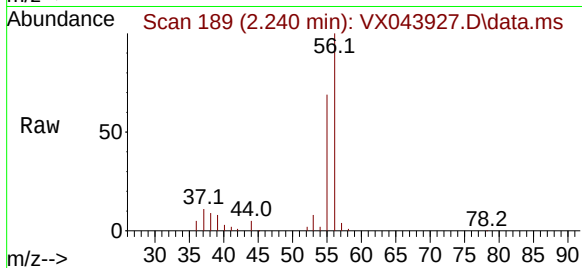
VSTDIC020

Tgt Ion: 56 Resp: 35249

Ion Ratio Lower Upper

56 100

55 71.2 58.2 87.2



#14

Allyl chloride

Concen: 20.475 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

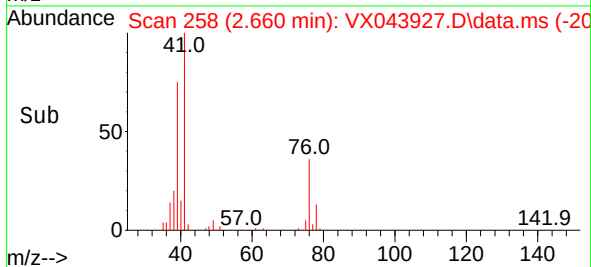
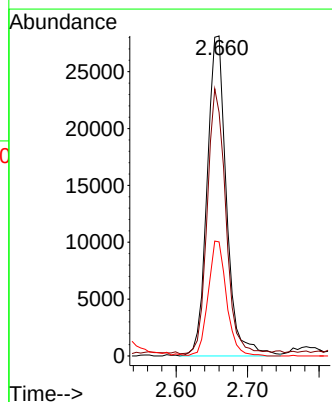
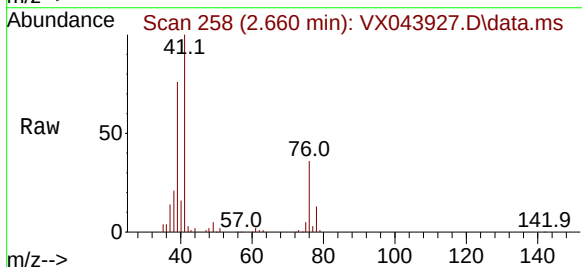
Tgt Ion: 41 Resp: 53053

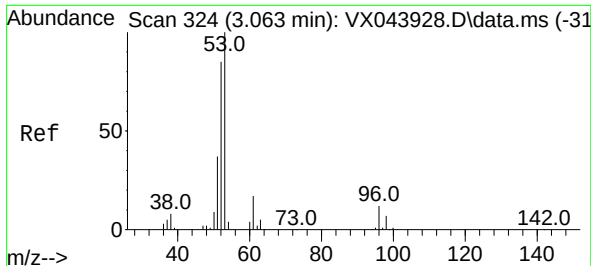
Ion Ratio Lower Upper

41 100

39 78.7 59.5 89.3

76 33.9 27.4 41.2

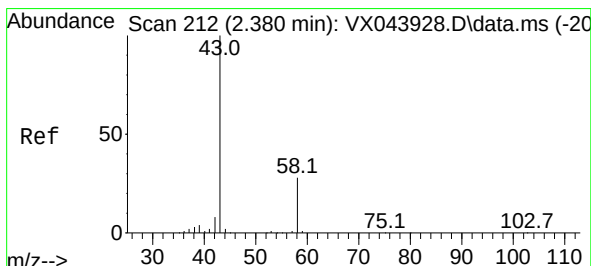
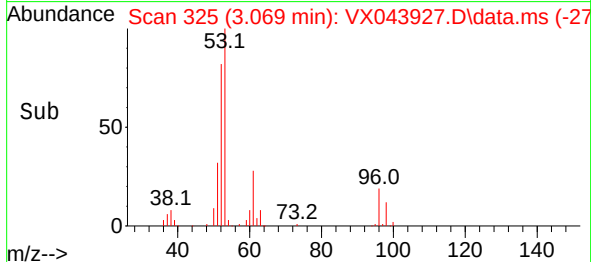
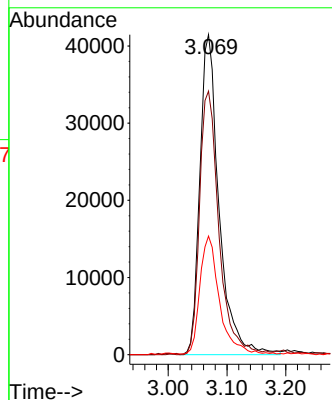
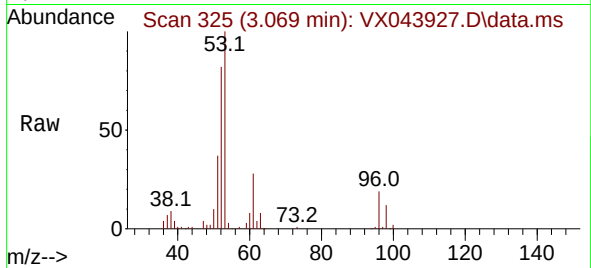




#15
Acrylonitrile
Concen: 102.265 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

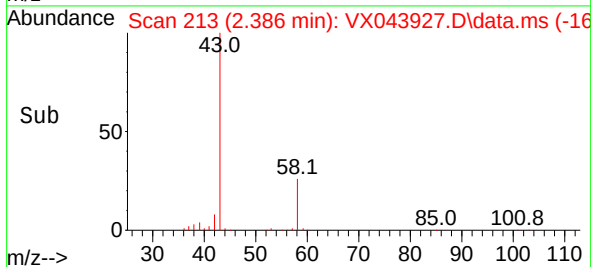
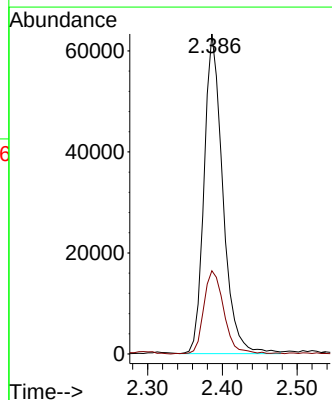
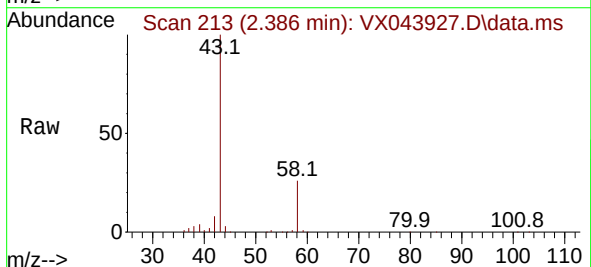
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

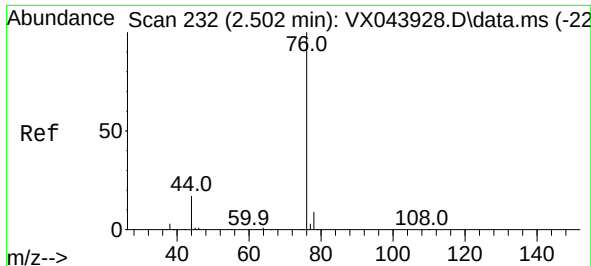
Tgt Ion: 53 Resp: 94417
Ion Ratio Lower Upper
53 100
52 83.1 66.5 99.7
51 37.1 30.2 45.4



#16
Acetone
Concen: 101.811 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373
Ion Ratio Lower Upper
43 100
58 25.9 22.7 34.1

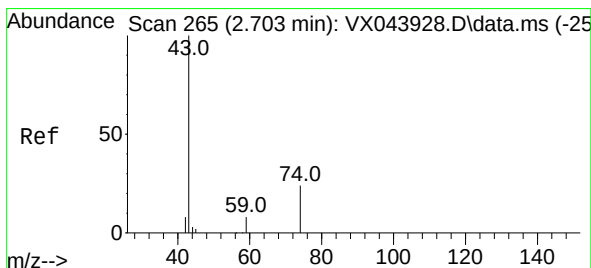
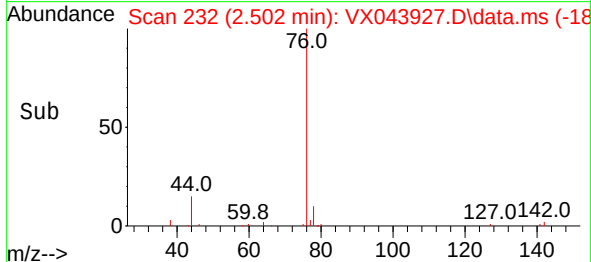
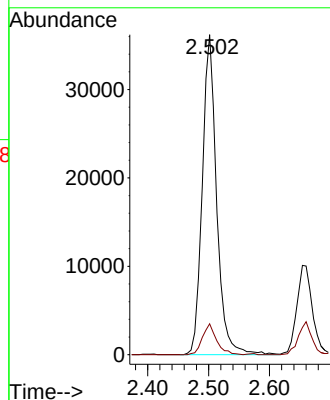
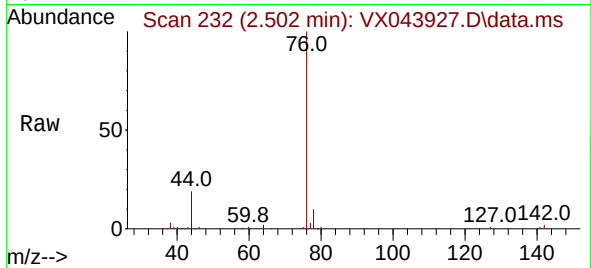




#17
Carbon Disulfide
Concen: 18.144 ug/l
RT: 2.502 min Scan# 241
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

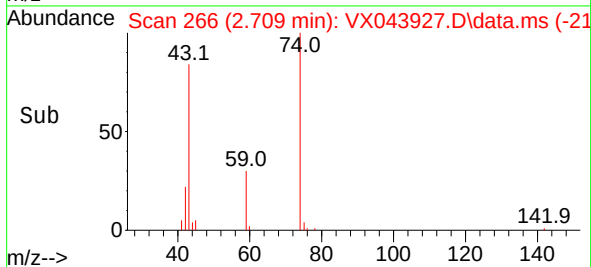
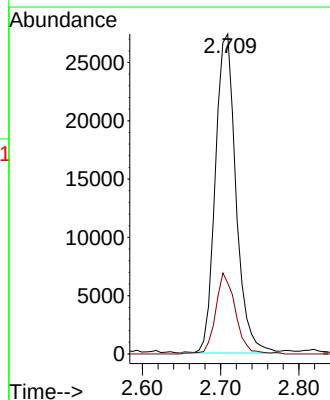
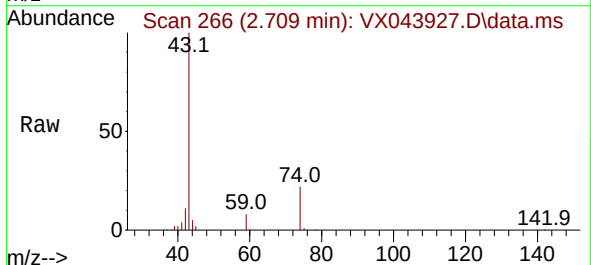
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

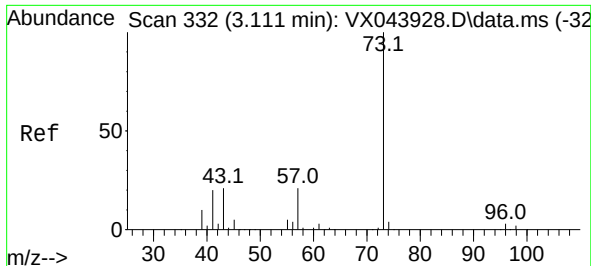
Tgt Ion: 76 Resp: 59349
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 19.859 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 21.150 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

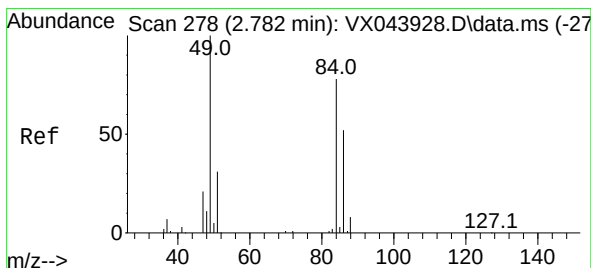
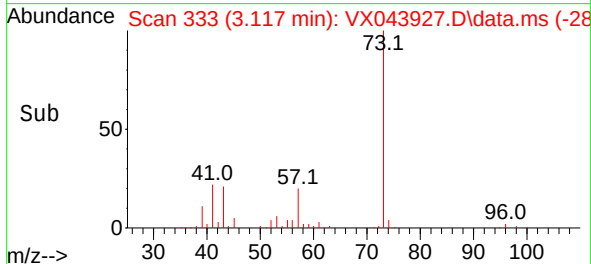
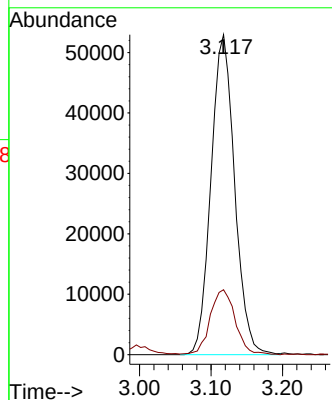
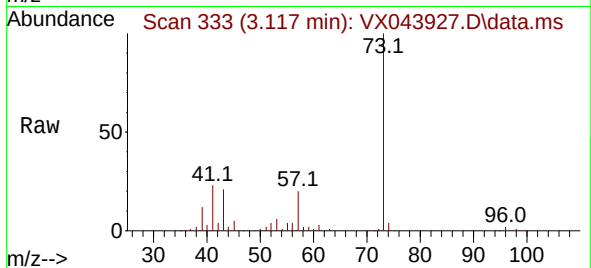
VSTDICC020

Tgt Ion: 73 Resp: 121776

Ion Ratio Lower Upper

73 100

57 20.3 17.0 25.6



#20

Methylene Chloride

Concen: 20.456 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

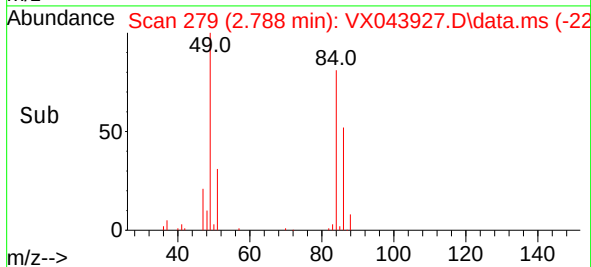
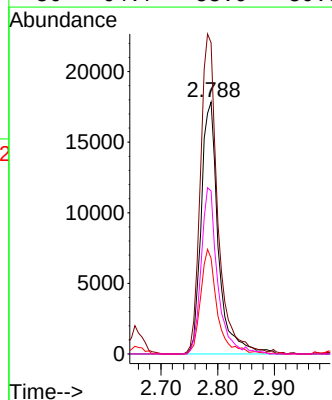
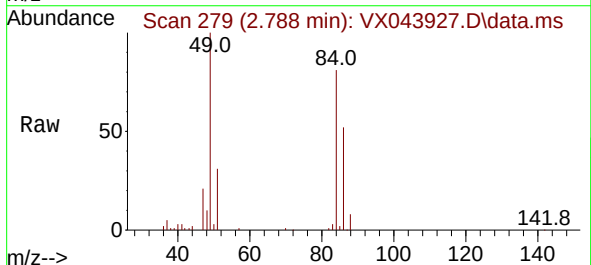
Ion Ratio Lower Upper

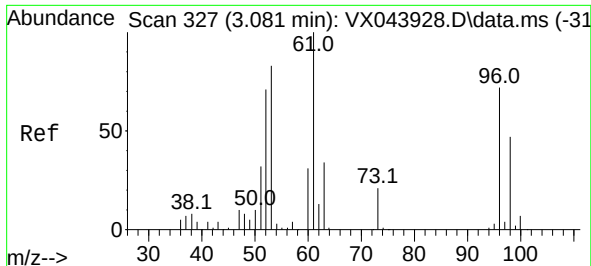
84 100

49 123.5 102.7 154.1

51 38.0 31.7 47.5

86 64.7 53.9 80.9

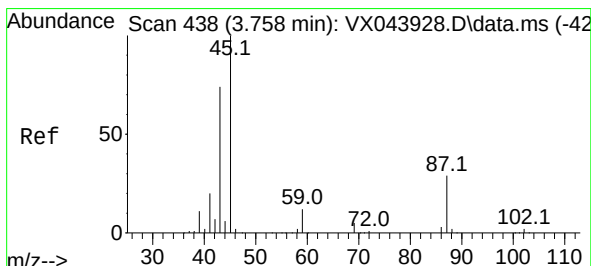
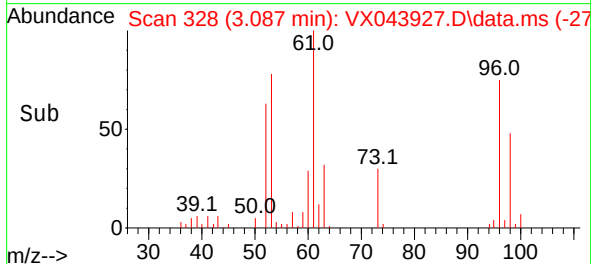
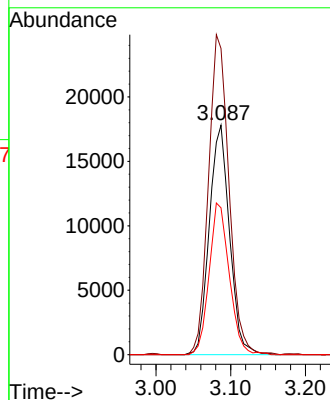
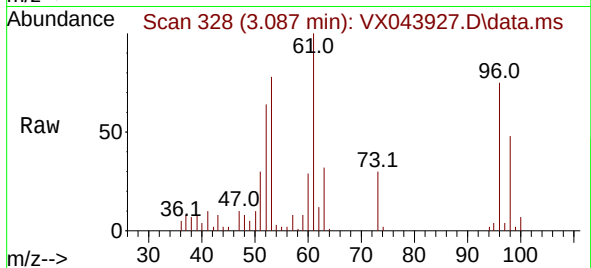




#21
trans-1,2-Dichloroethene
Concen: 20.489 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

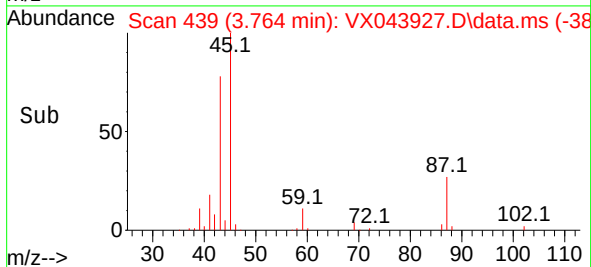
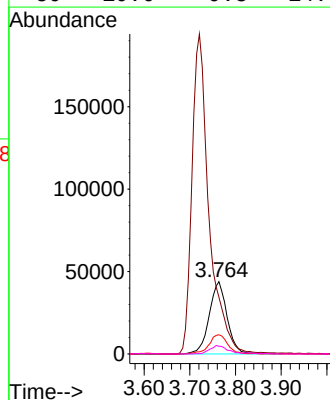
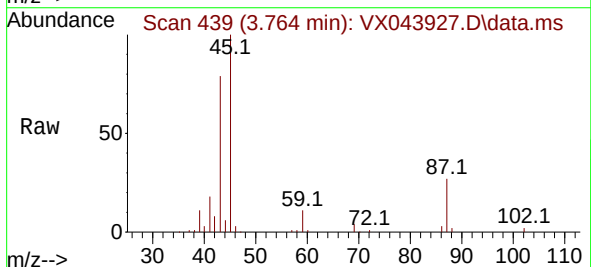
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

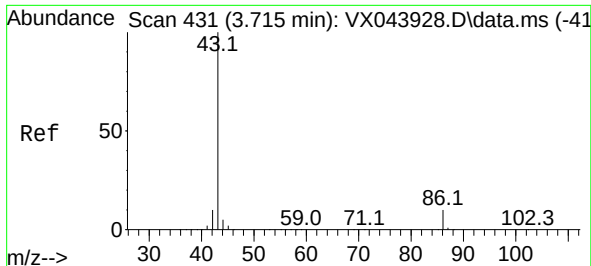
Tgt Ion: 96 Resp: 33545
Ion Ratio Lower Upper
96 100
61 133.4 111.8 167.6
98 64.0 52.7 79.1



#22
Diisopropyl ether
Concen: 21.564 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475
Ion Ratio Lower Upper
45 100
43 77.4 59.6 89.4
87 26.6 22.9 34.3
59 10.6 9.8 14.6

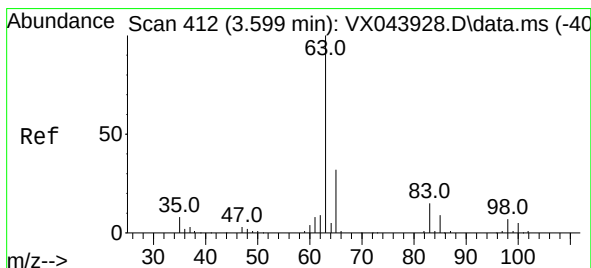
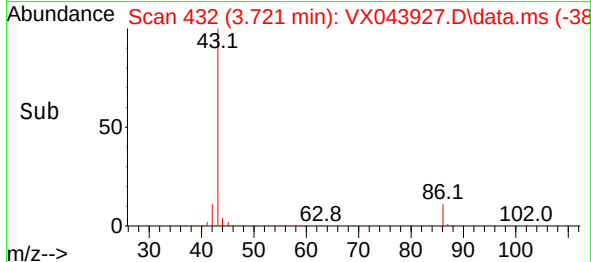
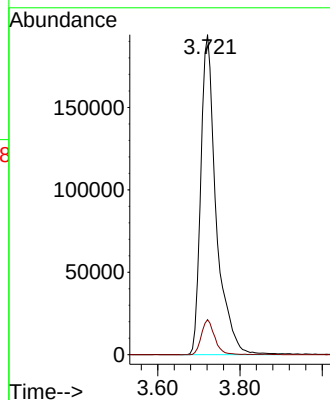
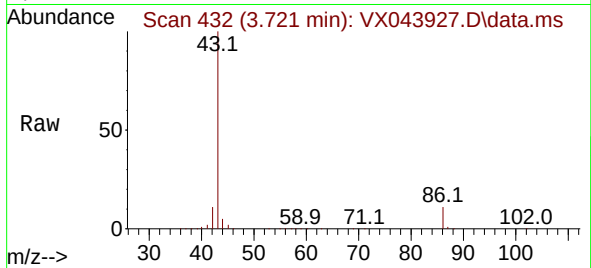




#23
 Vinyl Acetate
 Concen: 106.423 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX043927.D
 Acq: 21 Nov 2024 10:37

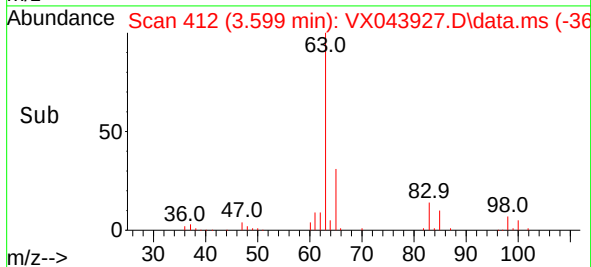
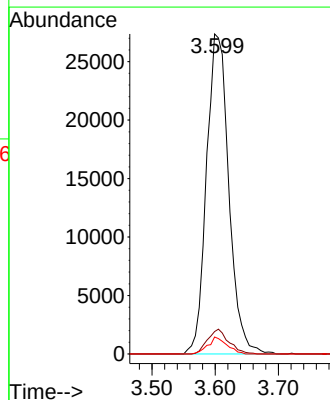
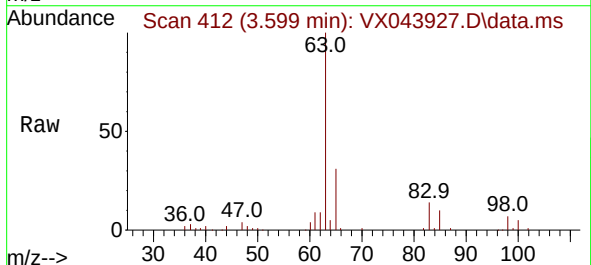
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

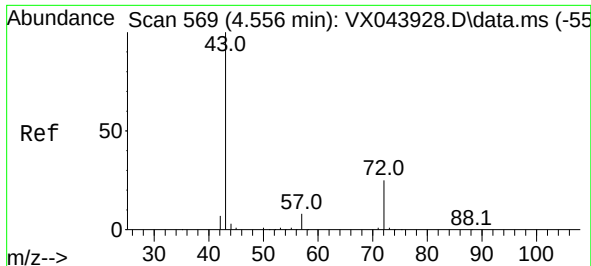
Tgt Ion: 43 Resp: 504408
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 21.034 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VX043927.D
 Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.6
 100 5.3 2.4 7.1





#25

2-Butanone

Concen: 105.912 ug/l

RT: 4.568 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

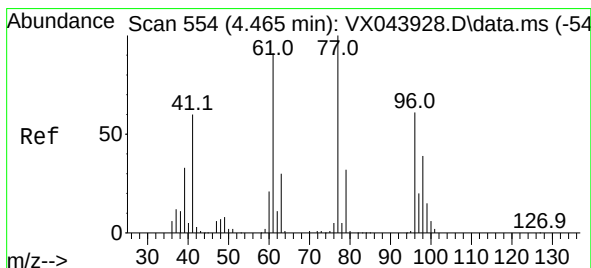
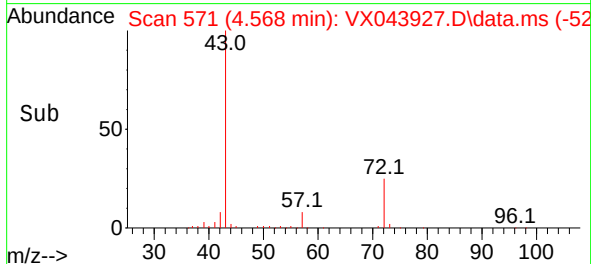
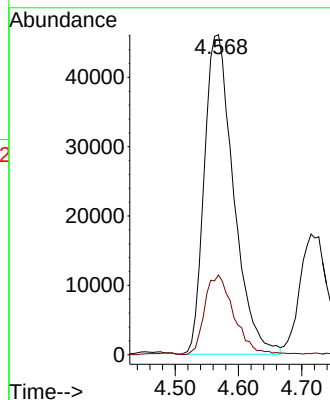
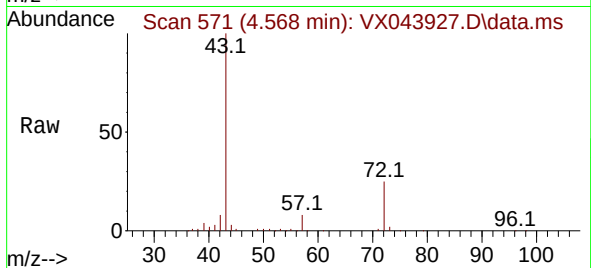
VSTDICC020

Tgt Ion: 43 Resp: 148152

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 20.246 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043927.D

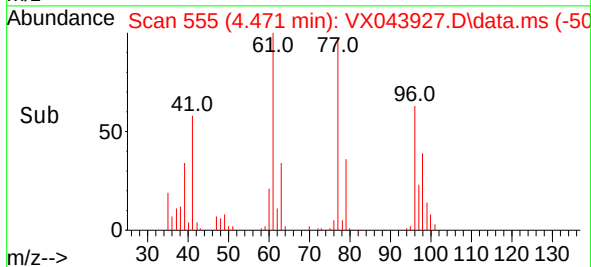
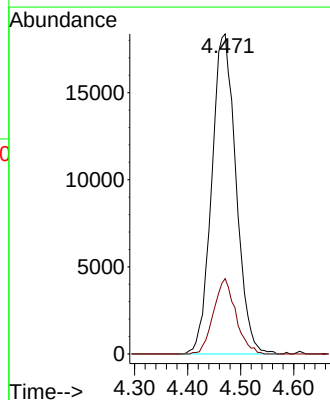
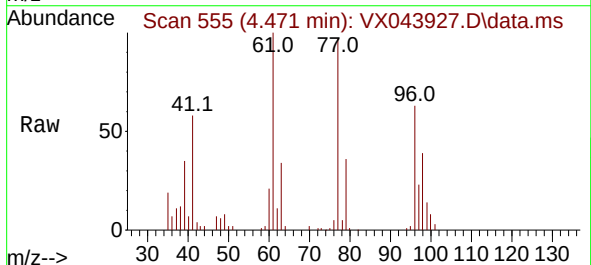
Acq: 21 Nov 2024 10:37

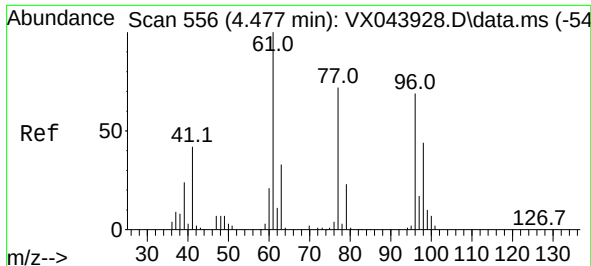
Tgt Ion: 77 Resp: 58444

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3

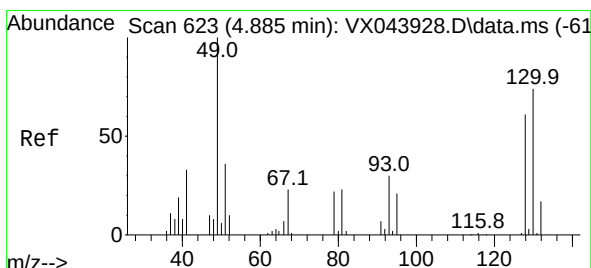
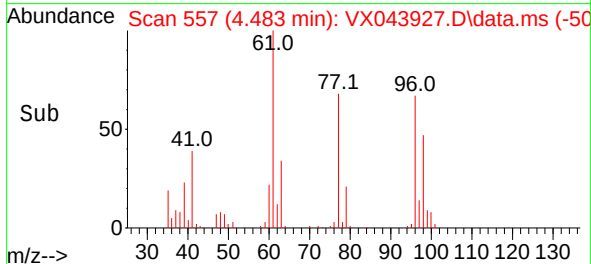
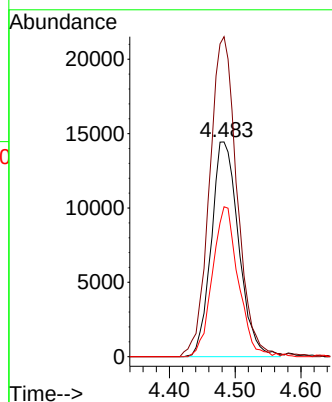
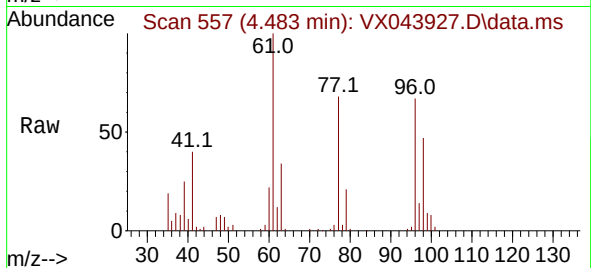




#27
cis-1,2-Dichloroethene
Concen: 20.688 ug/l
RT: 4.483 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

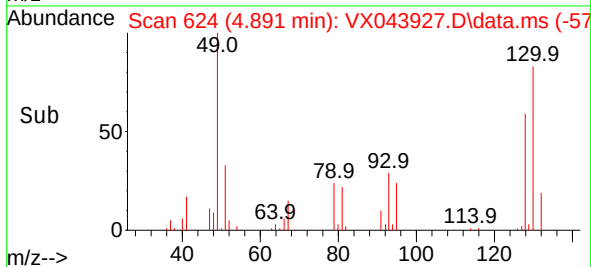
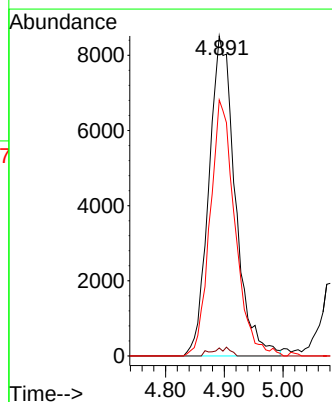
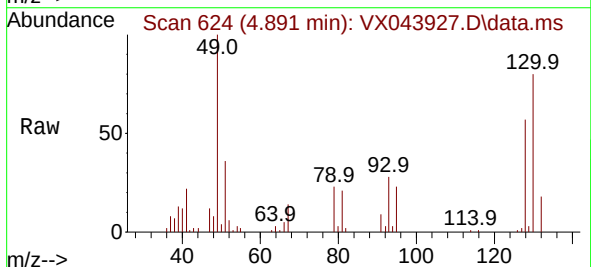
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

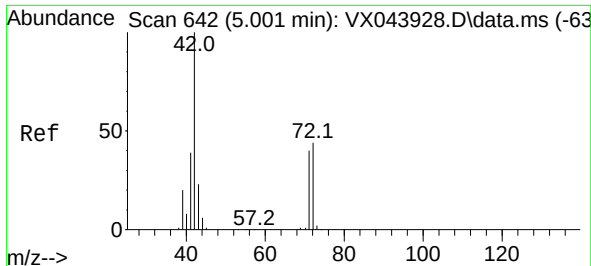
Tgt Ion: 96 Resp: 41866
Ion Ratio Lower Upper
96 100
61 149.9 0.0 297.4
98 66.3 0.0 127.8



#28
Bromochloromethane
Concen: 18.840 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.0
130 75.8 59.0 88.6

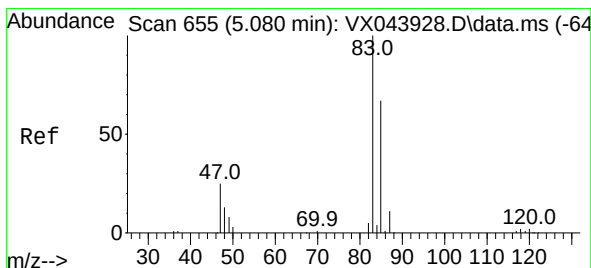
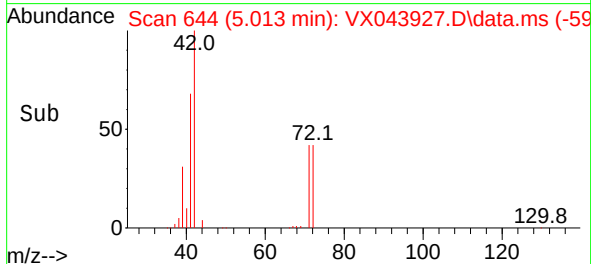
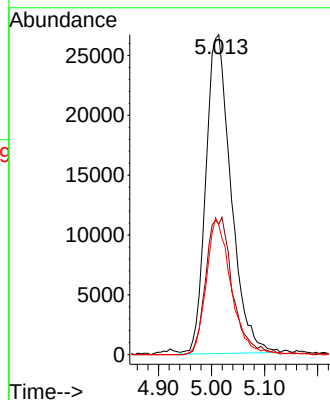
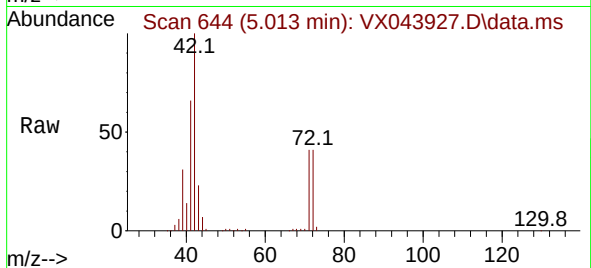




#29
Tetrahydrofuran
Concen: 102.308 ug/l
RT: 5.013 min Scan# 642
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

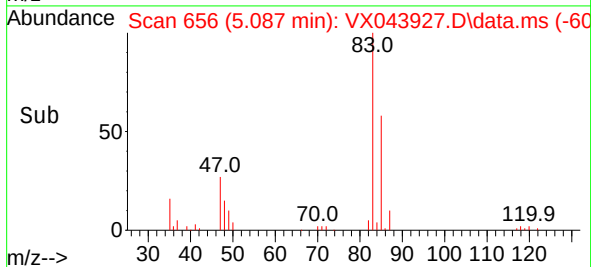
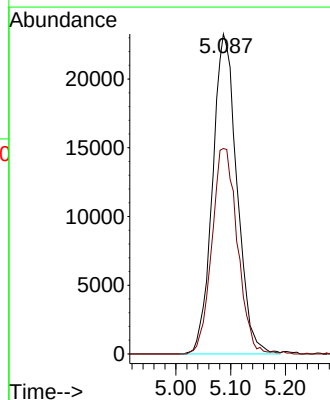
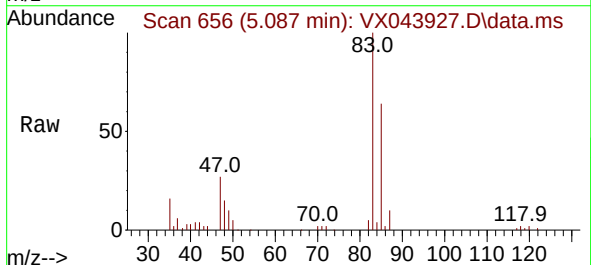
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

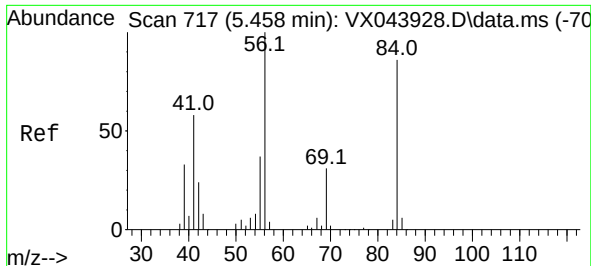
Tgt Ion:	42	Resp:	87736
Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.4	54.6
71	42.0	33.4	50.0



#30
Chloroform
Concen: 20.958 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:	83	Resp:	72049
Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.5	80.3

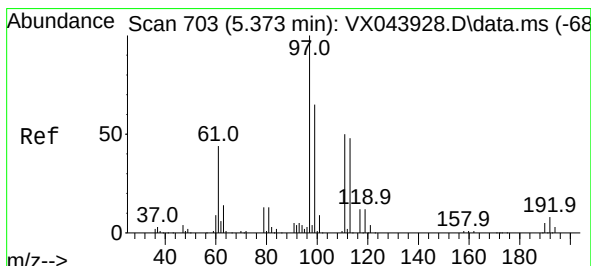
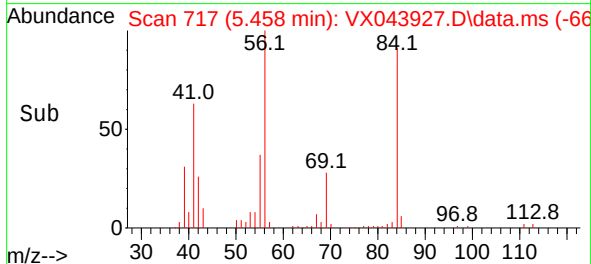
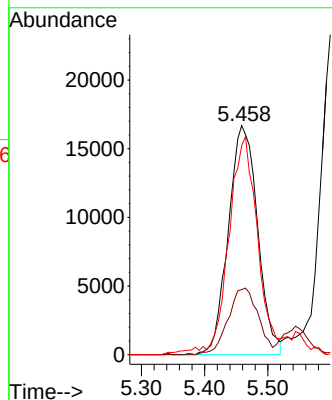
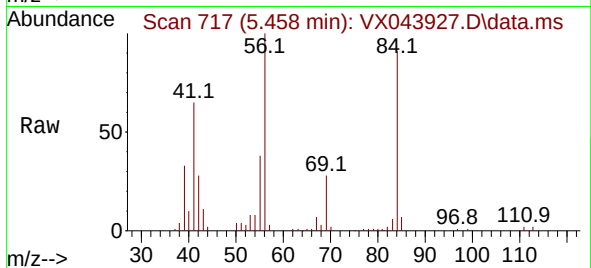




#31
Cyclohexane
Concen: 20.425 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

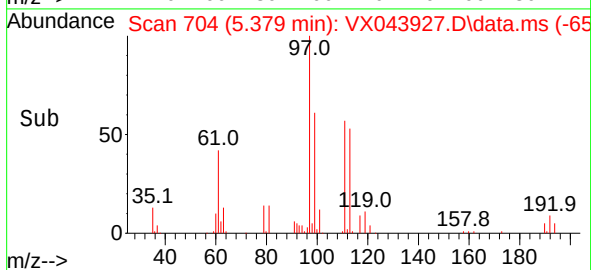
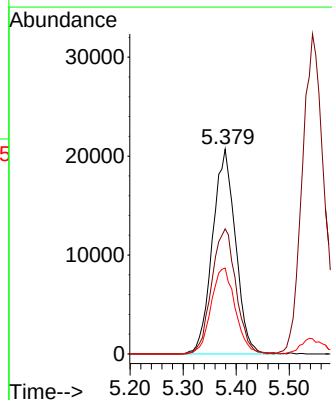
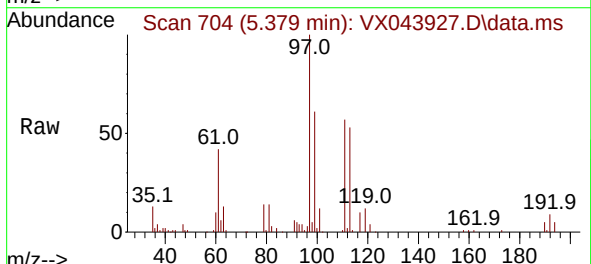
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

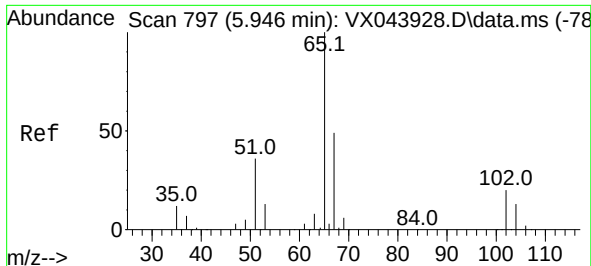
Tgt Ion: 56 Resp: 53731
Ion Ratio Lower Upper
56 100
69 28.4 24.7 37.1
84 89.6 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 21.046 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 44.1 35.4 53.2

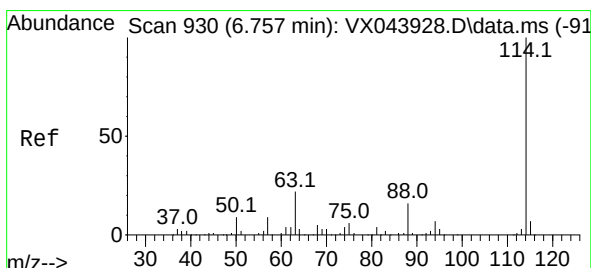
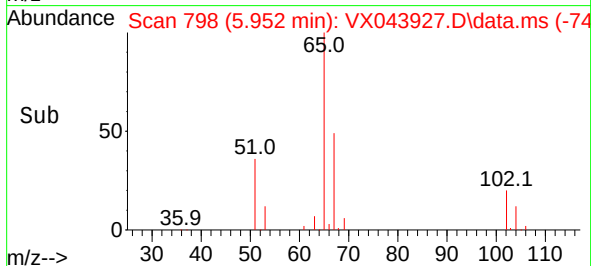
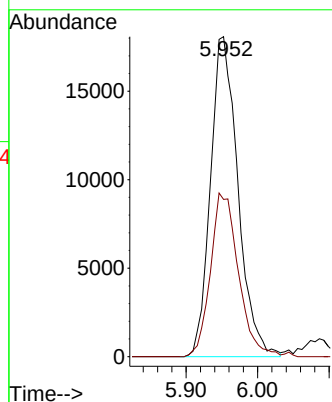
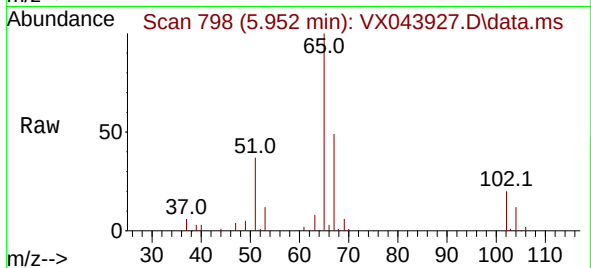




#33
 1,2-Dichloroethane-d4
 Concen: 20.437 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX043927.D
 Acq: 21 Nov 2024 10:37

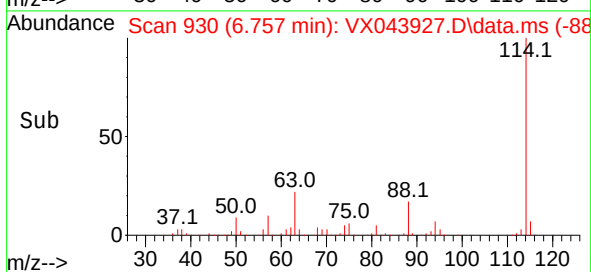
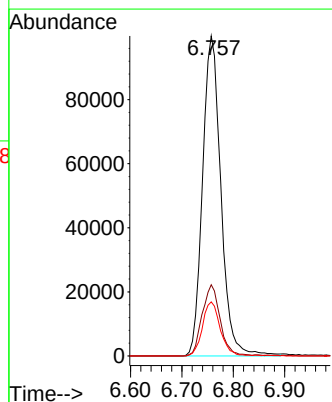
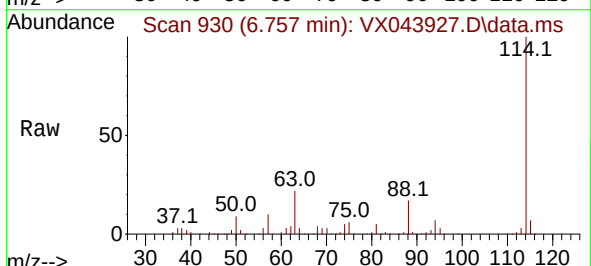
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

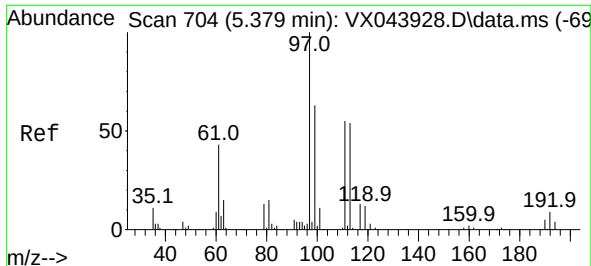
Tgt Ion: 65 Resp: 48239
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043927.D
 Acq: 21 Nov 2024 10:37

Tgt Ion: 114 Resp: 247844
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.0
 88 16.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 19.772 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

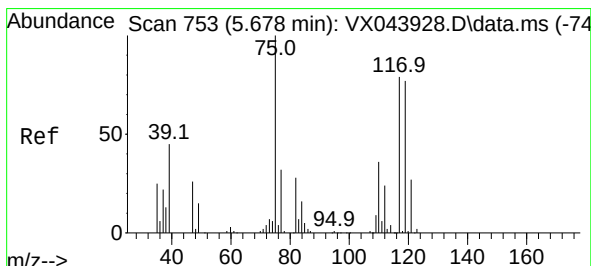
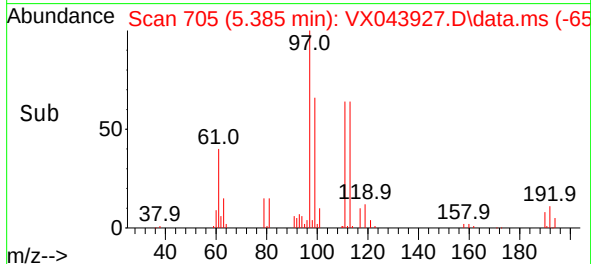
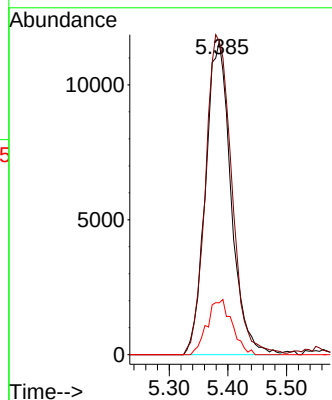
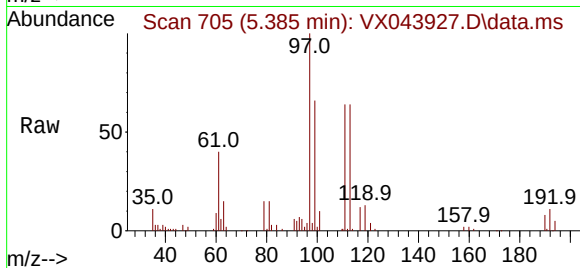
Tgt Ion:113 Resp: 35015

Ion Ratio Lower Upper

113 100

111 105.0 81.0 121.4

192 17.1 13.0 19.6



#36

1,1-Dichloropropene

Concen: 20.149 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

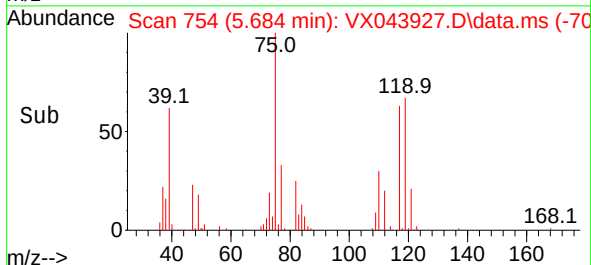
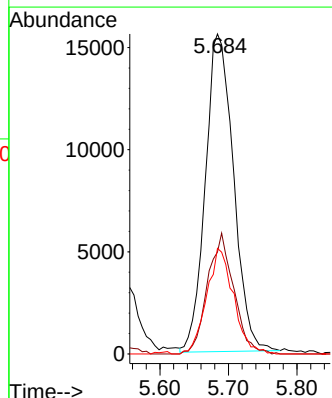
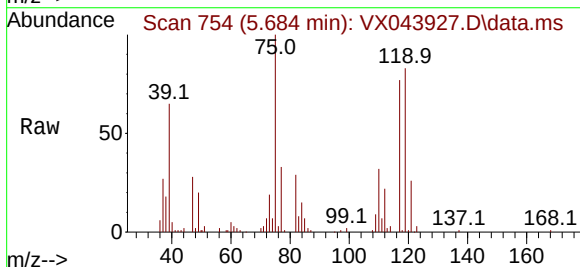
Tgt Ion: 75 Resp: 44465

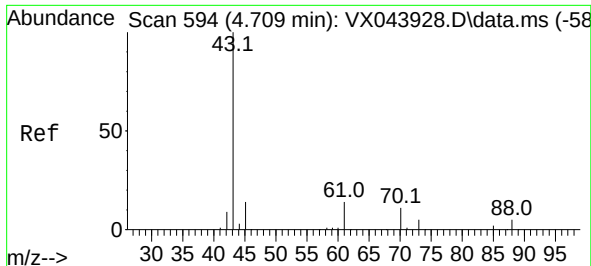
Ion Ratio Lower Upper

75 100

110 35.4 17.4 52.2

77 31.8 25.8 38.8





#37

Ethyl Acetate

Concen: 19.868 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

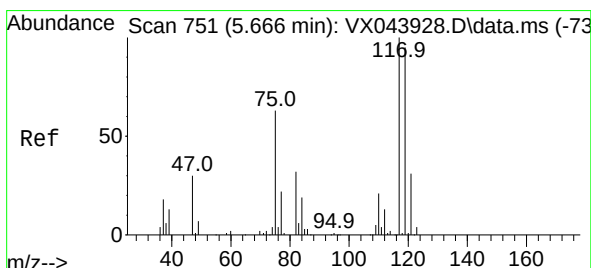
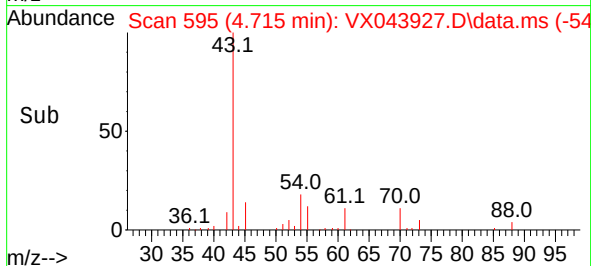
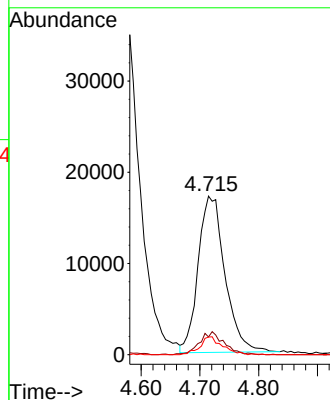
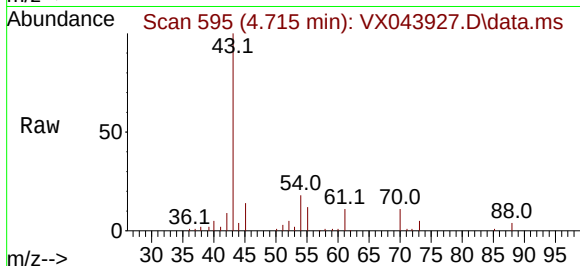
Tgt Ion: 43 Resp: 54426

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

70 9.5 8.0 12.0



#38

Carbon Tetrachloride

Concen: 19.640 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

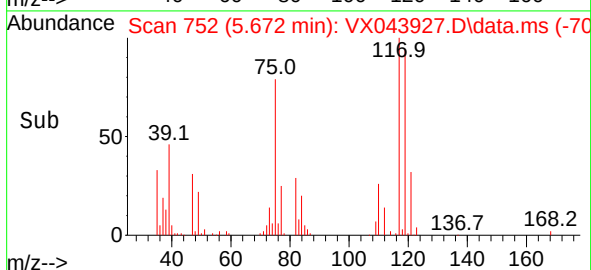
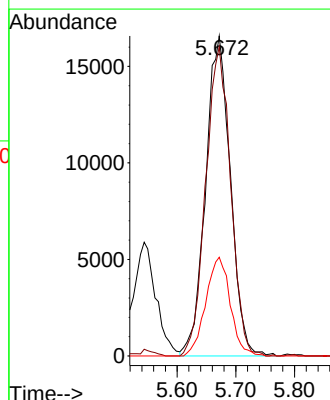
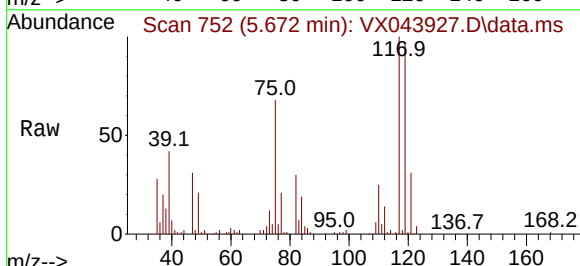
Tgt Ion: 117 Resp: 48701

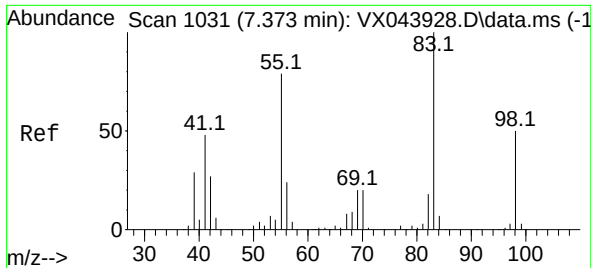
Ion Ratio Lower Upper

117 100

119 96.6 75.2 112.8

121 30.8 24.5 36.7





#39

Methylcyclohexane

Concen: 19.518 ug/l

RT: 7.379 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

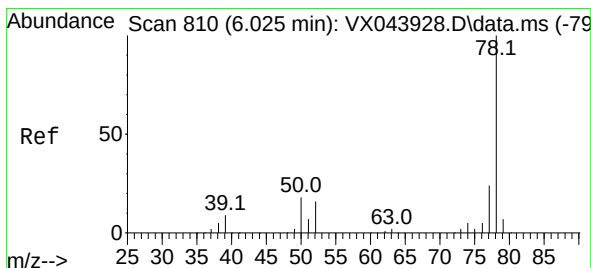
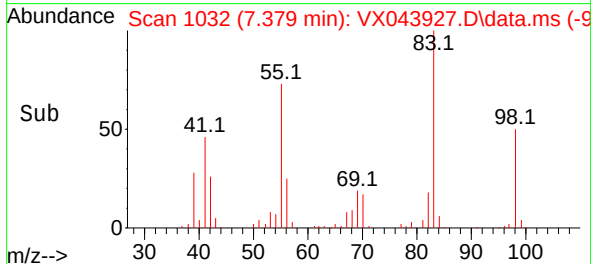
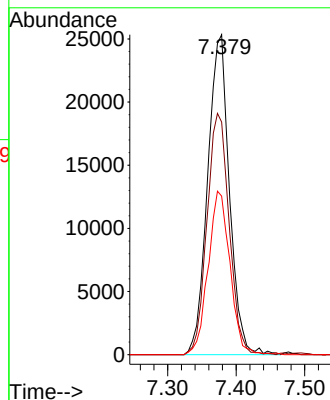
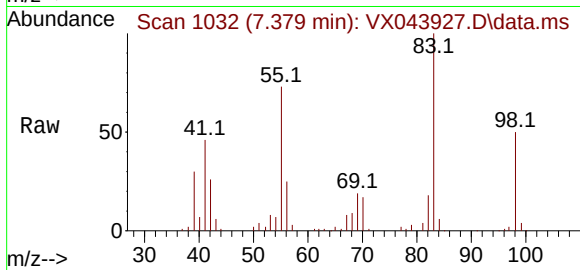
Tgt Ion: 83 Resp: 55958

Ion Ratio Lower Upper

83 100

55 72.7 63.1 94.7

98 49.5 40.0 60.0



#40

Benzene

Concen: 21.006 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX043927.D

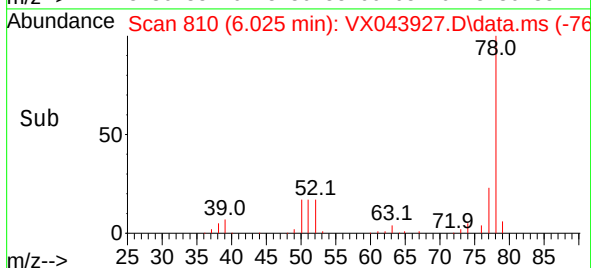
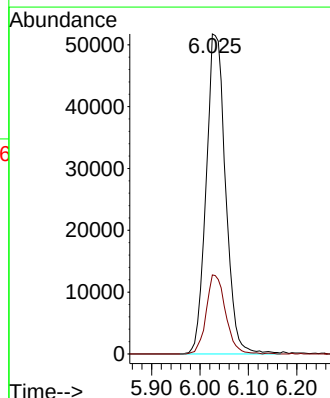
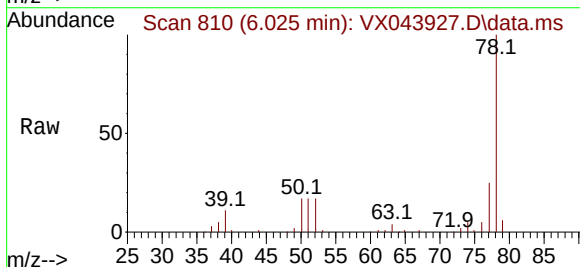
Acq: 21 Nov 2024 10:37

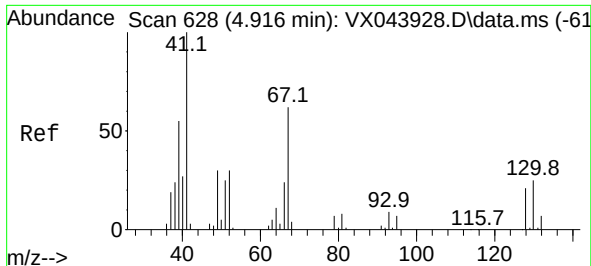
Tgt Ion: 78 Resp: 144401

Ion Ratio Lower Upper

78 100

77 24.7 19.2 28.8

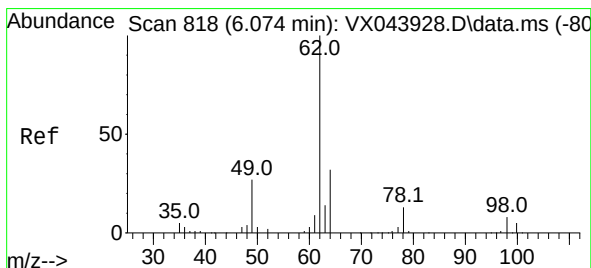
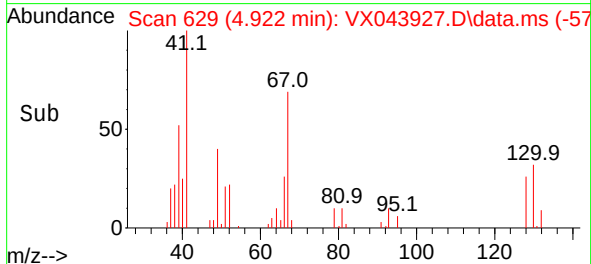
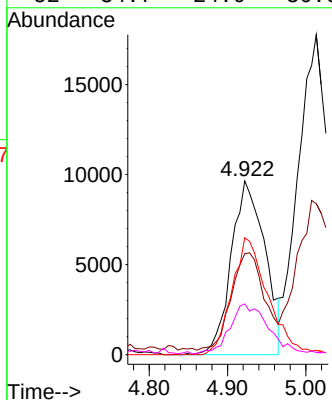
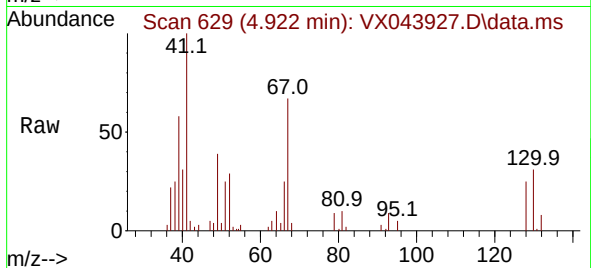




#41
Methacrylonitrile
Concen: 20.639 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

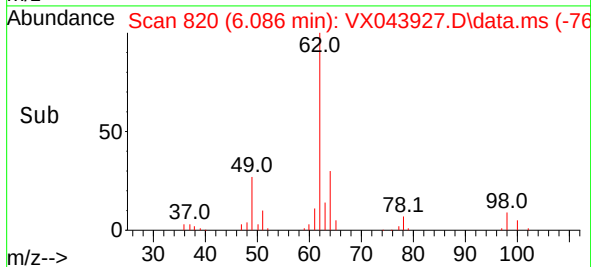
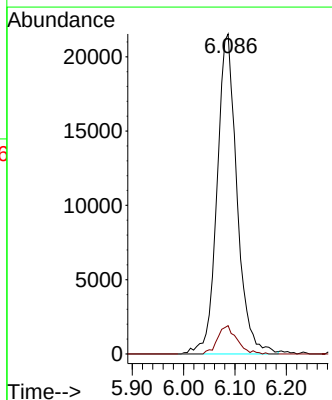
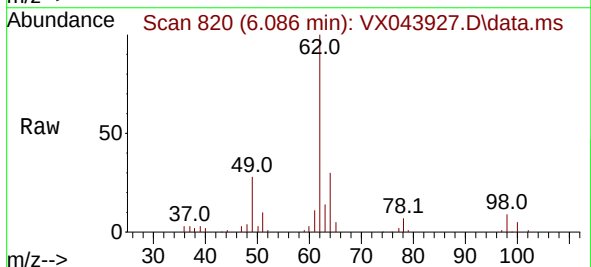
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

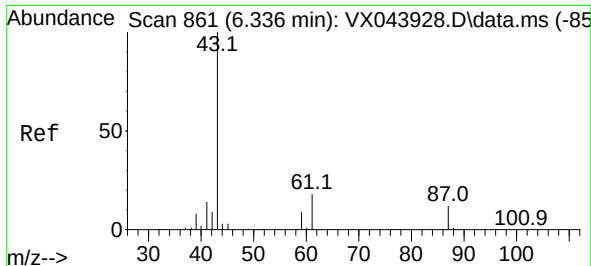
Tgt Ion:	41	Resp:	28938
Ion	Ratio	Lower	Upper
41	100		
39	55.1	41.7	62.5
67	72.7	55.8	83.8
52	34.7	24.0	36.0



#42
1,2-Dichloroethane
Concen: 21.001 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:	62	Resp:	57981
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4

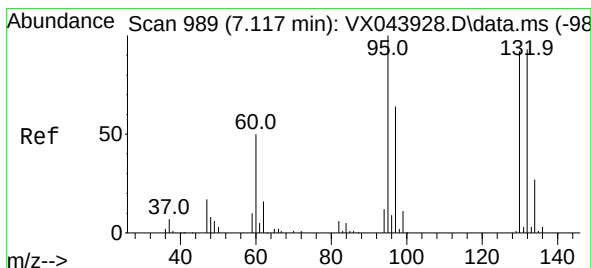
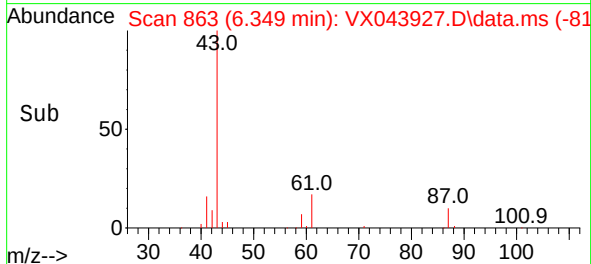
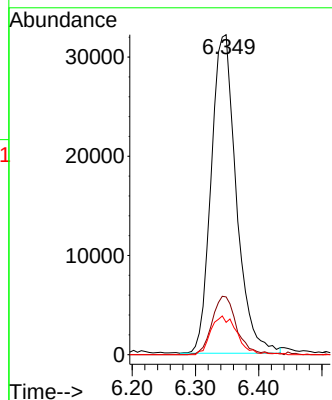
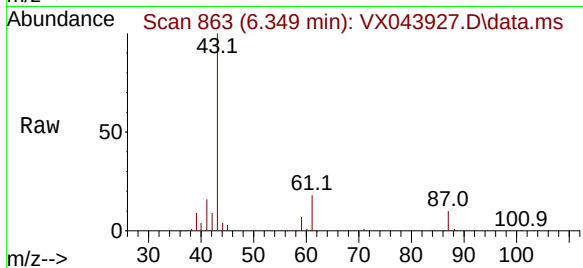




#43
Isopropyl Acetate
Concen: 20.318 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

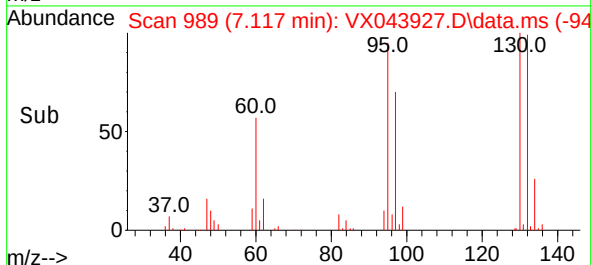
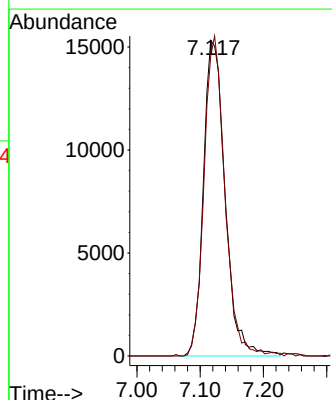
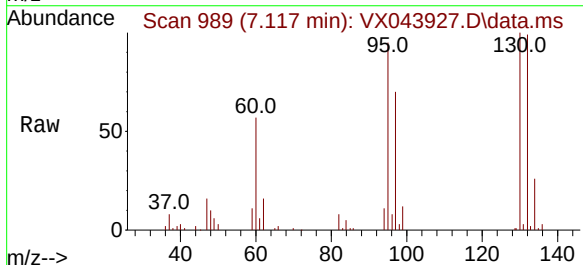
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

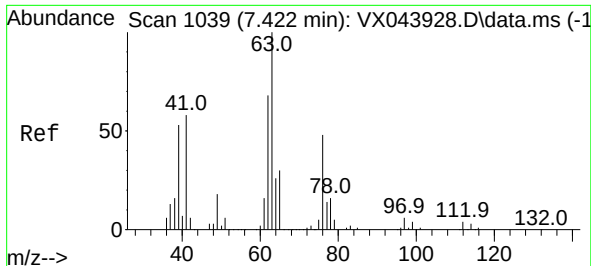
Tgt Ion: 43 Resp: 88577
Ion Ratio Lower Upper
43 100
61 17.9 14.5 21.7
87 12.6 10.2 15.2



#44
Trichloroethene
Concen: 18.726 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440
Ion Ratio Lower Upper
130 100
95 95.2 0.0 217.8





#45

1,2-Dichloropropane

Concen: 21.258 ug/l

RT: 7.428 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

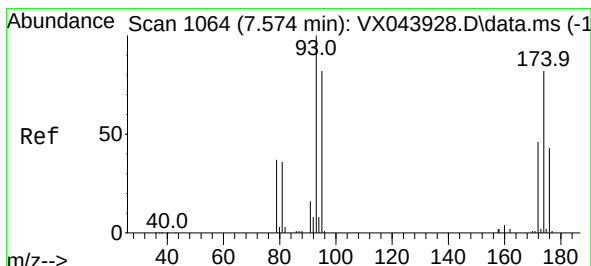
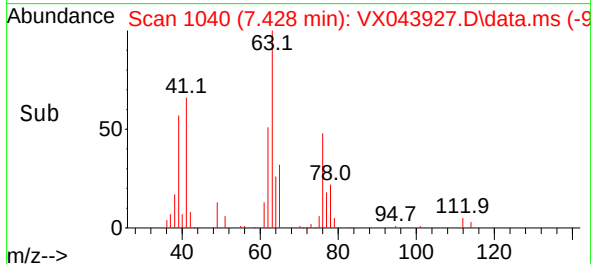
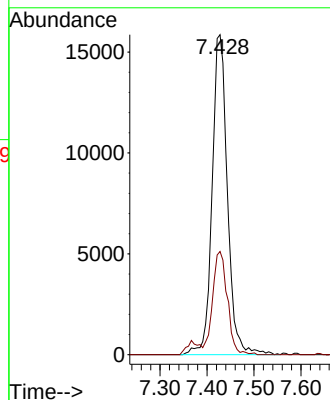
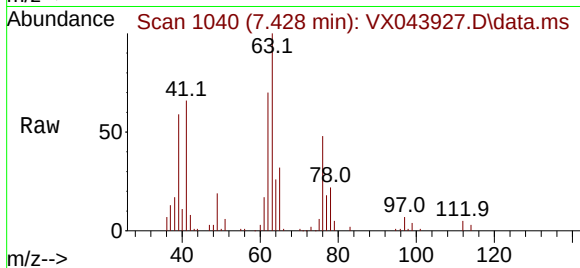
VSTDICC020

Tgt Ion: 63 Resp: 35791

Ion Ratio Lower Upper

63 100

65 32.2 23.8 35.6



#46

Dibromomethane

Concen: 20.873 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

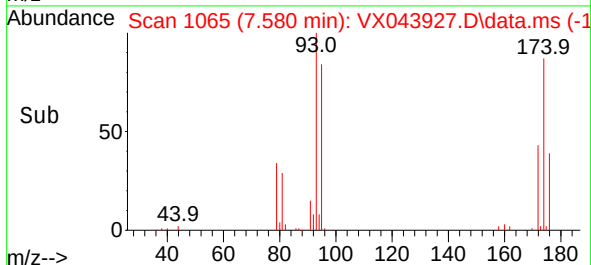
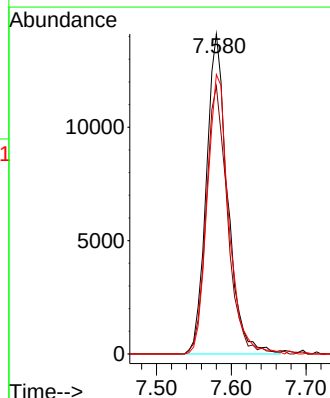
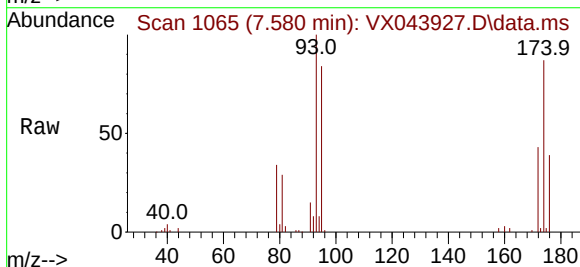
Tgt Ion: 93 Resp: 27799

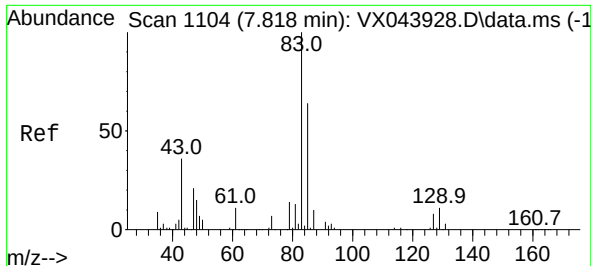
Ion Ratio Lower Upper

93 100

95 84.4 66.2 99.4

174 89.0 69.6 104.4

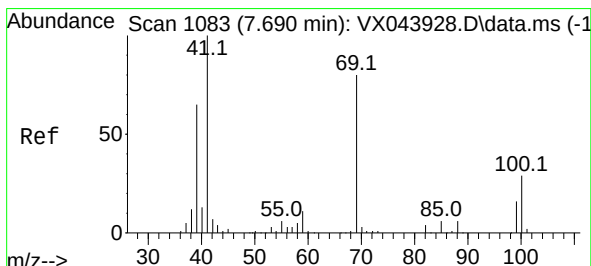
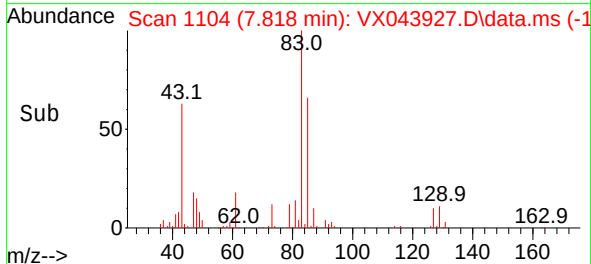
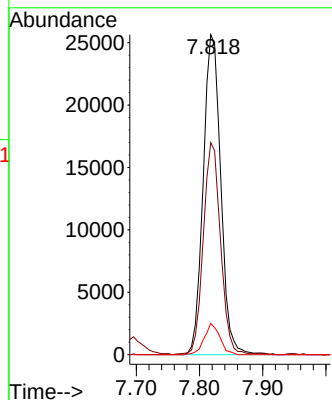
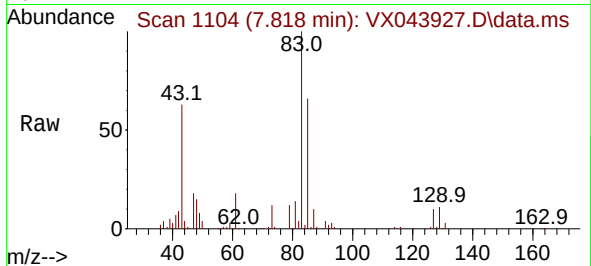




#47
Bromodichloromethane
Concen: 20.792 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

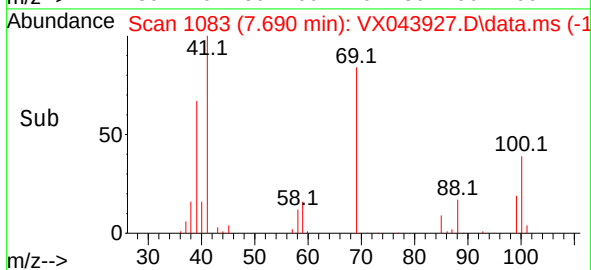
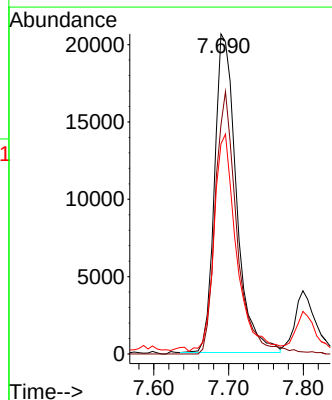
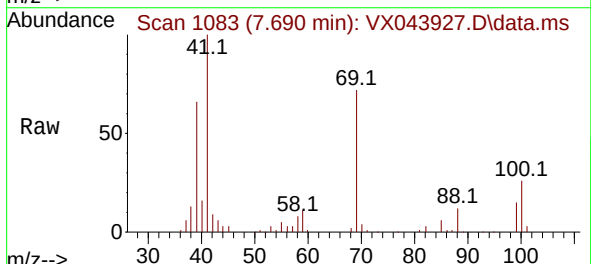
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

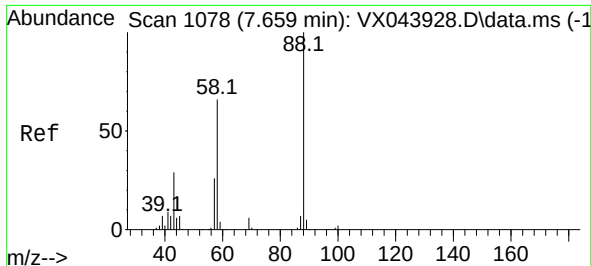
Tgt Ion: 83	Resp: 49665
Ion Ratio	Lower Upper
83 100	
85 66.3	51.4 77.0
127 9.7	6.6 10.0



#48
Methyl methacrylate
Concen: 20.059 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41	Resp: 41962
Ion Ratio	Lower Upper
41 100	
69 81.5	64.6 97.0
39 69.6	53.3 79.9

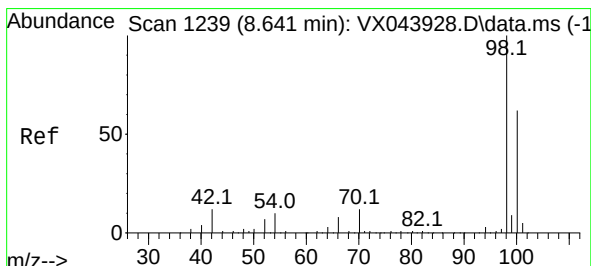
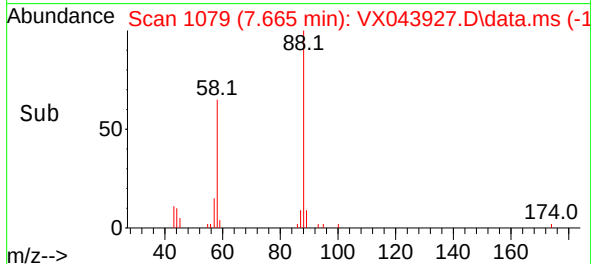
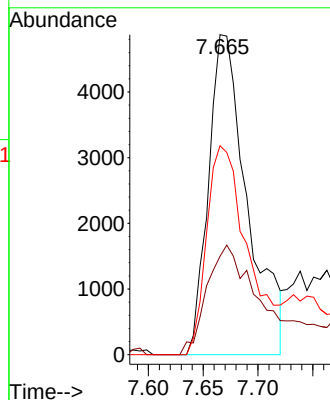
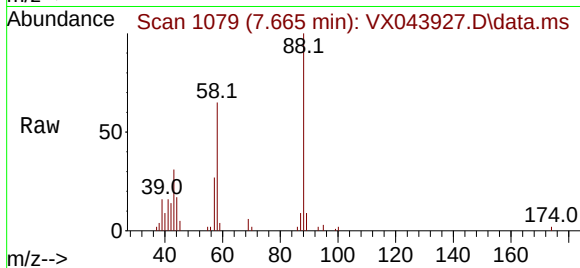




#49
1,4-Dioxane
Concen: 334.681 ug/l
RT: 7.665 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

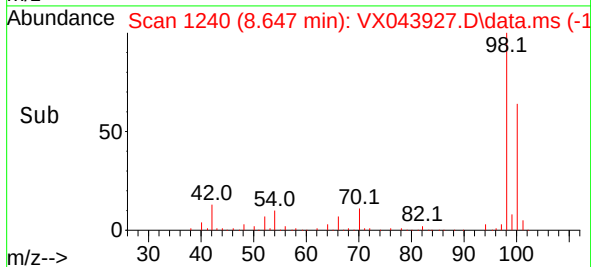
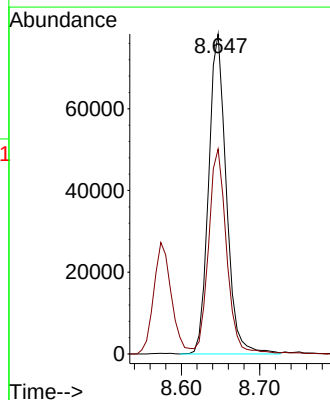
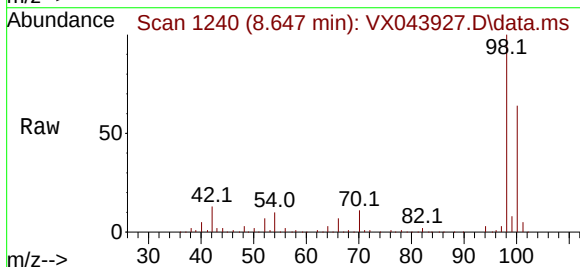
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

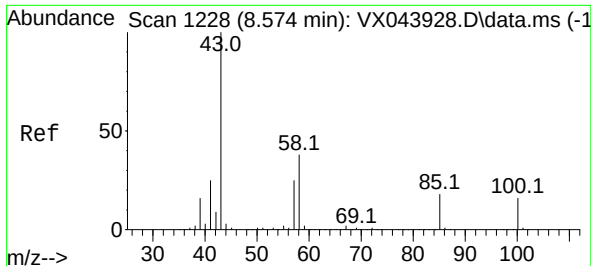
Tgt Ion: 88 Resp: 12071
Ion Ratio Lower Upper
88 100
43 52.5 26.8 40.2#
58 69.7 45.4 68.2#



#50
Toluene-d8
Concen: 20.090 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646
Ion Ratio Lower Upper
98 100
100 63.8 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 104.673 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

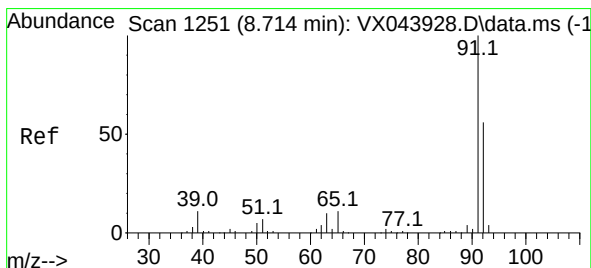
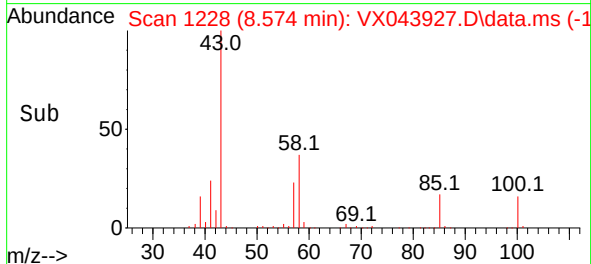
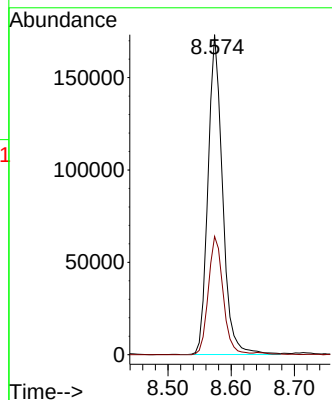
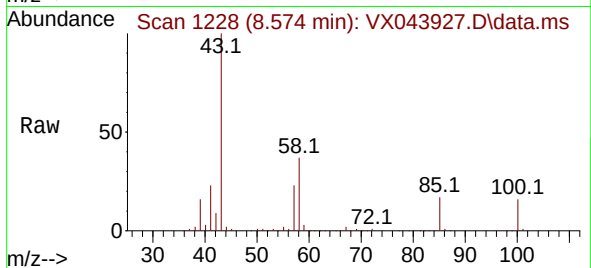
VSTDICC020

Tgt Ion: 43 Resp: 278479

Ion Ratio Lower Upper

43 100

58 37.6 30.0 45.0



#52

Toluene

Concen: 21.284 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043927.D

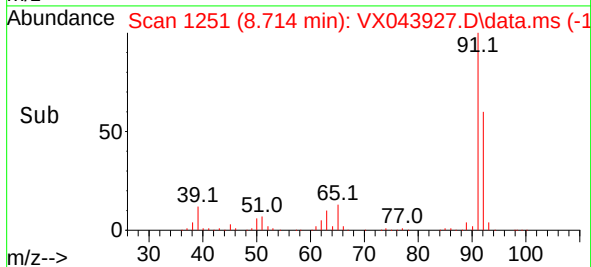
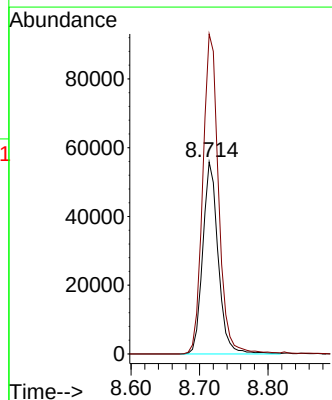
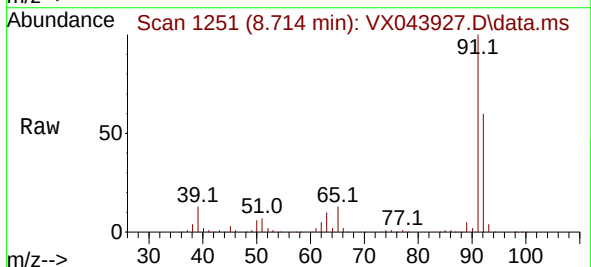
Acq: 21 Nov 2024 10:37

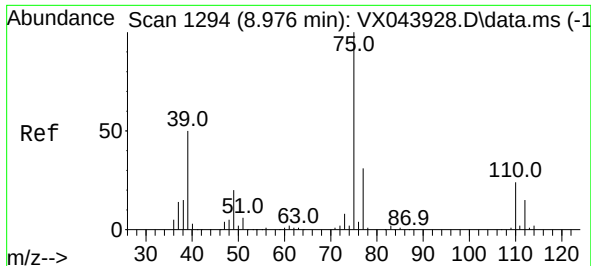
Tgt Ion: 92 Resp: 87569

Ion Ratio Lower Upper

92 100

91 171.0 139.7 209.5

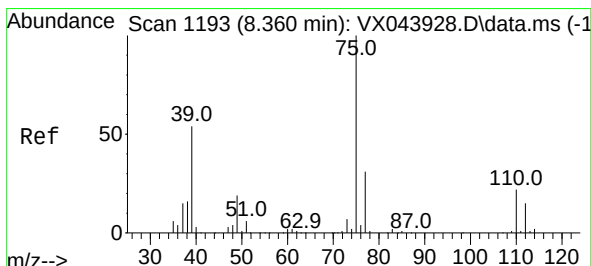
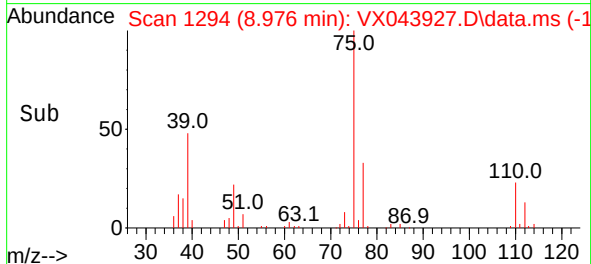
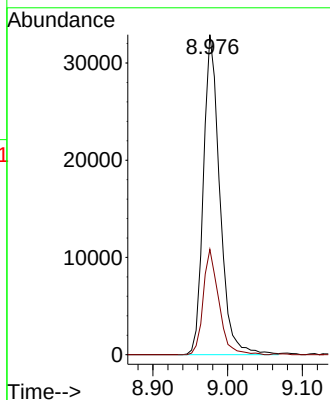
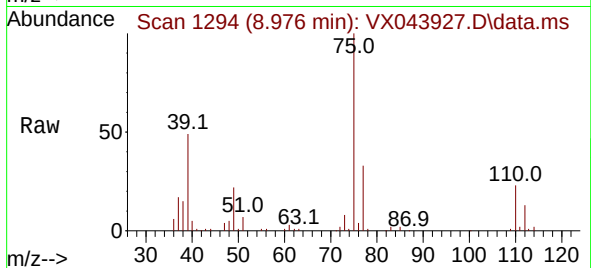




#53
t-1,3-Dichloropropene
Concen: 20.648 ug/l
RT: 8.976 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

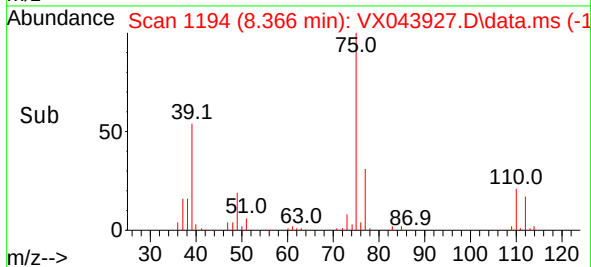
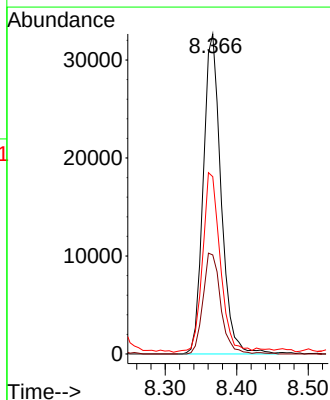
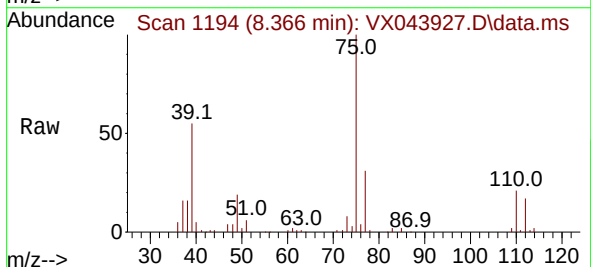
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

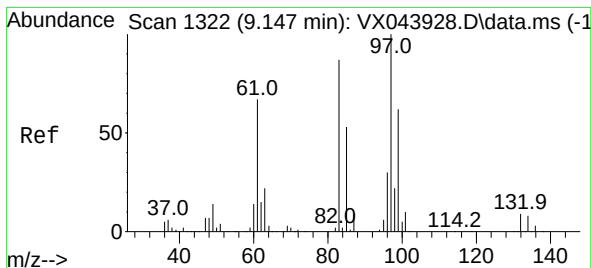
Tgt Ion: 75 Resp: 50294
Ion Ratio Lower Upper
75 100
77 32.9 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 21.124 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 56407
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 54.6 43.1 64.7

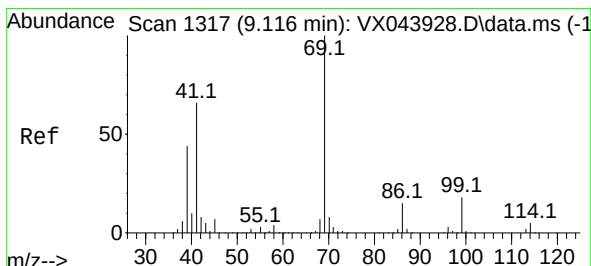
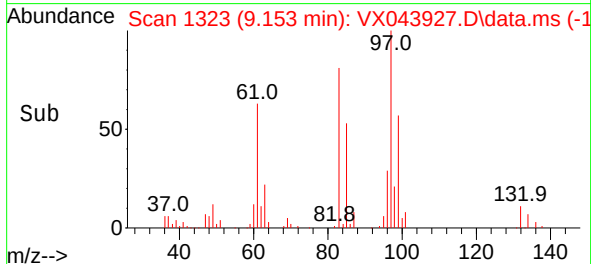
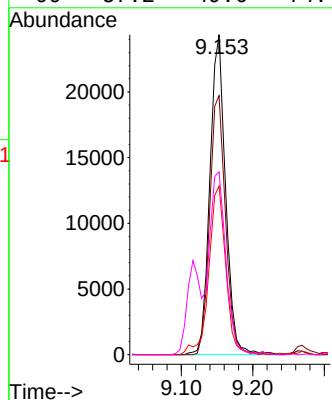
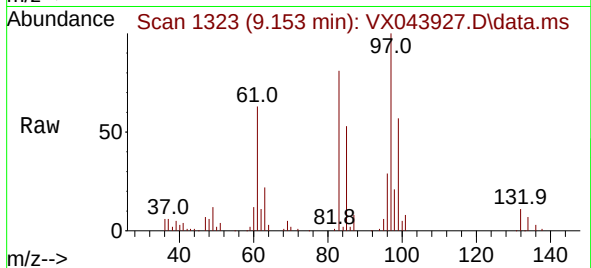




#55
1,1,2-Trichloroethane
Concen: 21.872 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

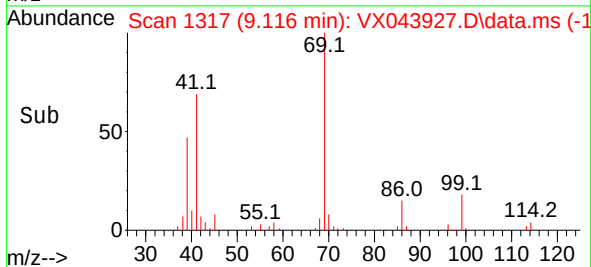
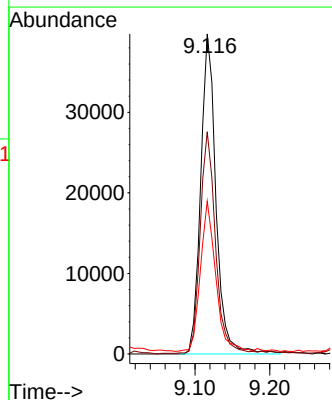
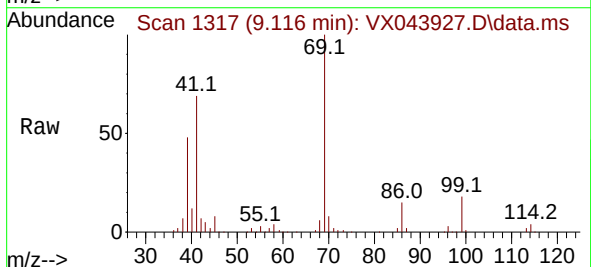
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

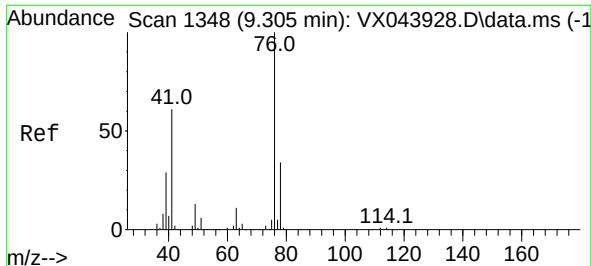
Tgt Ion:	97	Resp:	37148
Ion	Ratio	Lower	Upper
97	100		
83	81.0	69.4	104.0
85	52.7	42.3	63.5
99	57.2	49.6	74.4



#56
Ethyl methacrylate
Concen: 21.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:	69	Resp:	56585
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.8	83.8
39	46.7	36.7	55.1

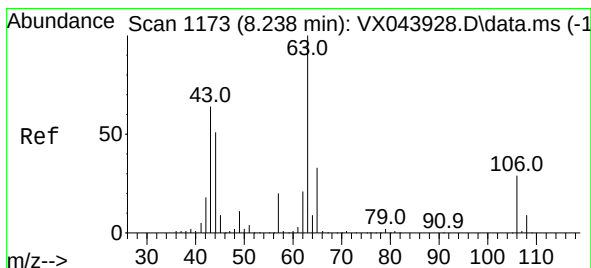
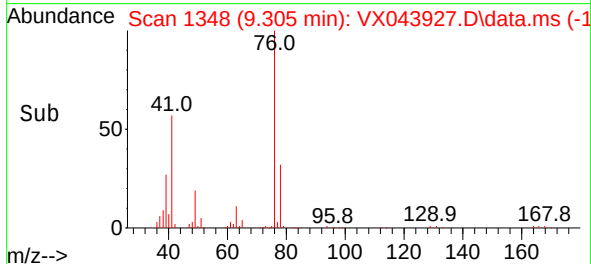
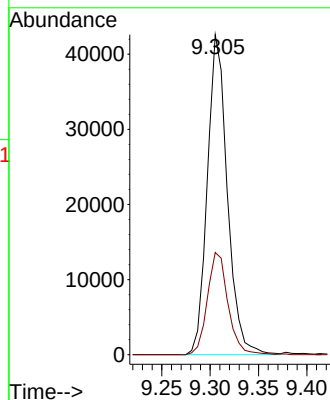
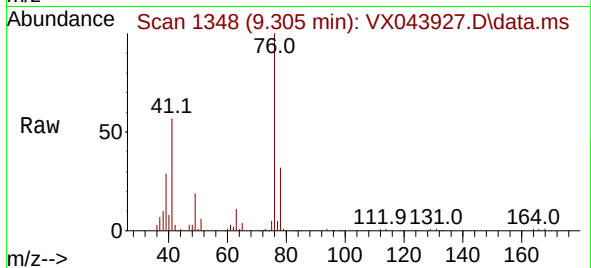




#57
1,3-Dichloropropane
Concen: 21.468 ug/l
RT: 9.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

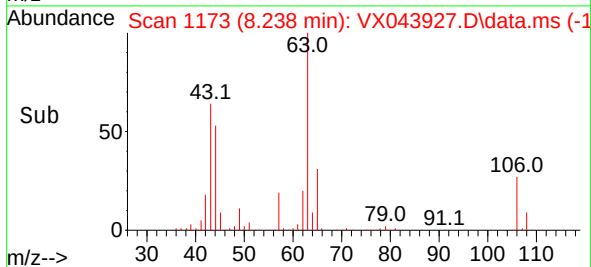
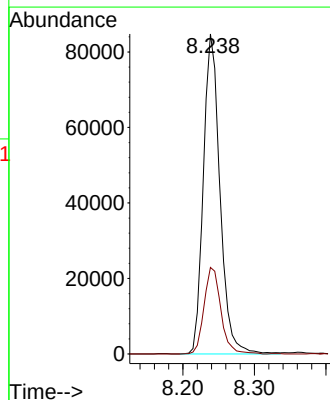
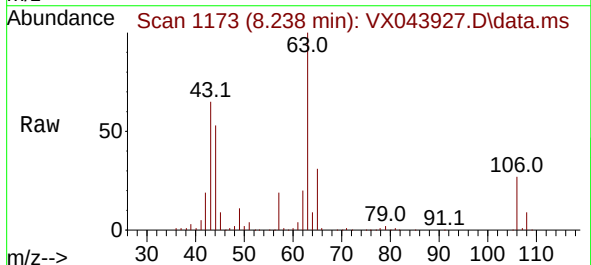
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

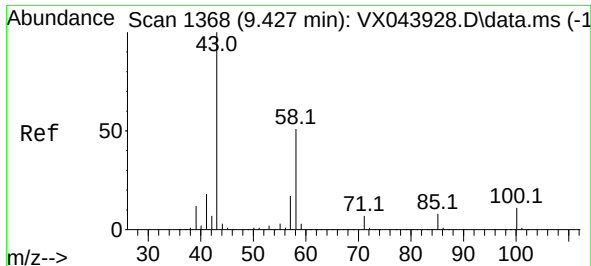
Tgt Ion: 76 Resp: 61420
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 93.712 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842
Ion Ratio Lower Upper
63 100
106 27.4 23.0 34.6

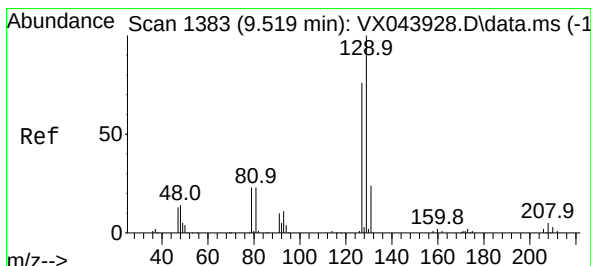
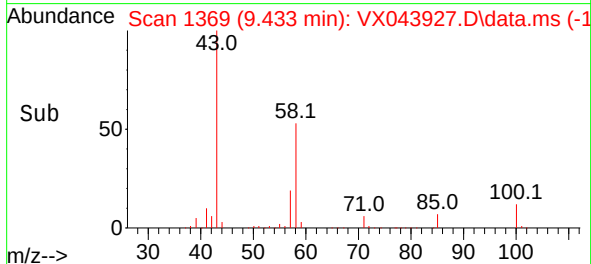
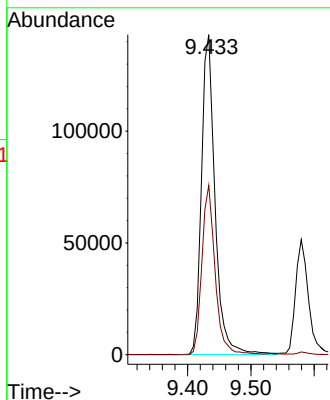
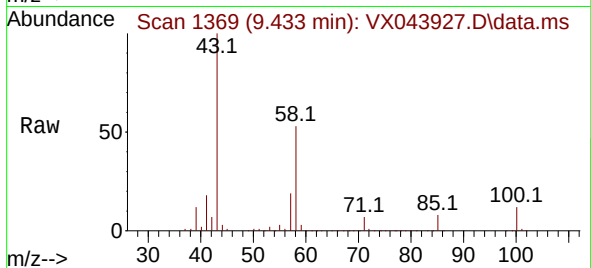




#59
2-Hexanone
Concen: 106.832 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

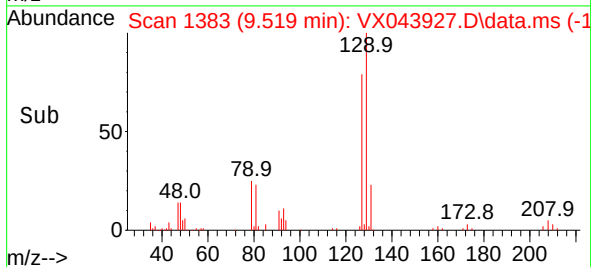
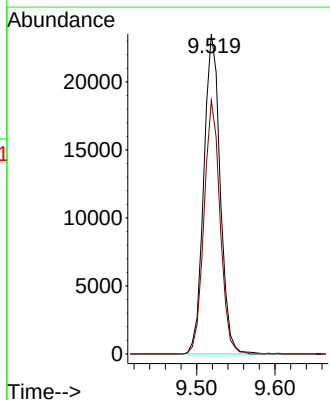
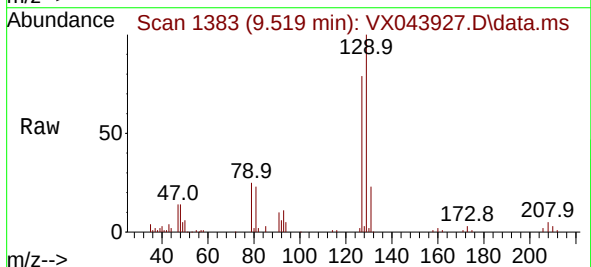
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

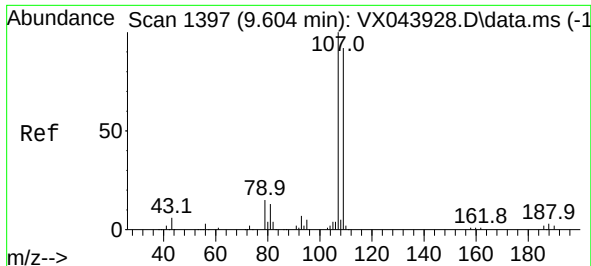
Tgt Ion: 43 Resp: 213629
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.6



#60
Dibromochloromethane
Concen: 20.030 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 129 Resp: 34133
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.536 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

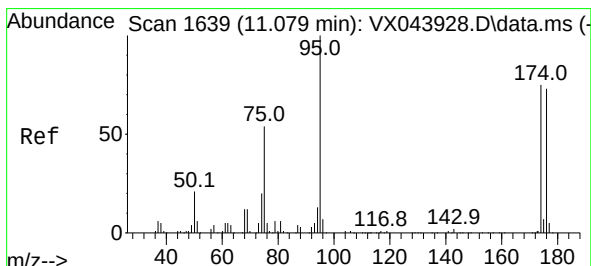
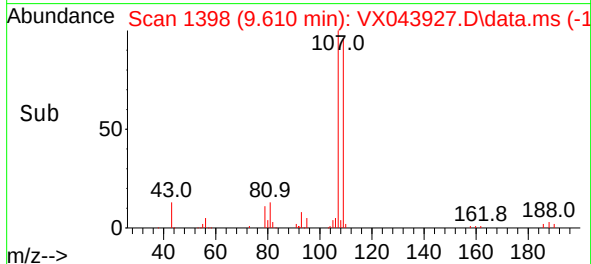
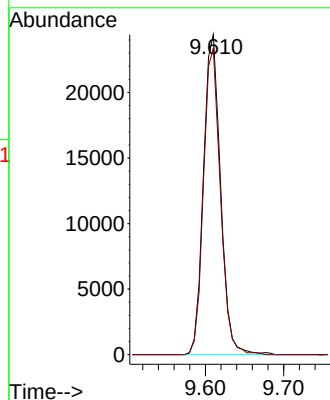
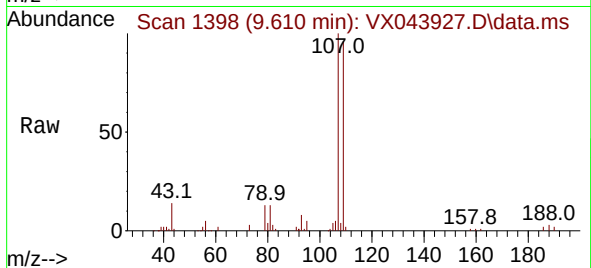
VSTDICC020

Tgt Ion:107 Resp: 36985

Ion Ratio Lower Upper

107 100

109 94.7 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 19.776 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

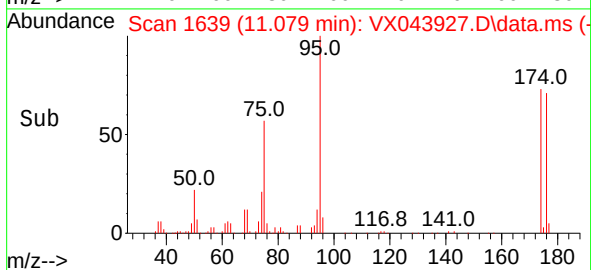
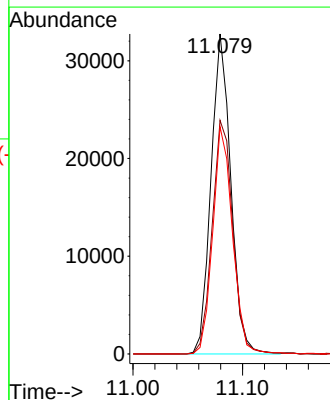
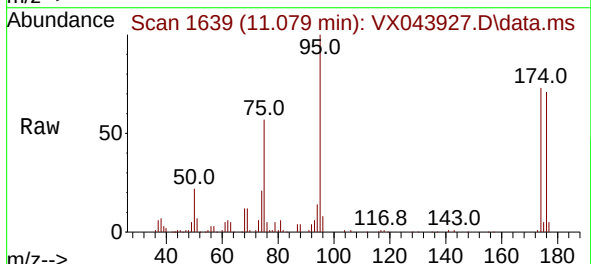
Tgt Ion: 95 Resp: 41087

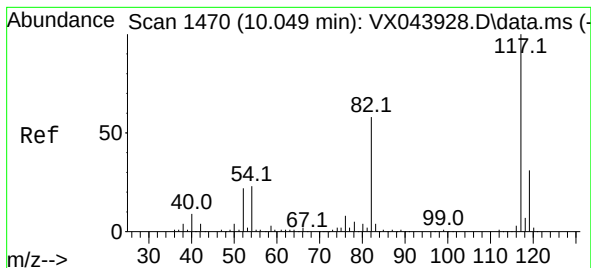
Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.4

176 71.1 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

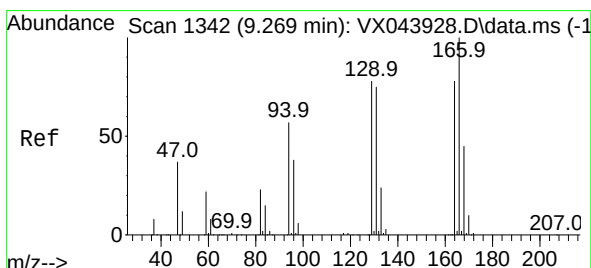
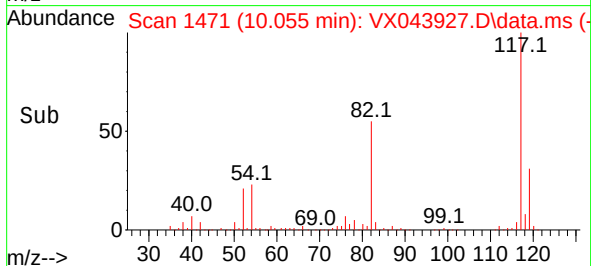
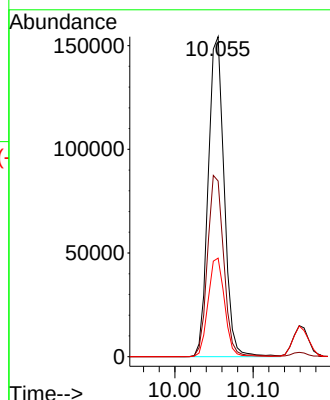
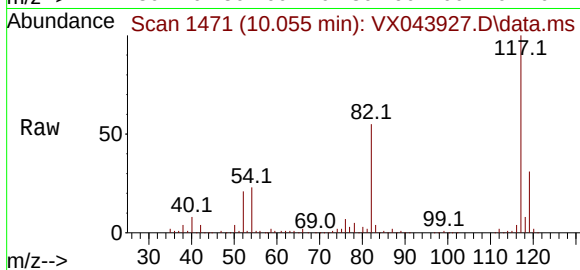
Tgt Ion:117 Resp: 217871

Ion Ratio Lower Upper

117 100

82 54.9 46.4 69.6

119 30.8 24.6 37.0



#64

Tetrachloroethene

Concen: 20.377 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

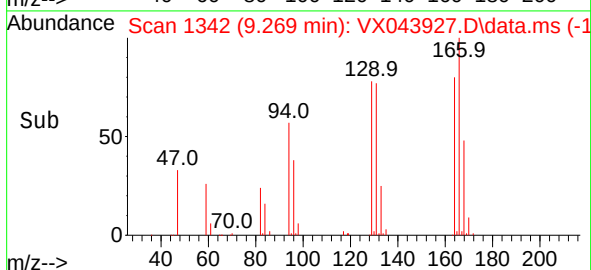
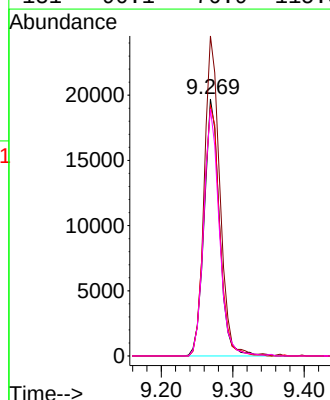
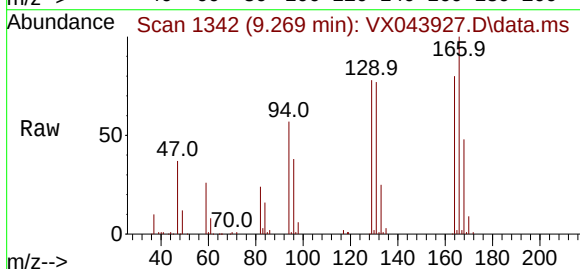
Ion Ratio Lower Upper

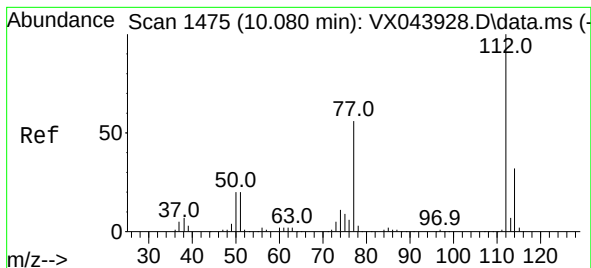
164 100

166 124.6 102.1 153.1

129 97.2 79.6 119.4

131 96.1 76.9 115.3

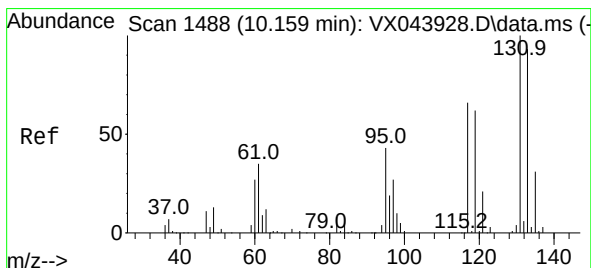
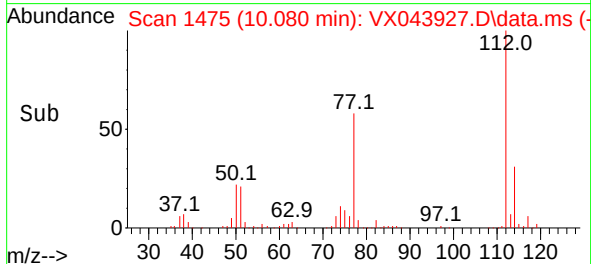
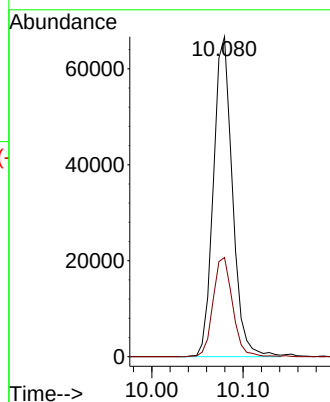
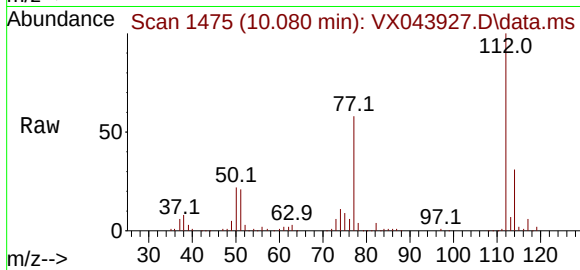




#65
Chlorobenzene
Concen: 20.160 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

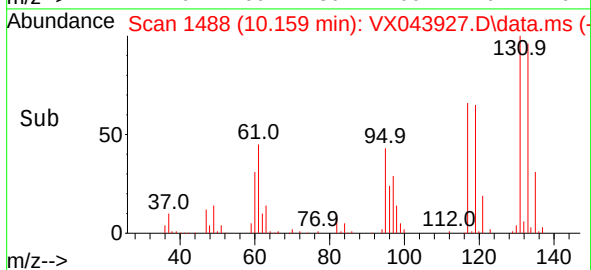
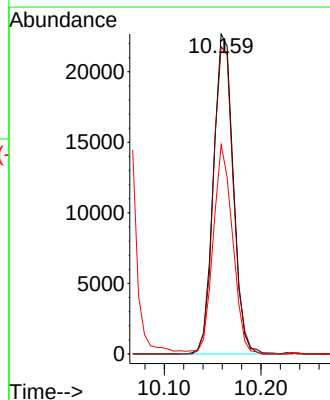
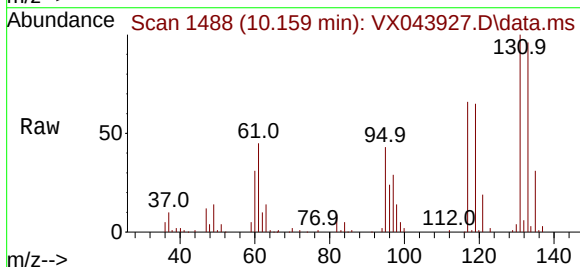
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

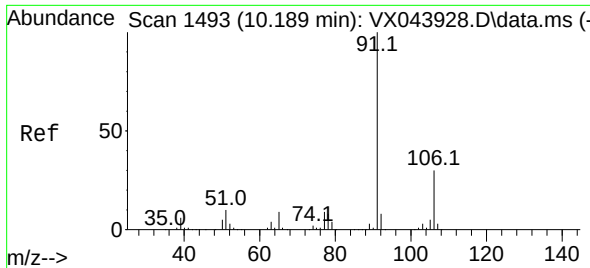
Tgt Ion:112 Resp: 96469
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.848 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353
Ion Ratio Lower Upper
131 100
133 96.2 48.2 144.6
119 63.7 31.5 94.5





#67

Ethyl Benzene

Concen: 20.527 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

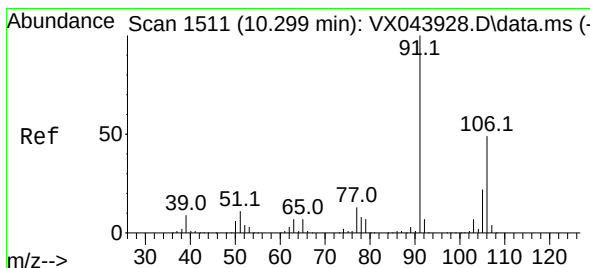
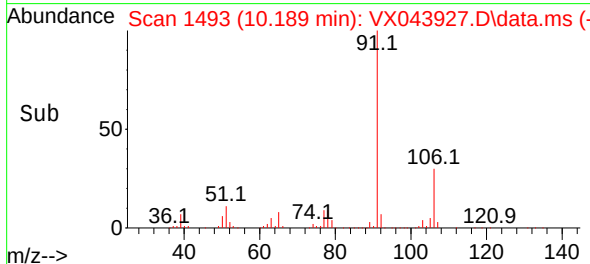
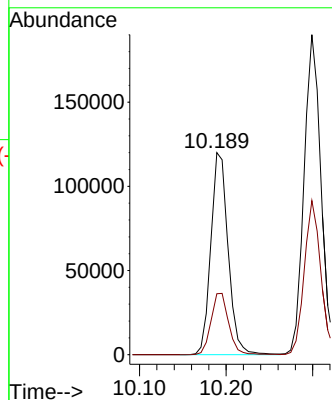
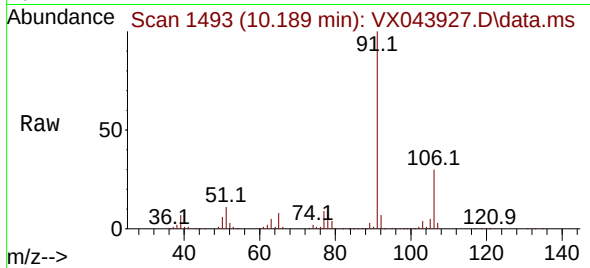
VSTDIC020

Tgt Ion: 91 Resp: 166435

Ion Ratio Lower Upper

91 100

106 30.1 23.6 35.4



#68

m/p-Xylenes

Concen: 40.565 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043927.D

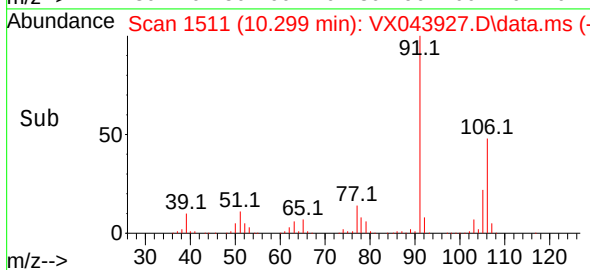
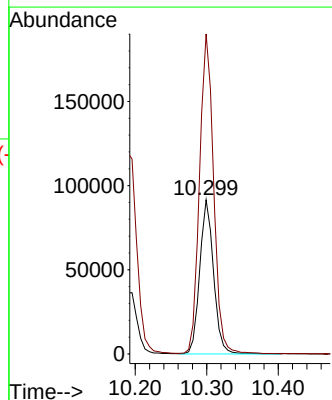
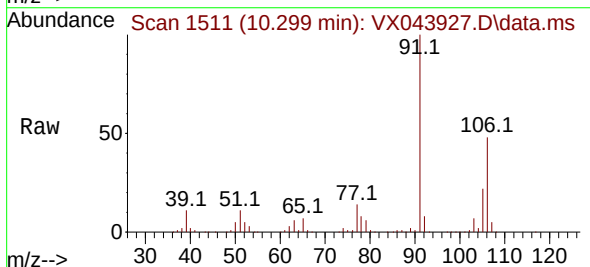
Acq: 21 Nov 2024 10:37

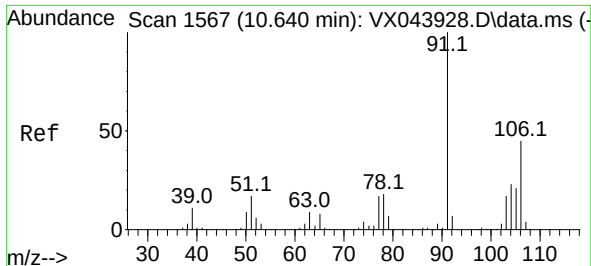
Tgt Ion: 106 Resp: 122658

Ion Ratio Lower Upper

106 100

91 211.9 168.1 252.1





#69

o-Xylene

Concen: 20.409 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

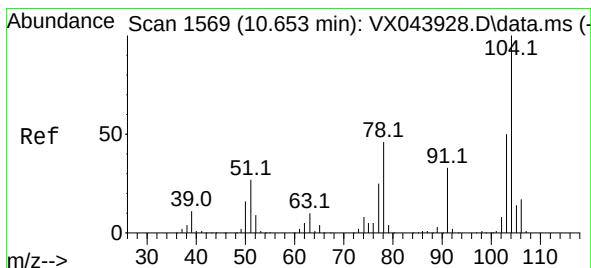
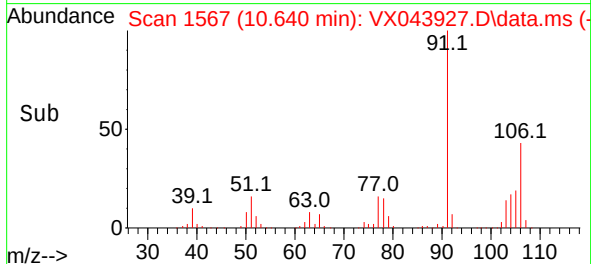
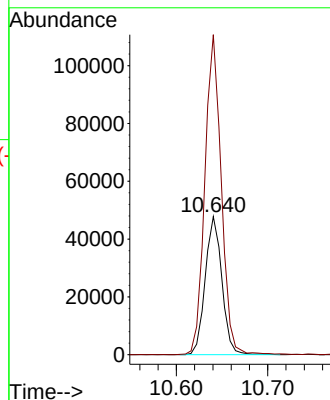
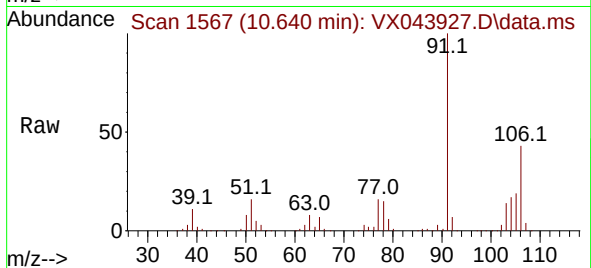
VSTDICC020

Tgt Ion:106 Resp: 60254

Ion Ratio Lower Upper

106 100

91 229.5 110.2 330.6



#70

Styrene

Concen: 20.956 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

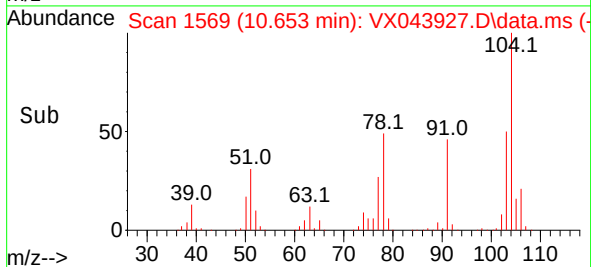
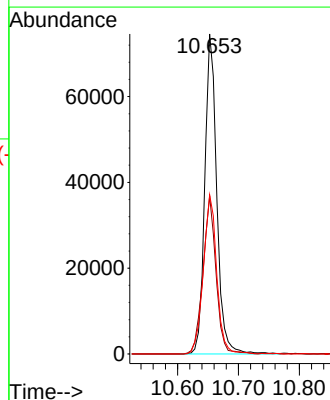
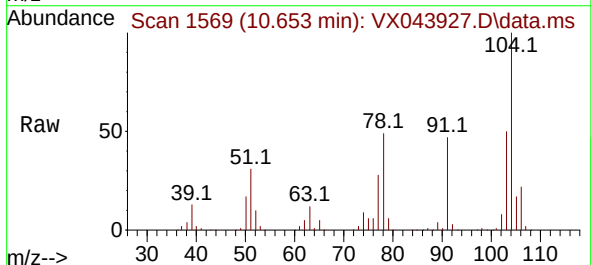
Tgt Ion:104 Resp: 102329

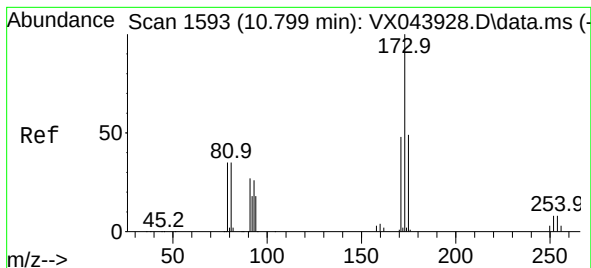
Ion Ratio Lower Upper

104 100

78 53.5 42.2 63.2

103 55.5 44.7 67.1





#71

Bromoform

Concen: 17.792 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

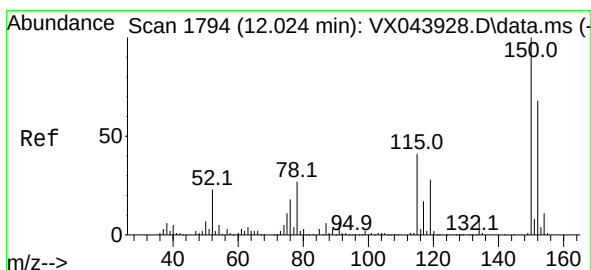
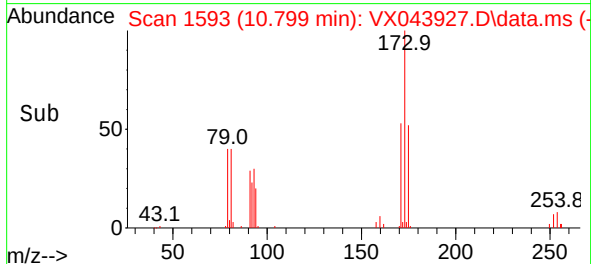
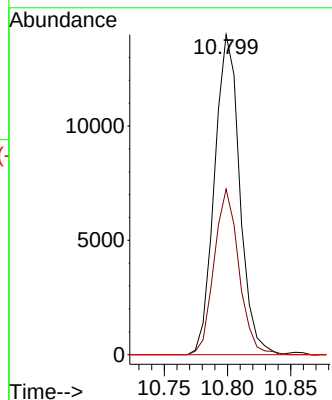
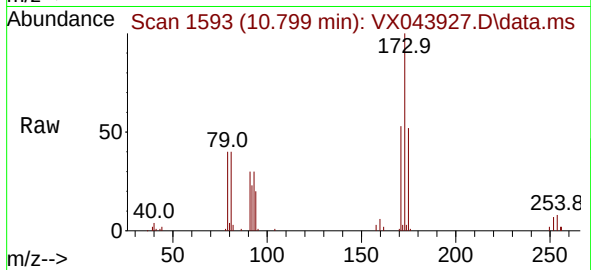
Tgt Ion:173 Resp: 19329

Ion Ratio Lower Upper

173 100

175 51.0 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

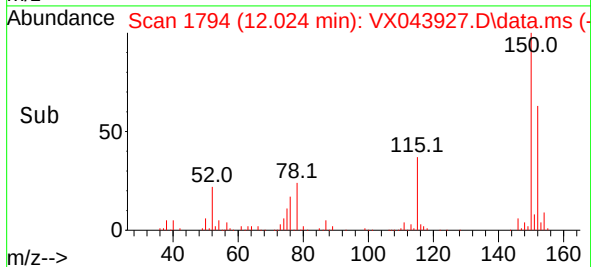
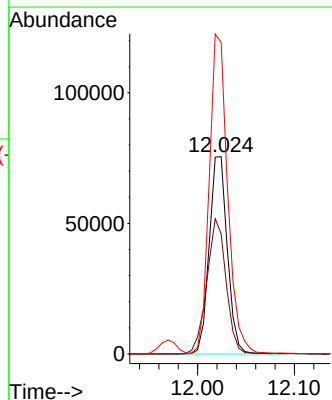
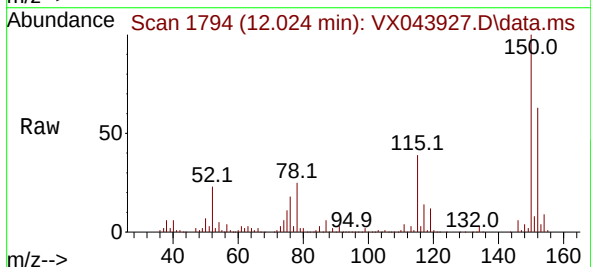
Tgt Ion:152 Resp: 98477

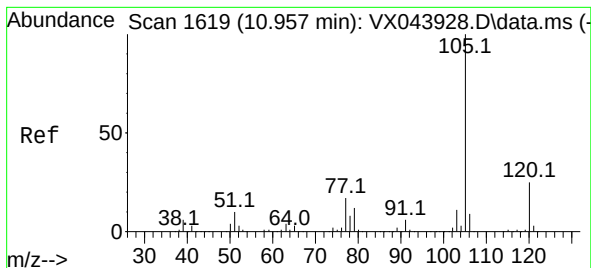
Ion Ratio Lower Upper

152 100

115 73.0 45.4 136.2

150 165.0 0.0 353.0





#73

Isopropylbenzene

Concen: 20.794 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

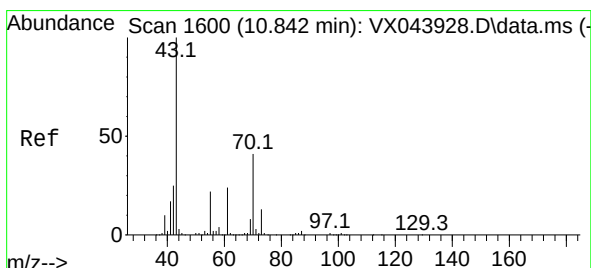
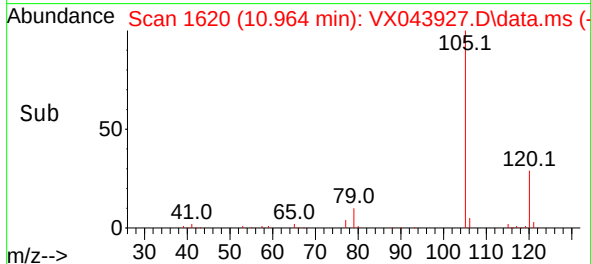
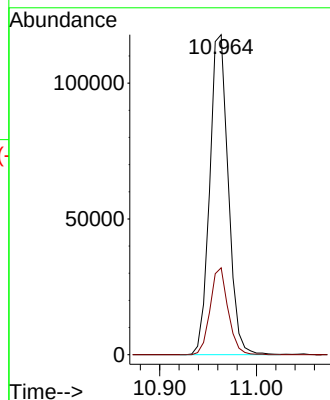
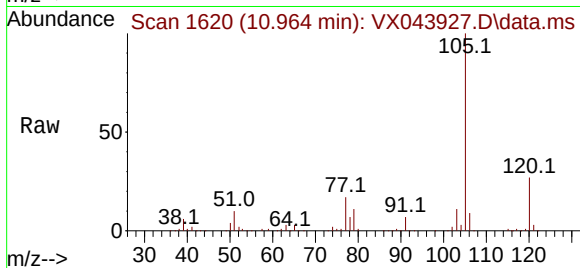
VSTDIC020

Tgt Ion:105 Resp: 157405

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 20.967 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

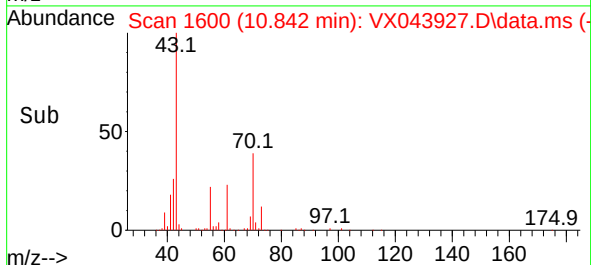
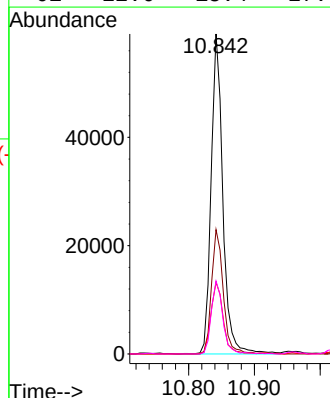
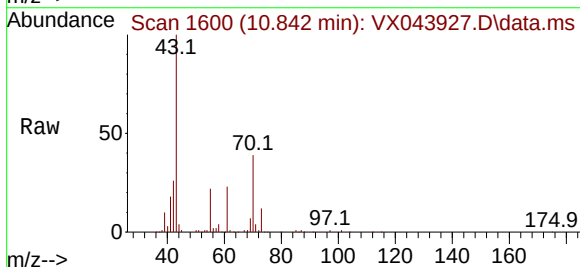
Ion Ratio Lower Upper

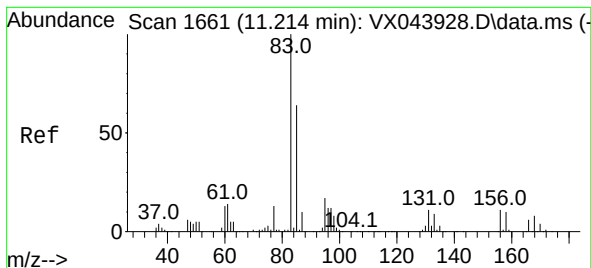
43 100

70 39.1 32.2 48.2

55 23.3 18.1 27.1

61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.894 ug/l

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

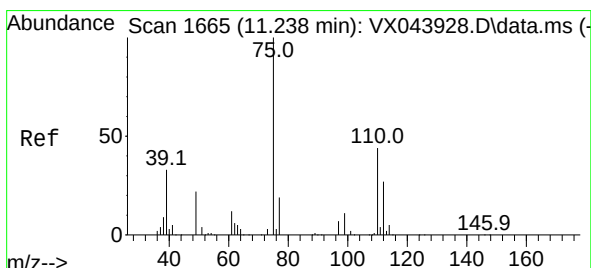
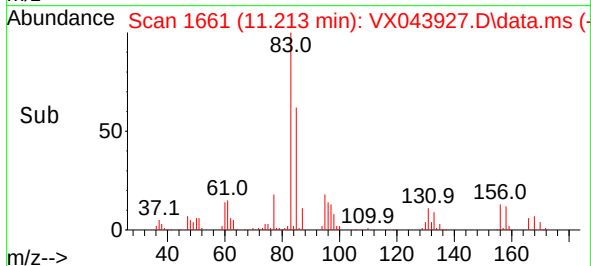
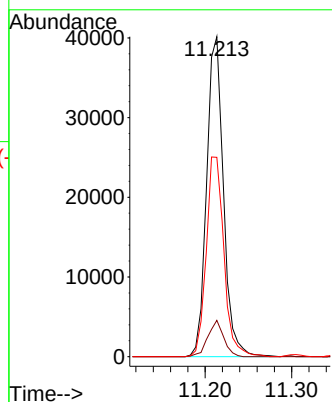
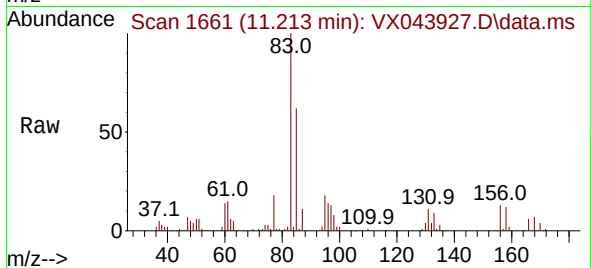
Tgt Ion: 83 Resp: 54158

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.2

85 65.7 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 27.659 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043927.D

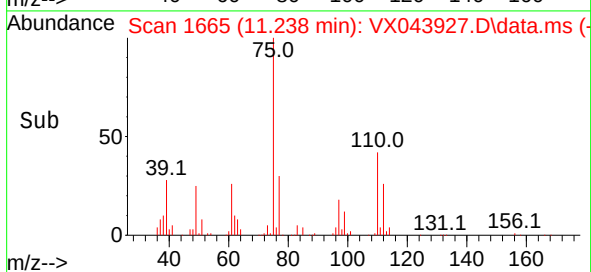
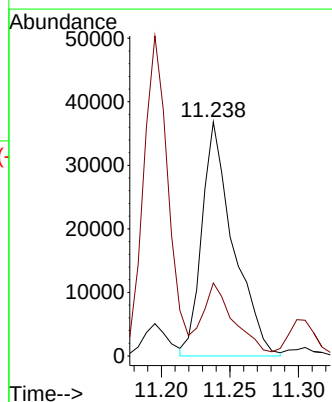
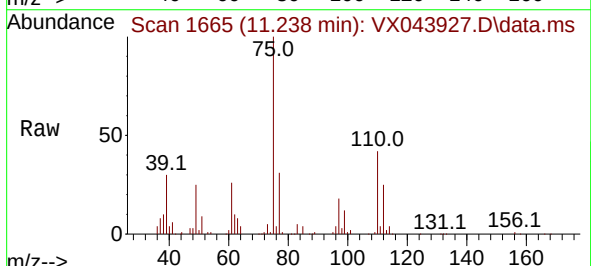
Acq: 21 Nov 2024 10:37

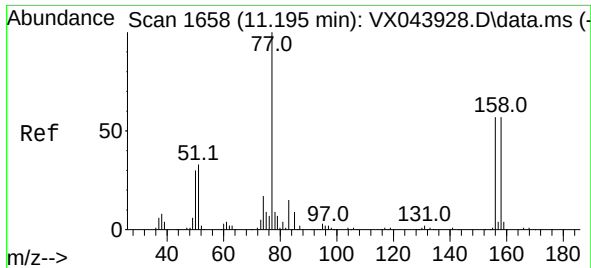
Tgt Ion: 75 Resp: 58738

Ion Ratio Lower Upper

75 100

77 31.6 21.8 65.3

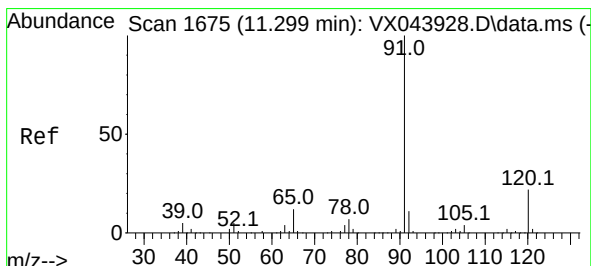
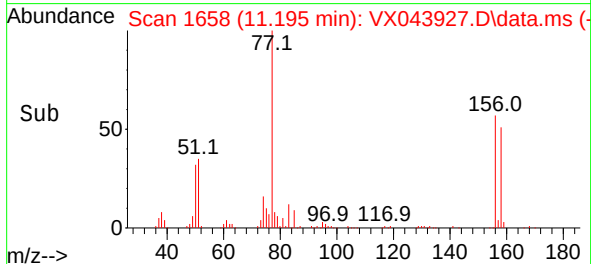
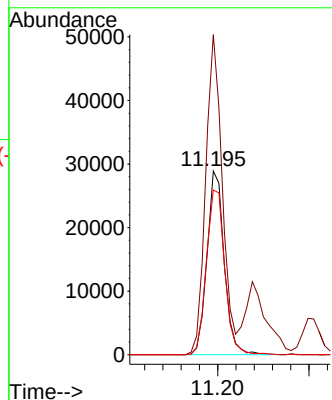
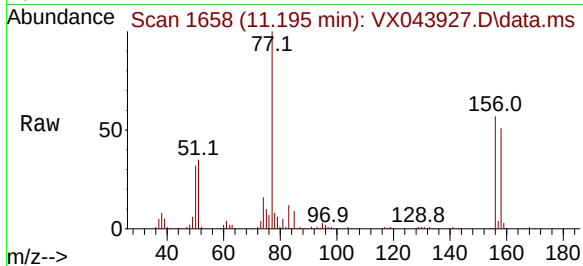




#77
Bromobenzene
Concen: 20.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

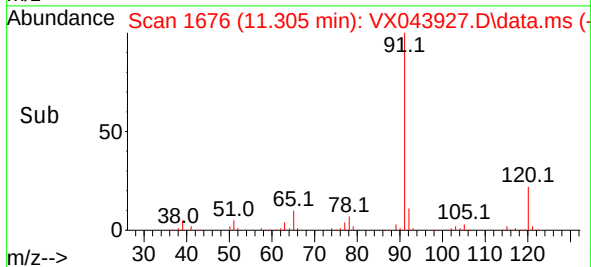
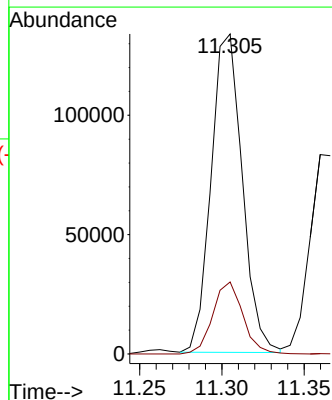
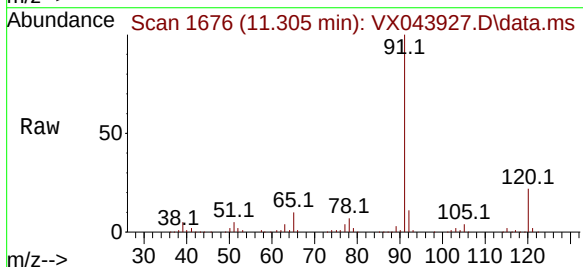
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

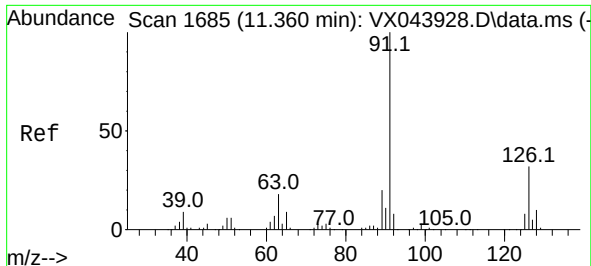
Tgt Ion:156 Resp: 37631
Ion Ratio Lower Upper
156 100
77 167.6 83.4 250.1
158 96.0 47.6 142.8



#78
n-propylbenzene
Concen: 20.821 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 21.134 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

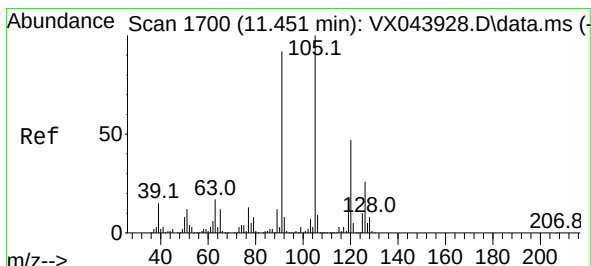
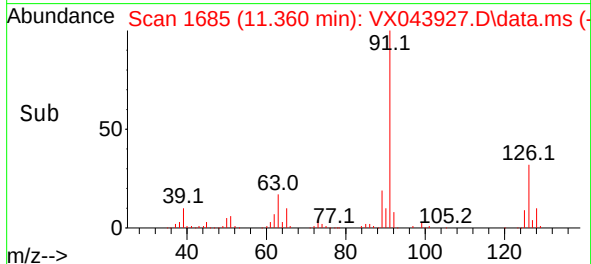
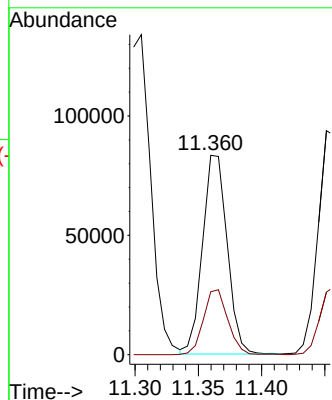
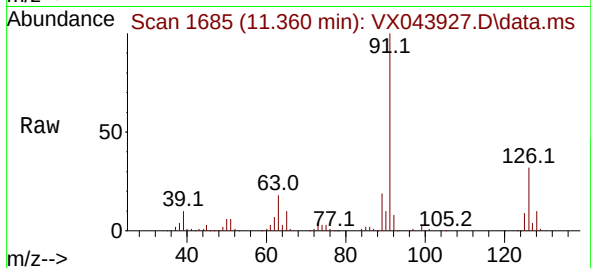
VSTDICC020

Tgt Ion: 91 Resp: 112986

Ion Ratio Lower Upper

91 100

126 32.4 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 21.202 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043927.D

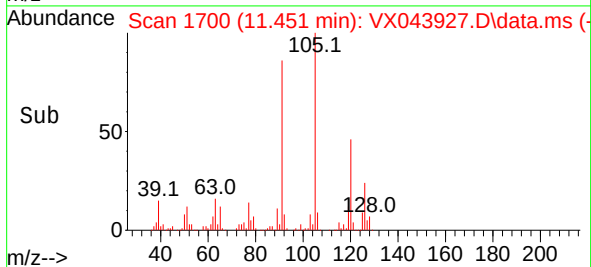
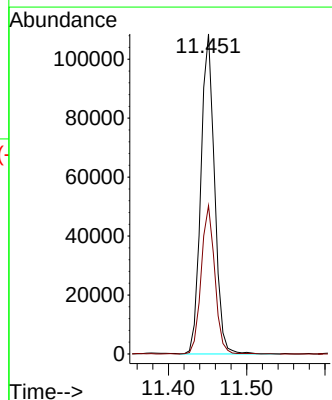
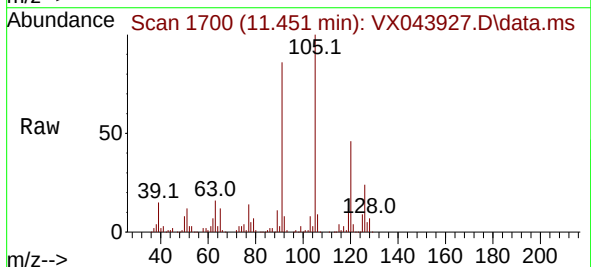
Acq: 21 Nov 2024 10:37

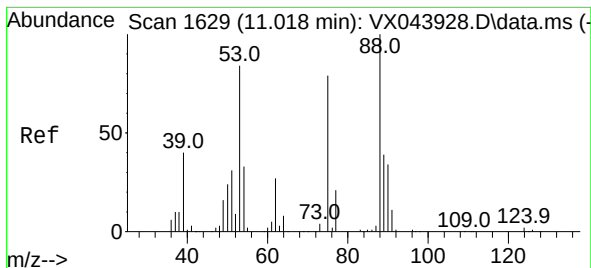
Tgt Ion:105 Resp: 132041

Ion Ratio Lower Upper

105 100

120 46.0 23.3 69.8

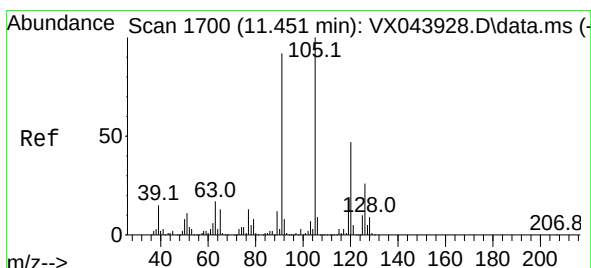
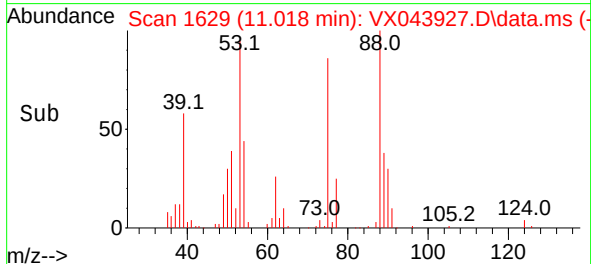
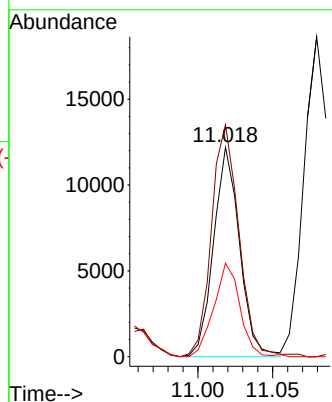
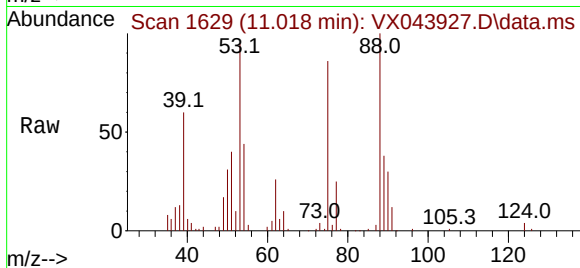




#81
trans-1,4-Dichloro-2-butene
Concen: 18.629 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

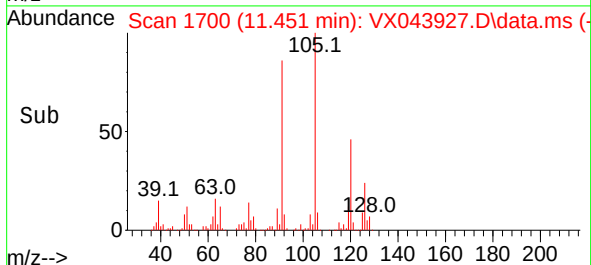
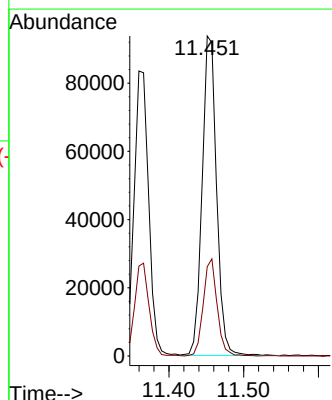
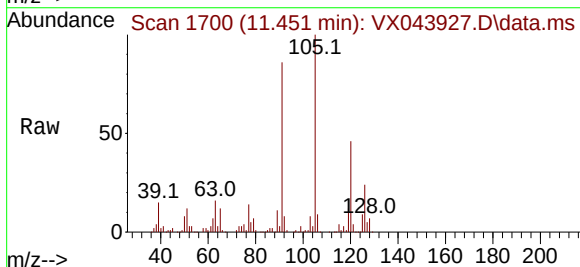
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

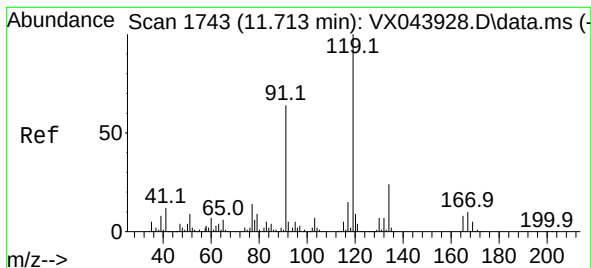
Tgt Ion: 75 Resp: 14743
Ion Ratio Lower Upper
75 100
53 116.9 86.7 130.1
89 44.8 38.2 57.2



#82
4-Chlorotoluene
Concen: 20.797 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521
Ion Ratio Lower Upper
91 100
126 29.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 20.839 ug/l

RT: 11.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

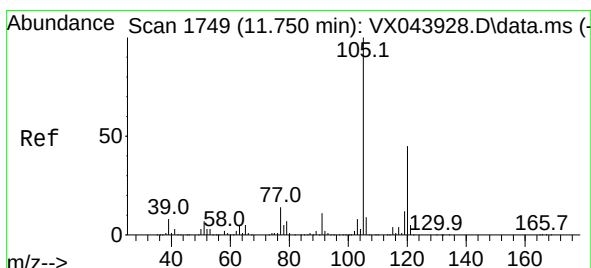
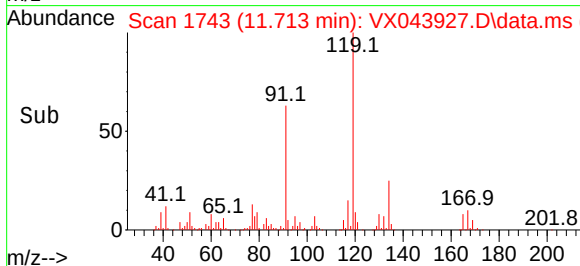
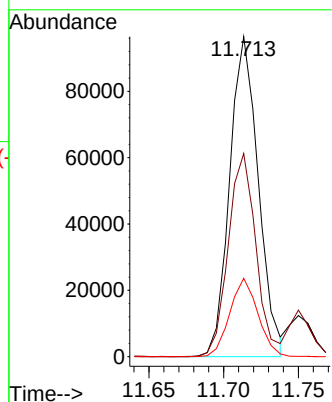
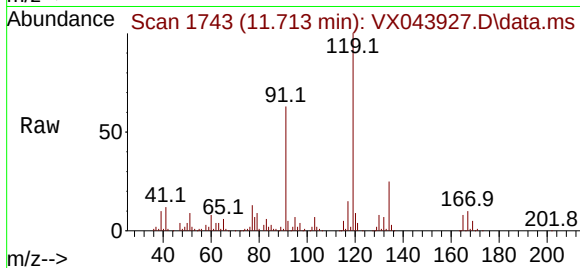
Tgt Ion:119 Resp: 128636

Ion Ratio Lower Upper

119 100

91 61.4 31.0 93.0

134 24.2 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 21.385 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043927.D

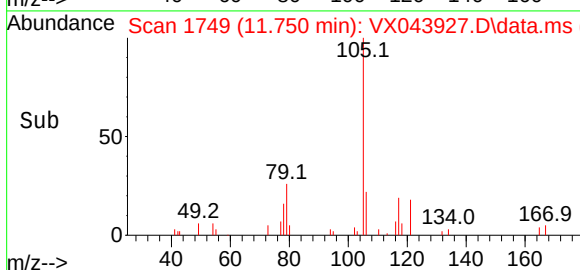
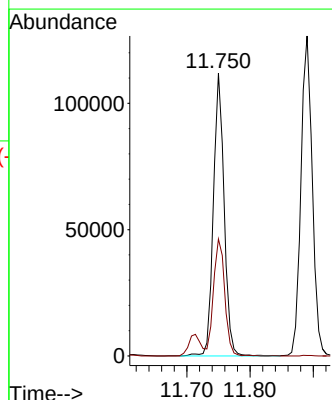
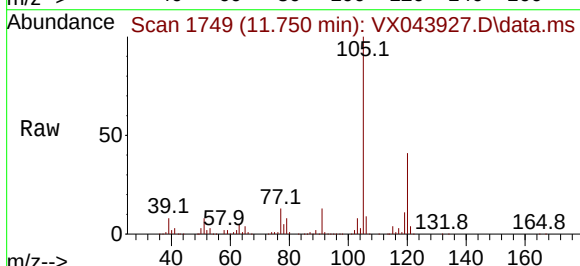
Acq: 21 Nov 2024 10:37

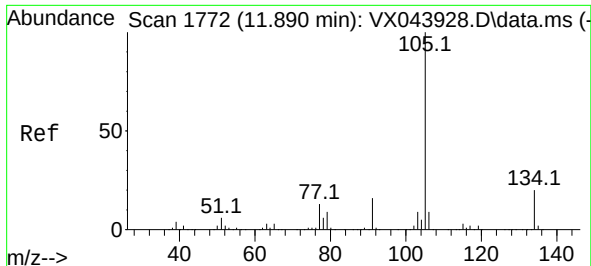
Tgt Ion:105 Resp: 132595

Ion Ratio Lower Upper

105 100

120 42.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.668 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

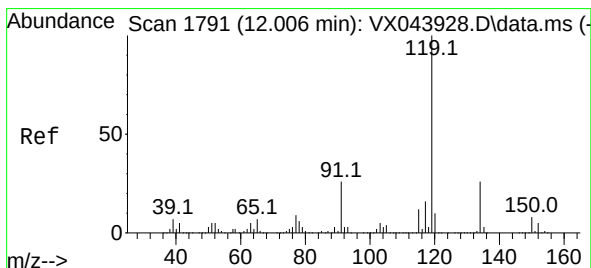
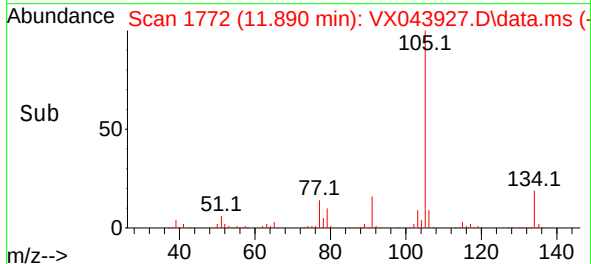
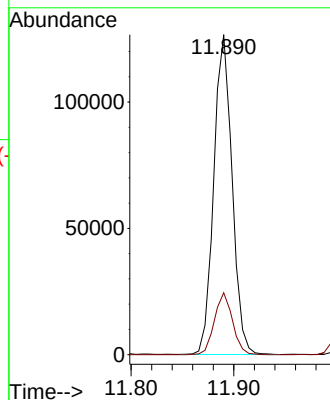
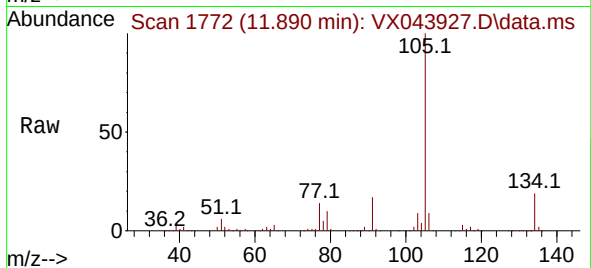
VSTDICC020

Tgt Ion:105 Resp: 156312

Ion Ratio Lower Upper

105 100

134 19.1 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.260 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

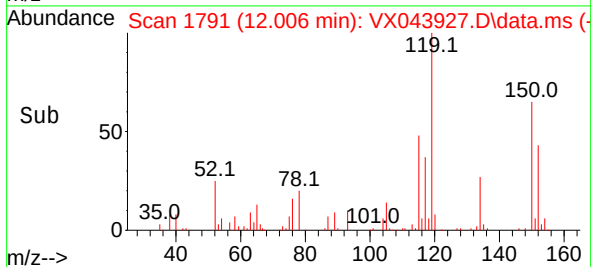
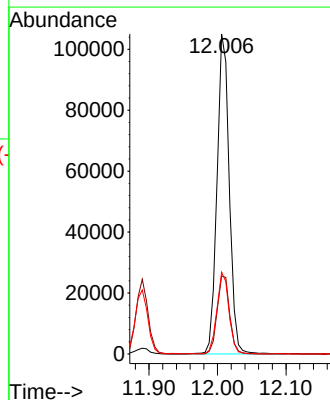
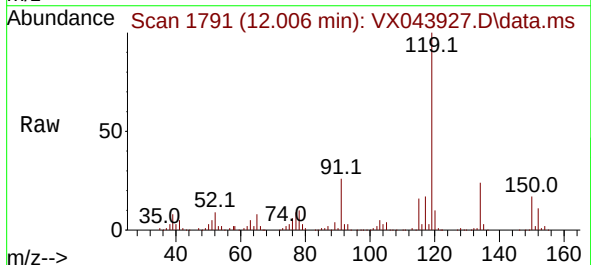
Tgt Ion:119 Resp: 130605

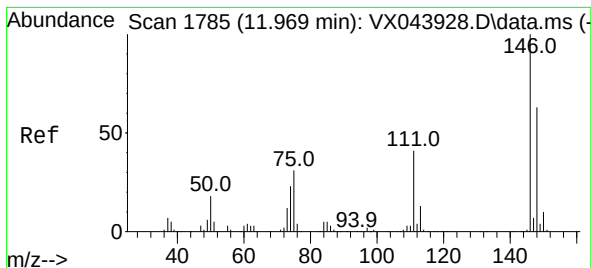
Ion Ratio Lower Upper

119 100

134 24.8 13.0 38.9

91 25.2 13.0 38.9

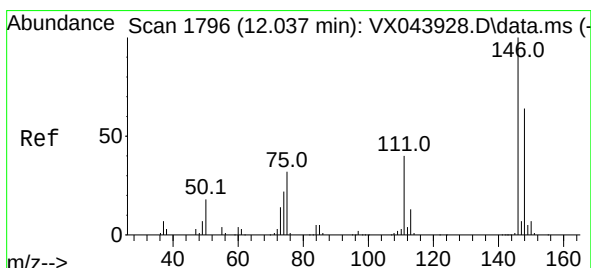
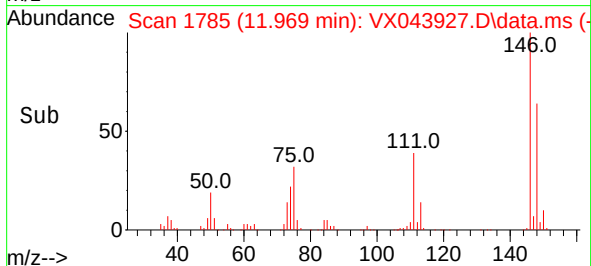
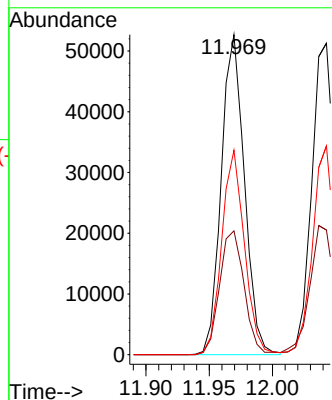
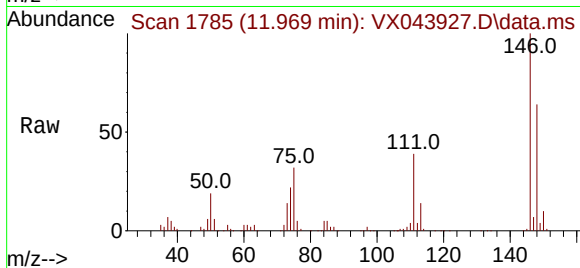




#87
1,3-Dichlorobenzene
Concen: 20.372 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

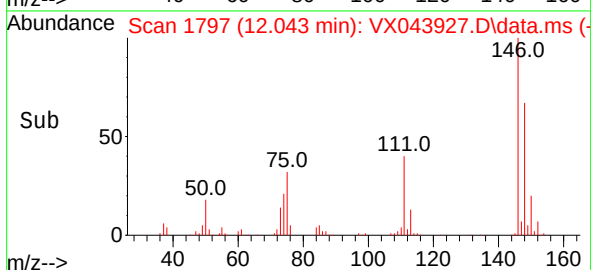
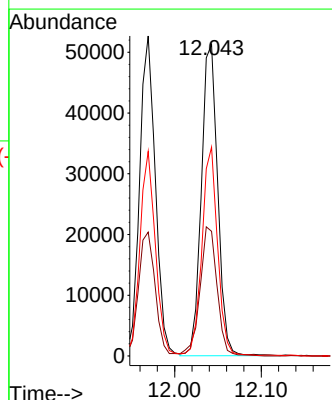
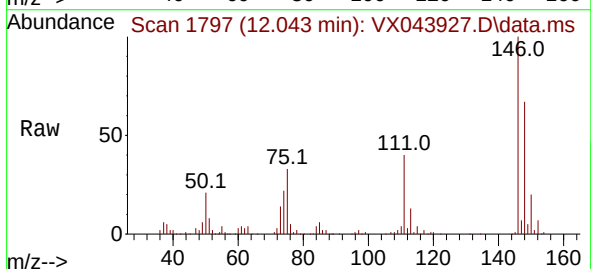
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

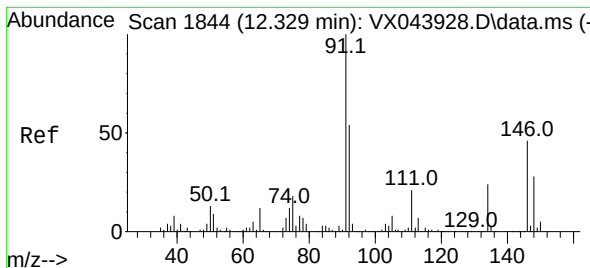
Tgt Ion:146 Resp: 67003
Ion Ratio Lower Upper
146 100
111 41.2 21.1 63.3
148 62.8 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 20.118 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67195
Ion Ratio Lower Upper
146 100
111 43.4 20.1 60.3
148 64.1 30.9 92.8





#89

n-Butylbenzene

Concen: 20.399 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

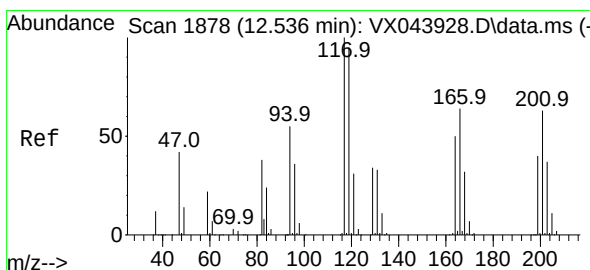
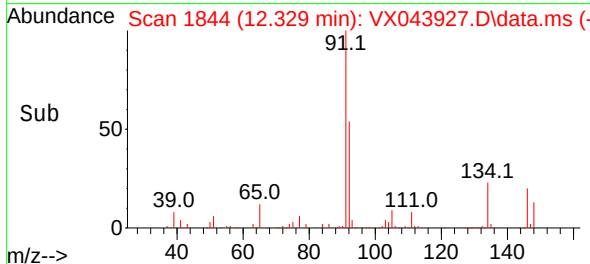
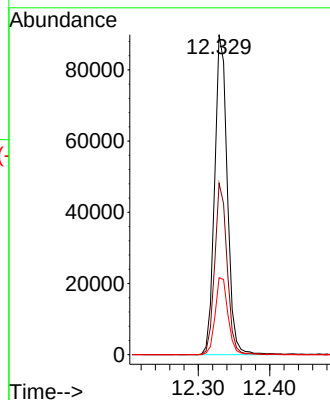
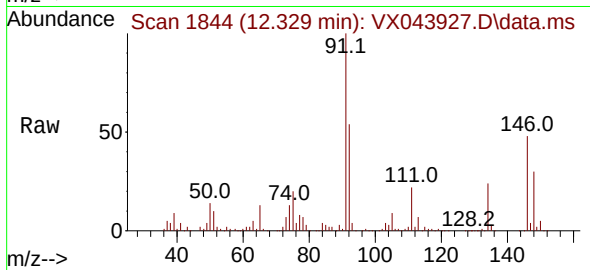
Tgt Ion: 91 Resp: 110491

Ion Ratio Lower Upper

91 100

92 52.3 26.6 79.8

134 24.4 12.4 37.2



#90

Hexachloroethane

Concen: 18.712 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043927.D

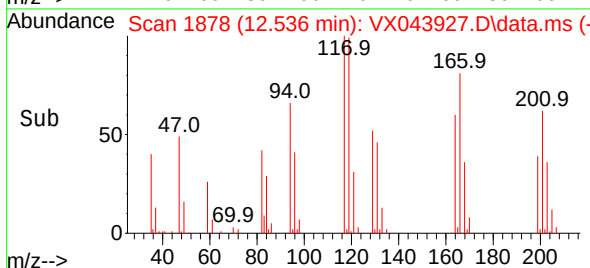
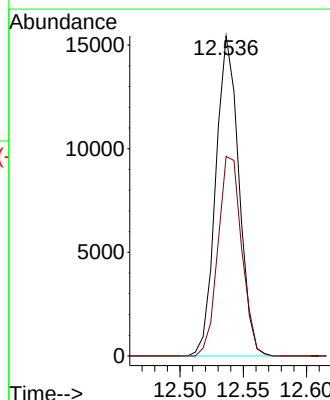
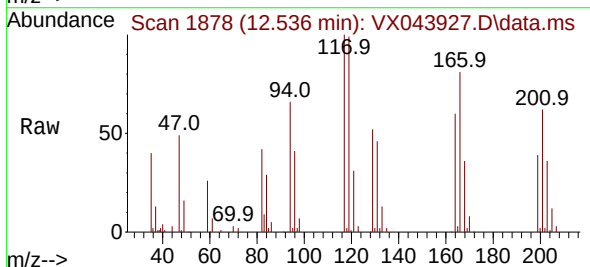
Acq: 21 Nov 2024 10:37

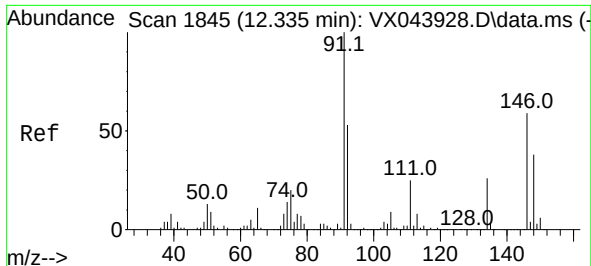
Tgt Ion: 117 Resp: 19547

Ion Ratio Lower Upper

117 100

201 64.5 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 20.443 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

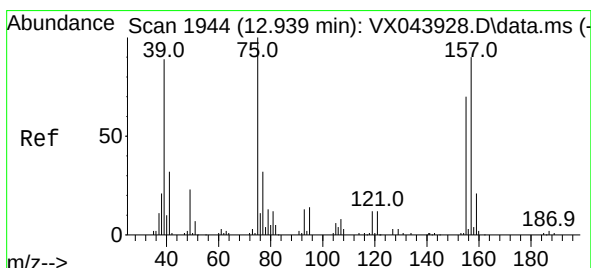
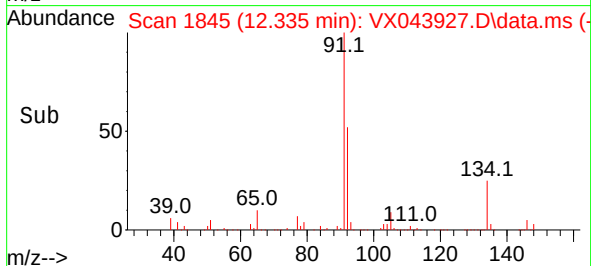
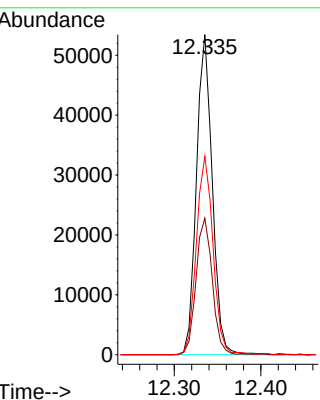
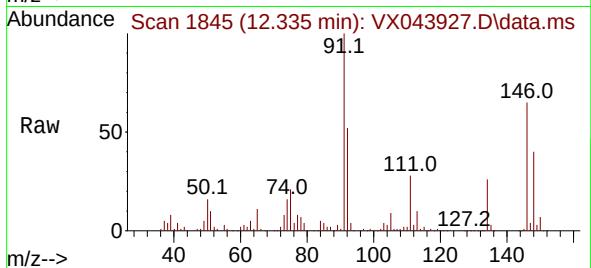
Tgt Ion:146 Resp: 67852

Ion Ratio Lower Upper

146 100

111 44.0 21.5 64.5

148 65.4 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.137 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

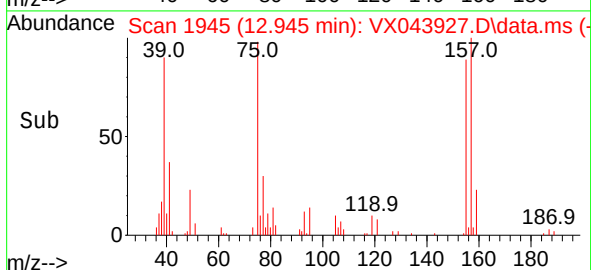
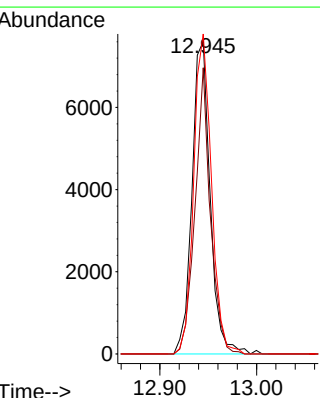
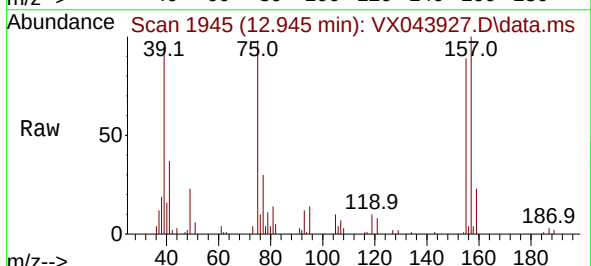
Tgt Ion: 75 Resp: 9939

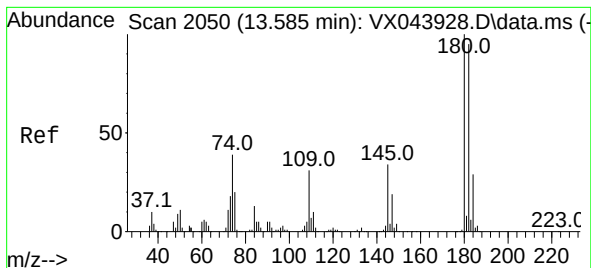
Ion Ratio Lower Upper

75 100

155 77.7 40.1 120.2

157 100.2 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 19.862 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

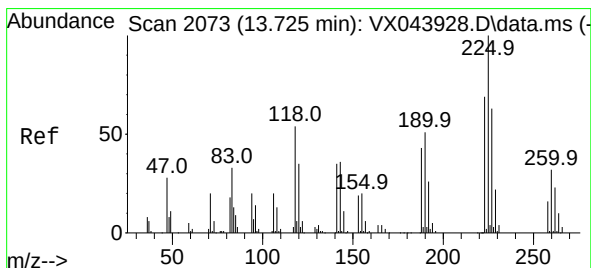
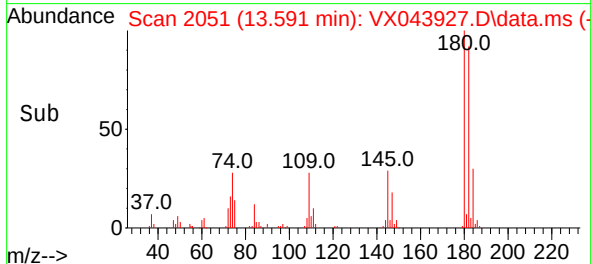
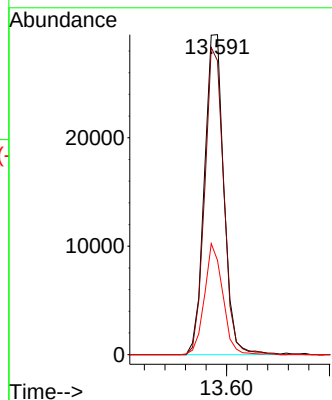
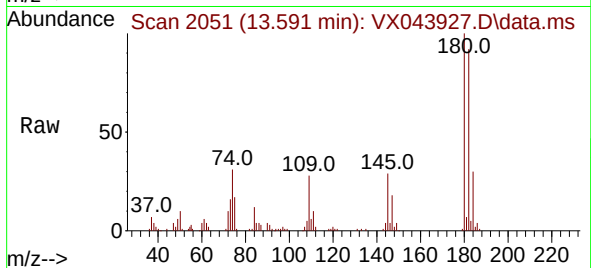
Tgt Ion:180 Resp: 38866

Ion Ratio Lower Upper

180 100

182 93.9 48.0 144.2

145 32.7 16.8 50.4



#94

Hexachlorobutadiene

Concen: 19.160 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

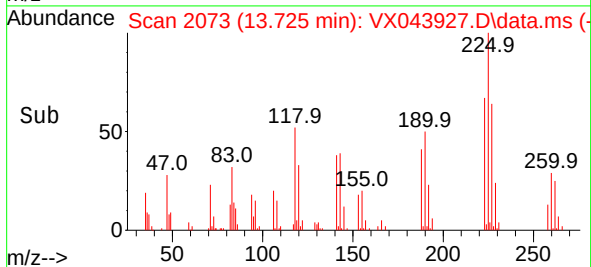
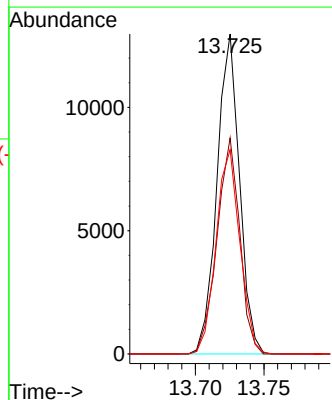
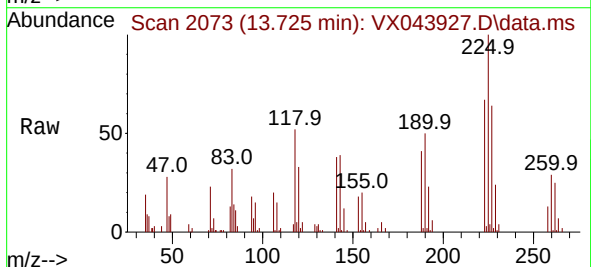
Tgt Ion:225 Resp: 14818

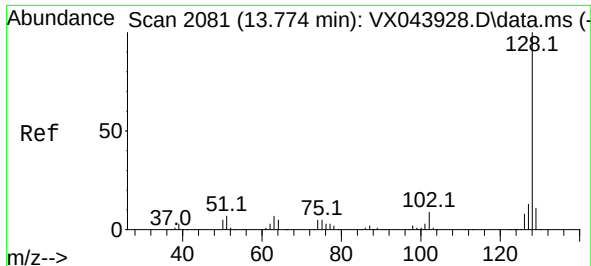
Ion Ratio Lower Upper

225 100

223 67.9 32.9 98.6

227 67.6 31.6 94.8





#95

Naphthalene

Concen: 20.681 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

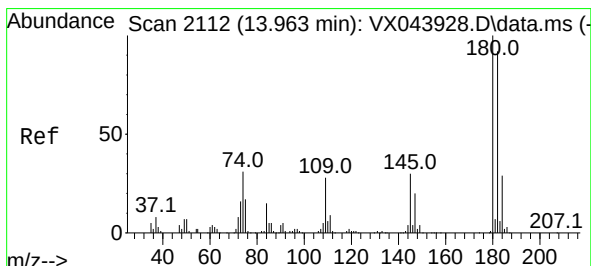
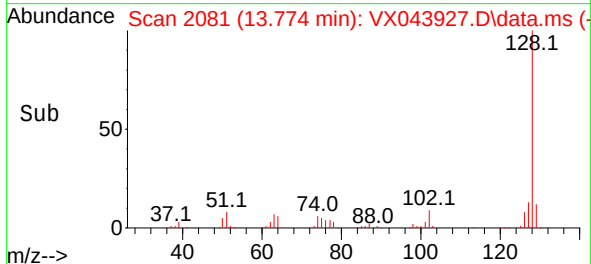
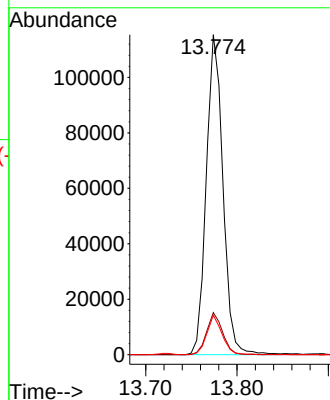
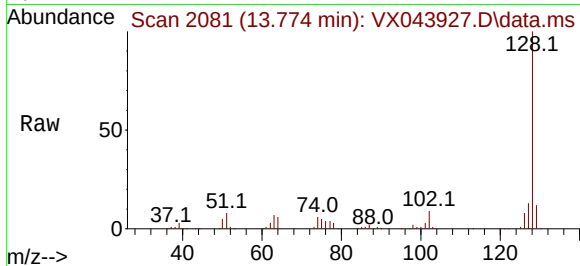
Tgt Ion:128 Resp: 145678

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.3 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 20.981 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

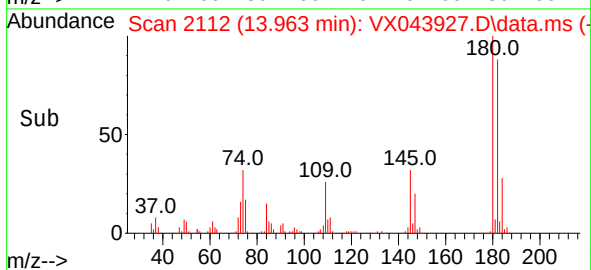
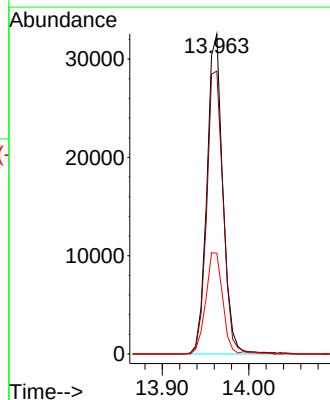
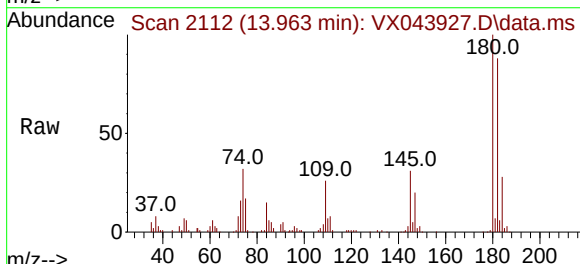
Tgt Ion:180 Resp: 41554

Ion Ratio Lower Upper

180 100

182 91.6 45.6 136.8

145 33.9 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	138578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100316	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104086	43.792	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.580%
35) Dibromofluoromethane	5.379	113	78954	45.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.460%
50) Toluene-d8	8.641	98	266650	44.803	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.600%
62) 4-Bromofluorobenzene	11.079	95	93510	46.166	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	94790	53.994	ug/l	100
3) Chloromethane	1.295	50	96646	52.315	ug/l	100
4) Vinyl Chloride	1.374	62	105586	53.734	ug/l	100
5) Bromomethane	1.593	94	61728	51.065	ug/l	100
6) Chloroethane	1.660	64	63580	53.102	ug/l	100
7) Trichlorofluoromethane	1.868	101	188045	53.527	ug/l	100
8) Diethyl Ether	2.130	74	65665	51.283	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	54.404	ug/l	100
10) Methyl Iodide	2.441	142	112083	53.554	ug/l	100
11) Tert butyl alcohol	2.995	59	100130	262.460	ug/l	100
12) 1,1-Dichloroethene	2.307	96	83087	52.033	ug/l	100
13) Acrolein	2.233	56	100647	250.289	ug/l	100
14) Allyl chloride	2.654	41	144663	55.443	ug/l	100
15) Acrylonitrile	3.063	53	256493	275.887	ug/l	100
16) Acetone	2.380	43	294611	269.872	ug/l	100
17) Carbon Disulfide	2.502	76	178294	54.130	ug/l	100
18) Methyl Acetate	2.703	43	136735	53.785	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	313754	54.114	ug/l	100
20) Methylene Chloride	2.782	84	92475	49.918	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	87752	53.227	ug/l	100
22) Diisopropyl ether	3.758	45	299631	53.704	ug/l	100
23) Vinyl Acetate	3.715	43	1344870	281.781	ug/l	100
24) 1,1-Dichloroethane	3.599	63	174008	54.063	ug/l	100
25) 2-Butanone	4.556	43	392575	278.700	ug/l	100
26) 2,2-Dichloropropane	4.465	77	158151	54.407	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	109742	53.852	ug/l	100
28) Bromochloromethane	4.885	49	62386	44.034	ug/l	100
29) Tetrahydrofuran	5.001	42	234208	271.213	ug/l	100
30) Chloroform	5.080	83	182404	52.691	ug/l	100
31) Cyclohexane	5.458	56	144224	54.443	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	164023	54.944	ug/l	100
36) 1,1-Dichloropropene	5.678	75	119269	55.435	ug/l	100
37) Ethyl Acetate	4.709	43	147393	55.189	ug/l	100
38) Carbon Tetrachloride	5.666	117	134725	55.729	ug/l	100
39) Methylcyclohexane	7.373	83	158586	56.738	ug/l	100
40) Benzene	6.025	78	360978	53.863	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	79507	58.165	ug/l	100
42) 1,2-Dichloroethane	6.074	62	145681	54.125	ug/l	100
43) Isopropyl Acetate	6.336	43	235856	55.492	ug/l	100
44) Trichloroethene	7.117	130	90015	47.447	ug/l	100
45) 1,2-Dichloropropane	7.422	63	89529	54.543	ug/l	100
46) Dibromomethane	7.574	93	70679	54.434	ug/l	100
47) Bromodichloromethane	7.818	83	131365	56.411	ug/l	100
48) Methyl methacrylate	7.690	41	112803	55.310	ug/l	100
49) 1,4-Dioxane	7.659	88	33402	949.925	ug/l	88
51) 4-Methyl-2-Pentanone	8.574	43	732582	282.442	ug/l	100
52) Toluene	8.714	92	222500	55.469	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	137451	57.881	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	147638	56.712	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	89441	54.016	ug/l	100
56) Ethyl methacrylate	9.116	69	148281	57.494	ug/l	100
57) 1,3-Dichloropropane	9.305	76	151124	54.180	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	262.805	ug/l	100
59) 2-Hexanone	9.427	43	568460	291.589	ug/l	100
60) Dibromochloromethane	9.519	129	95641	57.569	ug/l	100
61) 1,2-Dibromoethane	9.604	107	92940	55.510	ug/l	100
64) Tetrachloroethene	9.269	164	74157	52.988	ug/l	100
65) Chlorobenzene	10.080	112	243080	52.147	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	55.520	ug/l	100
67) Ethyl Benzene	10.189	91	429559	54.383	ug/l	100
68) m/p-Xylenes	10.299	106	323661	109.878	ug/l	100
69) o-Xylene	10.640	106	160643	55.856	ug/l	100
70) Styrene	10.653	104	268004	56.341	ug/l	100
71) Bromoform	10.799	173	60267	52.275	ug/l #	100
73) Isopropylbenzene	10.957	105	411000	53.299	ug/l	100
74) N-amyl acetate	10.842	43	200195	56.042	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	52.930	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	157199	72.666	ug/l	83
77) Bromobenzene	11.195	156	97761	53.145	ug/l	100
78) n-propylbenzene	11.299	91	474802	55.131	ug/l	100
79) 2-Chlorotoluene	11.360	91	286649	52.636	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	54.465	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	55.136	ug/l	100
82) 4-Chlorotoluene	11.451	91	333946	54.315	ug/l	100
83) tert-Butylbenzene	11.713	119	345112	54.884	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	345112	54.640	ug/l	100
85) sec-Butylbenzene	11.890	105	426284	55.331	ug/l	100
86) p-Isopropyltoluene	12.006	119	353256	56.448	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	176936	52.812	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	178728	52.530	ug/l	100
89) n-Butylbenzene	12.329	91	319448	57.897	ug/l	100
90) Hexachloroethane	12.536	117	59010	55.453	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	177334	52.449	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	53.806	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.556	ug/l	100
94) Hexachlorobutadiene	13.725	225	41267	52.382	ug/l	100
95) Naphthalene	13.774	128	401752	55.990	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	55.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

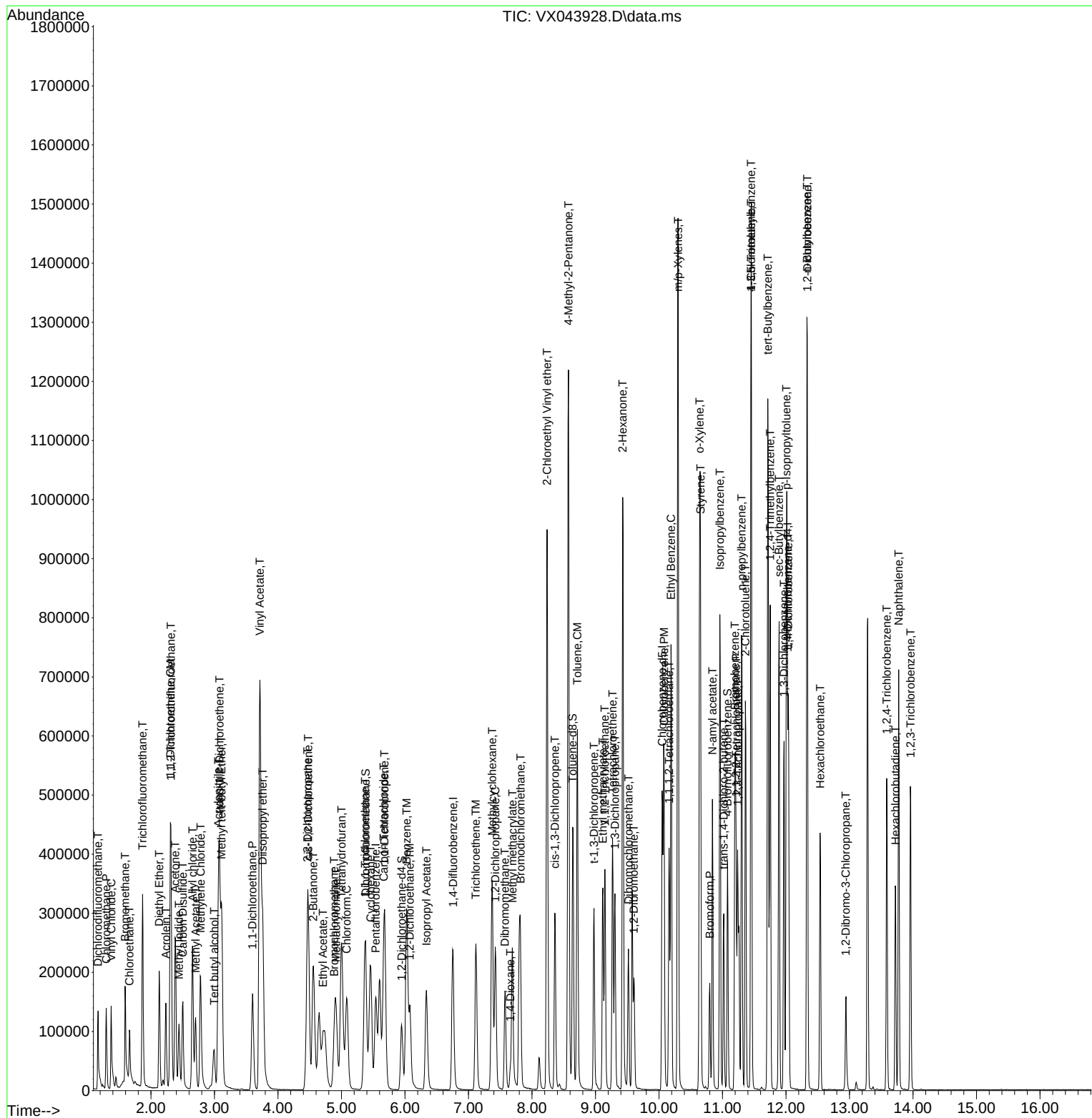
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

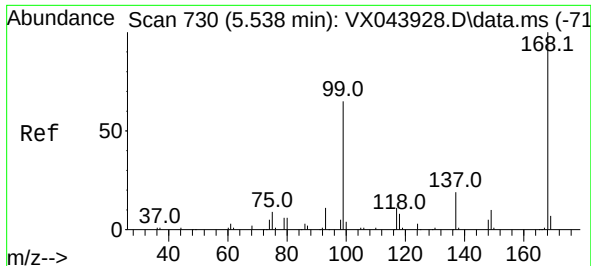
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On    : 21 Nov 2024  11:17
Operator  : JC/MD
Sample    : VSTDICCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 15   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

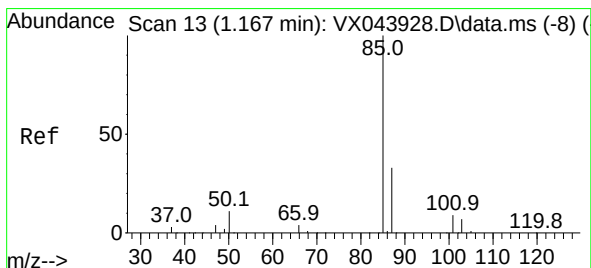
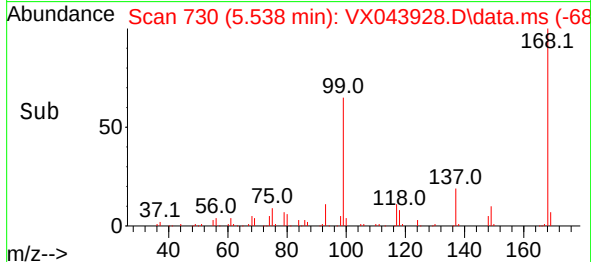
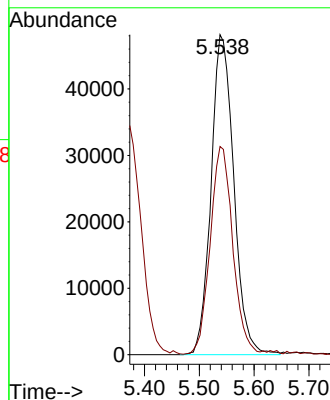
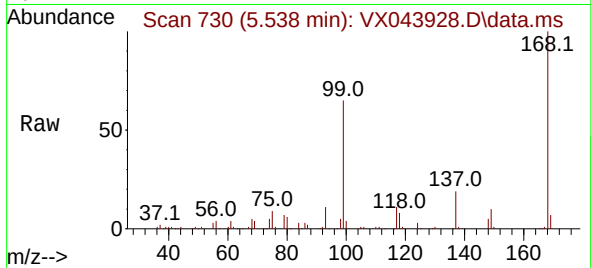




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

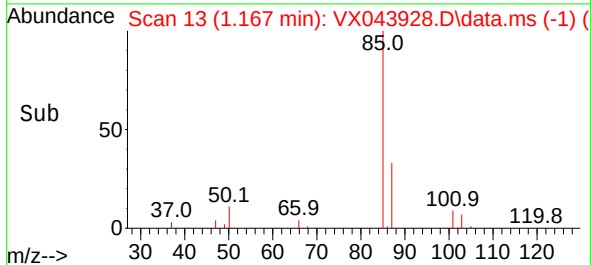
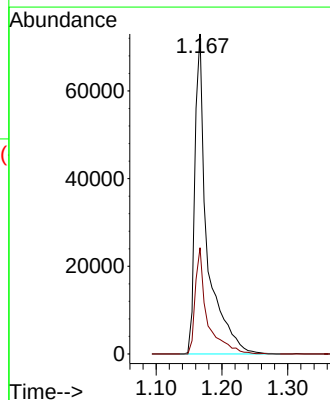
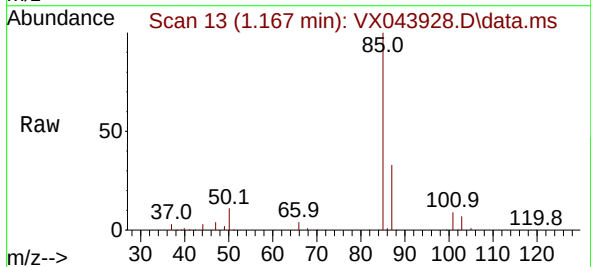
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

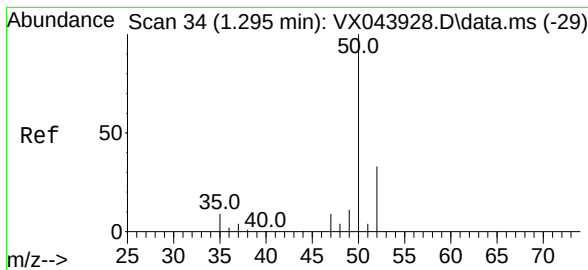
Tgt Ion:168 Resp: 138578
Ion Ratio Lower Upper
168 100
99 64.8 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 53.994 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8

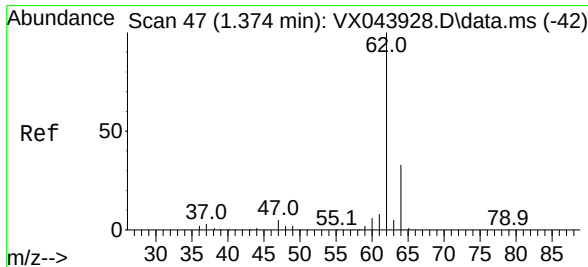
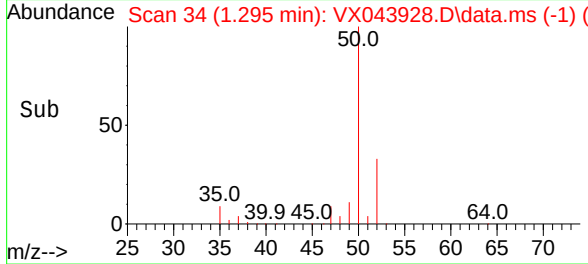
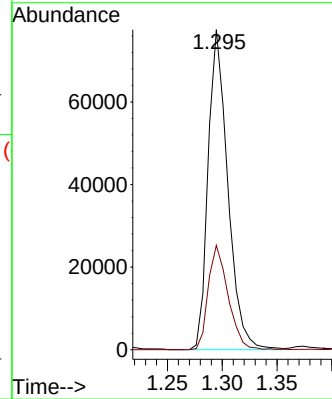
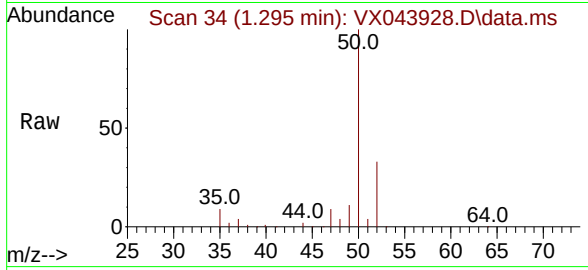




#3
Chloromethane
Concen: 52.315 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

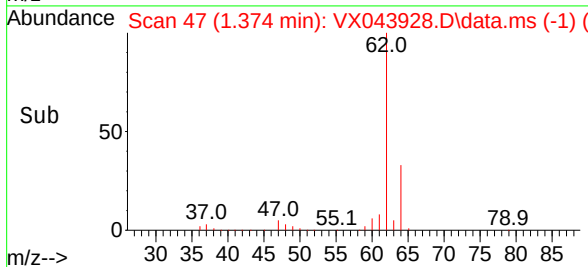
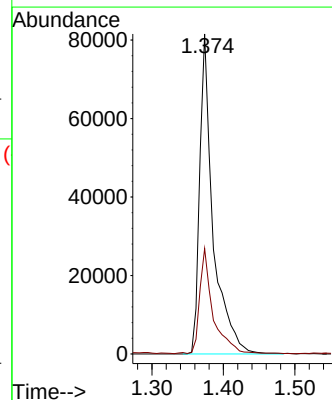
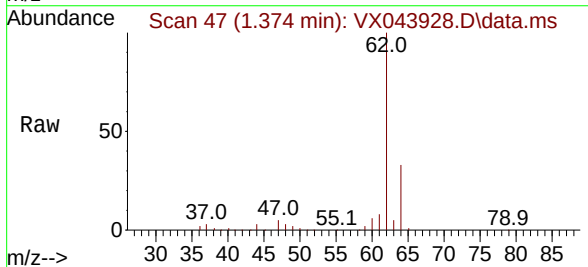
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

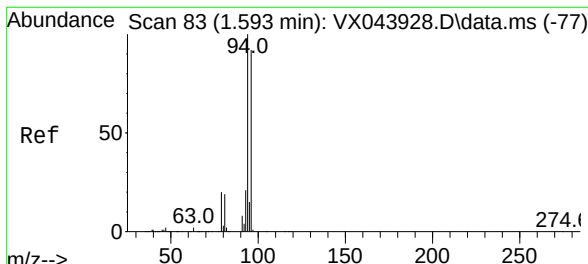
Tgt Ion: 50 Resp: 96646
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1



#4
Vinyl Chloride
Concen: 53.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586
Ion Ratio Lower Upper
62 100
64 32.8 26.2 39.4



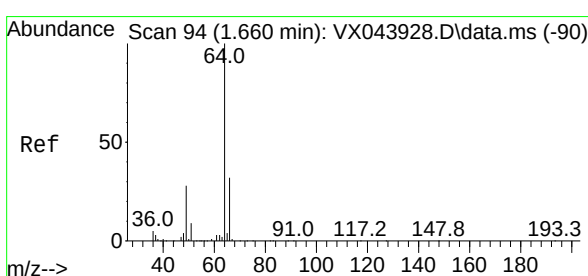
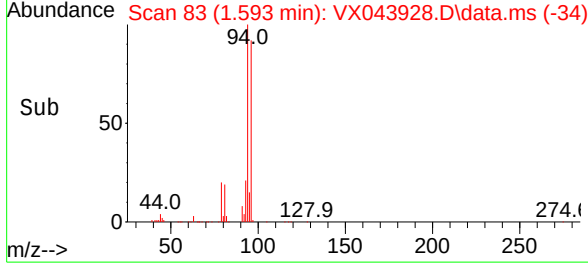
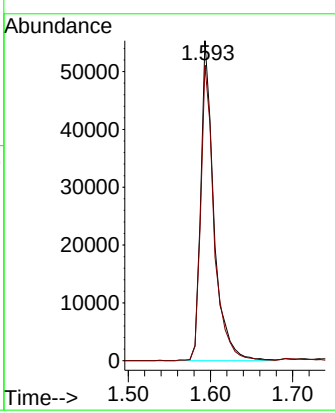
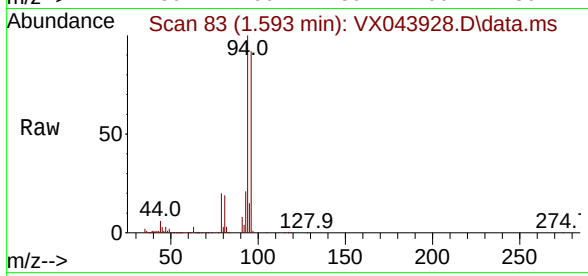


#5
 Bromomethane
 Concen: 51.065 ug/l
 RT: 1.593 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 94 Resp: 61728

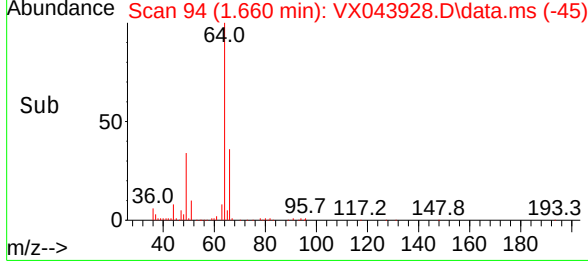
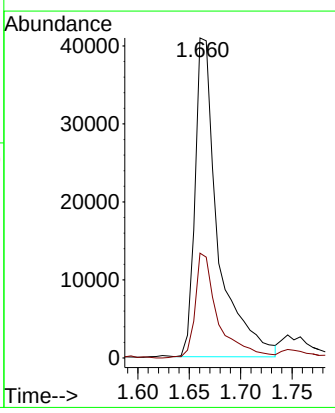
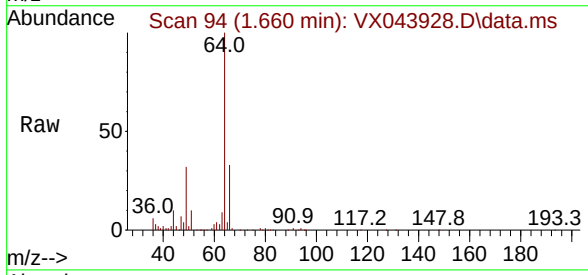
Ion	Ratio	Lower	Upper
94	100		
96	92.4	73.9	110.9

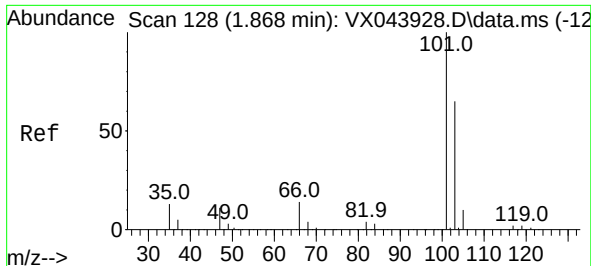


#6
 Chloroethane
 Concen: 53.102 ug/l
 RT: 1.660 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.9	38.9

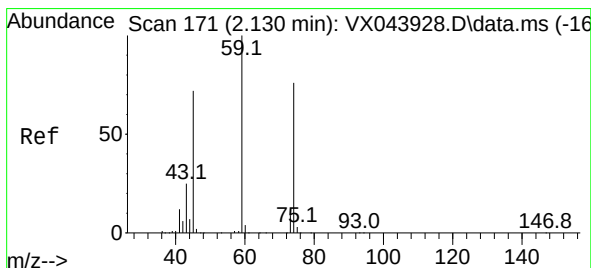
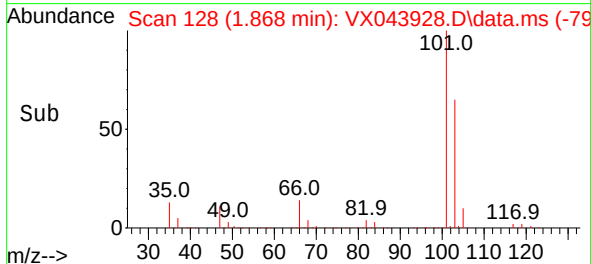
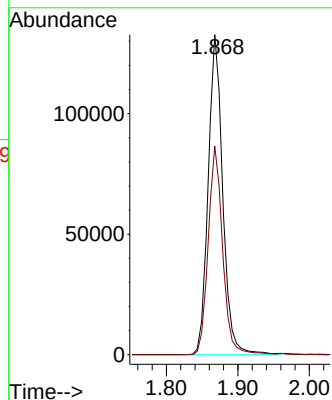
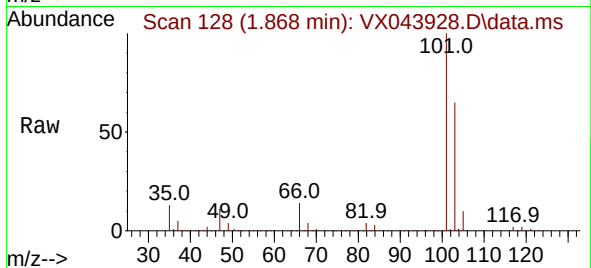




#7
Trichlorofluoromethane
Concen: 53.527 ug/l
RT: 1.868 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

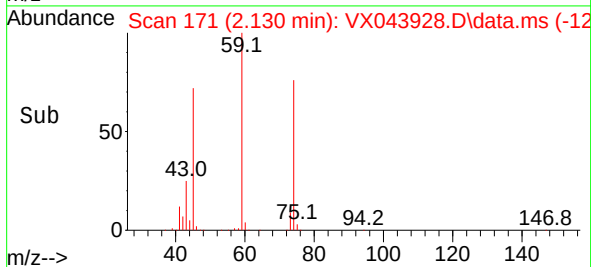
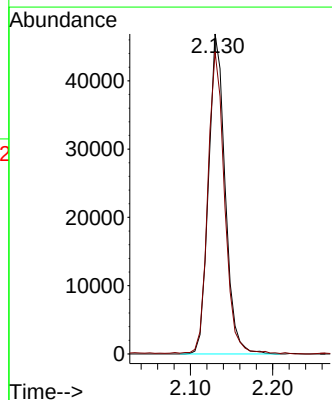
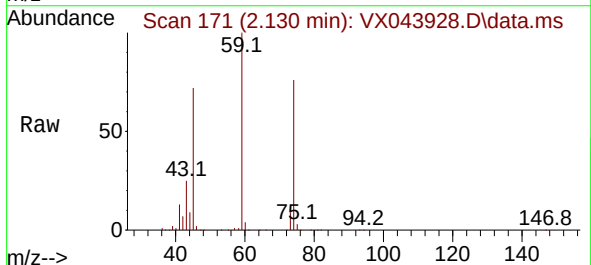
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

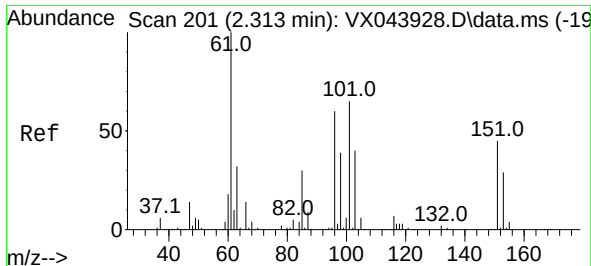
Tgt Ion:101 Resp: 188045
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2



#8
Diethyl Ether
Concen: 51.283 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665
Ion Ratio Lower Upper
74 100
45 95.7 47.9 143.6

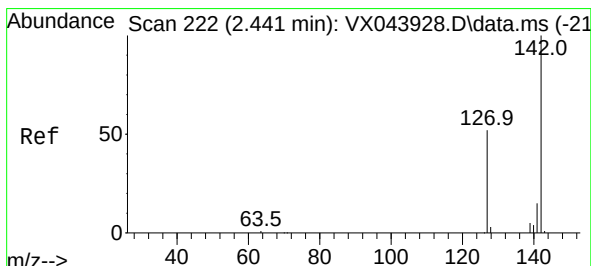
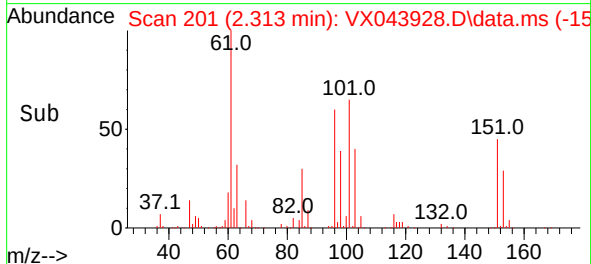
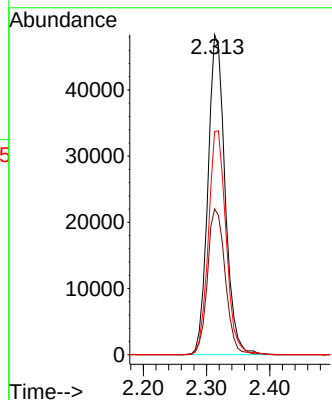
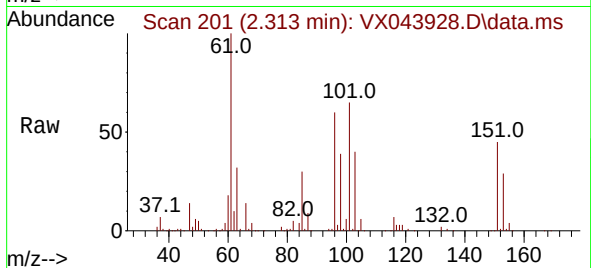




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.404 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

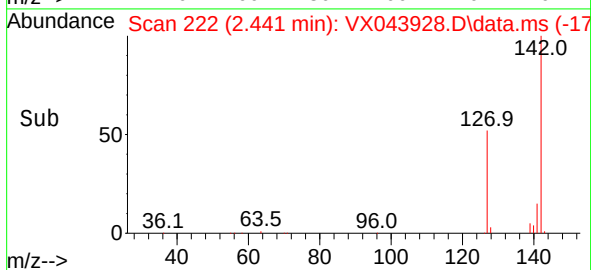
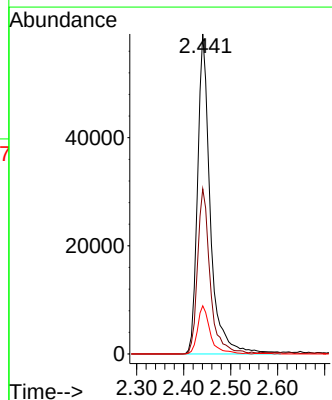
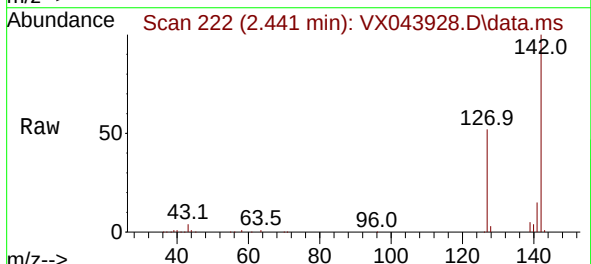
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

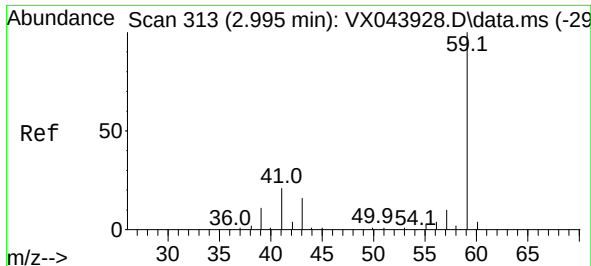
Tgt Ion:101 Resp: 91167
Ion Ratio Lower Upper
101 100
85 47.4 37.9 56.9
151 71.9 57.5 86.3



#10
Methyl Iodide
Concen: 53.554 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083
Ion Ratio Lower Upper
142 100
127 50.9 40.7 61.1
141 15.0 12.0 18.0

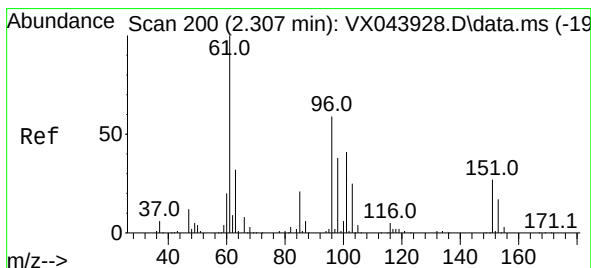
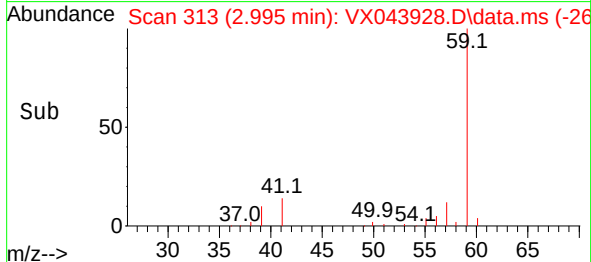
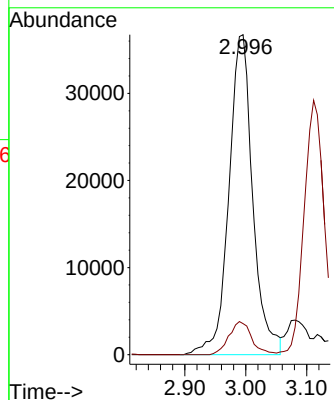
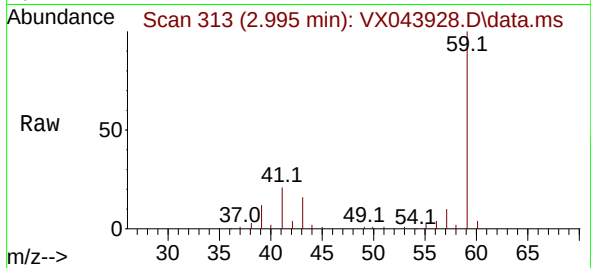




#11
Tert butyl alcohol
Concen: 262.460 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

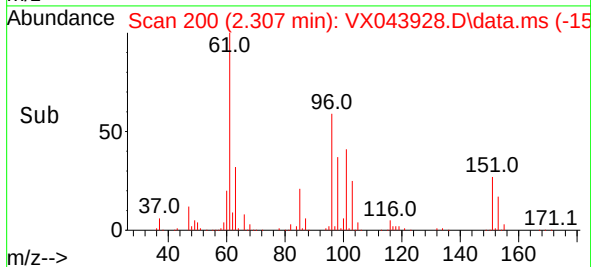
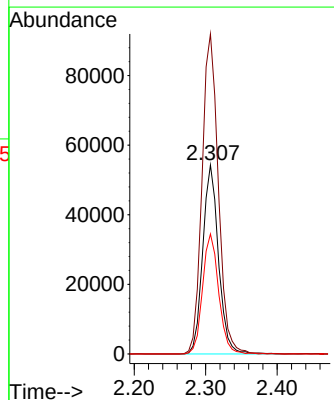
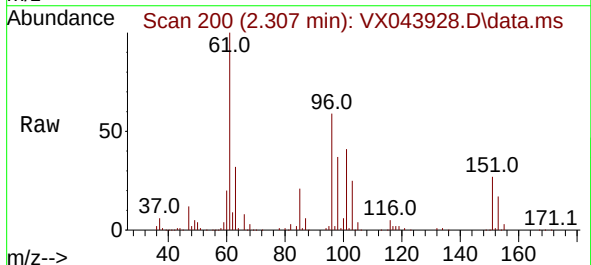
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

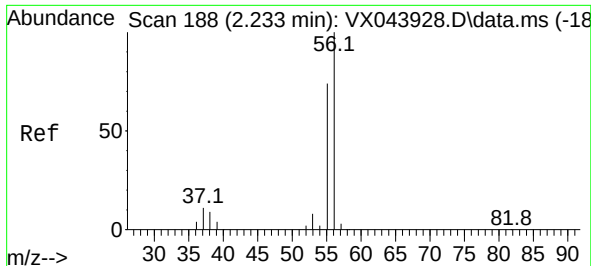
Tgt Ion: 59 Resp: 100130
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9



#12
1,1-Dichloroethene
Concen: 52.033 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087
Ion Ratio Lower Upper
96 100
61 169.4 135.5 203.3
98 63.5 50.8 76.2

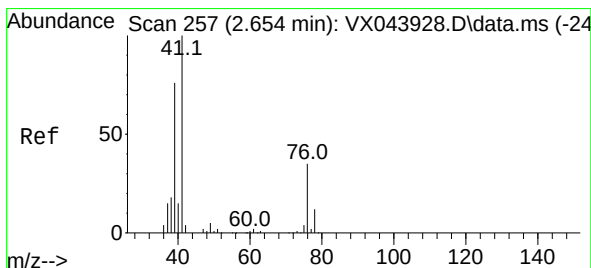
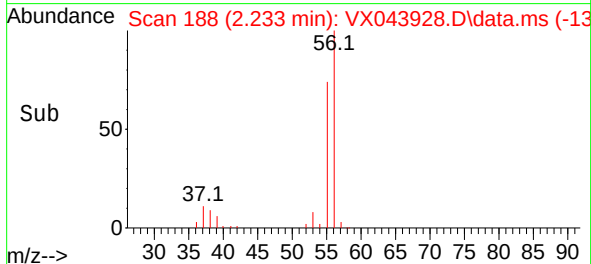
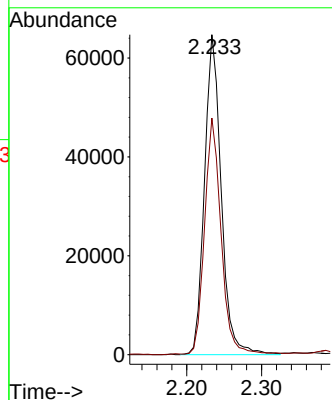
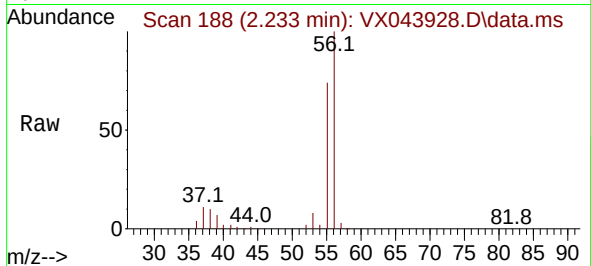




#13
Acrolein
Concen: 250.289 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

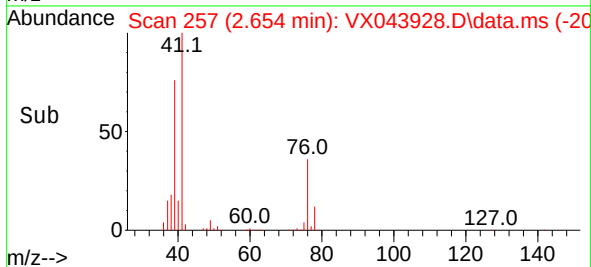
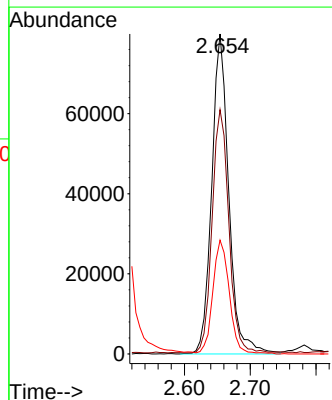
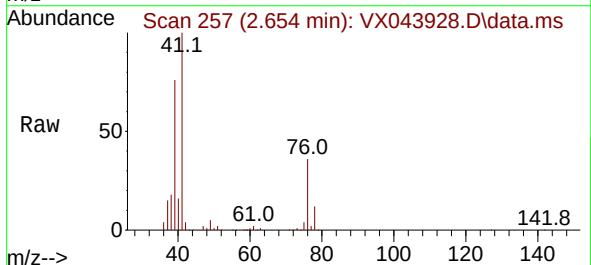
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

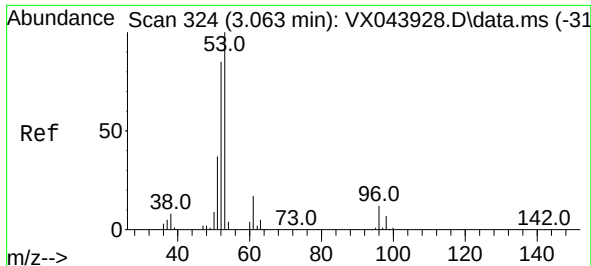
Tgt Ion: 56 Resp: 100647
Ion Ratio Lower Upper
56 100
55 72.7 58.2 87.2



#14
Allyl chloride
Concen: 55.443 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663
Ion Ratio Lower Upper
41 100
39 74.4 59.5 89.3
76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 275.887 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

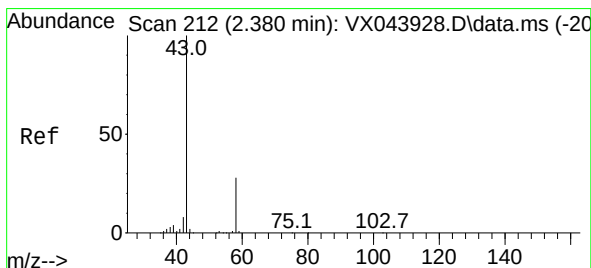
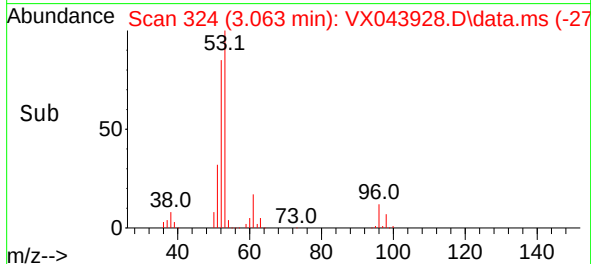
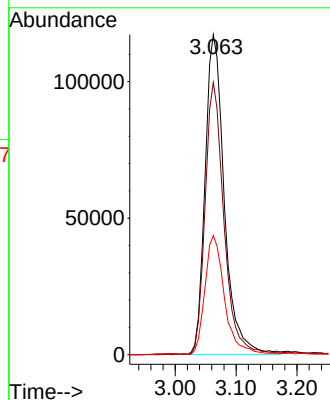
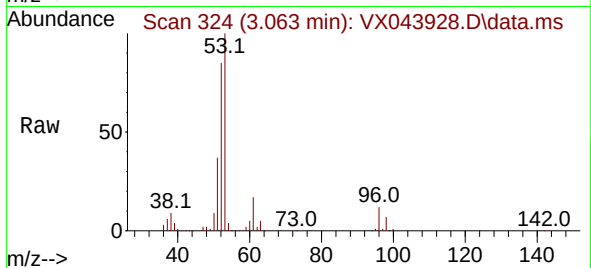
Tgt Ion: 53 Resp: 256493

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

51 37.8 30.2 45.4



#16

Acetone

Concen: 269.872 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX043928.D

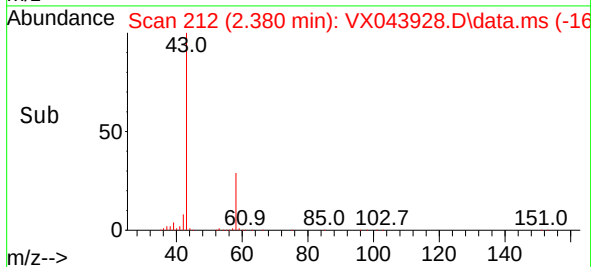
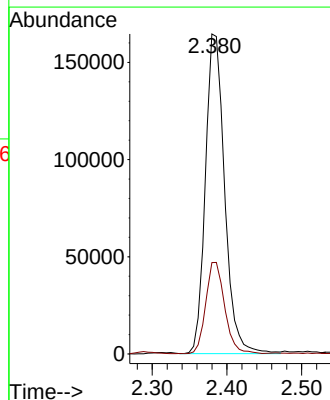
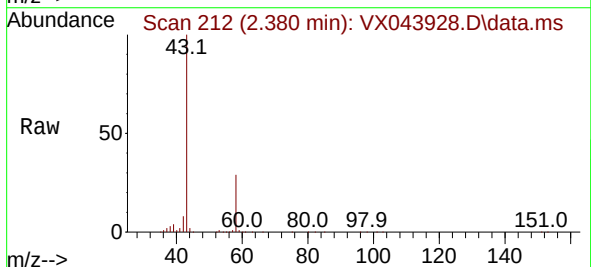
Acq: 21 Nov 2024 11:17

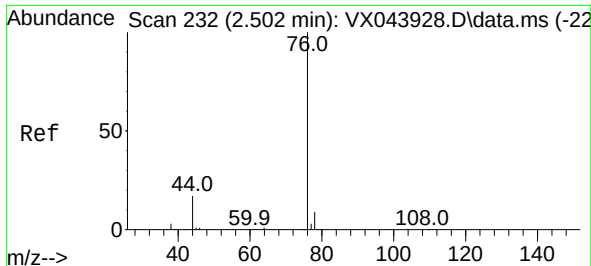
Tgt Ion: 43 Resp: 294611

Ion Ratio Lower Upper

43 100

58 28.4 22.7 34.1

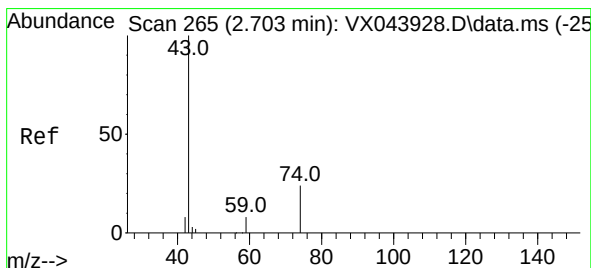
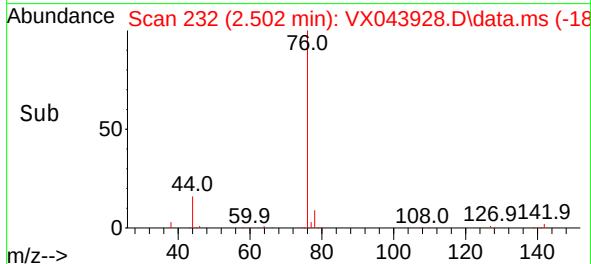
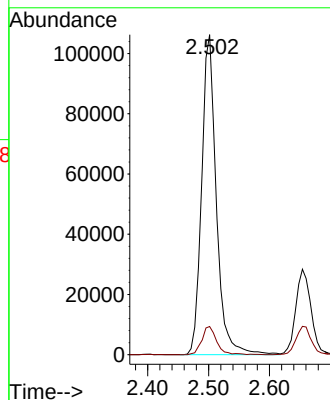
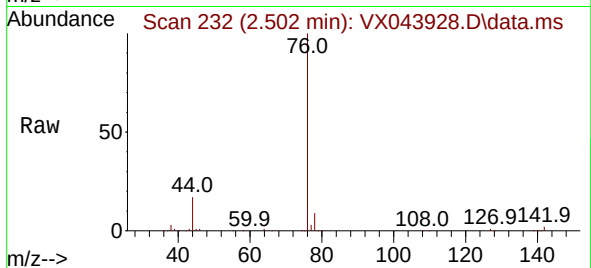




#17
Carbon Disulfide
Concen: 54.130 ug/l
RT: 2.502 min Scan# 241
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

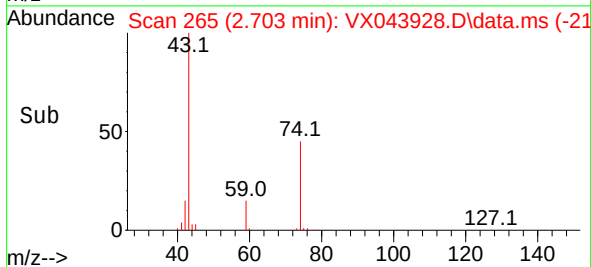
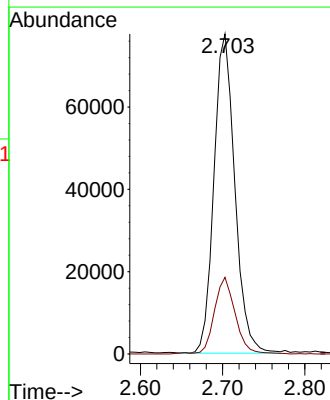
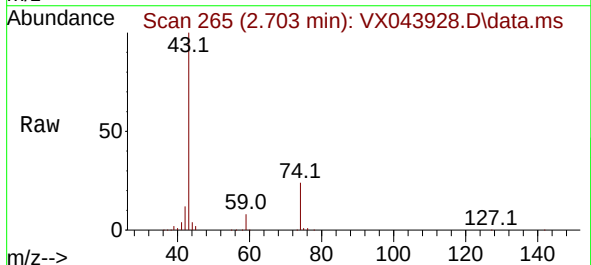
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

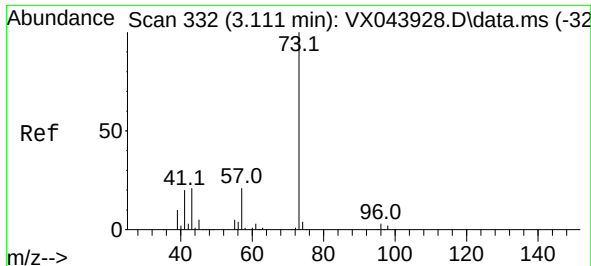
Tgt Ion: 76 Resp: 178294
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 53.785 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 54.114 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

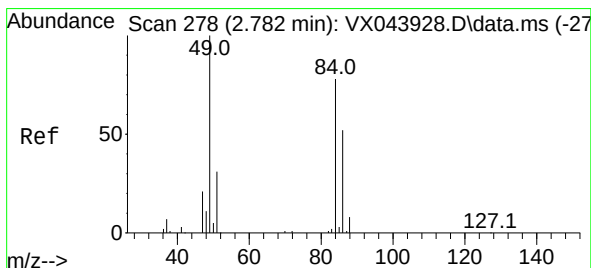
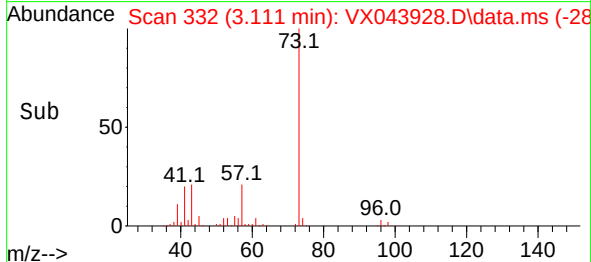
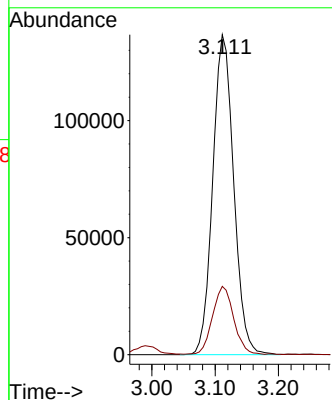
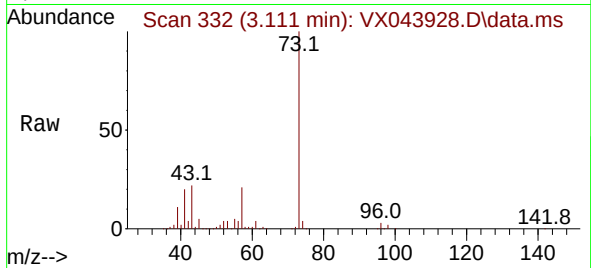
VSTDICCC050

Tgt Ion: 73 Resp: 313754

Ion Ratio Lower Upper

73 100

57 21.3 17.0 25.6



#20

Methylene Chloride

Concen: 49.918 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

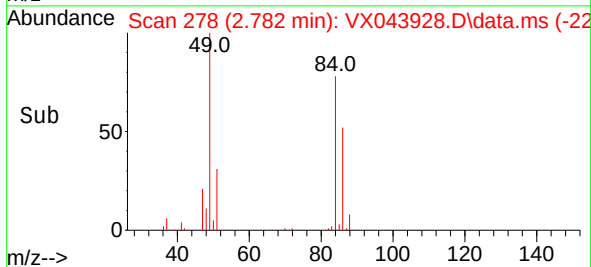
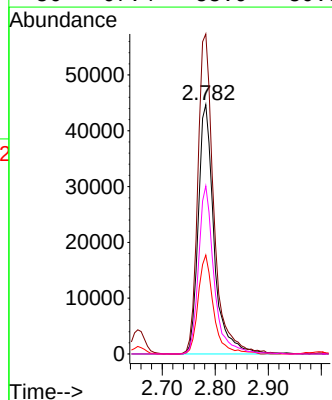
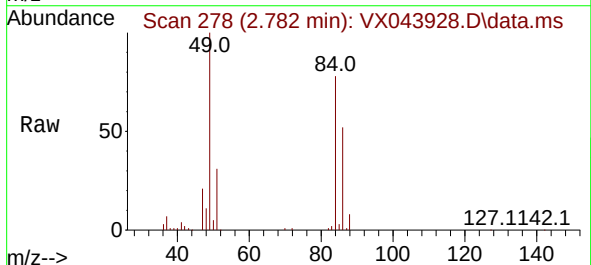
Ion Ratio Lower Upper

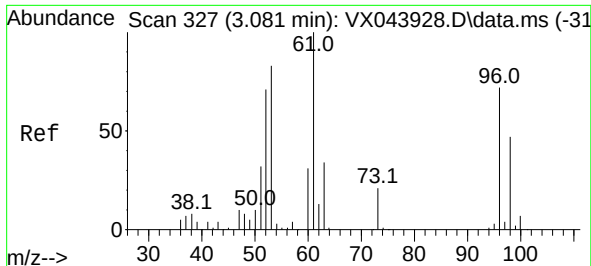
84 100

49 128.4 102.7 154.1

51 39.6 31.7 47.5

86 67.4 53.9 80.9

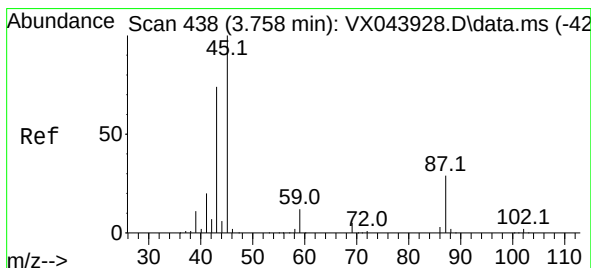
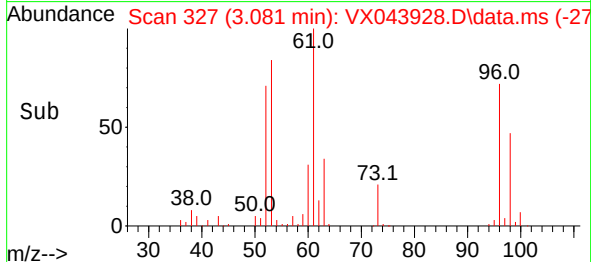
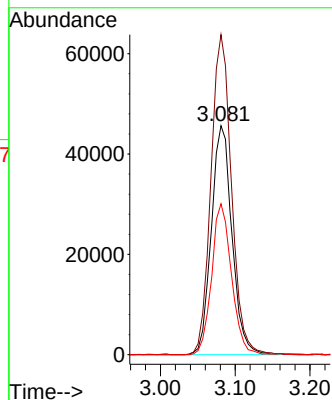
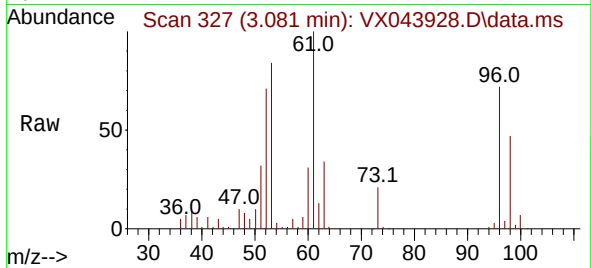




#21
trans-1,2-Dichloroethene
Concen: 53.227 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

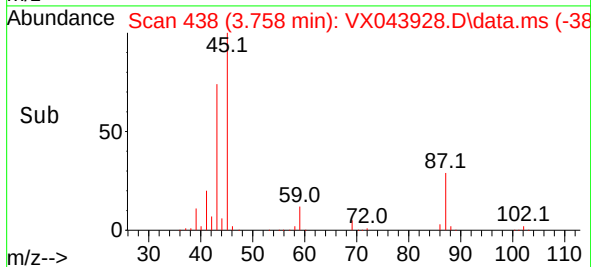
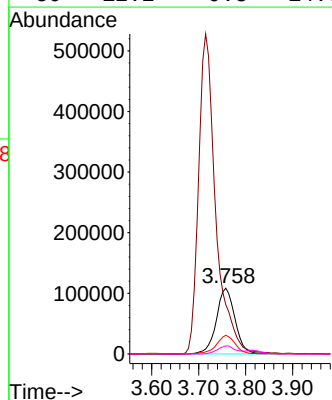
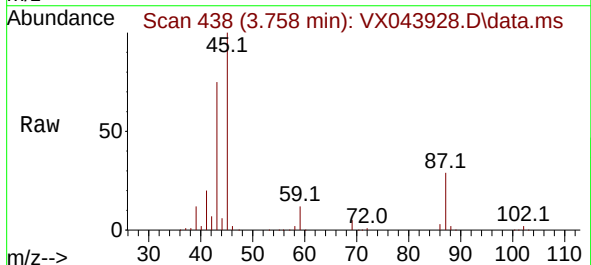
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

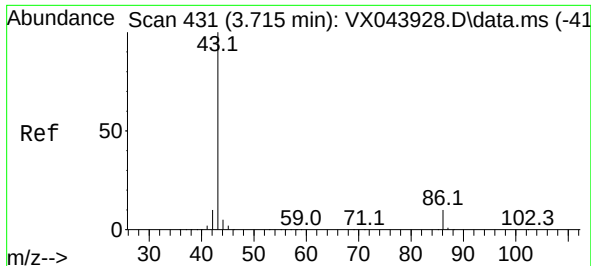
Tgt Ion: 96 Resp: 87752
Ion Ratio Lower Upper
96 100
61 139.7 111.8 167.6
98 65.9 52.7 79.1



#22
Diisopropyl ether
Concen: 53.704 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631
Ion Ratio Lower Upper
45 100
43 74.5 59.6 89.4
87 28.6 22.9 34.3
59 12.2 9.8 14.6

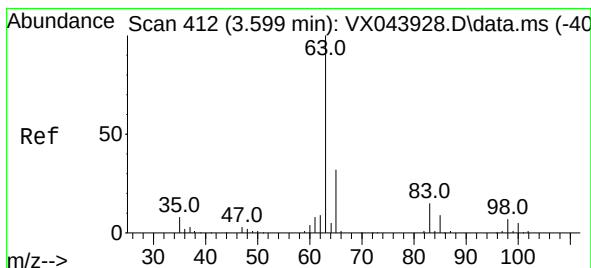
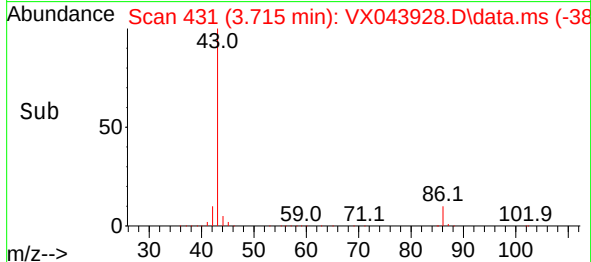
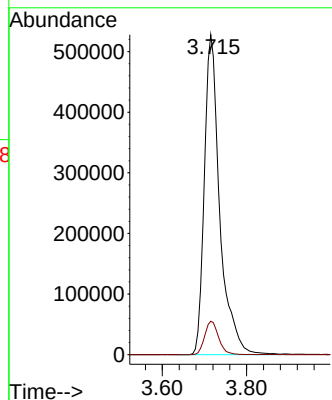
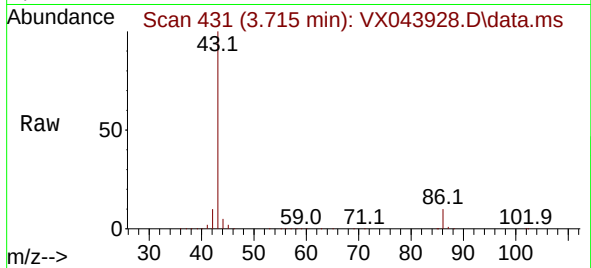




#23
 Vinyl Acetate
 Concen: 281.781 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

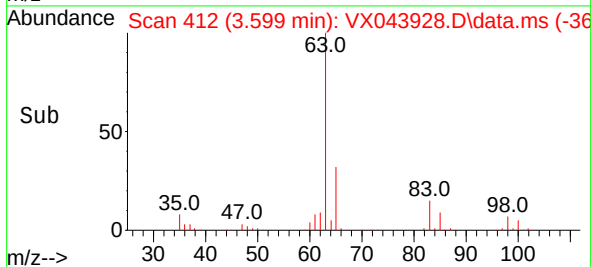
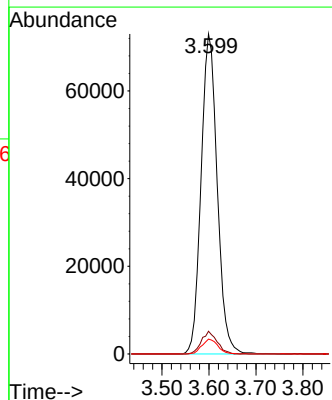
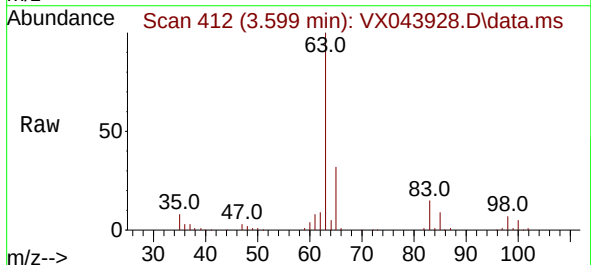
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

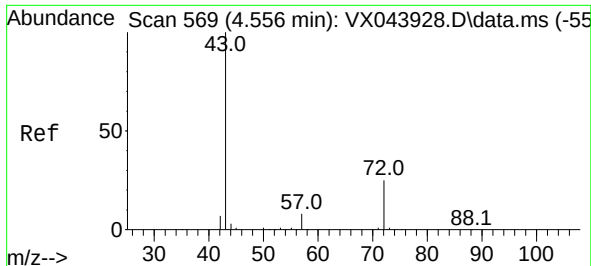
Tgt Ion: 43 Resp: 1344870
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 54.063 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.6
 100 4.7 2.4 7.1

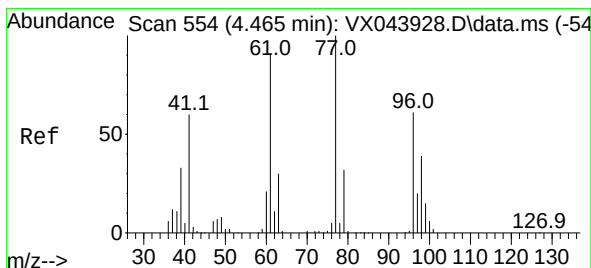
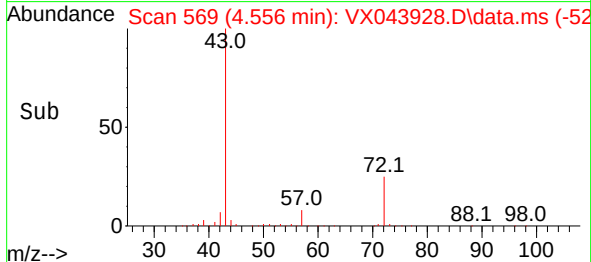
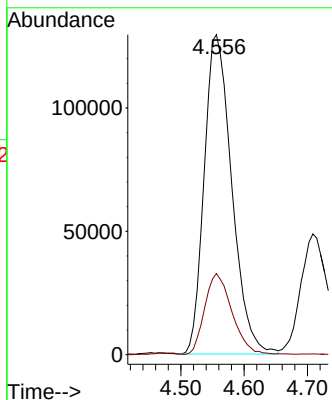
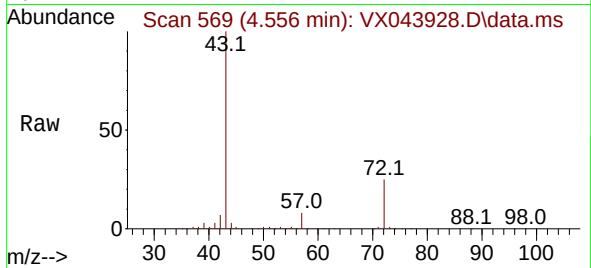




#25
2-Butanone
Concen: 278.700 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

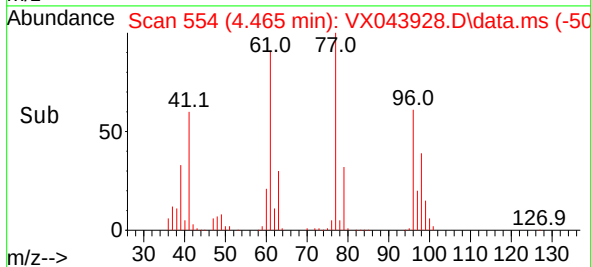
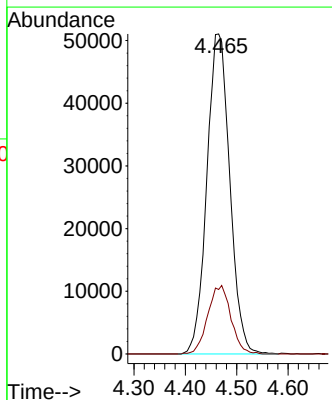
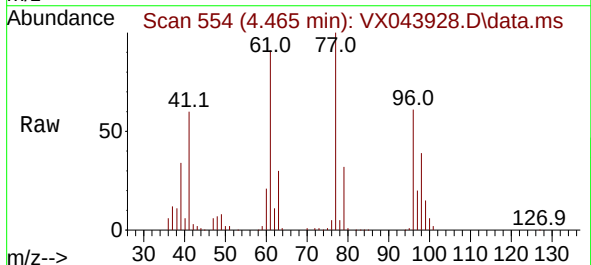
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

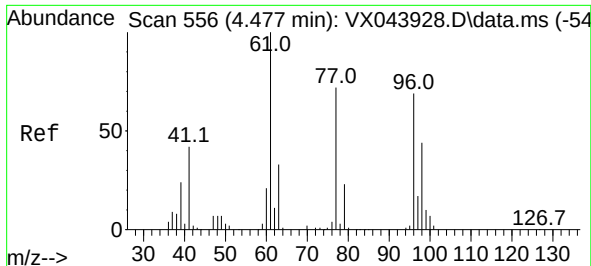
Tgt Ion: 43 Resp: 392575
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.2



#26
2,2-Dichloropropane
Concen: 54.407 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151
Ion Ratio Lower Upper
77 100
97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 53.852 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

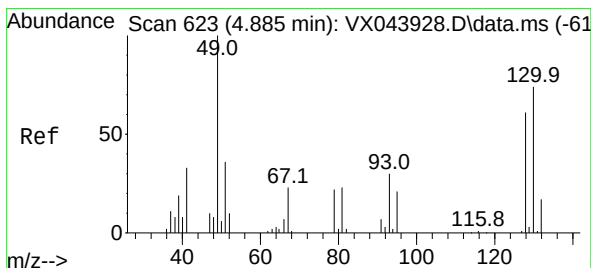
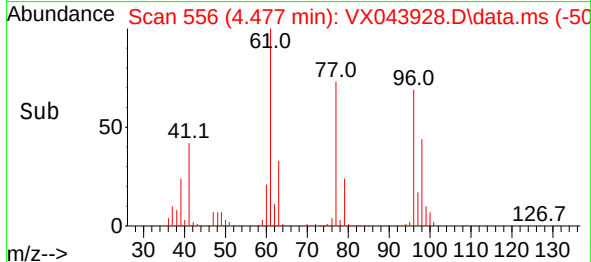
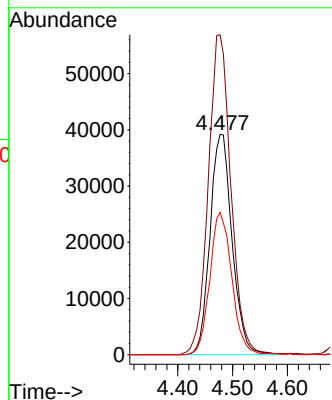
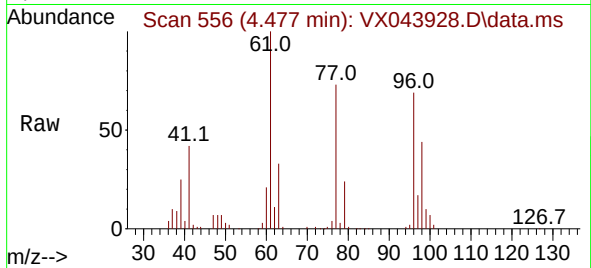
Tgt Ion: 96 Resp: 109742

Ion Ratio Lower Upper

96 100

61 148.7 0.0 297.4

98 63.9 0.0 127.8



#28

Bromochloromethane

Concen: 44.034 ug/l

RT: 4.885 min Scan# 623

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

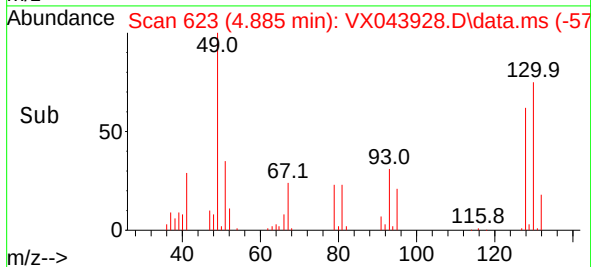
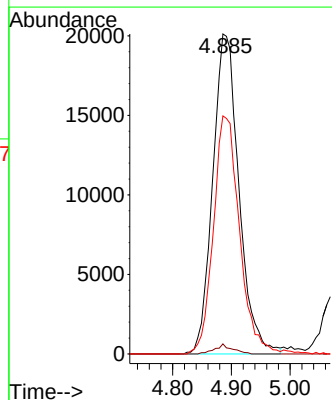
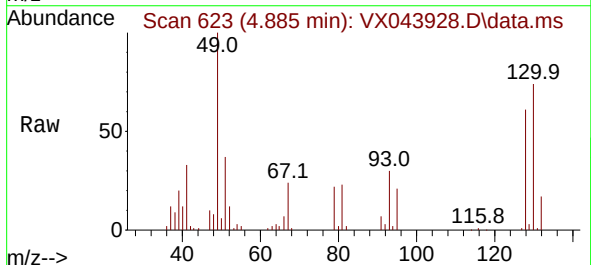
Tgt Ion: 49 Resp: 62386

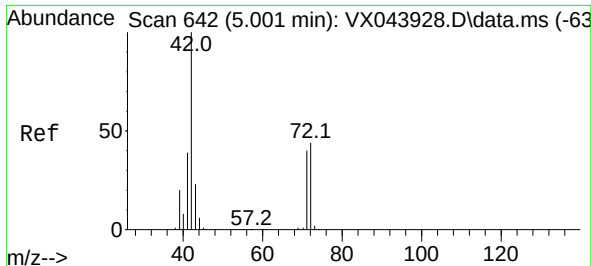
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 73.8 59.0 88.6

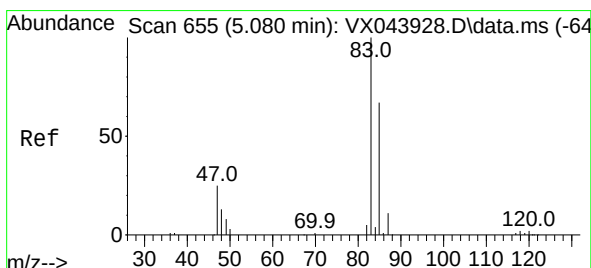
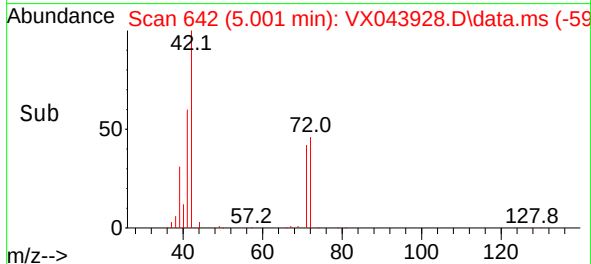
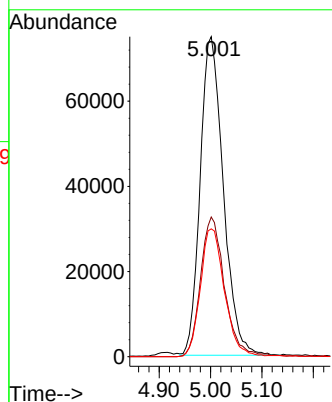
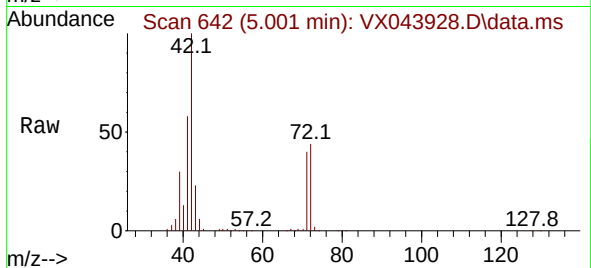




#29
Tetrahydrofuran
Concen: 271.213 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

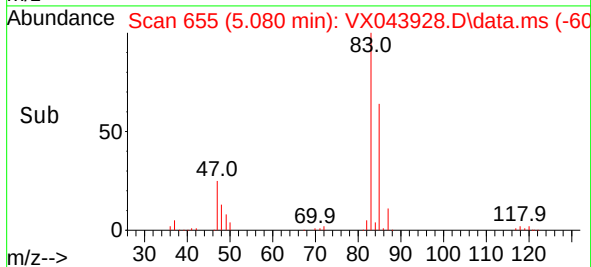
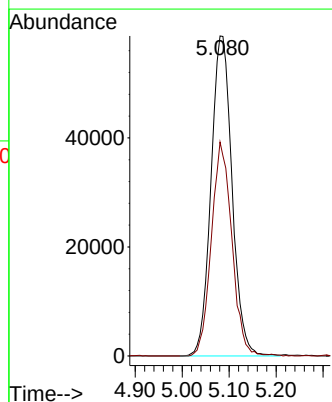
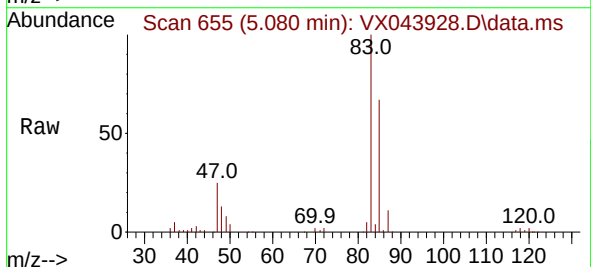
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

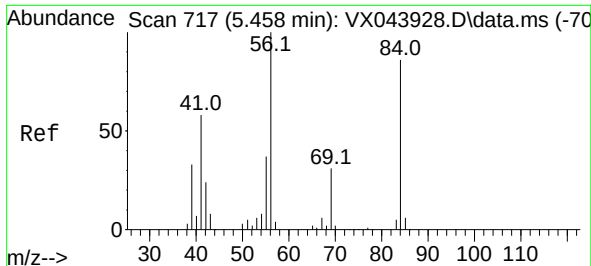
Tgt Ion:	42	Resp:	234208
Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.4	54.6
71	41.7	33.4	50.0



#30
Chloroform
Concen: 52.691 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:	83	Resp:	182404
Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.5	80.3

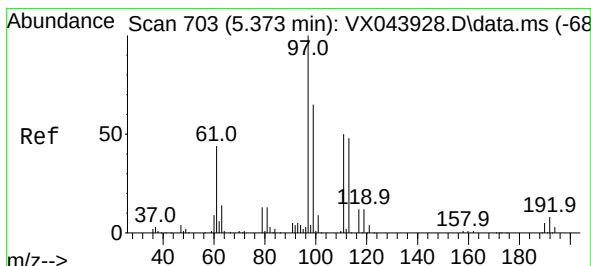
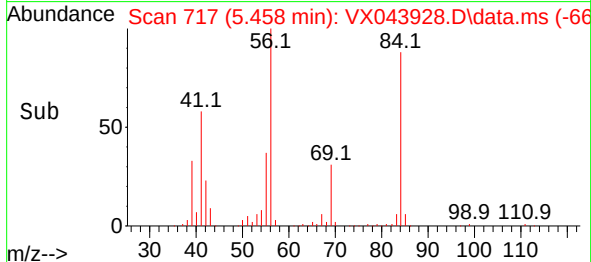
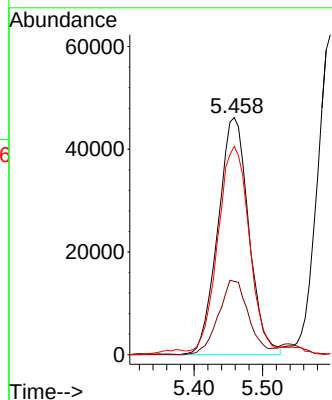
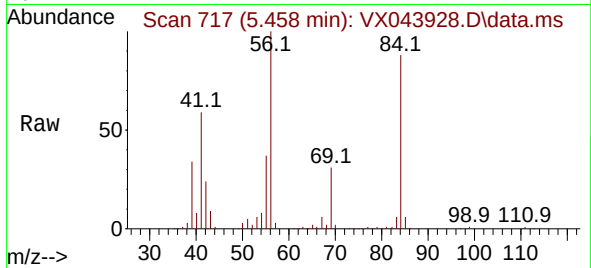




#31
Cyclohexane
Concen: 54.443 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

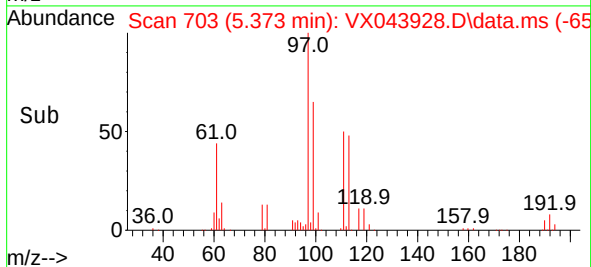
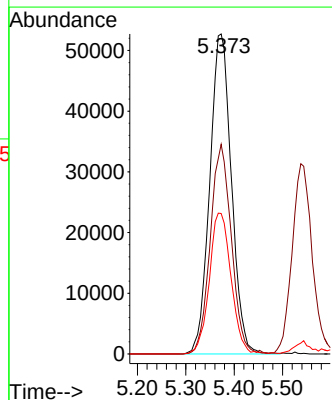
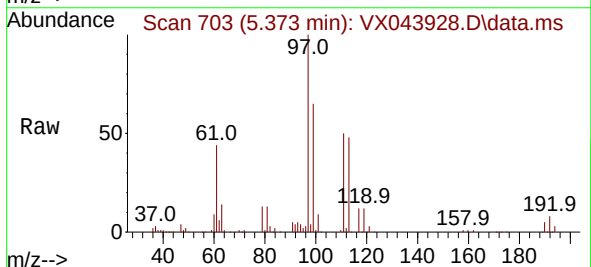
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

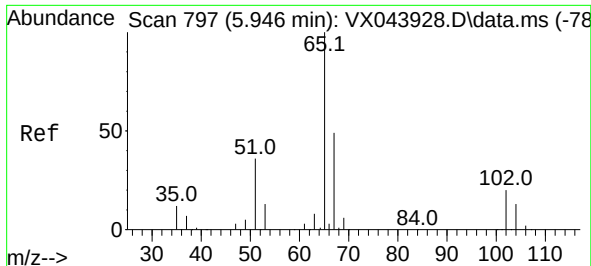
Tgt Ion: 56 Resp: 144224
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 85.9 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 54.944 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 44.3 35.4 53.2

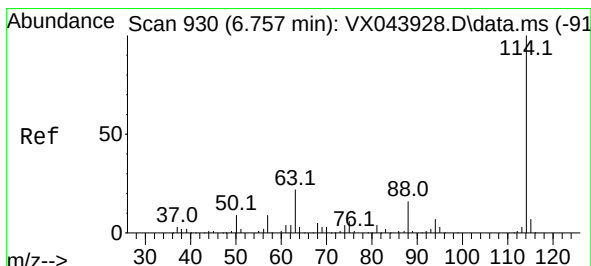
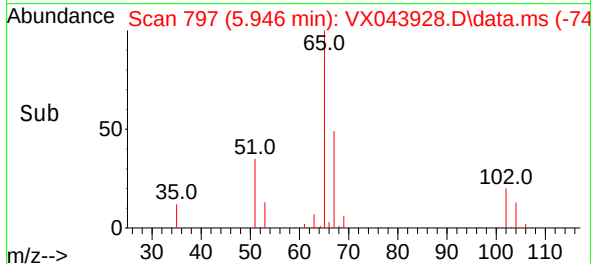
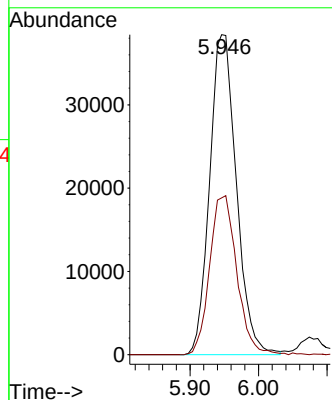
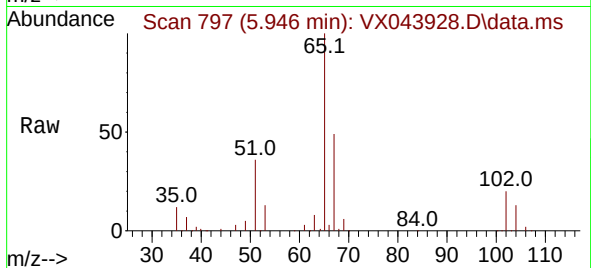




#33
 1,2-Dichloroethane-d4
 Concen: 43.792 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

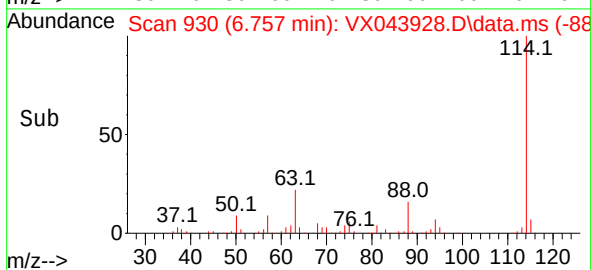
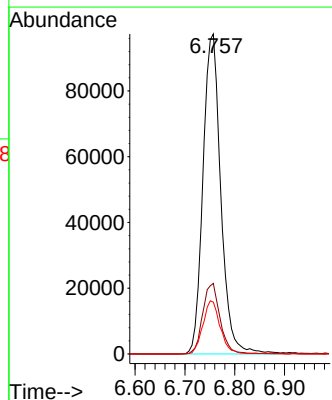
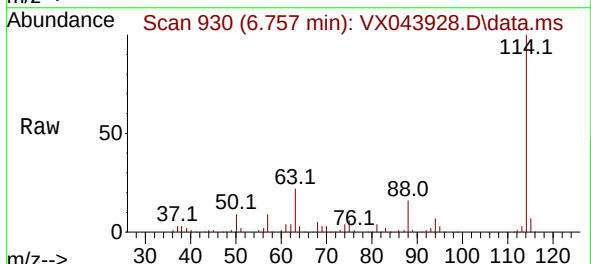
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

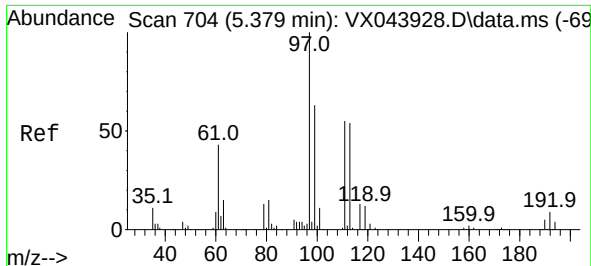
Tgt Ion: 65 Resp: 104086
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

Tgt Ion: 114 Resp: 241629
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.729 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

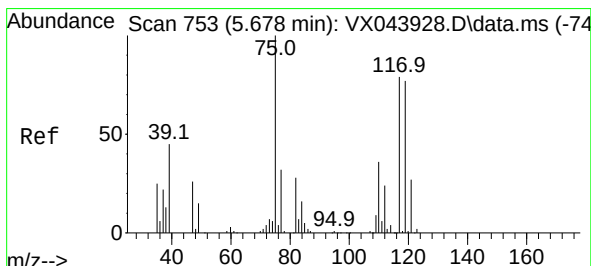
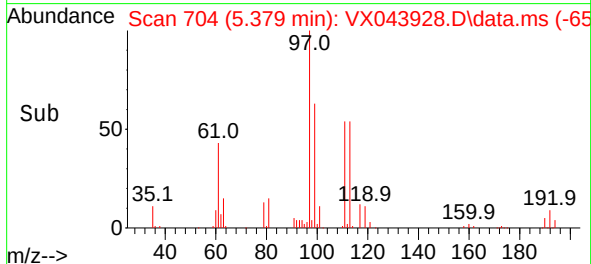
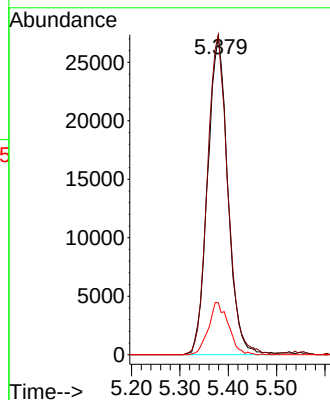
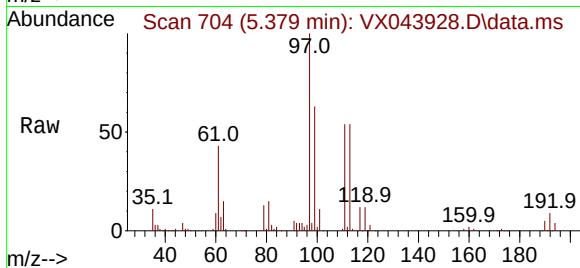
Tgt Ion:113 Resp: 78954

Ion Ratio Lower Upper

113 100

111 101.2 81.0 121.4

192 16.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 55.435 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

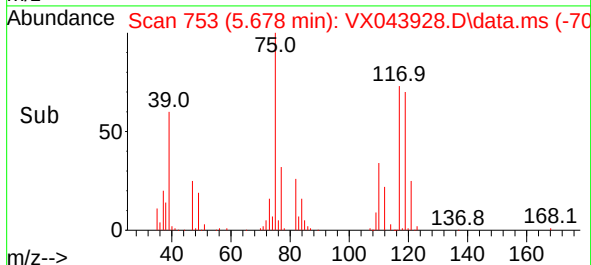
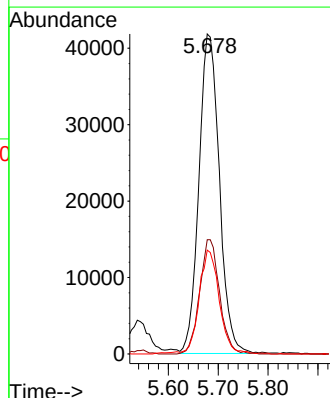
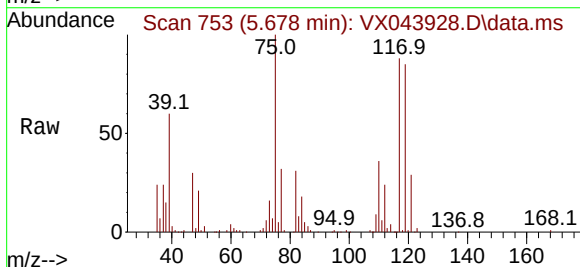
Tgt Ion: 75 Resp: 119269

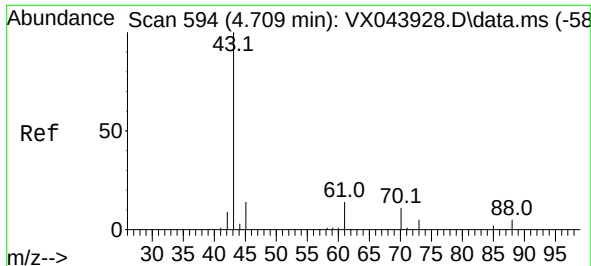
Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.2

77 32.3 25.8 38.8





#37

Ethyl Acetate

Concen: 55.189 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

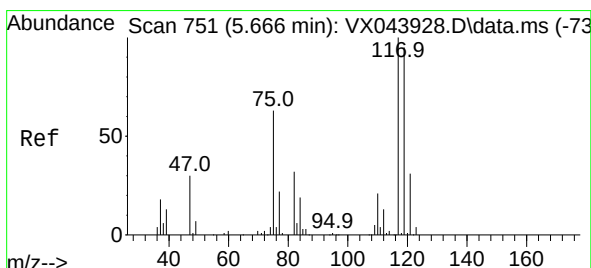
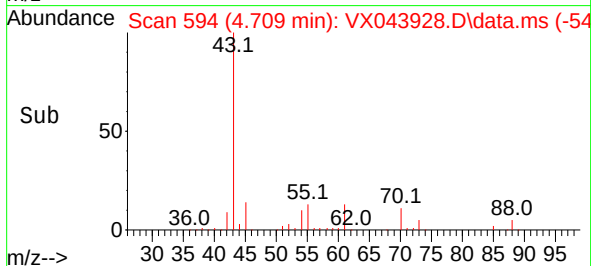
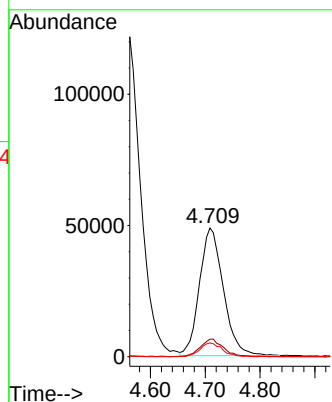
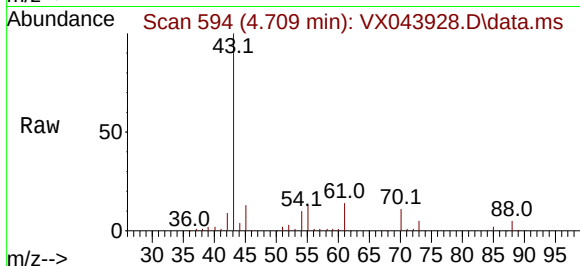
Tgt Ion: 43 Resp: 147393

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

70 10.0 8.0 12.0



#38

Carbon Tetrachloride

Concen: 55.729 ug/l

RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

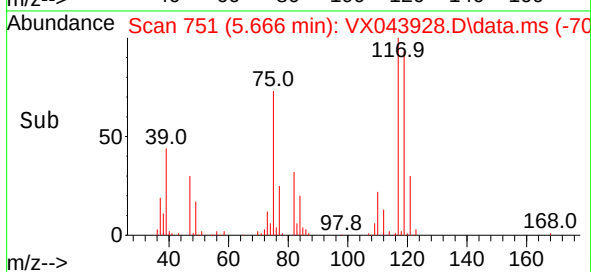
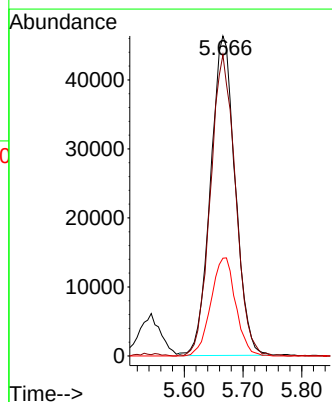
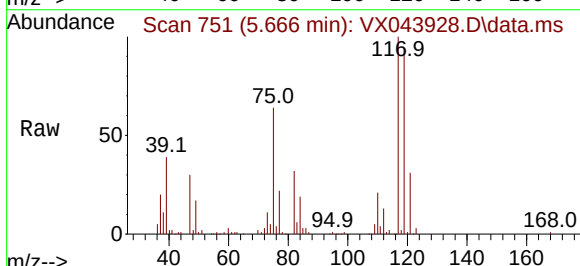
Tgt Ion: 117 Resp: 134725

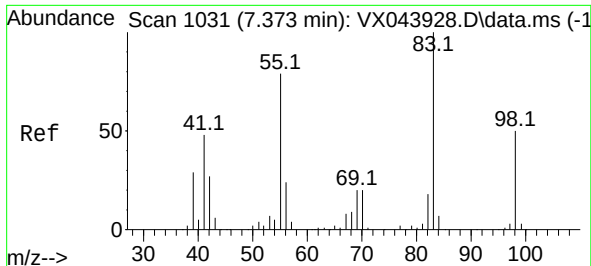
Ion Ratio Lower Upper

117 100

119 94.0 75.2 112.8

121 30.6 24.5 36.7





#39

Methylcyclohexane

Concen: 56.738 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

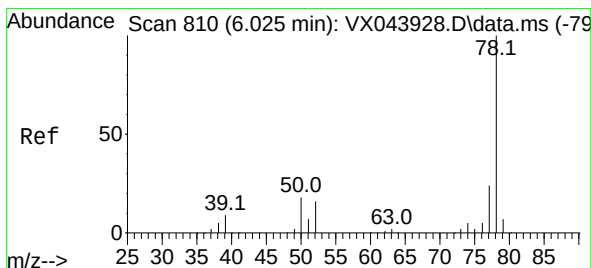
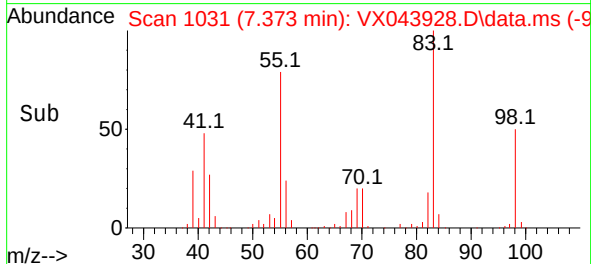
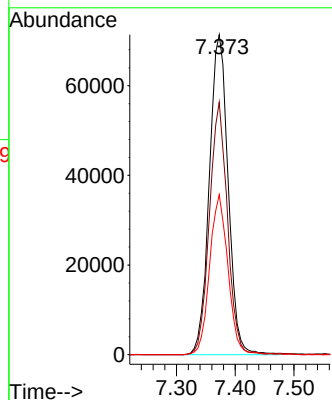
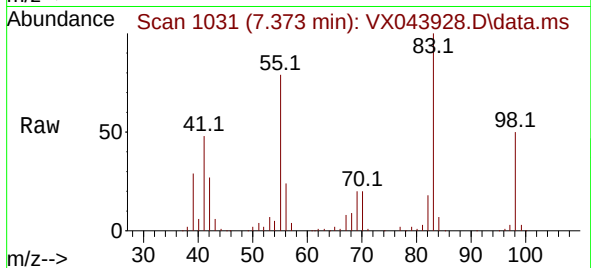
Tgt Ion: 83 Resp: 158586

Ion Ratio Lower Upper

83 100

55 78.9 63.1 94.7

98 50.0 40.0 60.0



#40

Benzene

Concen: 53.863 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX043928.D

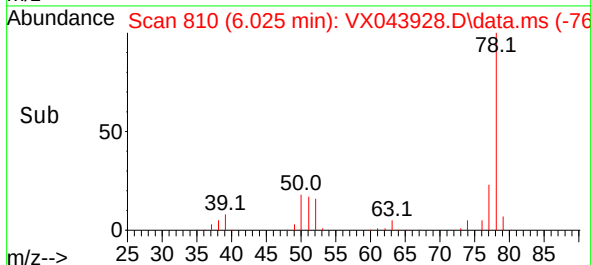
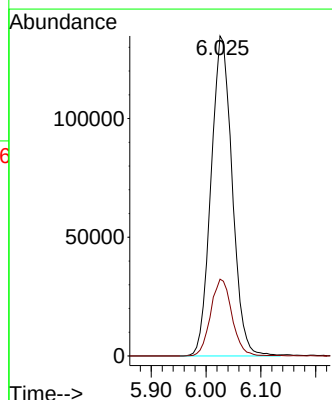
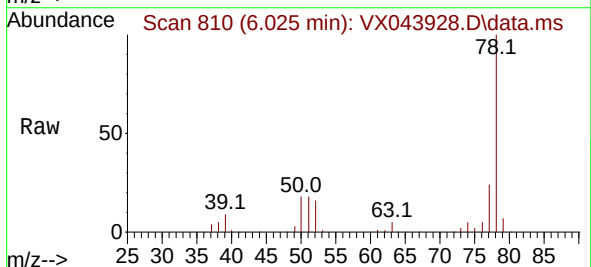
Acq: 21 Nov 2024 11:17

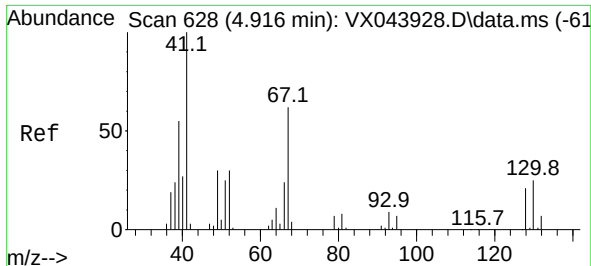
Tgt Ion: 78 Resp: 360978

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8

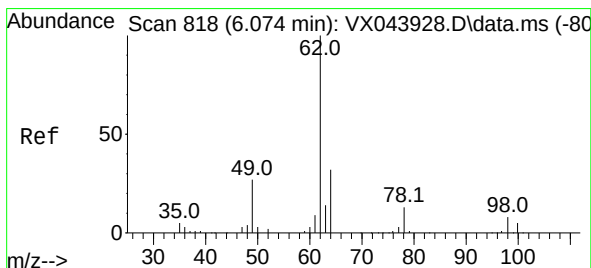
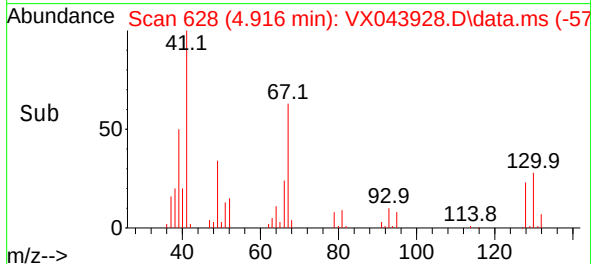
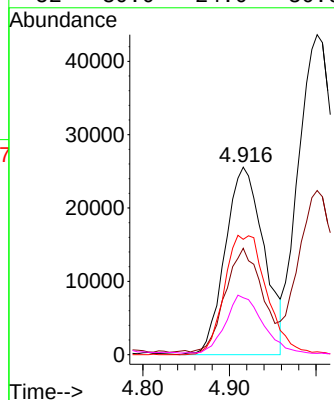
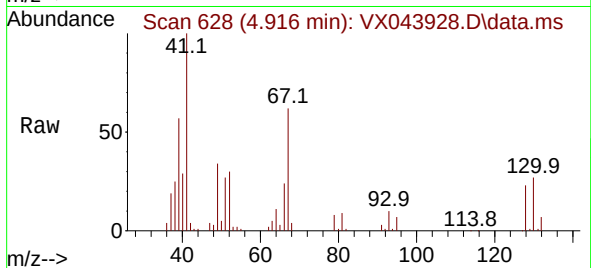




#41
Methacrylonitrile
Concen: 58.165 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

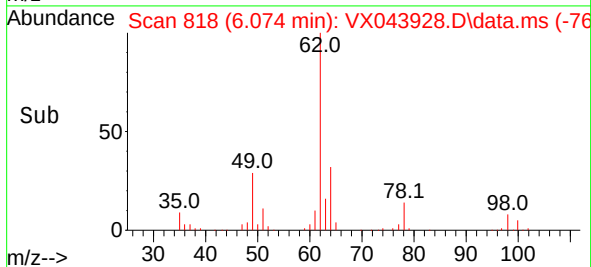
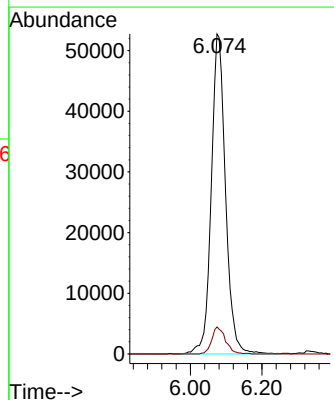
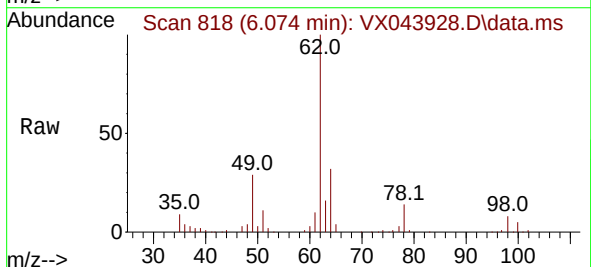
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

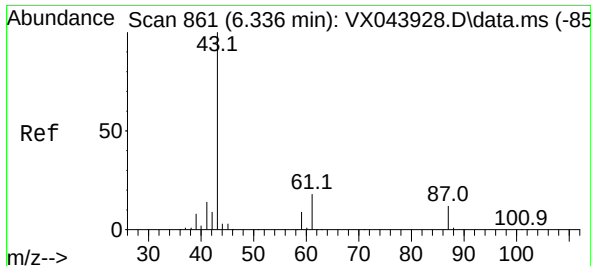
Tgt Ion:	41	Resp:	79507
Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.7	62.5
67	69.8	55.8	83.8
52	30.0	24.0	36.0



#42
1,2-Dichloroethane
Concen: 54.125 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:	62	Resp:	145681
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

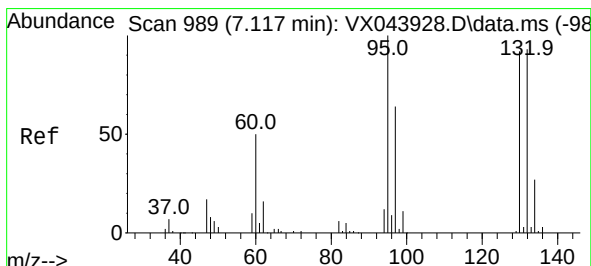
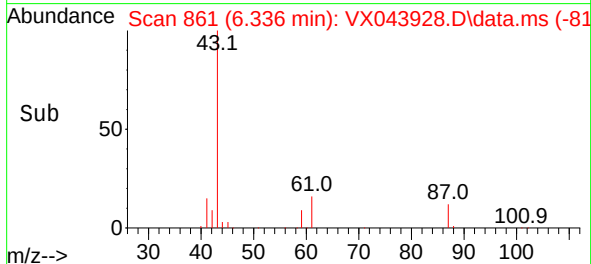
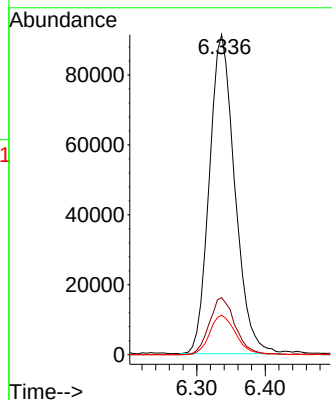
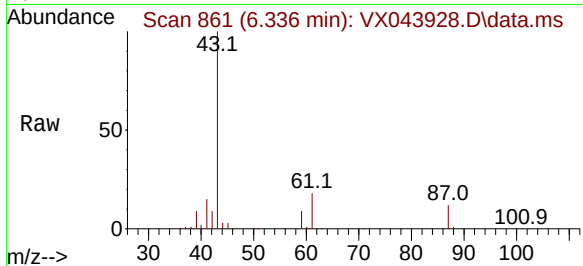




#43
Isopropyl Acetate
Concen: 55.492 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

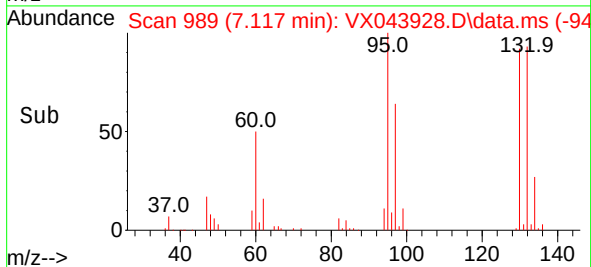
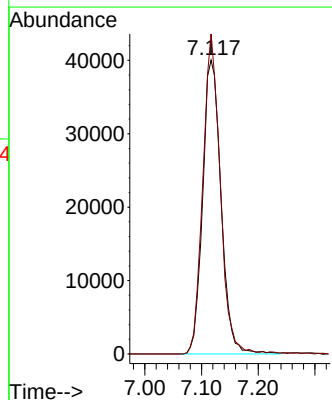
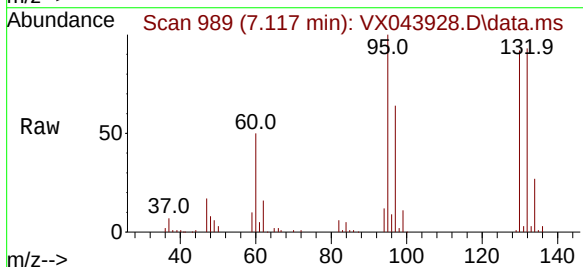
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

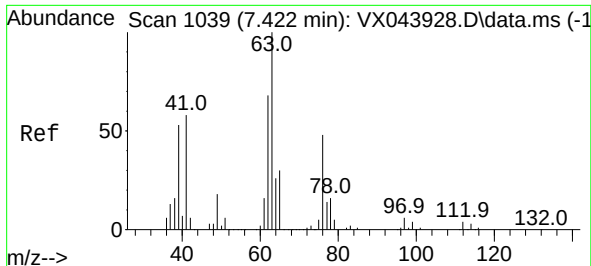
Tgt Ion: 43 Resp: 235856
Ion Ratio Lower Upper
43 100
61 18.1 14.5 21.7
87 12.7 10.2 15.2



#44
Trichloroethene
Concen: 47.447 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015
Ion Ratio Lower Upper
130 100
95 108.9 0.0 217.8

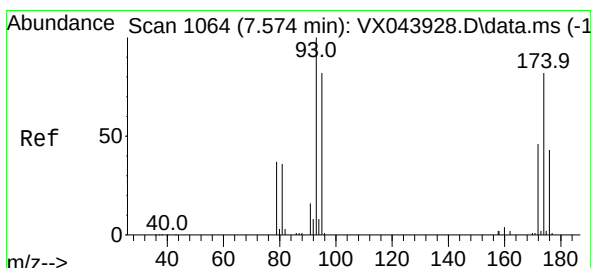
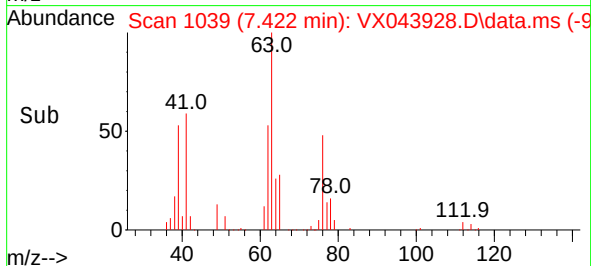
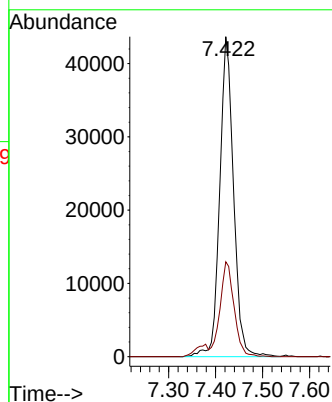
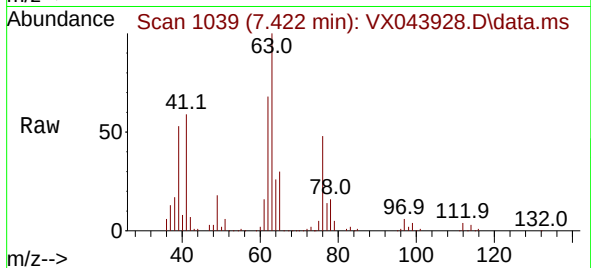




#45
1,2-Dichloropropane
Concen: 54.543 ug/l
RT: 7.422 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

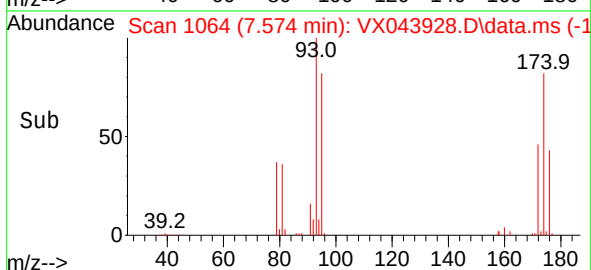
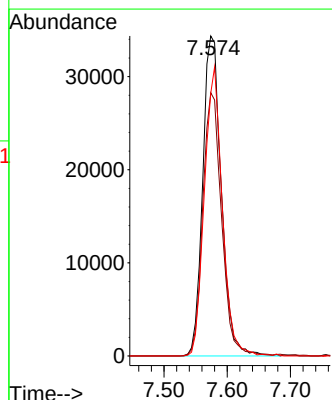
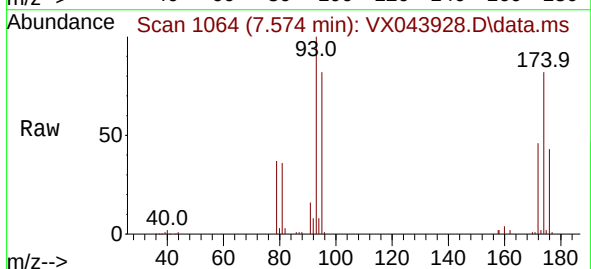
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

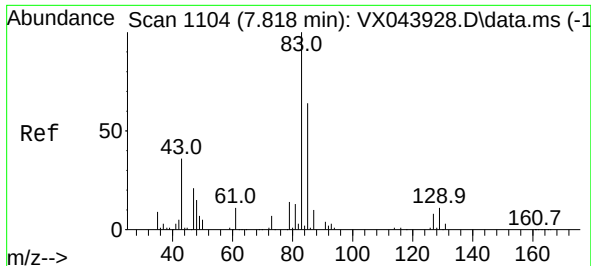
Tgt Ion: 63 Resp: 89529
Ion Ratio Lower Upper
63 100
65 29.7 23.8 35.6



#46
Dibromomethane
Concen: 54.434 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 93 Resp: 70679
Ion Ratio Lower Upper
93 100
95 82.8 66.2 99.4
174 87.0 69.6 104.4

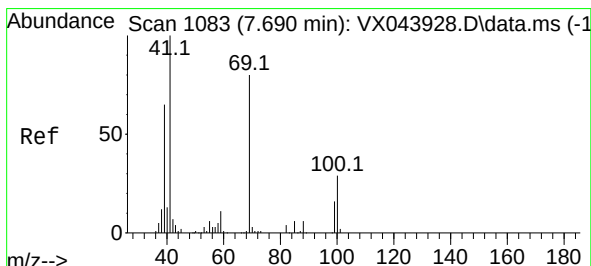
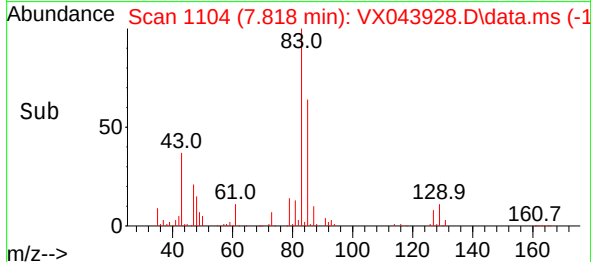
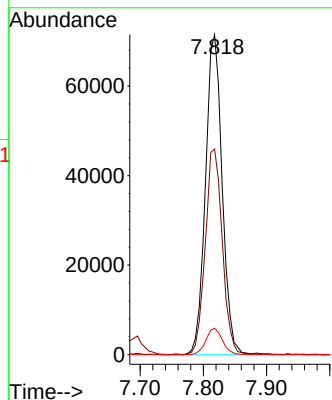
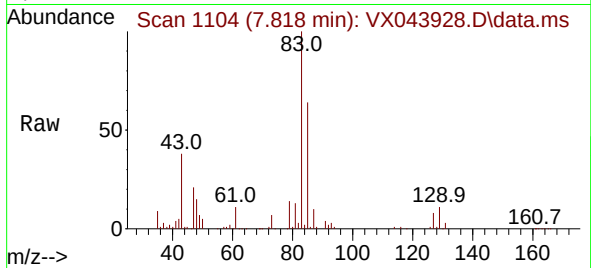




#47
Bromodichloromethane
Concen: 56.411 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

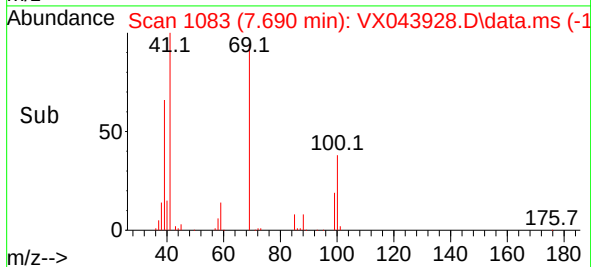
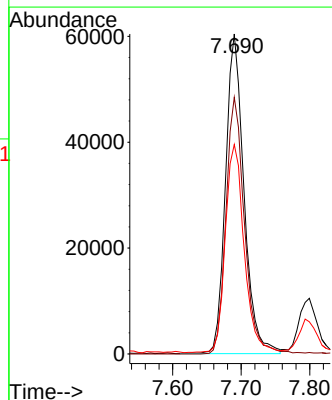
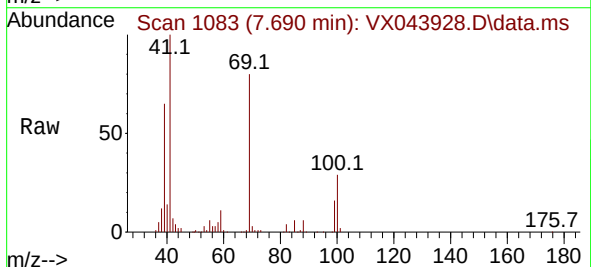
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

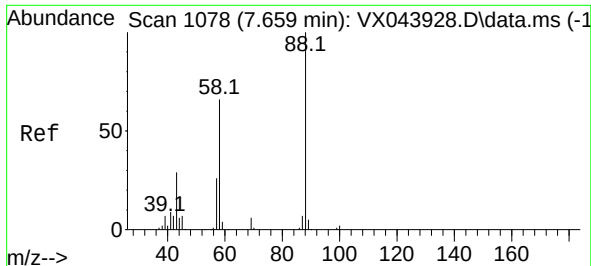
Tgt Ion: 83 Resp: 131365
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0
127 8.3 6.6 10.0



#48
Methyl methacrylate
Concen: 55.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803
Ion Ratio Lower Upper
41 100
69 80.8 64.6 97.0
39 66.6 53.3 79.9





#49

1,4-Dioxane

Concen: 949.925 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

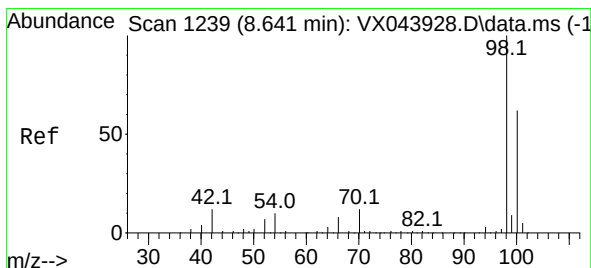
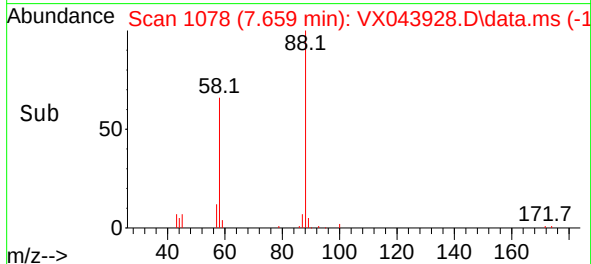
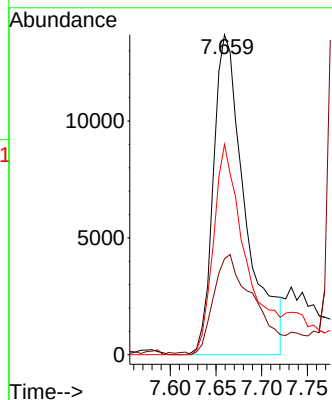
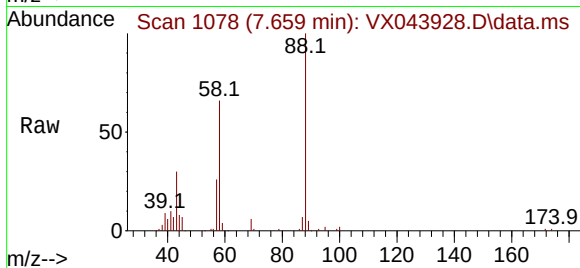
Tgt Ion: 88 Resp: 33402

Ion Ratio Lower Upper

88 100

43 39.5 26.8 40.2

58 66.8 45.4 68.2



#50

Toluene-d8

Concen: 44.803 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VX043928.D

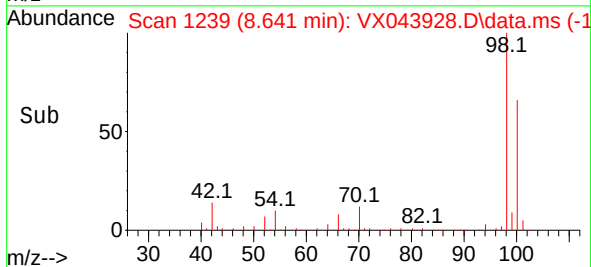
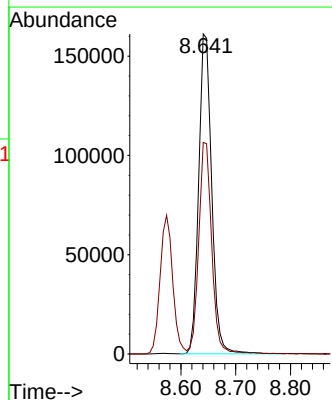
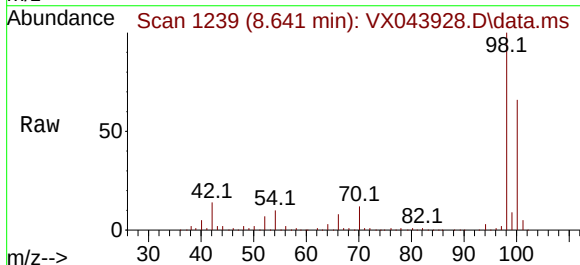
Acq: 21 Nov 2024 11:17

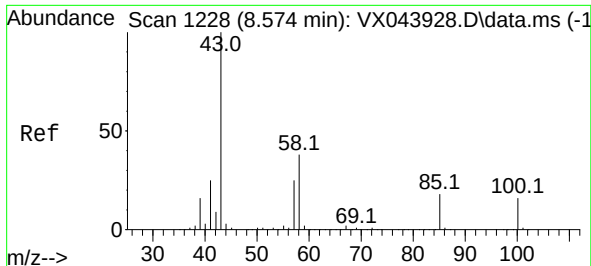
Tgt Ion: 98 Resp: 266650

Ion Ratio Lower Upper

98 100

100 65.8 52.6 79.0

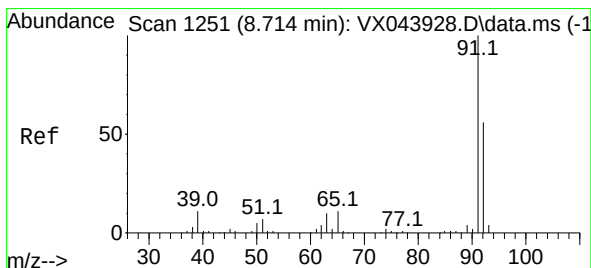
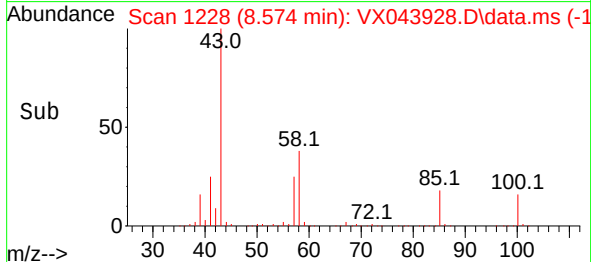
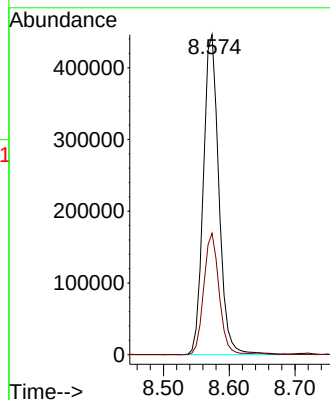
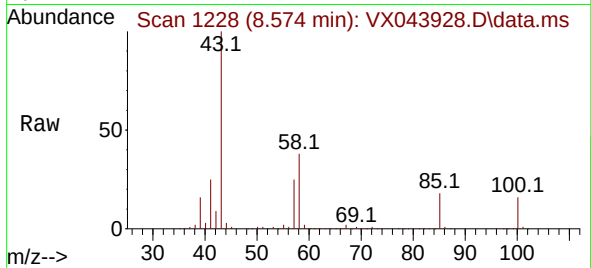




#51
4-Methyl-2-Pentanone
Concen: 282.442 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

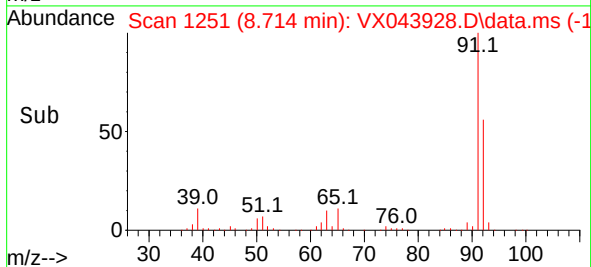
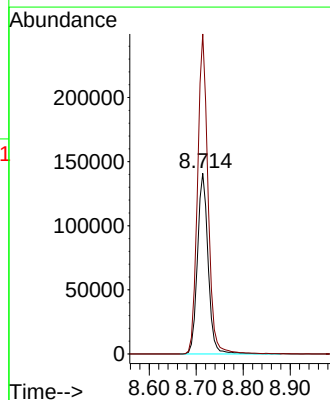
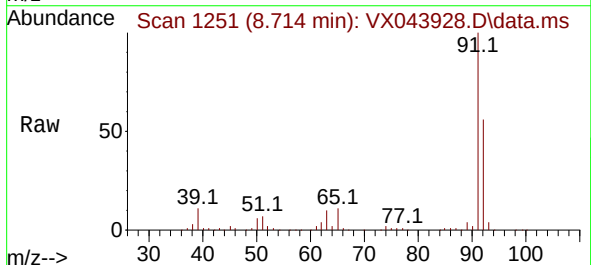
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

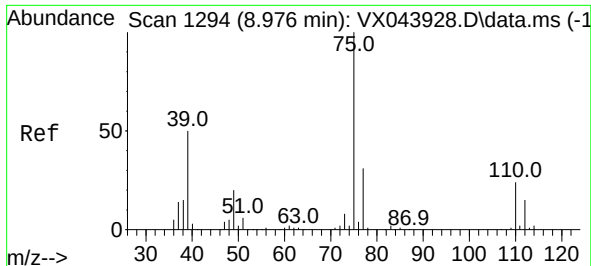
Tgt Ion: 43 Resp: 732582
Ion Ratio Lower Upper
43 100
58 37.5 30.0 45.0



#52
Toluene
Concen: 55.469 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 92 Resp: 222500
Ion Ratio Lower Upper
92 100
91 174.6 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 57.881 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

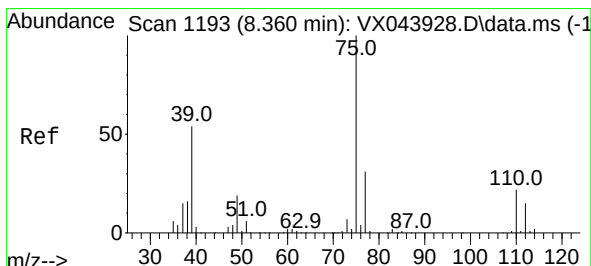
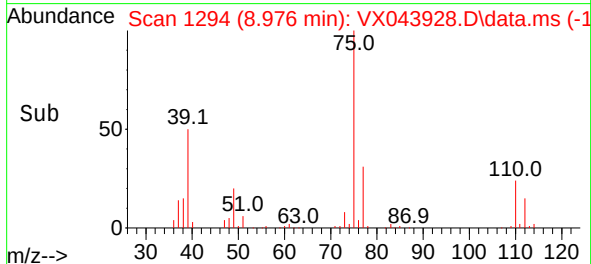
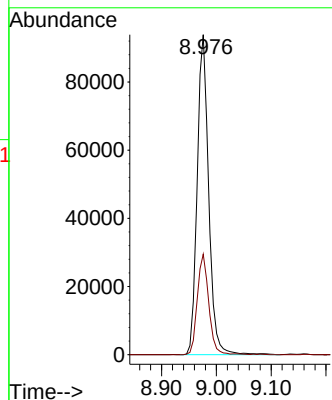
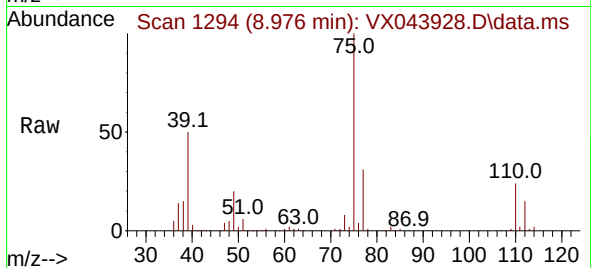
VSTDICCC050

Tgt Ion: 75 Resp: 137451

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 56.712 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

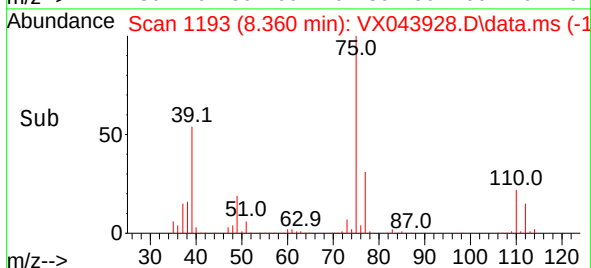
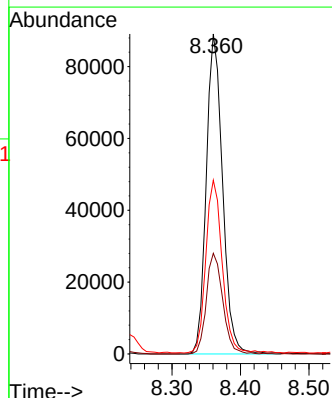
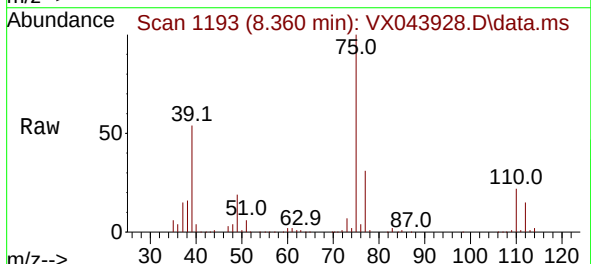
Tgt Ion: 75 Resp: 147638

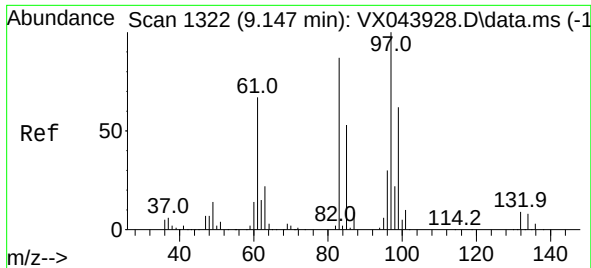
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 53.9 43.1 64.7

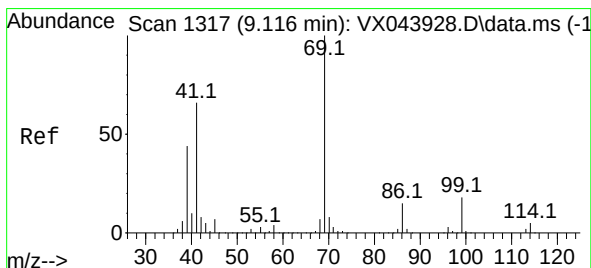
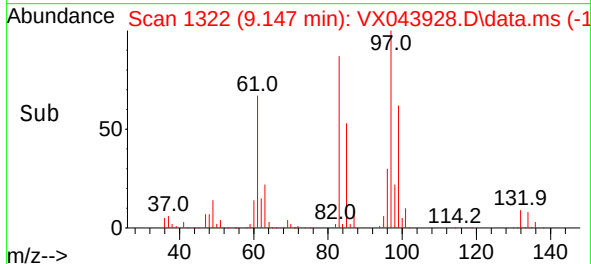
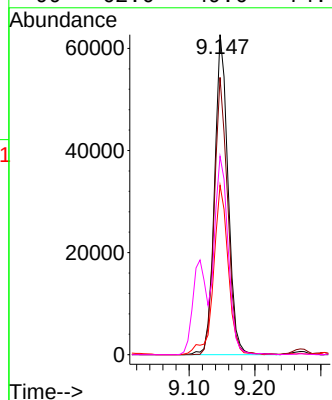
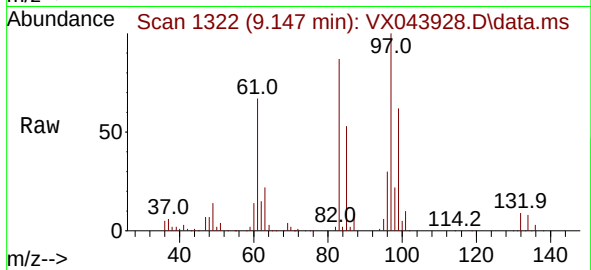




#55
1,1,2-Trichloroethane
Concen: 54.016 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

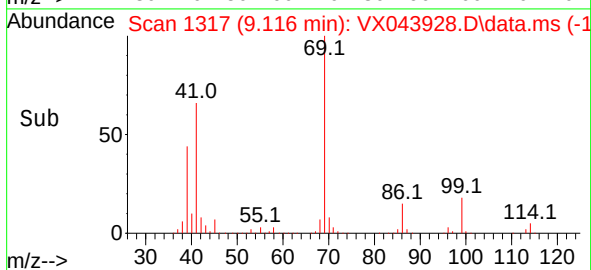
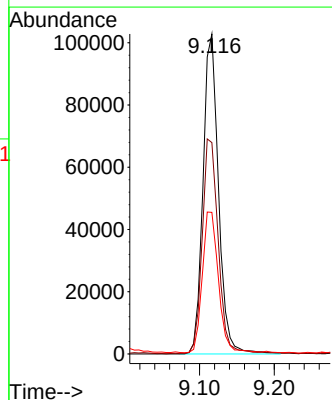
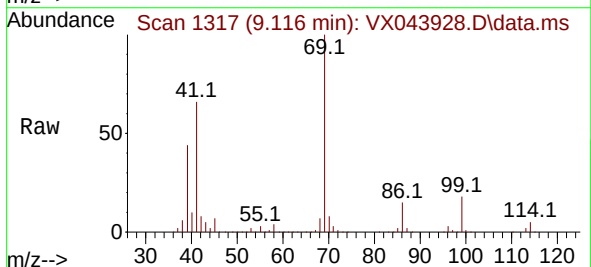
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

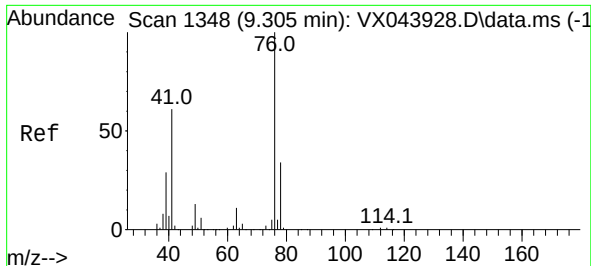
Tgt Ion: 97	Resp: 89441
Ion Ratio	Lower Upper
97 100	
83 86.7	69.4 104.0
85 52.9	42.3 63.5
99 62.0	49.6 74.4



#56
Ethyl methacrylate
Concen: 57.494 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 69	Resp: 148281
Ion Ratio	Lower Upper
69 100	
41 69.8	55.8 83.8
39 45.9	36.7 55.1

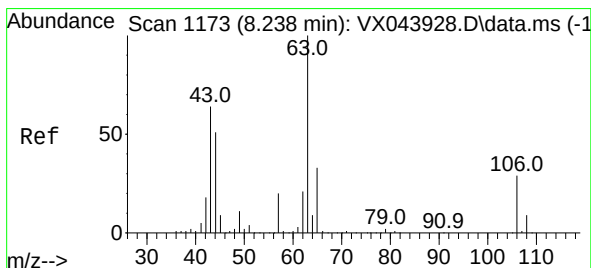
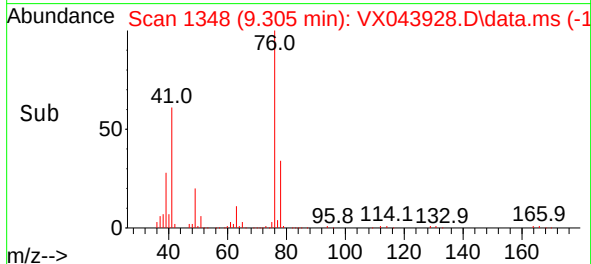
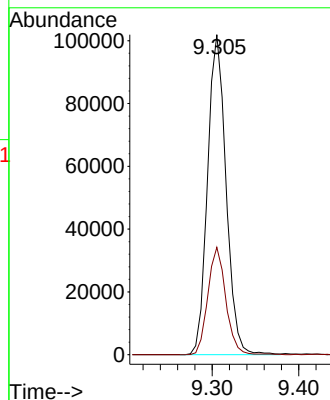
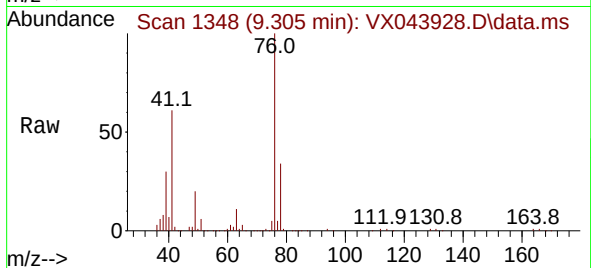




#57
1,3-Dichloropropane
Concen: 54.180 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

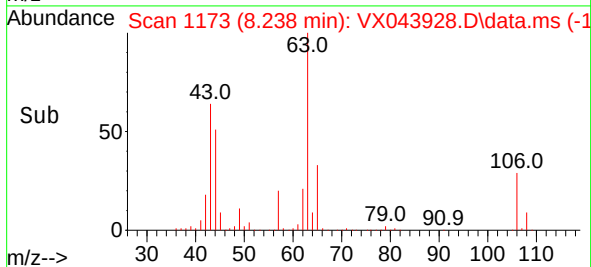
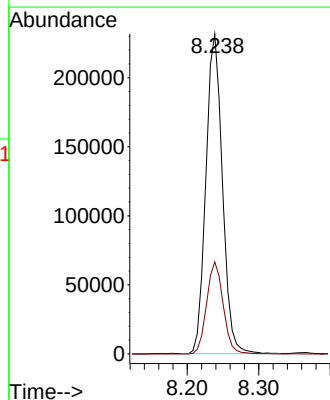
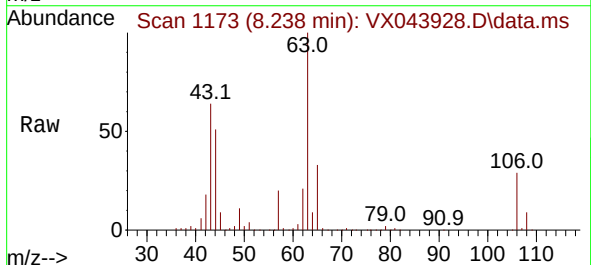
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

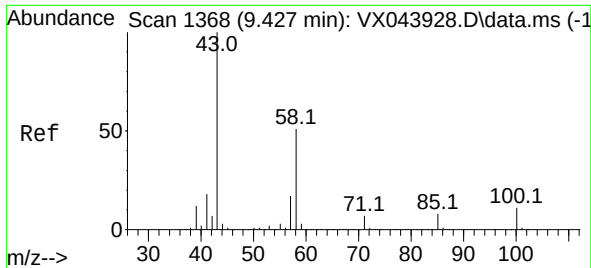
Tgt Ion: 76 Resp: 151124
Ion Ratio Lower Upper
76 100
78 32.5 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 262.805 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281
Ion Ratio Lower Upper
63 100
106 28.8 23.0 34.6

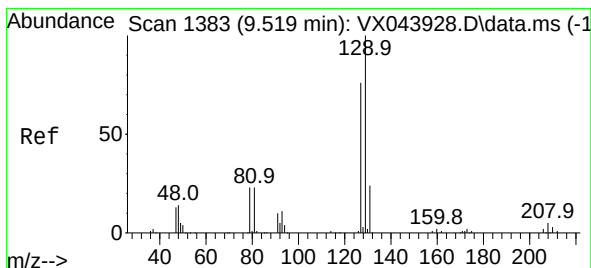
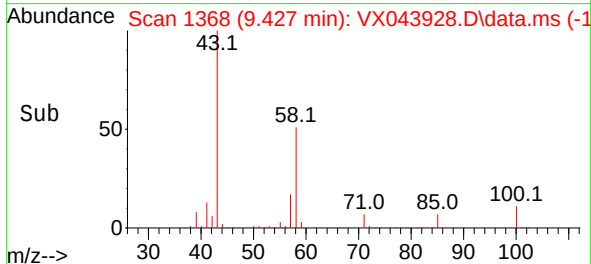
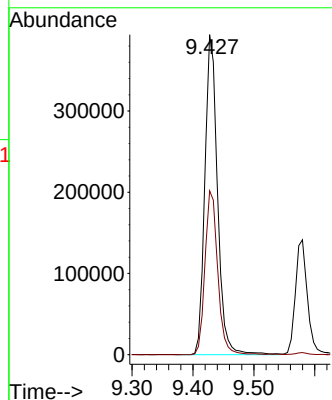
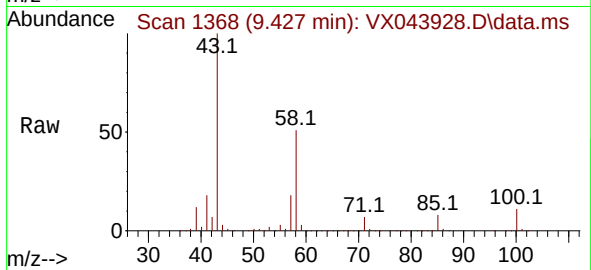




#59
2-Hexanone
Concen: 291.589 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

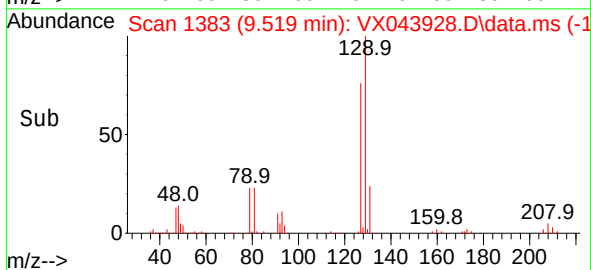
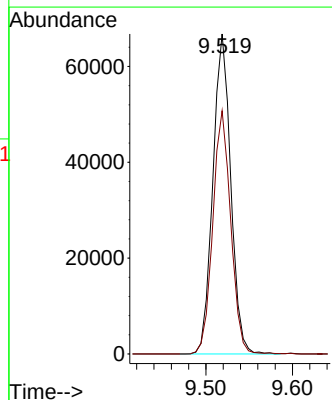
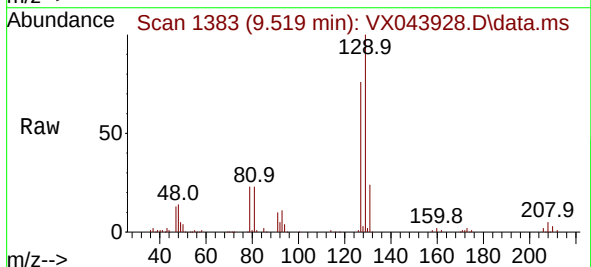
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

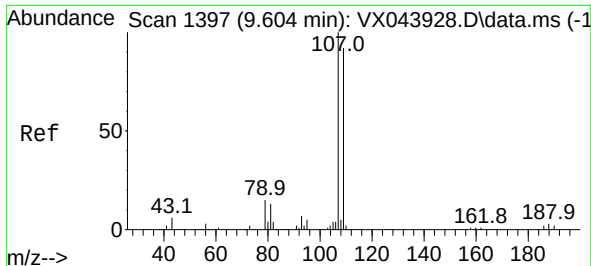
Tgt Ion: 43 Resp: 568460
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 57.569 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 129 Resp: 95641
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 55.510 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

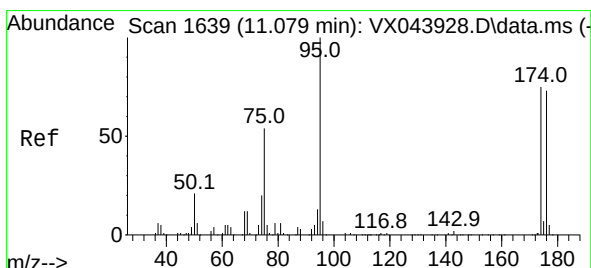
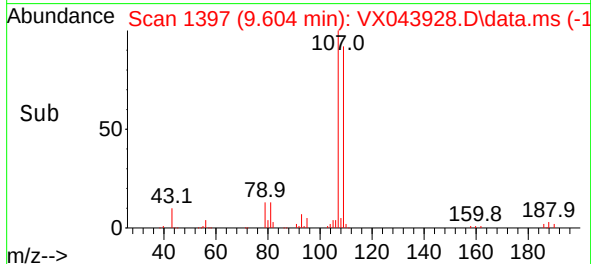
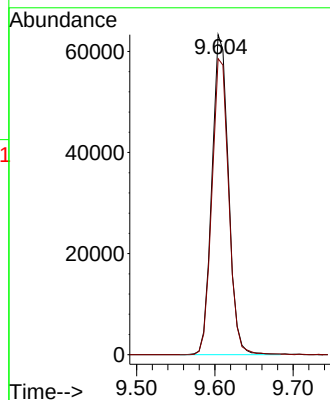
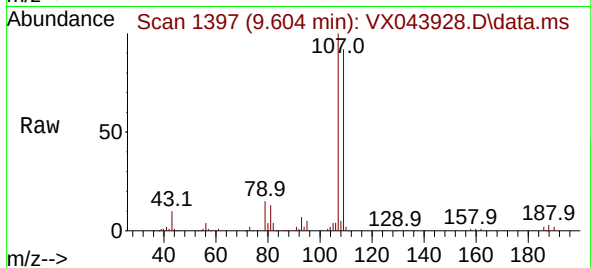
VSTDICCC050

Tgt Ion:107 Resp: 92940

Ion Ratio Lower Upper

107 100

109 94.0 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 46.166 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

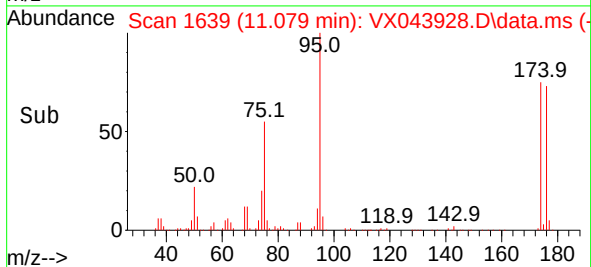
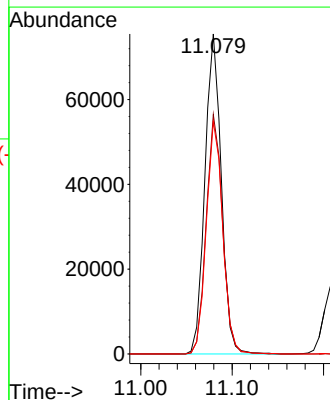
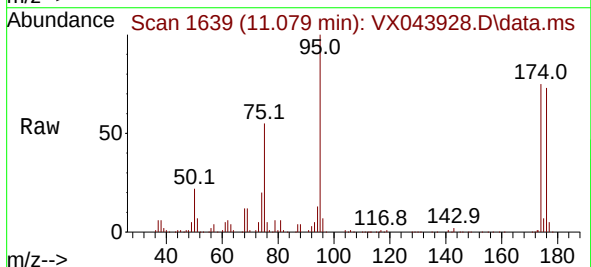
Tgt Ion: 95 Resp: 93510

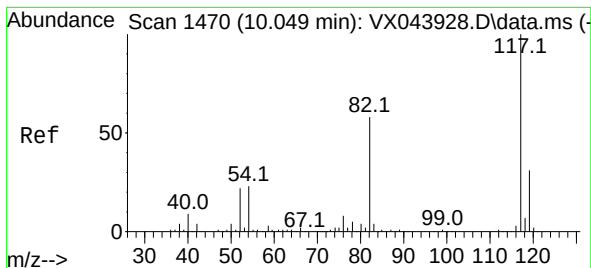
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 73.0 0.0 146.0

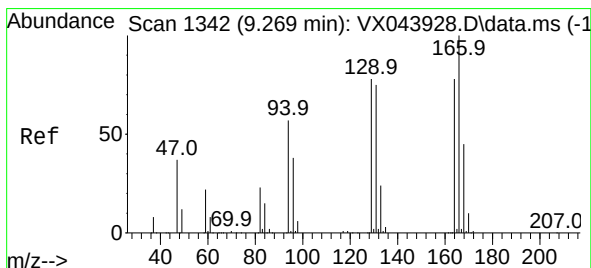
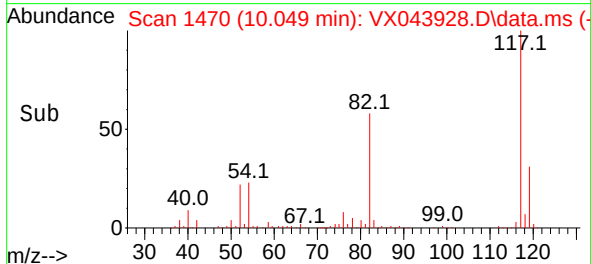
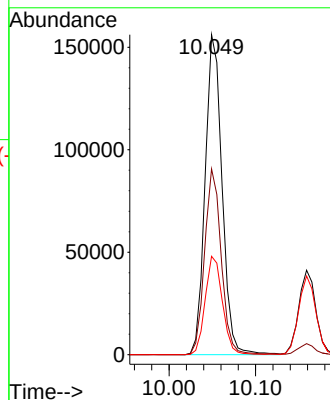
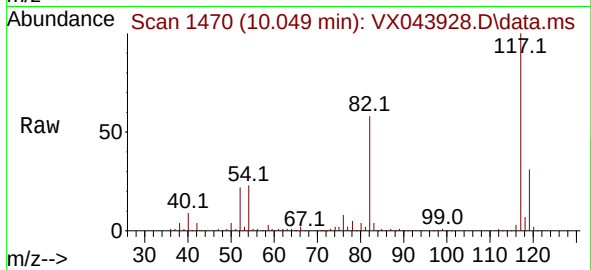




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

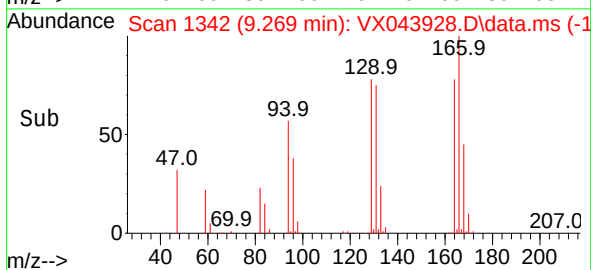
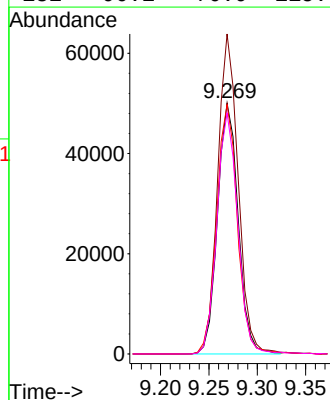
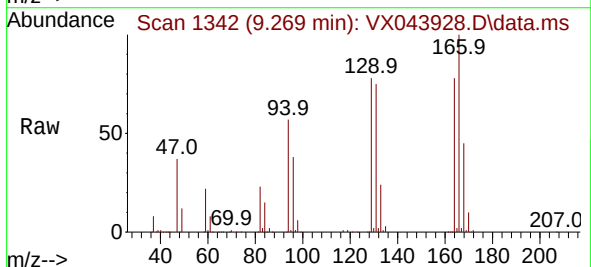
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

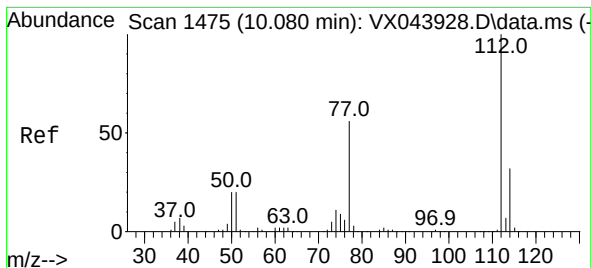
Tgt Ion:117 Resp: 212243
Ion Ratio Lower Upper
117 100
82 58.0 46.4 69.6
119 30.8 24.6 37.0



#64
Tetrachloroethene
Concen: 52.988 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157
Ion Ratio Lower Upper
164 100
166 127.6 102.1 153.1
129 99.5 79.6 119.4
131 96.1 76.9 115.3

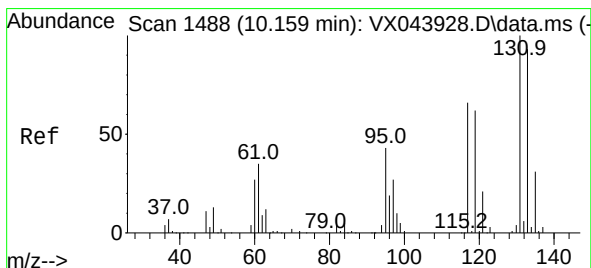
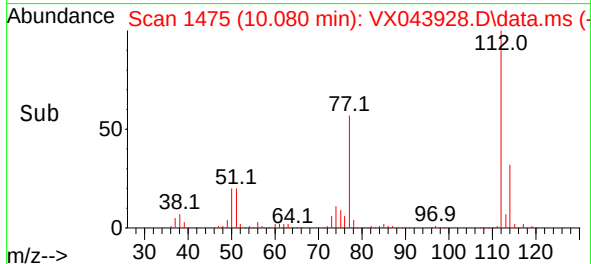
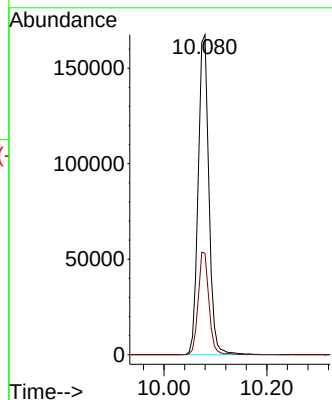
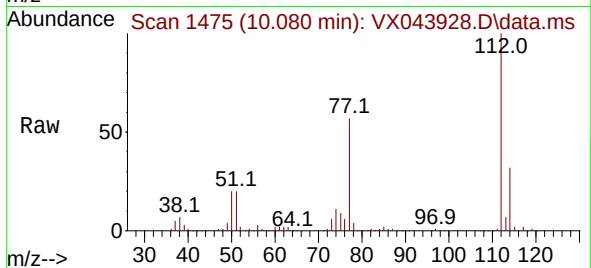




#65
Chlorobenzene
Concen: 52.147 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

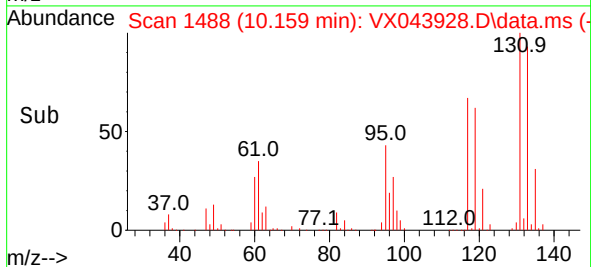
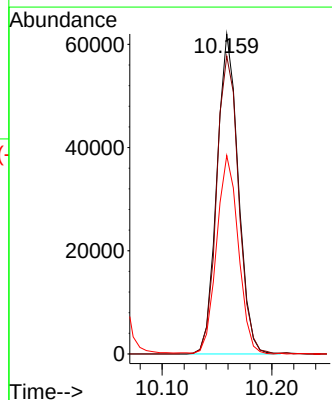
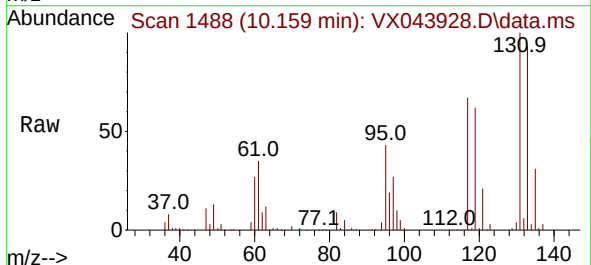
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

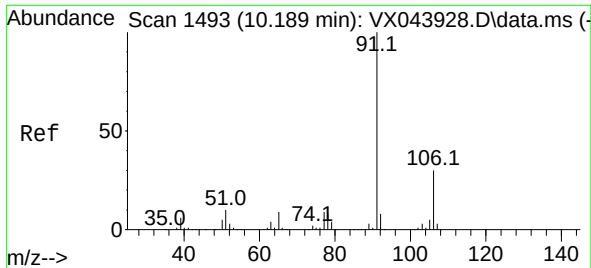
Tgt Ion:112 Resp: 243080
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.520 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934
Ion Ratio Lower Upper
131 100
133 96.4 48.2 144.6
119 63.0 31.5 94.5





#67

Ethyl Benzene

Concen: 54.383 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

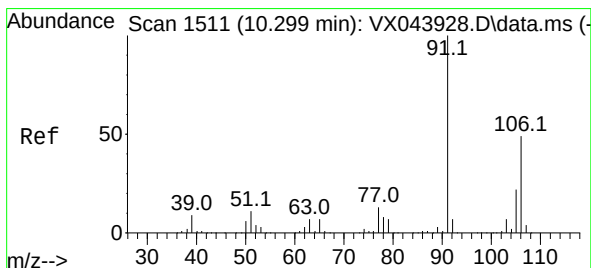
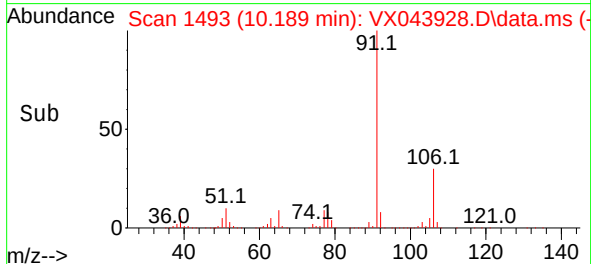
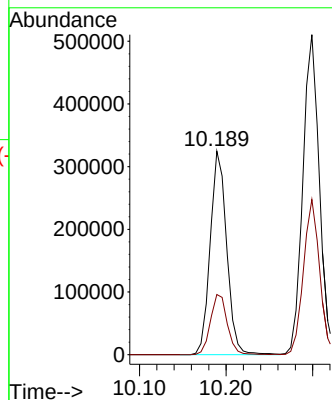
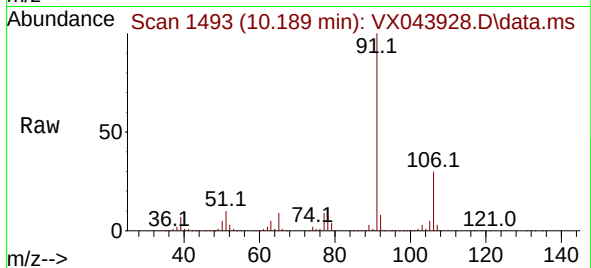
VSTDICCC050

Tgt Ion: 91 Resp: 429559

Ion Ratio Lower Upper

91 100

106 29.5 23.6 35.4



#68

m/p-Xylenes

Concen: 109.878 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043928.D

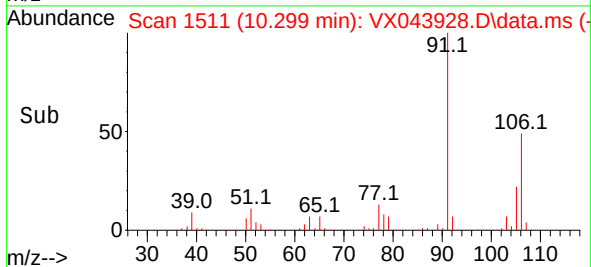
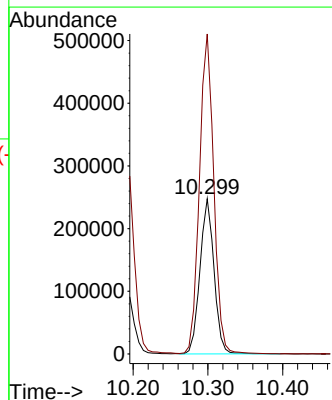
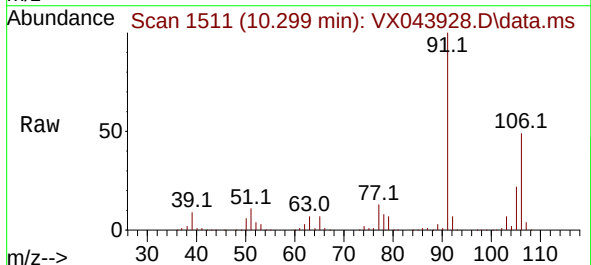
Acq: 21 Nov 2024 11:17

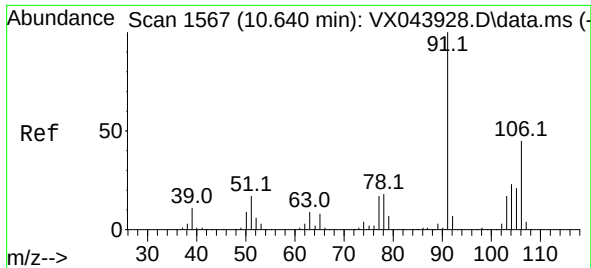
Tgt Ion:106 Resp: 323661

Ion Ratio Lower Upper

106 100

91 210.1 168.1 252.1

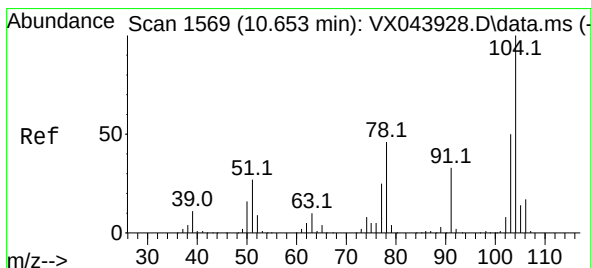
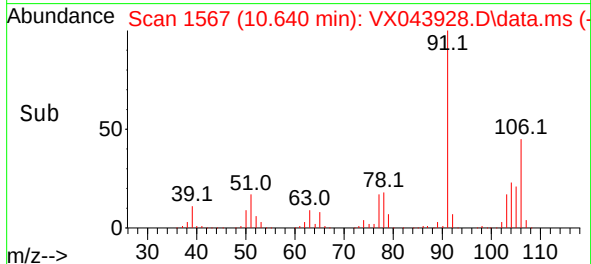
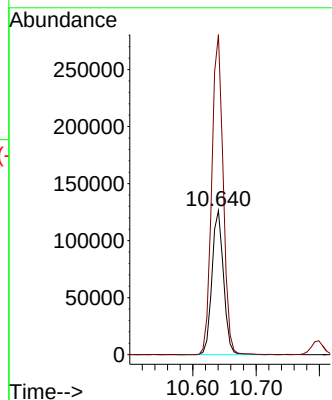
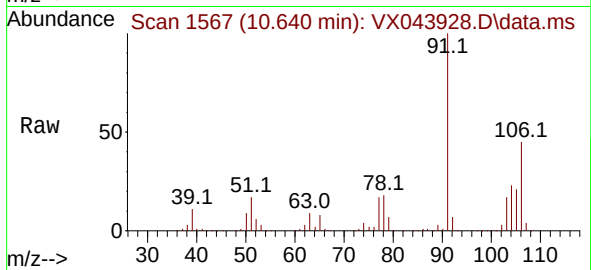




#69
o-Xylene
Concen: 55.856 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

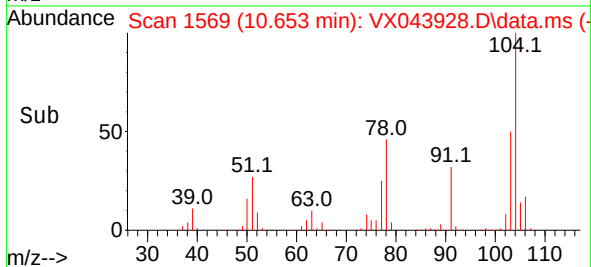
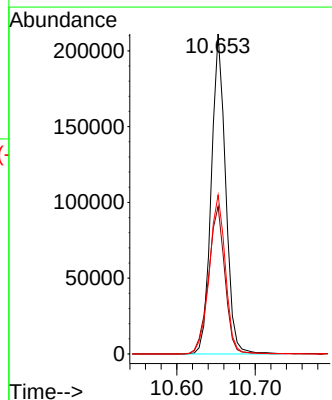
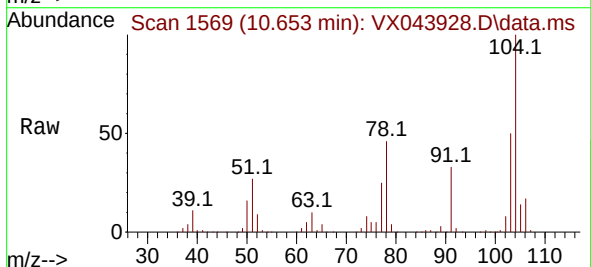
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

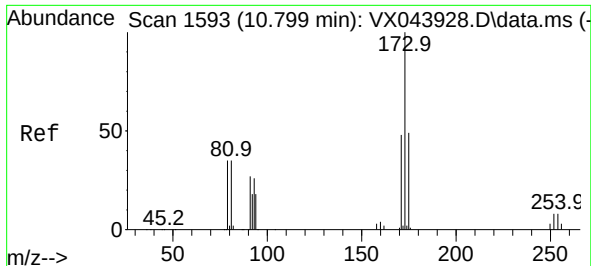
Tgt Ion:106 Resp: 160643
Ion Ratio Lower Upper
106 100
91 220.4 110.2 330.6



#70
Styrene
Concen: 56.341 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.2
103 55.9 44.7 67.1

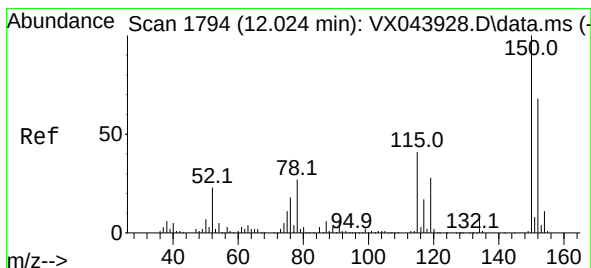
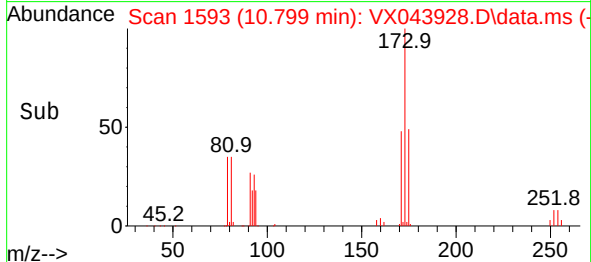
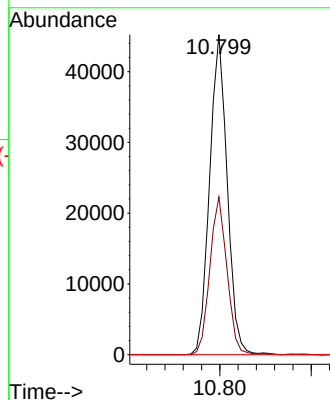
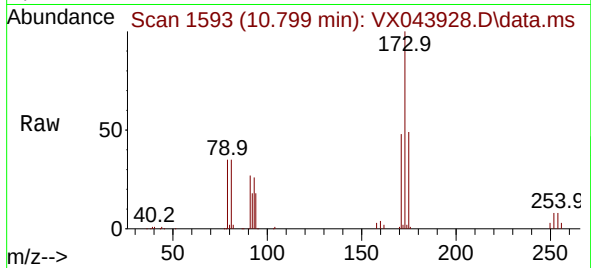




#71
Bromoform
Concen: 52.275 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

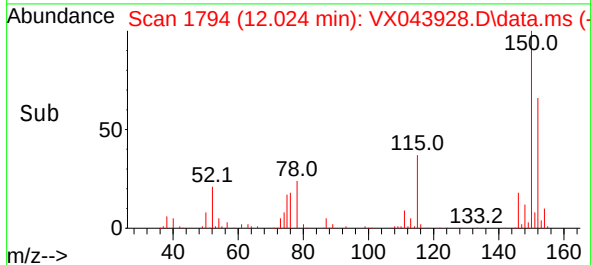
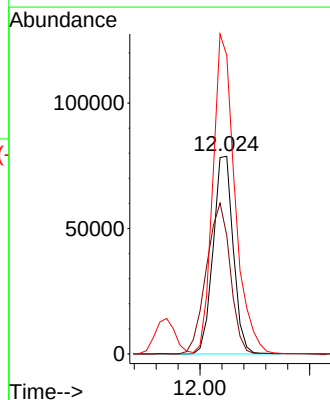
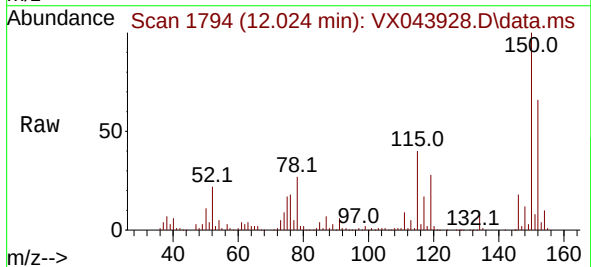
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

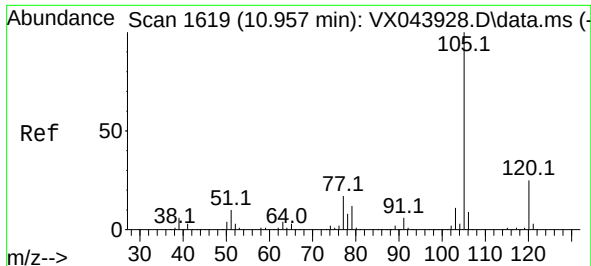
Tgt Ion:173 Resp: 60267
Ion Ratio Lower Upper
173 100
175 48.1 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:152 Resp: 100316
Ion Ratio Lower Upper
152 100
115 90.8 45.4 136.2
150 176.5 0.0 353.0

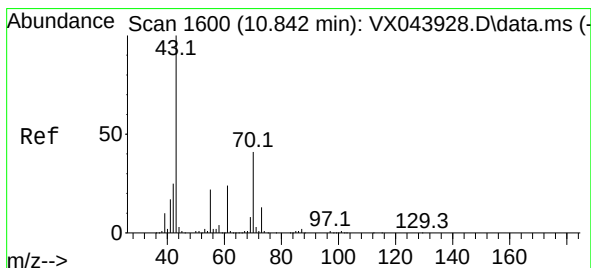
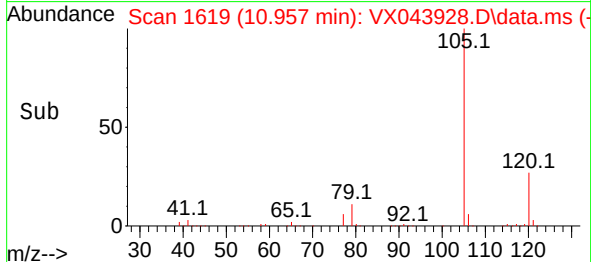
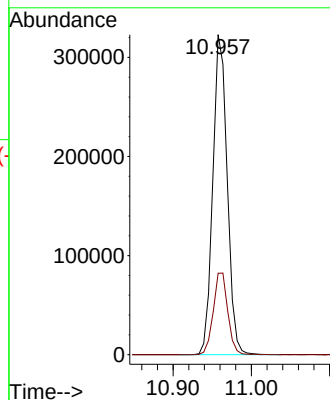
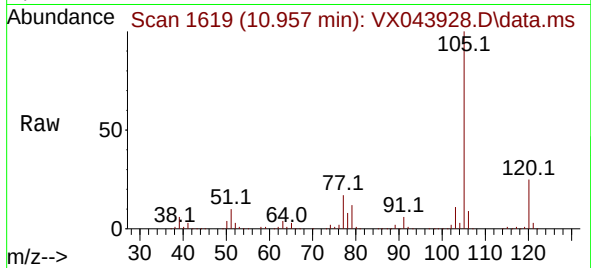




#73
Isopropylbenzene
Concen: 53.299 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

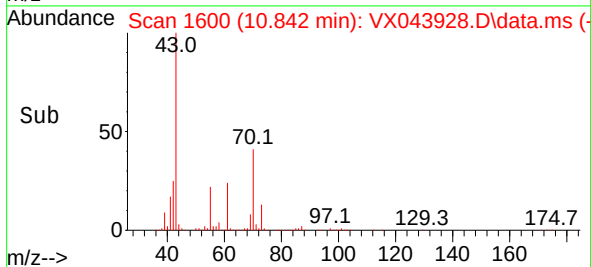
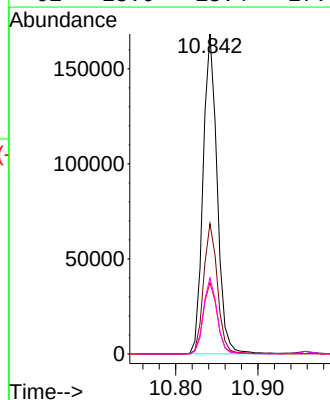
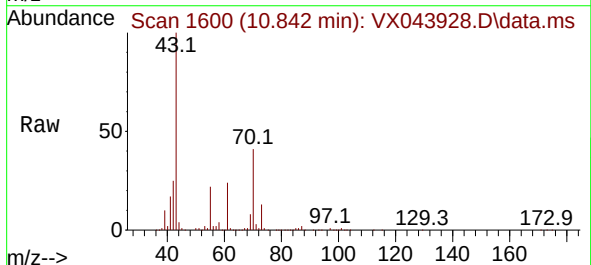
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

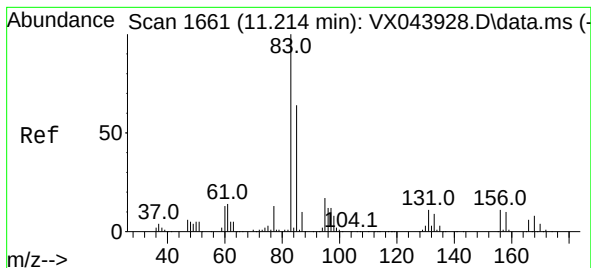
Tgt Ion:105 Resp: 411000
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9



#74
N-ethyl acetate
Concen: 56.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195
Ion Ratio Lower Upper
43 100
70 40.2 32.2 48.2
55 22.6 18.1 27.1
61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.930 ug/l

RT: 11.214 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

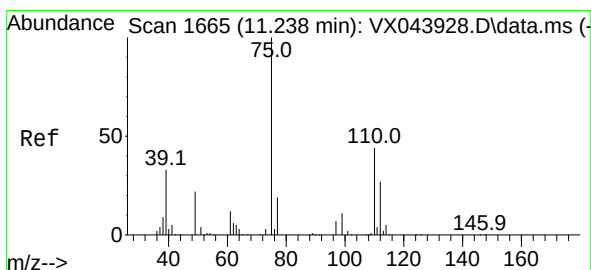
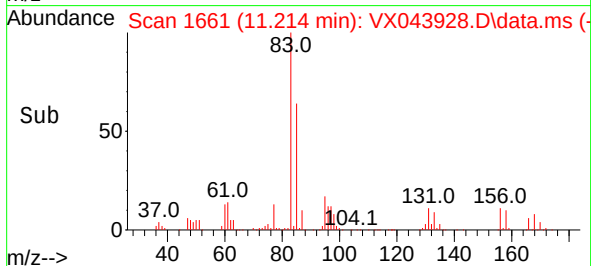
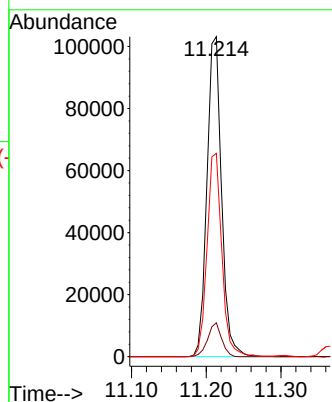
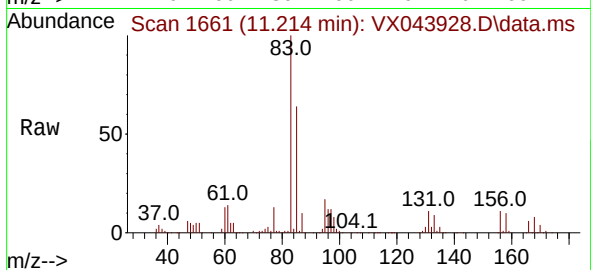
Tgt Ion: 83 Resp: 139756

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.4 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 72.666 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX043928.D

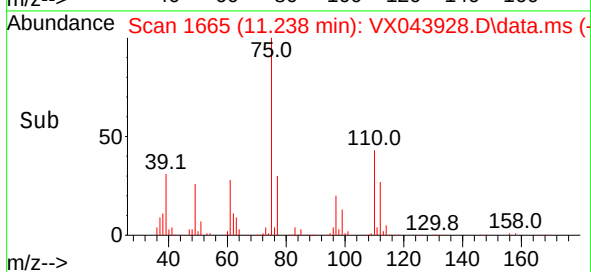
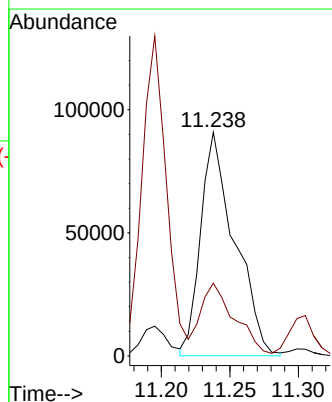
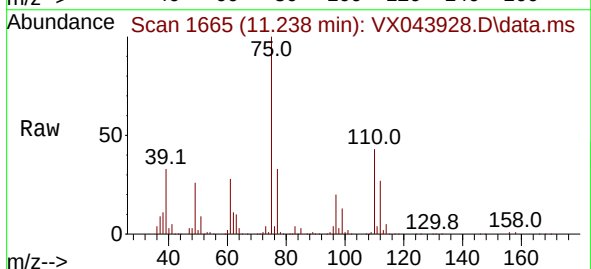
Acq: 21 Nov 2024 11:17

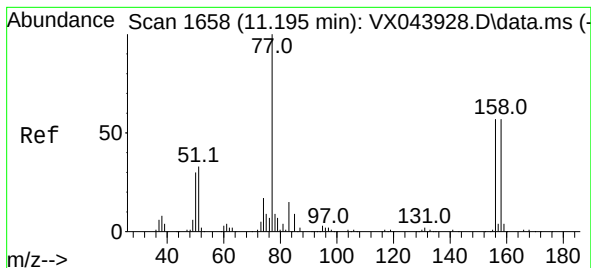
Tgt Ion: 75 Resp: 157199

Ion Ratio Lower Upper

75 100

77 32.8 21.8 65.3





#77

Bromobenzene

Concen: 53.145 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

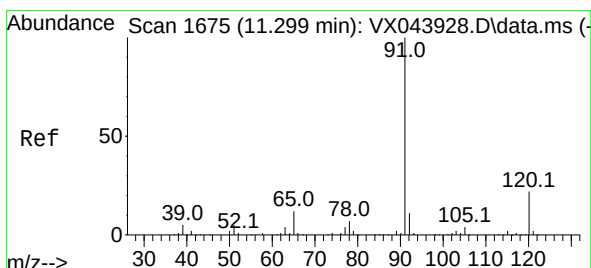
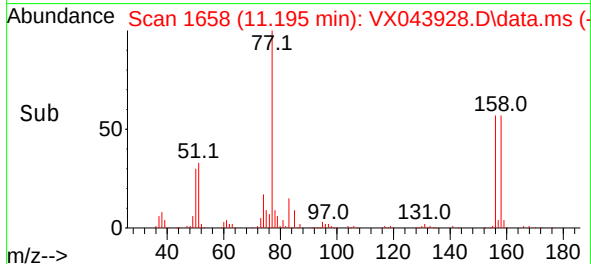
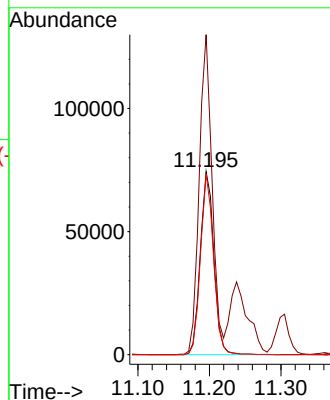
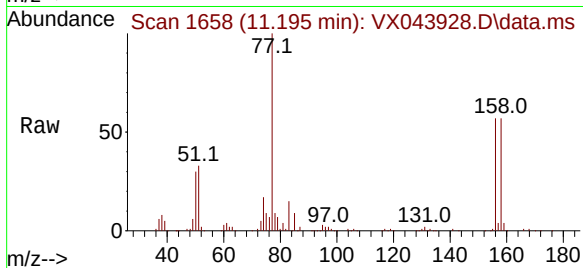
Tgt Ion:156 Resp: 97761

Ion Ratio Lower Upper

156 100

77 166.7 83.4 250.1

158 95.2 47.6 142.8



#78

n-propylbenzene

Concen: 55.131 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX043928.D

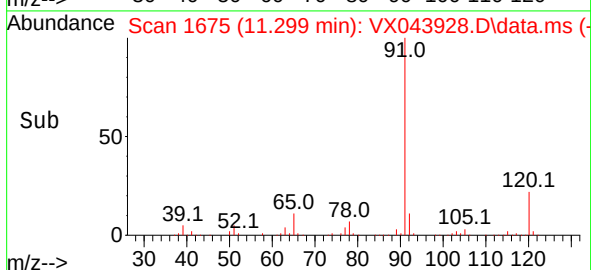
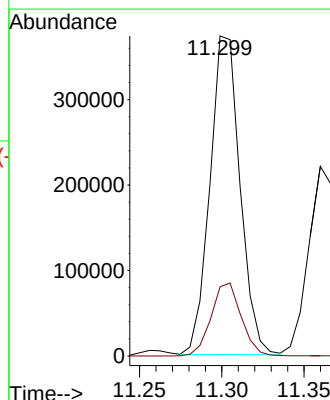
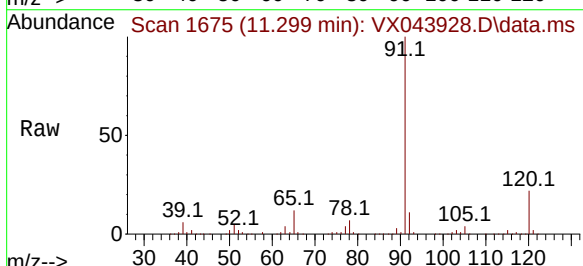
Acq: 21 Nov 2024 11:17

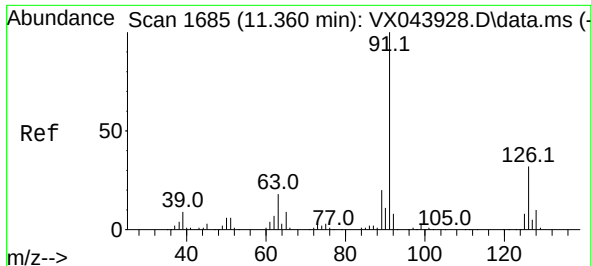
Tgt Ion: 91 Resp: 474802

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 52.636 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

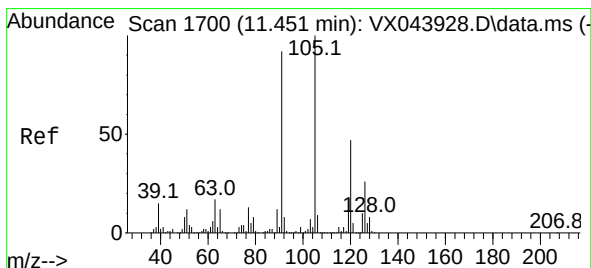
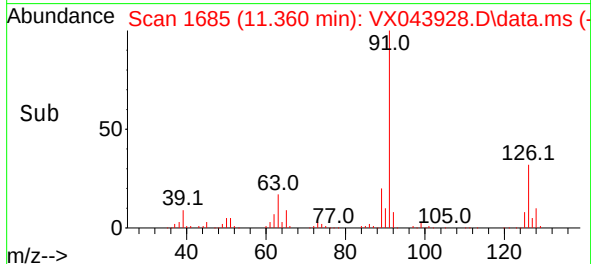
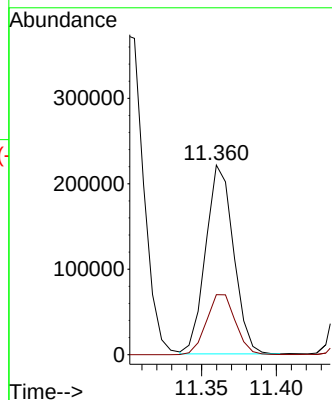
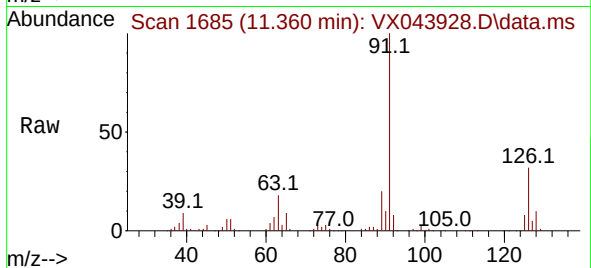
VSTDICCC050

Tgt Ion: 91 Resp: 286649

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 54.465 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043928.D

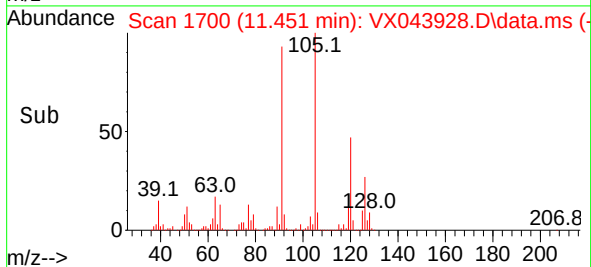
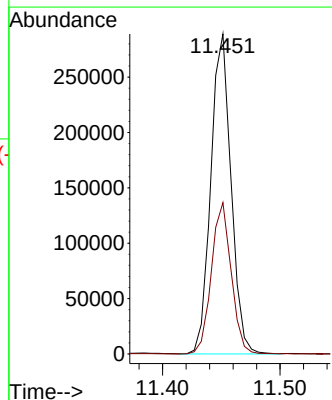
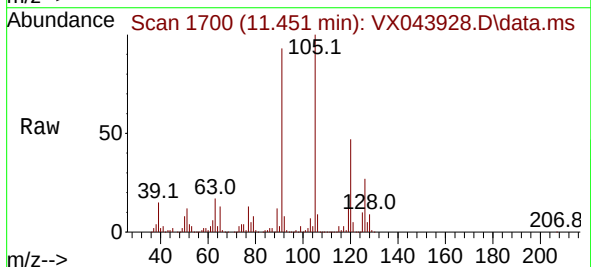
Acq: 21 Nov 2024 11:17

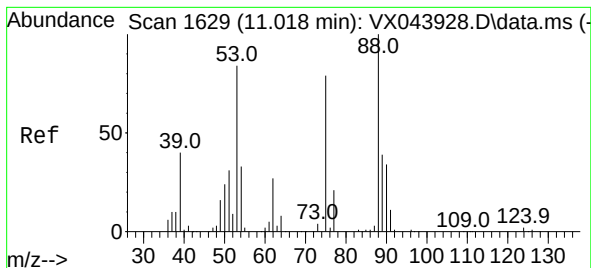
Tgt Ion:105 Resp: 345531

Ion Ratio Lower Upper

105 100

120 46.5 23.3 69.8

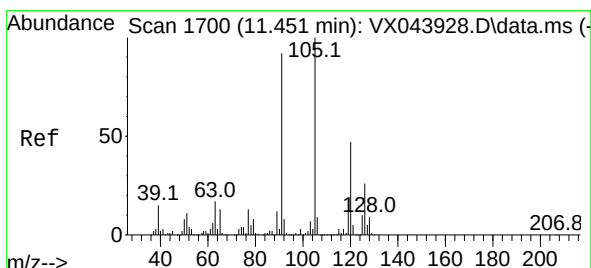
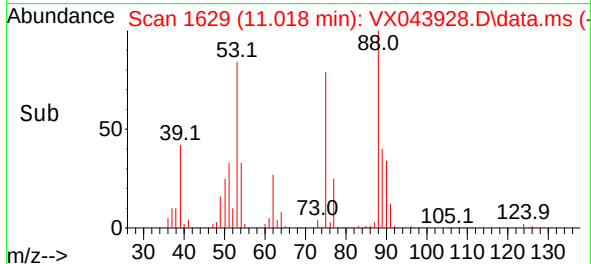
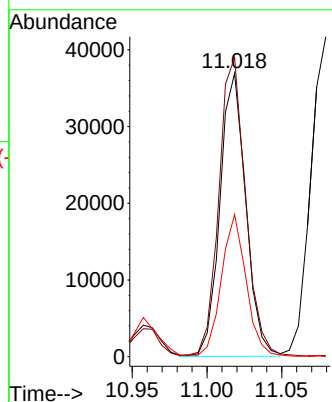
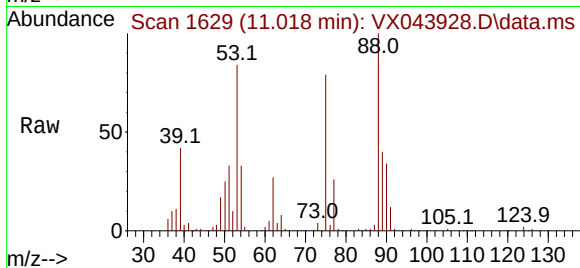




#81
trans-1,4-Dichloro-2-butene
Concen: 55.136 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

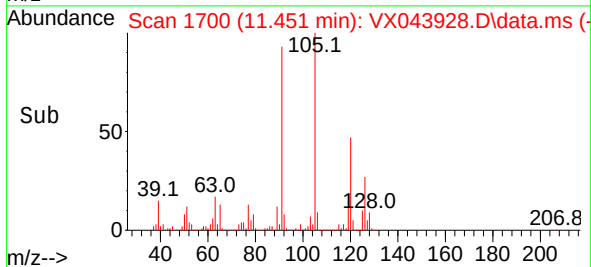
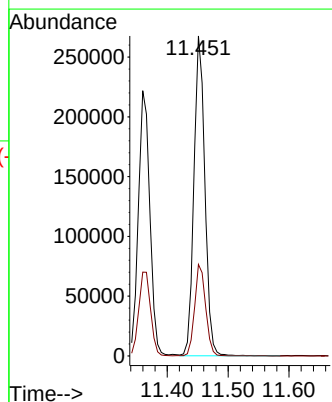
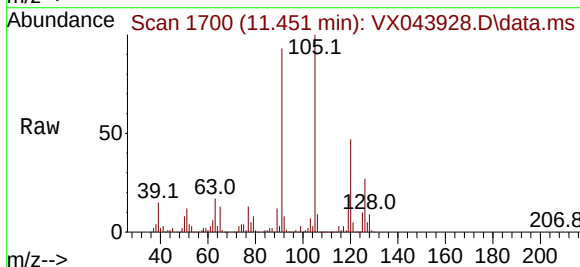
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

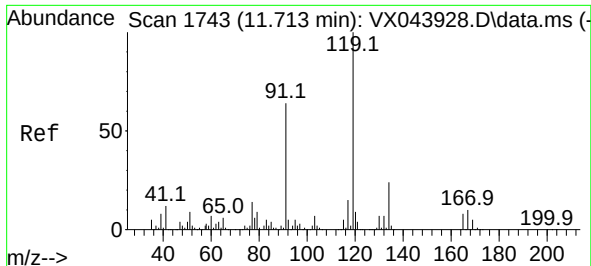
Tgt Ion: 75 Resp: 44450
Ion Ratio Lower Upper
75 100
53 108.4 86.7 130.1
89 47.7 38.2 57.2



#82
4-Chlorotoluene
Concen: 54.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946
Ion Ratio Lower Upper
91 100
126 28.6 14.3 42.9





#83

tert-Butylbenzene

Concen: 54.884 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

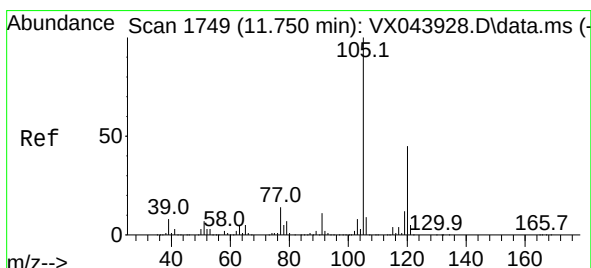
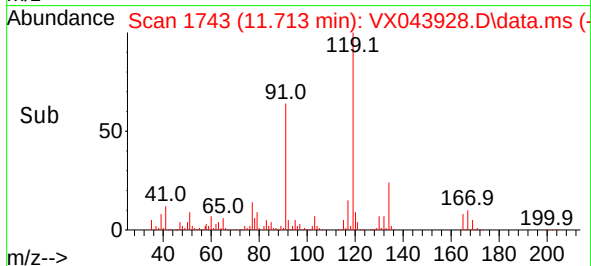
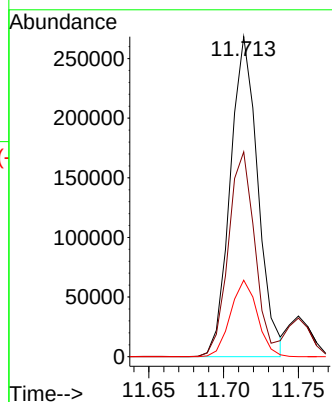
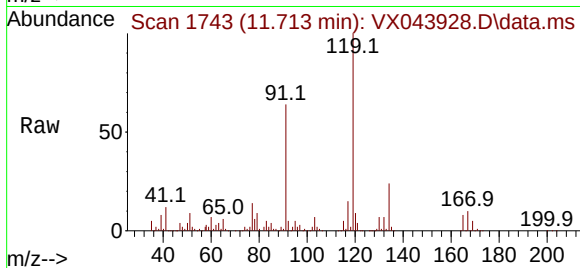
Tgt Ion:119 Resp: 345112

Ion Ratio Lower Upper

119 100

91 62.0 31.0 93.0

134 23.2 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 54.640 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043928.D

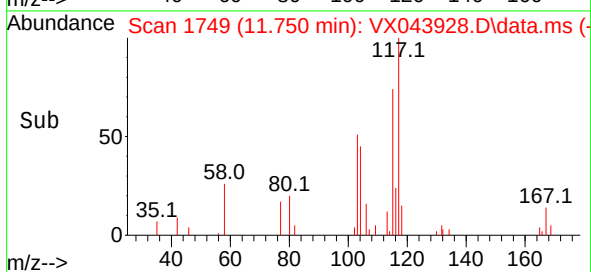
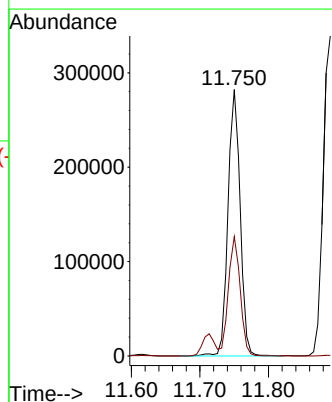
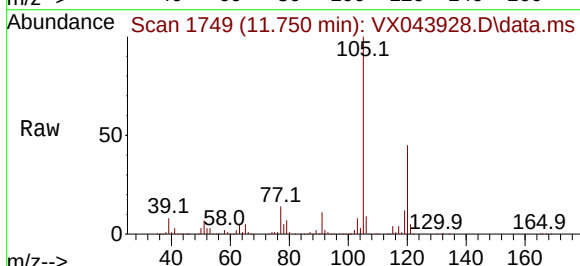
Acq: 21 Nov 2024 11:17

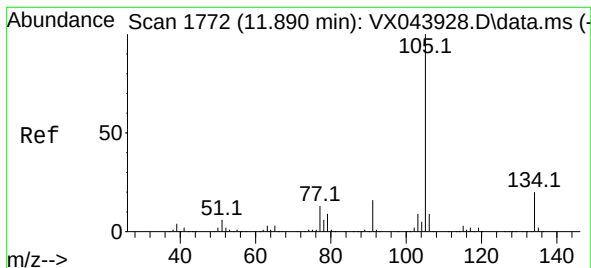
Tgt Ion:105 Resp: 345112

Ion Ratio Lower Upper

105 100

120 43.8 21.9 65.7

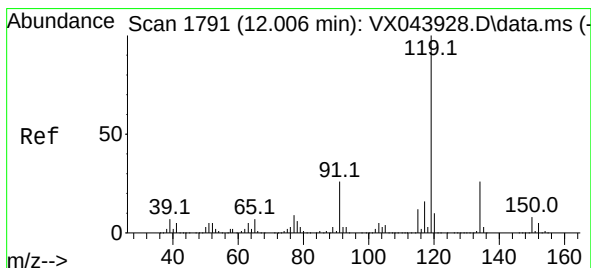
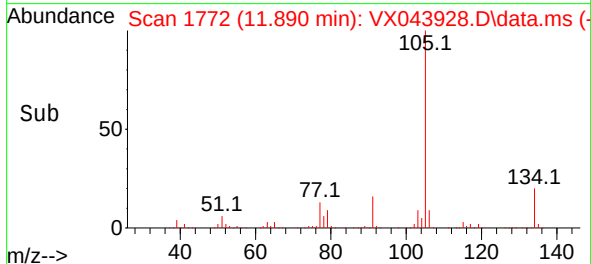
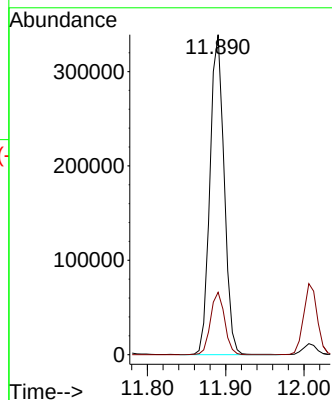
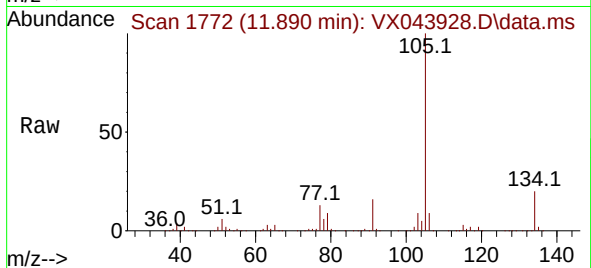




#85
 sec-Butylbenzene
 Concen: 55.331 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

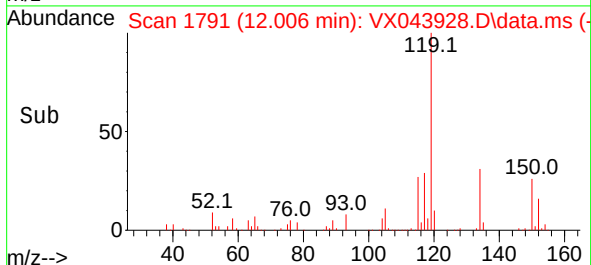
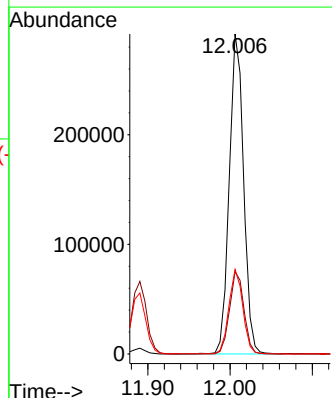
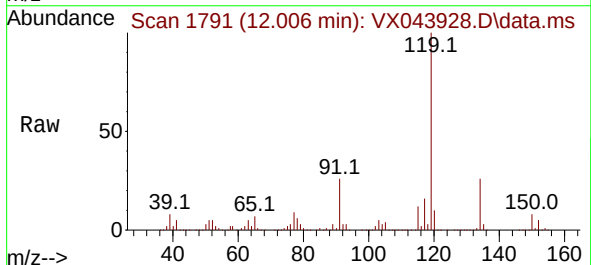
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

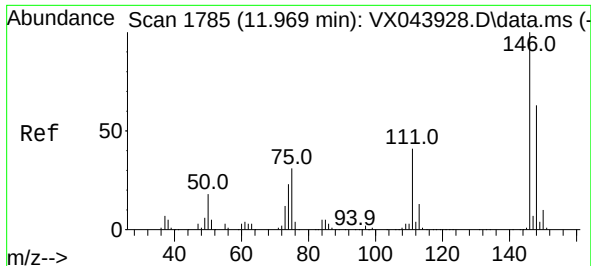
Tgt Ion:105 Resp: 426284
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 56.448 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 25.9 13.0 38.9

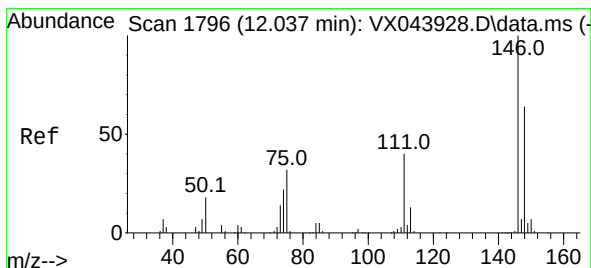
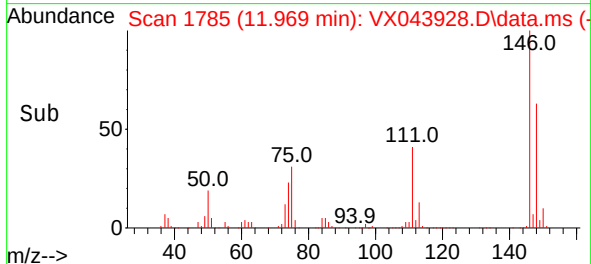
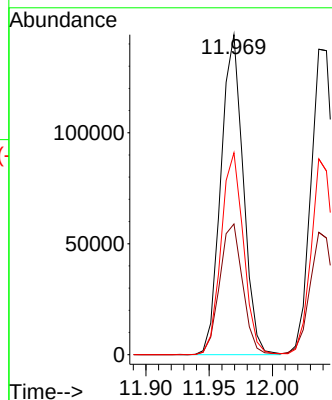
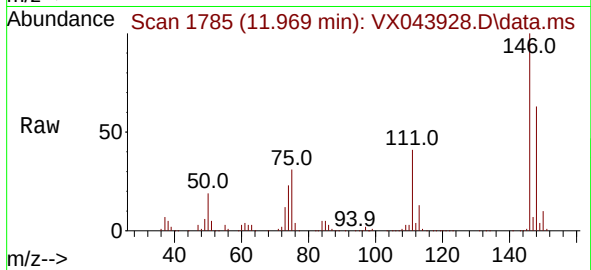




#87
1,3-Dichlorobenzene
Concen: 52.812 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

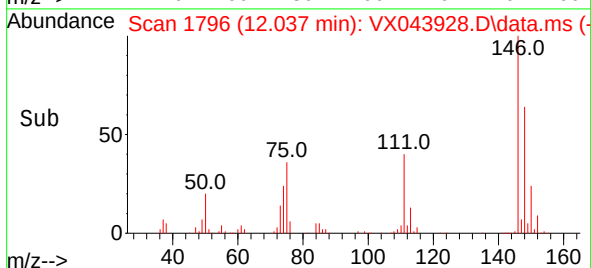
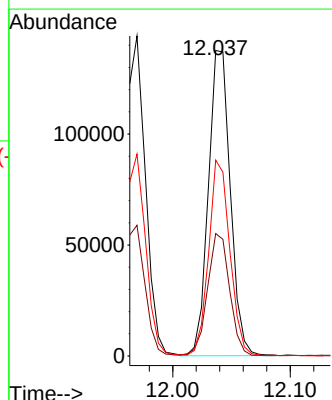
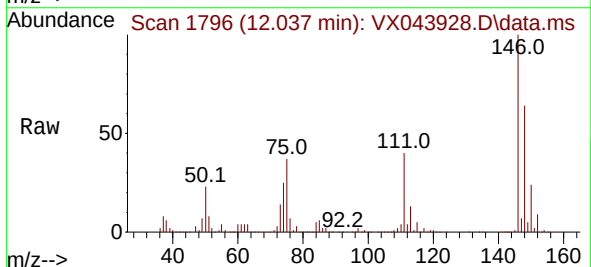
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

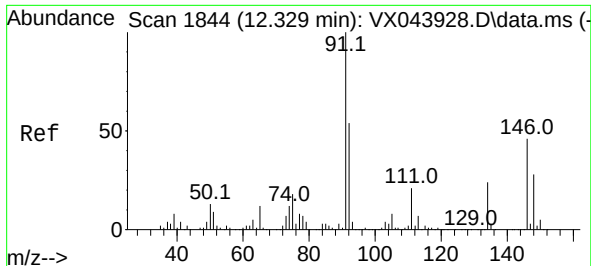
Tgt Ion:146 Resp: 176936
Ion Ratio Lower Upper
146 100
111 42.2 21.1 63.3
148 63.4 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 52.530 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 178728
Ion Ratio Lower Upper
146 100
111 40.2 20.1 60.3
148 61.9 30.9 92.8





#89

n-Butylbenzene

Concen: 57.897 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

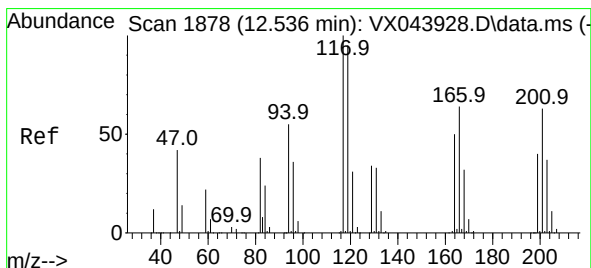
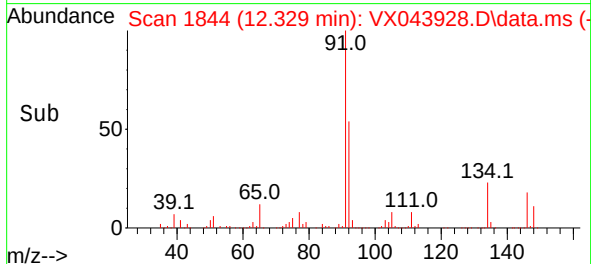
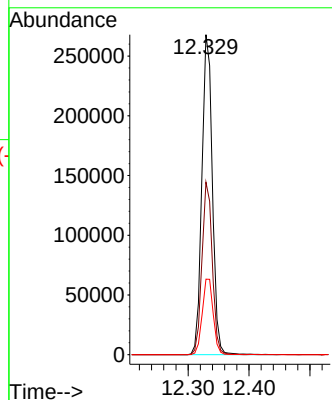
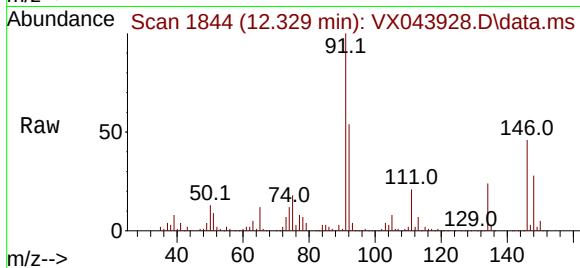
Tgt Ion: 91 Resp: 319448

Ion Ratio Lower Upper

91 100

92 53.2 26.6 79.8

134 24.8 12.4 37.2



#90

Hexachloroethane

Concen: 55.453 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043928.D

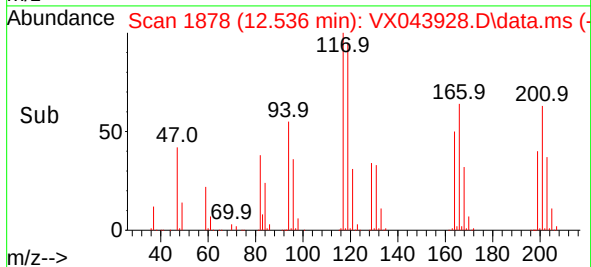
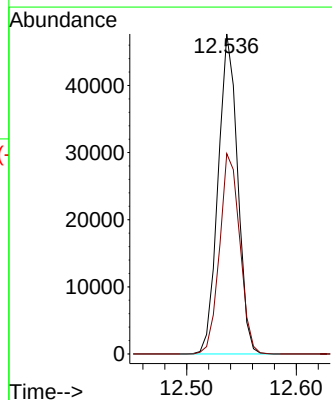
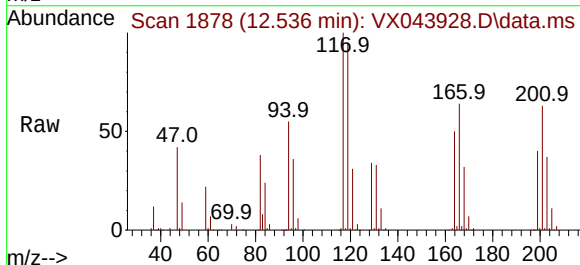
Acq: 21 Nov 2024 11:17

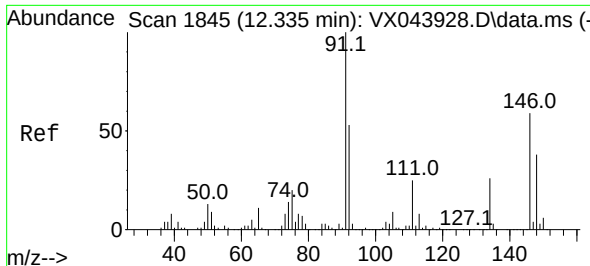
Tgt Ion: 117 Resp: 59010

Ion Ratio Lower Upper

117 100

201 64.7 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 52.449 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

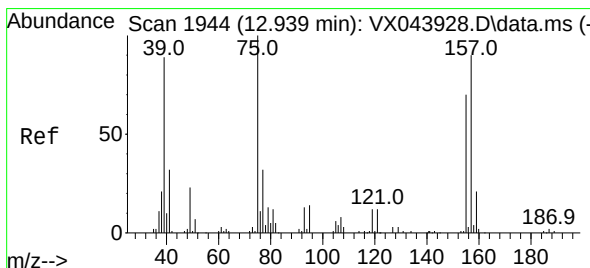
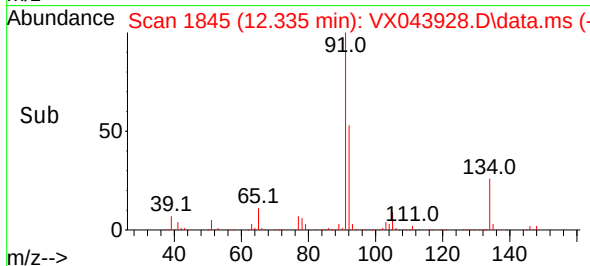
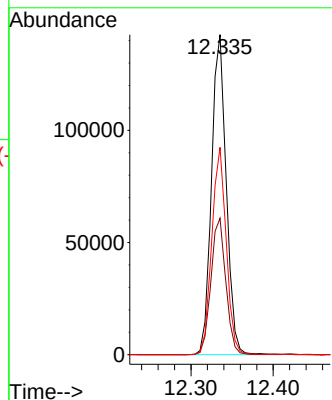
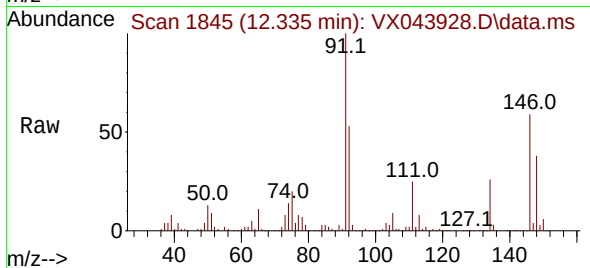
Tgt Ion:146 Resp: 177334

Ion Ratio Lower Upper

146 100

111 43.0 21.5 64.5

148 63.7 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.806 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

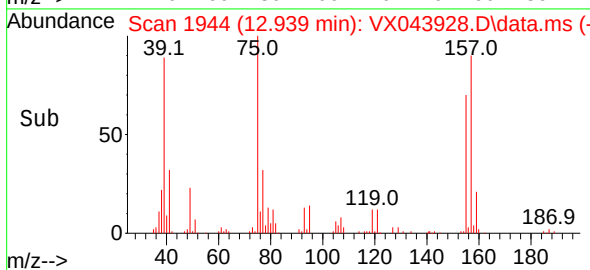
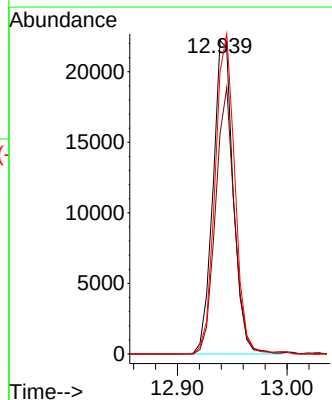
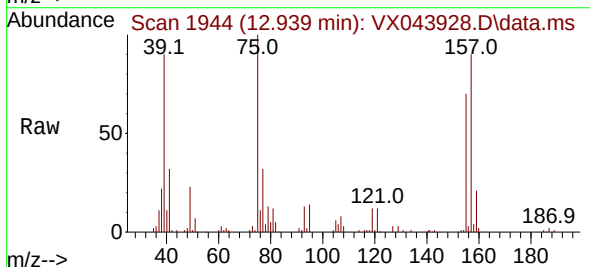
Tgt Ion: 75 Resp: 28467

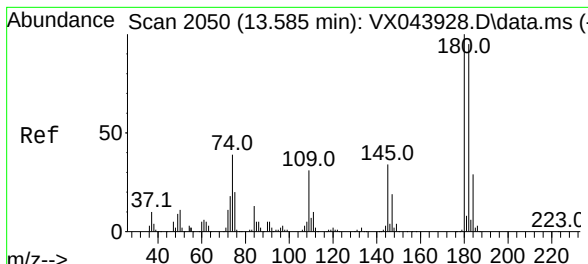
Ion Ratio Lower Upper

75 100

155 80.1 40.1 120.2

157 99.3 49.6 149.0

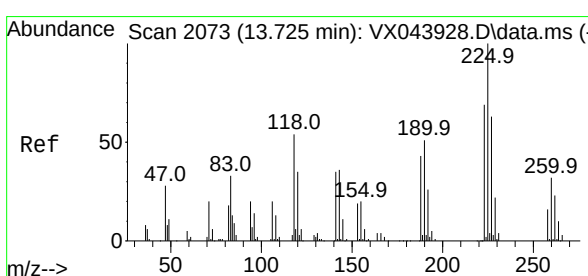
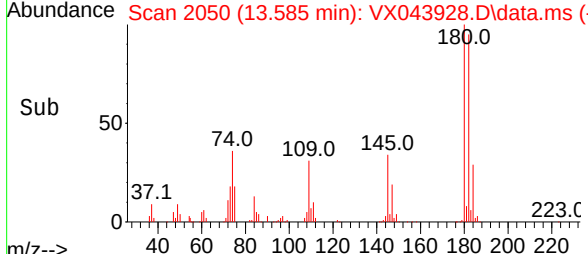
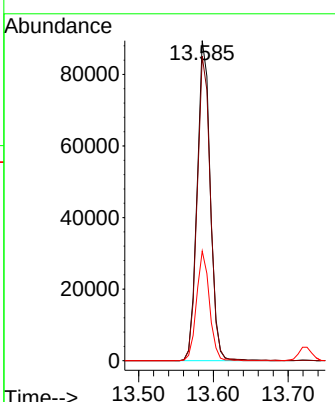
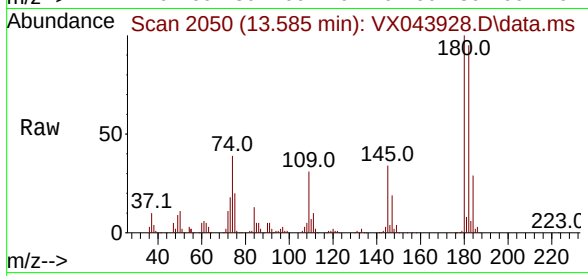




#93
 1,2,4-Trichlorobenzene
 Concen: 54.556 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

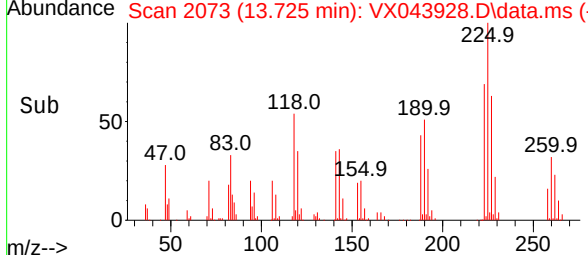
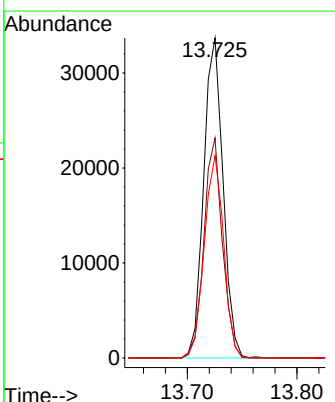
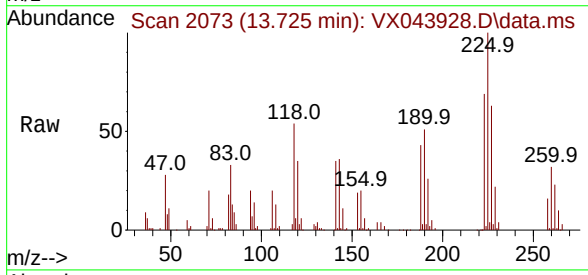
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

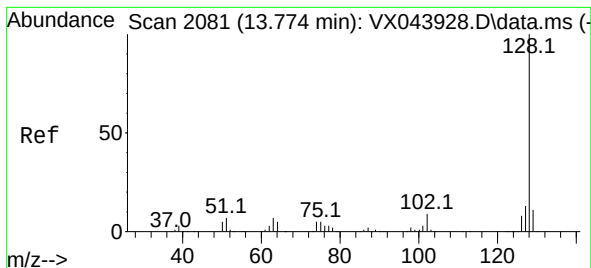
Tgt Ion:	180	Resp:	108749
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	33.6	16.8	50.4



#94
 Hexachlorobutadiene
 Concen: 52.382 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX043928.D
 Acq: 21 Nov 2024 11:17

Tgt Ion:	225	Resp:	41267
Ion Ratio	Lower	Upper	
225	100		
223	65.7	32.9	98.6
227	63.2	31.6	94.8

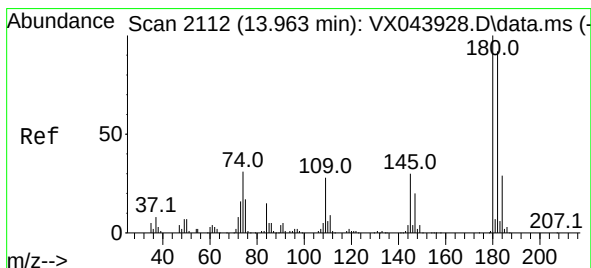
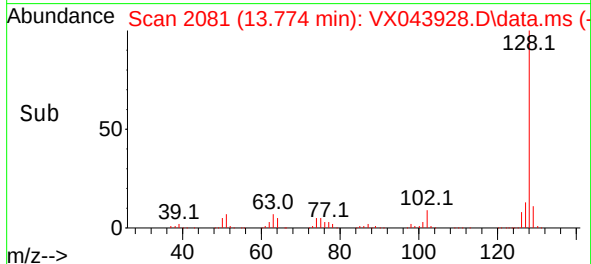
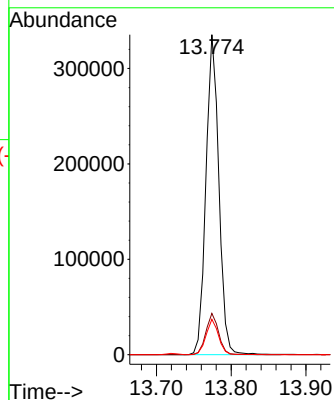
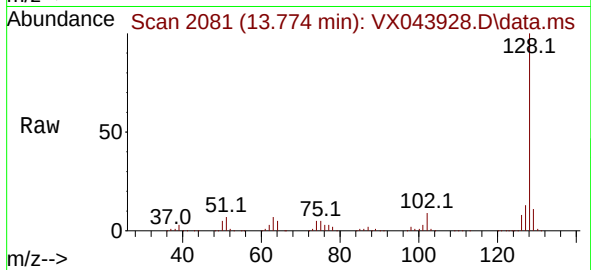




#95
Naphthalene
Concen: 55.990 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

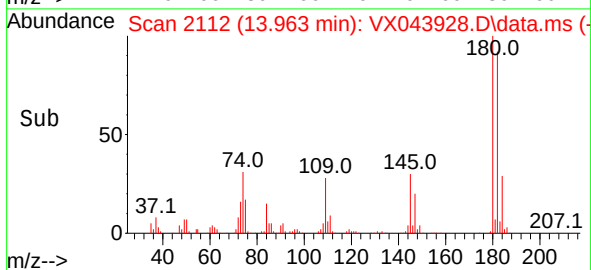
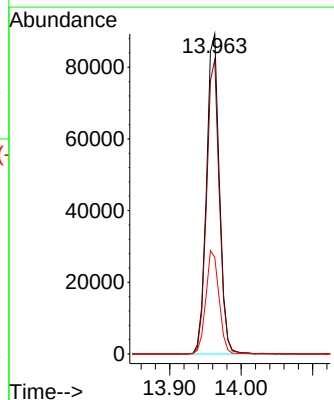
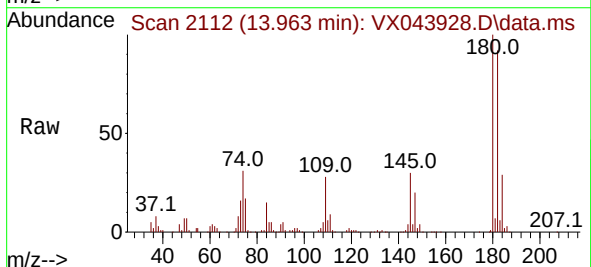
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 401752
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 55.593 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 112162
Ion Ratio Lower Upper
180 100
182 91.2 45.6 136.8
145 32.9 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043929.D
 Acq On : 21 Nov 2024 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 22 03:31:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	138314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104048	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	236531	99.704	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 199.400%#	
35) Dibromofluoromethane	5.379	113	176869	100.449	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 200.900%#	
50) Toluene-d8	8.647	98	607337	100.062	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 200.120%#	
62) 4-Bromofluorobenzene	11.079	95	215953	104.545	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 209.080%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	94.820	ug/l 99
3) Chloromethane	1.295	50	183899	99.735	ug/l 100
4) Vinyl Chloride	1.374	62	192221	98.011	ug/l 98
5) Bromomethane	1.593	94	118792	98.459	ug/l 98
6) Chloroethane	1.660	64	101816	85.198	ug/l 99
7) Trichlorofluoromethane	1.868	101	354375	101.066	ug/l 100
8) Diethyl Ether	2.136	74	125840	98.466	ug/l 100
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	97.448	ug/l 99
10) Methyl Iodide	2.441	142	213858	102.378	ug/l 99
11) Tert butyl alcohol	3.002	59	184757	485.208	ug/l 99
12) 1,1-Dichloroethene	2.307	96	158111	99.205	ug/l 97
13) Acrolein	2.240	56	200929	500.625	ug/l 97
14) Allyl chloride	2.654	41	276068	106.008	ug/l 98
15) Acrylonitrile	3.069	53	458624	494.243	ug/l 98
16) Acetone	2.386	43	511112	469.087	ug/l 99
17) Carbon Disulfide	2.502	76	367958	111.925	ug/l 99
18) Methyl Acetate	2.703	43	247225	97.433	ug/l 99
19) Methyl tert-butyl Ether	3.117	73	597600	103.267	ug/l 100
20) Methylene Chloride	2.782	84	178008	96.271	ug/l 96
21) trans-1,2-Dichloroethene	3.087	96	165989	100.875	ug/l 93
22) Diisopropyl ether	3.764	45	572855	102.872	ug/l 97
23) Vinyl Acetate	3.721	43	2570419	539.590	ug/l 100
24) 1,1-Dichloroethane	3.605	63	327756	102.025	ug/l 99
25) 2-Butanone	4.562	43	690992	491.491	ug/l 99
26) 2,2-Dichloropropane	4.471	77	299254	103.146	ug/l 99
27) cis-1,2-Dichloroethene	4.483	96	206207	101.381	ug/l 99
28) Bromochloromethane	4.898	49	138227	97.752	ug/l 97
29) Tetrahydrofuran	5.007	42	419743	486.991	ug/l 99
30) Chloroform	5.087	83	350923	101.565	ug/l 97
31) Cyclohexane	5.458	56	256114	96.865	ug/l 98
32) 1,1,1-Trichloroethane	5.373	97	309469	103.862	ug/l 99
36) 1,1-Dichloropropene	5.684	75	222573	101.439	ug/l 98
37) Ethyl Acetate	4.715	43	265631	97.527	ug/l 99
38) Carbon Tetrachloride	5.672	117	256290	103.953	ug/l 99
39) Methylcyclohexane	7.373	83	283075	99.308	ug/l 97
40) Benzene	6.032	78	684139	100.099	ug/l 99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043929.D
 Acq On : 21 Nov 2024 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 22 03:31:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	143256	102.765	ug/l	97
42) 1,2-Dichloroethane	6.080	62	271641	98.961	ug/l	99
43) Isopropyl Acetate	6.342	43	440615	101.652	ug/l	100
44) Trichloroethene	7.123	130	169796	87.759	ug/l	94
45) 1,2-Dichloropropane	7.428	63	170741	101.998	ug/l	100
46) Dibromomethane	7.574	93	135928	102.651	ug/l	99
47) Bromodichloromethane	7.818	83	260442	109.665	ug/l	100
48) Methyl methacrylate	7.690	41	210614	101.262	ug/l	99
49) 1,4-Dioxane	7.665	88	62845	1752.518	ug/l	87
51) 4-Methyl-2-Pentanone	8.574	43	1329064	502.451	ug/l	100
52) Toluene	8.714	92	418999	102.426	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	270418	111.660	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	285627	107.584	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	167357	99.107	ug/l	97
56) Ethyl methacrylate	9.116	69	286893	109.076	ug/l	98
57) 1,3-Dichloropropane	9.305	76	285511	100.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	489.972	ug/l	100
59) 2-Hexanone	9.433	43	1011261	508.639	ug/l	99
60) Dibromochloromethane	9.519	129	187476	110.653	ug/l	98
61) 1,2-Dibromoethane	9.610	107	176345	103.278	ug/l	100
64) Tetrachloroethene	9.269	164	135740	95.484	ug/l	96
65) Chlorobenzene	10.080	112	461076	97.374	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	107.177	ug/l	99
67) Ethyl Benzene	10.189	91	812289	101.238	ug/l	99
68) m/p-Xylenes	10.299	106	603451	201.677	ug/l	100
69) o-Xylene	10.640	106	298739	102.257	ug/l	99
70) Styrene	10.653	104	511251	105.807	ug/l	99
71) Bromoform	10.799	173	123114	98.888	ug/l #	100
73) Isopropylbenzene	10.957	105	765623	95.726	ug/l	100
74) N-amyl acetate	10.842	43	394438	106.458	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	95.779	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	297947	132.787	ug/l	82
77) Bromobenzene	11.195	156	183742	96.304	ug/l	100
78) n-propylbenzene	11.305	91	891893	99.846	ug/l	99
79) 2-Chlorotoluene	11.360	91	537190	95.103	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	98.618	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	105.289	ug/l	98
82) 4-Chlorotoluene	11.451	91	629590	98.728	ug/l	100
83) tert-Butylbenzene	11.713	119	655918	100.570	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	650156	99.244	ug/l	100
85) sec-Butylbenzene	11.890	105	793233	99.267	ug/l	99
86) p-Isopropyltoluene	12.006	119	669819	103.194	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	337665	97.171	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	343312	97.283	ug/l	98
89) n-Butylbenzene	12.329	91	605284	105.767	ug/l	99
90) Hexachloroethane	12.536	117	120913	109.549	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	341767	97.457	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	104.396	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	210571	101.849	ug/l	99
94) Hexachlorobutadiene	13.725	225	79822	97.688	ug/l	98
95) Naphthalene	13.774	128	776740	104.367	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	101.219	ug/l	95

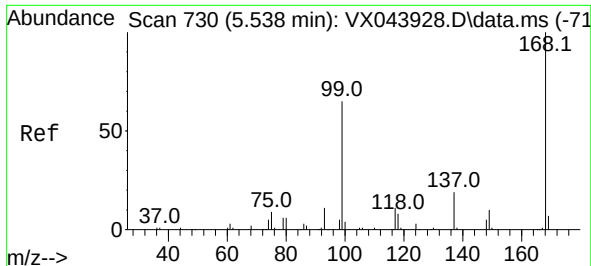
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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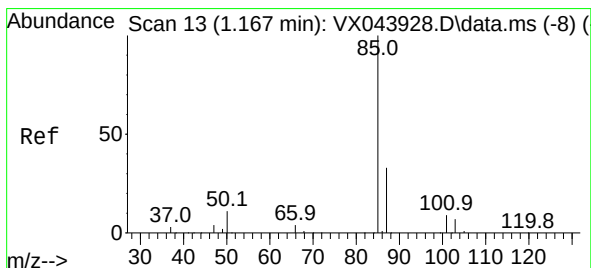
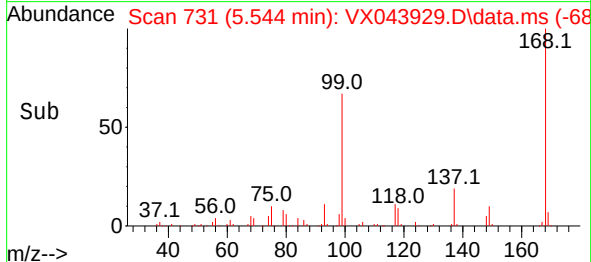
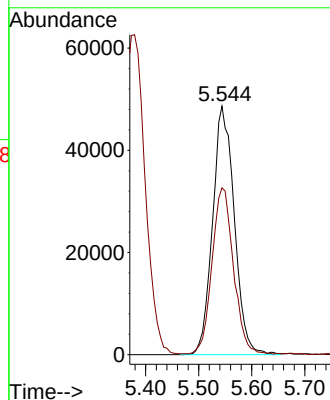
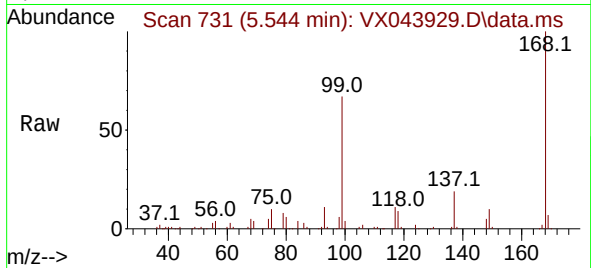
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

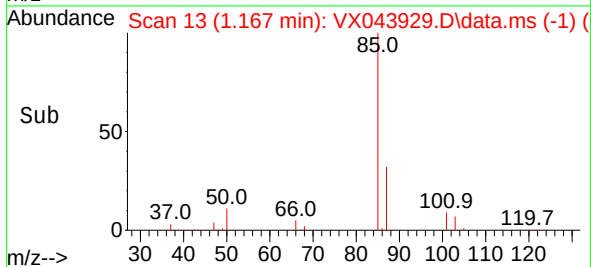
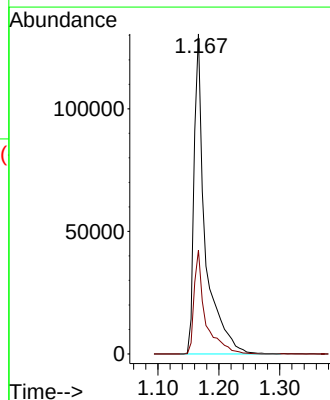
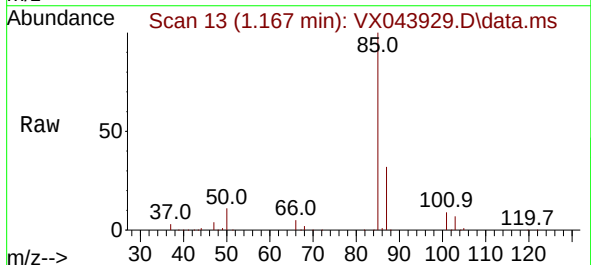
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

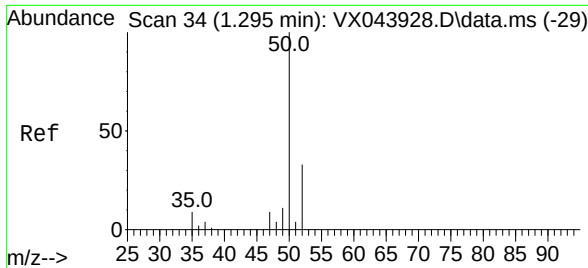
Tgt Ion:168 Resp: 138314
Ion Ratio Lower Upper
168 100
99 66.7 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 94.820 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8

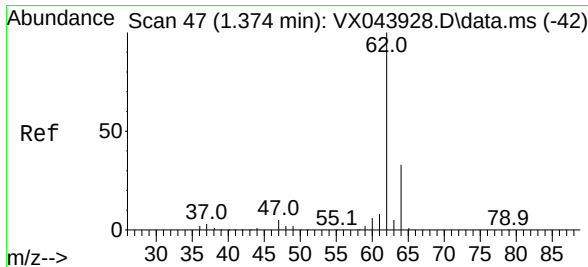
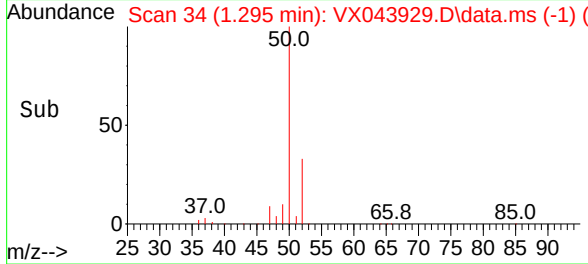
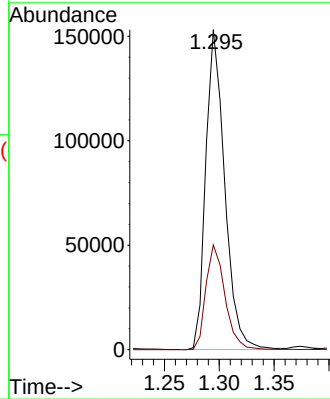
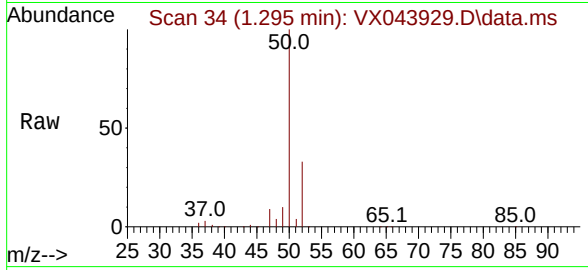




#3
Chloromethane
Concen: 99.735 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

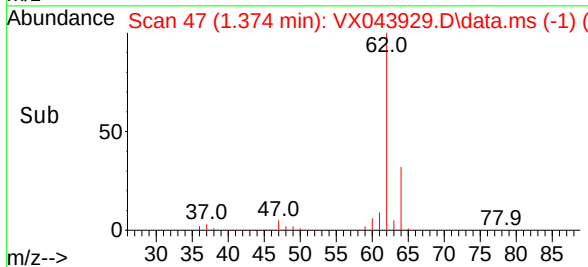
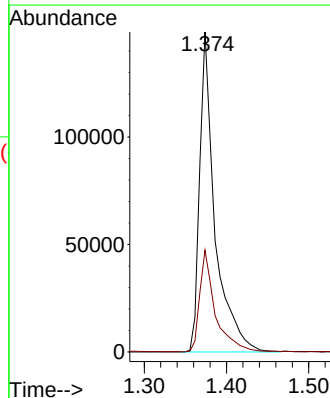
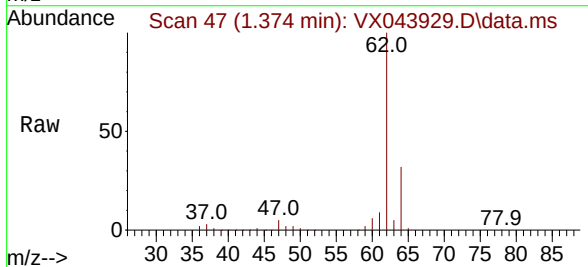
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

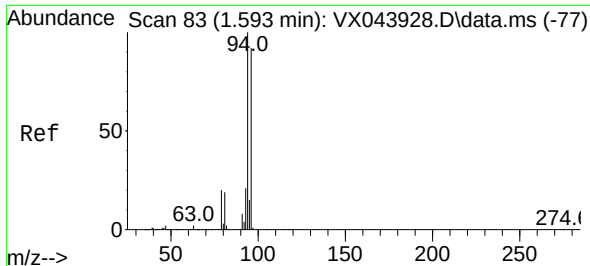
Tgt Ion: 50 Resp: 183899
Ion Ratio Lower Upper
50 100
52 32.8 26.1 39.1



#4
Vinyl Chloride
Concen: 98.011 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221
Ion Ratio Lower Upper
62 100
64 31.7 26.2 39.4

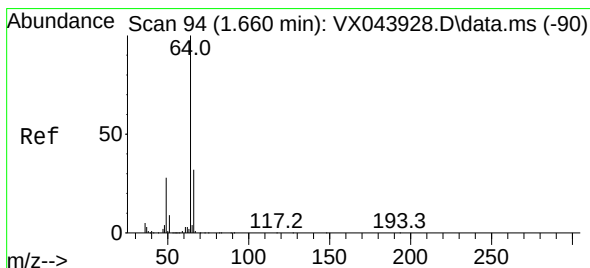
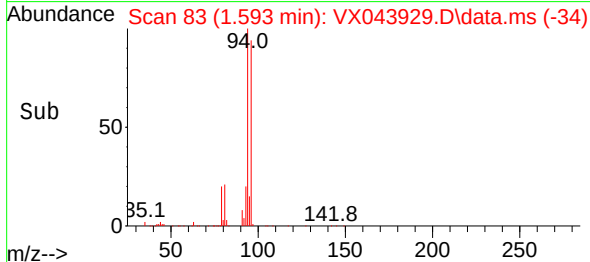
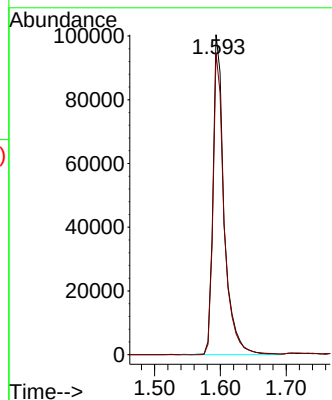
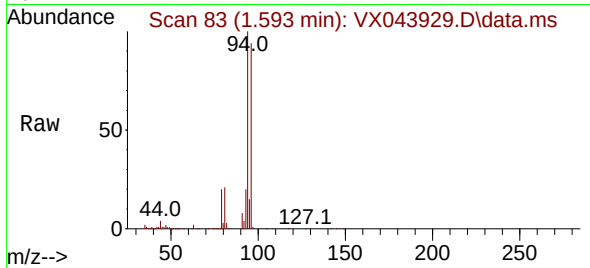




#5
 Bromomethane
 Concen: 98.459 ug/l
 RT: 1.593 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

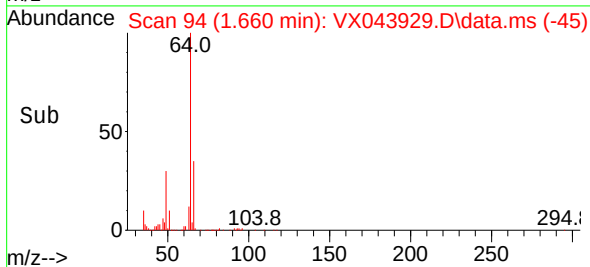
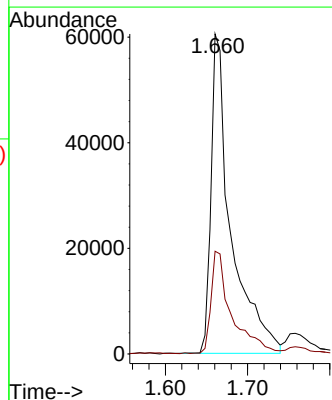
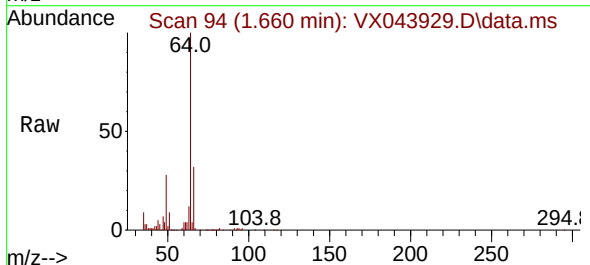
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

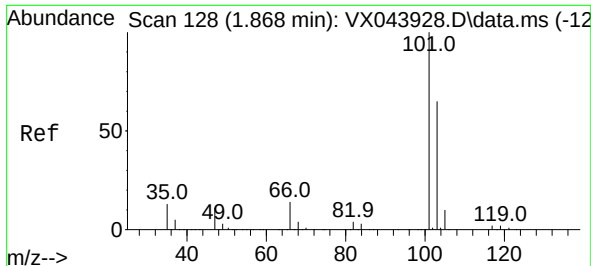
Tgt Ion: 94 Resp: 118792
 Ion Ratio Lower Upper
 94 100
 96 94.3 73.9 110.9



#6
 Chloroethane
 Concen: 85.198 ug/l
 RT: 1.660 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816
 Ion Ratio Lower Upper
 64 100
 66 32.0 25.9 38.9

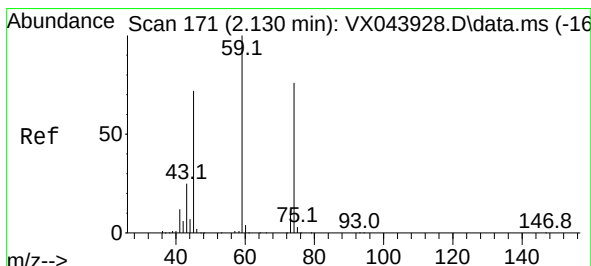
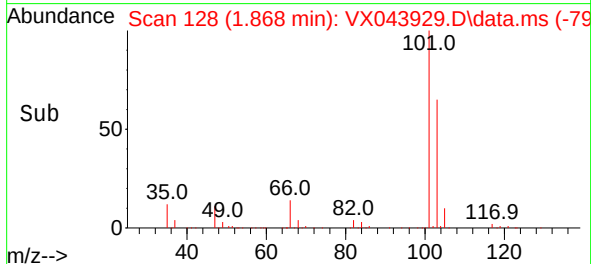
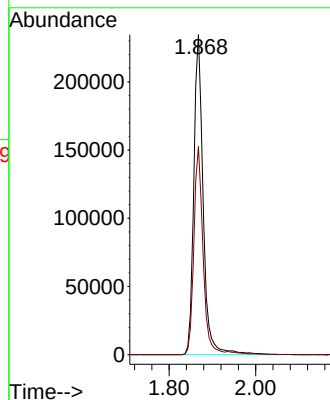
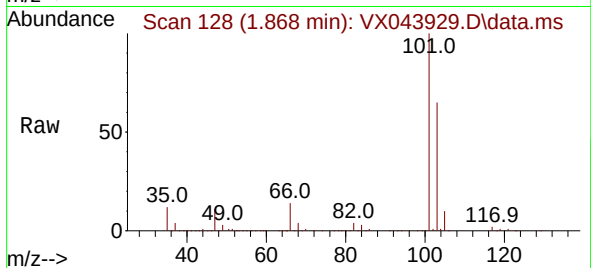




#7
 Trichlorofluoromethane
 Concen: 101.066 ug/l
 RT: 1.868 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

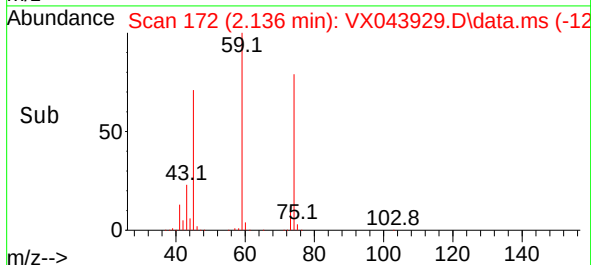
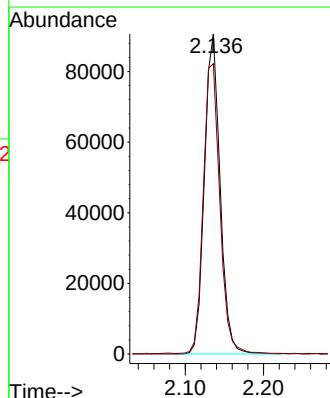
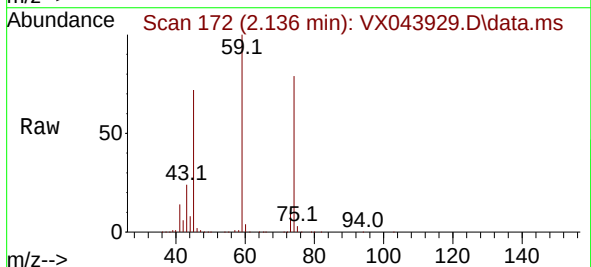
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

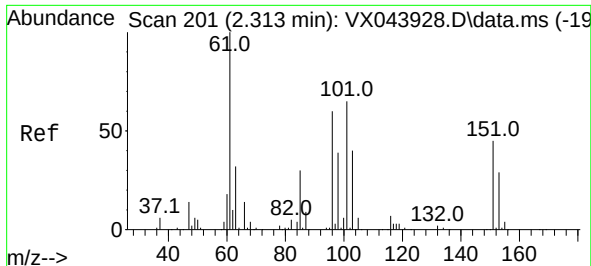
Tgt Ion:101 Resp: 354375
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.2 78.2



#8
 Diethyl Ether
 Concen: 98.466 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840
 Ion Ratio Lower Upper
 74 100
 45 95.5 47.9 143.6

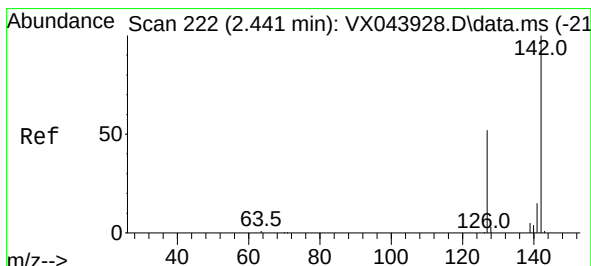
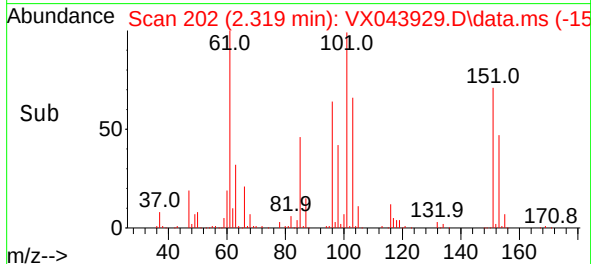
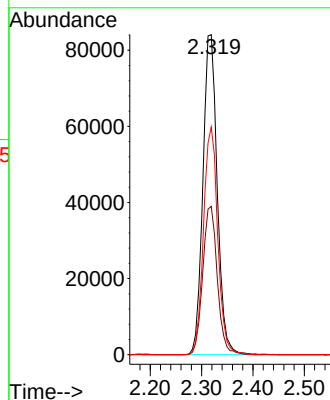
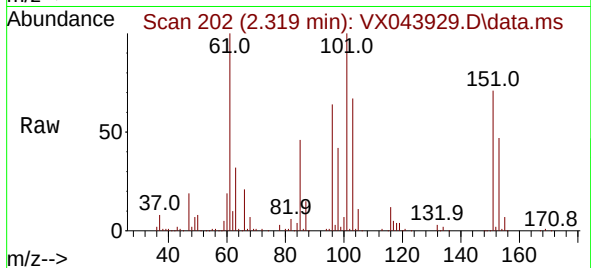




#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.448 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

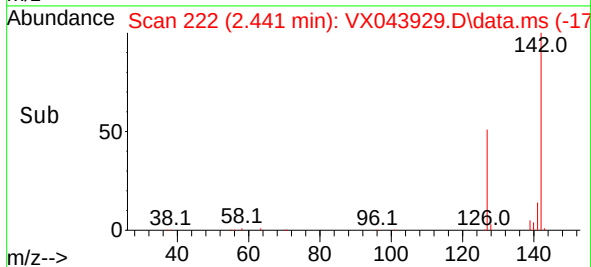
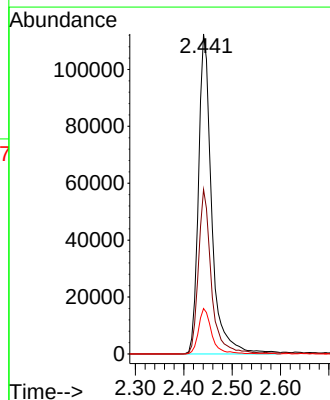
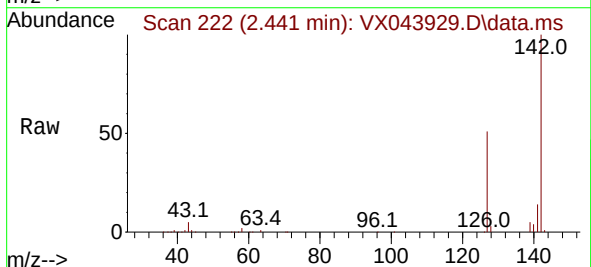
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

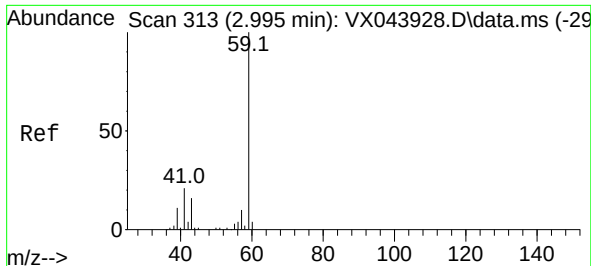
Tgt Ion:101 Resp: 162988
Ion Ratio Lower Upper
101 100
85 47.0 37.9 56.9
151 70.5 57.5 86.3



#10
Methyl Iodide
Concen: 102.378 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858
Ion Ratio Lower Upper
142 100
127 50.0 40.7 61.1
141 14.1 12.0 18.0

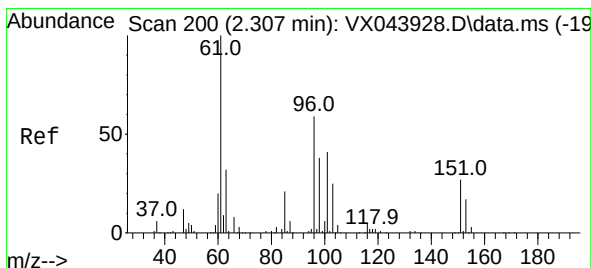
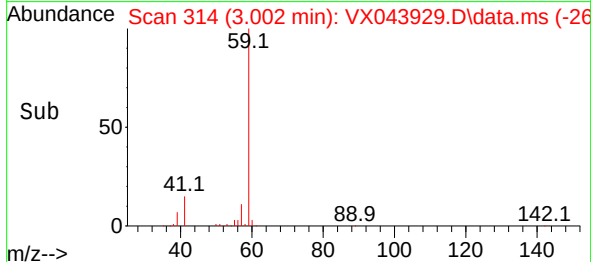
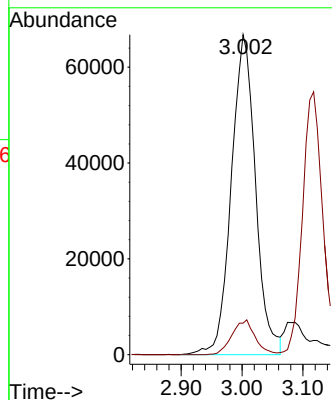
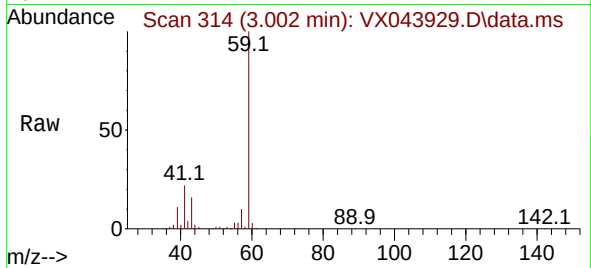




#11
Tert butyl alcohol
Concen: 485.208 ug/l
RT: 3.002 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

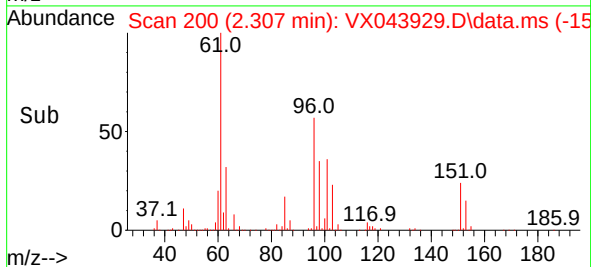
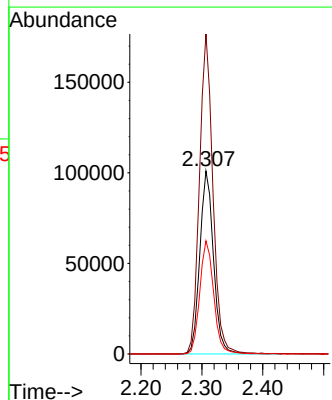
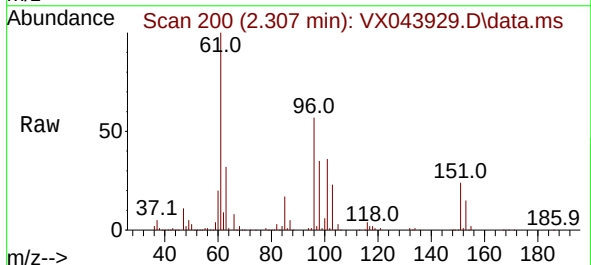
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

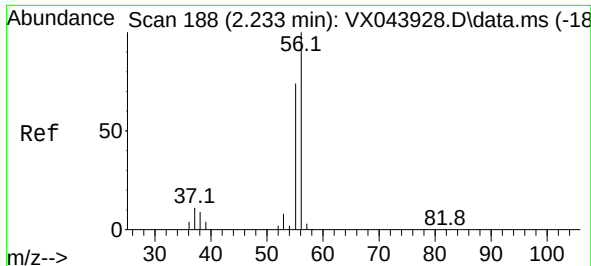
Tgt Ion: 59 Resp: 184757
Ion Ratio Lower Upper
59 100
57 10.4 7.9 11.9



#12
1,1-Dichloroethene
Concen: 99.205 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 158111
Ion Ratio Lower Upper
96 100
61 174.9 135.5 203.3
98 61.9 50.8 76.2





#13

Acrolein

Concen: 500.625 ug/l

RT: 2.240 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

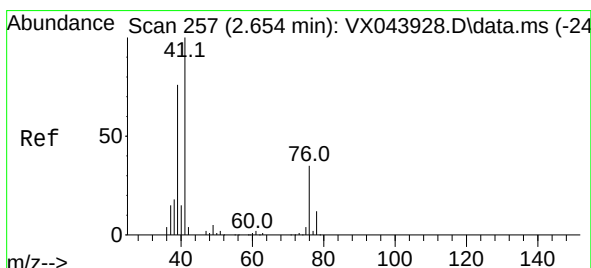
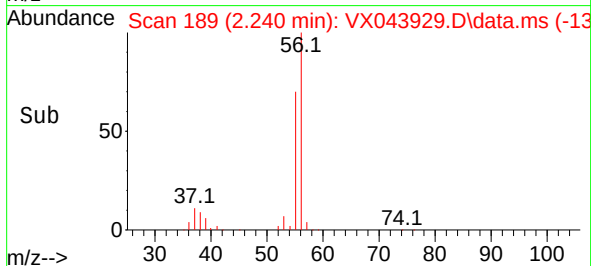
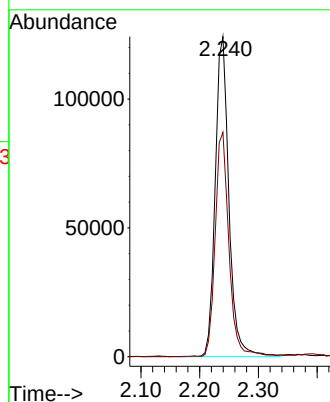
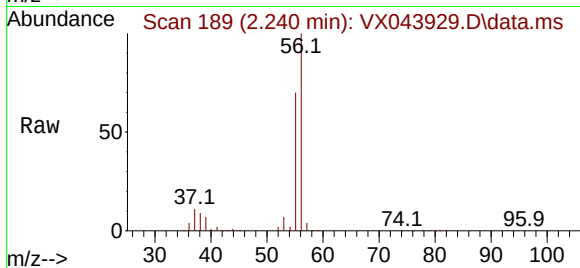
VSTDICC100

Tgt Ion: 56 Resp: 200929

Ion Ratio Lower Upper

56 100

55 70.5 58.2 87.2



#14

Allyl chloride

Concen: 106.008 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

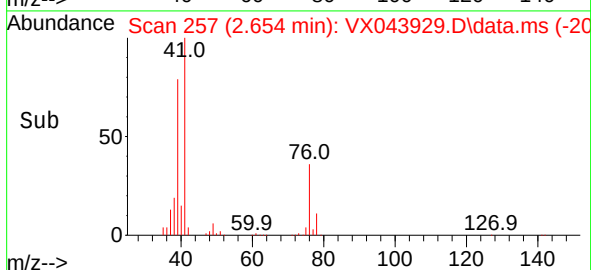
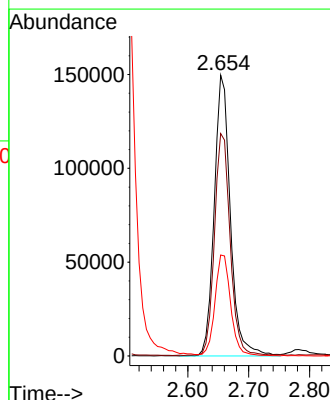
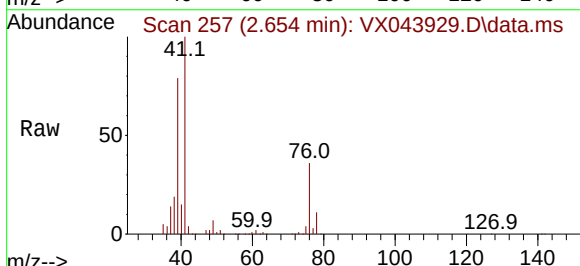
Tgt Ion: 41 Resp: 276068

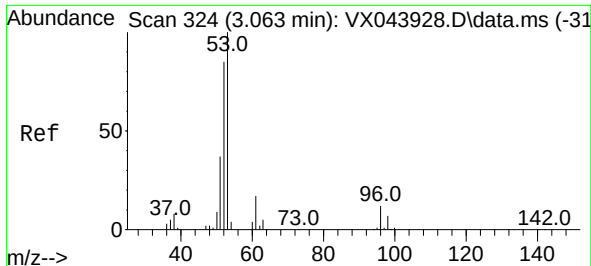
Ion Ratio Lower Upper

41 100

39 76.5 59.5 89.3

76 34.8 27.4 41.2





#15

Acrylonitrile

Concen: 494.243 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

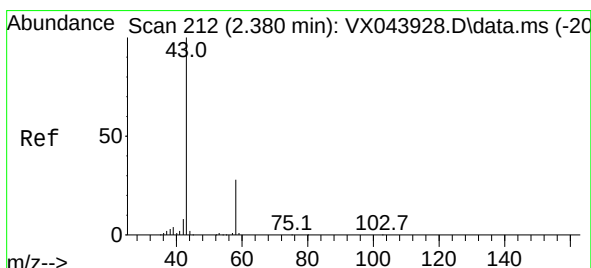
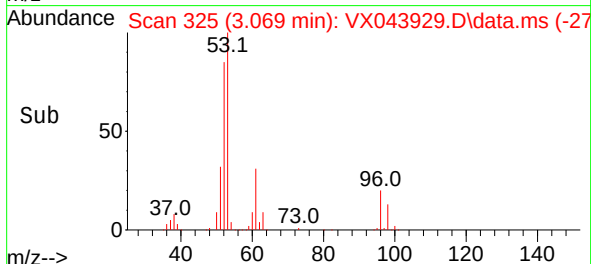
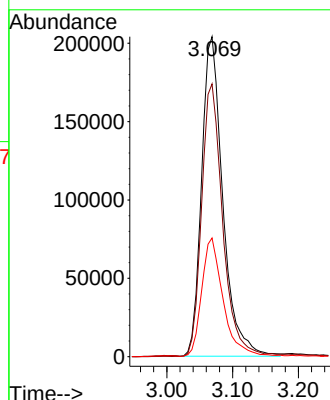
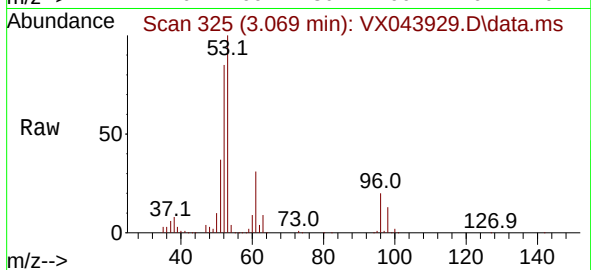
Tgt Ion: 53 Resp: 458624

Ion Ratio Lower Upper

53 100

52 85.0 66.5 99.7

51 37.0 30.2 45.4



#16

Acetone

Concen: 469.087 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043929.D

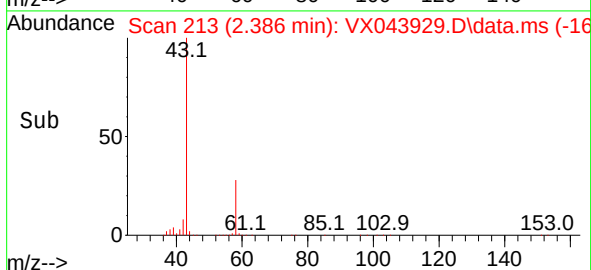
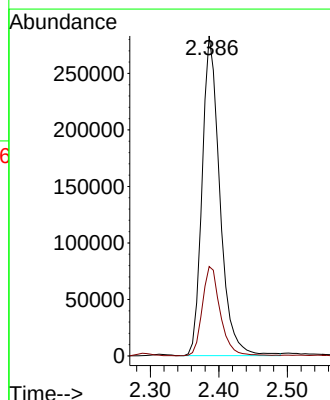
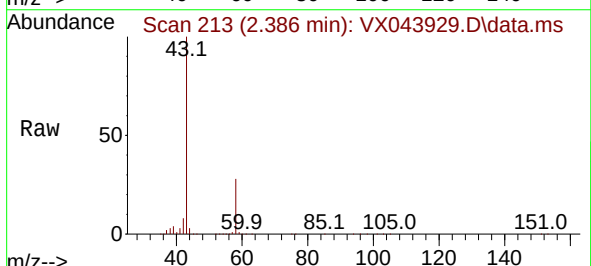
Acq: 21 Nov 2024 11:40

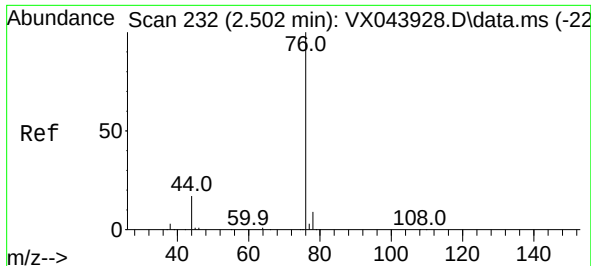
Tgt Ion: 43 Resp: 511112

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1

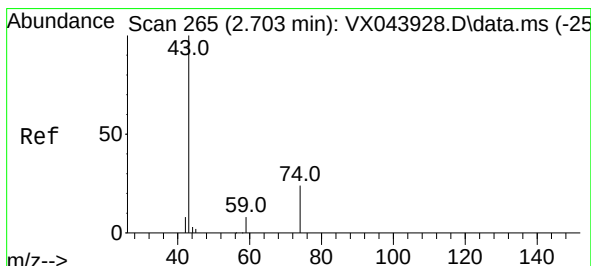
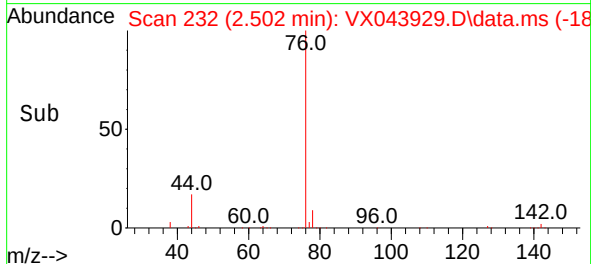
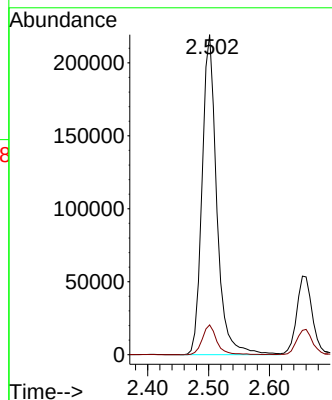
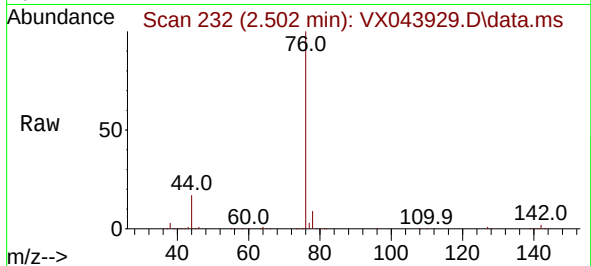




#17
Carbon Disulfide
Concen: 111.925 ug/l
RT: 2.502 min Scan# 241
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

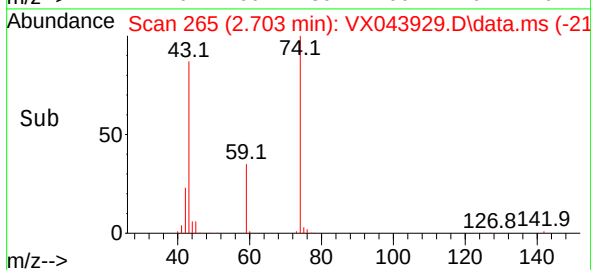
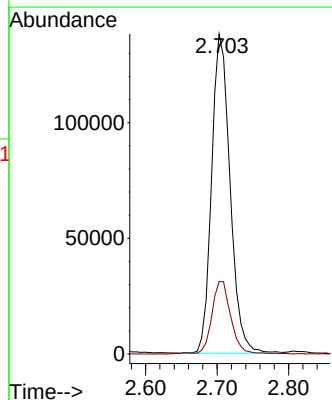
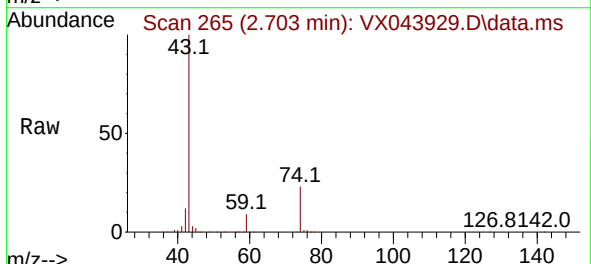
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

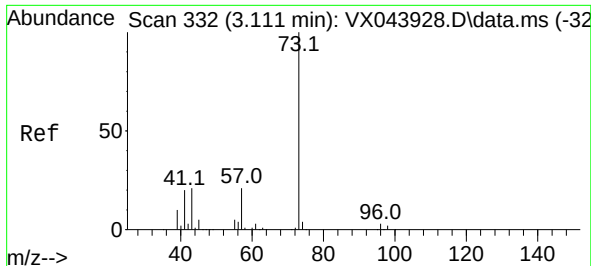
Tgt Ion: 76 Resp: 367958
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 97.433 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225
Ion Ratio Lower Upper
43 100
74 23.3 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 103.267 ug/l

RT: 3.117 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

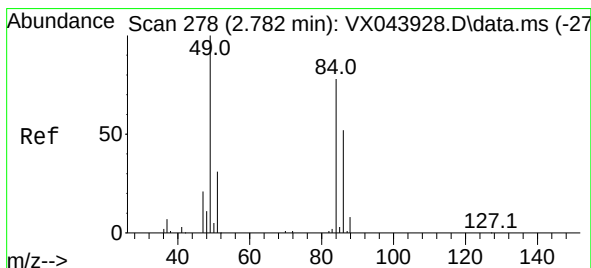
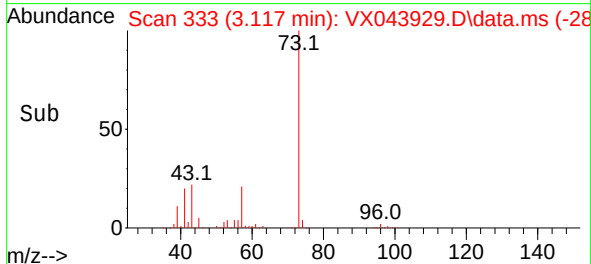
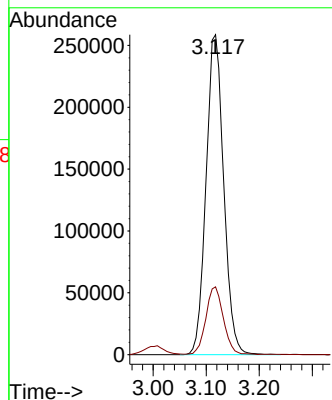
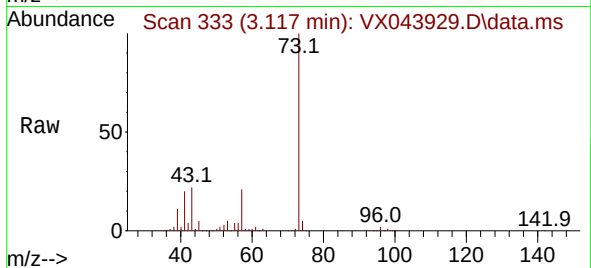
VSTDICC100

Tgt Ion: 73 Resp: 597600

Ion Ratio Lower Upper

73 100

57 21.1 17.0 25.6



#20

Methylene Chloride

Concen: 96.271 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

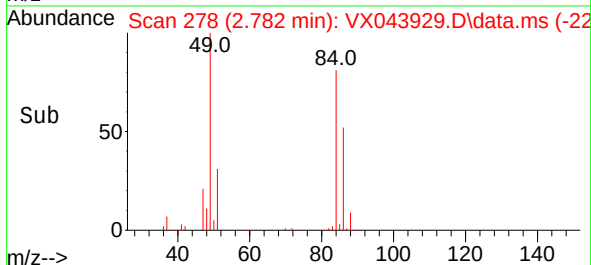
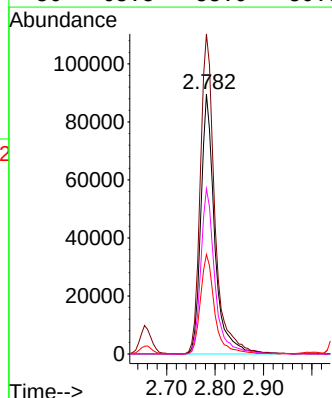
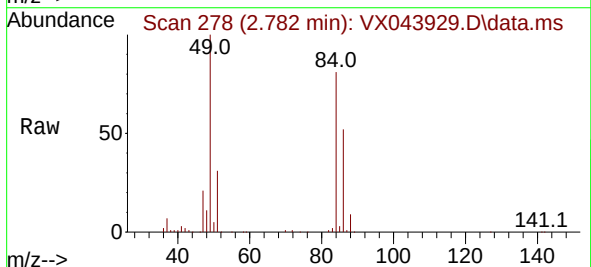
Ion Ratio Lower Upper

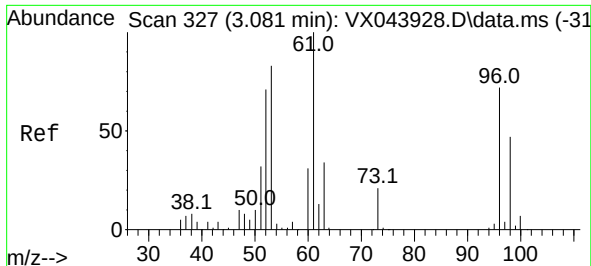
84 100

49 123.1 102.7 154.1

51 38.3 31.7 47.5

86 63.5 53.9 80.9

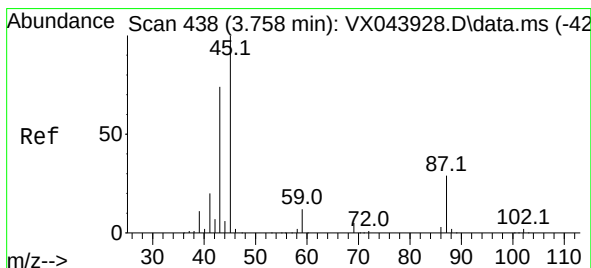
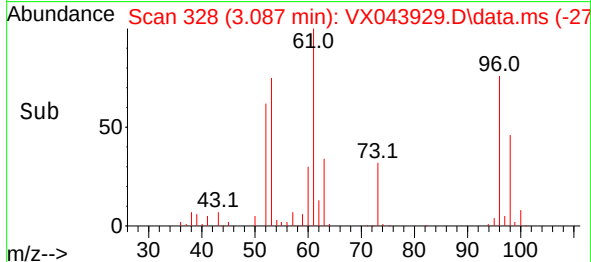
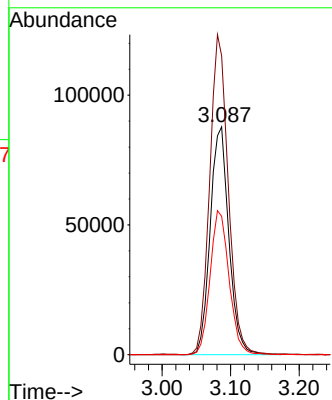
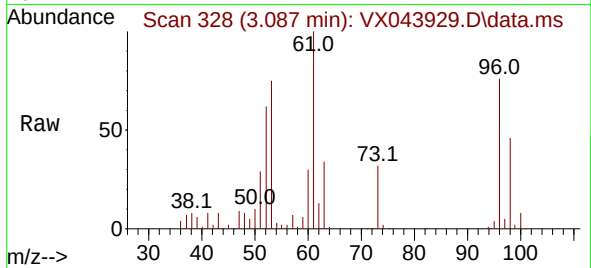




#21
trans-1,2-Dichloroethene
Concen: 100.875 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

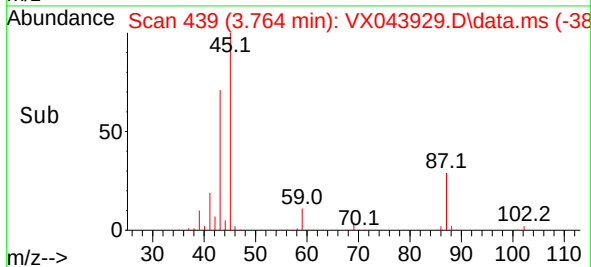
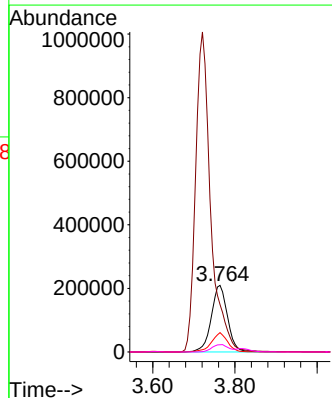
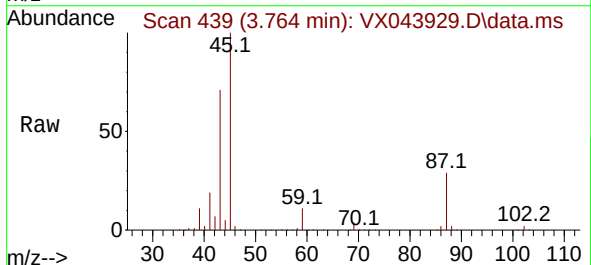
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

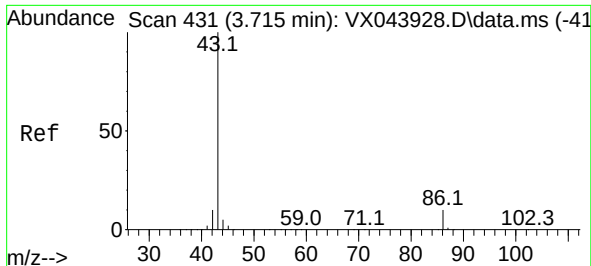
Tgt Ion: 96 Resp: 165989
Ion Ratio Lower Upper
96 100
61 131.1 111.8 167.6
98 60.7 52.7 79.1



#22
Diisopropyl ether
Concen: 102.872 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855
Ion Ratio Lower Upper
45 100
43 71.1 59.6 89.4
87 29.1 22.9 34.3
59 10.8 9.8 14.6

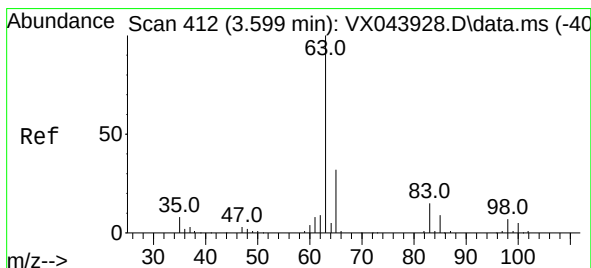
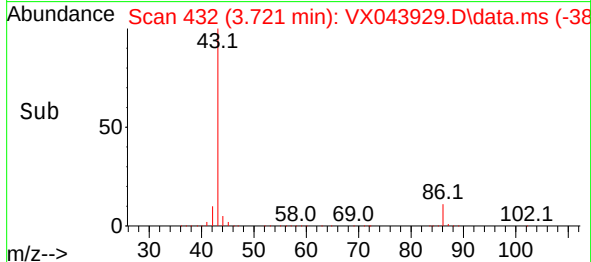
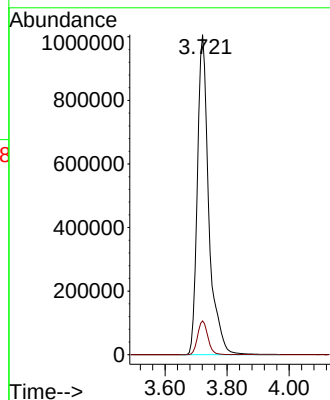
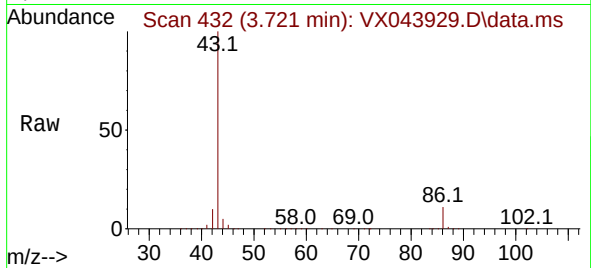




#23
 Vinyl Acetate
 Concen: 539.590 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

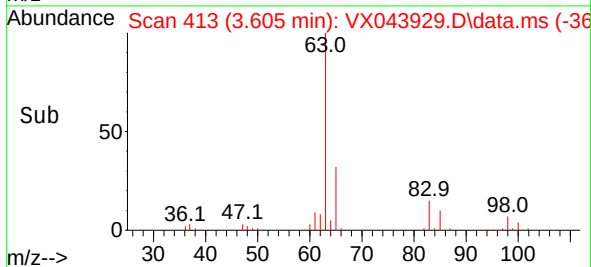
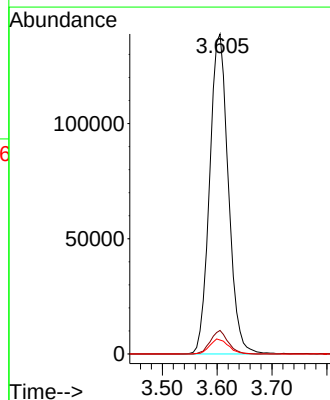
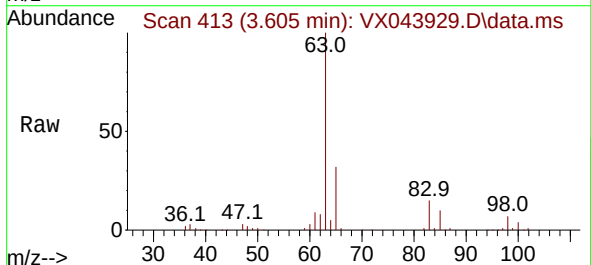
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

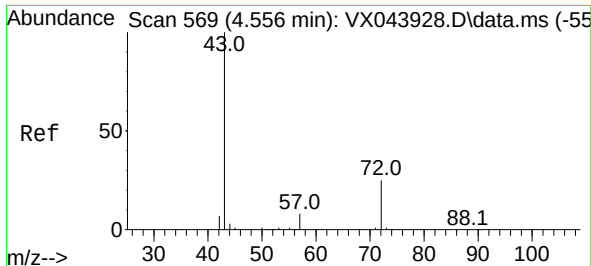
Tgt Ion: 43 Resp: 2570419
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 102.025 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.6
 100 4.3 2.4 7.1

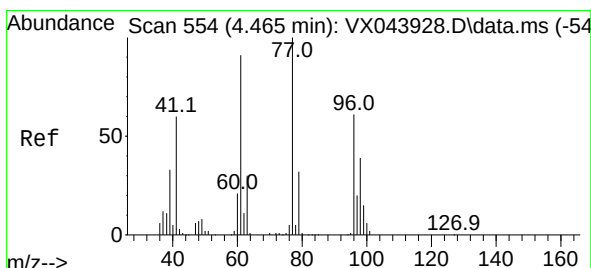
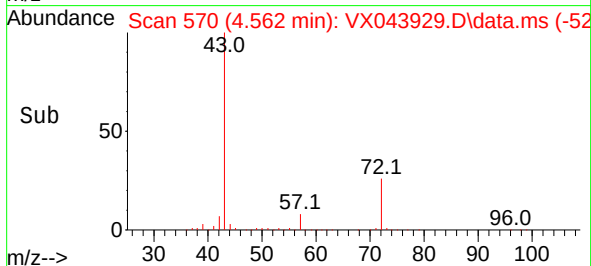
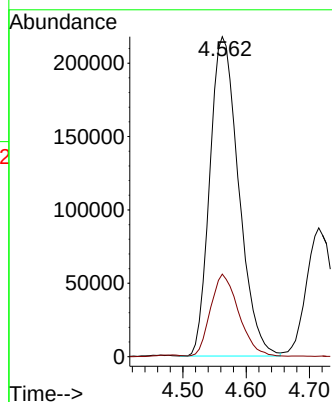
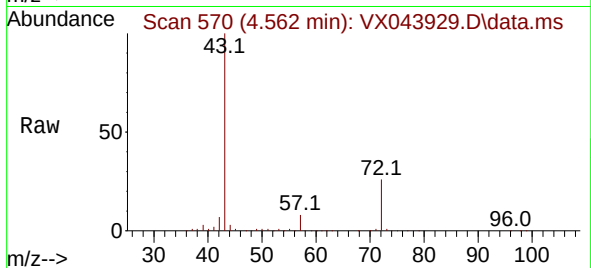




#25
2-Butanone
Concen: 491.491 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

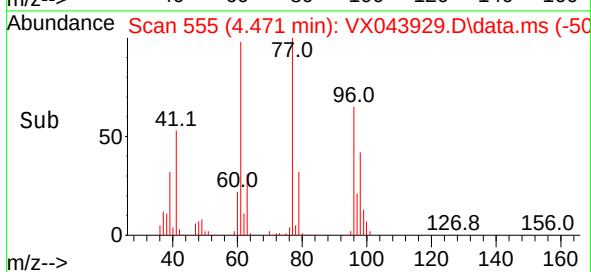
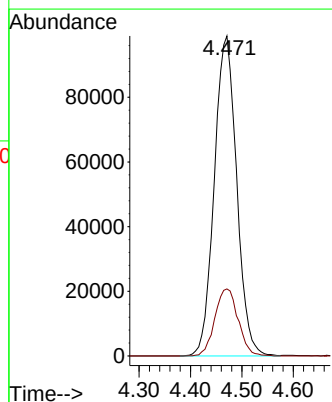
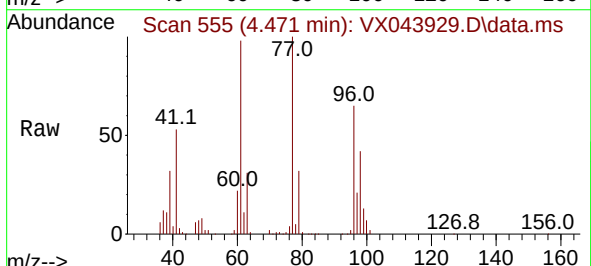
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

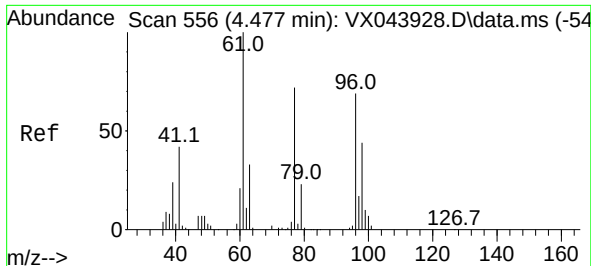
Tgt Ion: 43 Resp: 690992
Ion Ratio Lower Upper
43 100
72 25.6 20.2 30.2



#26
2,2-Dichloropropane
Concen: 103.146 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254
Ion Ratio Lower Upper
77 100
97 21.8 10.8 32.3

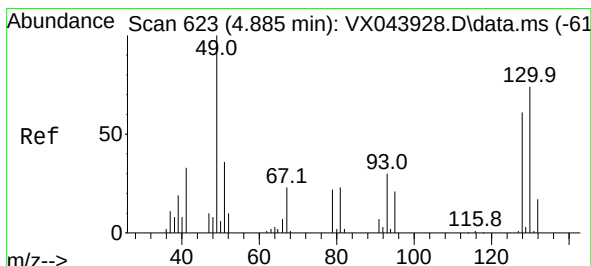
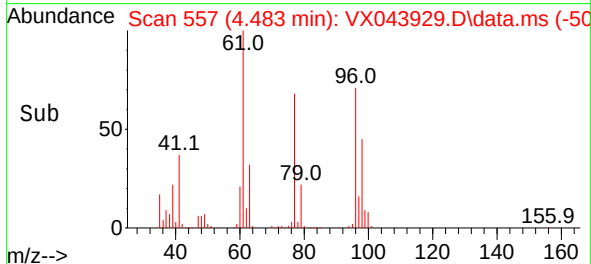
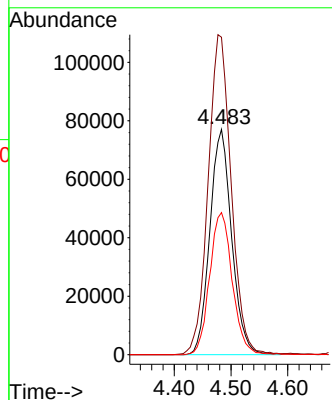
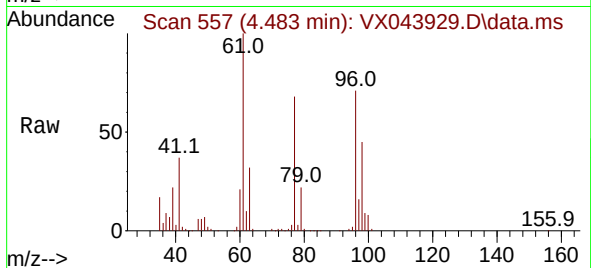




#27
cis-1,2-Dichloroethene
Concen: 101.381 ug/l
RT: 4.483 min Scan# 556
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

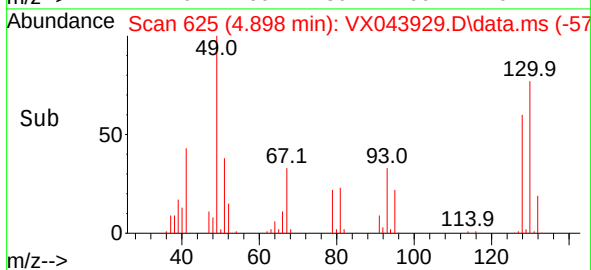
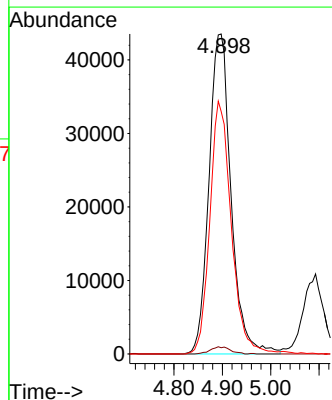
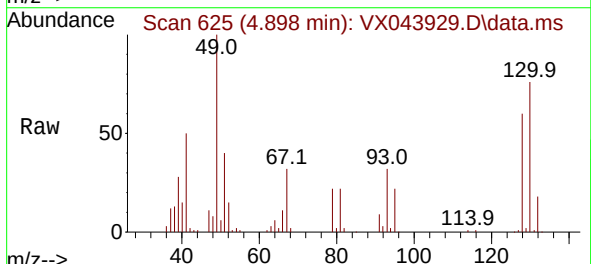
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

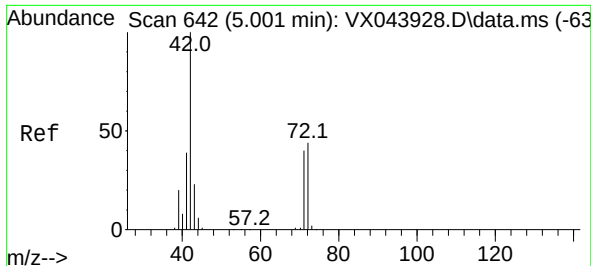
Tgt Ion: 96 Resp: 206207
Ion Ratio Lower Upper
96 100
61 150.0 0.0 297.4
98 65.1 0.0 127.8



#28
Bromochloromethane
Concen: 97.752 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 49 Resp: 138227
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 76.5 59.0 88.6





#29

Tetrahydrofuran

Concen: 486.991 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

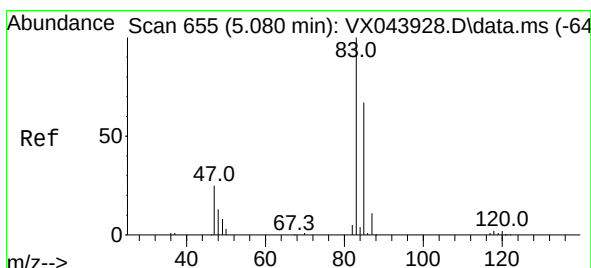
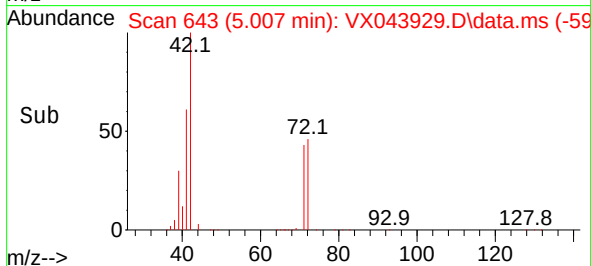
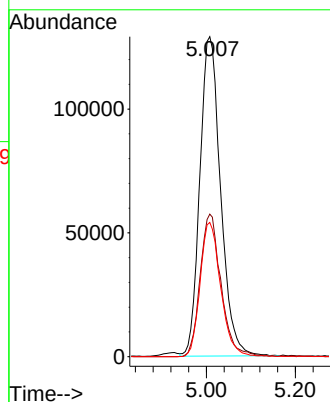
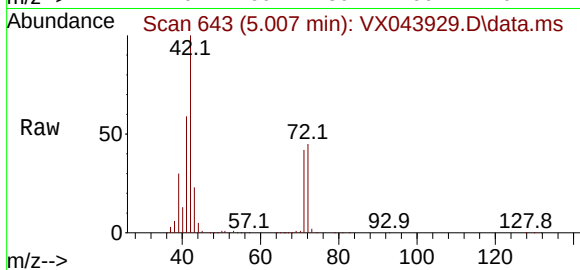
Tgt Ion: 42 Resp: 419743

Ion Ratio Lower Upper

42 100

72 44.9 36.4 54.6

71 41.6 33.4 50.0



#30

Chloroform

Concen: 101.565 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043929.D

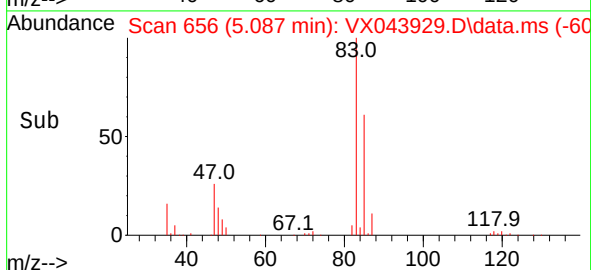
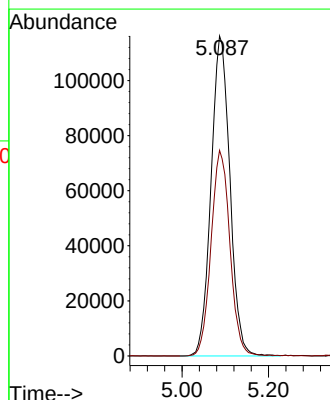
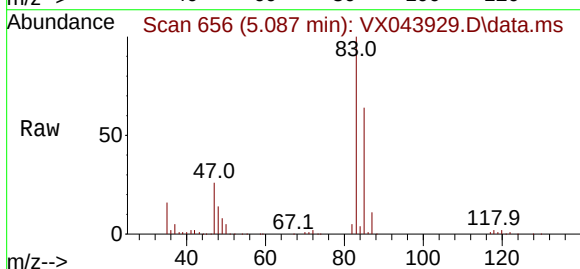
Acq: 21 Nov 2024 11:40

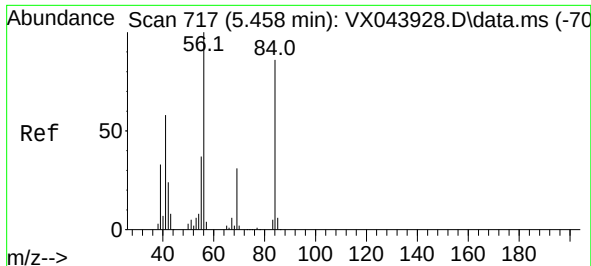
Tgt Ion: 83 Resp: 350923

Ion Ratio Lower Upper

83 100

85 64.3 53.5 80.3

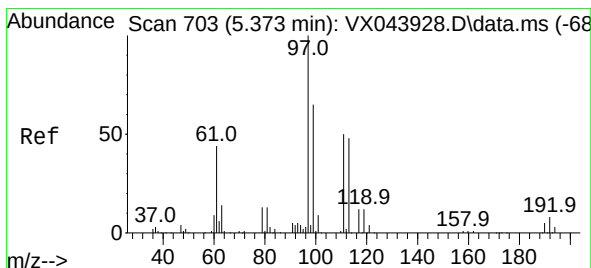
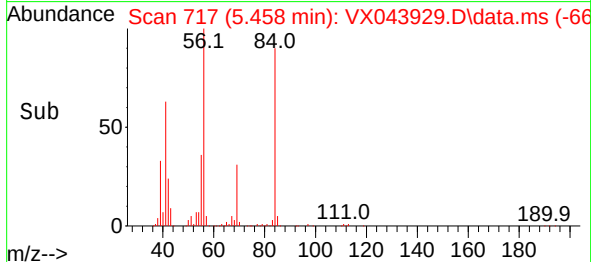
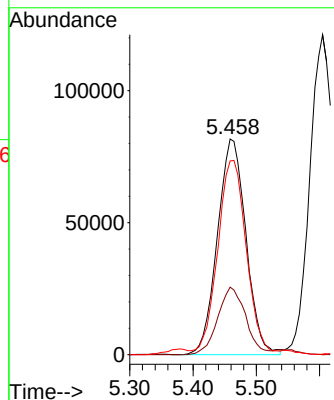
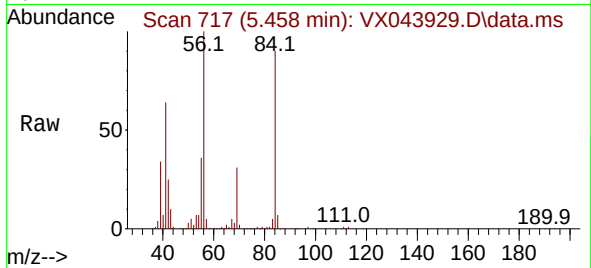




#31
Cyclohexane
Concen: 96.865 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

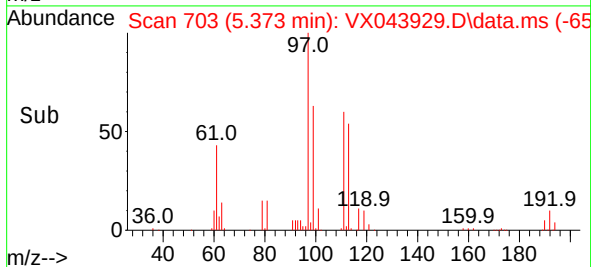
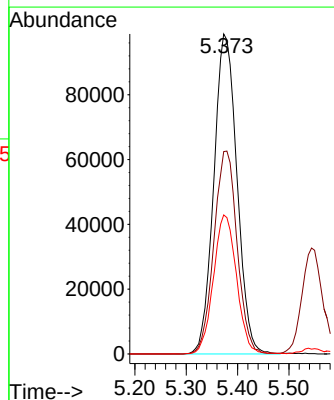
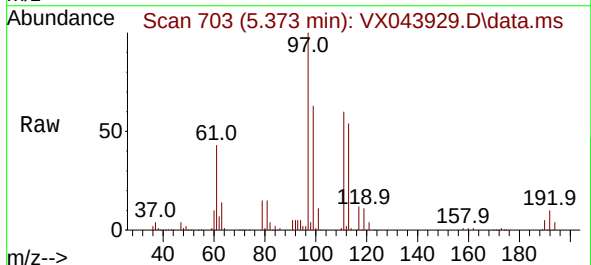
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

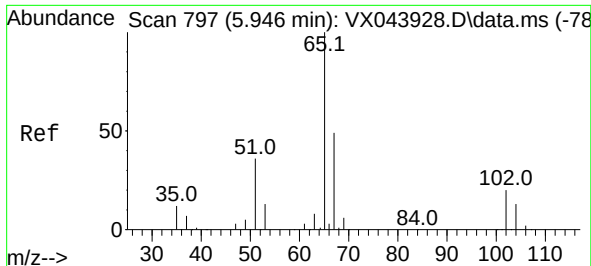
Tgt Ion: 56 Resp: 256114
Ion Ratio Lower Upper
56 100
69 31.3 24.7 37.1
84 88.2 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 103.862 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469
Ion Ratio Lower Upper
97 100
99 63.6 50.8 76.2
61 43.4 35.4 53.2

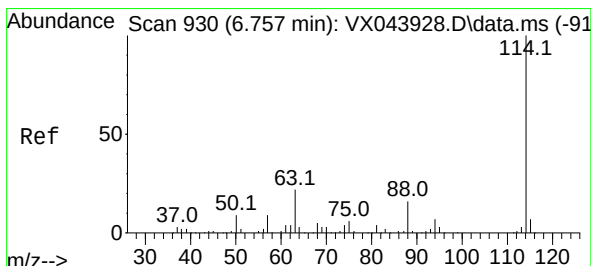
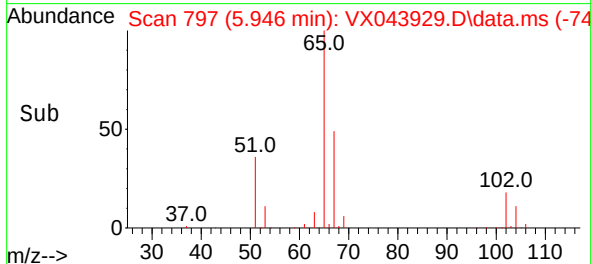
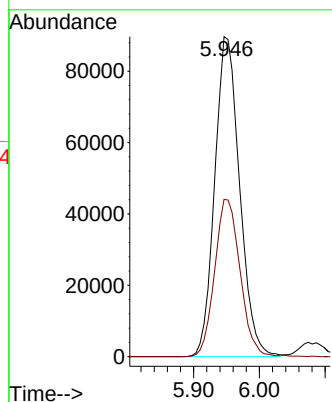
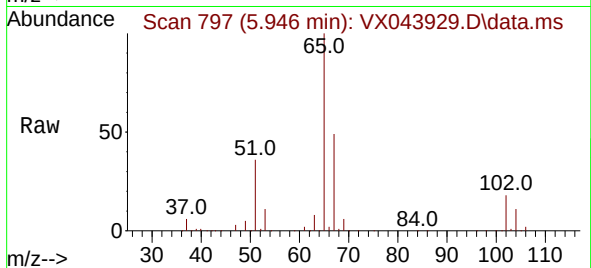




#33
1,2-Dichloroethane-d4
Concen: 99.704 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

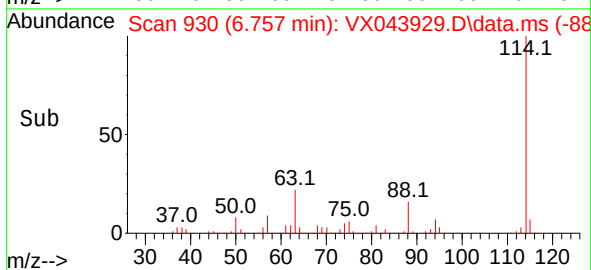
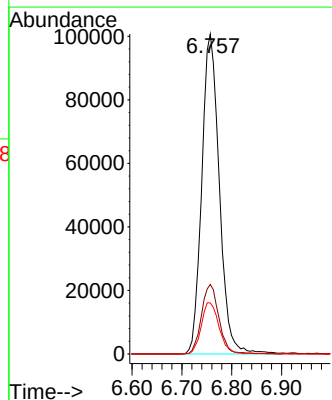
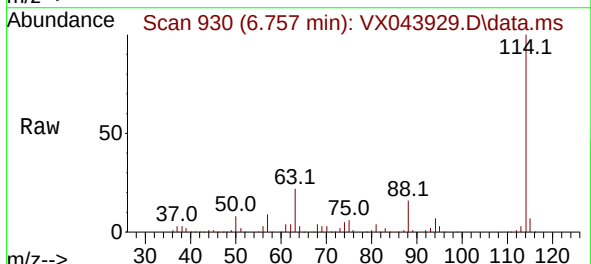
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

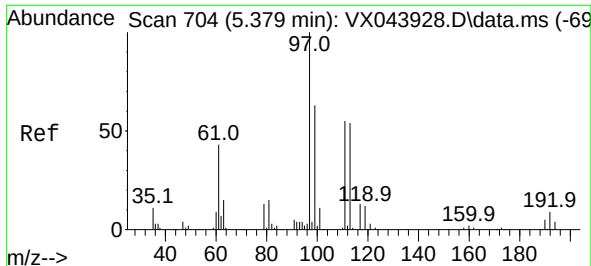
Tgt Ion: 65 Resp: 236531
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 100.449 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

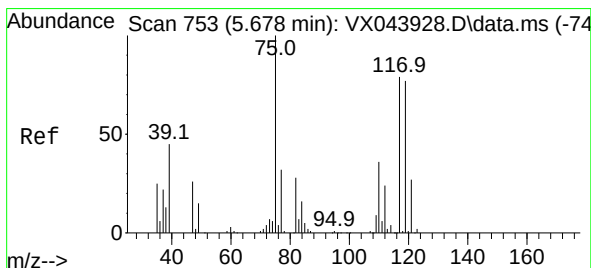
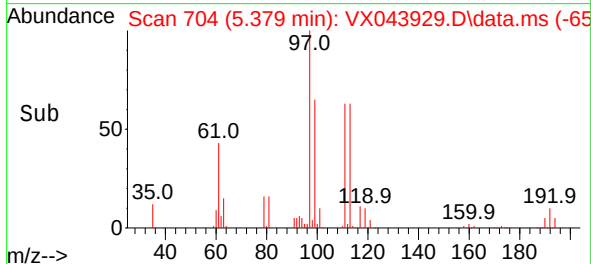
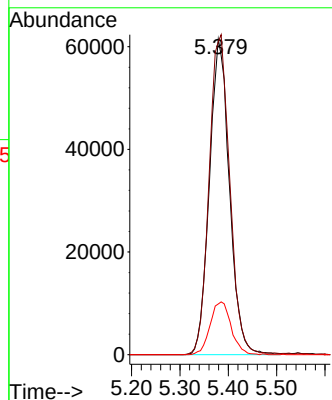
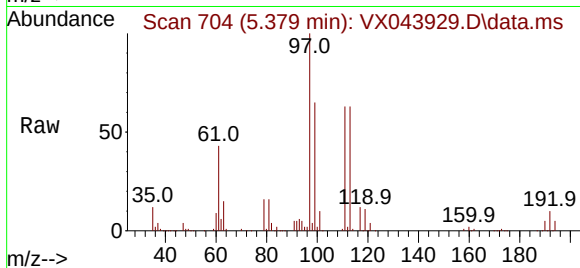
Tgt Ion:113 Resp: 176869

Ion Ratio Lower Upper

113 100

111 104.6 81.0 121.4

192 17.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 101.439 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

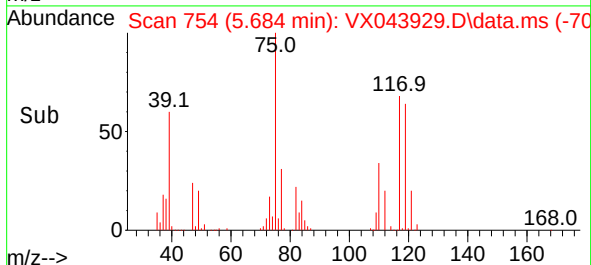
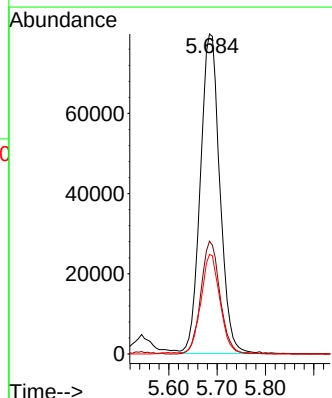
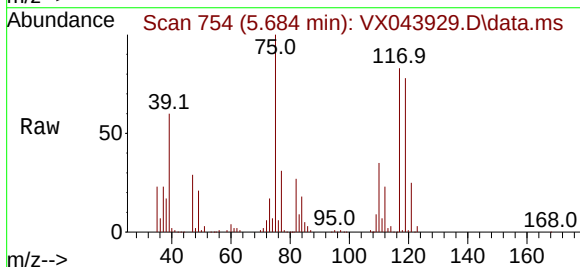
Tgt Ion: 75 Resp: 222573

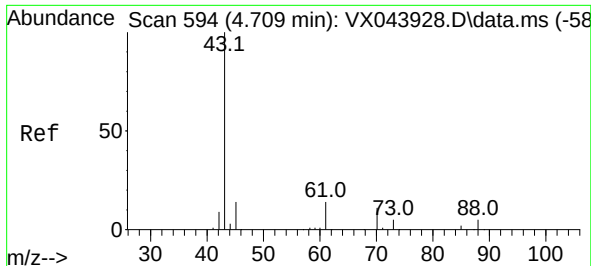
Ion Ratio Lower Upper

75 100

110 34.6 17.4 52.2

77 30.8 25.8 38.8





#37

Ethyl Acetate

Concen: 97.527 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

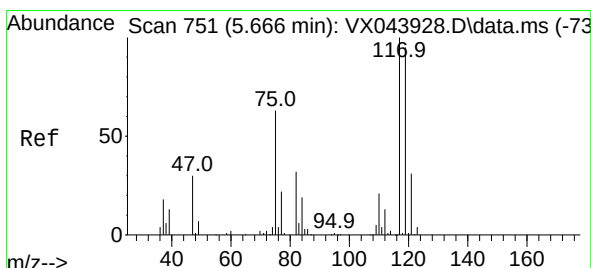
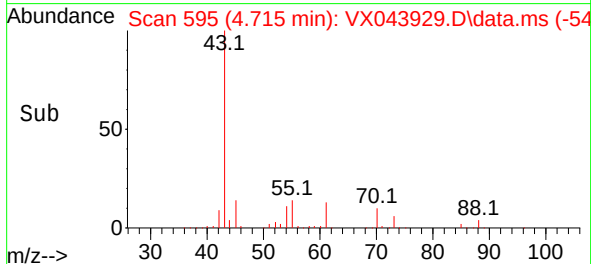
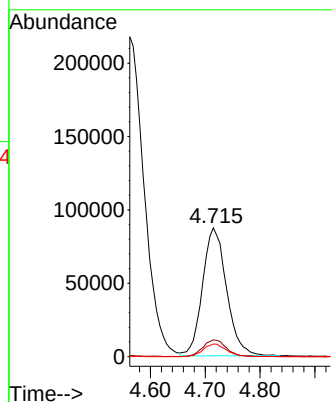
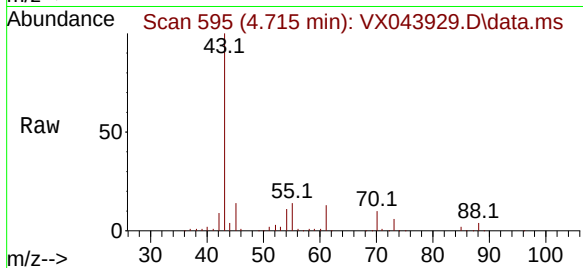
Tgt Ion: 43 Resp: 265631

Ion Ratio Lower Upper

43 100

61 13.2 10.7 16.1

70 9.6 8.0 12.0



#38

Carbon Tetrachloride

Concen: 103.953 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

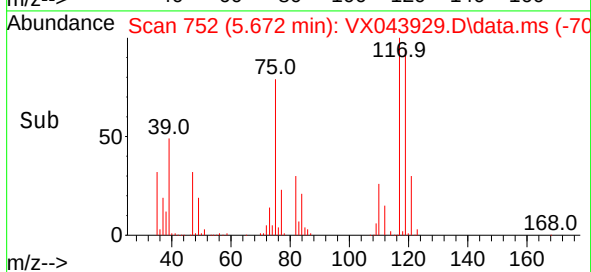
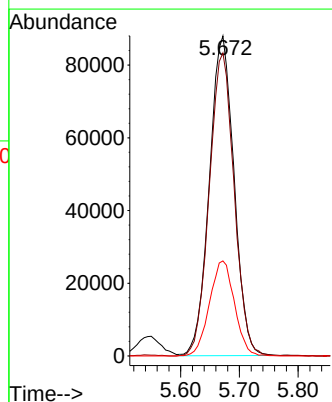
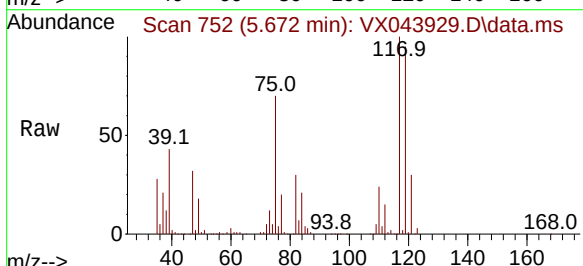
Tgt Ion: 117 Resp: 256290

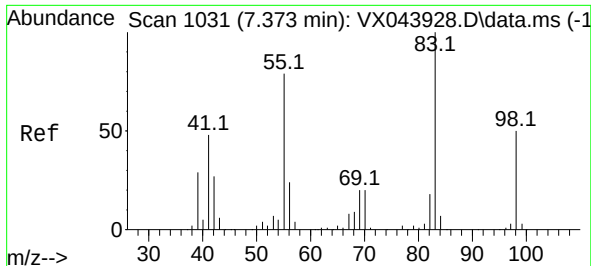
Ion Ratio Lower Upper

117 100

119 94.7 75.2 112.8

121 29.8 24.5 36.7

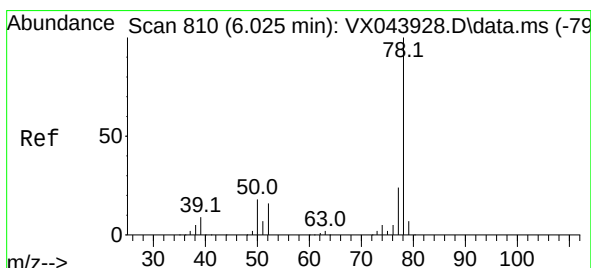
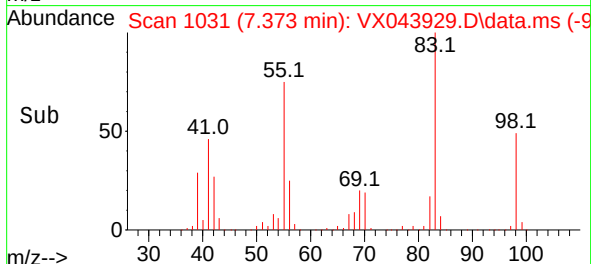
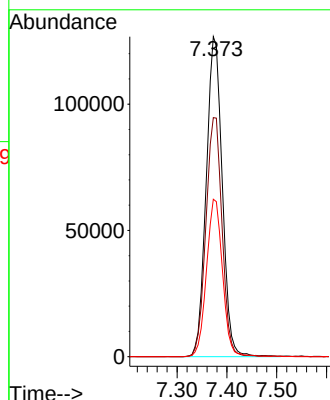
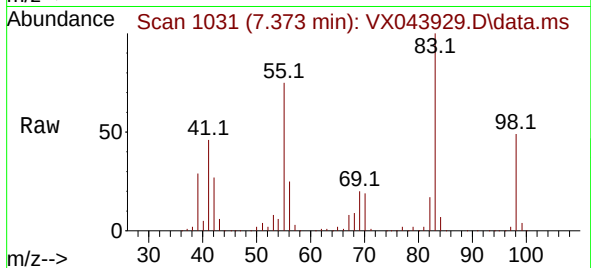




#39
Methylcyclohexane
Concen: 99.308 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

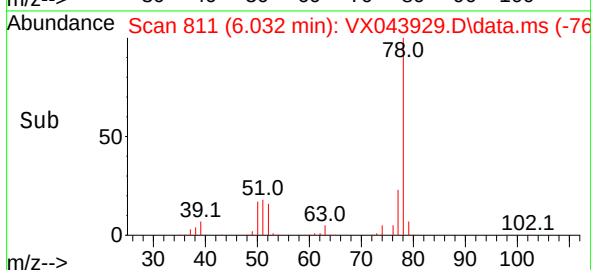
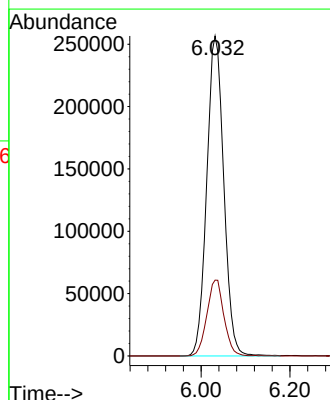
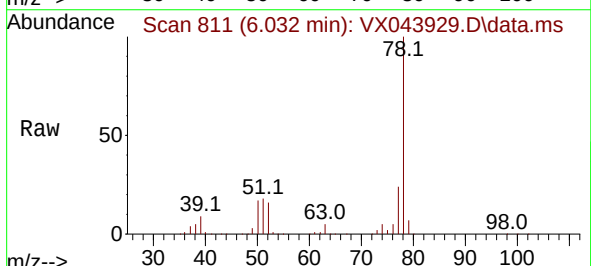
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

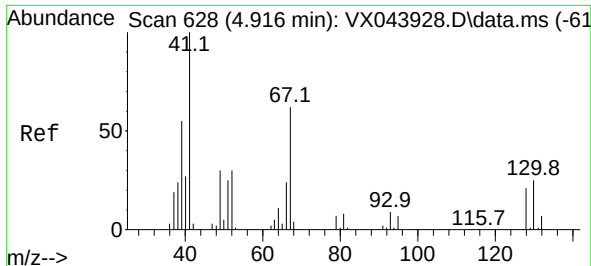
Tgt Ion: 83 Resp: 283075
Ion Ratio Lower Upper
83 100
55 74.7 63.1 94.7
98 49.2 40.0 60.0



#40
Benzene
Concen: 100.099 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8



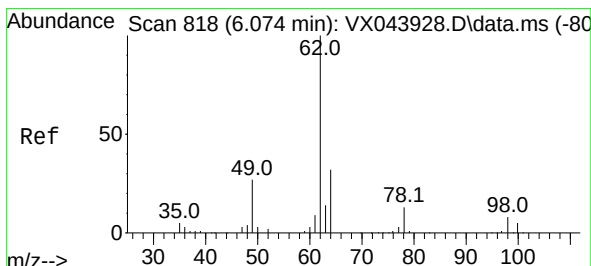
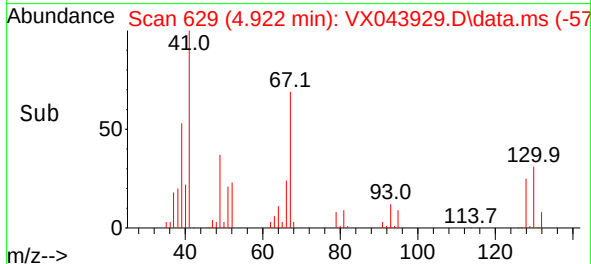
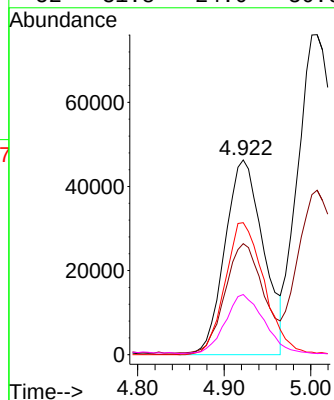
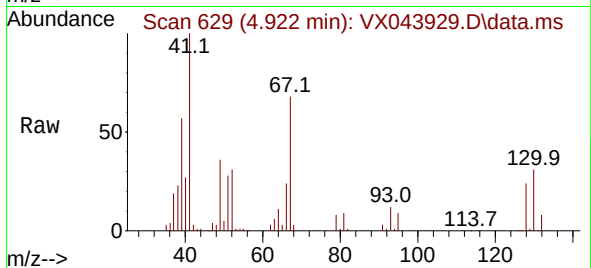


#41
Methacrylonitrile
Concen: 102.765 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 143256

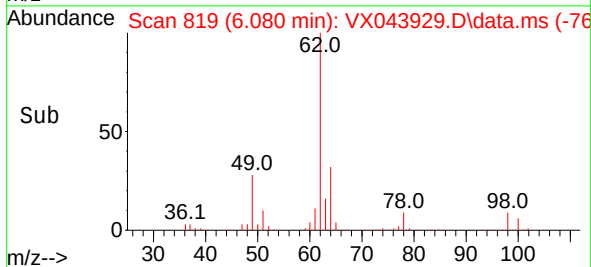
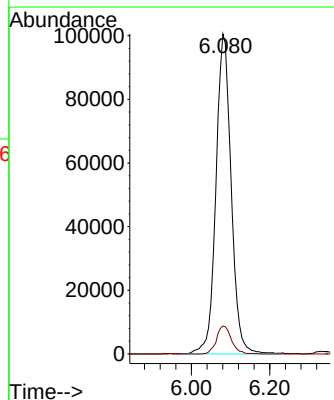
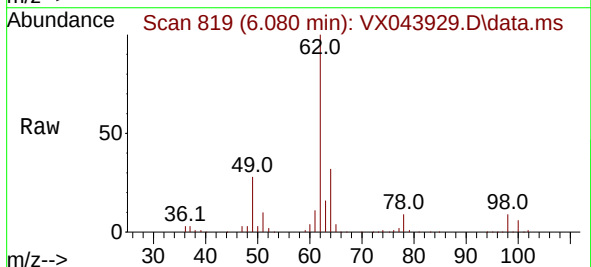
Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.7	62.5
67	69.3	55.8	83.8
52	31.8	24.0	36.0

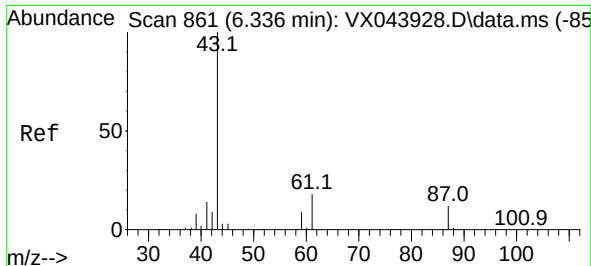


#42
1,2-Dichloroethane
Concen: 98.961 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4

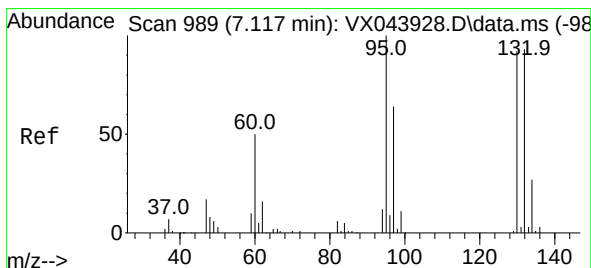
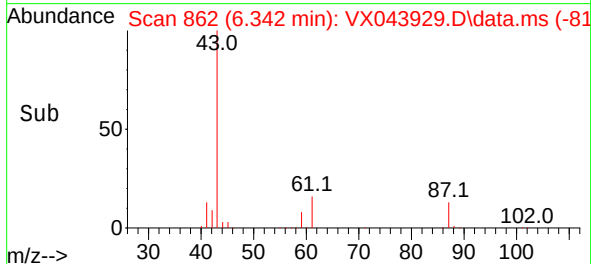
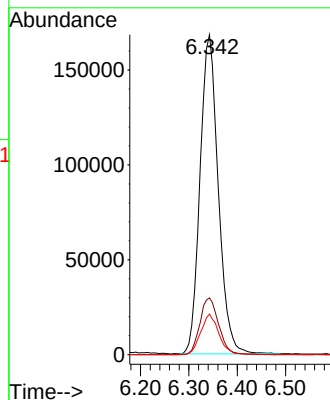
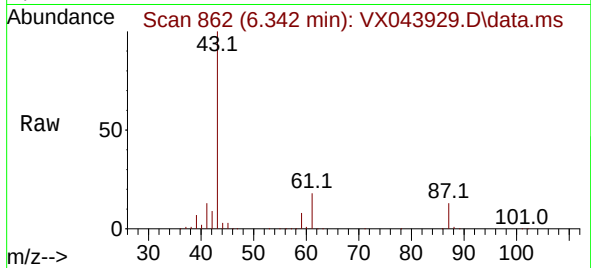




#43
Isopropyl Acetate
Concen: 101.652 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

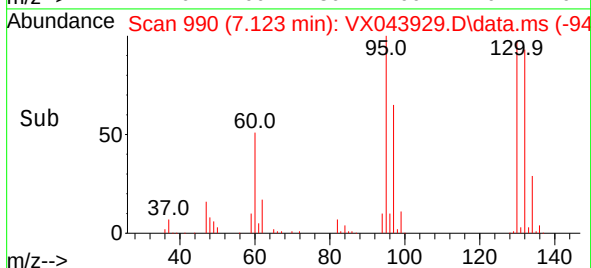
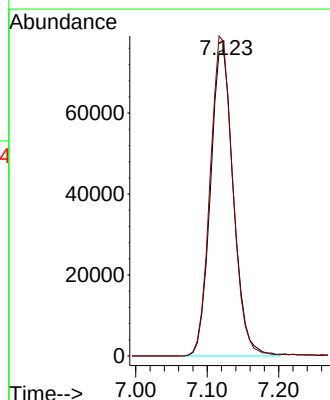
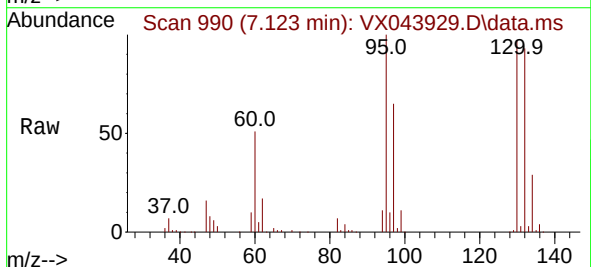
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

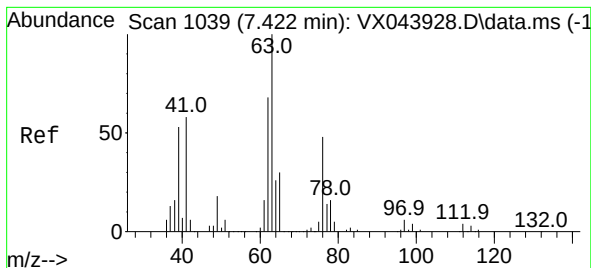
Tgt Ion: 43 Resp: 440615
Ion Ratio Lower Upper
43 100
61 18.3 14.5 21.7
87 12.7 10.2 15.2



#44
Trichloroethene
Concen: 87.759 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796
Ion Ratio Lower Upper
130 100
95 102.7 0.0 217.8





#45

1,2-Dichloropropane

Concen: 101.998 ug/l

RT: 7.428 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

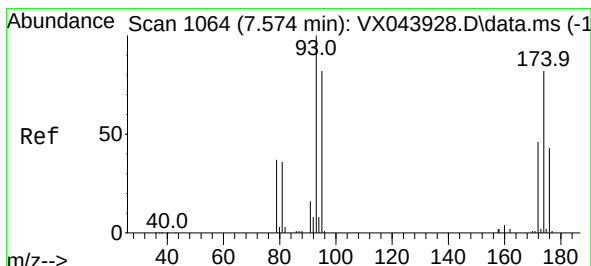
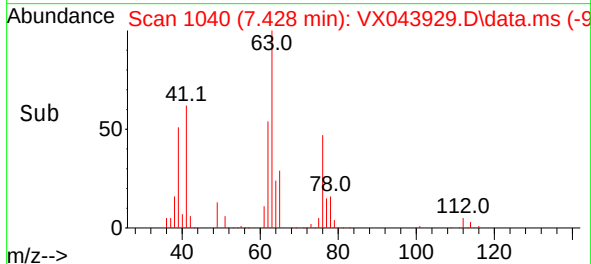
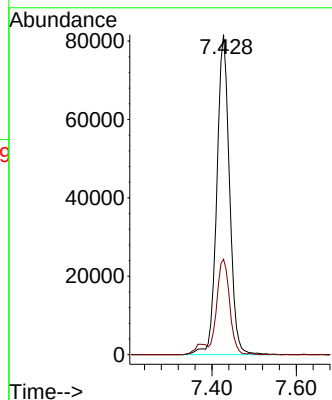
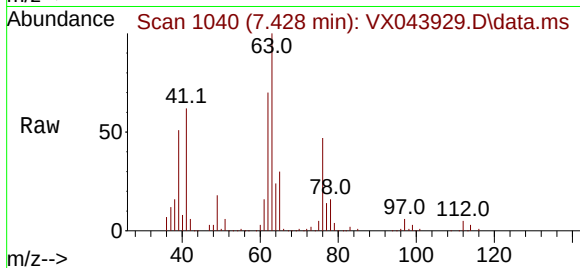
VSTDICC100

Tgt Ion: 63 Resp: 170741

Ion Ratio Lower Upper

63 100

65 29.9 23.8 35.6



#46

Dibromomethane

Concen: 102.651 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

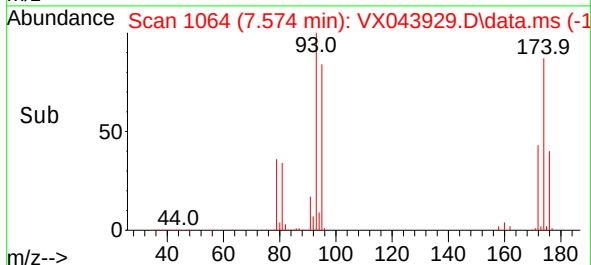
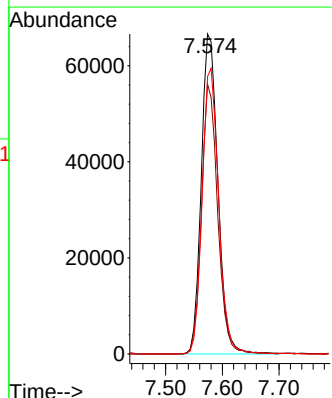
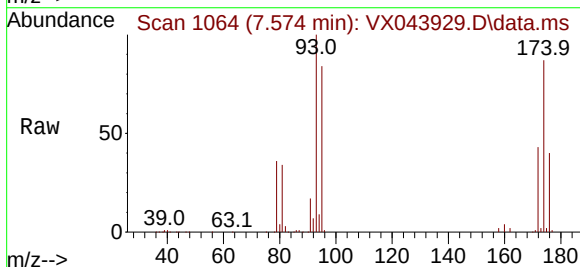
Tgt Ion: 93 Resp: 135928

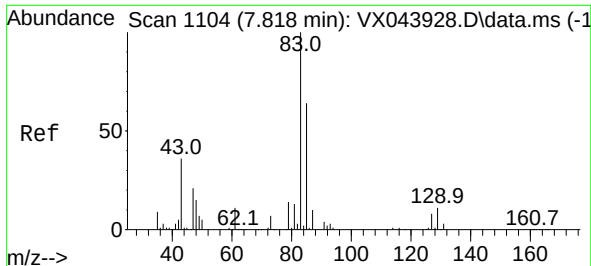
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.4

174 88.2 69.6 104.4

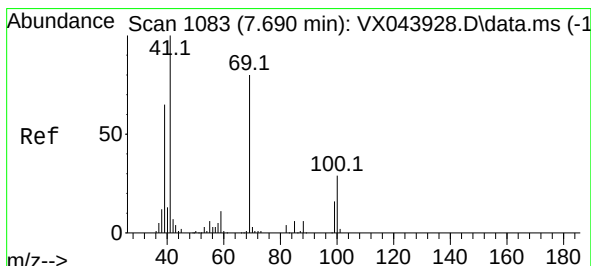
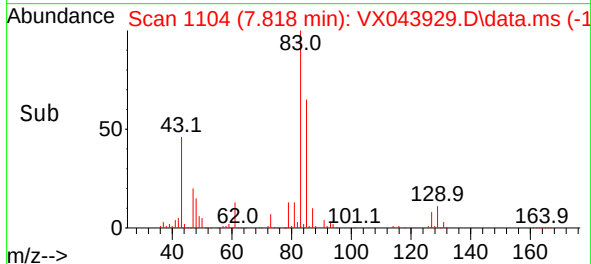
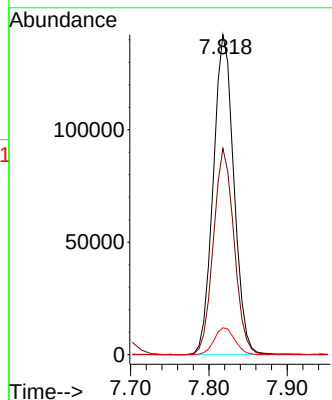
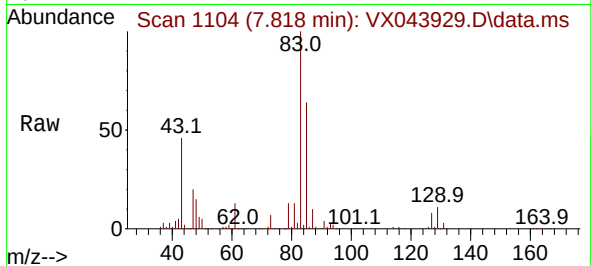




#47
Bromodichloromethane
Concen: 109.665 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

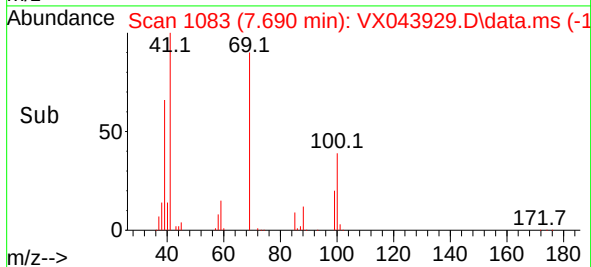
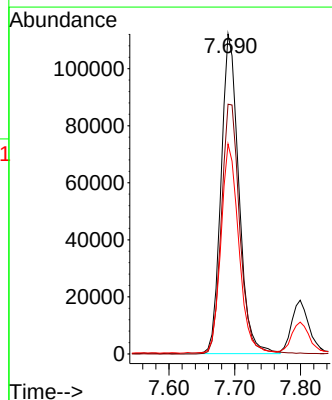
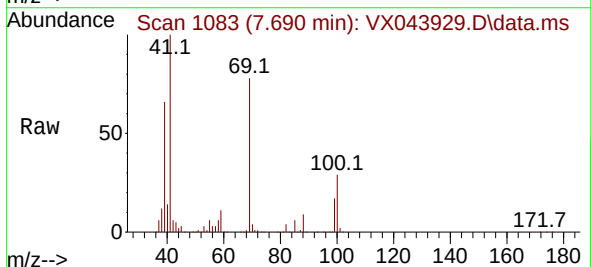
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

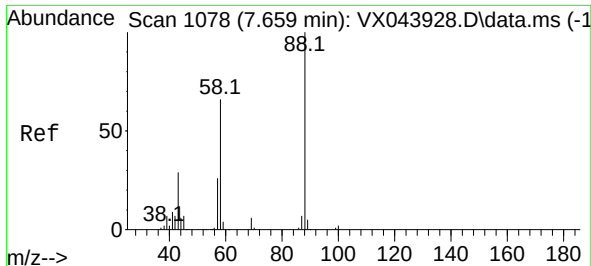
Tgt Ion: 83 Resp: 260442
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.0
127 8.4 6.6 10.0



#48
Methyl methacrylate
Concen: 101.262 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614
Ion Ratio Lower Upper
41 100
69 81.2 64.6 97.0
39 65.6 53.3 79.9

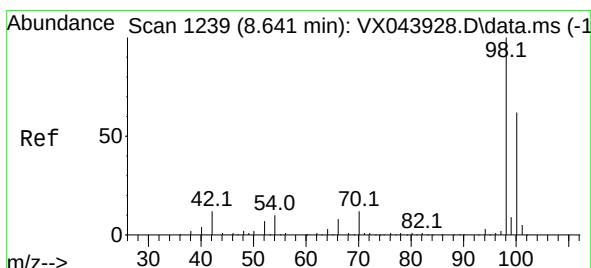
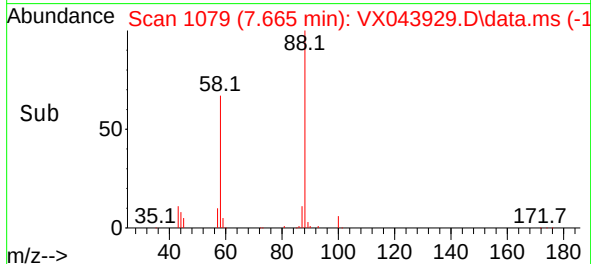
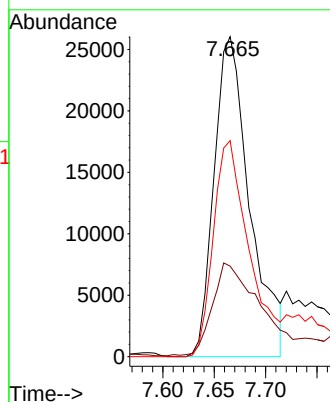
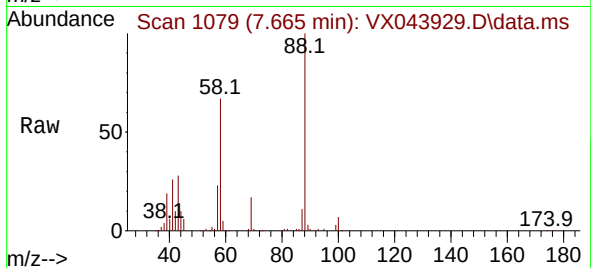




#49
1,4-Dioxane
Concen: 1752.518 ug/l
RT: 7.665 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

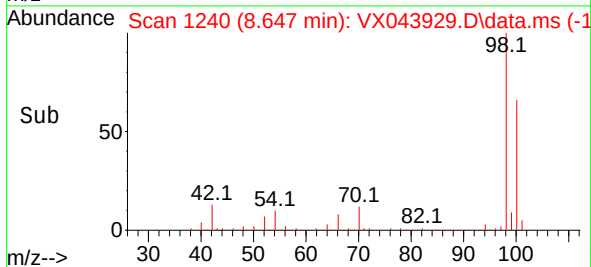
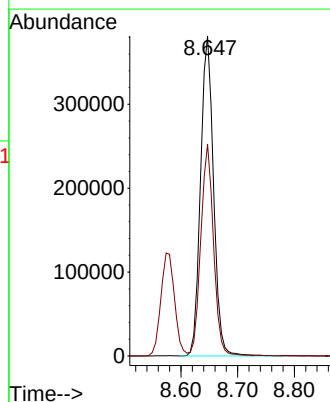
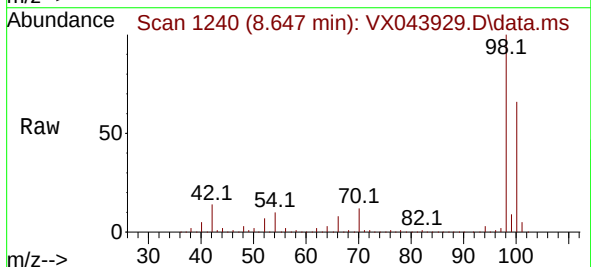
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

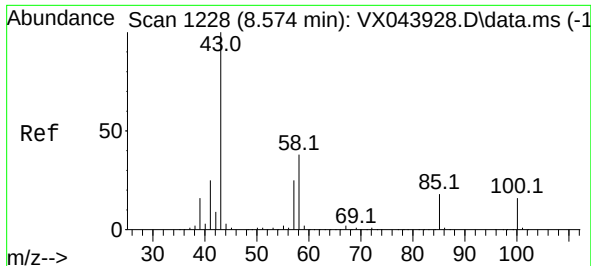
Tgt Ion:	88	Resp:	62845
Ion	Ratio	Lower	Upper
88	100		
43	38.8	26.8	40.2
58	67.9	45.4	68.2



#50
Toluene-d8
Concen: 100.062 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:	98	Resp:	607337
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0

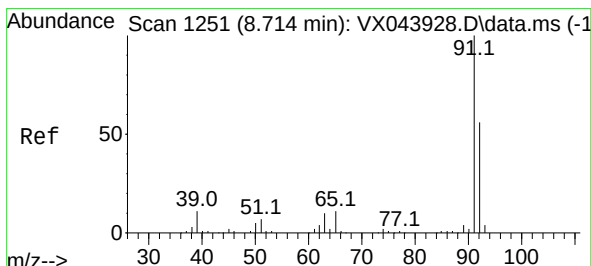
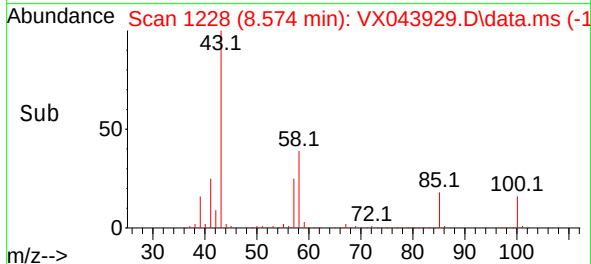
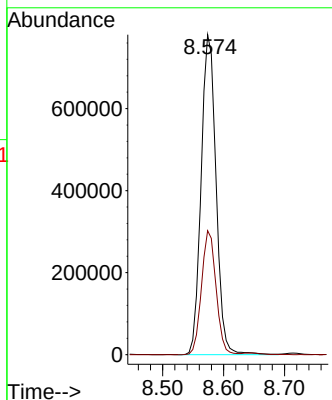
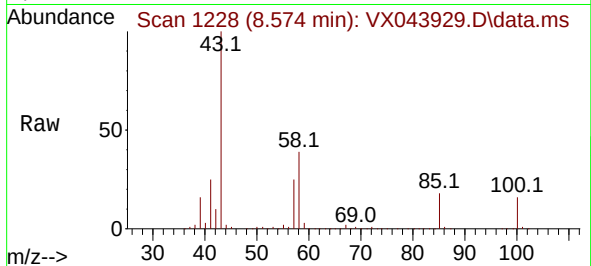




#51
4-Methyl-2-Pentanone
Concen: 502.451 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

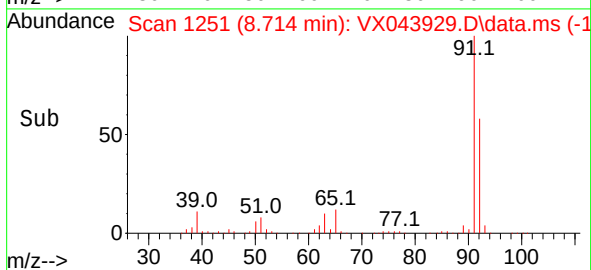
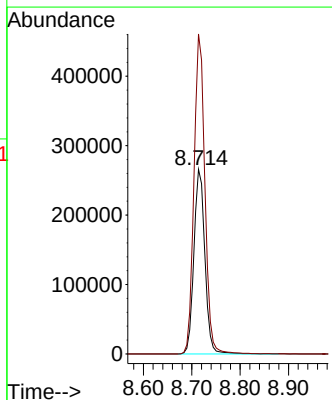
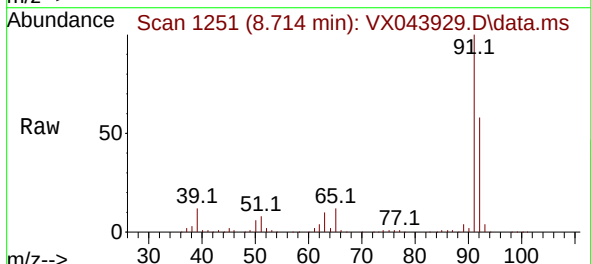
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

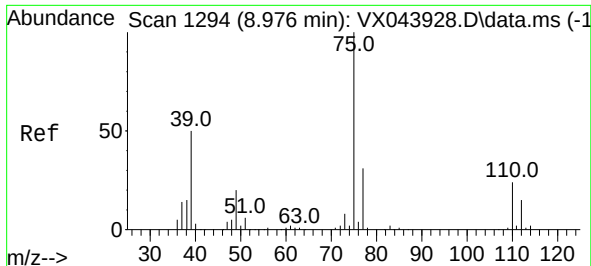
Tgt Ion: 43 Resp: 1329064
Ion Ratio Lower Upper
43 100
58 37.7 30.0 45.0



#52
Toluene
Concen: 102.426 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 92 Resp: 418999
Ion Ratio Lower Upper
92 100
91 172.3 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 111.660 ug/l

RT: 8.976 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

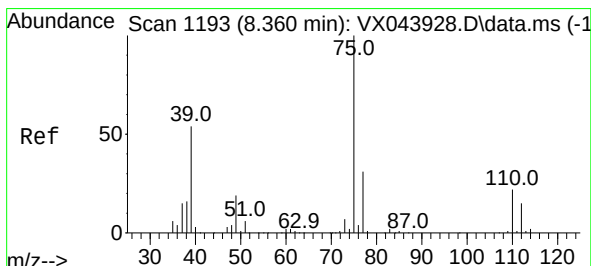
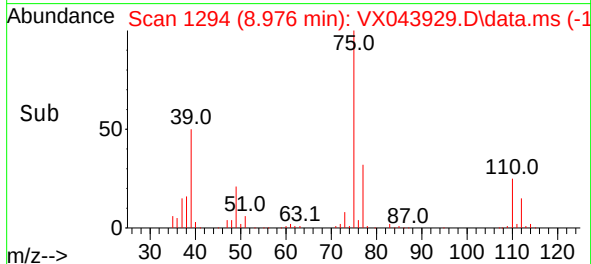
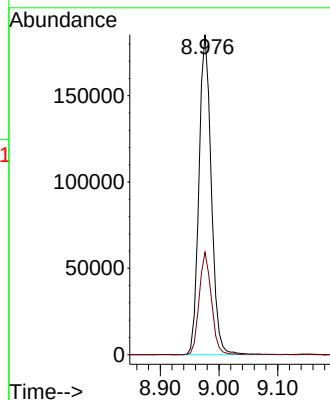
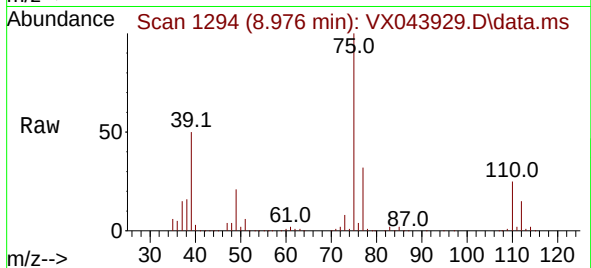
VSTDICC100

Tgt Ion: 75 Resp: 270418

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 107.584 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

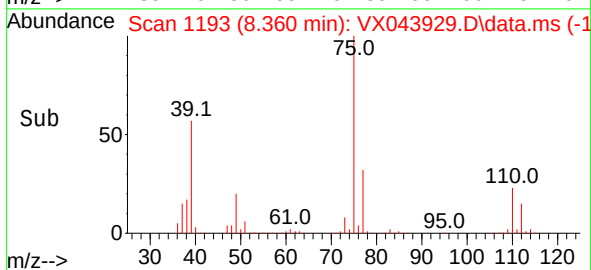
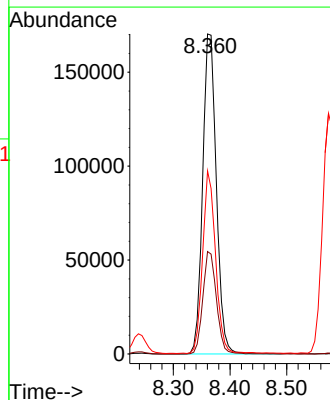
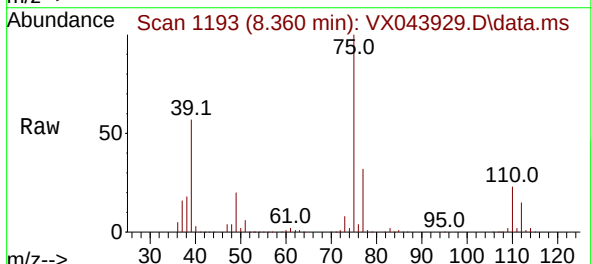
Tgt Ion: 75 Resp: 285627

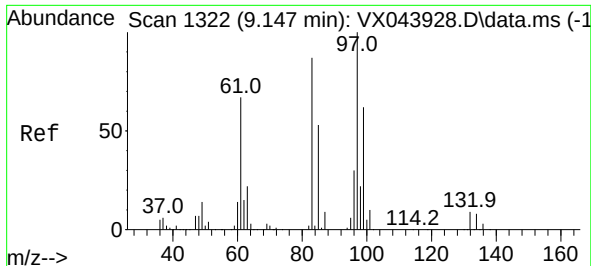
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 57.0 43.1 64.7



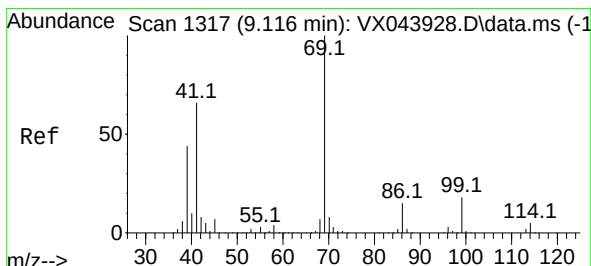
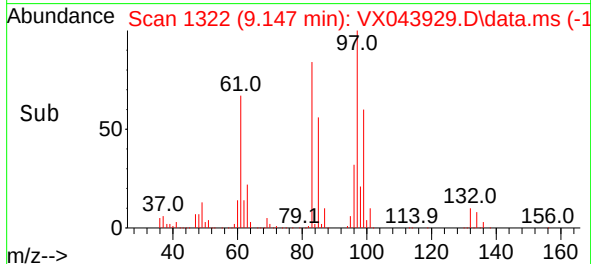
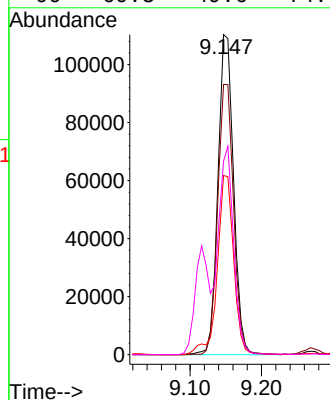
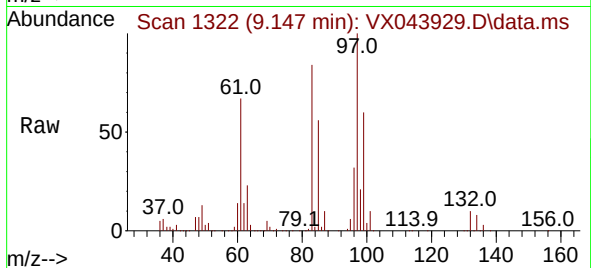


#55
1,1,2-Trichloroethane
Concen: 99.107 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 97 Resp: 167357

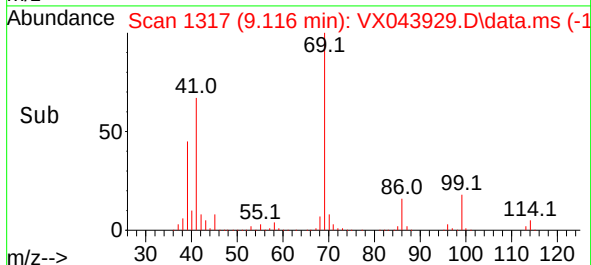
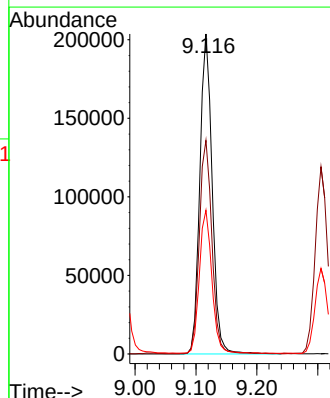
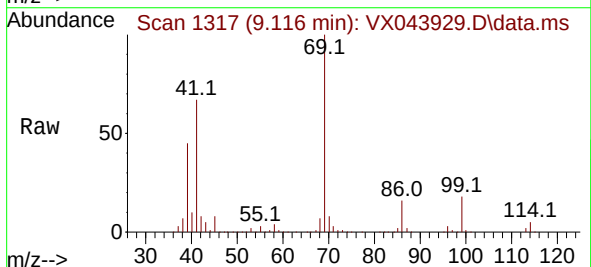
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.4	104.0
85	56.0	42.3	63.5
99	60.3	49.6	74.4

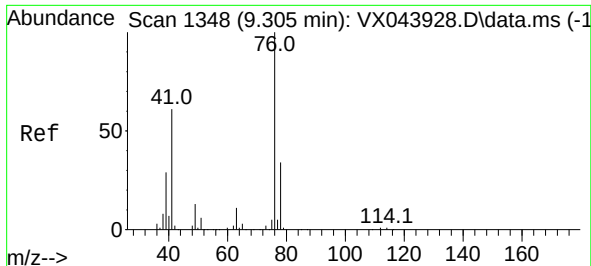


#56
Ethyl methacrylate
Concen: 109.076 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.8	83.8
39	45.3	36.7	55.1

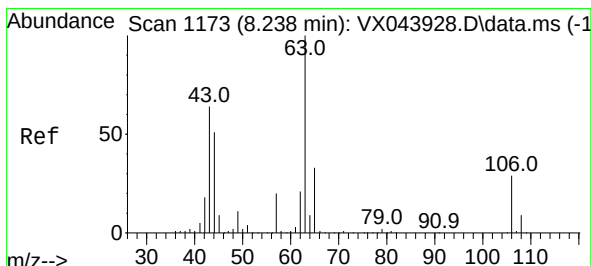
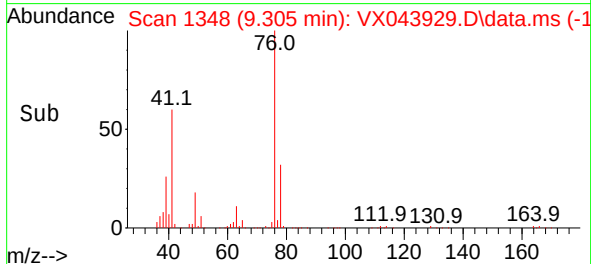
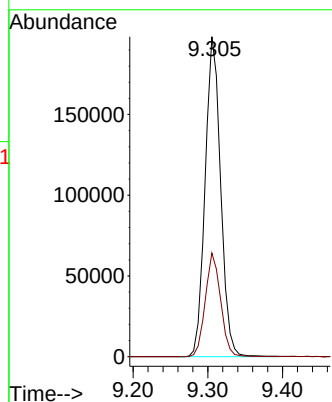
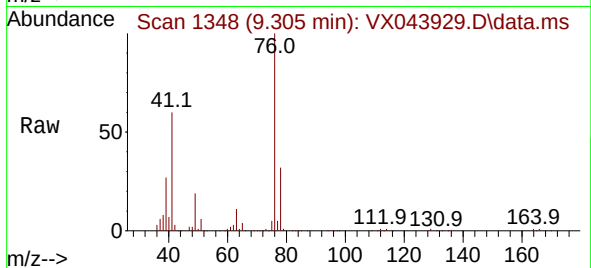




#57
1,3-Dichloropropane
Concen: 100.370 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

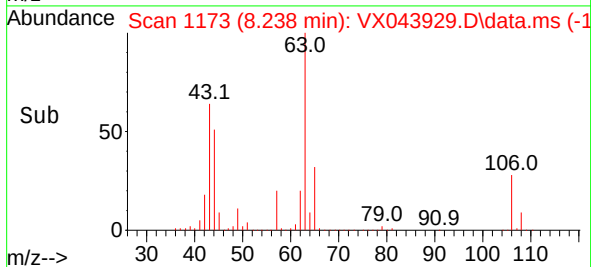
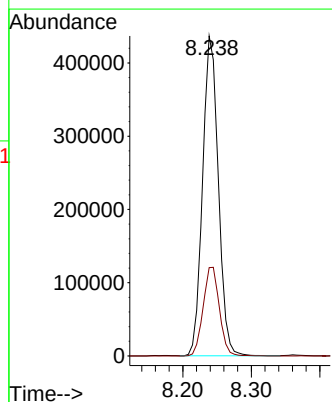
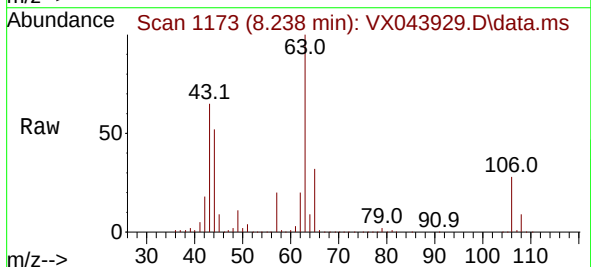
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

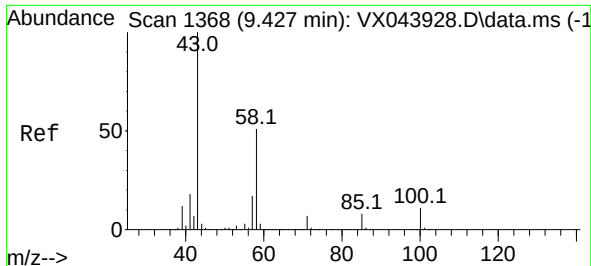
Tgt Ion: 76 Resp: 285511
Ion Ratio Lower Upper
76 100
78 32.1 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 489.972 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756
Ion Ratio Lower Upper
63 100
106 28.6 23.0 34.6

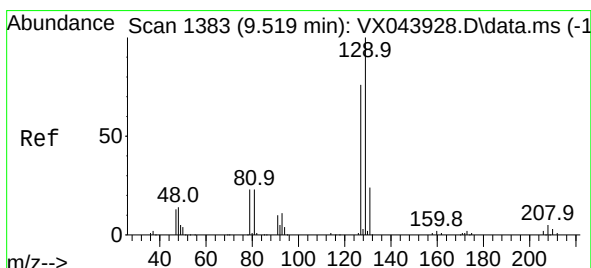
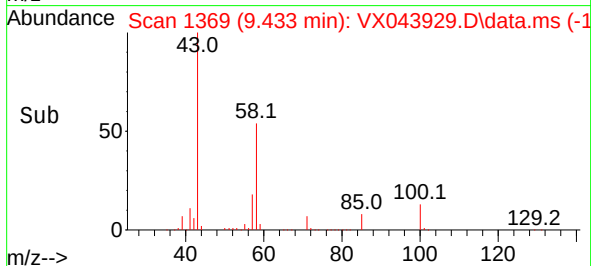
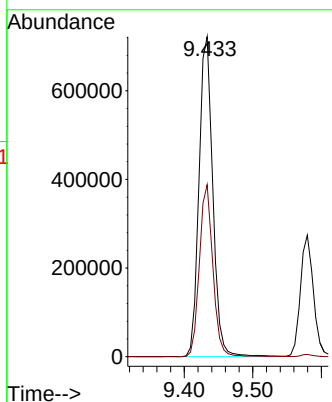
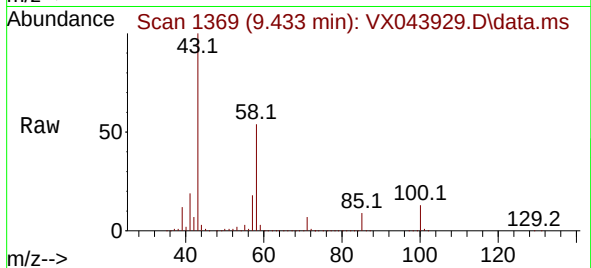




#59
2-Hexanone
Concen: 508.639 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

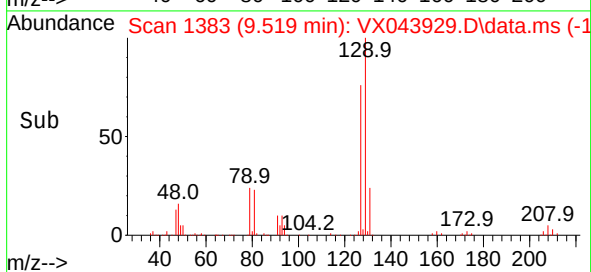
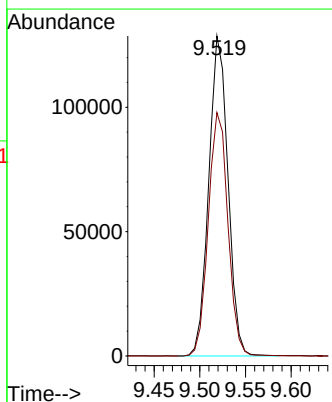
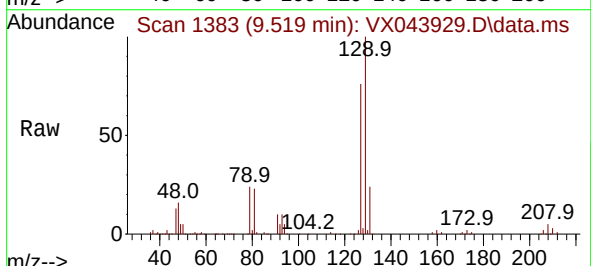
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

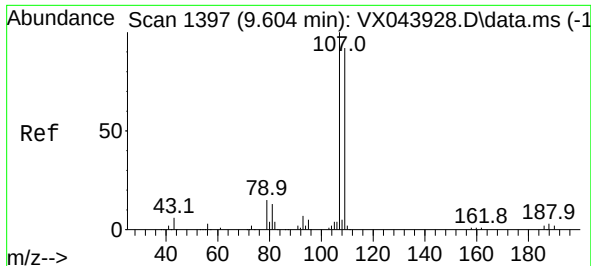
Tgt Ion: 43 Resp: 1011261
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.6



#60
Dibromochloromethane
Concen: 110.653 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 129 Resp: 187476
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 103.278 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

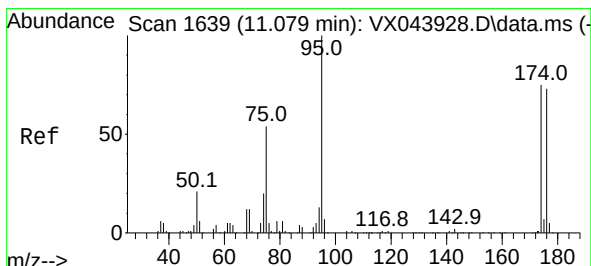
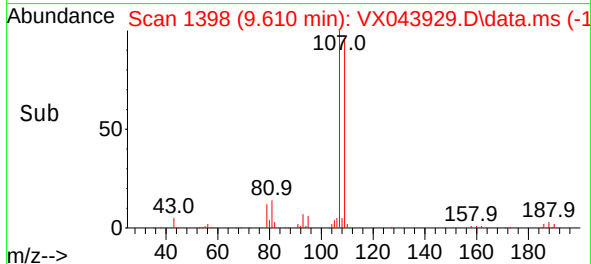
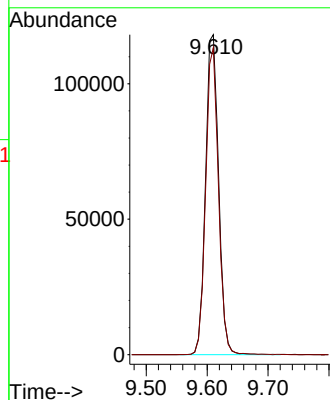
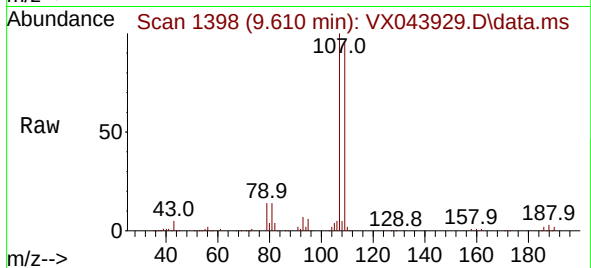
VSTDIC100

Tgt Ion:107 Resp: 176345

Ion Ratio Lower Upper

107 100

109 93.9 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 104.545 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

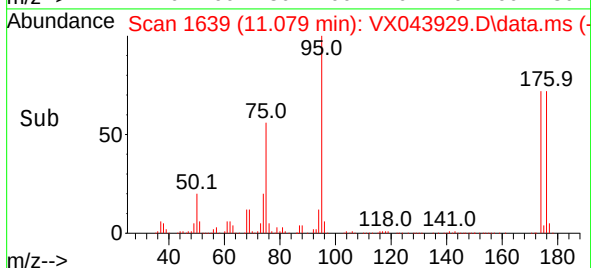
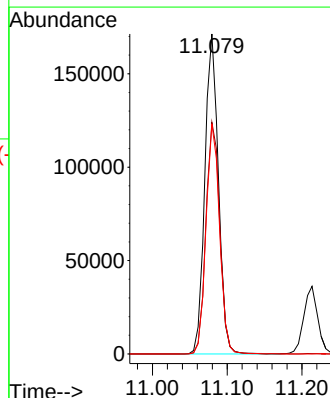
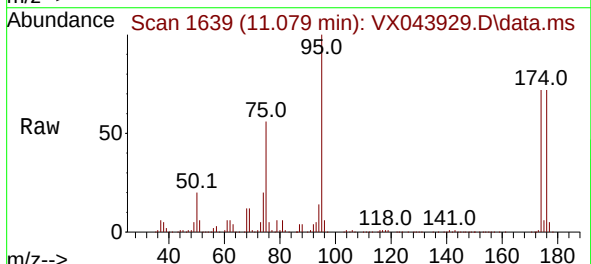
Tgt Ion: 95 Resp: 215953

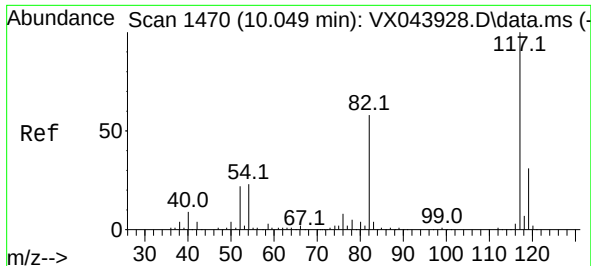
Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.4

176 71.8 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

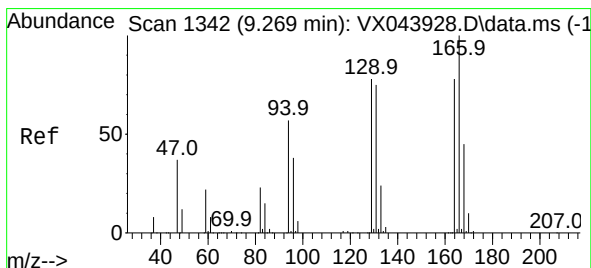
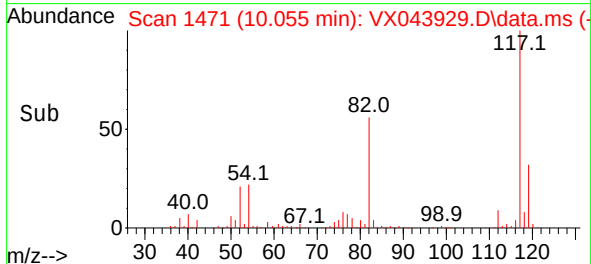
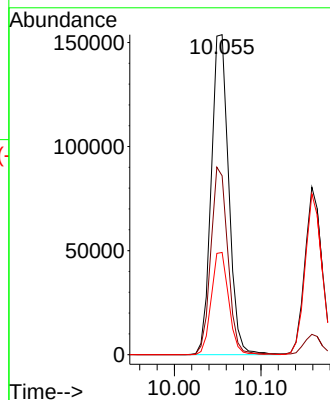
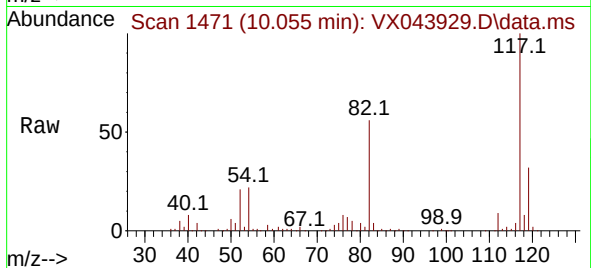
Tgt Ion:117 Resp: 215595

Ion Ratio Lower Upper

117 100

82 55.9 46.4 69.6

119 31.9 24.6 37.0



#64

Tetrachloroethene

Concen: 95.484 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

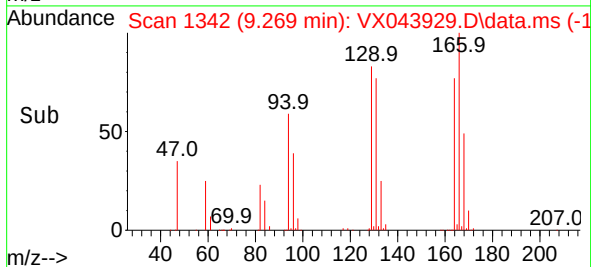
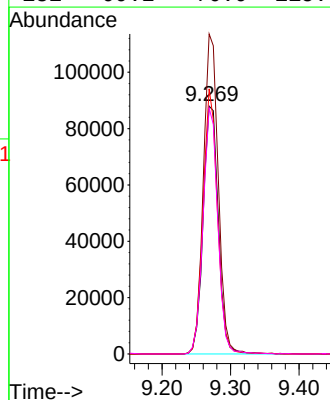
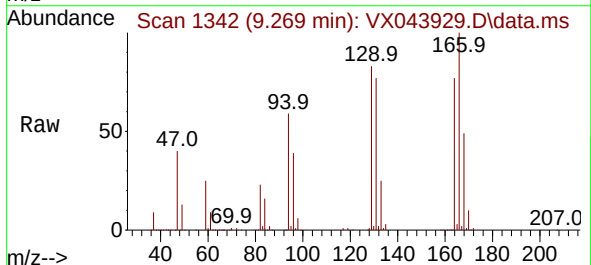
Ion Ratio Lower Upper

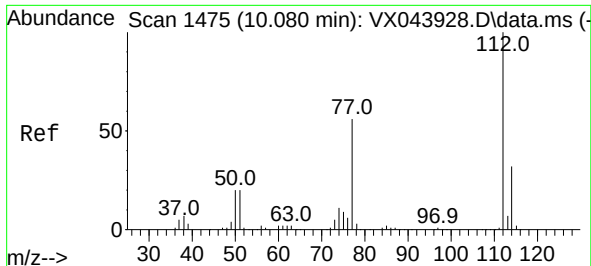
164 100

166 129.1 102.1 153.1

129 107.0 79.6 119.4

131 99.2 76.9 115.3

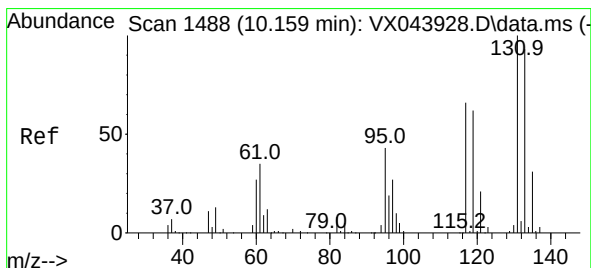
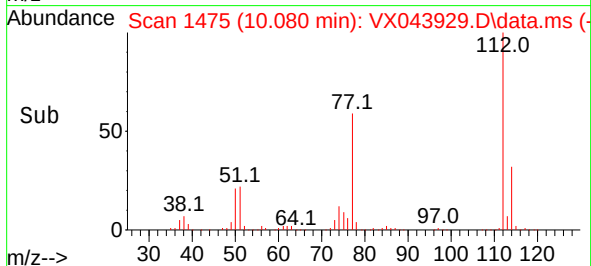
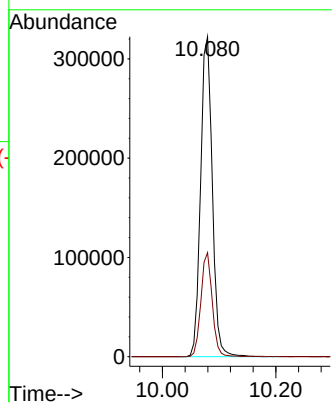
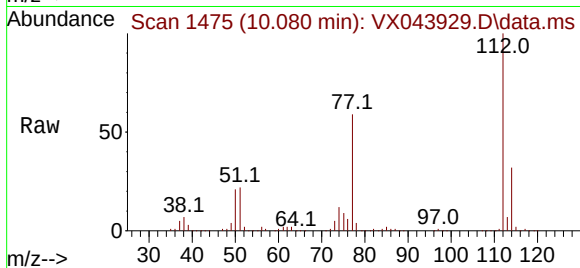




#65
Chlorobenzene
Concen: 97.374 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

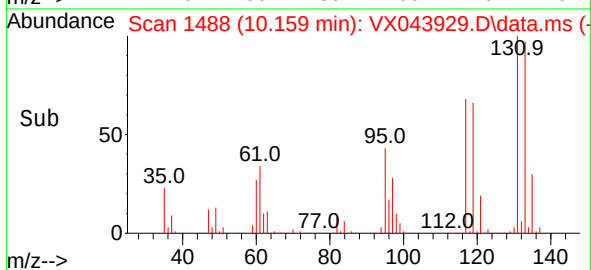
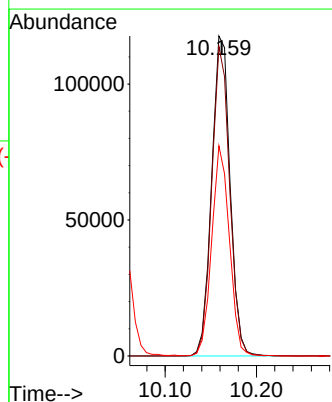
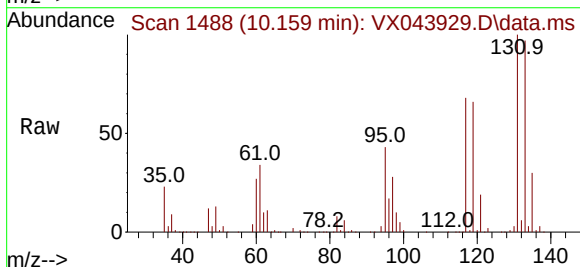
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

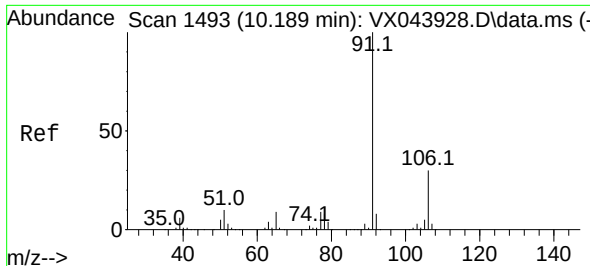
Tgt Ion:112 Resp: 461076
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 107.177 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586
Ion Ratio Lower Upper
131 100
133 94.2 48.2 144.6
119 63.2 31.5 94.5





#67

Ethyl Benzene

Concen: 101.238 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

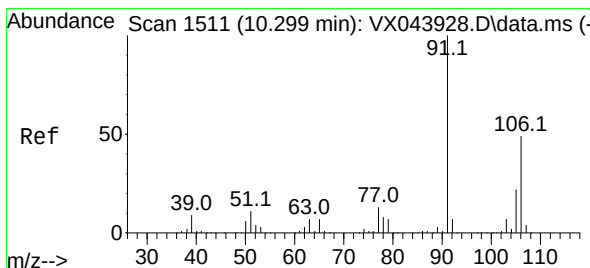
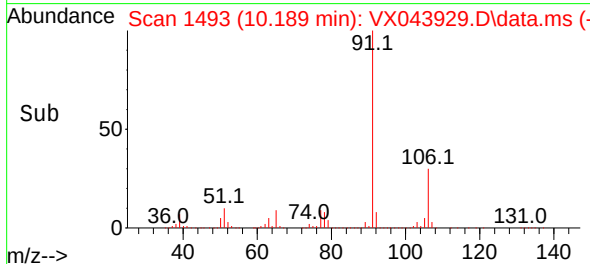
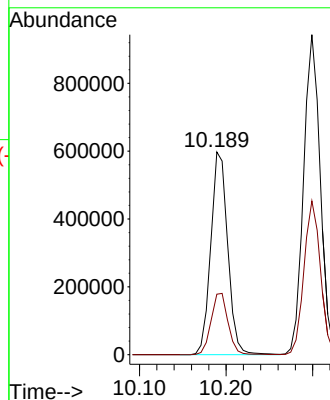
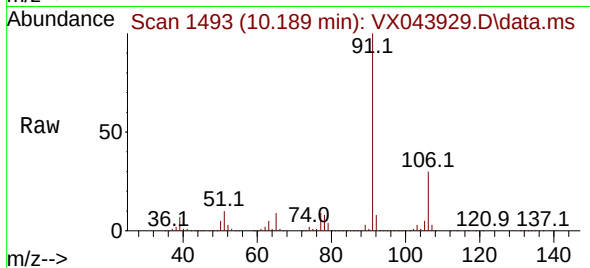
VSTDICC100

Tgt Ion: 91 Resp: 812289

Ion Ratio Lower Upper

91 100

106 29.8 23.6 35.4



#68

m/p-Xylenes

Concen: 201.677 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043929.D

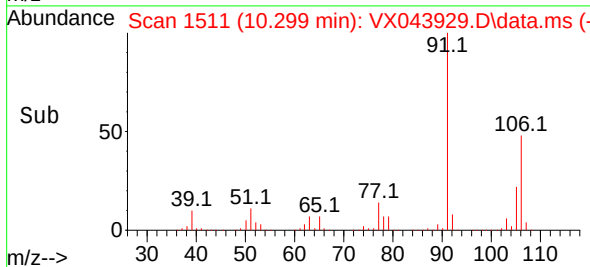
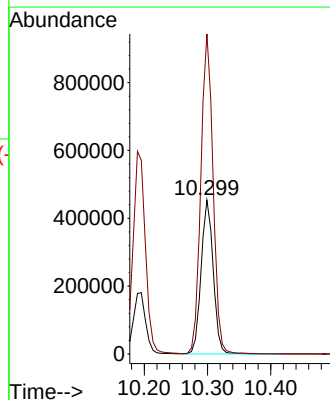
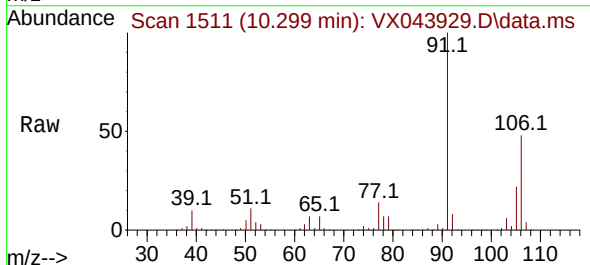
Acq: 21 Nov 2024 11:40

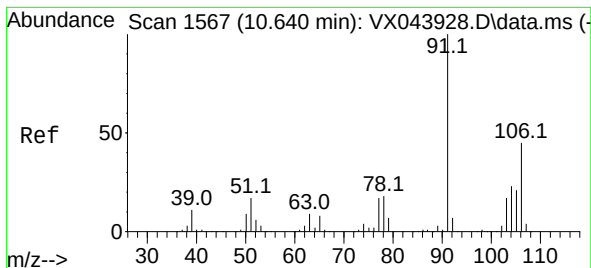
Tgt Ion:106 Resp: 603451

Ion Ratio Lower Upper

106 100

91 210.3 168.1 252.1

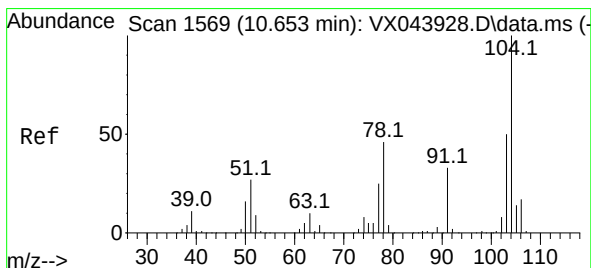
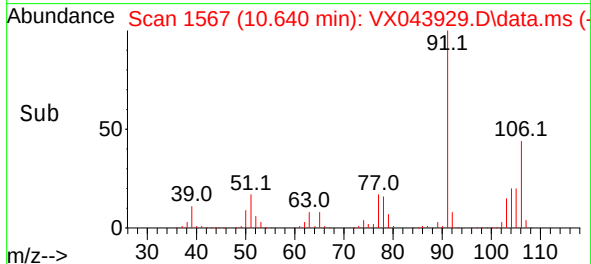
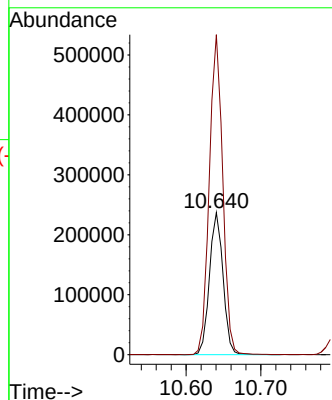
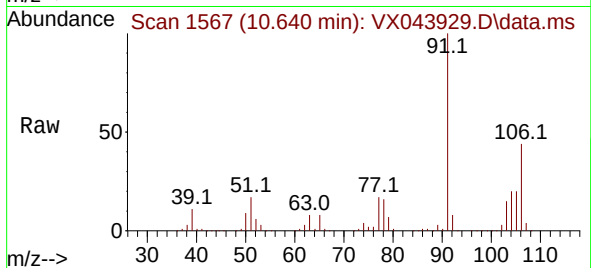




#69
o-Xylene
Concen: 102.257 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

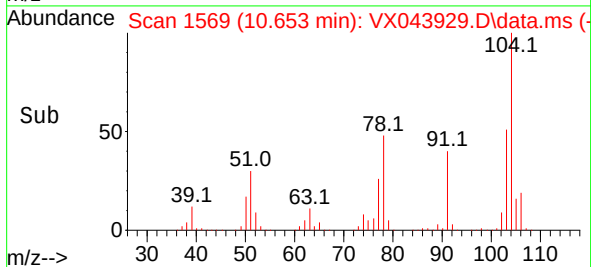
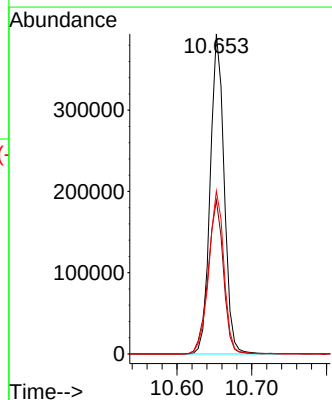
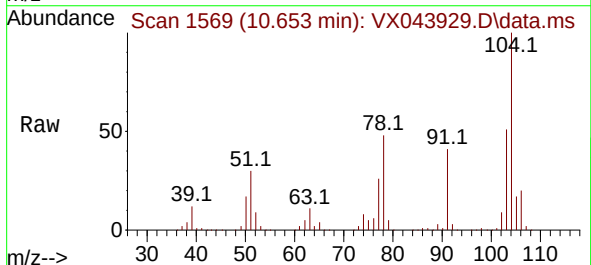
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

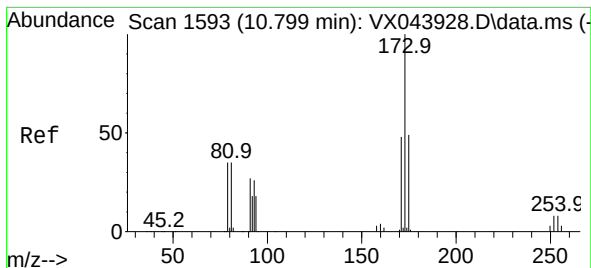
Tgt Ion:106 Resp: 298739
Ion Ratio Lower Upper
106 100
91 222.3 110.2 330.6



#70
Styrene
Concen: 105.807 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:104 Resp: 511251
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.2
103 55.4 44.7 67.1





#71

Bromoform

Concen: 98.888 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

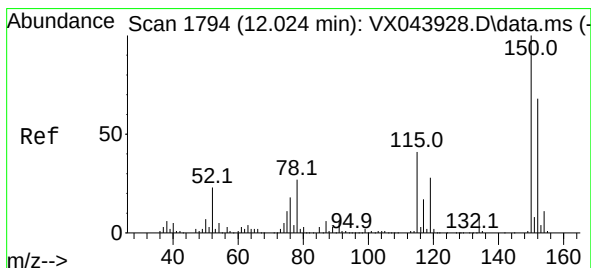
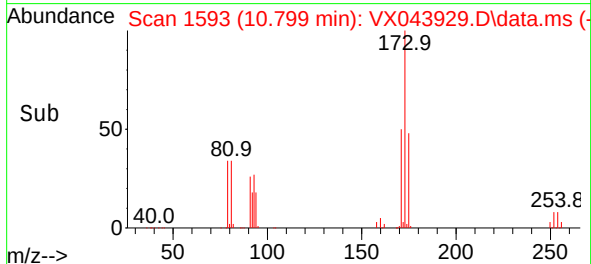
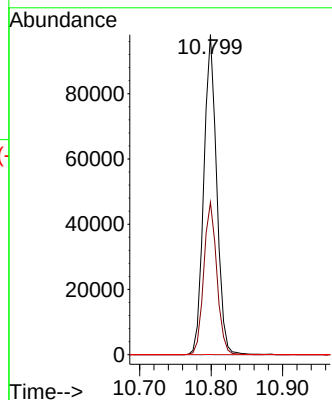
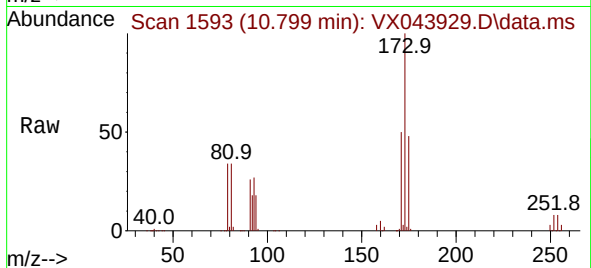
Tgt Ion:173 Resp: 123114

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

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. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

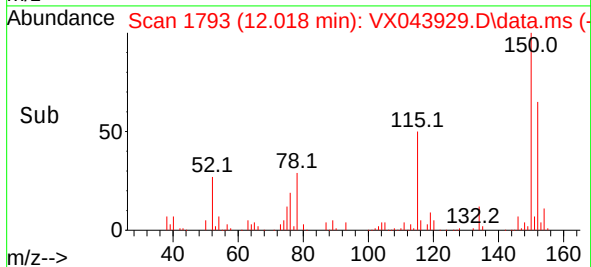
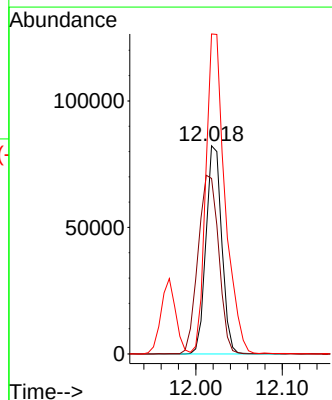
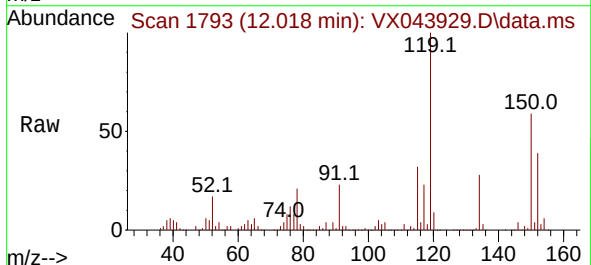
Tgt Ion:152 Resp: 104048

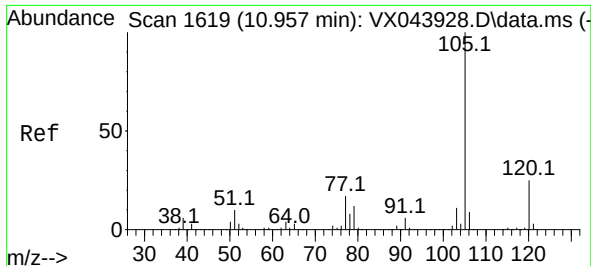
Ion Ratio Lower Upper

152 100

115 112.2 45.4 136.2

150 186.1 0.0 353.0

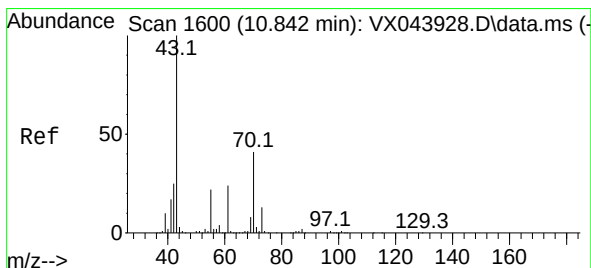
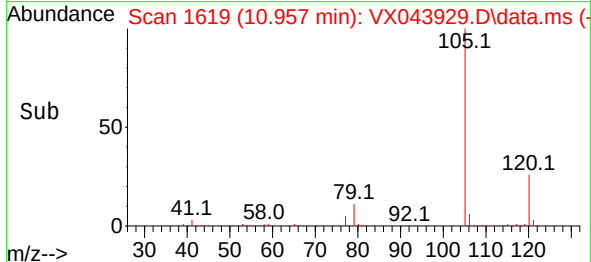
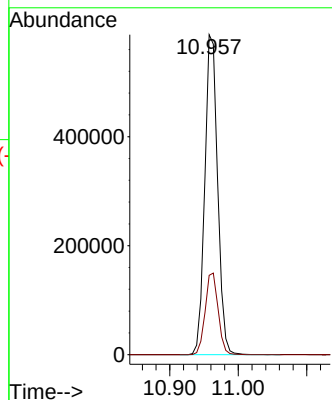
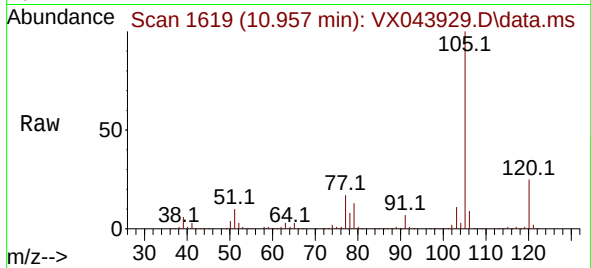




#73
Isopropylbenzene
Concen: 95.726 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

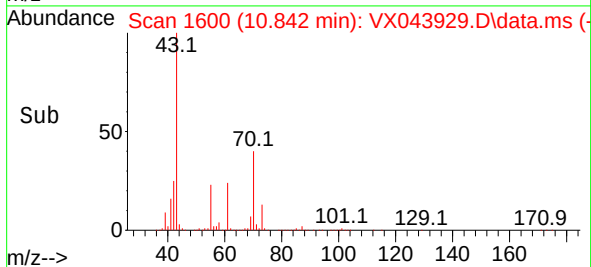
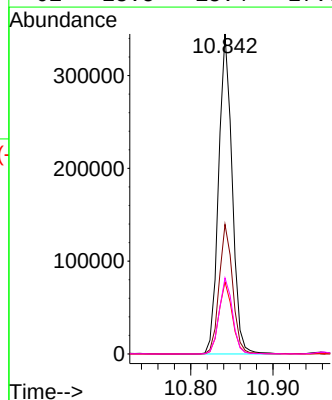
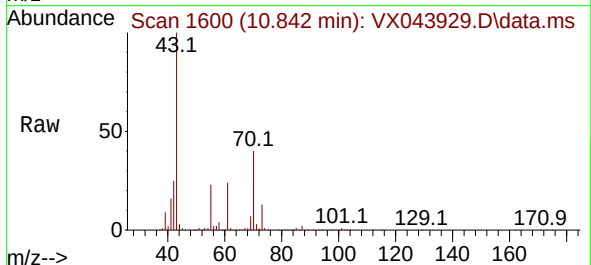
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

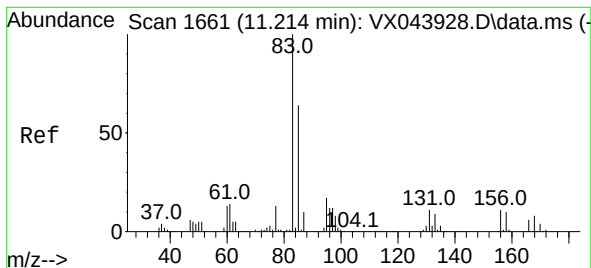
Tgt Ion:105 Resp: 765623
Ion Ratio Lower Upper
105 100
120 25.8 13.0 38.9



#74
N-ethyl acetate
Concen: 106.458 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438
Ion Ratio Lower Upper
43 100
70 40.2 32.2 48.2
55 22.3 18.1 27.1
61 23.5 18.4 27.6

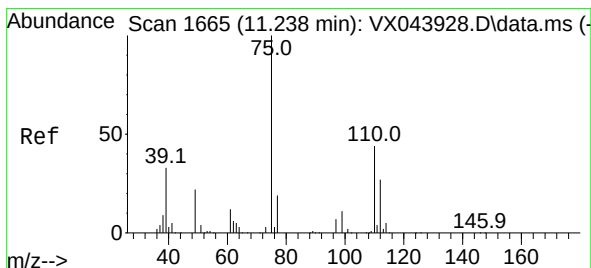
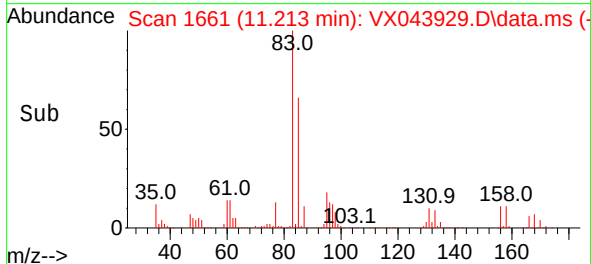
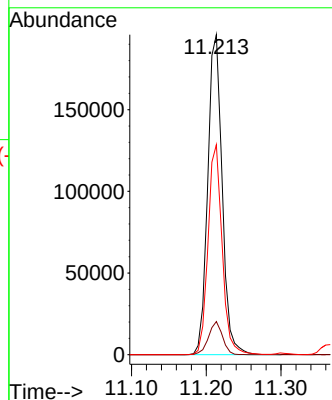
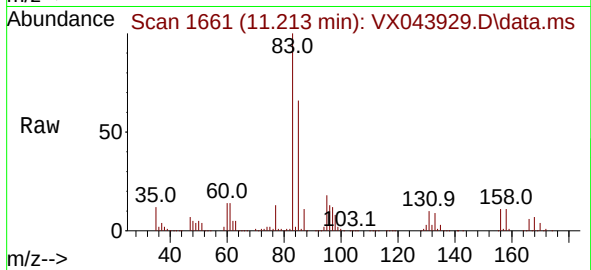




#75
1,1,2,2-Tetrachloroethane
Concen: 95.779 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

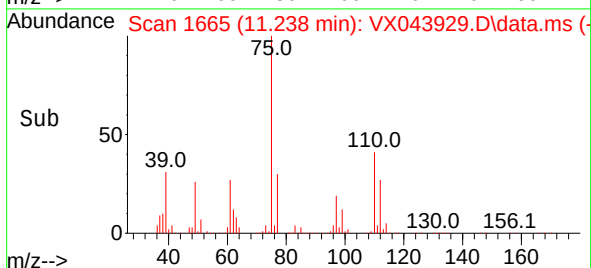
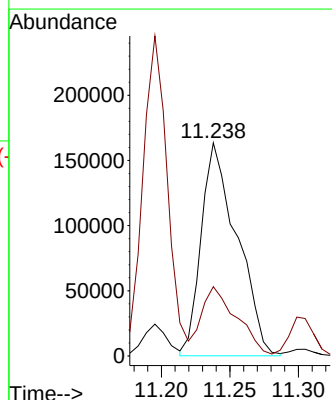
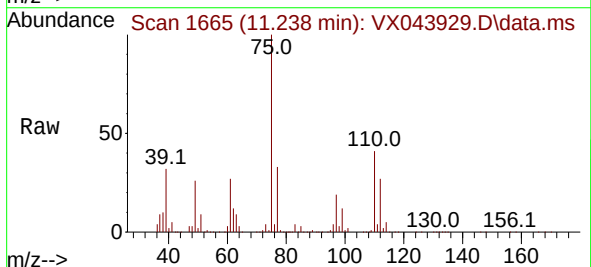
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

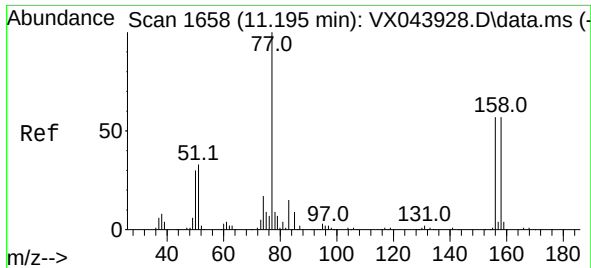
Tgt Ion: 83 Resp: 262302
Ion Ratio Lower Upper
83 100
131 10.0 5.1 15.2
85 64.1 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 132.787 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 297947
Ion Ratio Lower Upper
75 100
77 31.9 21.8 65.3

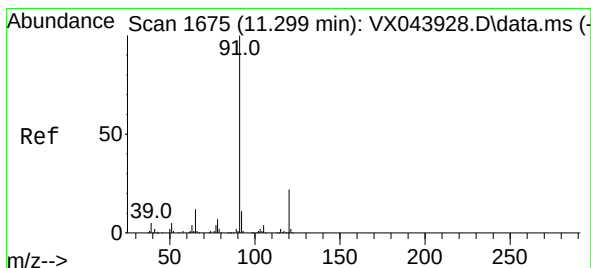
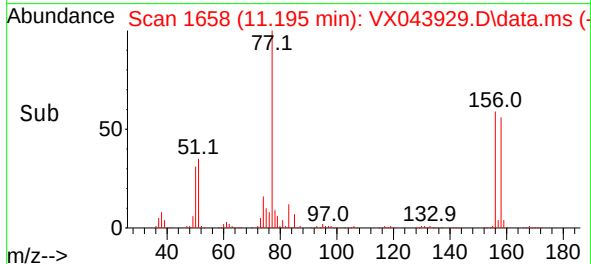
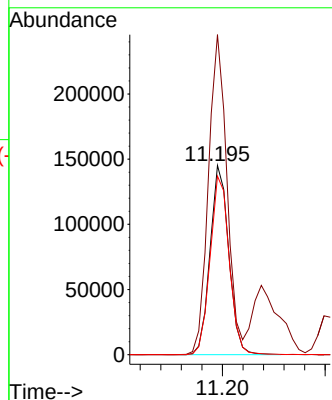
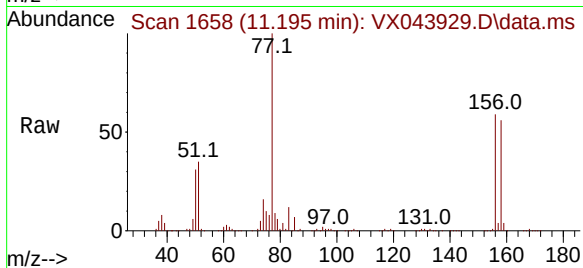




#77
Bromobenzene
Concen: 96.304 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

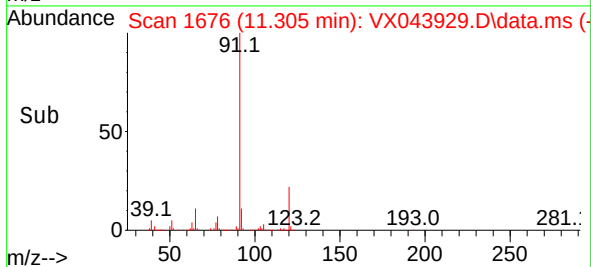
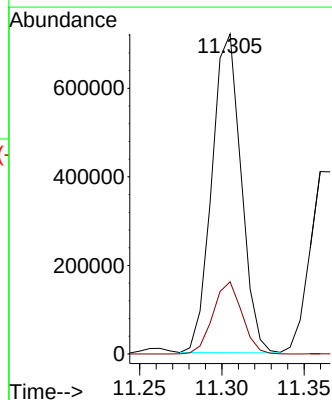
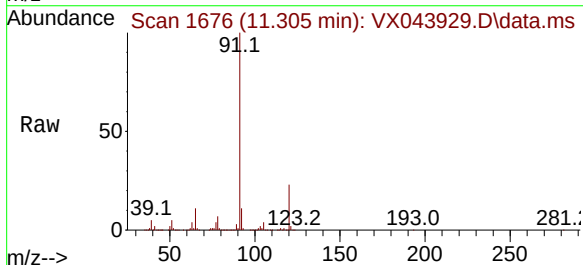
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

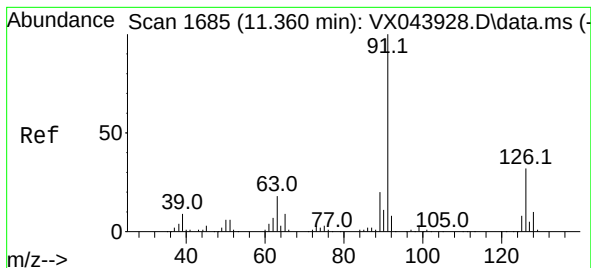
Tgt Ion:156 Resp: 183742
Ion Ratio Lower Upper
156 100
77 166.9 83.4 250.1
158 96.3 47.6 142.8



#78
n-propylbenzene
Concen: 99.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 891893
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.4

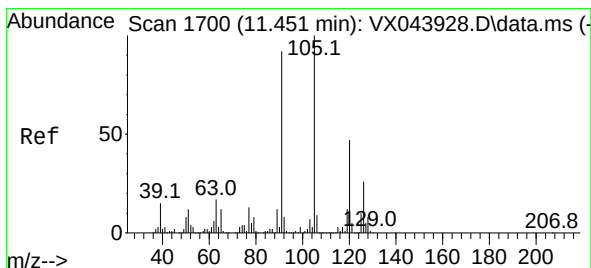
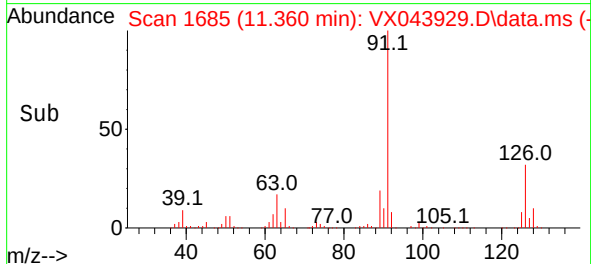
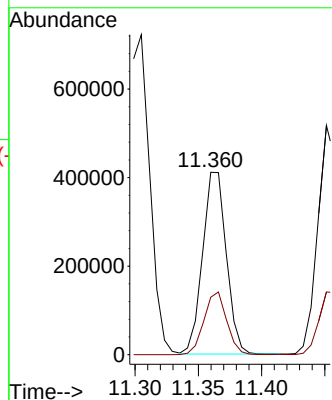
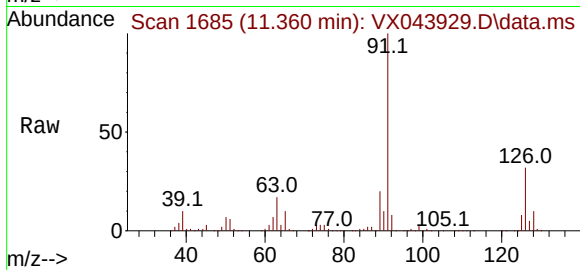




#79
2-Chlorotoluene
Concen: 95.103 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

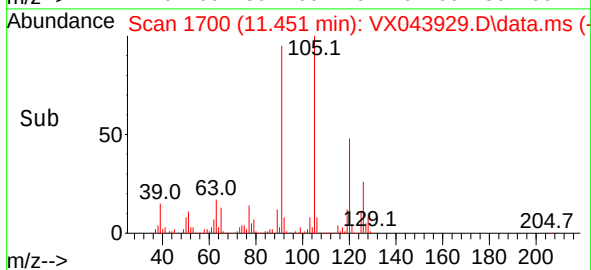
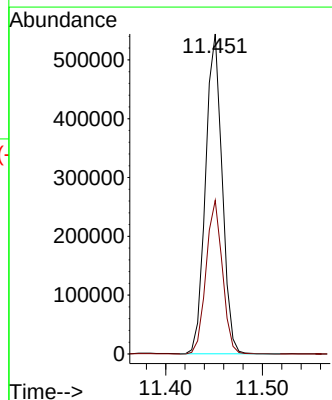
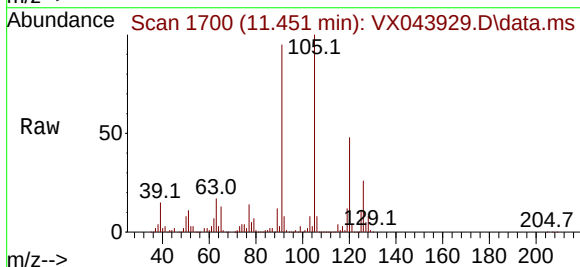
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

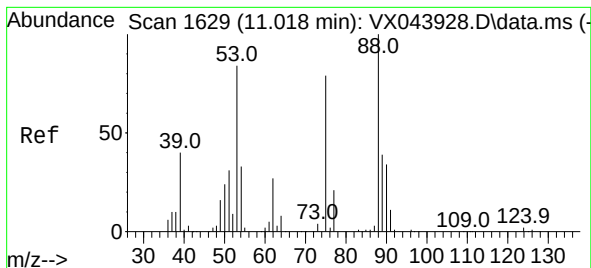
Tgt Ion: 91 Resp: 537190
Ion Ratio Lower Upper
91 100
126 33.0 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 98.618 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 105 Resp: 648916
Ion Ratio Lower Upper
105 100
120 47.2 23.3 69.8

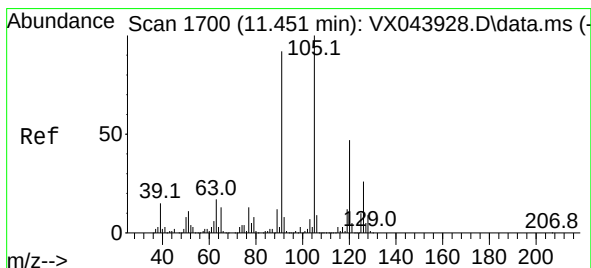
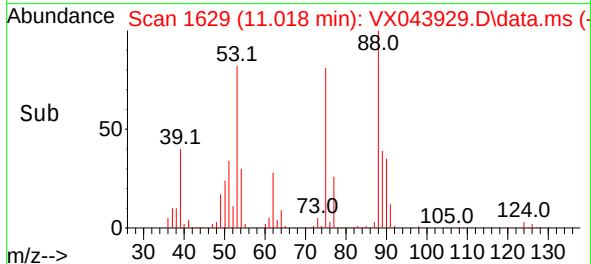
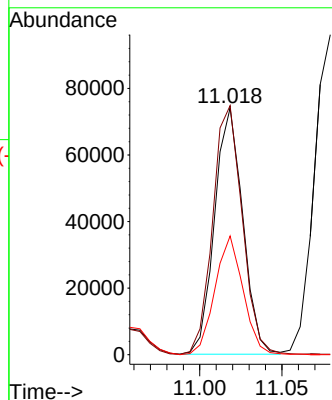
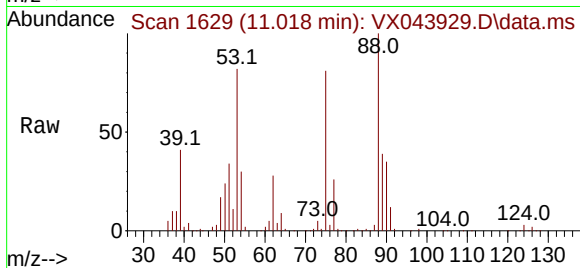




#81
trans-1,4-Dichloro-2-butene
Concen: 105.289 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

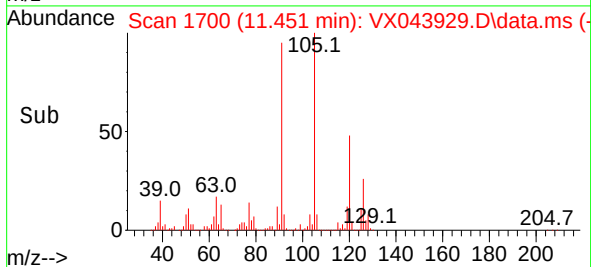
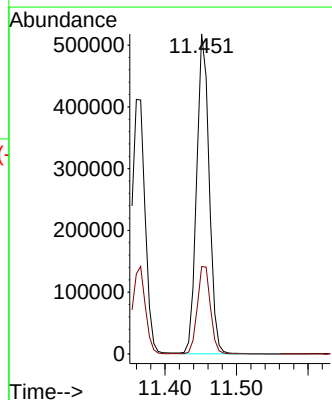
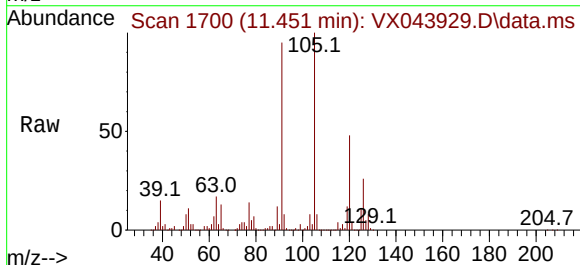
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

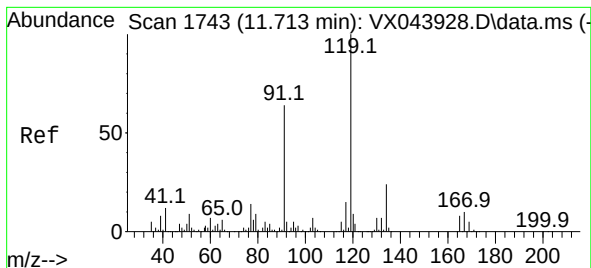
Tgt Ion: 75 Resp: 88041
Ion Ratio Lower Upper
75 100
53 106.0 86.7 130.1
89 48.3 38.2 57.2



#82
4-Chlorotoluene
Concen: 98.728 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590
Ion Ratio Lower Upper
91 100
126 28.7 14.3 42.9





#83

tert-Butylbenzene

Concen: 100.570 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

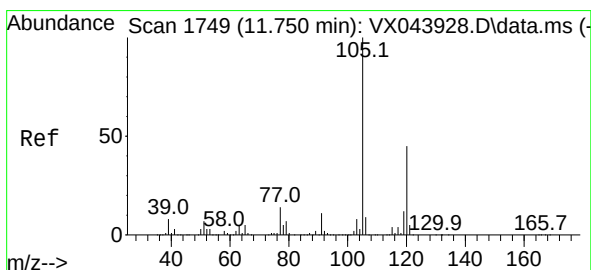
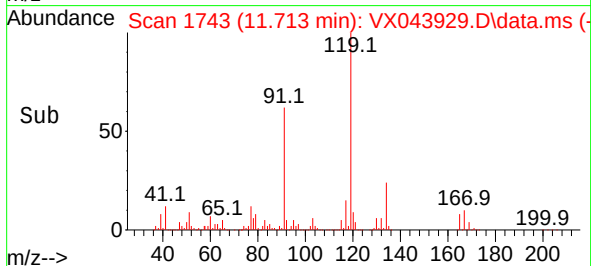
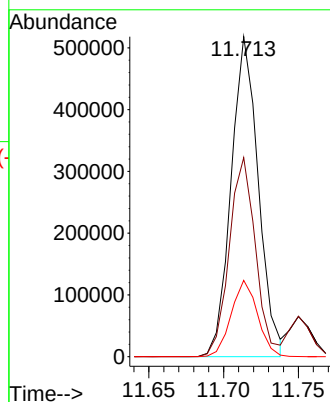
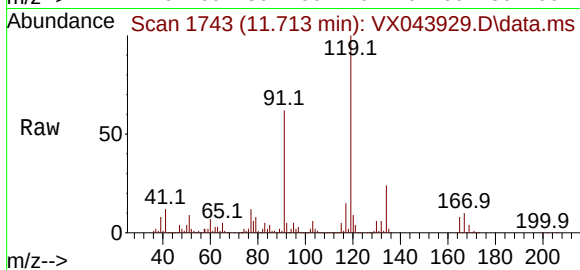
Tgt Ion:119 Resp: 655918

Ion Ratio Lower Upper

119 100

91 60.2 31.0 93.0

134 23.1 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 99.244 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043929.D

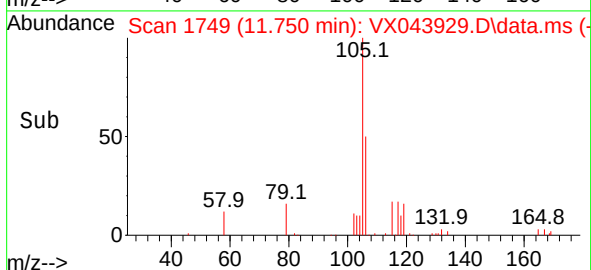
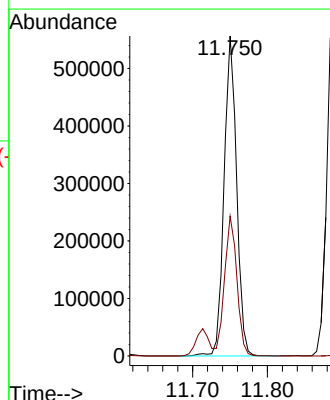
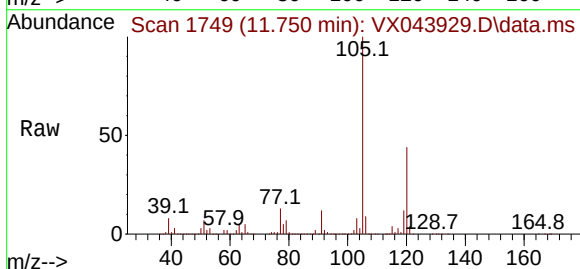
Acq: 21 Nov 2024 11:40

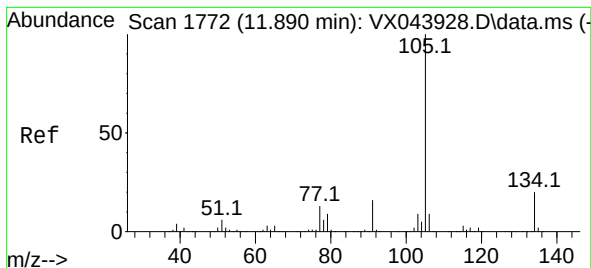
Tgt Ion:105 Resp: 650156

Ion Ratio Lower Upper

105 100

120 43.5 21.9 65.7

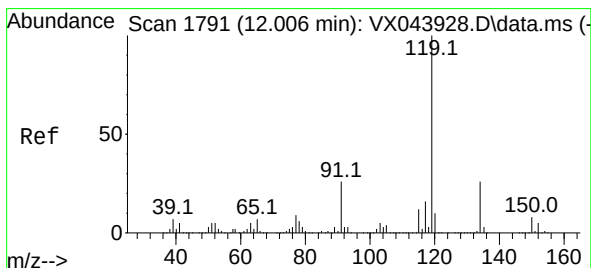
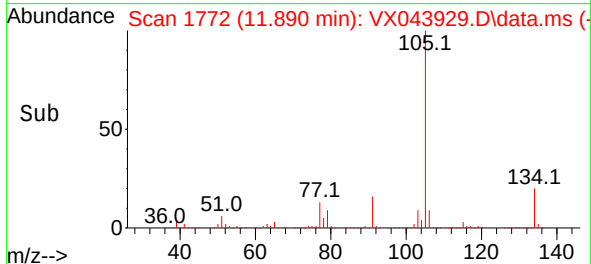
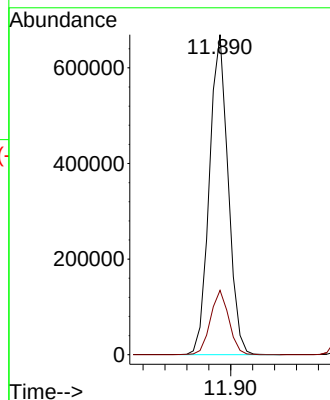
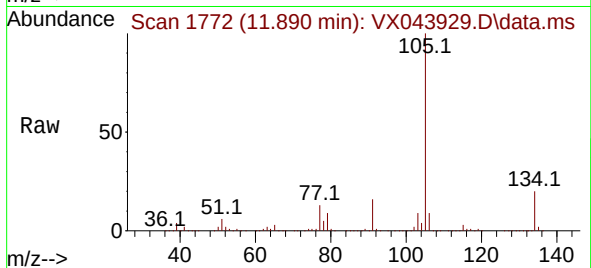




#85
 sec-Butylbenzene
 Concen: 99.267 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

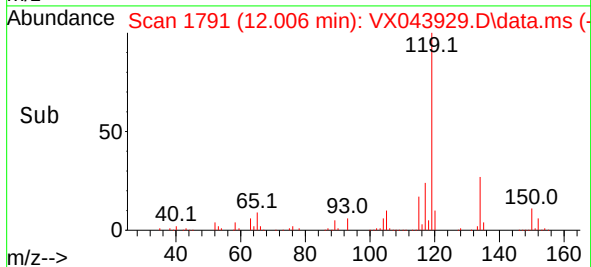
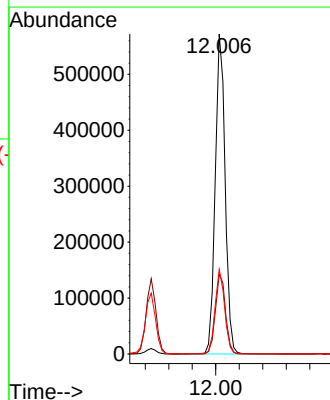
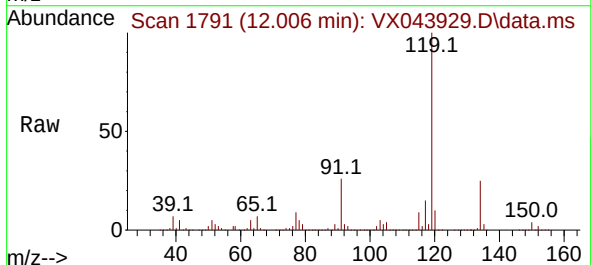
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

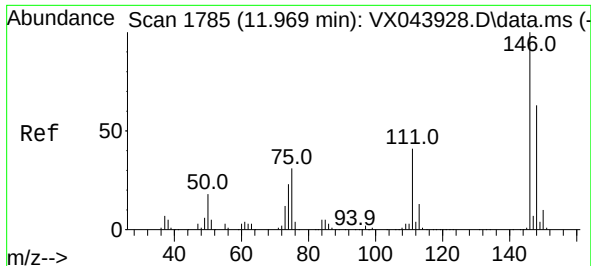
Tgt Ion:105 Resp: 793233
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 103.194 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX043929.D
 Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 669819
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 38.9
 91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 97.171 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

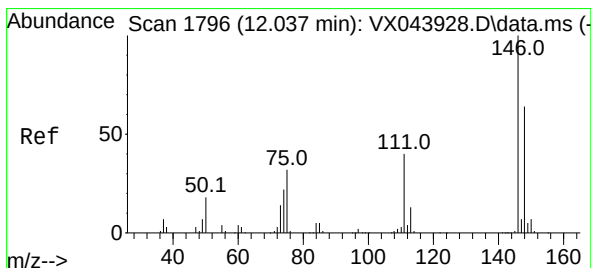
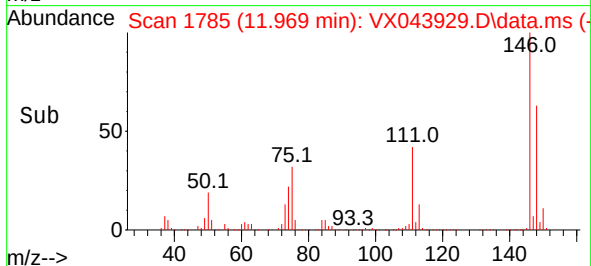
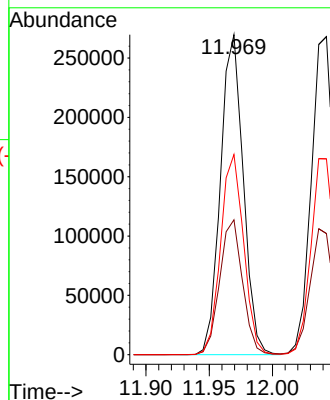
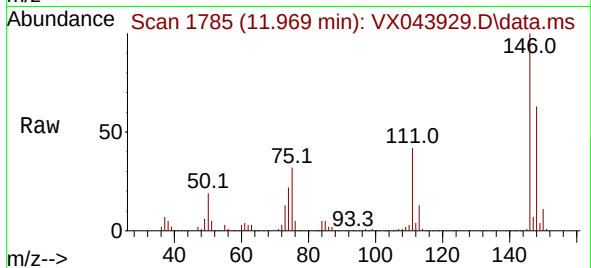
Tgt Ion:146 Resp: 337665

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.3

148 63.1 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 97.283 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

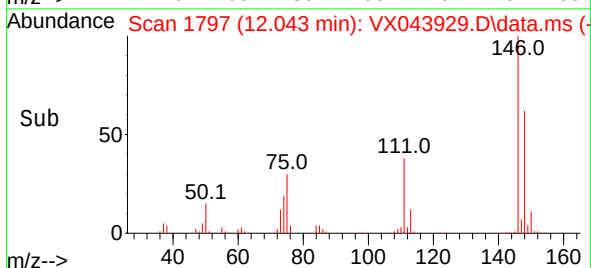
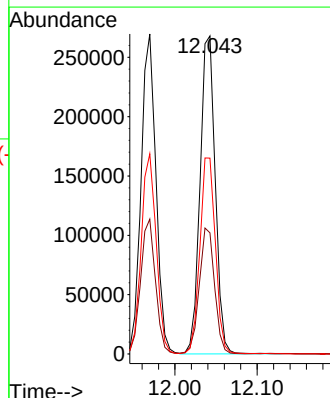
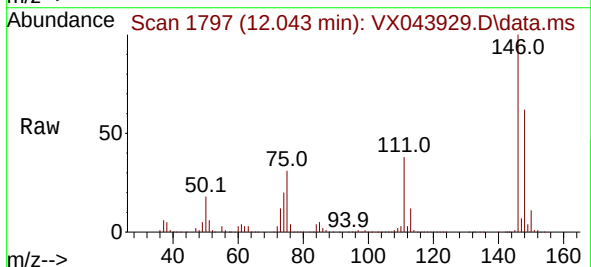
Tgt Ion:146 Resp: 343312

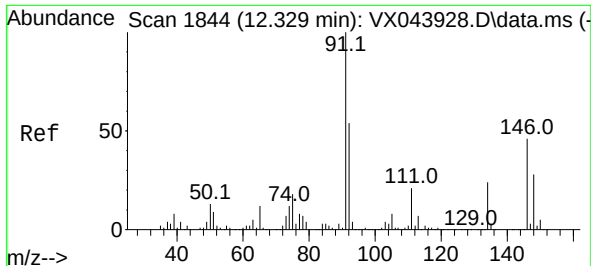
Ion Ratio Lower Upper

146 100

111 40.0 20.1 60.3

148 63.7 30.9 92.8





#89

n-Butylbenzene

Concen: 105.767 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

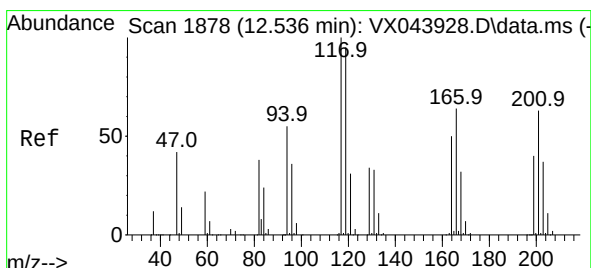
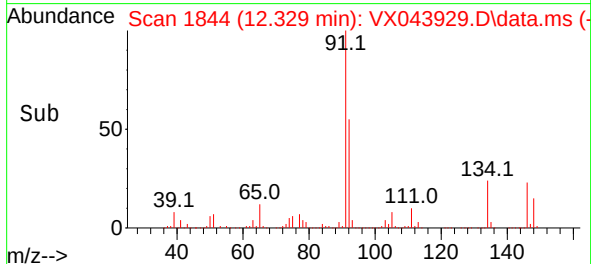
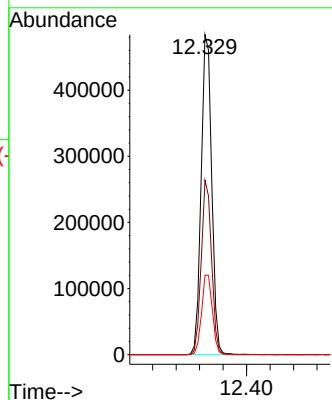
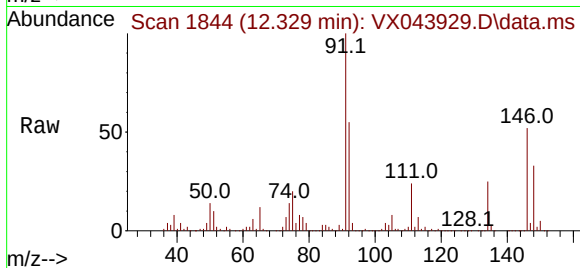
Tgt Ion: 91 Resp: 605284

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.8

134 25.4 12.4 37.2



#90

Hexachloroethane

Concen: 109.549 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043929.D

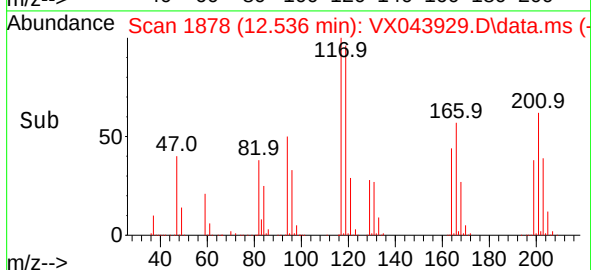
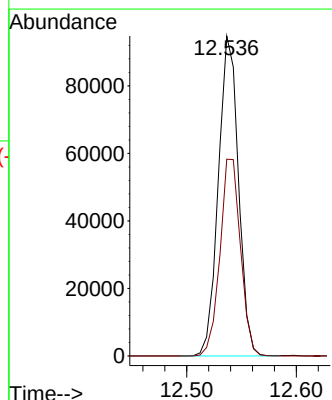
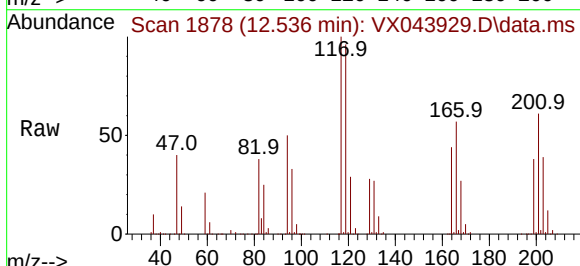
Acq: 21 Nov 2024 11:40

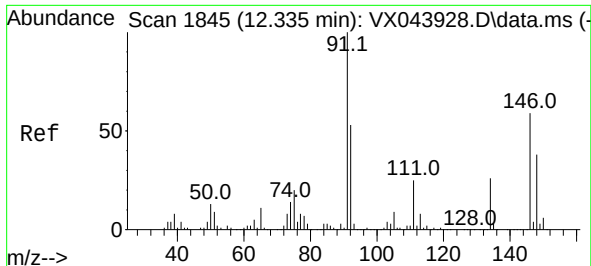
Tgt Ion: 117 Resp: 120913

Ion Ratio Lower Upper

117 100

201 62.9 32.4 97.0

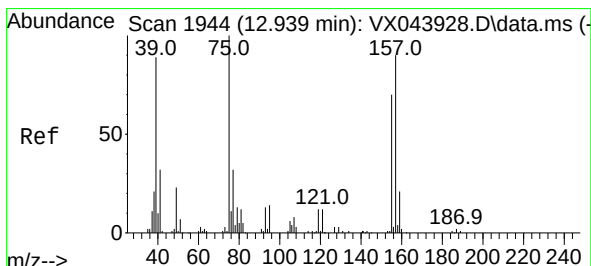
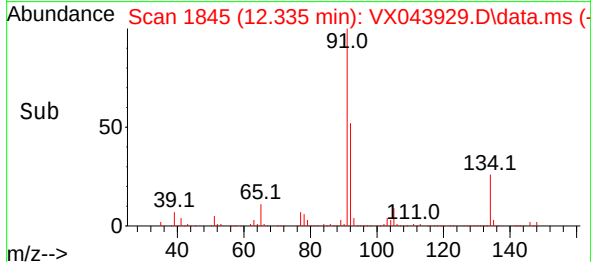
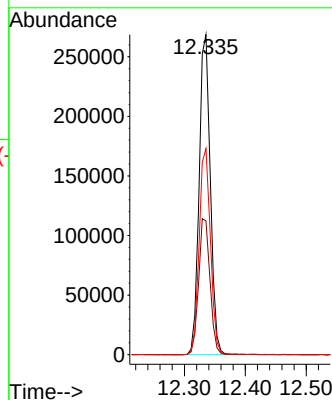
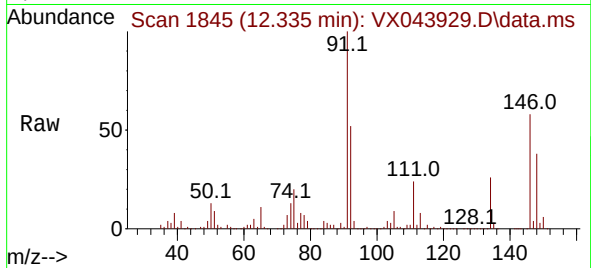




#91
1,2-Dichlorobenzene
Concen: 97.457 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

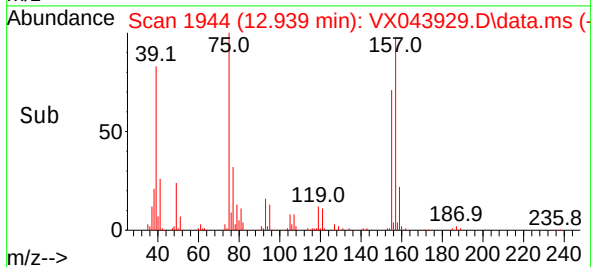
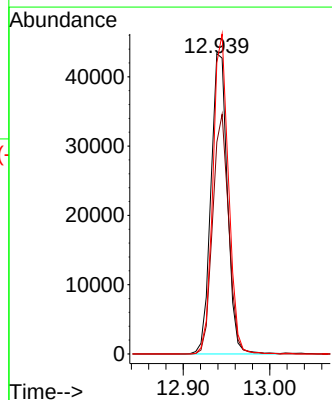
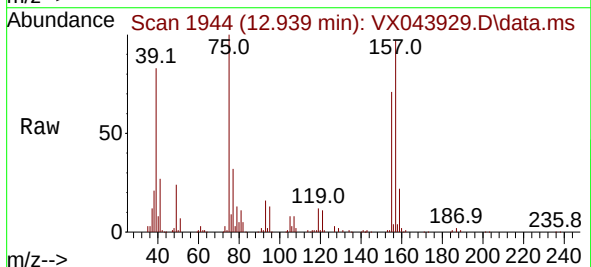
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

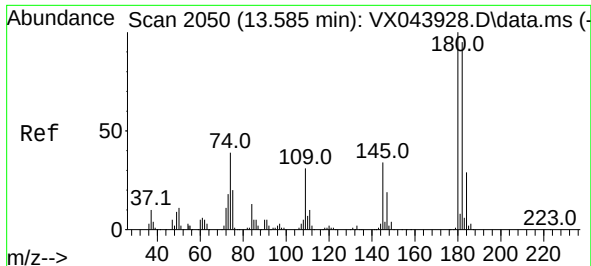
Tgt Ion:146 Resp: 341767
Ion Ratio Lower Upper
146 100
111 43.3 21.5 64.5
148 65.0 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 104.396 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287
Ion Ratio Lower Upper
75 100
155 77.8 40.1 120.2
157 100.9 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 101.849 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

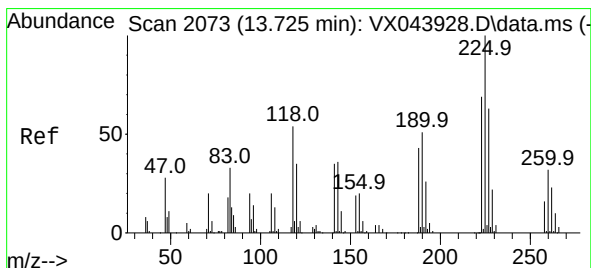
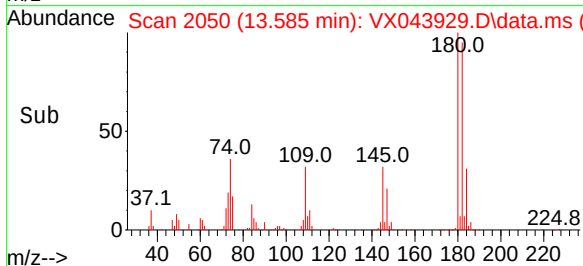
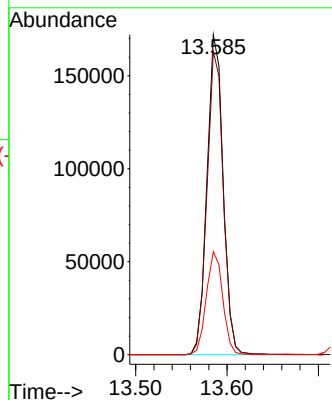
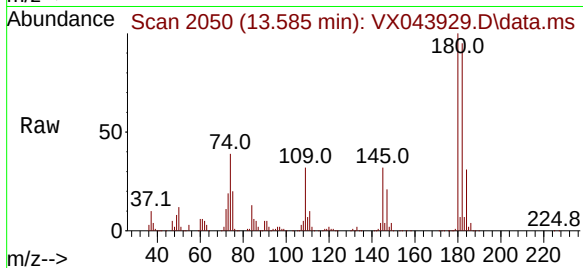
Tgt Ion:180 Resp: 210571

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.2

145 32.8 16.8 50.4



#94

Hexachlorobutadiene

Concen: 97.688 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

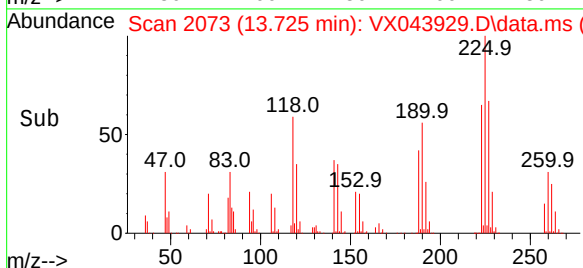
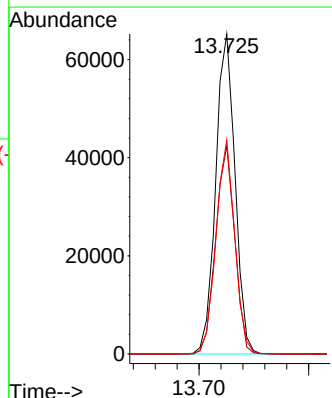
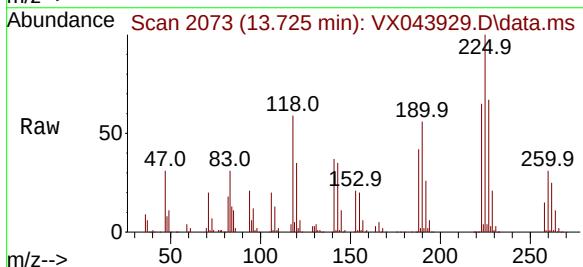
Tgt Ion:225 Resp: 79822

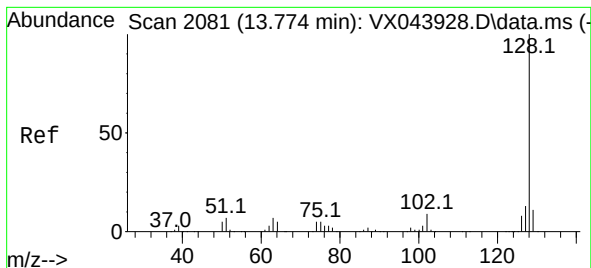
Ion Ratio Lower Upper

225 100

223 64.1 32.9 98.6

227 65.0 31.6 94.8





#95

Naphthalene

Concen: 104.367 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

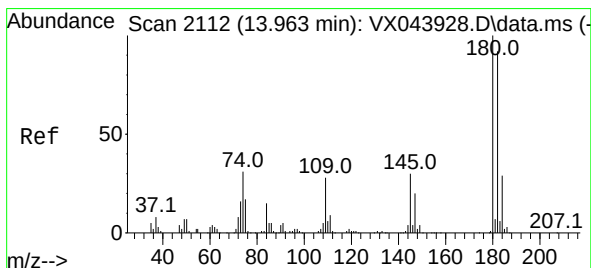
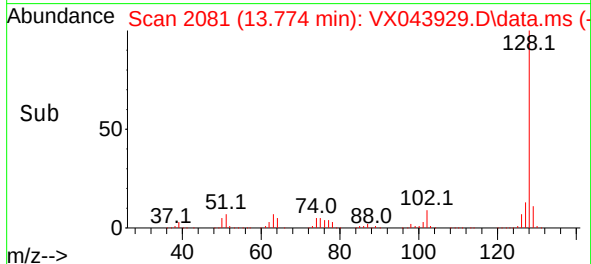
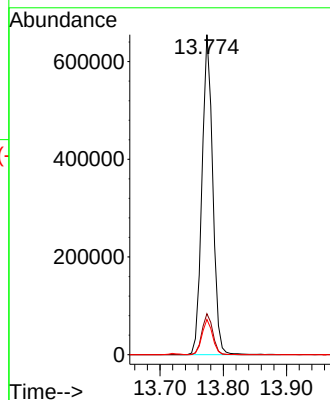
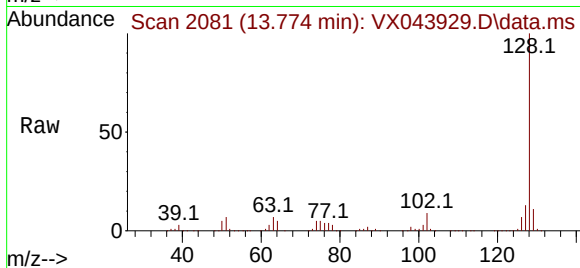
Tgt Ion:128 Resp: 776740

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 101.219 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

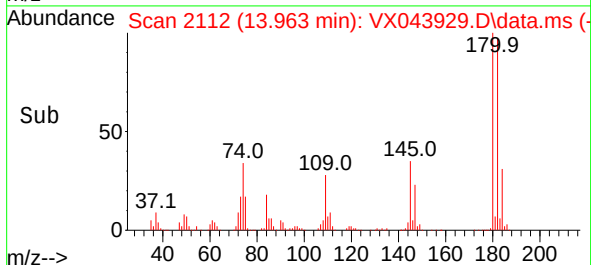
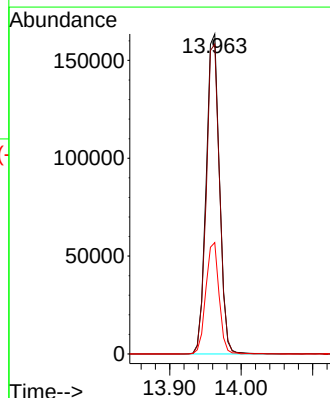
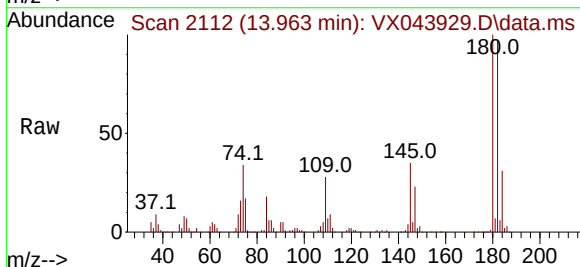
Tgt Ion:180 Resp: 211814

Ion Ratio Lower Upper

180 100

182 96.8 45.6 136.8

145 34.6 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043930.D
 Acq On : 21 Nov 2024 12:03
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 22 03:32:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	237642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96376	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	349080	153.852	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 307.700%#	
35) Dibromofluoromethane	5.385	113	268135	157.906	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 315.820%#	
50) Toluene-d8	8.647	98	896413	153.143	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 306.280%#	
62) 4-Bromofluorobenzene	11.079	95	324612	162.951	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 325.900%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	144.040	ug/l	99
3) Chloromethane	1.294	50	268770	152.406	ug/l	99
4) Vinyl Chloride	1.374	62	271568	144.779	ug/l	99
5) Bromomethane	1.593	94	175581	152.160	ug/l	99
6) Chloroethane	1.660	64	140375	122.817	ug/l	99
7) Trichlorofluoromethane	1.861	101	527057	157.163	ug/l	100
8) Diethyl Ether	2.136	74	185146	151.473	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	148.564	ug/l	99
10) Methyl Iodide	2.440	142	299792	150.056	ug/l	99
11) Tert butyl alcohol	3.014	59	306168	840.696	ug/l	100
12) 1,1-Dichloroethene	2.306	96	228504	149.905	ug/l	99
13) Acrolein	2.239	56	294638	767.557	ug/l	97
14) Allyl chloride	2.654	41	394228	158.278	ug/l	98
15) Acrylonitrile	3.068	53	684169	770.903	ug/l	99
16) Acetone	2.392	43	734161	704.500	ug/l	99
17) Carbon Disulfide	2.501	76	554853	176.465	ug/l	99
18) Methyl Acetate	2.703	43	361338	148.895	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	869848	157.161	ug/l	100
20) Methylene Chloride	2.782	84	260099	147.078	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	245485	155.985	ug/l	98
22) Diisopropyl ether	3.763	45	835960	156.960	ug/l	97
23) Vinyl Acetate	3.721	43	3797951	833.608	ug/l	99
24) 1,1-Dichloroethane	3.599	63	479590	156.091	ug/l	99
25) 2-Butanone	4.568	43	1012692	753.134	ug/l	100
26) 2,2-Dichloropropane	4.465	77	440061	158.591	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	304342	156.447	ug/l	100
28) Bromochloromethane	4.891	49	207753	153.614	ug/l	97
29) Tetrahydrofuran	5.007	42	617277	748.806	ug/l	99
30) Chloroform	5.092	83	513285	155.325	ug/l	96
31) Cyclohexane	5.458	56	367157	145.191	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	455922	159.987	ug/l	99
36) 1,1-Dichloropropene	5.684	75	331239	156.540	ug/l	97
37) Ethyl Acetate	4.721	43	393670	149.876	ug/l	99
38) Carbon Tetrachloride	5.672	117	376287	158.262	ug/l	99
39) Methylcyclohexane	7.372	83	410333	149.269	ug/l	97
40) Benzene	6.031	78	999210	151.598	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043930.D
 Acq On : 21 Nov 2024 12:03
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 22 03:32:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:25:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	206026	153.252	ug/l	94
42) 1,2-Dichloroethane	6.080	62	397508	150.163	ug/l	99
43) Isopropyl Acetate	6.342	43	661839	158.329	ug/l	100
44) Trichloroethene	7.123	130	251071	134.559	ug/l	94
45) 1,2-Dichloropropane	7.427	63	249394	154.486	ug/l	98
46) Dibromomethane	7.580	93	202329	158.440	ug/l	99
47) Bromodichloromethane	7.818	83	388259	169.524	ug/l	100
48) Methyl methacrylate	7.690	41	315872	157.479	ug/l	99
49) 1,4-Dioxane	7.665	88	106634	3083.461	ug/l	91
51) 4-Methyl-2-Pentanone	8.580	43	1954925	766.353	ug/l	99
52) Toluene	8.714	92	607179	153.910	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	406346	173.984	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	428549	167.379	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	245706	150.879	ug/l	98
56) Ethyl methacrylate	9.116	69	420409	165.742	ug/l	100
57) 1,3-Dichloropropane	9.305	76	416811	151.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	753.191	ug/l	99
59) 2-Hexanone	9.433	43	1493755	779.070	ug/l	99
60) Dibromochloromethane	9.518	129	286188	175.154	ug/l	99
61) 1,2-Dibromoethane	9.610	107	261369	158.727	ug/l	99
64) Tetrachloroethene	9.268	164	202262	150.897	ug/l	97
65) Chlorobenzene	10.079	112	675513	151.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	166.861	ug/l	99
67) Ethyl Benzene	10.195	91	1181693	156.200	ug/l	97
68) m/p-Xylenes	10.299	106	884067	313.360	ug/l	99
69) o-Xylene	10.640	106	436919	158.616	ug/l	99
70) Styrene	10.652	104	742061	162.878	ug/l	98
71) Bromoform	10.799	173	186691	150.272	ug/l #	99
73) Isopropylbenzene	10.963	105	1135309	153.248	ug/l	100
74) N-amyl acetate	10.841	43	586560	170.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	149.781	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	436650	210.095	ug/l	83
77) Bromobenzene	11.195	156	270671	153.159	ug/l	99
78) n-propylbenzene	11.305	91	1296979	156.752	ug/l	99
79) 2-Chlorotoluene	11.366	91	788163	150.642	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	153.592	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	175.724	ug/l	96
82) 4-Chlorotoluene	11.451	91	919566	155.679	ug/l	100
83) tert-Butylbenzene	11.713	119	945058	156.438	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	153.802	ug/l	99
85) sec-Butylbenzene	11.890	105	1148877	155.218	ug/l	99
86) p-Isopropyltoluene	12.006	119	972007	161.670	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	490336	152.338	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	494318	151.224	ug/l	98
89) n-Butylbenzene	12.329	91	903805	170.502	ug/l	100
90) Hexachloroethane	12.536	117	180575	176.628	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	503214	154.918	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	173.059	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	325289	169.860	ug/l	99
94) Hexachlorobutadiene	13.725	225	121126	160.037	ug/l	98
95) Naphthalene	13.774	128	1173154	170.179	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	168.544	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

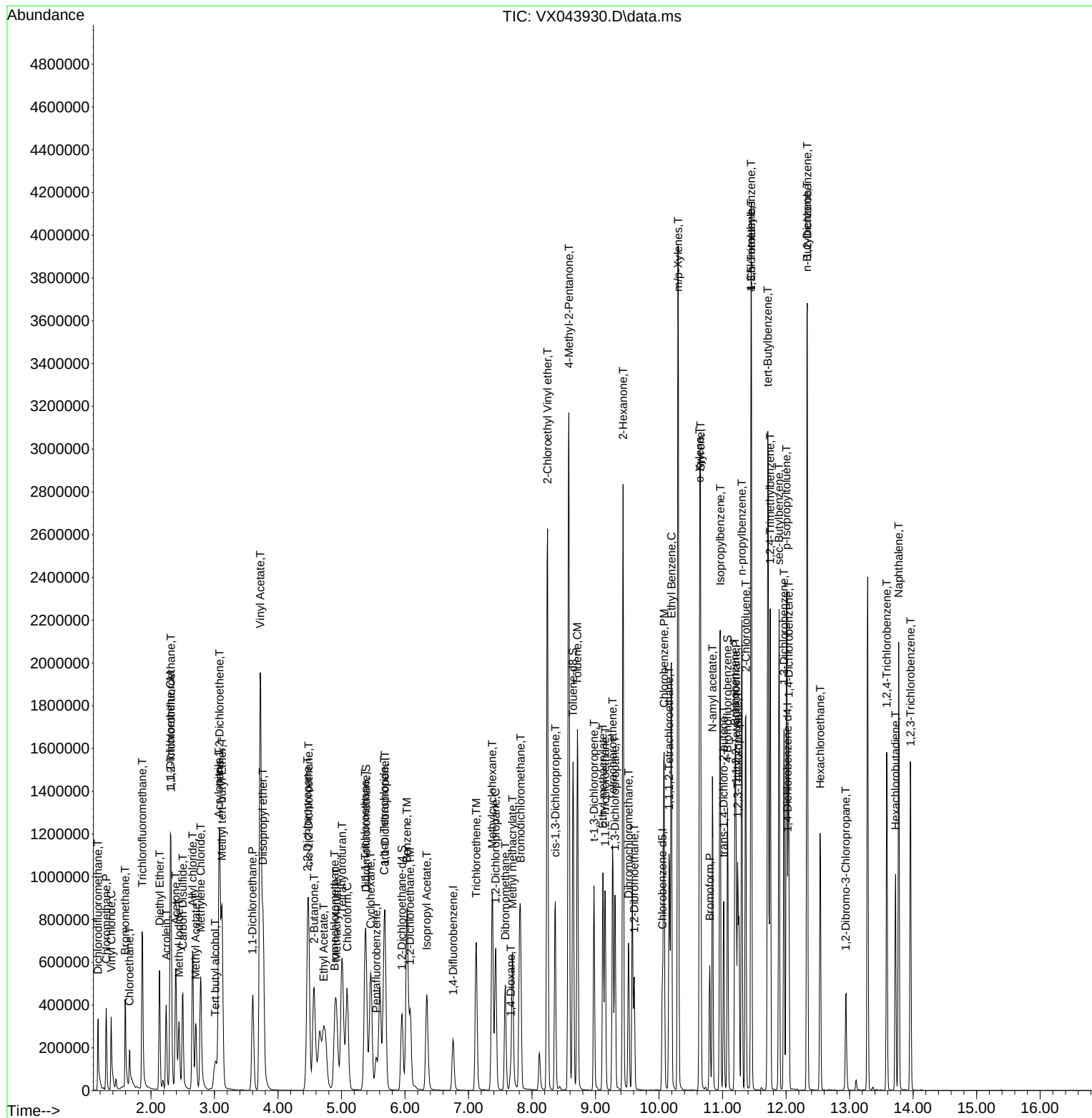
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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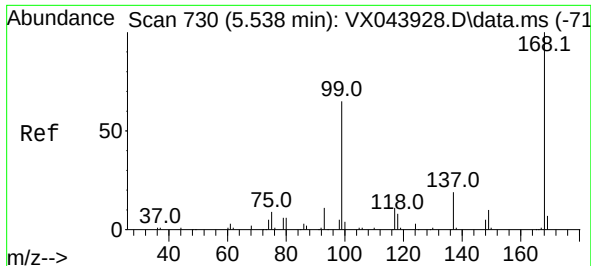
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

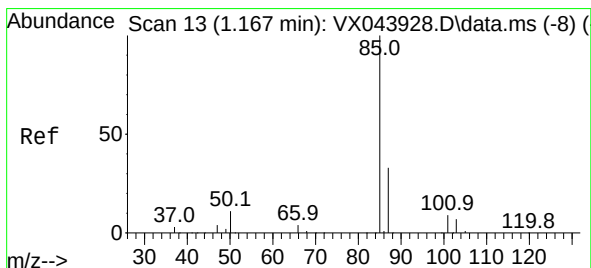
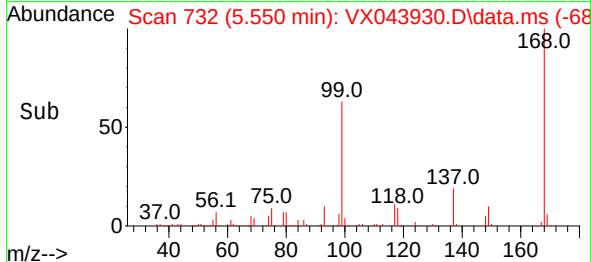
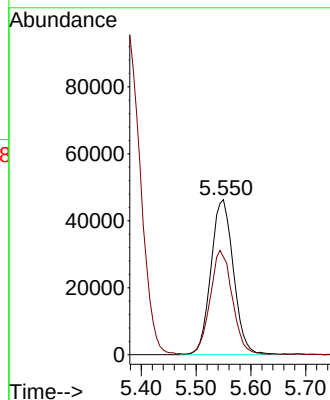
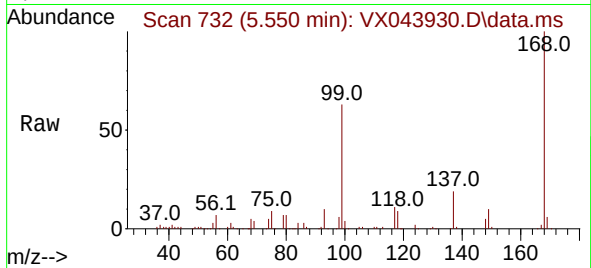




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 74
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

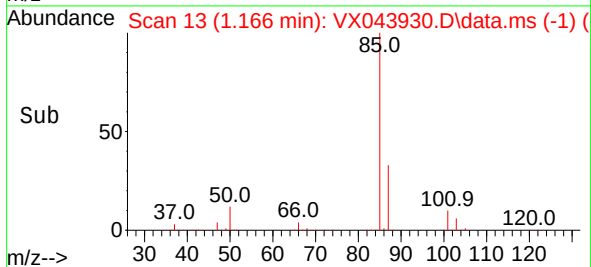
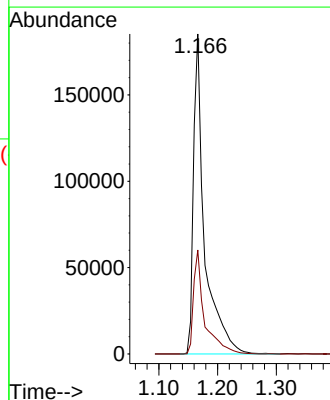
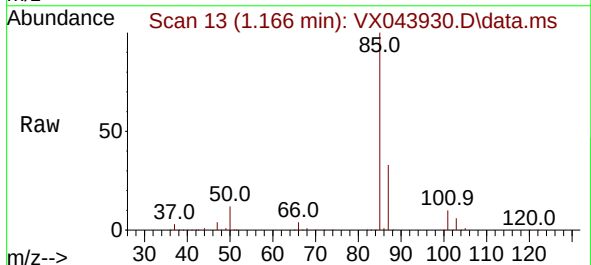
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

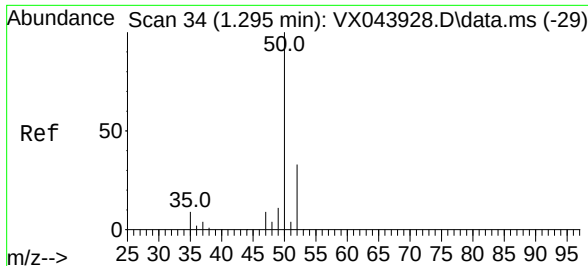
Tgt Ion:168 Resp: 132286
Ion Ratio Lower Upper
168 100
99 62.9 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 144.040 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8

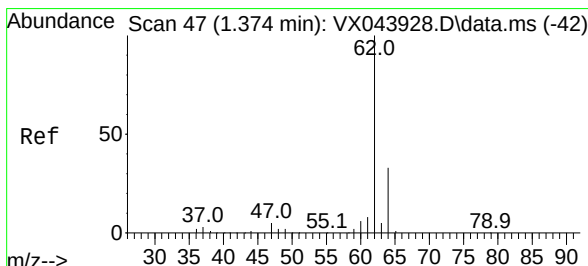
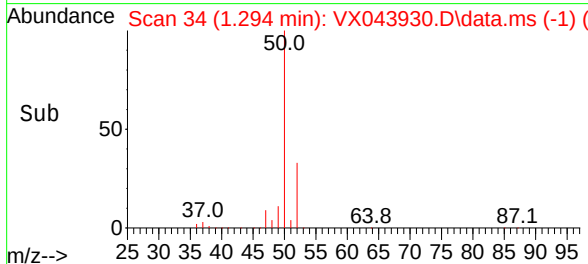
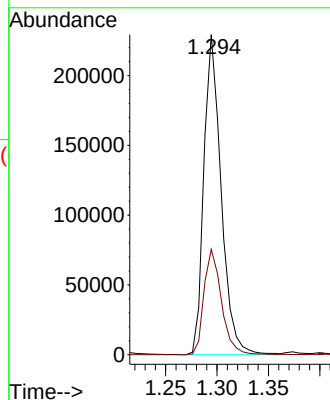
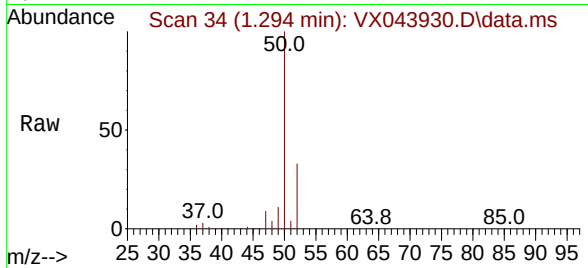




#3
Chloromethane
Concen: 152.406 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

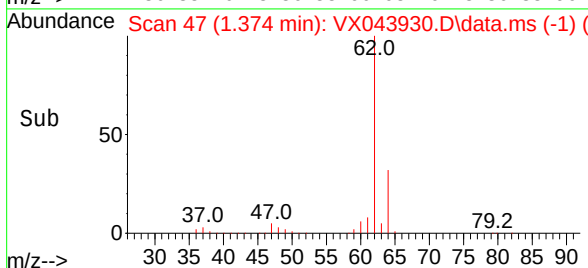
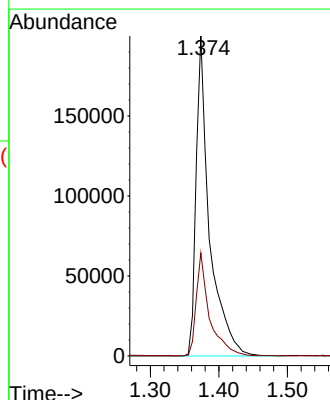
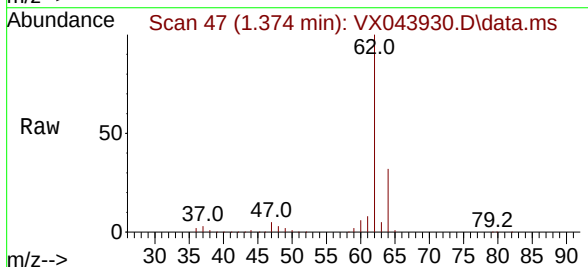
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

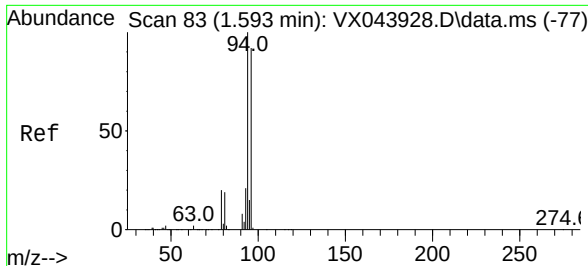
Tgt Ion: 50 Resp: 268770
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1



#4
Vinyl Chloride
Concen: 144.779 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568
Ion Ratio Lower Upper
62 100
64 32.1 26.2 39.4

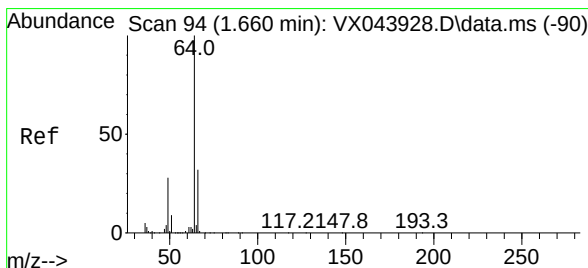
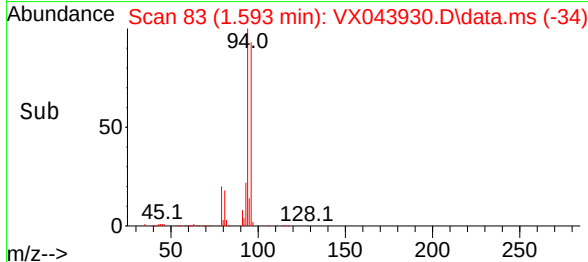
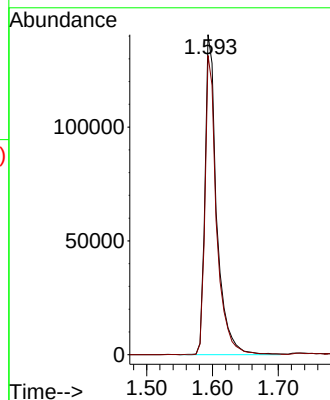
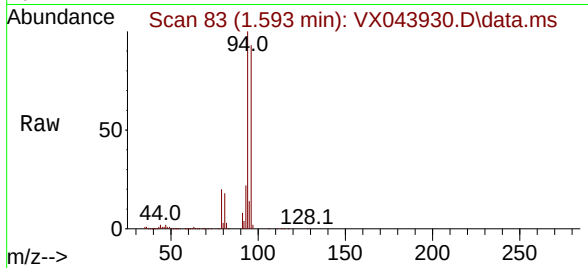




#5
Bromomethane
Concen: 152.160 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

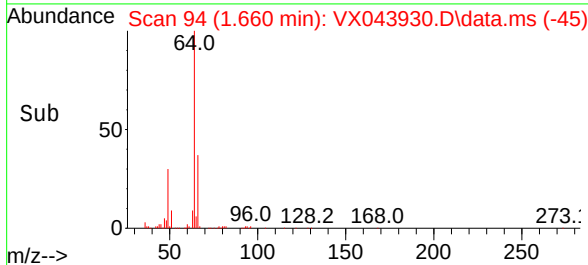
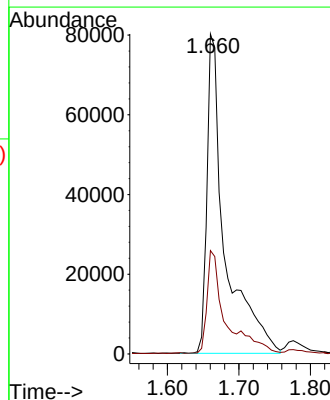
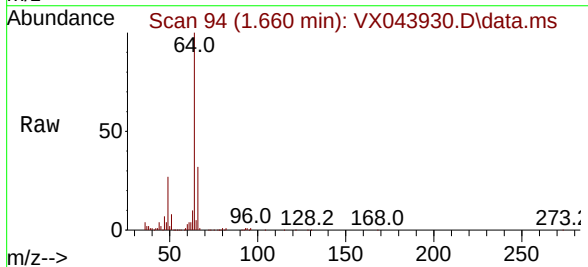
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

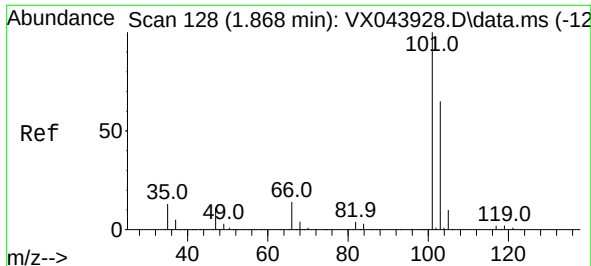
Tgt Ion: 94 Resp: 175581
Ion Ratio Lower Upper
94 100
96 93.5 73.9 110.9



#6
Chloroethane
Concen: 122.817 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375
Ion Ratio Lower Upper
64 100
66 32.0 25.9 38.9

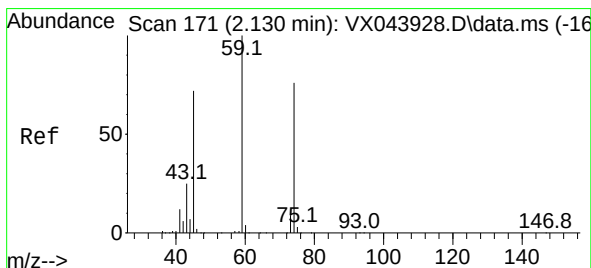
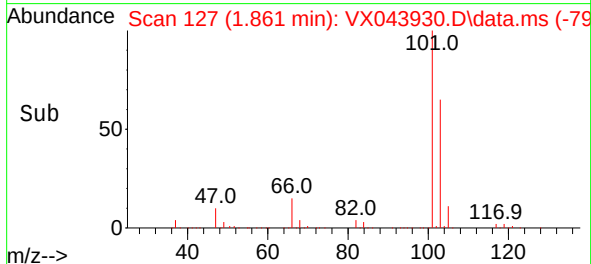
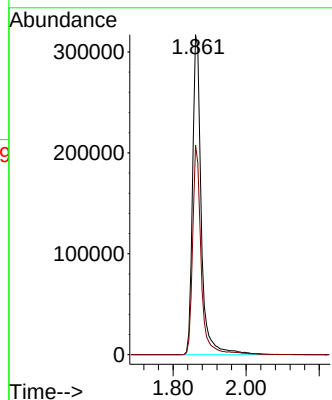
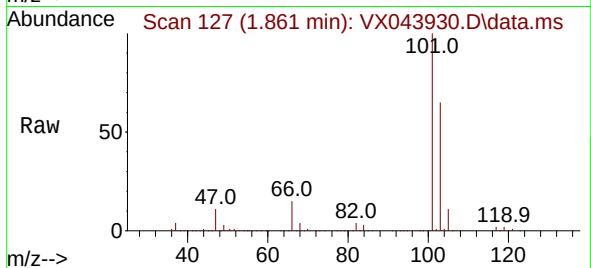




#7
 Trichlorofluoromethane
 Concen: 157.163 ug/l
 RT: 1.861 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX043930.D
 Acq: 21 Nov 2024 12:03

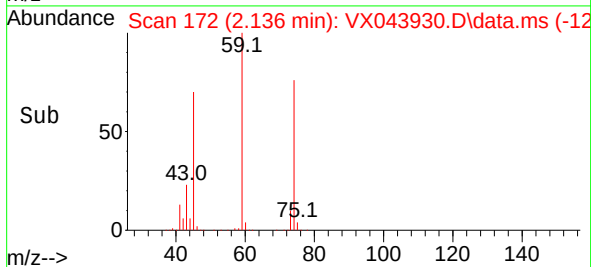
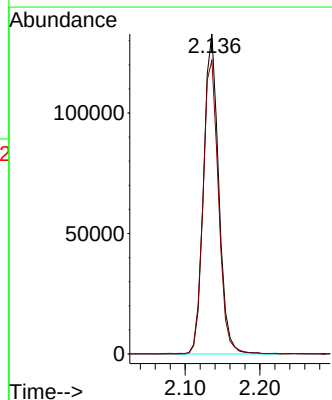
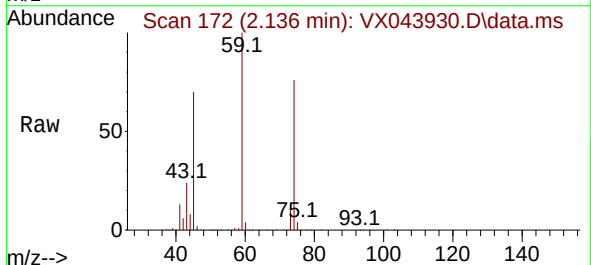
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

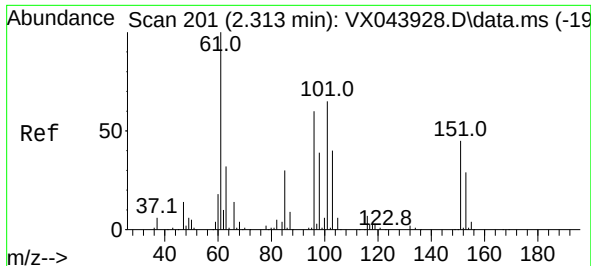
Tgt Ion:101 Resp: 527057
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.2



#8
 Diethyl Ether
 Concen: 151.473 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VX043930.D
 Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.9 143.6

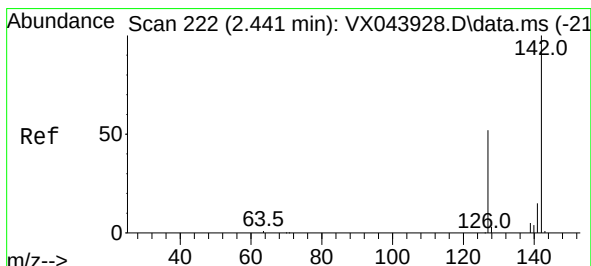
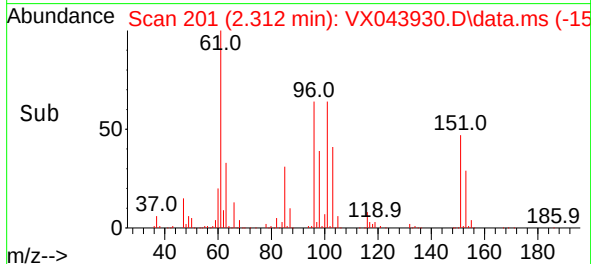
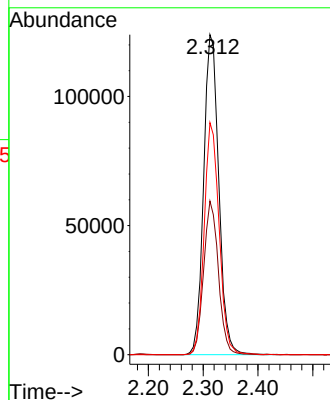
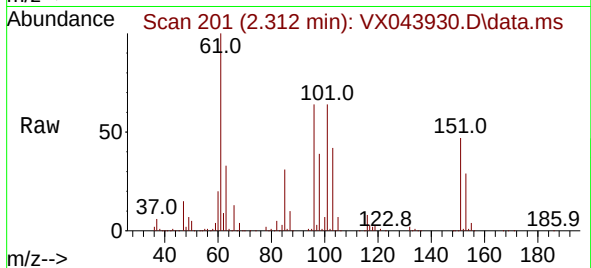




#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.564 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

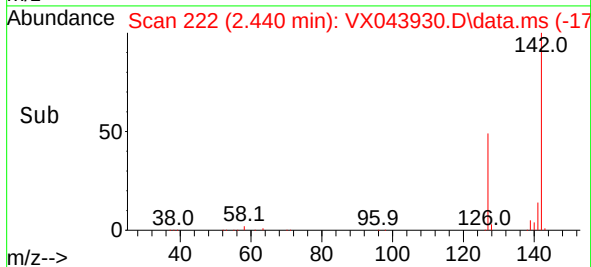
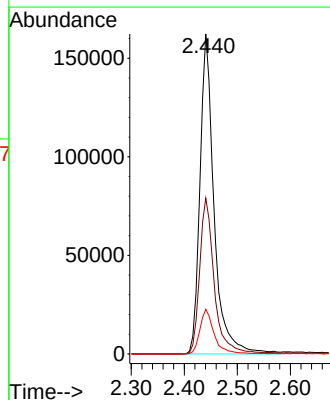
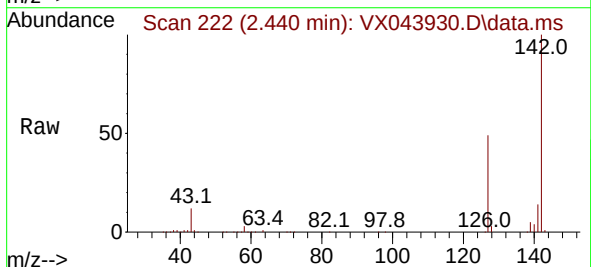
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

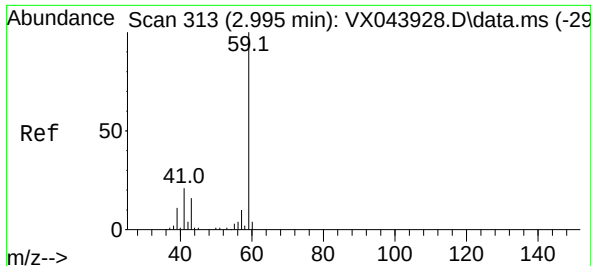
Tgt Ion:101 Resp: 237653
Ion Ratio Lower Upper
101 100
85 46.8 37.9 56.9
151 71.3 57.5 86.3



#10
Methyl Iodide
Concen: 150.056 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792
Ion Ratio Lower Upper
142 100
127 50.1 40.7 61.1
141 14.2 12.0 18.0





#11

Tert butyl alcohol

Concen: 840.696 ug/l

RT: 3.014 min Scan# 313

Delta R.T. 0.018 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

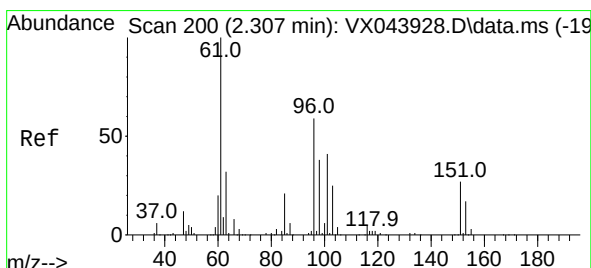
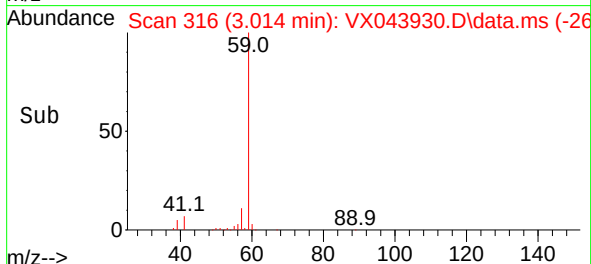
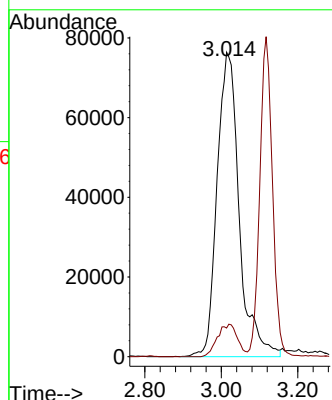
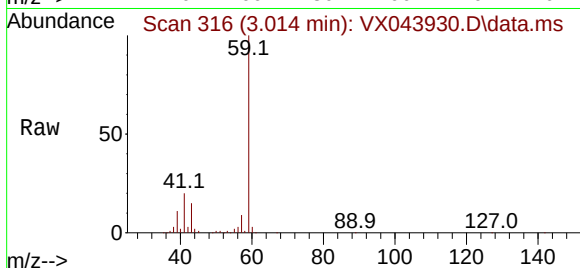
VSTDIC150

Tgt Ion: 59 Resp: 306168

Ion Ratio Lower Upper

59 100

57 9.8 7.9 11.9



#12

1,1-Dichloroethene

Concen: 149.905 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

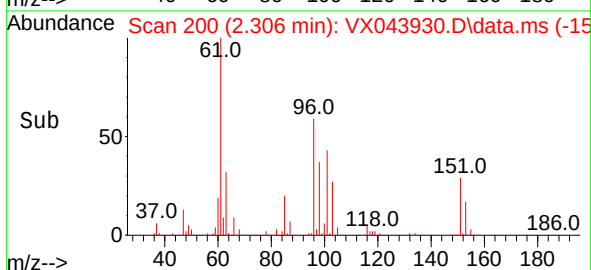
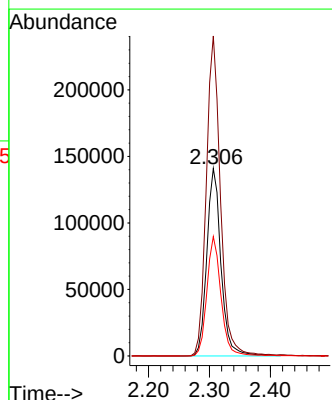
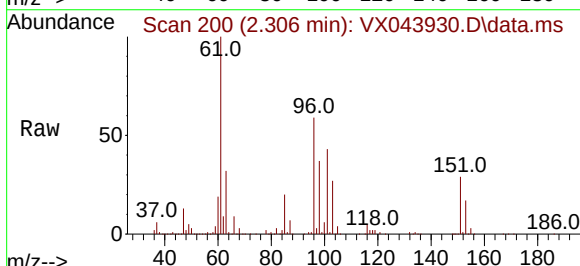
Tgt Ion: 96 Resp: 228504

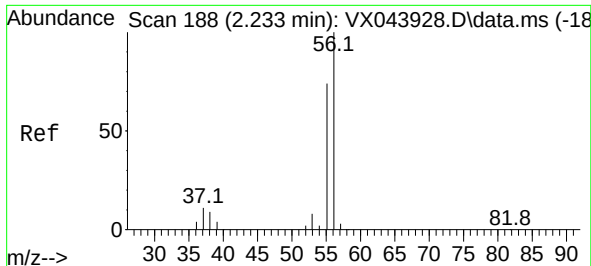
Ion Ratio Lower Upper

96 100

61 170.7 135.5 203.3

98 63.7 50.8 76.2

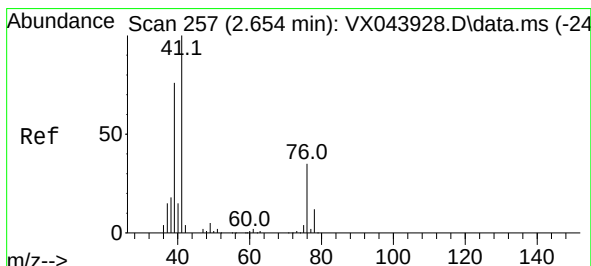
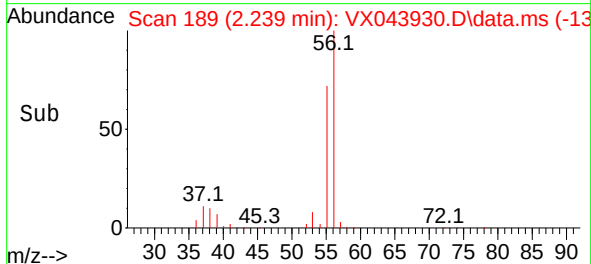
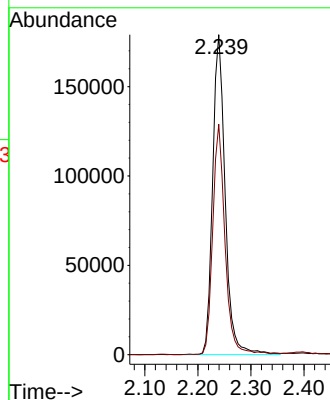
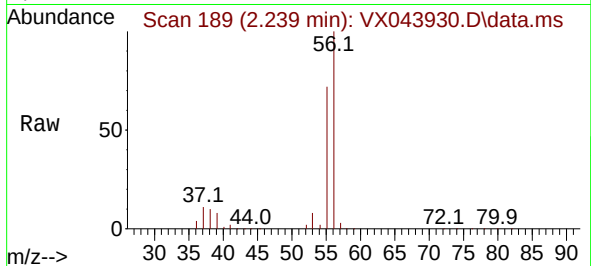




#13
Acrolein
Concen: 767.557 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

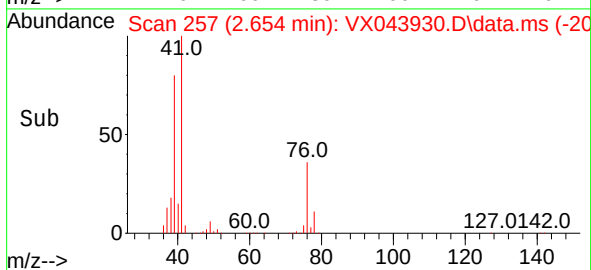
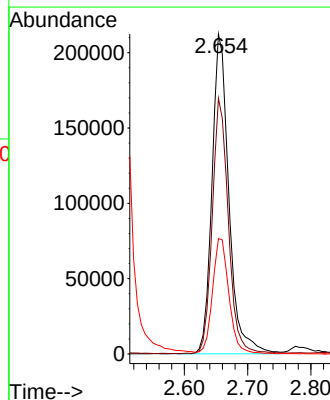
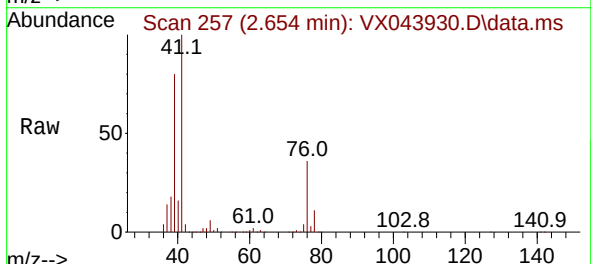
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

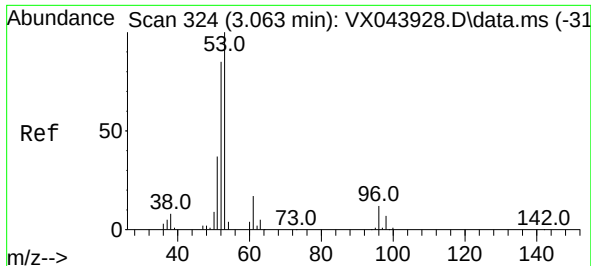
Tgt Ion: 56 Resp: 294638
Ion Ratio Lower Upper
56 100
55 70.1 58.2 87.2



#14
Allyl chloride
Concen: 158.278 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228
Ion Ratio Lower Upper
41 100
39 76.1 59.5 89.3
76 35.2 27.4 41.2





#15

Acrylonitrile

Concen: 770.903 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

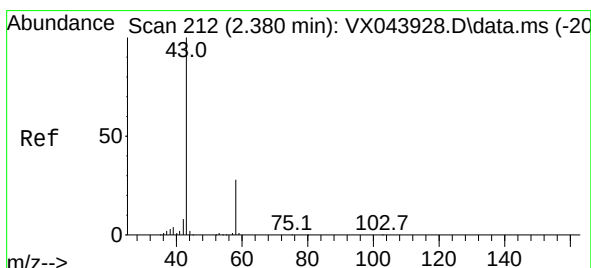
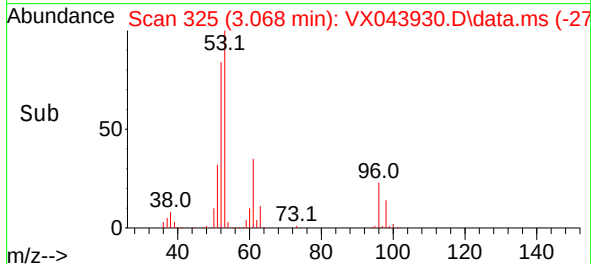
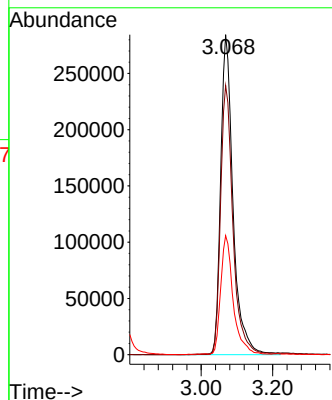
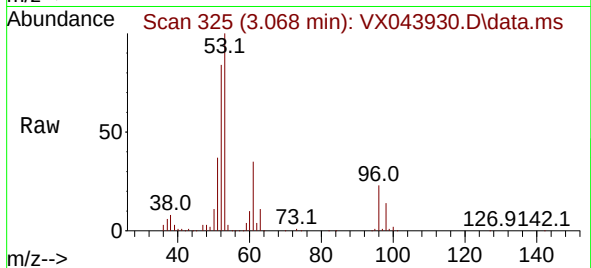
Tgt Ion: 53 Resp: 684169

Ion Ratio Lower Upper

53 100

52 83.9 66.5 99.7

51 37.1 30.2 45.4



#16

Acetone

Concen: 704.500 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX043930.D

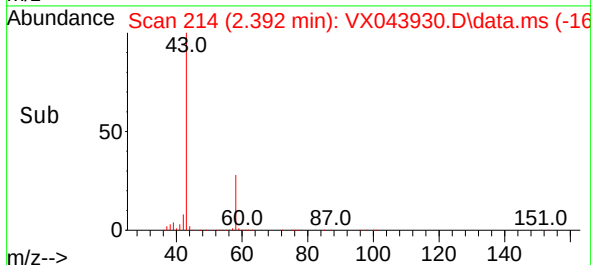
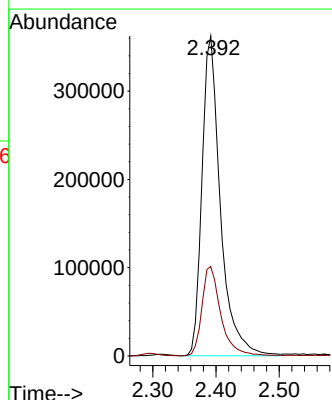
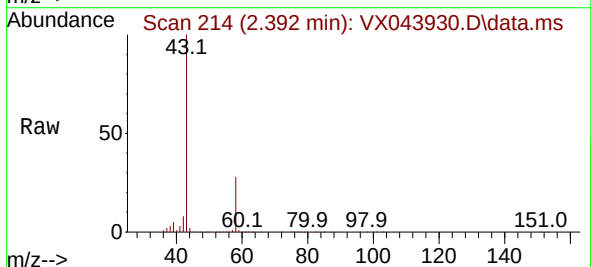
Acq: 21 Nov 2024 12:03

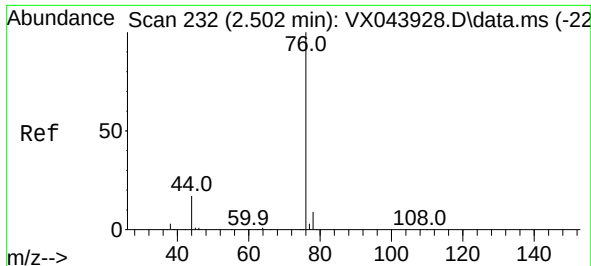
Tgt Ion: 43 Resp: 734161

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1

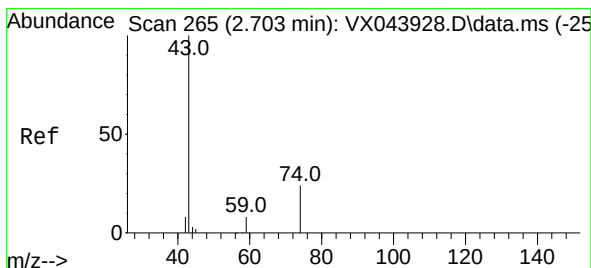
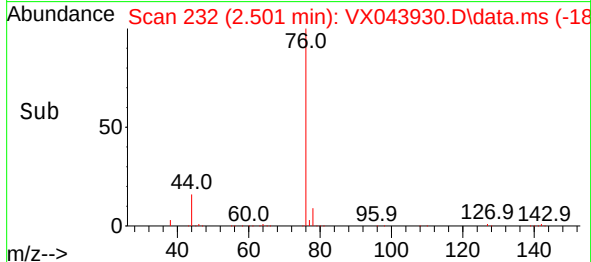
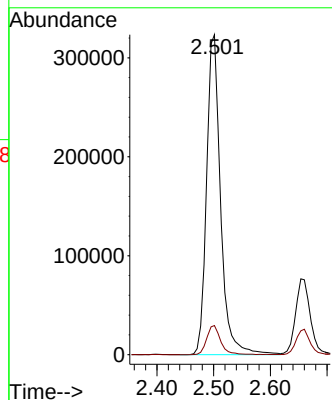
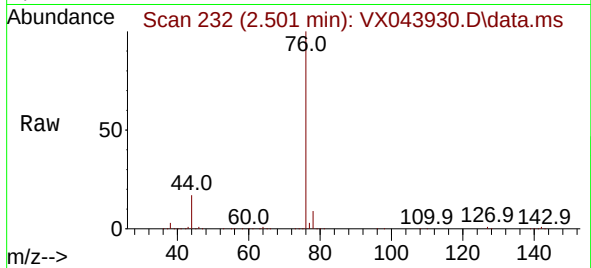




#17
Carbon Disulfide
Concen: 176.465 ug/l
RT: 2.501 min Scan# 241
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

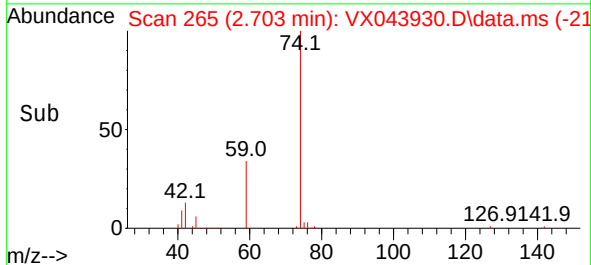
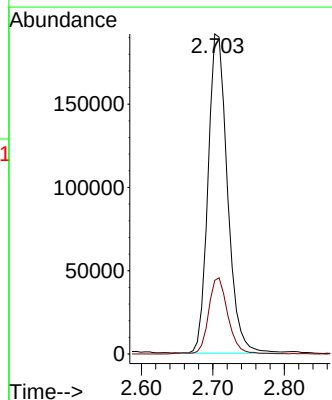
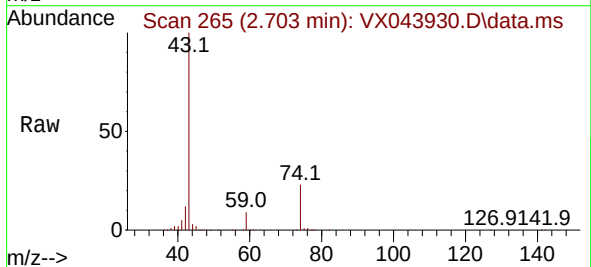
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

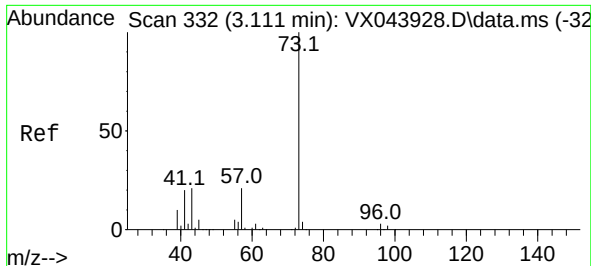
Tgt Ion: 76 Resp: 554853
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 148.895 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 157.161 ug/l

RT: 3.117 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

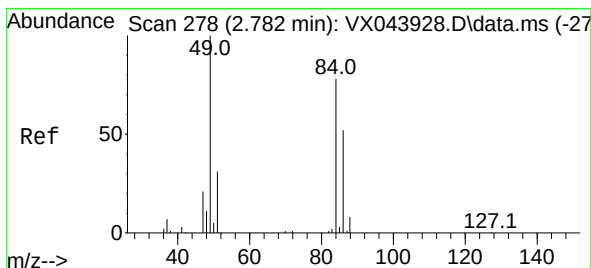
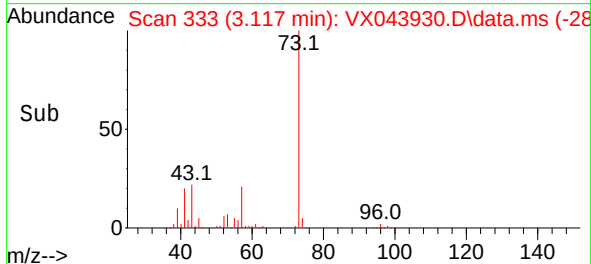
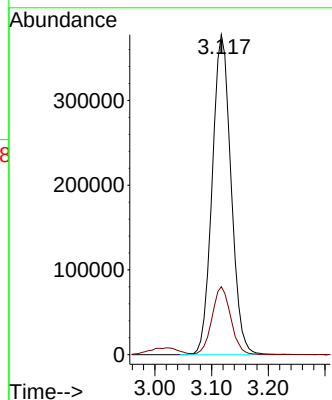
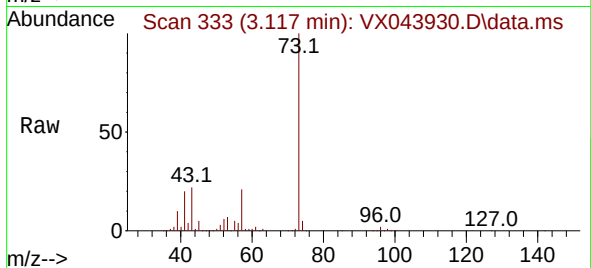
VSTDIC150

Tgt Ion: 73 Resp: 869848

Ion Ratio Lower Upper

73 100

57 21.2 17.0 25.6



#20

Methylene Chloride

Concen: 147.078 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

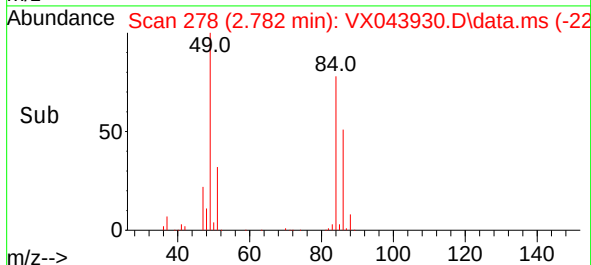
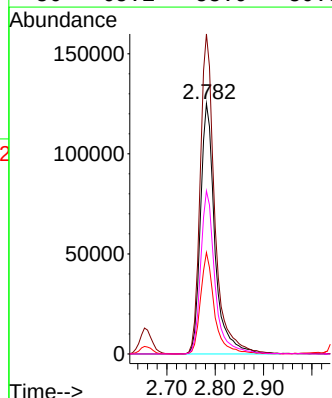
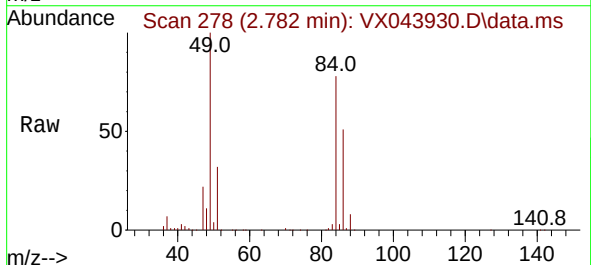
Ion Ratio Lower Upper

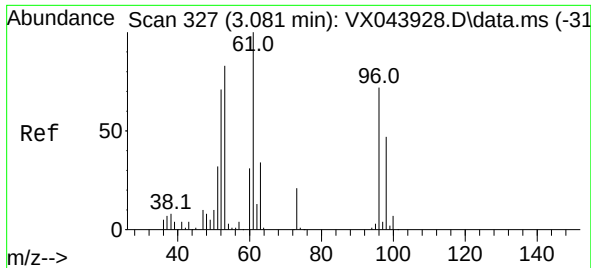
84 100

49 127.7 102.7 154.1

51 40.5 31.7 47.5

86 65.1 53.9 80.9

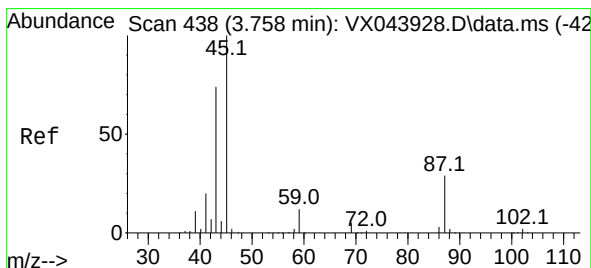
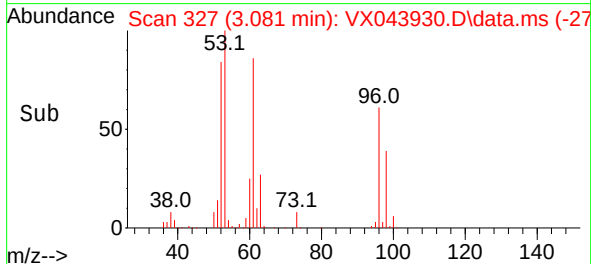
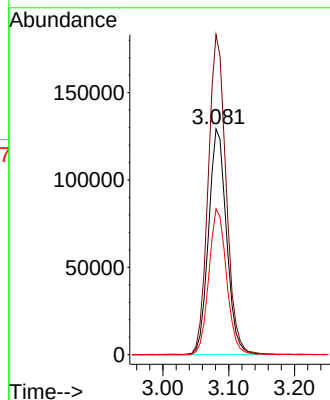
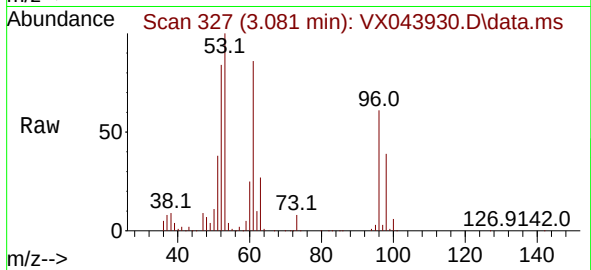




#21
trans-1,2-Dichloroethene
Concen: 155.985 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

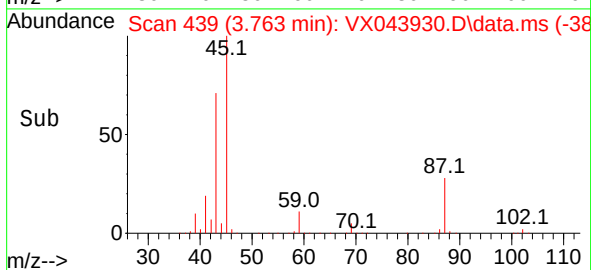
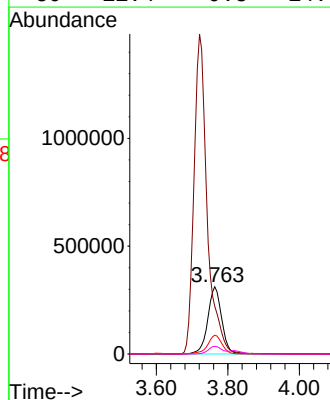
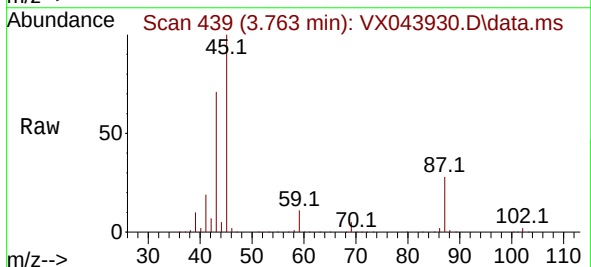
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

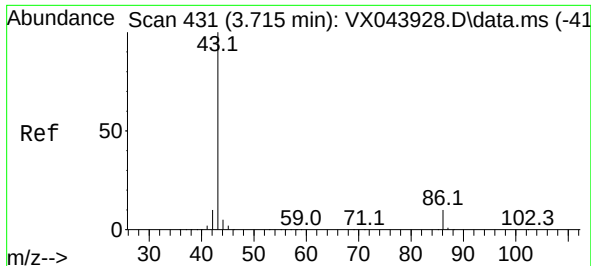
Tgt Ion: 96 Resp: 245485
Ion Ratio Lower Upper
96 100
61 141.6 111.8 167.6
98 64.6 52.7 79.1



#22
Diisopropyl ether
Concen: 156.960 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960
Ion Ratio Lower Upper
45 100
43 70.8 59.6 89.4
87 27.8 22.9 34.3
59 11.4 9.8 14.6

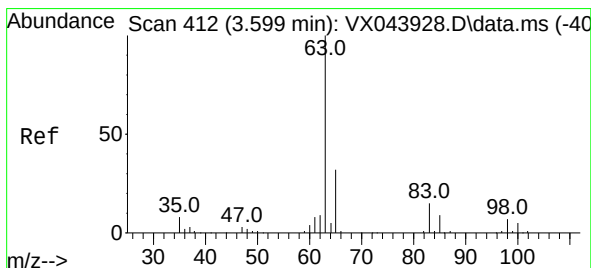
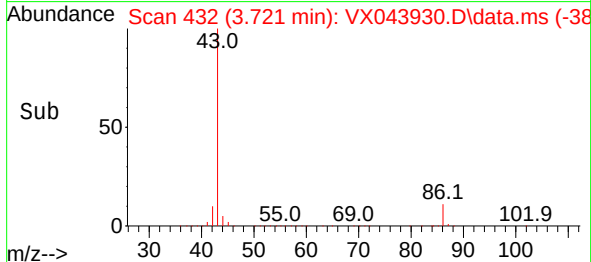
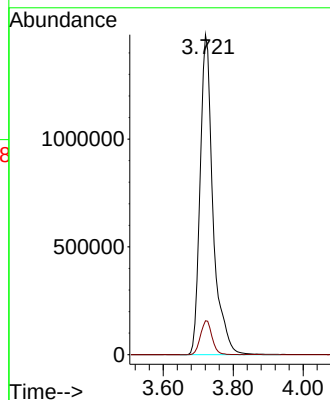
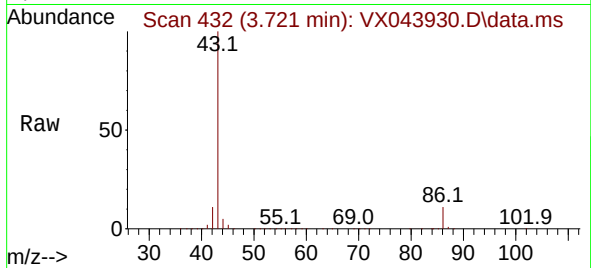




#23
 Vinyl Acetate
 Concen: 833.608 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX043930.D
 Acq: 21 Nov 2024 12:03

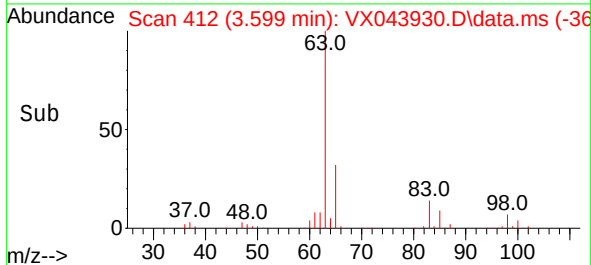
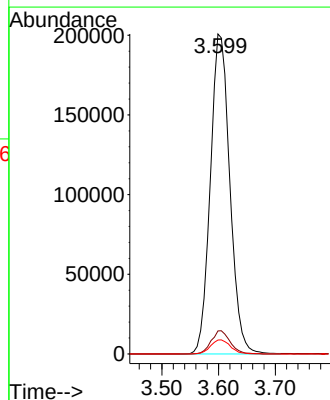
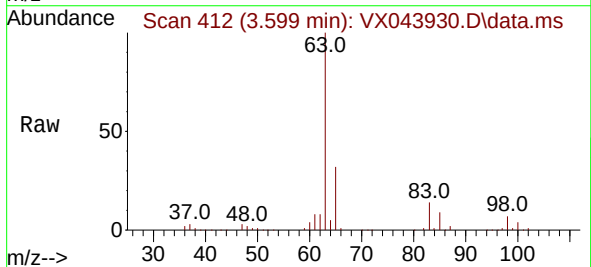
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

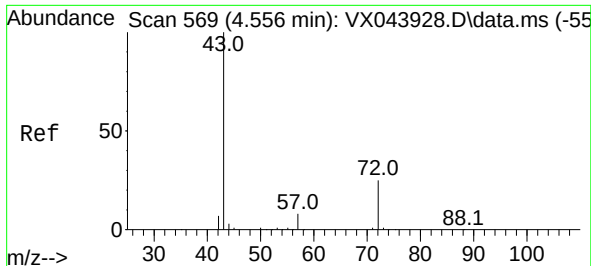
Tgt Ion: 43 Resp: 3797951
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 156.091 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VX043930.D
 Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.6
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 753.134 ug/l

RT: 4.568 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

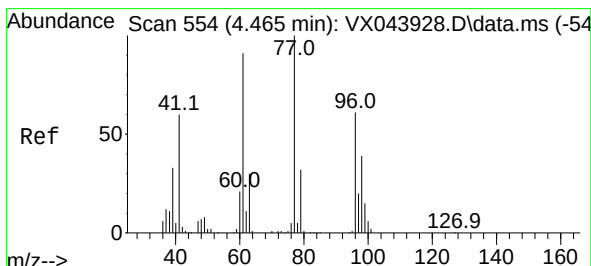
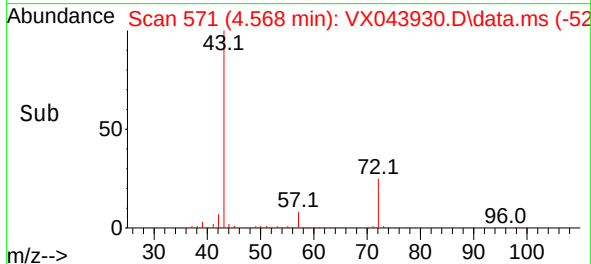
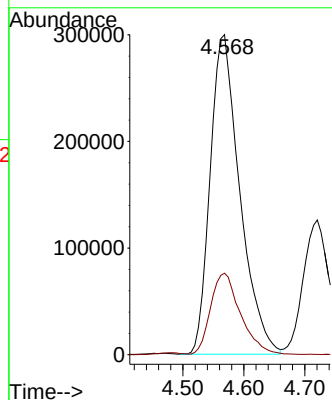
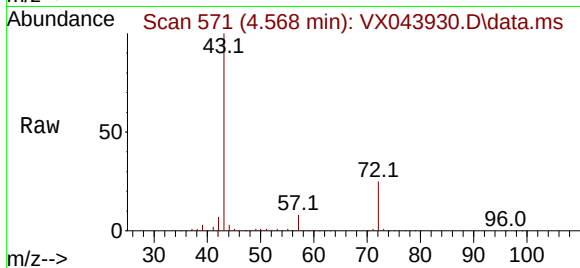
VSTDICC150

Tgt Ion: 43 Resp: 1012692

Ion Ratio Lower Upper

43 100

72 25.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 158.591 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043930.D

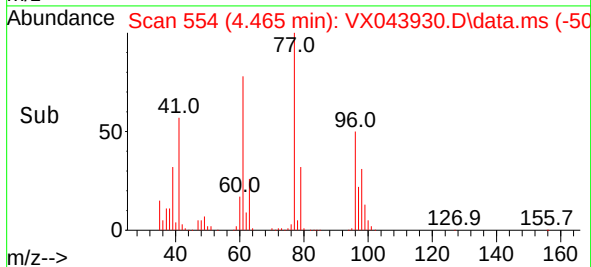
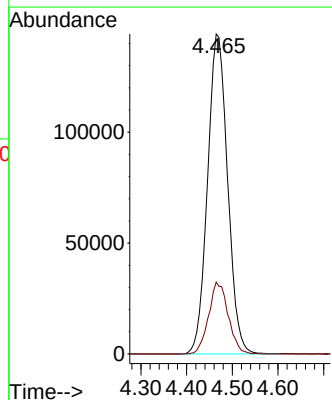
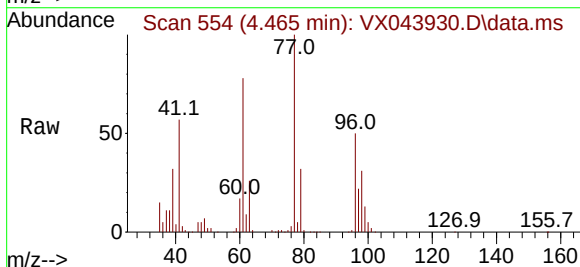
Acq: 21 Nov 2024 12:03

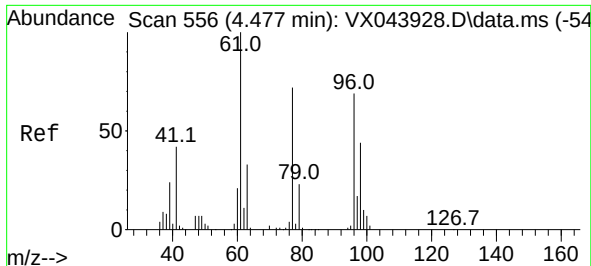
Tgt Ion: 77 Resp: 440061

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.3

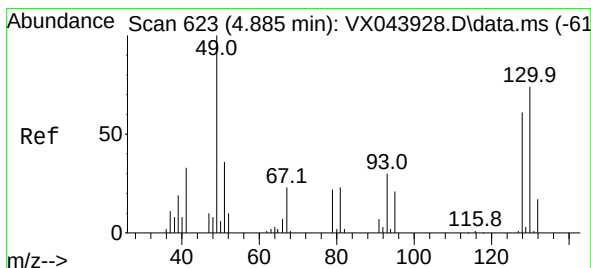
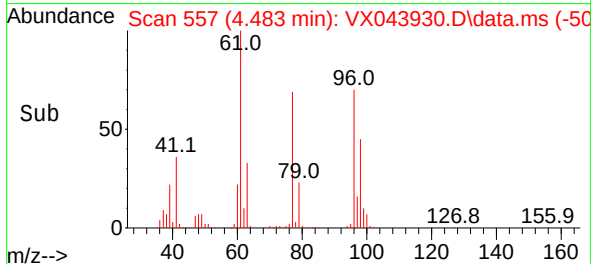
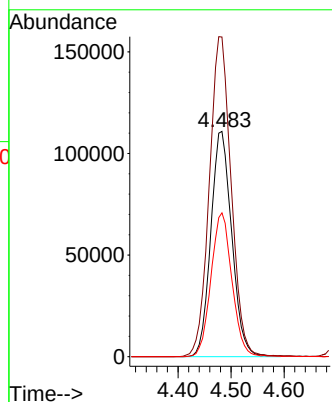
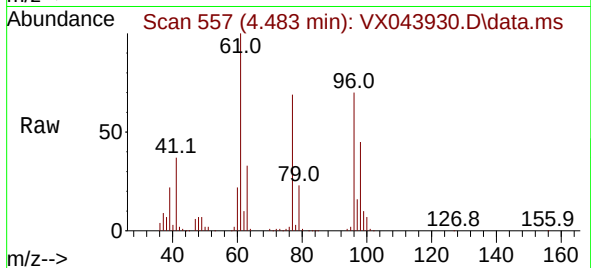




#27
cis-1,2-Dichloroethene
Concen: 156.447 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

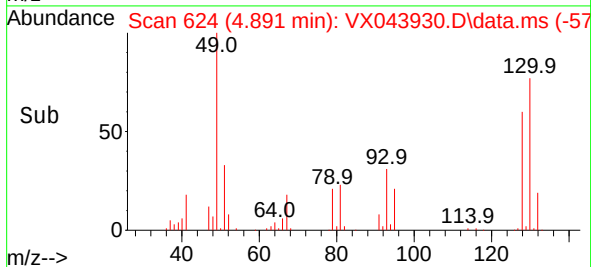
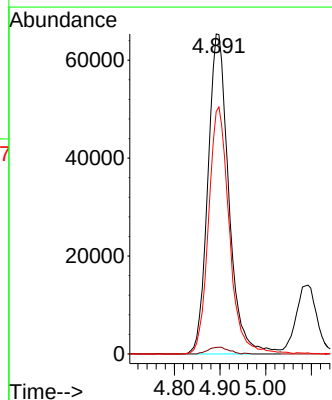
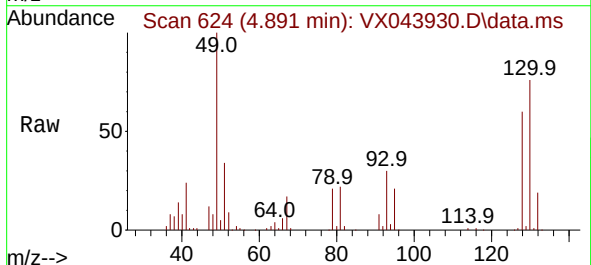
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

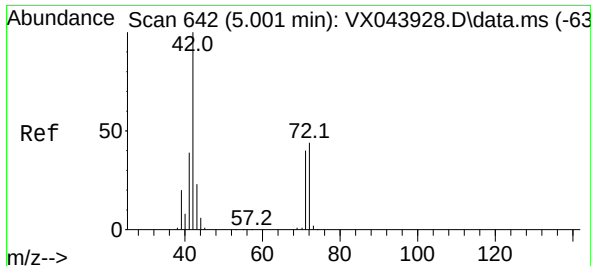
Tgt Ion: 96 Resp: 304342
Ion Ratio Lower Upper
96 100
61 148.2 0.0 297.4
98 63.8 0.0 127.8



#28
Bromochloromethane
Concen: 153.614 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 76.4 59.0 88.6



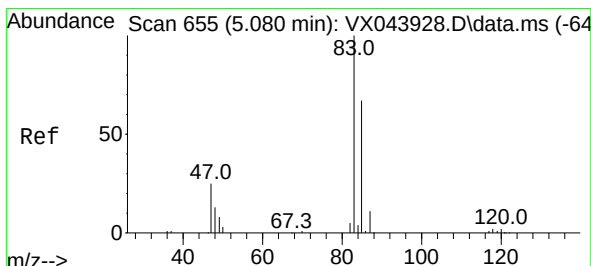
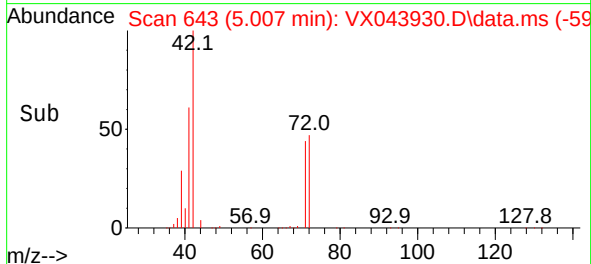
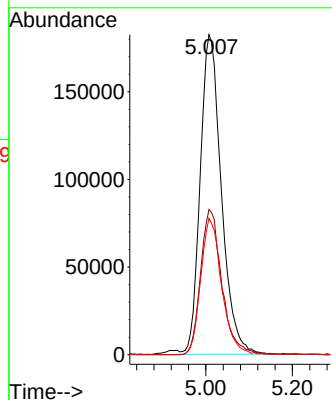
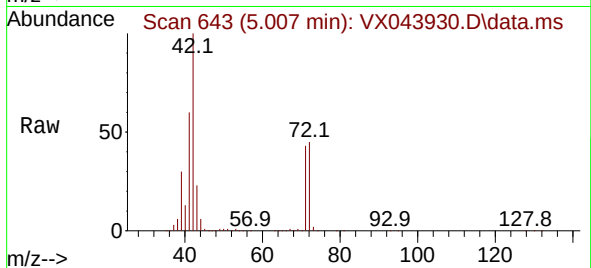


#29
Tetrahydrofuran
Concen: 748.806 ug/l
RT: 5.007 min Scan# 642
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 617277

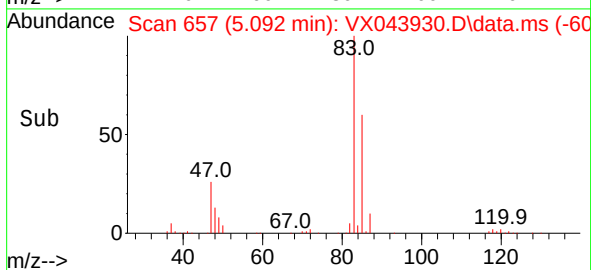
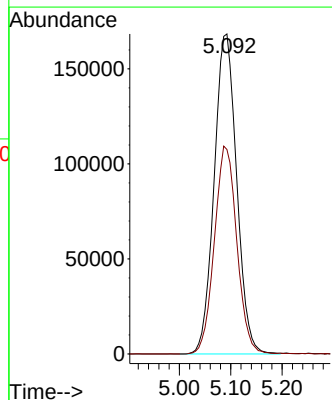
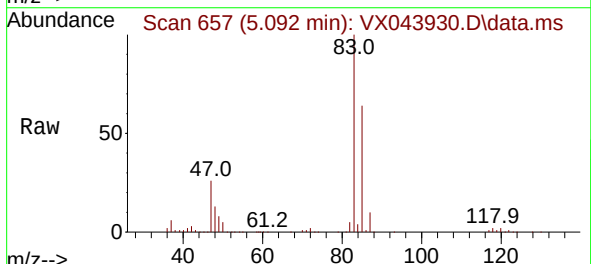
Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.4	54.6
71	42.3	33.4	50.0

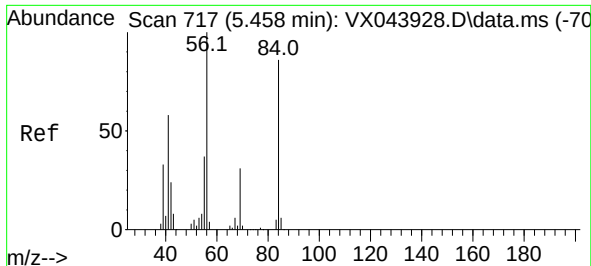


#30
Chloroform
Concen: 155.325 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 513285

Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.5	80.3

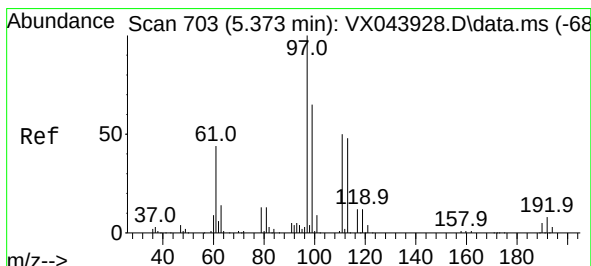
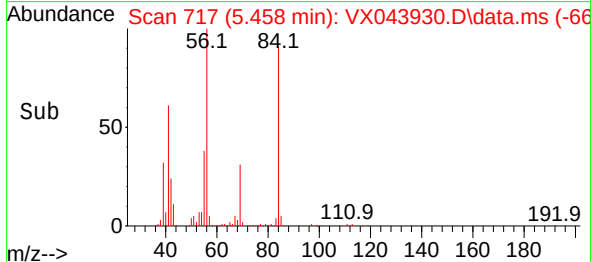
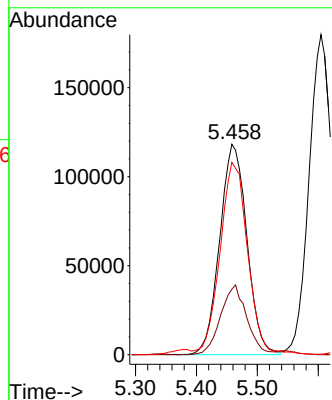
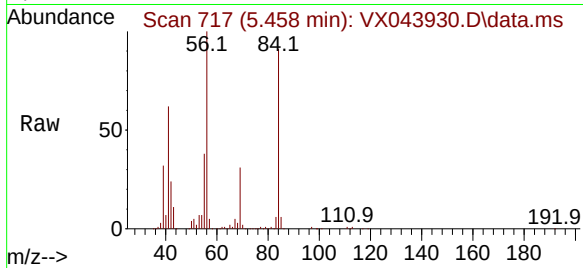




#31
Cyclohexane
Concen: 145.191 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

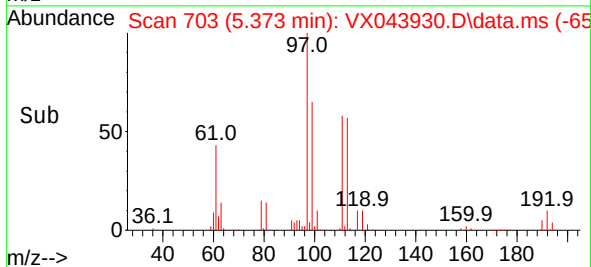
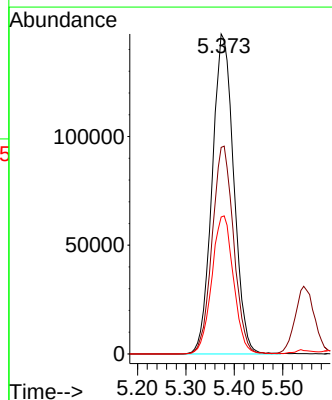
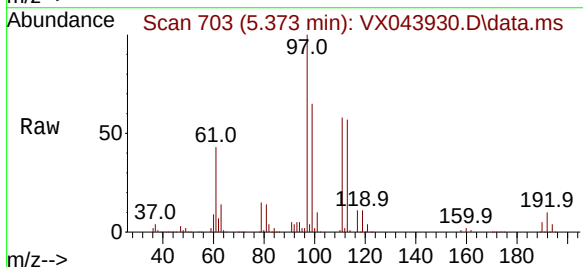
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

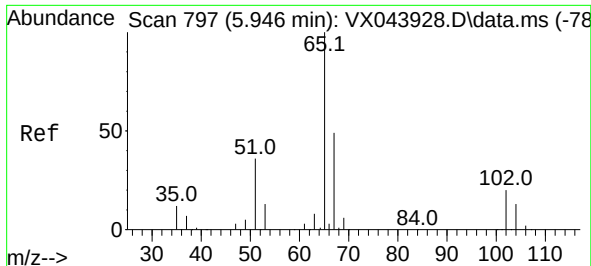
Tgt Ion: 56 Resp: 367157
Ion Ratio Lower Upper
56 100
69 31.1 24.7 37.1
84 89.9 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 159.987 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922
Ion Ratio Lower Upper
97 100
99 64.7 50.8 76.2
61 43.5 35.4 53.2

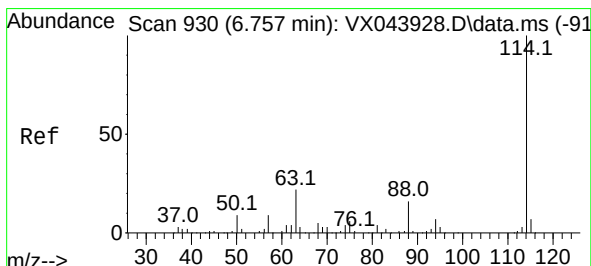
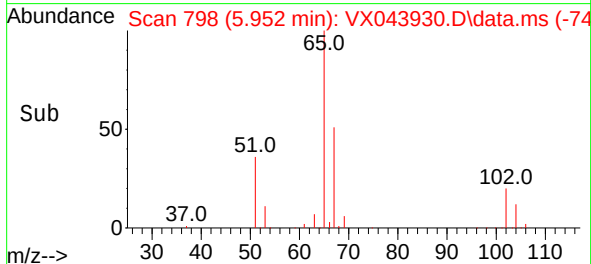
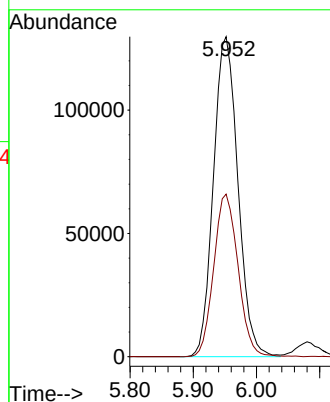
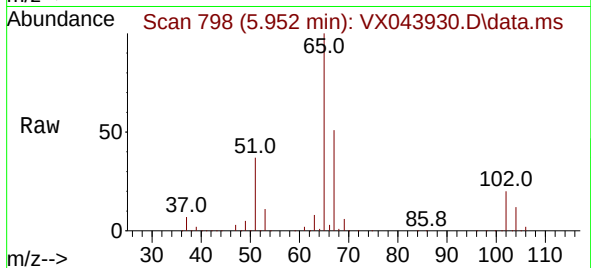




#33
1,2-Dichloroethane-d4
Concen: 153.852 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

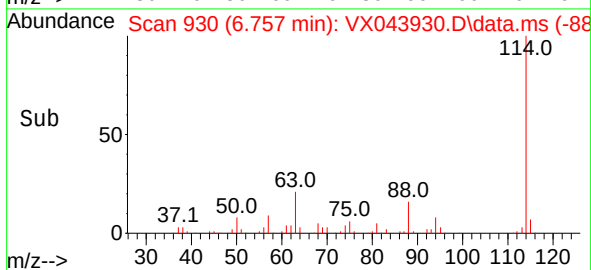
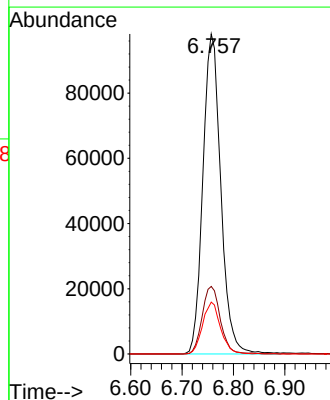
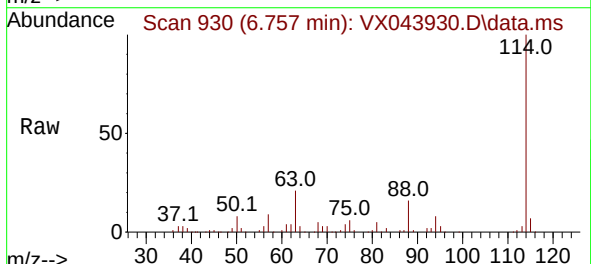
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

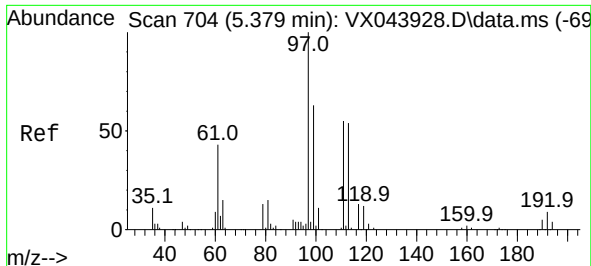
Tgt Ion: 65 Resp: 349080
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 114 Resp: 237642
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.0
88 16.2 0.0 32.4

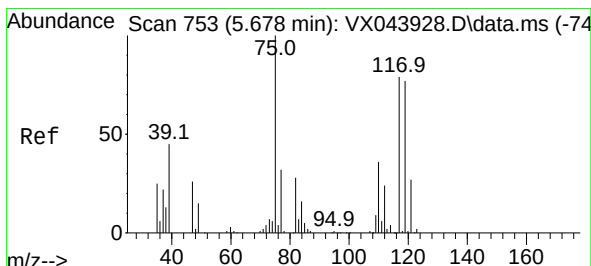
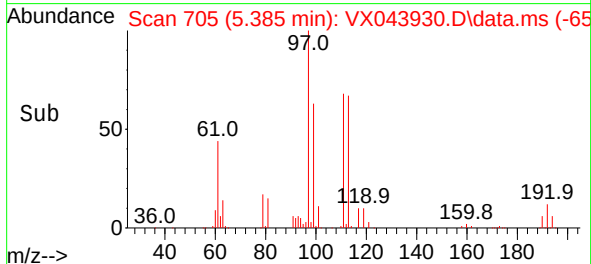
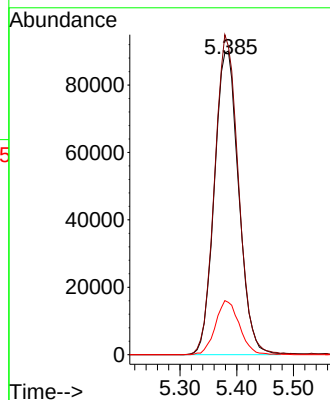
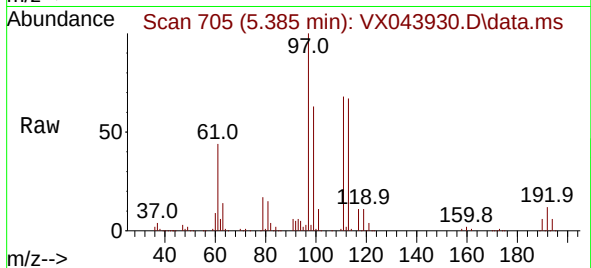




#35
Dibromofluoromethane
Concen: 157.906 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

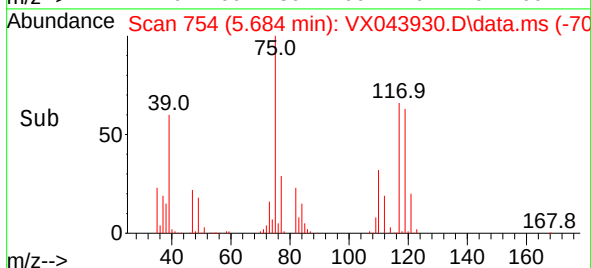
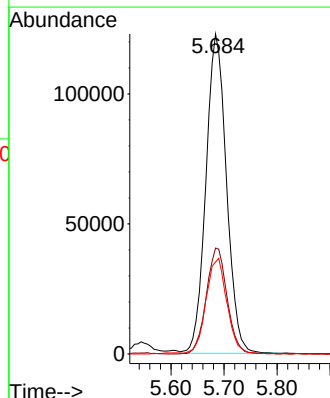
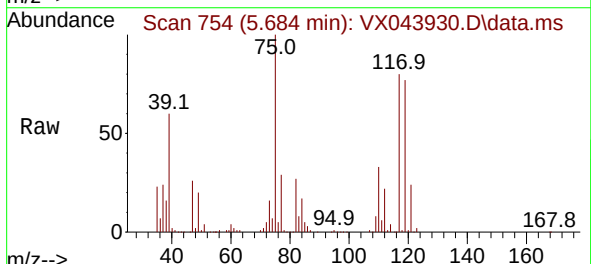
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

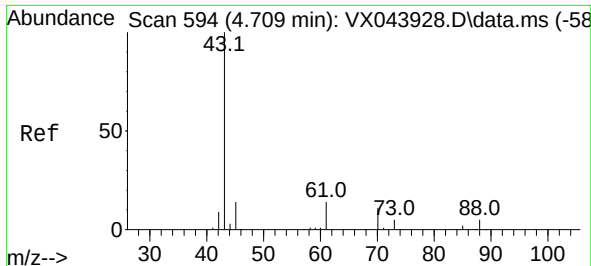
Tgt Ion:113 Resp: 268135
Ion Ratio Lower Upper
113 100
111 103.4 81.0 121.4
192 17.6 13.0 19.6



#36
1,1-Dichloropropene
Concen: 156.540 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 331239
Ion Ratio Lower Upper
75 100
110 33.6 17.4 52.2
77 30.3 25.8 38.8





#37

Ethyl Acetate

Concen: 149.876 ug/l

RT: 4.721 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

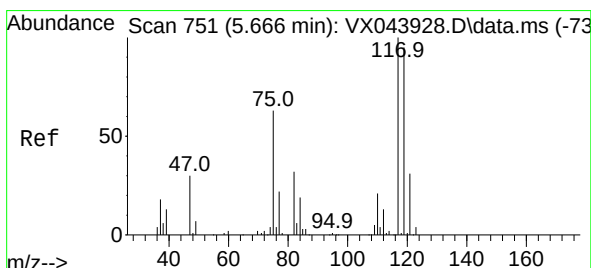
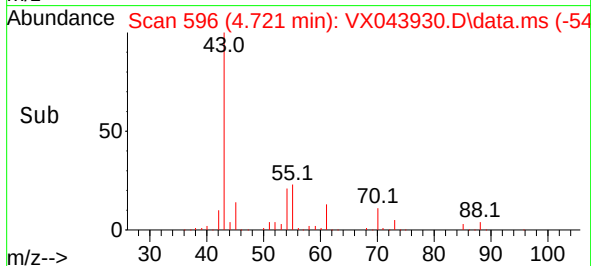
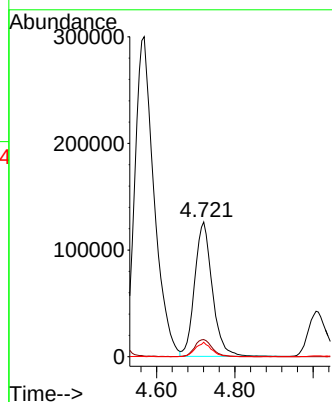
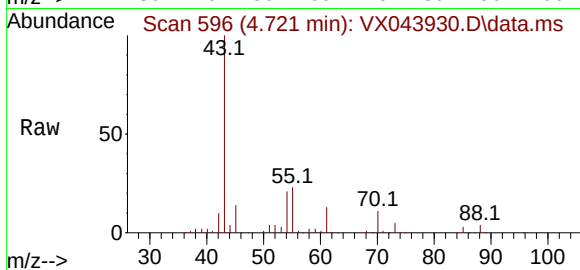
Tgt Ion: 43 Resp: 393670

Ion Ratio Lower Upper

43 100

61 13.0 10.7 16.1

70 9.9 8.0 12.0



#38

Carbon Tetrachloride

Concen: 158.262 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

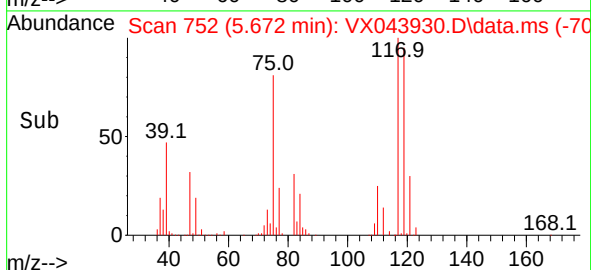
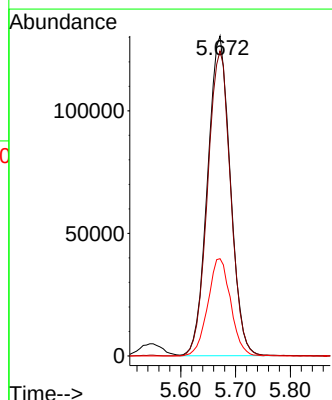
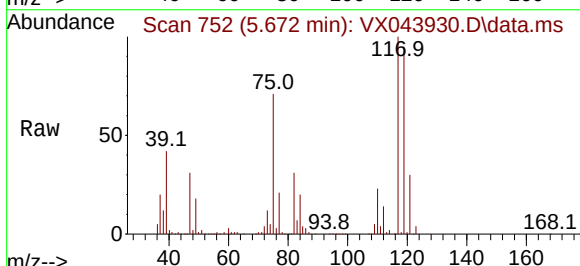
Tgt Ion: 117 Resp: 376287

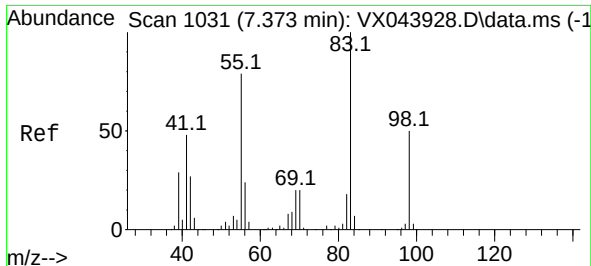
Ion Ratio Lower Upper

117 100

119 95.3 75.2 112.8

121 30.4 24.5 36.7





#39

Methylcyclohexane

Concen: 149.269 ug/l

RT: 7.372 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

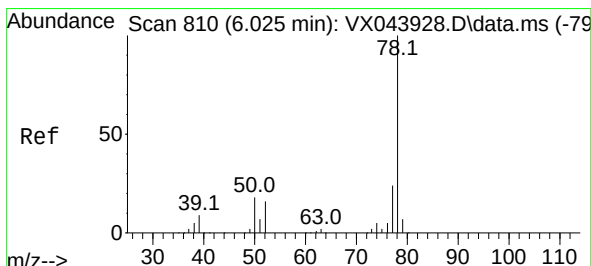
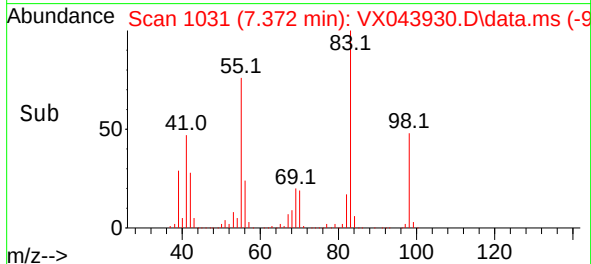
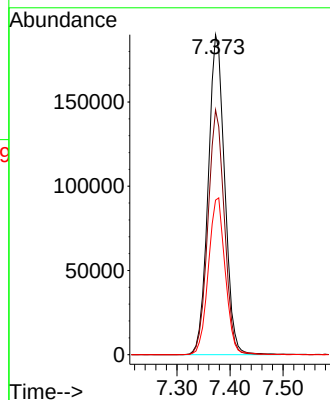
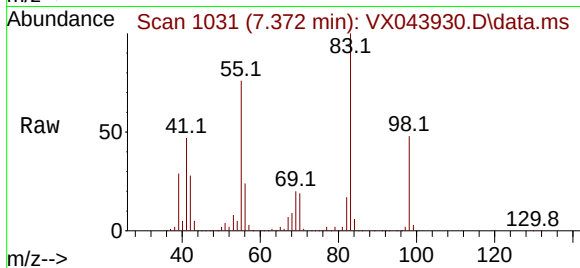
Tgt Ion: 83 Resp: 410333

Ion Ratio Lower Upper

83 100

55 76.4 63.1 94.7

98 48.3 40.0 60.0



#40

Benzene

Concen: 151.598 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043930.D

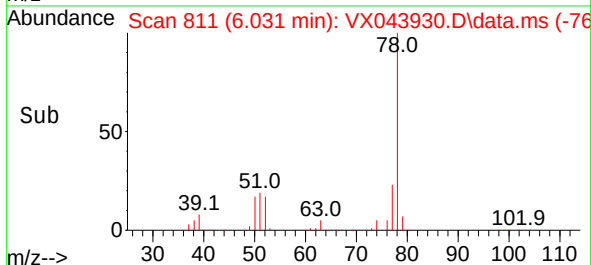
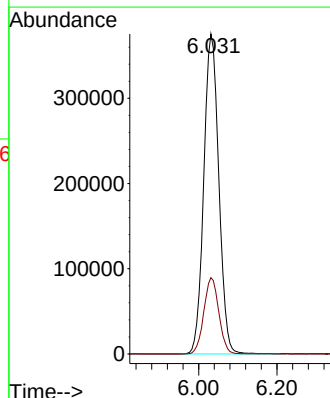
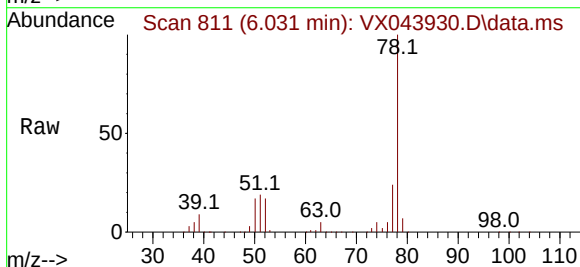
Acq: 21 Nov 2024 12:03

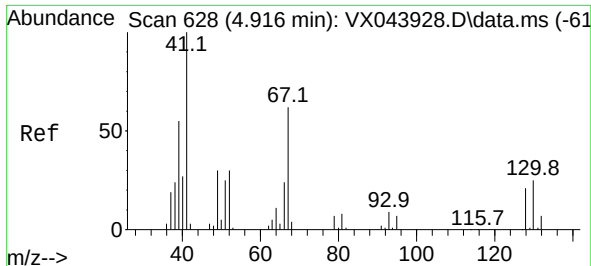
Tgt Ion: 78 Resp: 999210

Ion Ratio Lower Upper

78 100

77 23.9 19.2 28.8

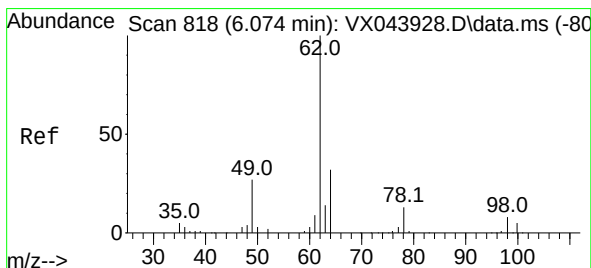
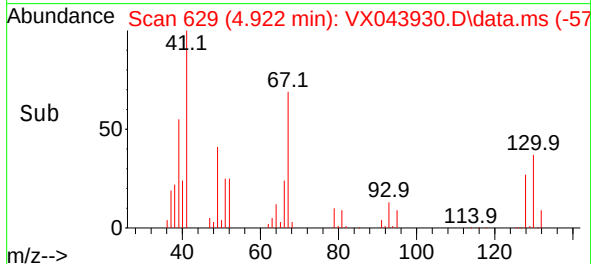
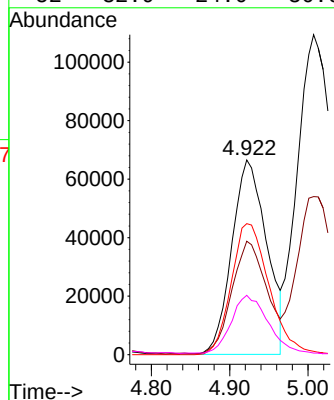
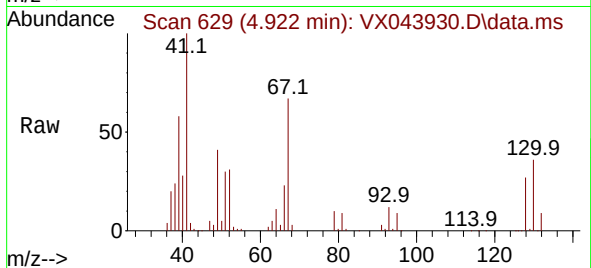




#41
Methacrylonitrile
Concen: 153.252 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

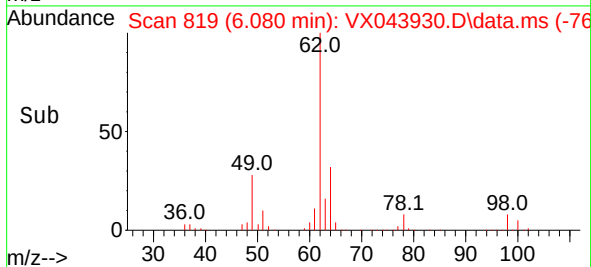
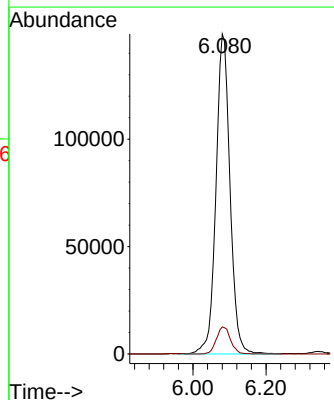
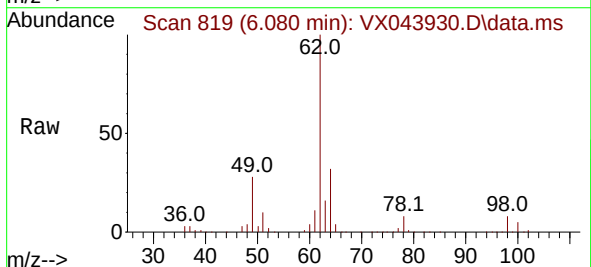
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

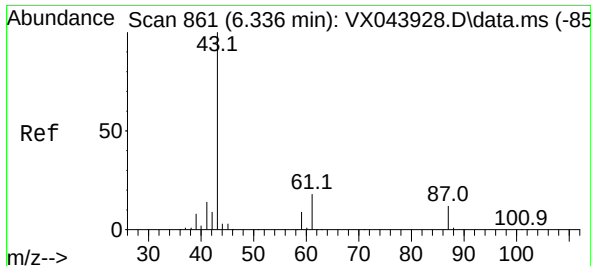
Tgt Ion:	41	Resp:	206026
Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.7	62.5
67	73.5	55.8	83.8
52	32.9	24.0	36.0



#42
1,2-Dichloroethane
Concen: 150.163 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:	62	Resp:	397508
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4

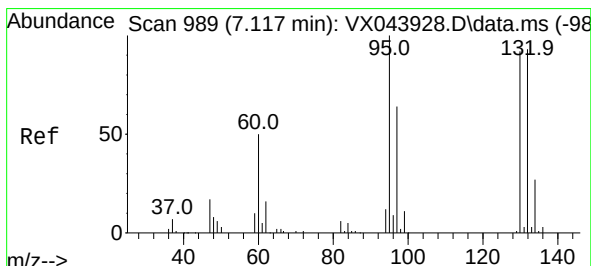
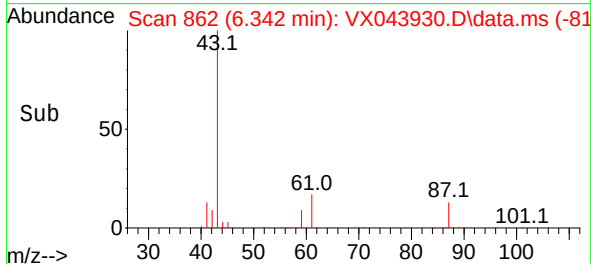
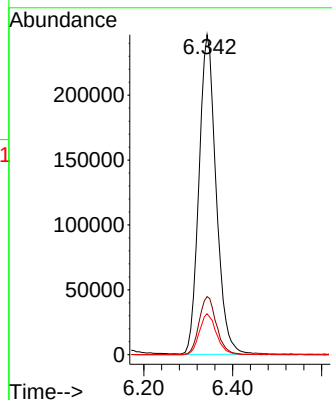
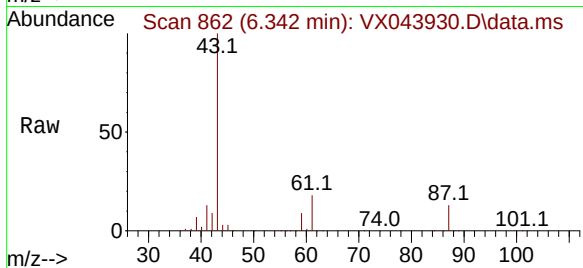




#43
Isopropyl Acetate
Concen: 158.329 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

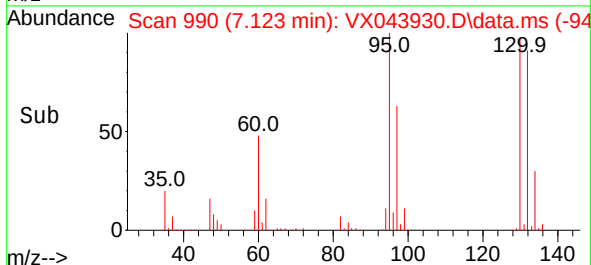
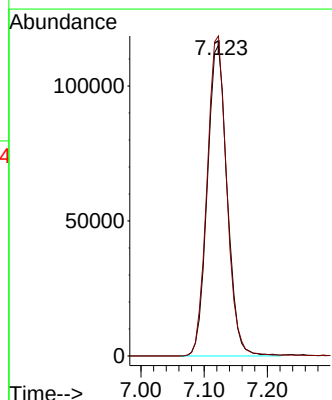
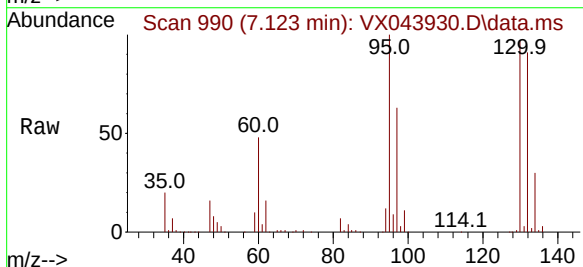
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

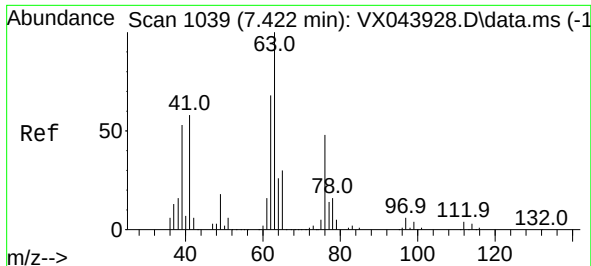
Tgt Ion: 43 Resp: 661839
Ion Ratio Lower Upper
43 100
61 18.4 14.5 21.7
87 12.7 10.2 15.2



#44
Trichloroethene
Concen: 134.559 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071
Ion Ratio Lower Upper
130 100
95 103.0 0.0 217.8





#45

1,2-Dichloropropane

Concen: 154.486 ug/l

RT: 7.427 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

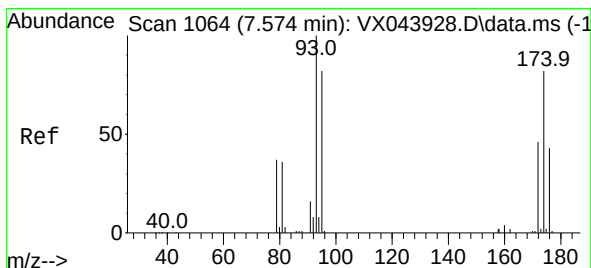
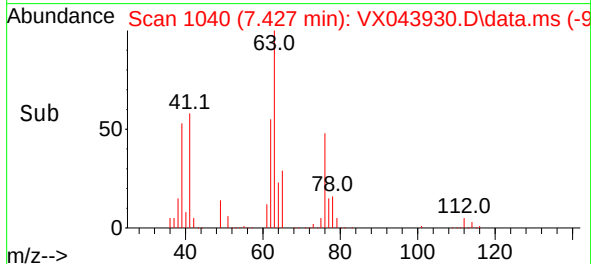
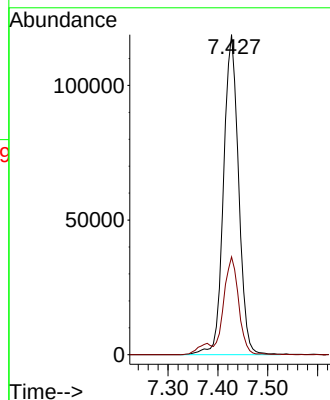
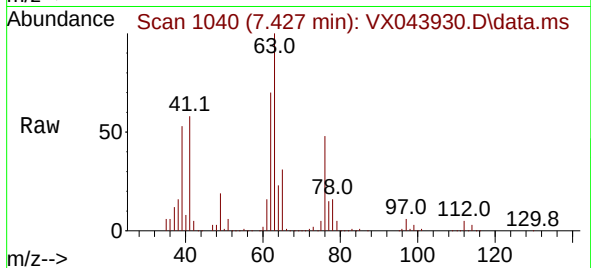
VSTDICC150

Tgt Ion: 63 Resp: 249394

Ion Ratio Lower Upper

63 100

65 30.5 23.8 35.6



#46

Dibromomethane

Concen: 158.440 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

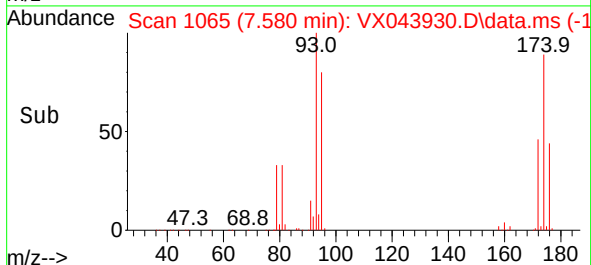
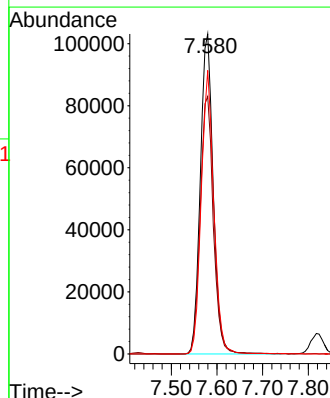
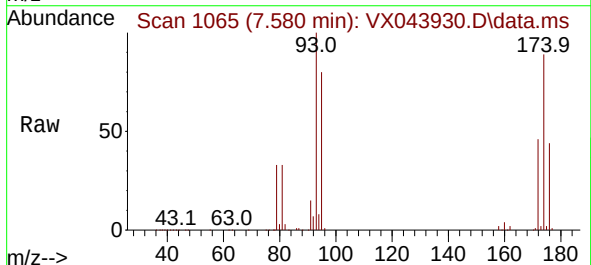
Tgt Ion: 93 Resp: 202329

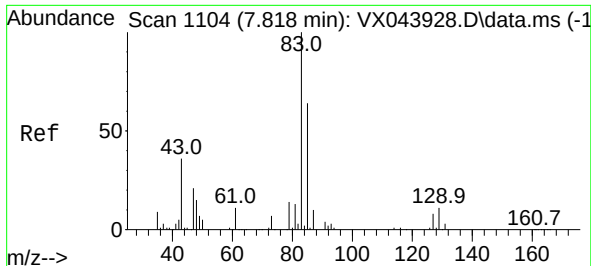
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.4

174 86.4 69.6 104.4

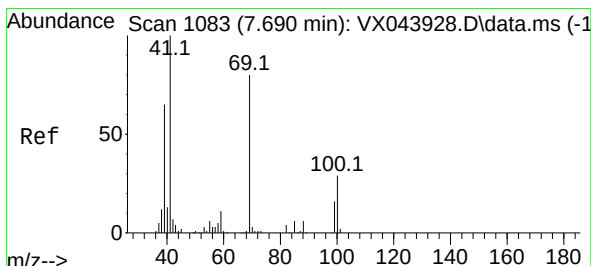
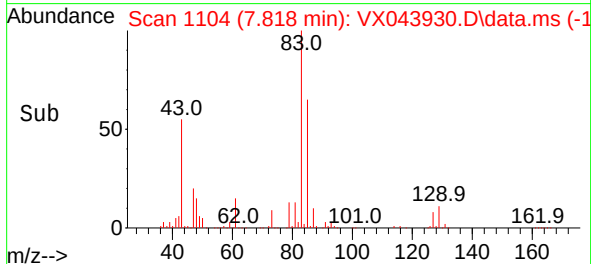
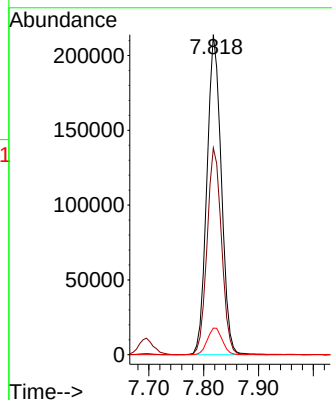
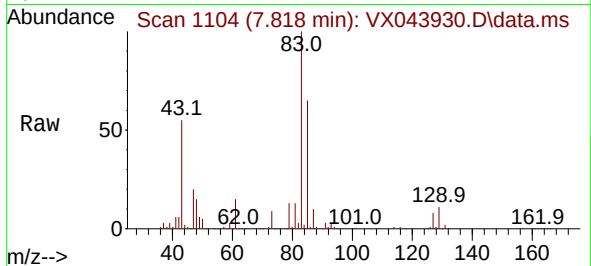




#47
Bromodichloromethane
Concen: 169.524 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

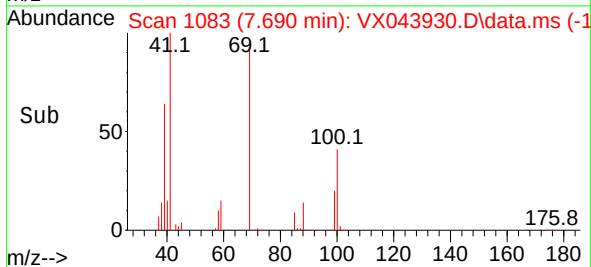
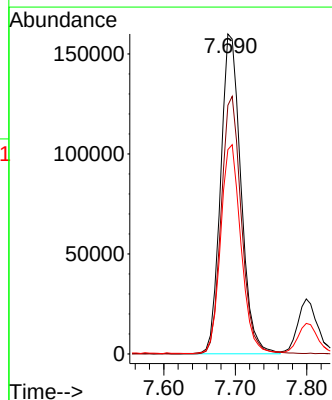
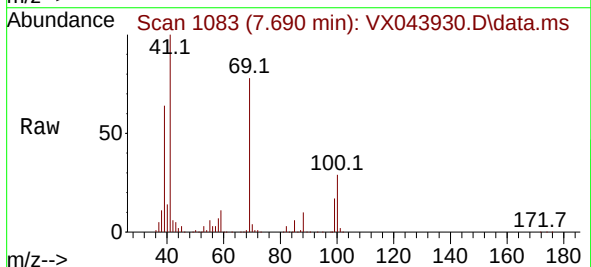
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

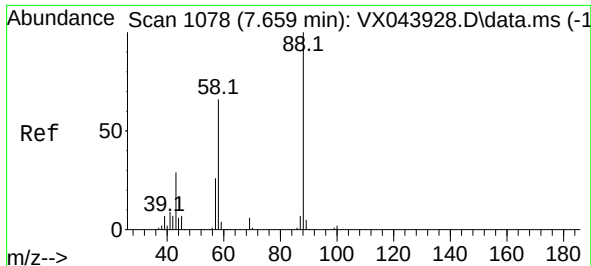
Tgt Ion: 83 Resp: 388259
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.0
127 8.3 6.6 10.0



#48
Methyl methacrylate
Concen: 157.479 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872
Ion Ratio Lower Upper
41 100
69 80.1 64.6 97.0
39 65.4 53.3 79.9





#49

1,4-Dioxane

Concen: 3083.461 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

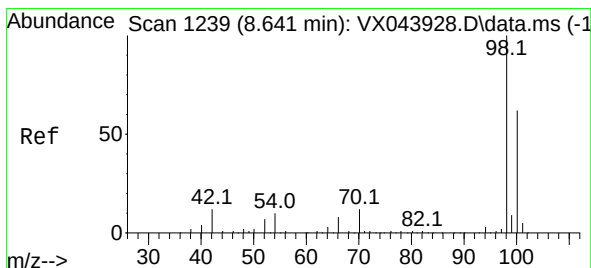
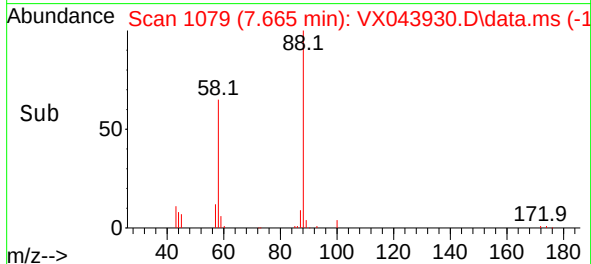
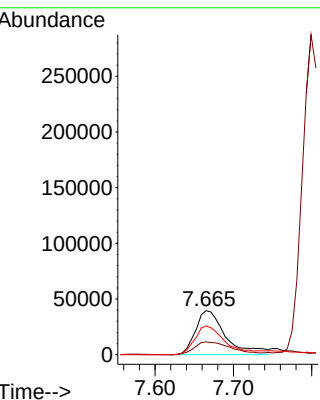
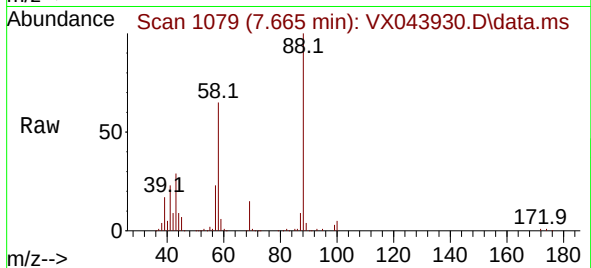
Tgt Ion: 88 Resp: 106634

Ion Ratio Lower Upper

88 100

43 35.6 26.8 40.2

58 66.2 45.4 68.2



#50

Toluene-d8

Concen: 153.143 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043930.D

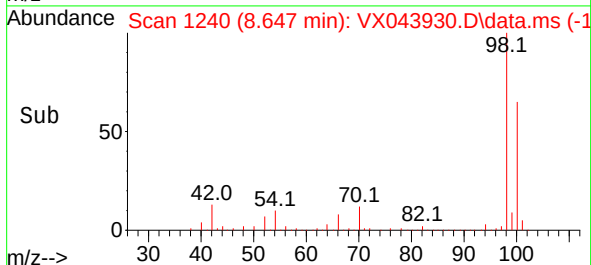
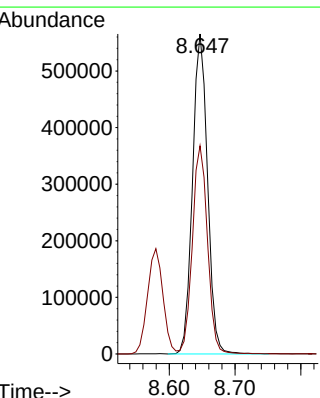
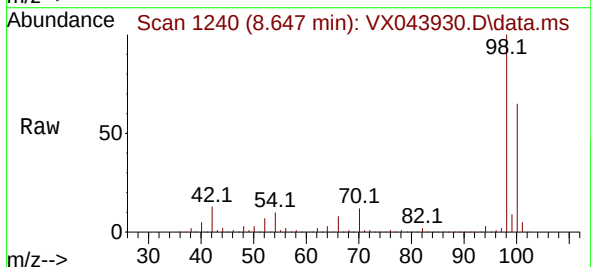
Acq: 21 Nov 2024 12:03

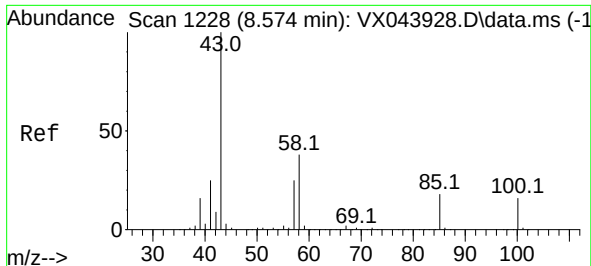
Tgt Ion: 98 Resp: 896413

Ion Ratio Lower Upper

98 100

100 65.7 52.6 79.0

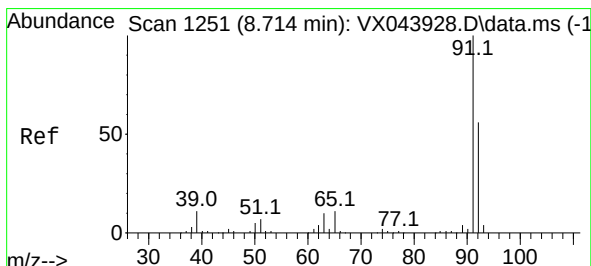
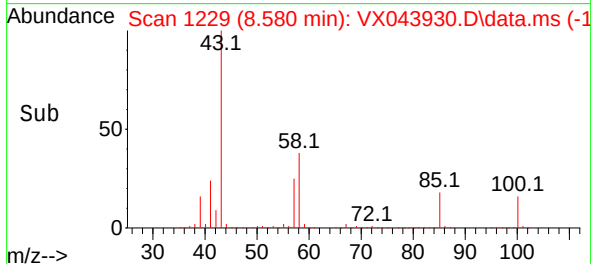
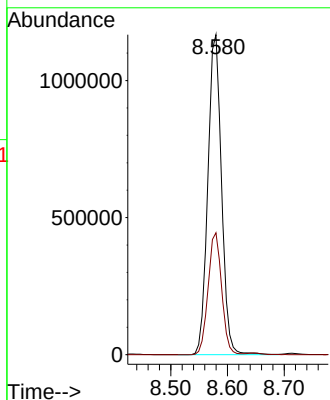
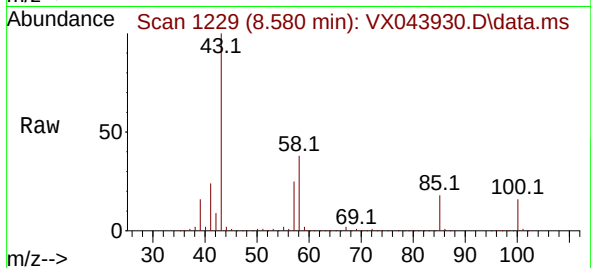




#51
4-Methyl-2-Pentanone
Concen: 766.353 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

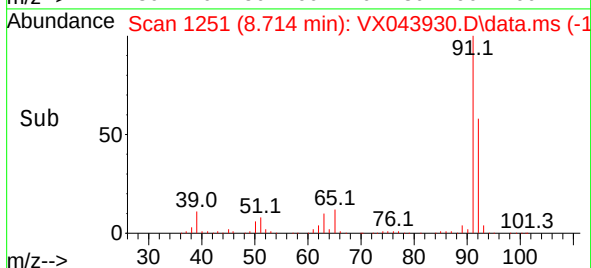
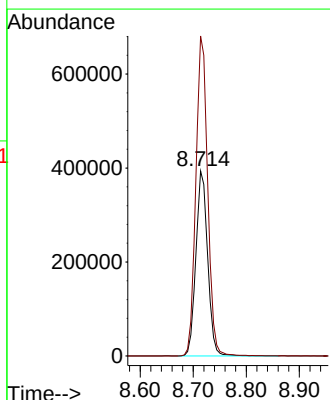
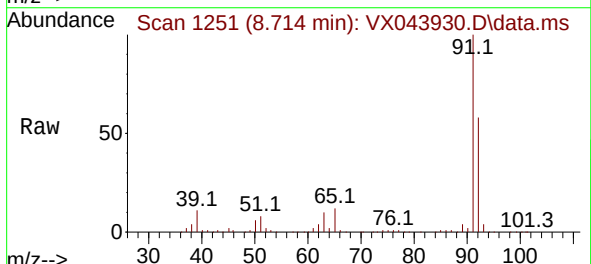
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

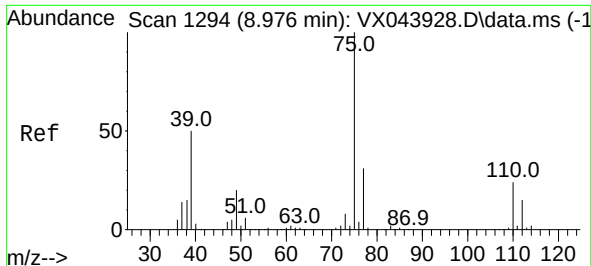
Tgt Ion: 43 Resp: 1954925
Ion Ratio Lower Upper
43 100
58 37.8 30.0 45.0



#52
Toluene
Concen: 153.910 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179
Ion Ratio Lower Upper
92 100
91 173.9 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 173.984 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

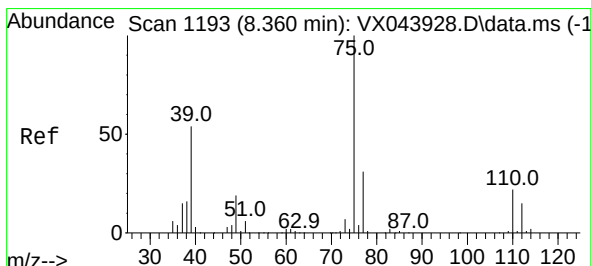
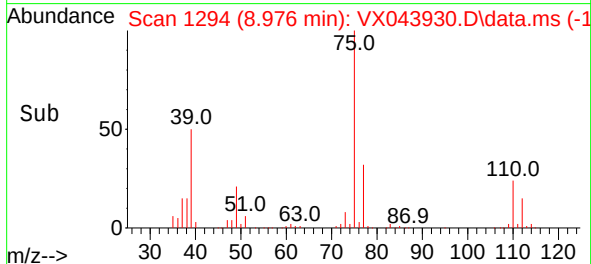
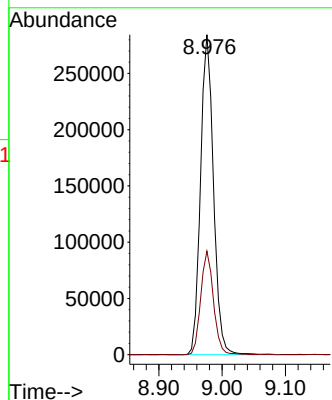
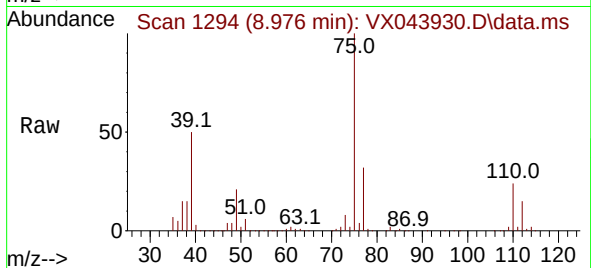
VSTDICC150

Tgt Ion: 75 Resp: 406346

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 167.379 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

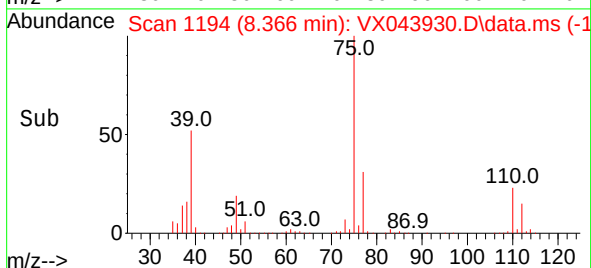
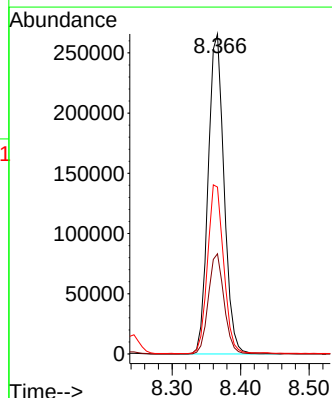
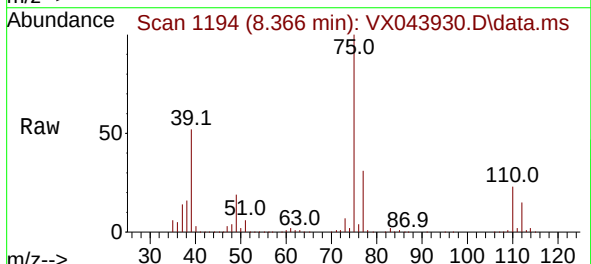
Tgt Ion: 75 Resp: 428549

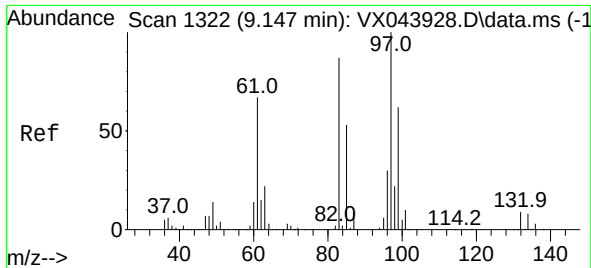
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 52.0 43.1 64.7



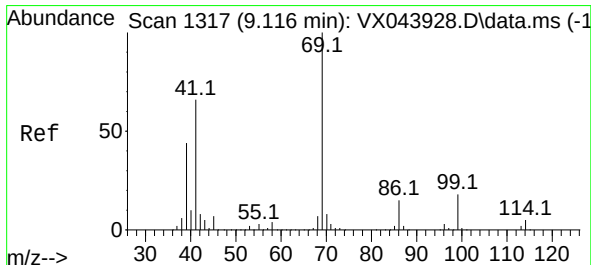
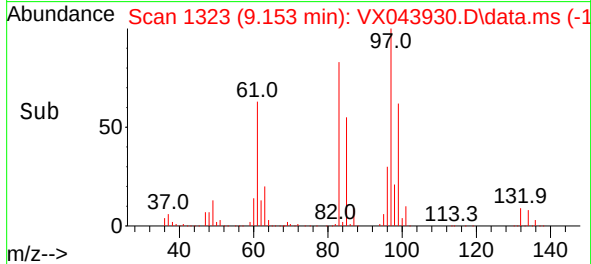
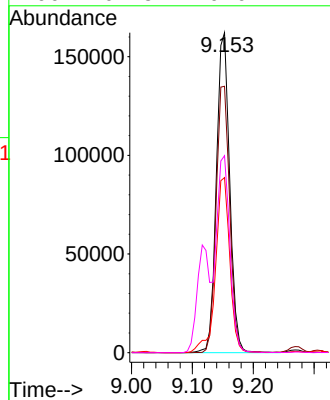
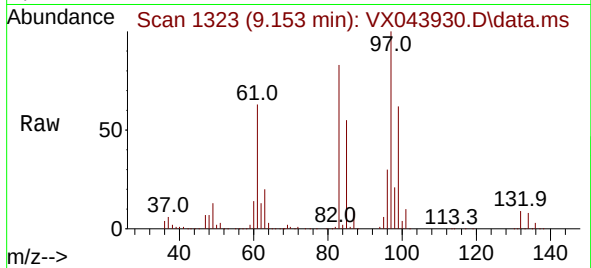


#55
1,1,2-Trichloroethane
Concen: 150.879 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 245706

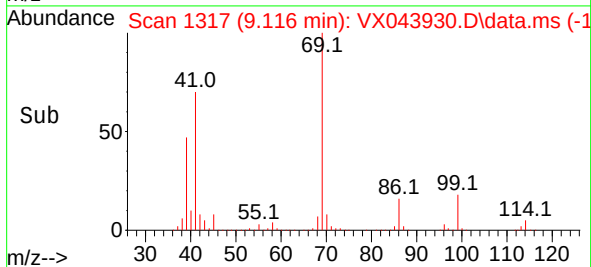
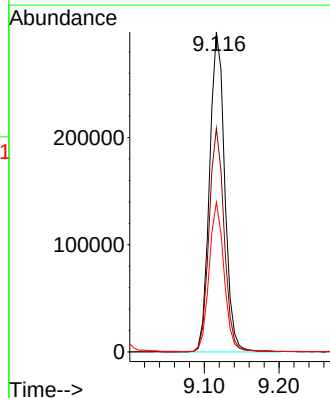
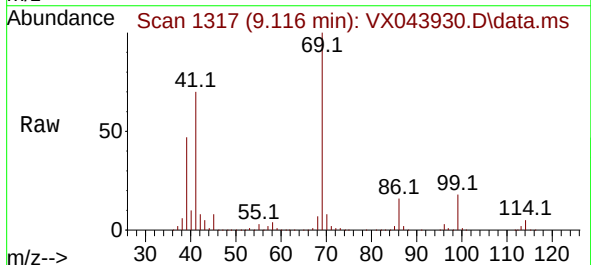
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.4	104.0
85	54.7	42.3	63.5
99	61.5	49.6	74.4

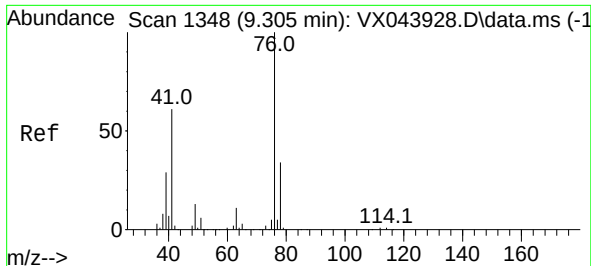


#56
Ethyl methacrylate
Concen: 165.742 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.8	83.8
39	45.9	36.7	55.1

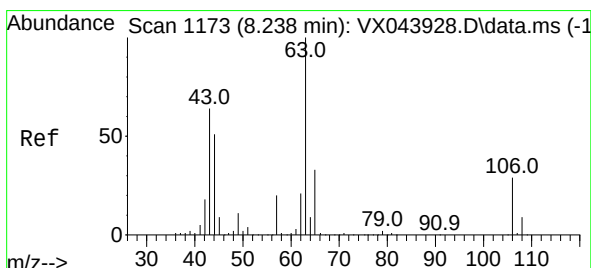
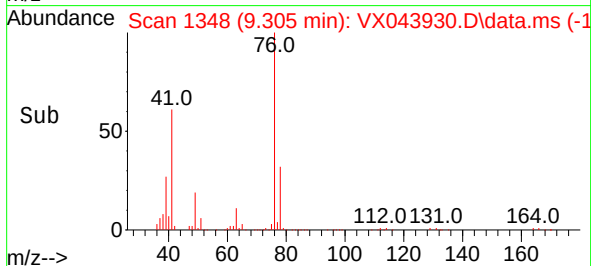
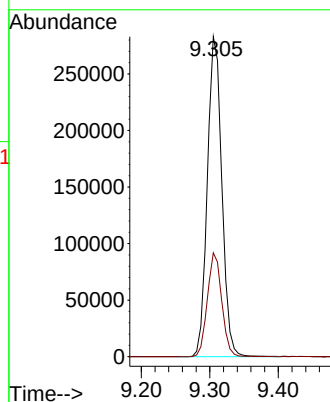
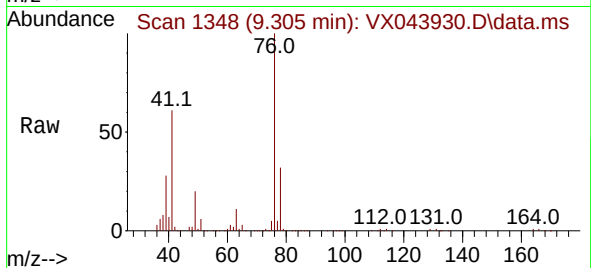




#57
1,3-Dichloropropane
Concen: 151.939 ug/l
RT: 9.305 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

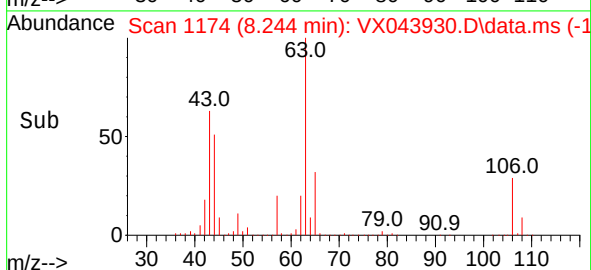
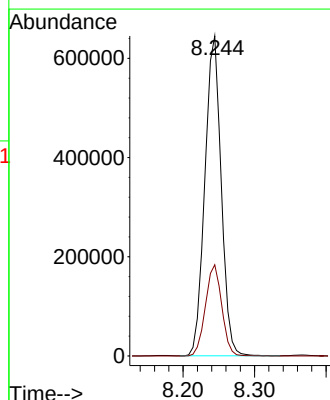
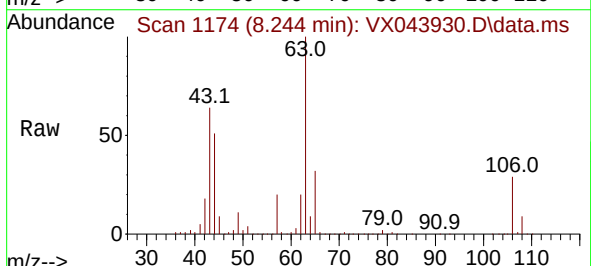
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

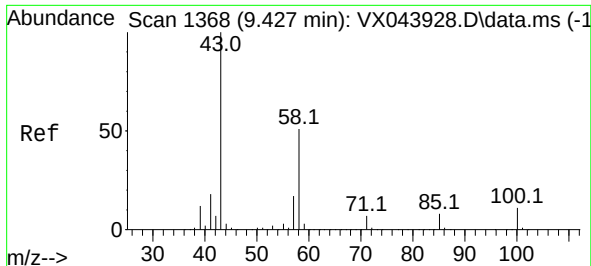
Tgt Ion: 76 Resp: 416811
Ion Ratio Lower Upper
76 100
78 32.2 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 753.191 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576
Ion Ratio Lower Upper
63 100
106 28.5 23.0 34.6

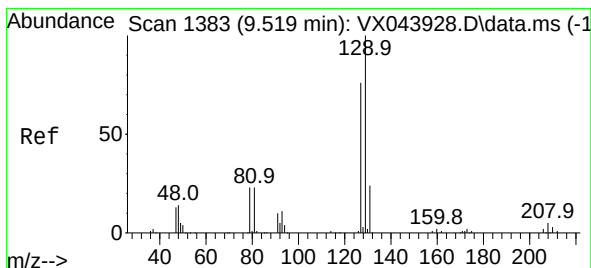
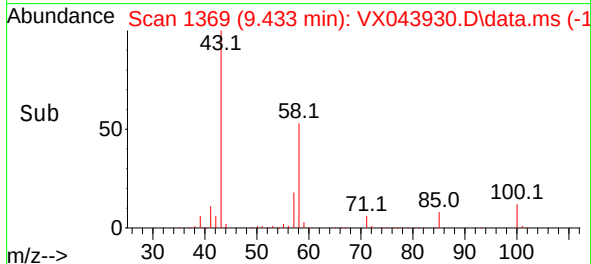
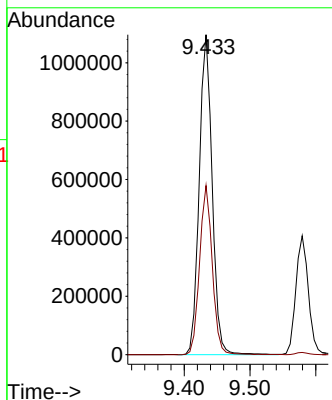
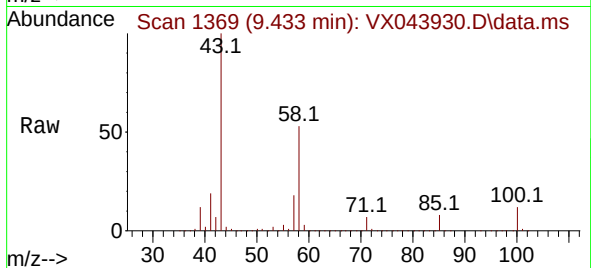




#59
2-Hexanone
Concen: 779.070 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

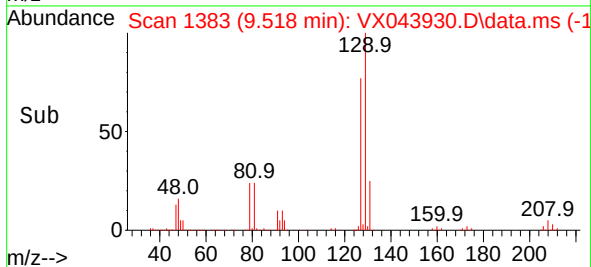
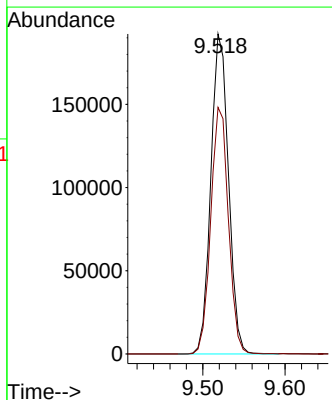
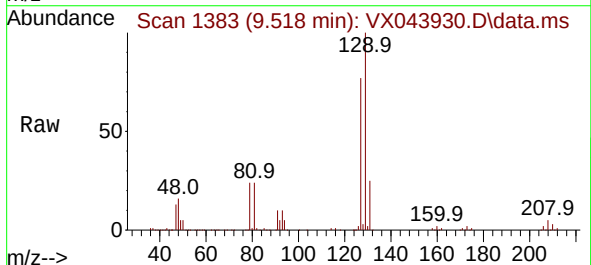
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

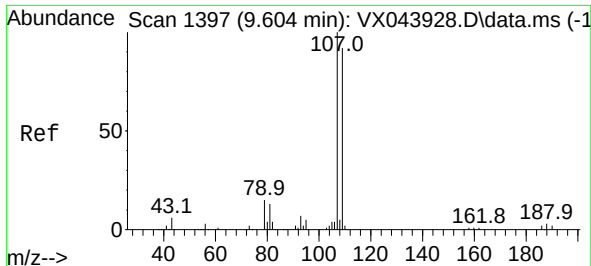
Tgt Ion: 43 Resp: 1493755
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.6



#60
Dibromochloromethane
Concen: 175.154 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 129 Resp: 286188
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 158.727 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

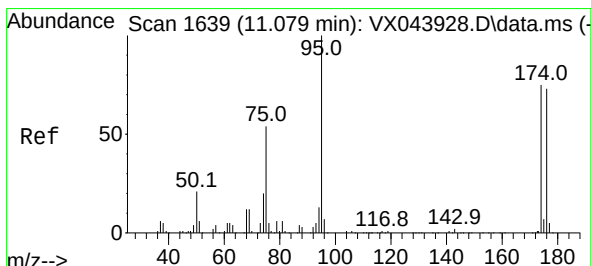
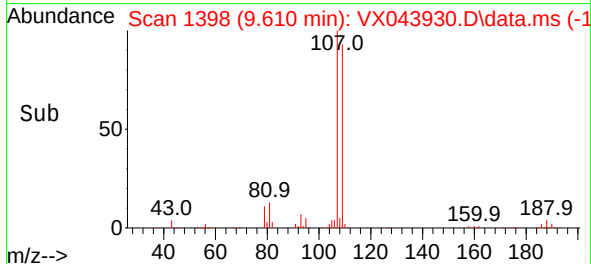
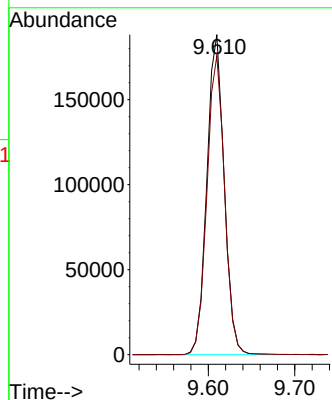
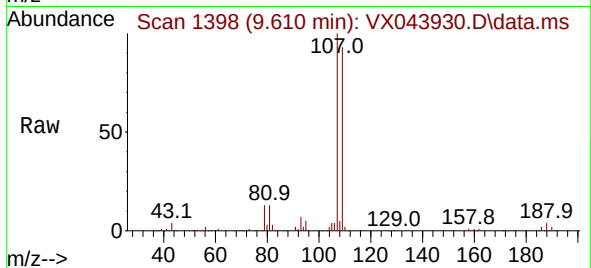
VSTDICC150

Tgt Ion:107 Resp: 261369

Ion Ratio Lower Upper

107 100

109 95.1 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 162.951 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

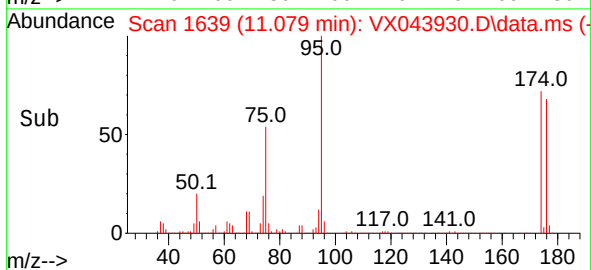
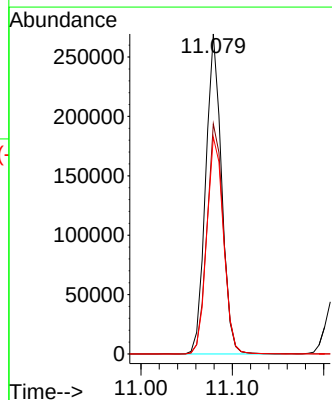
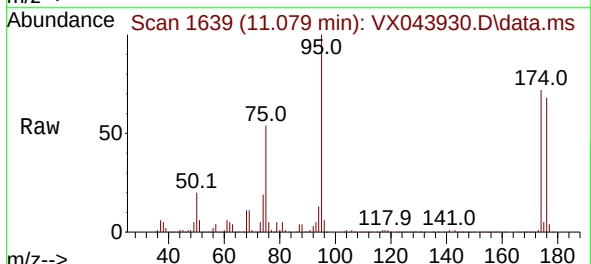
Tgt Ion: 95 Resp: 324612

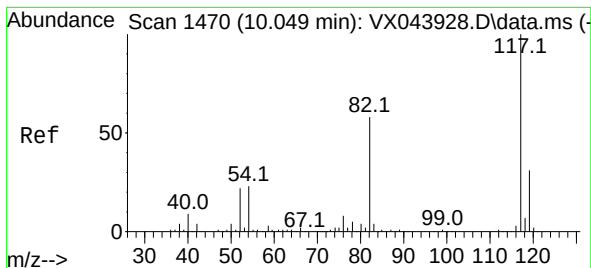
Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 71.4 0.0 146.0

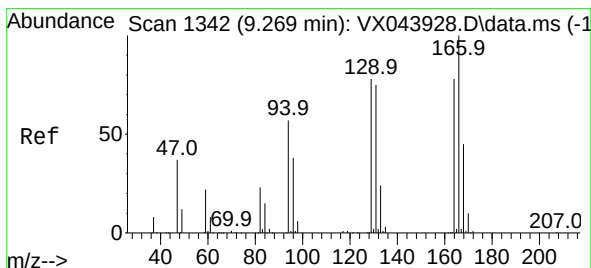
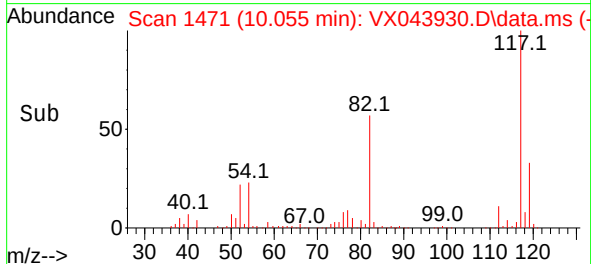
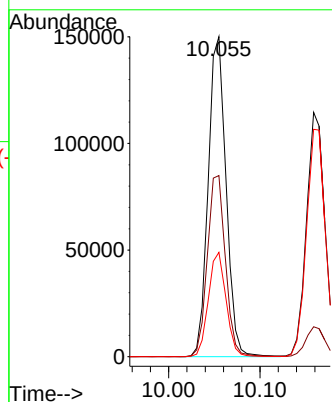
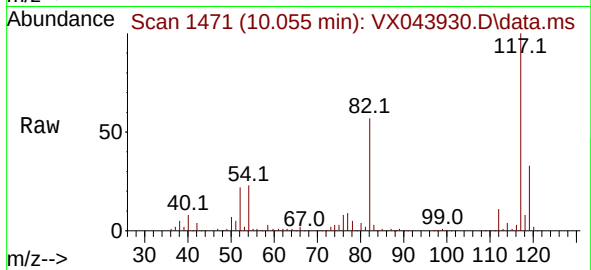




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

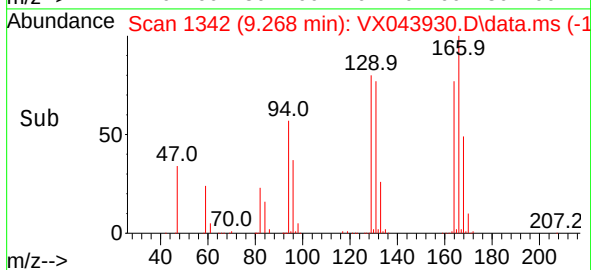
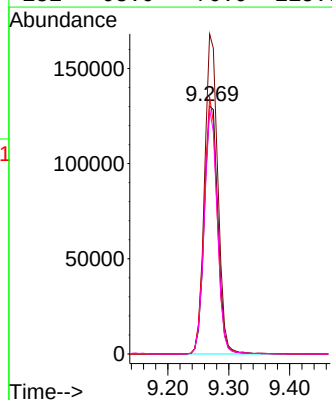
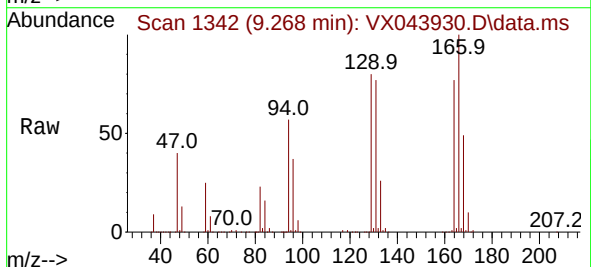
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

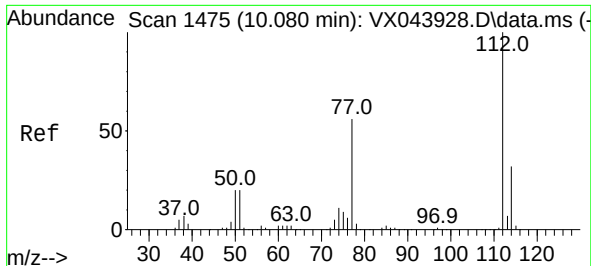
Tgt Ion:117 Resp: 203280
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 32.6 24.6 37.0



#64
Tetrachloroethene
Concen: 150.897 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262
Ion Ratio Lower Upper
164 100
166 129.1 102.1 153.1
129 103.4 79.6 119.4
131 98.9 76.9 115.3

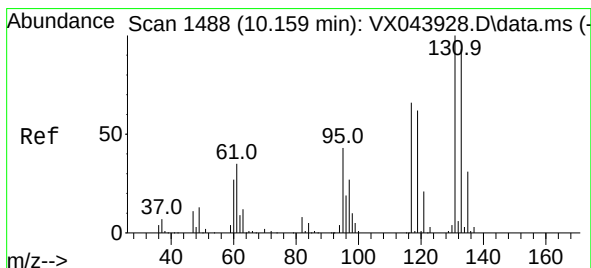
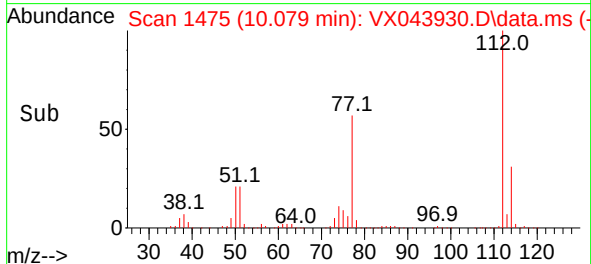
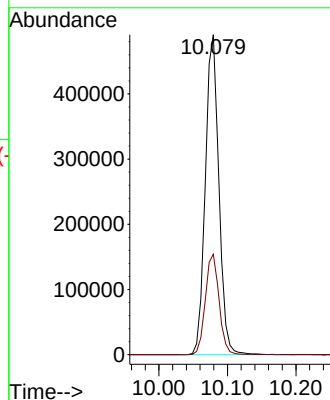
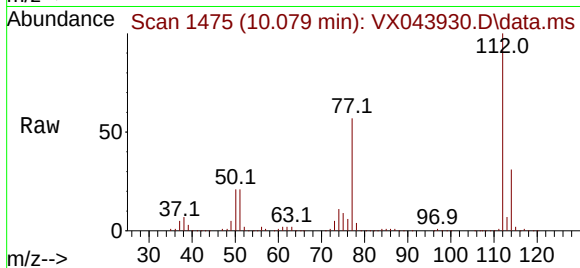




#65
Chlorobenzene
Concen: 151.304 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

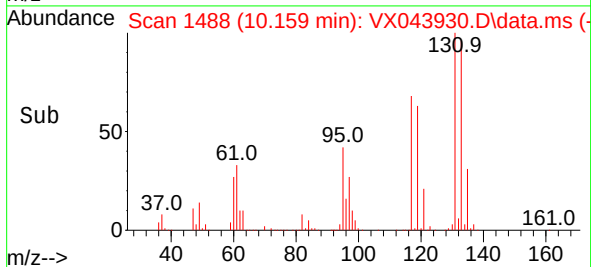
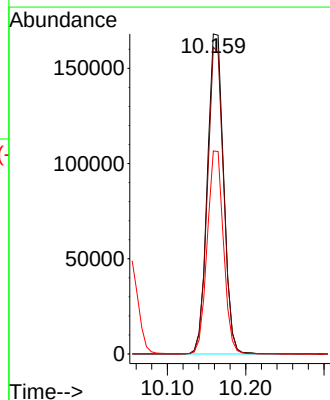
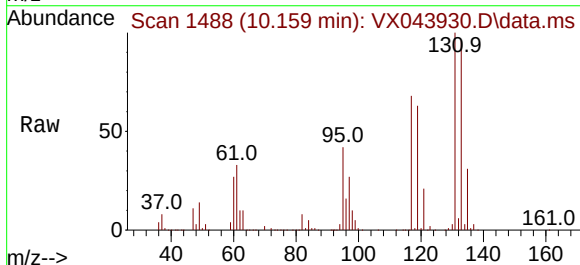
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

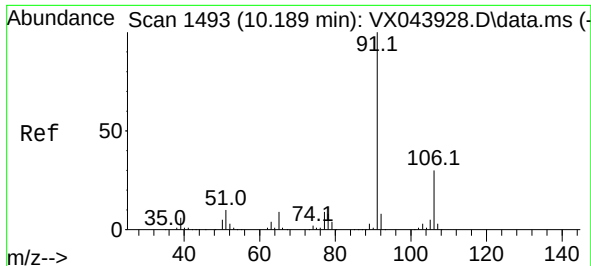
Tgt Ion:112 Resp: 675513
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 166.861 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604
Ion Ratio Lower Upper
131 100
133 95.2 48.2 144.6
119 63.3 31.5 94.5





#67

Ethyl Benzene

Concen: 156.200 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

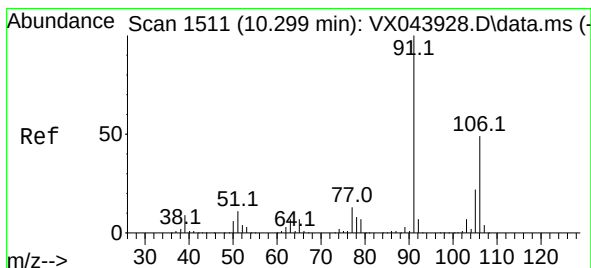
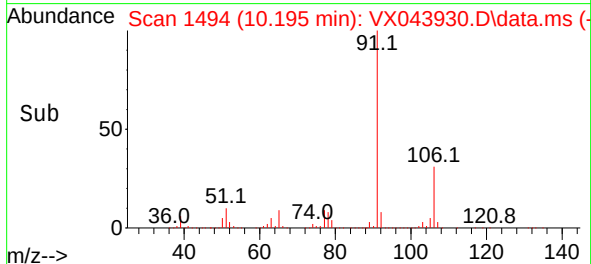
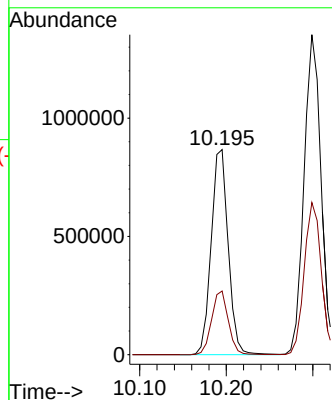
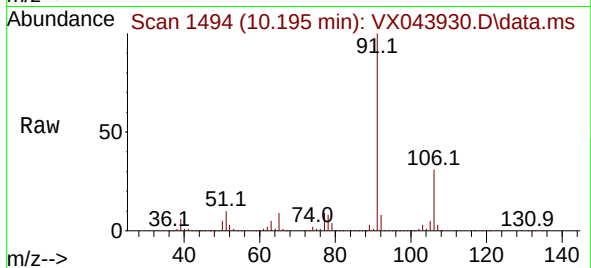
VSTDICC150

Tgt Ion: 91 Resp: 1181693

Ion Ratio Lower Upper

91 100

106 31.1 23.6 35.4



#68

m/p-Xylenes

Concen: 313.360 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043930.D

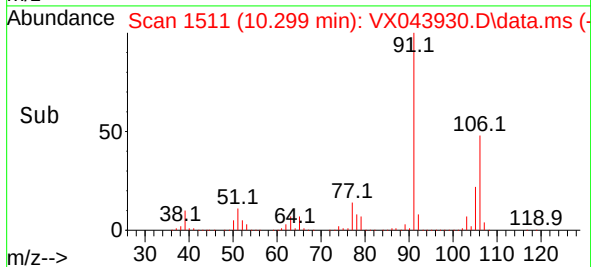
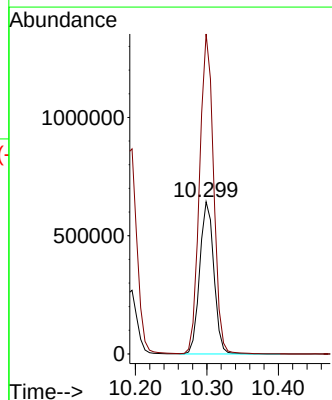
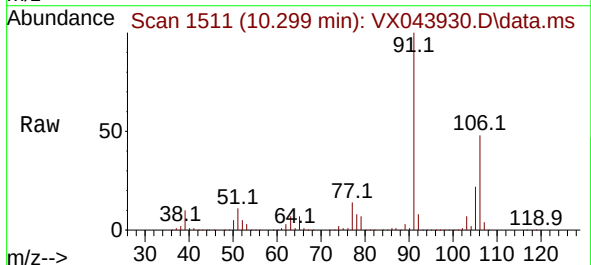
Acq: 21 Nov 2024 12:03

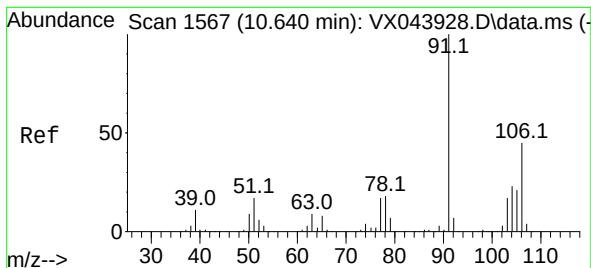
Tgt Ion:106 Resp: 884067

Ion Ratio Lower Upper

106 100

91 208.6 168.1 252.1

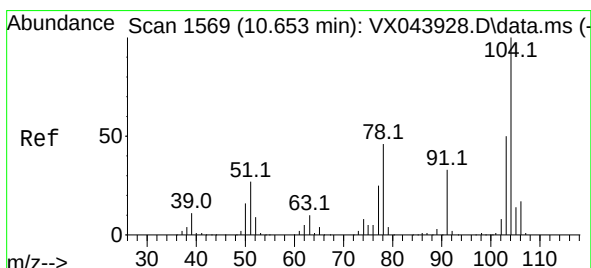
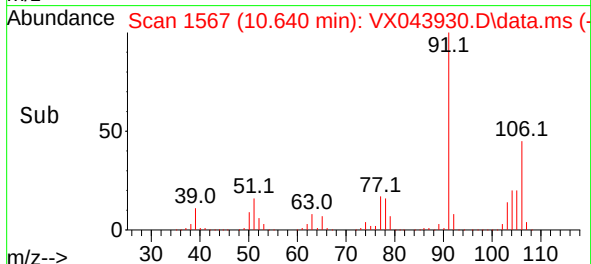
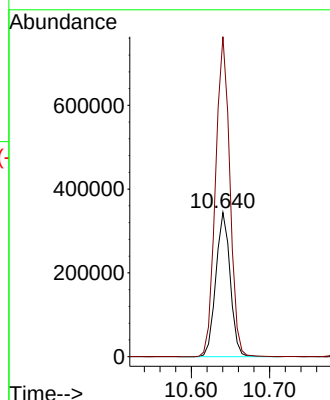
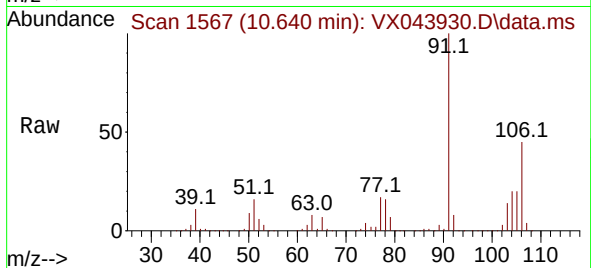




#69
o-Xylene
Concen: 158.616 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

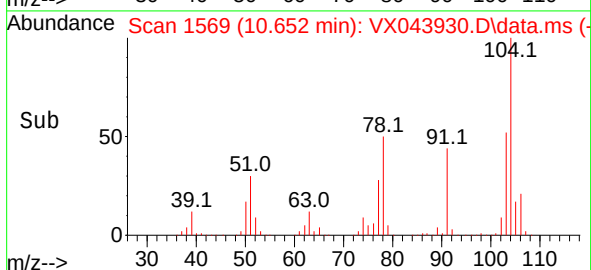
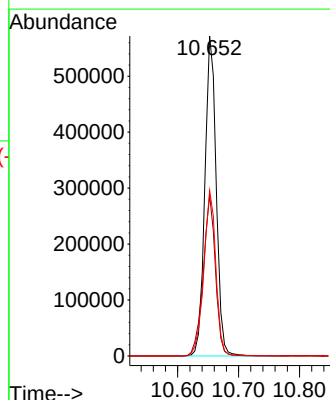
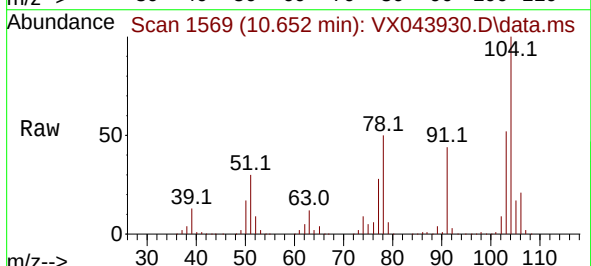
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

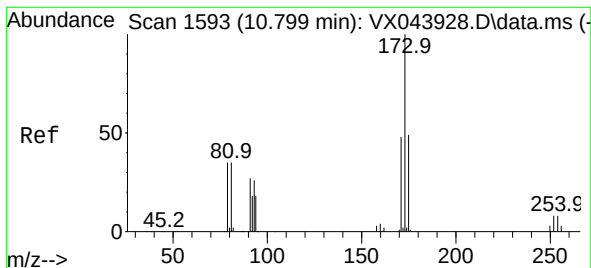
Tgt Ion:106 Resp: 436919
Ion Ratio Lower Upper
106 100
91 222.3 110.2 330.6



#70
Styrene
Concen: 162.878 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:104 Resp: 742061
Ion Ratio Lower Upper
104 100
78 54.2 42.2 63.2
103 55.2 44.7 67.1





#71

Bromoform

Concen: 150.272 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

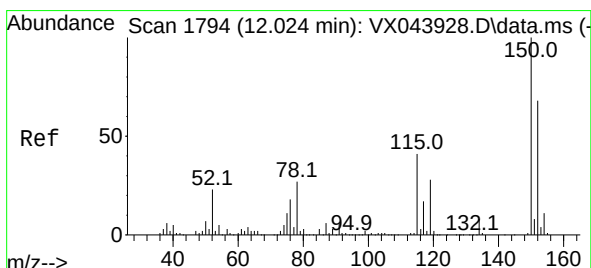
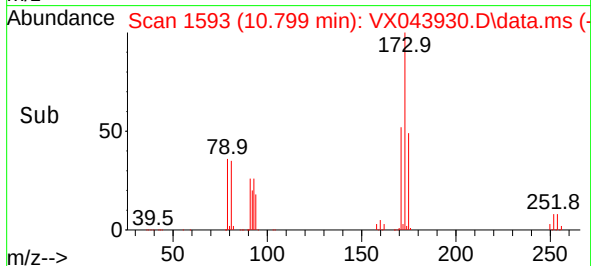
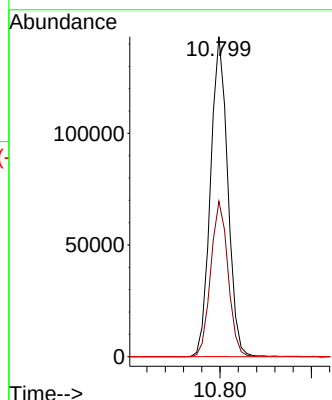
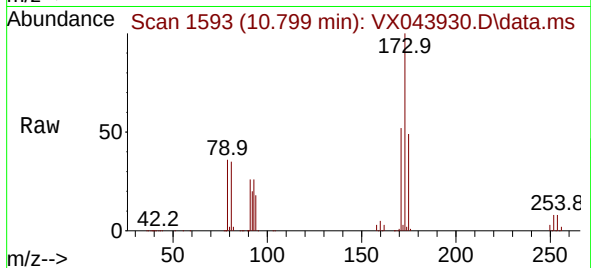
Tgt Ion:173 Resp: 186691

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.2

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

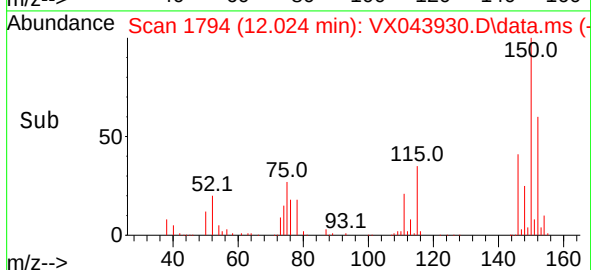
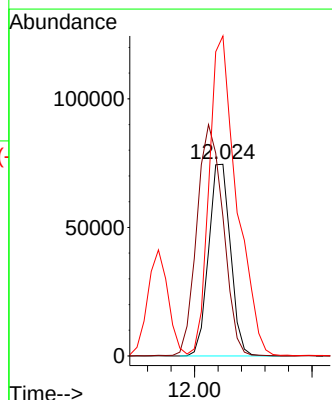
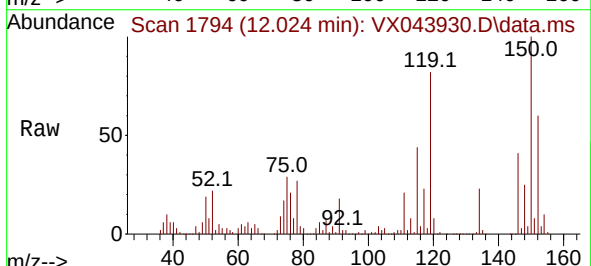
Tgt Ion:152 Resp: 96376

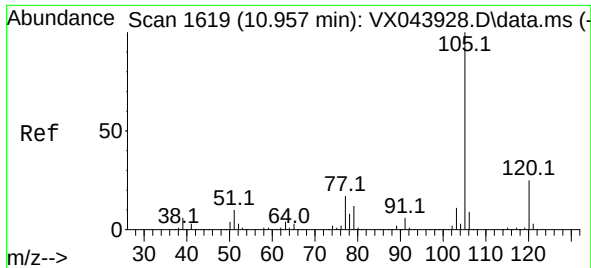
Ion Ratio Lower Upper

152 100

115 145.9 45.4 136.2#

150 210.2 0.0 353.0

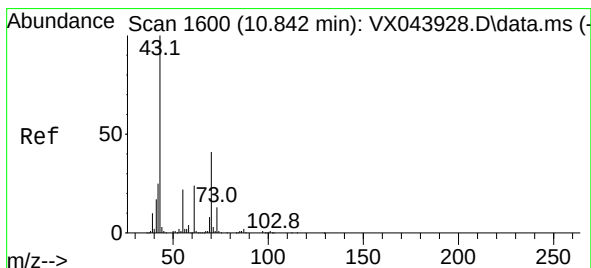
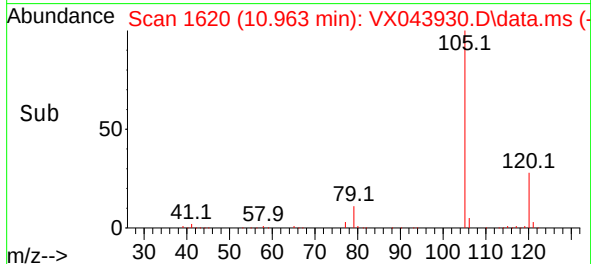
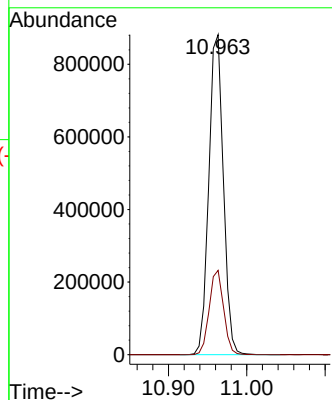
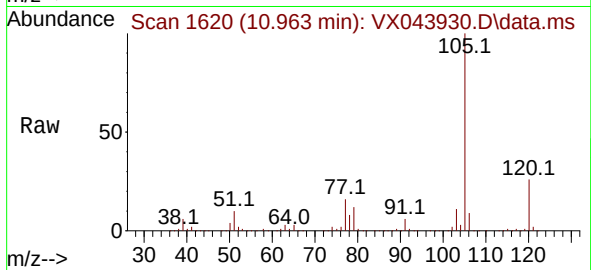




#73
Isopropylbenzene
Concen: 153.248 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

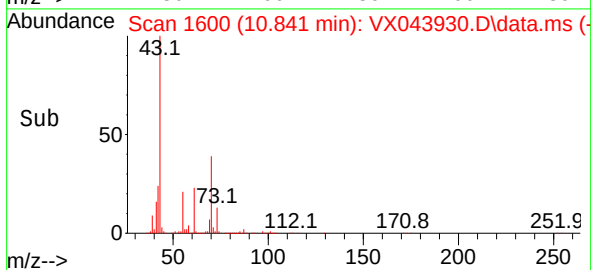
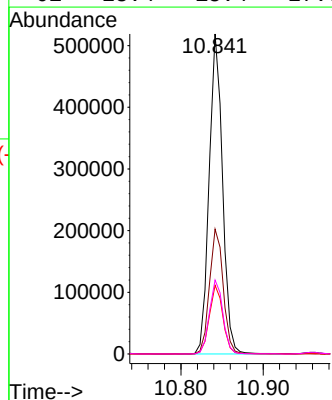
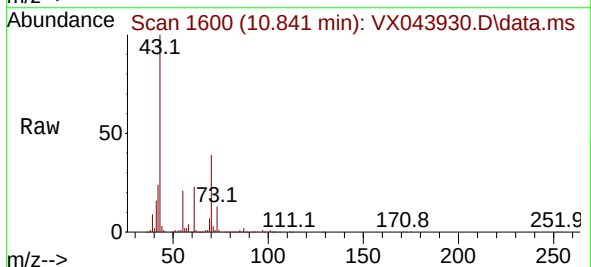
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

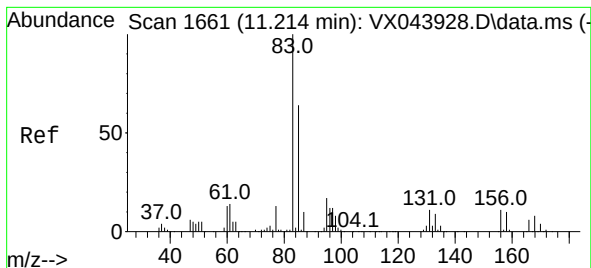
Tgt Ion:105 Resp: 1135309
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9



#74
N-ethyl acetate
Concen: 170.913 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560
Ion Ratio Lower Upper
43 100
70 40.1 32.2 48.2
55 21.7 18.1 27.1
61 23.4 18.4 27.6

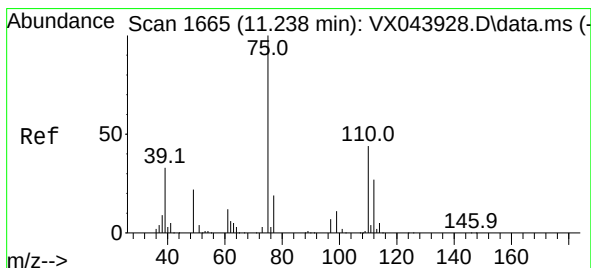
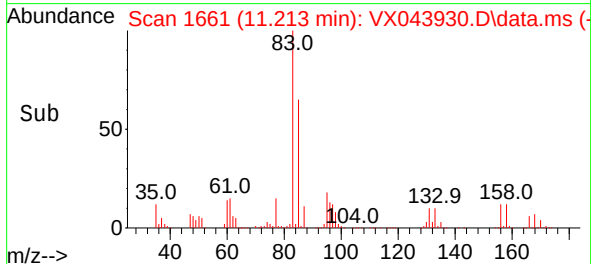
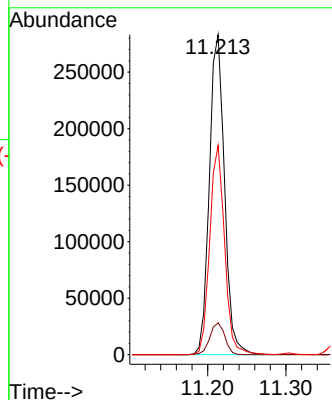
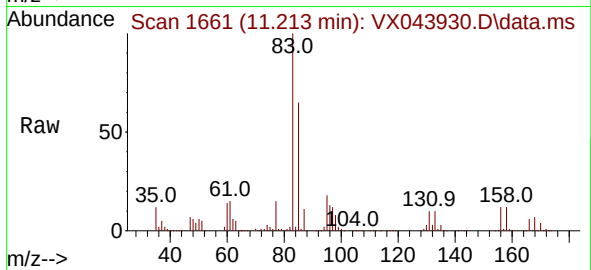




#75
1,1,2,2-Tetrachloroethane
Concen: 149.781 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

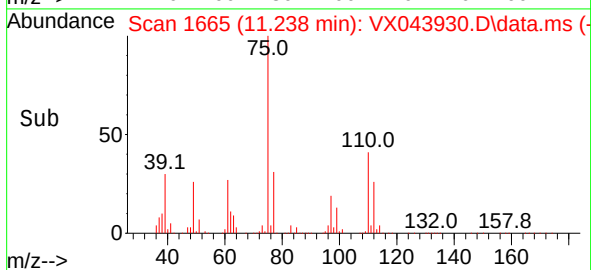
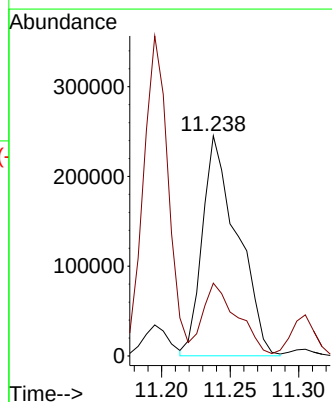
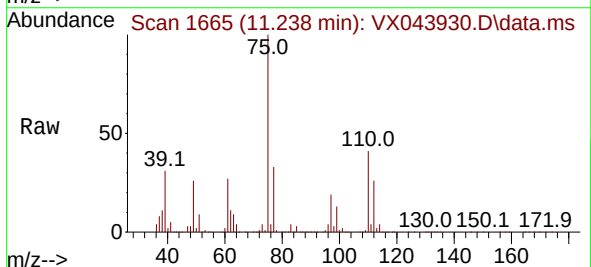
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

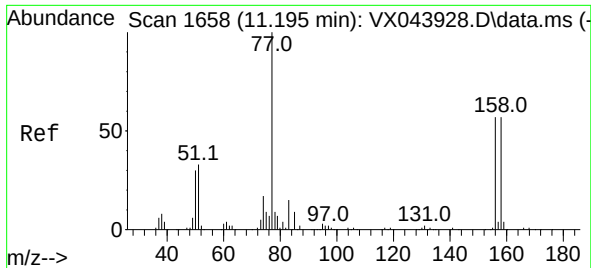
Tgt Ion: 83 Resp: 379947
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.2
85 64.1 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 210.095 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 436650
Ion Ratio Lower Upper
75 100
77 32.7 21.8 65.3

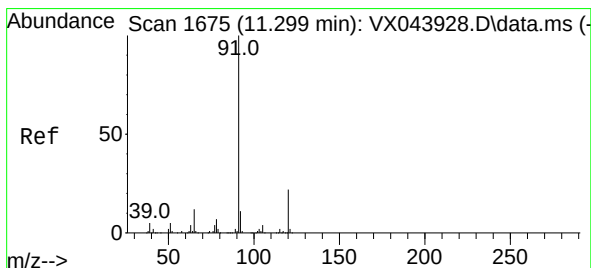
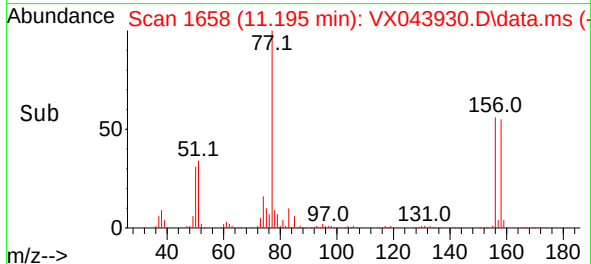
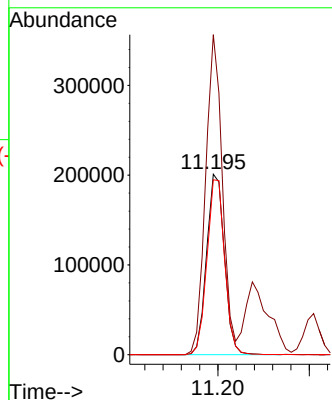
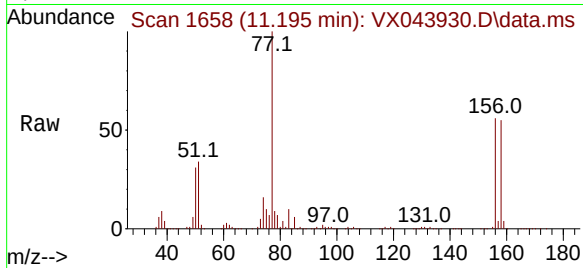




#77
Bromobenzene
Concen: 153.159 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

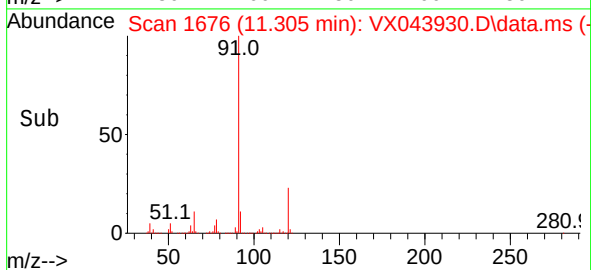
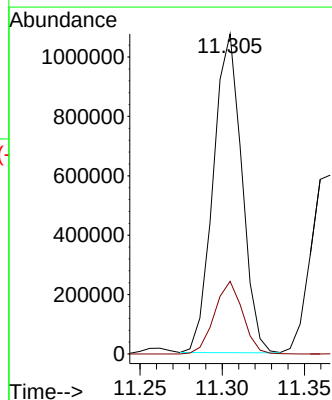
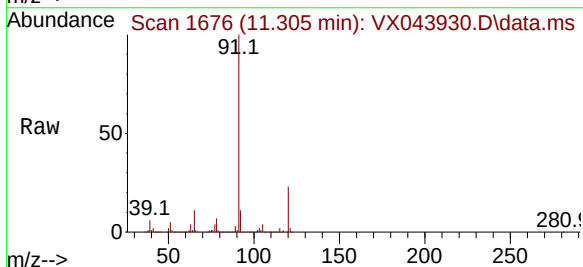
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

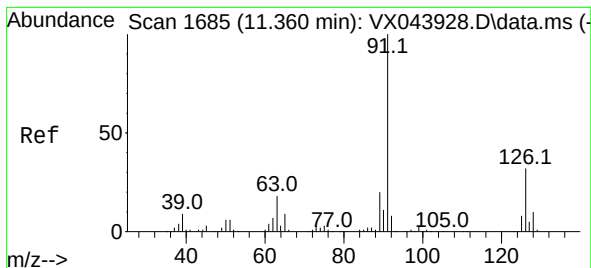
Tgt Ion:156 Resp: 270671
Ion Ratio Lower Upper
156 100
77 166.5 83.4 250.1
158 96.8 47.6 142.8



#78
n-propylbenzene
Concen: 156.752 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 150.642 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

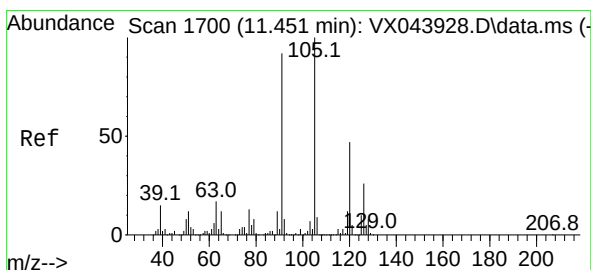
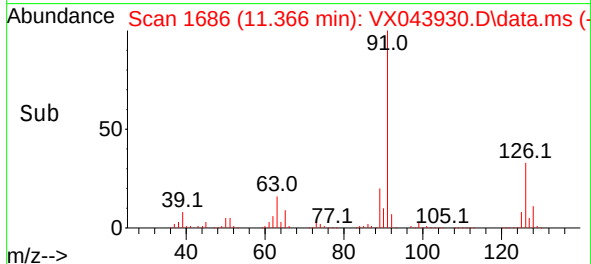
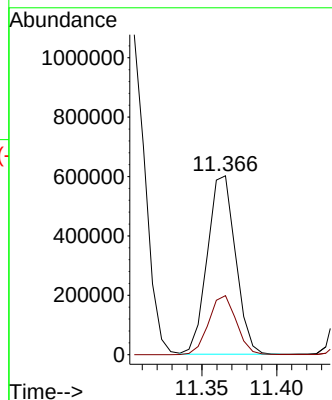
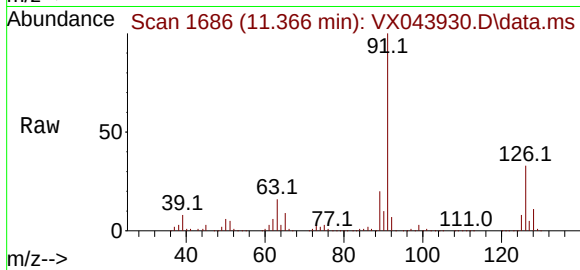
VSTDICC150

Tgt Ion: 91 Resp: 788163

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 153.592 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043930.D

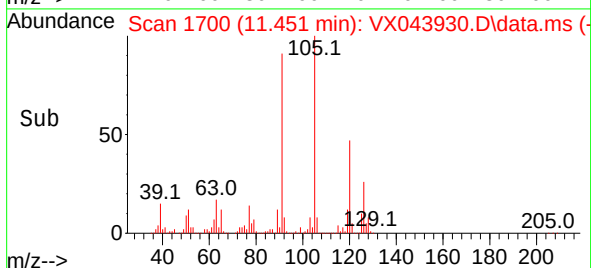
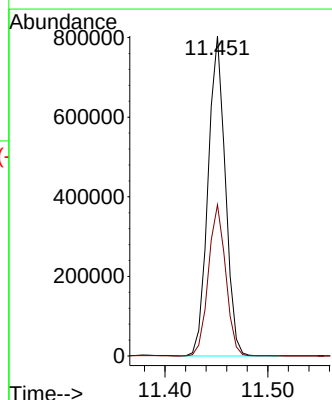
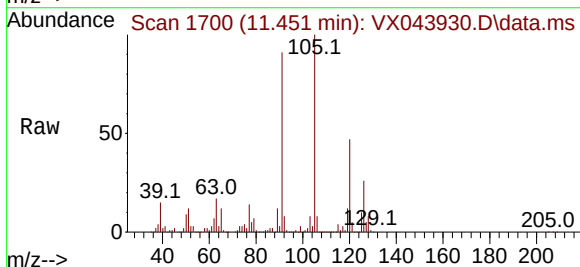
Acq: 21 Nov 2024 12:03

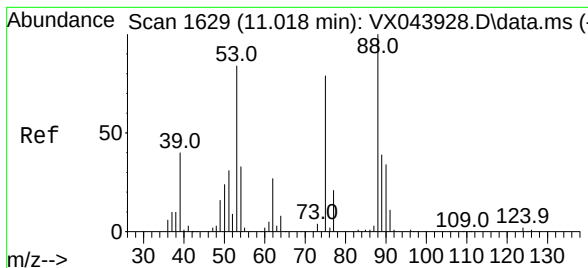
Tgt Ion:105 Resp: 936129

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.8

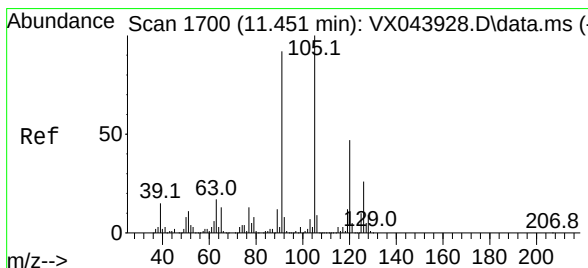
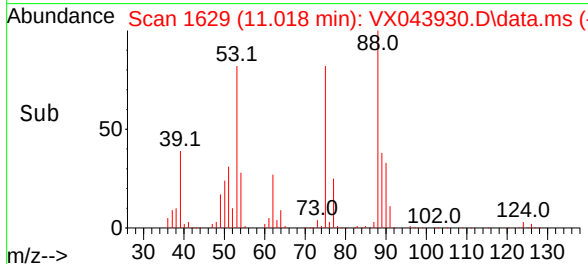
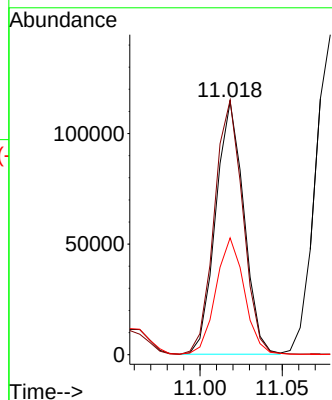
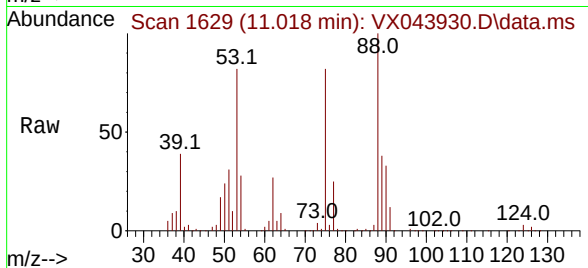




#81
trans-1,4-Dichloro-2-butene
Concen: 175.724 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

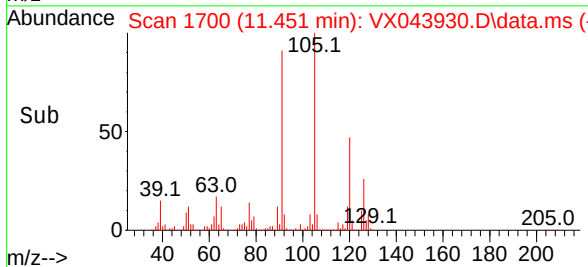
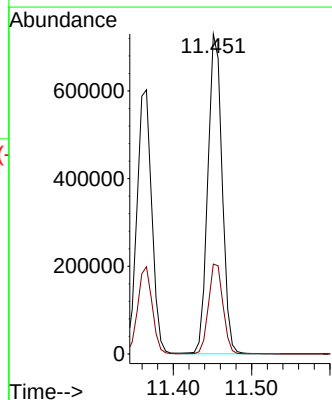
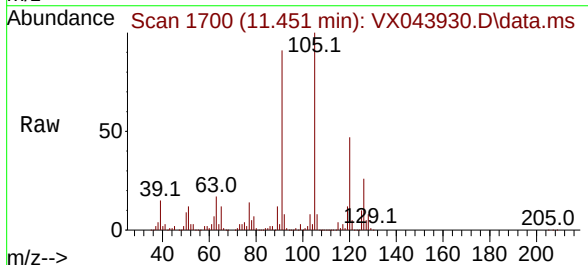
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

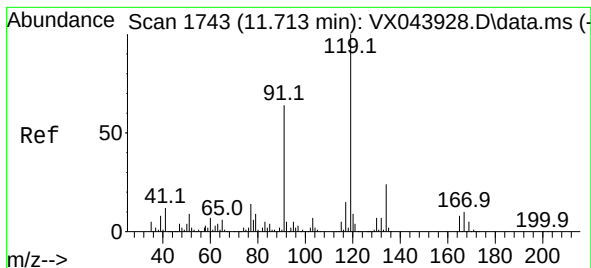
Tgt Ion: 75 Resp: 136104
Ion Ratio Lower Upper
75 100
53 103.1 86.7 130.1
89 47.0 38.2 57.2



#82
4-Chlorotoluene
Concen: 155.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566
Ion Ratio Lower Upper
91 100
126 28.6 14.3 42.9





#83

tert-Butylbenzene

Concen: 156.438 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

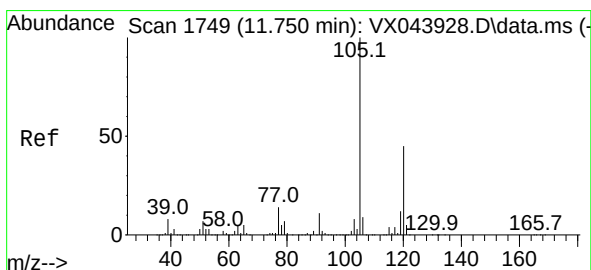
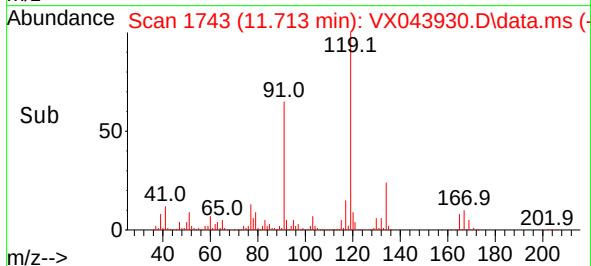
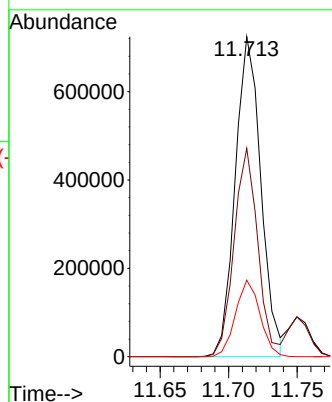
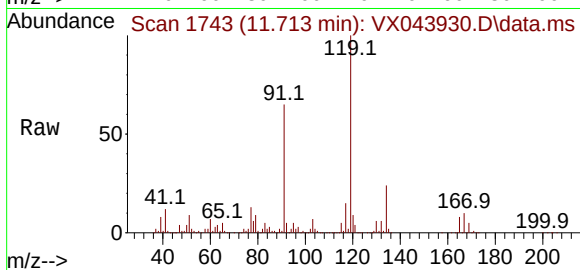
Tgt Ion:119 Resp: 945058

Ion Ratio Lower Upper

119 100

91 60.6 31.0 93.0

134 22.9 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 153.802 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043930.D

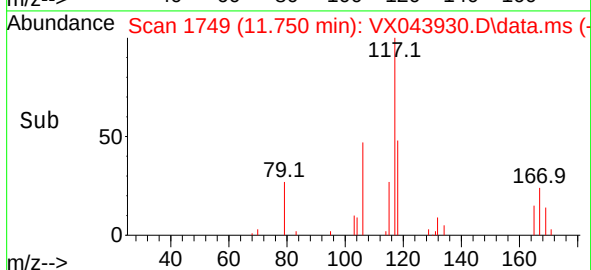
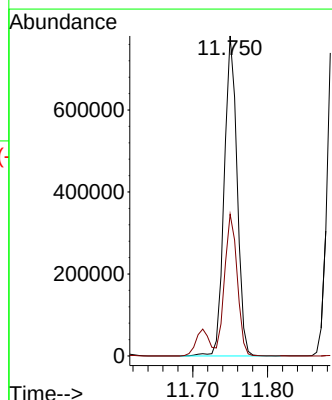
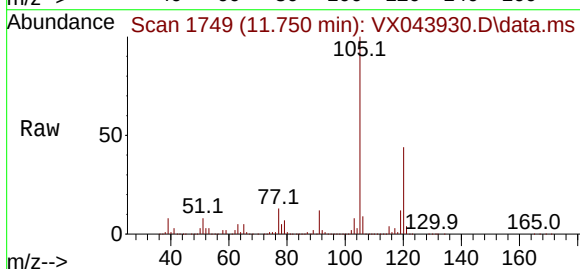
Acq: 21 Nov 2024 12:03

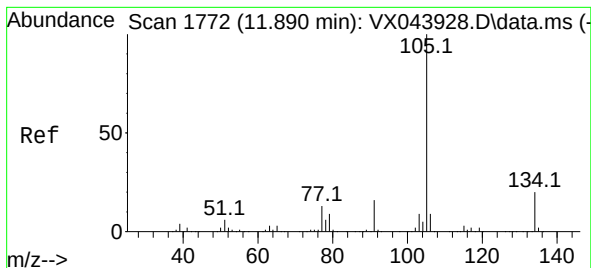
Tgt Ion:105 Resp: 933275

Ion Ratio Lower Upper

105 100

120 43.2 21.9 65.7

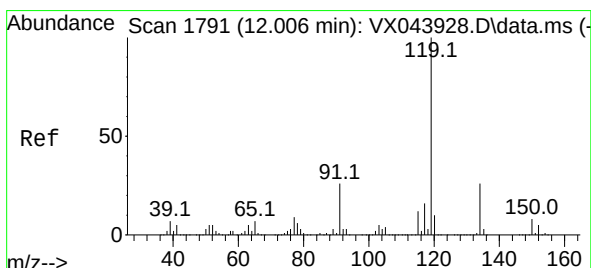
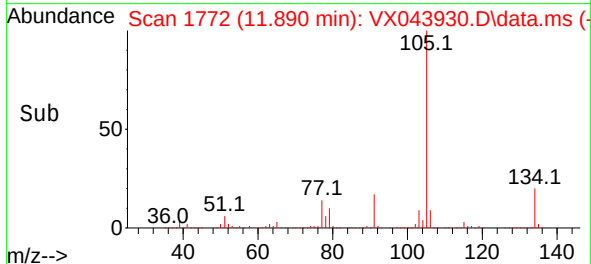
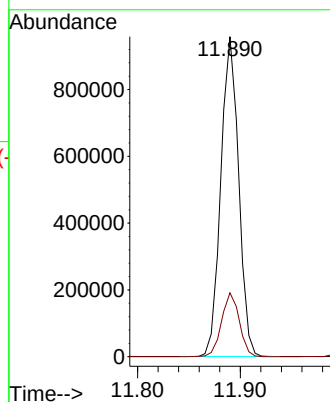
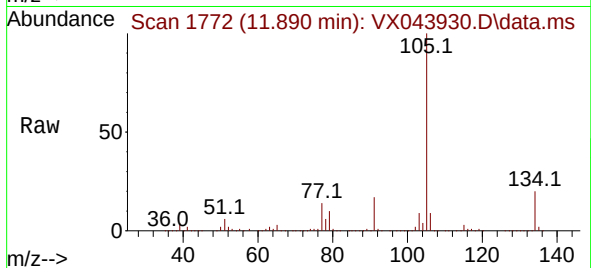




#85
sec-Butylbenzene
Concen: 155.218 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

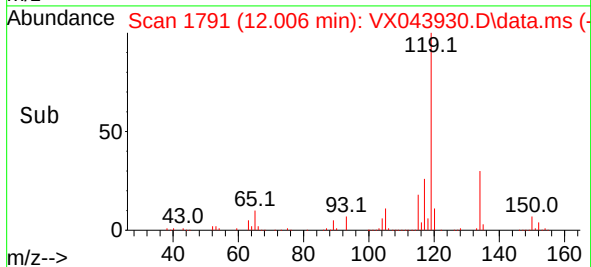
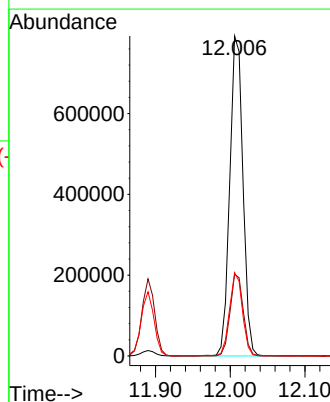
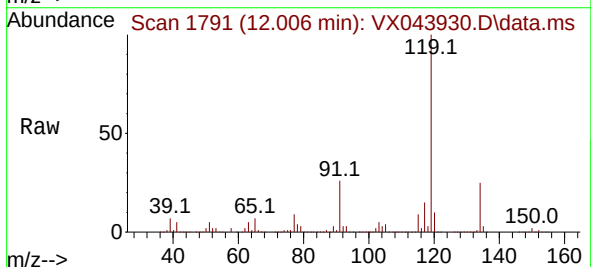
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

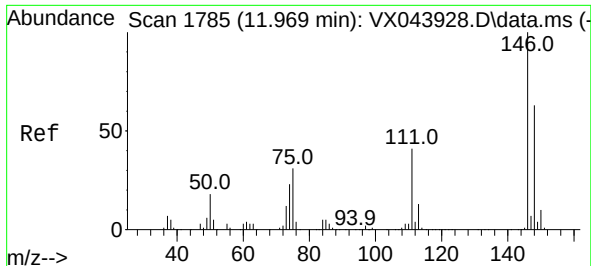
Tgt Ion:105 Resp: 1148877
Ion Ratio Lower Upper
105 100
134 19.9 9.7 29.1



#86
p-Isopropyltoluene
Concen: 161.670 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 972007
Ion Ratio Lower Upper
119 100
134 25.6 13.0 38.9
91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 152.338 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

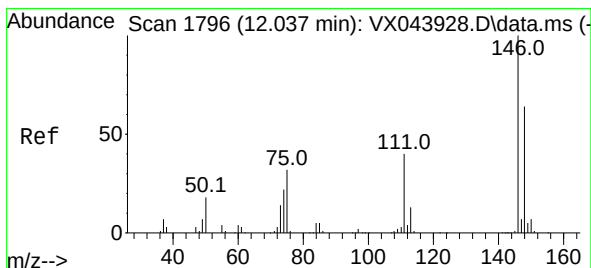
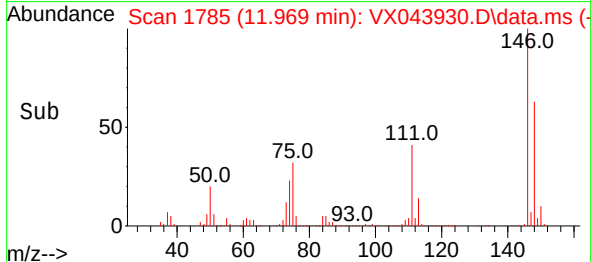
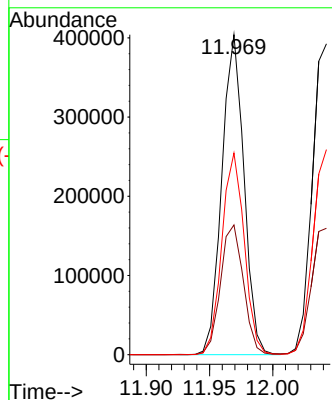
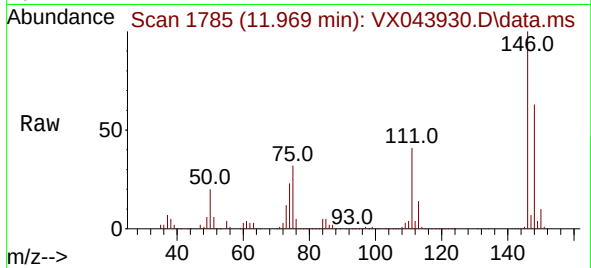
Tgt Ion:146 Resp: 490336

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.3

148 63.8 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 151.224 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

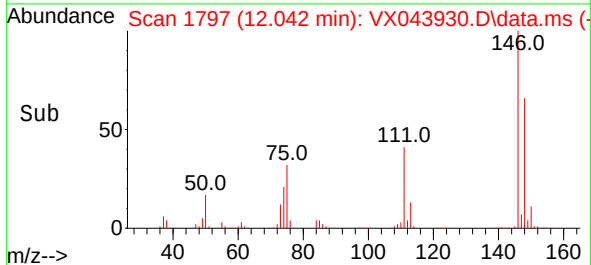
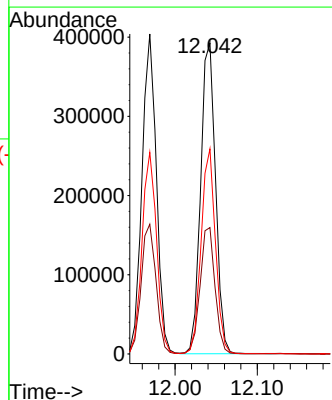
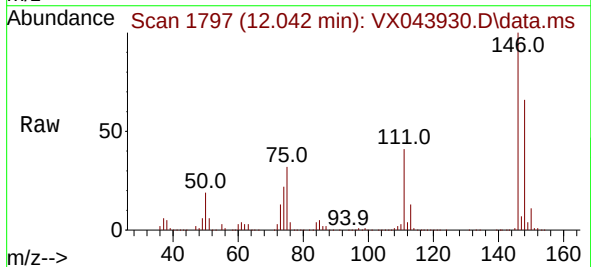
Tgt Ion:146 Resp: 494318

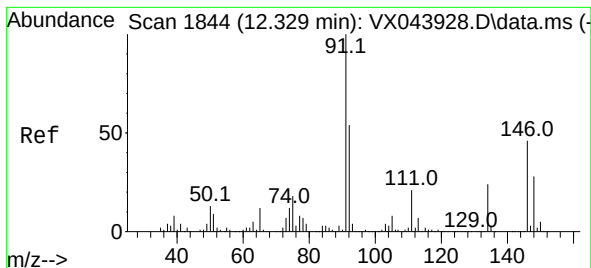
Ion Ratio Lower Upper

146 100

111 40.8 20.1 60.3

148 63.5 30.9 92.8

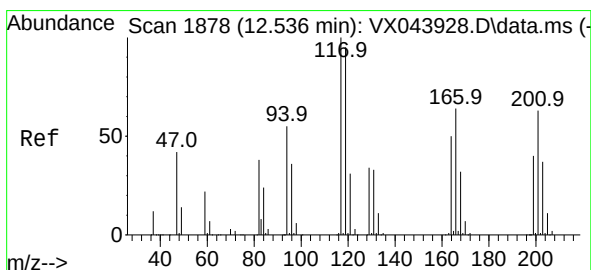
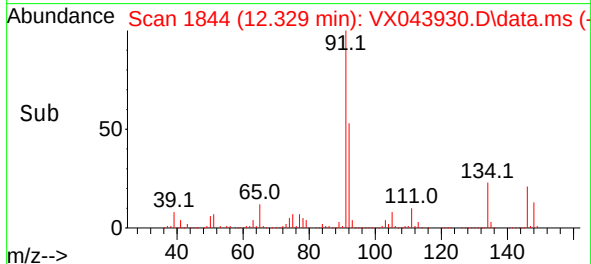
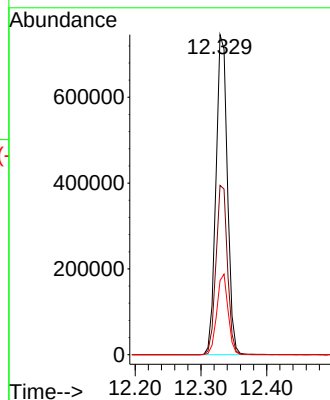
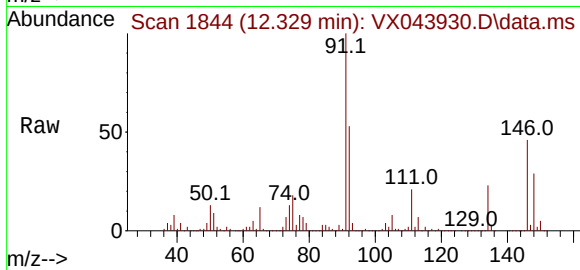




#89
n-Butylbenzene
Concen: 170.502 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

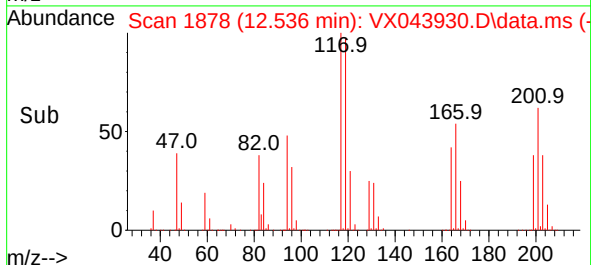
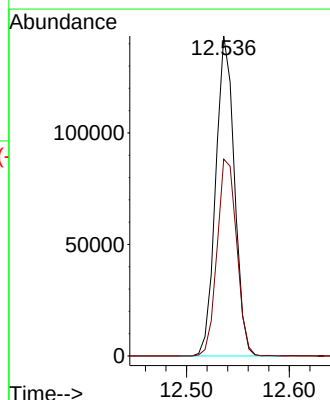
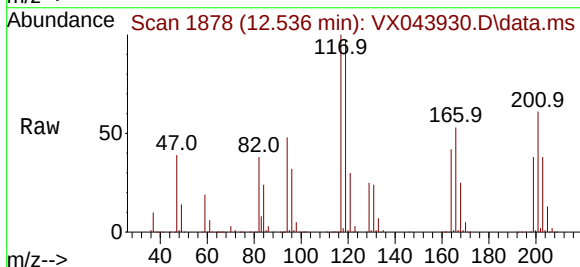
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

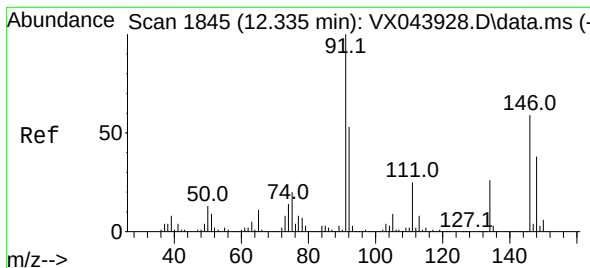
Tgt Ion: 91 Resp: 903805
Ion Ratio Lower Upper
91 100
92 53.1 26.6 79.8
134 24.8 12.4 37.2



#90
Hexachloroethane
Concen: 176.628 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 117 Resp: 180575
Ion Ratio Lower Upper
117 100
201 64.6 32.4 97.0

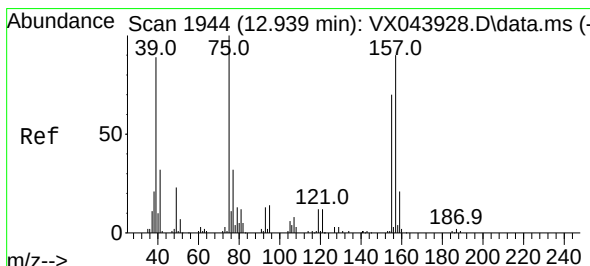
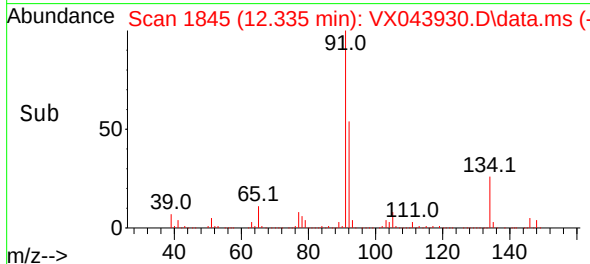
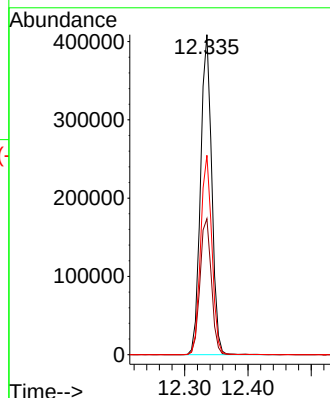
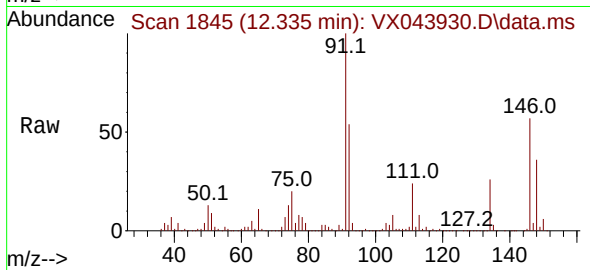




#91
1,2-Dichlorobenzene
Concen: 154.918 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

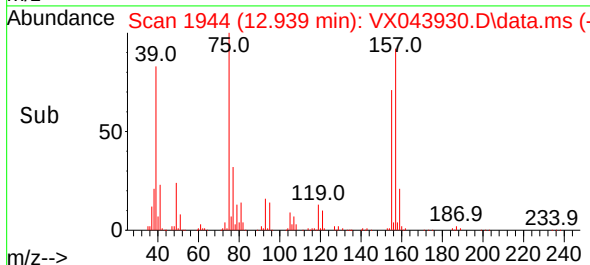
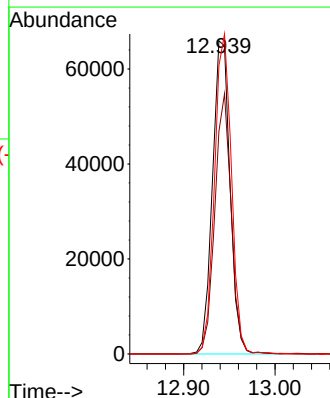
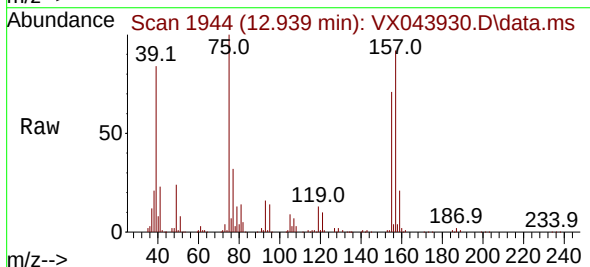
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

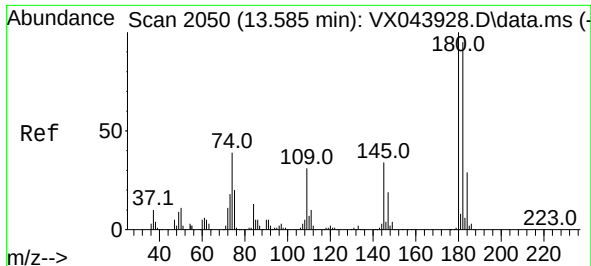
Tgt Ion:146 Resp: 503214
Ion Ratio Lower Upper
146 100
111 43.3 21.5 64.5
148 62.6 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 173.059 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 87963
Ion Ratio Lower Upper
75 100
155 77.7 40.1 120.2
157 98.7 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 169.860 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

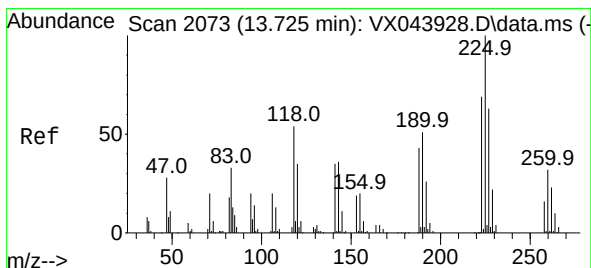
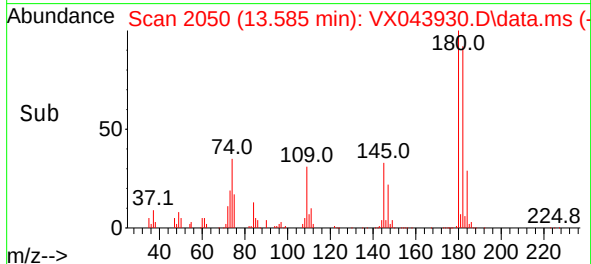
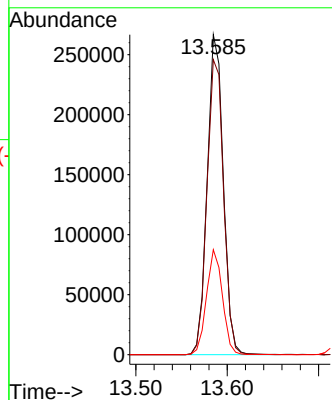
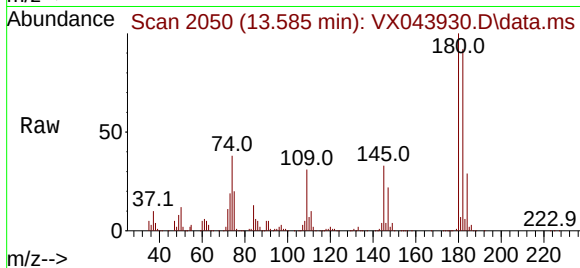
Tgt Ion:180 Resp: 325289

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.2

145 32.5 16.8 50.4



#94

Hexachlorobutadiene

Concen: 160.037 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

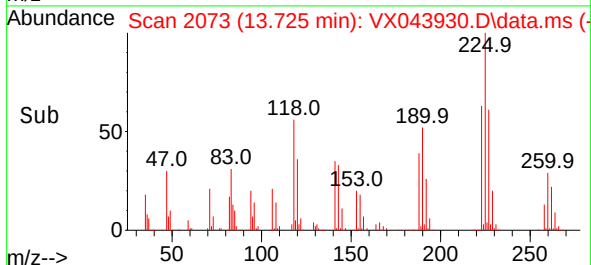
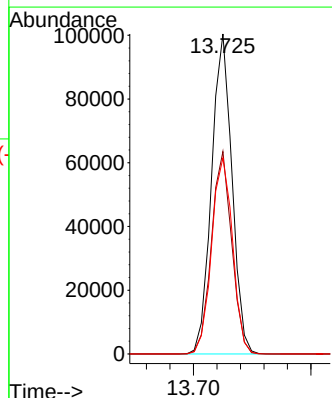
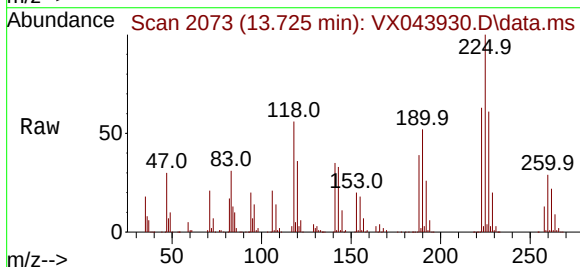
Tgt Ion:225 Resp: 121126

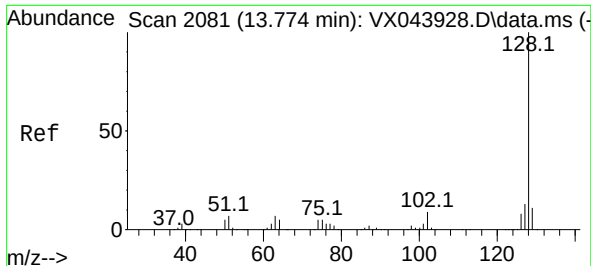
Ion Ratio Lower Upper

225 100

223 63.0 32.9 98.6

227 62.8 31.6 94.8





#95

Naphthalene

Concen: 170.179 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

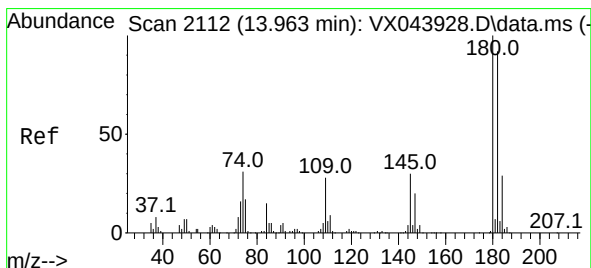
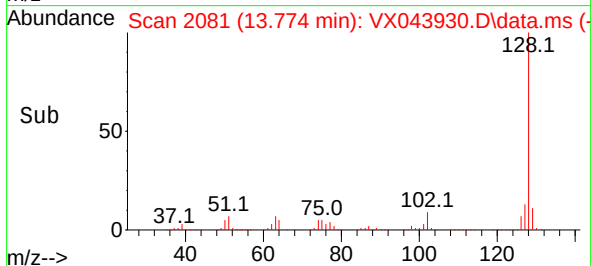
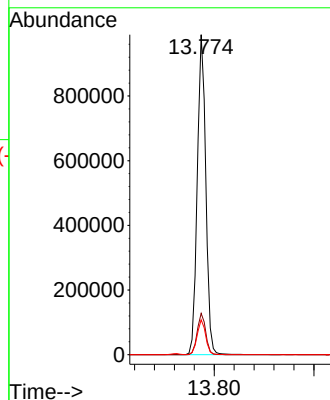
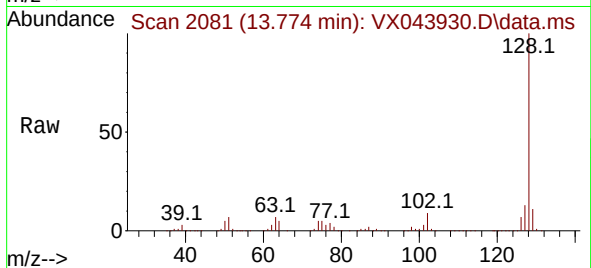
Tgt Ion:128 Resp: 1173154

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 168.544 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

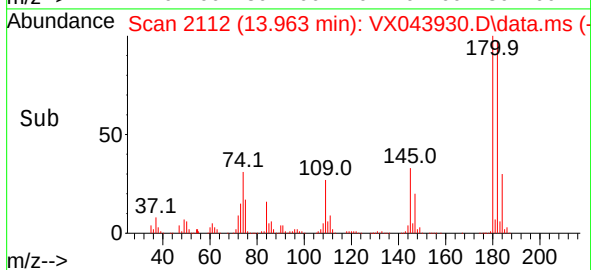
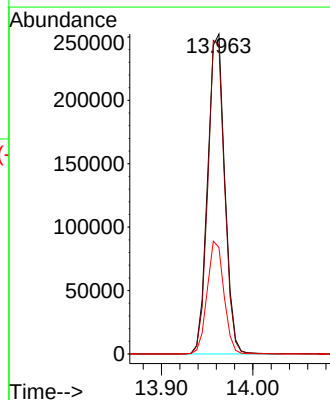
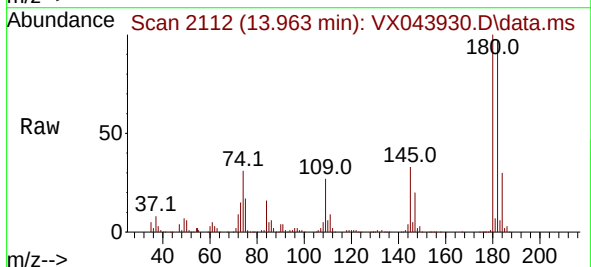
Tgt Ion:180 Resp: 326693

Ion Ratio Lower Upper

180 100

182 96.5 45.6 136.8

145 34.6 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	131073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	198776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96489	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112818	50.183	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.360%	
35) Dibromofluoromethane	5.379	113	85815	52.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.880%	
50) Toluene-d8	8.647	98	289000	51.234	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	11.079	95	103640	53.987	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.980%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	83916	50.537	ug/l 99
3) Chloromethane	1.295	50	85795	49.100	ug/l 98
4) Vinyl Chloride	1.374	62	93147	50.118	ug/l 97
5) Bromomethane	1.593	94	53783	47.040	ug/l 100
6) Chloroethane	1.660	64	46342	40.921	ug/l 100
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l 99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l 100
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l 98
10) Methyl Iodide	2.441	142	96234	48.614	ug/l 100
11) Tert butyl alcohol	2.995	59	85927	238.127	ug/l 99
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l 99
13) Acrolein	2.233	56	89571	235.500	ug/l 98
14) Allyl chloride	2.654	41	127367	51.610	ug/l 99
15) Acrylonitrile	3.063	53	227832	259.090	ug/l 99
16) Acetone	2.386	43	257802	249.676	ug/l 99
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l 100
18) Methyl Acetate	2.703	43	121774	50.643	ug/l 98
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l 98
20) Methylene Chloride	2.782	84	82274	46.954	ug/l 98
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l 97
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l 96
23) Vinyl Acetate	3.715	43	1189244	263.441	ug/l 100
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l 98
25) 2-Butanone	4.556	43	348803	261.804	ug/l 98
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l 100
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l 99
28) Bromochloromethane	4.891	49	62874	46.920	ug/l 96
29) Tetrahydrofuran	5.001	42	207942	254.585	ug/l 100
30) Chloroform	5.080	83	163357	49.891	ug/l 98
31) Cyclohexane	5.458	56	128482	51.278	ug/l 97
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l 99
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l 97
37) Ethyl Acetate	4.709	43	133283	52.656	ug/l 97
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l 99
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l 93
40) Benzene	6.025	78	319222	50.257	ug/l 98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.851	ug/l	99
42) 1,2-Dichloroethane	6.074	62	128623	50.421	ug/l	100
43) Isopropyl Acetate	6.336	43	207332	51.469	ug/l	99
44) Trichloroethene	7.117	130	80113	44.554	ug/l	90
45) 1,2-Dichloropropane	7.422	63	74380	47.811	ug/l	98
46) Dibromomethane	7.574	93	62345	50.662	ug/l	99
47) Bromodichloromethane	7.818	83	116199	52.648	ug/l	99
48) Methyl methacrylate	7.690	41	101062	52.284	ug/l	99
49) 1,4-Dioxane	7.659	88	31178	905.506	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520	ug/l	100
52) Toluene	8.714	92	195814	51.507	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069	ug/l	97
56) Ethyl methacrylate	9.116	69	129841	53.118	ug/l	100
57) 1,3-Dichloropropane	9.305	76	134680	50.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	235.230	ug/l	99
59) 2-Hexanone	9.427	43	504444	273.011	ug/l	100
60) Dibromochloromethane	9.519	129	82754	52.557	ug/l	99
61) 1,2-Dibromoethane	9.604	107	83098	52.367	ug/l	100
64) Tetrachloroethene	9.269	164	66054	50.396	ug/l	97
65) Chlorobenzene	10.073	112	209963	48.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515	ug/l	98
67) Ethyl Benzene	10.189	91	377215	50.991	ug/l	97
68) m/p-Xylenes	10.299	106	282971	102.572	ug/l	99
69) o-Xylene	10.640	106	138437	51.396	ug/l	98
70) Styrene	10.653	104	230449	51.728	ug/l	99
71) Bromoform	10.799	173	50837	47.449	ug/l #	98
73) Isopropylbenzene	10.957	105	365084	49.222	ug/l	99
74) N-amyl acetate	10.842	43	176627	51.406	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	139865	66.099	ug/l	83
77) Bromobenzene	11.195	156	85070	48.081	ug/l	99
78) n-propylbenzene	11.305	91	419586	50.652	ug/l	99
79) 2-Chlorotoluene	11.360	91	249079	47.551	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	305922	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	38583	49.756	ug/l	98
82) 4-Chlorotoluene	11.451	91	287717	48.652	ug/l	100
83) tert-Butylbenzene	11.713	119	303408	50.165	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410	ug/l	100
85) sec-Butylbenzene	11.890	105	372793	50.307	ug/l	99
86) p-Isopropyltoluene	12.006	119	310060	51.511	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155422	47.306	ug/l	97
89) n-Butylbenzene	12.329	91	276075	52.020	ug/l	99
90) Hexachloroethane	12.536	117	51229	50.050	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	154980	47.656	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25968	51.030	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495	ug/l	99
94) Hexachlorobutadiene	13.725	225	37937	50.065	ug/l	97
95) Naphthalene	13.774	128	357725	51.831	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	99447	51.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

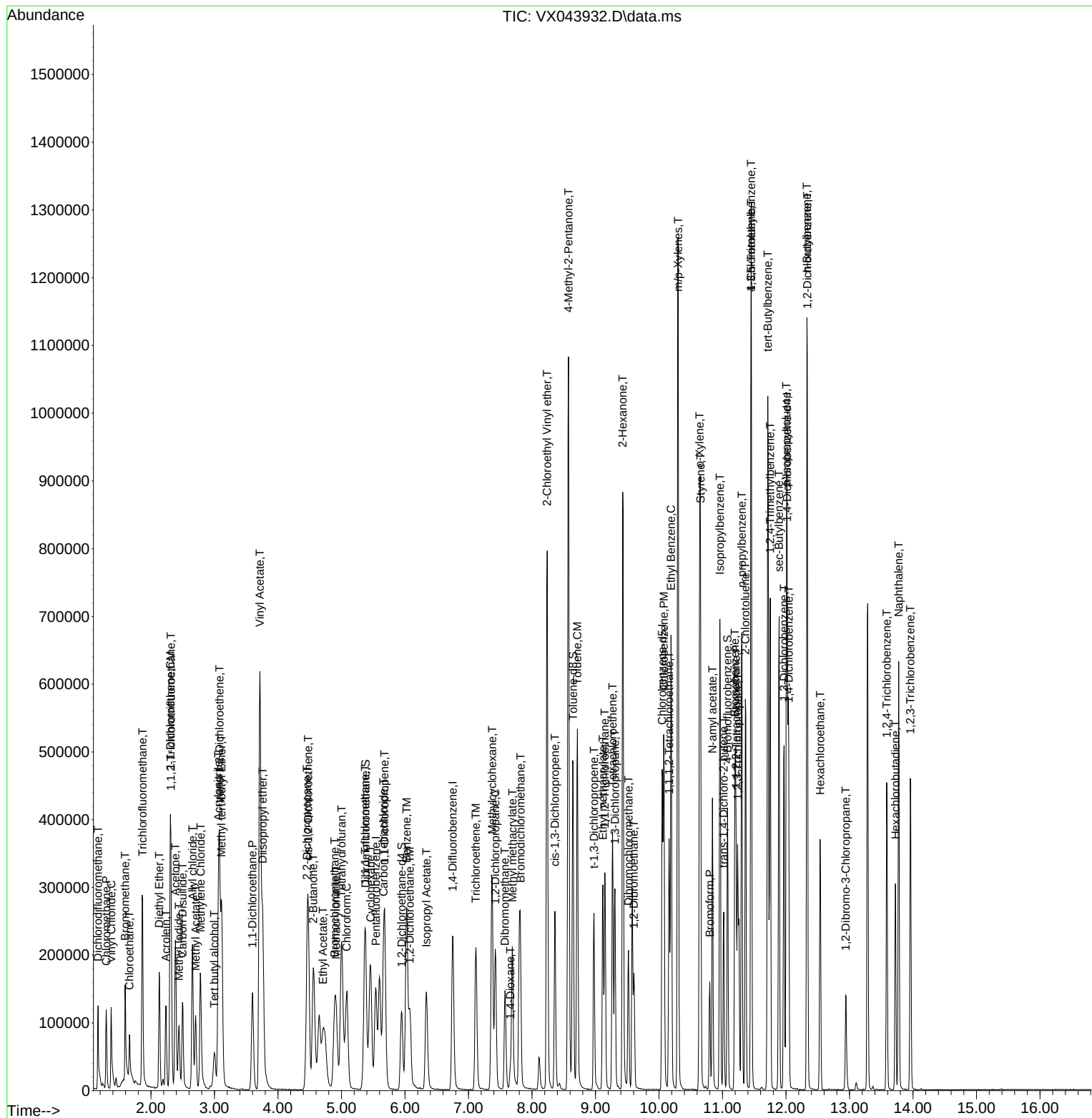
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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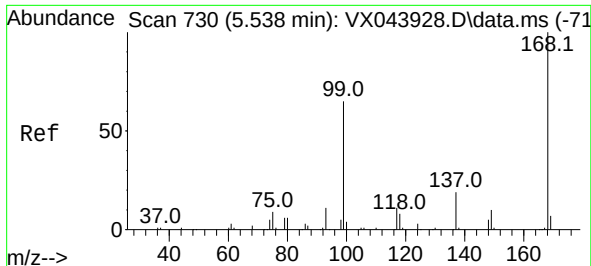
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On    : 21 Nov 2024 13:57
Operator  : JC/MD
Sample    : VSTDICV050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 20 Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

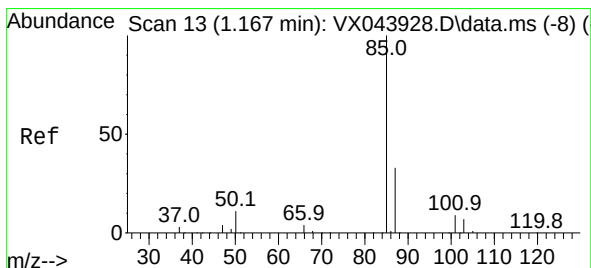
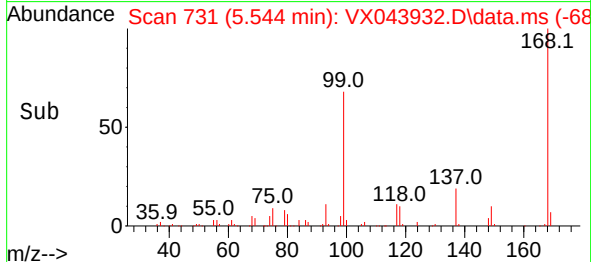
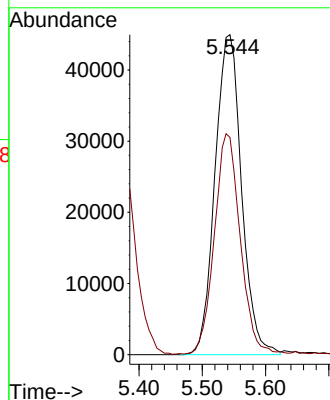
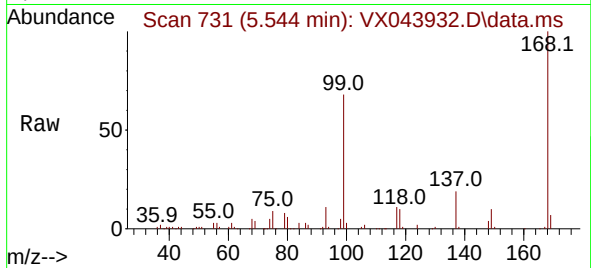




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

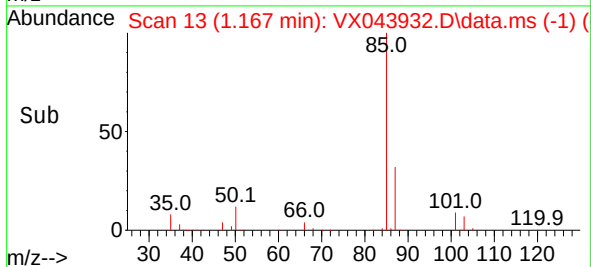
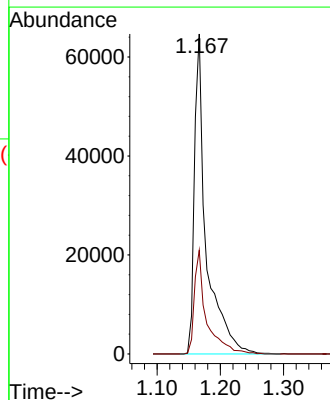
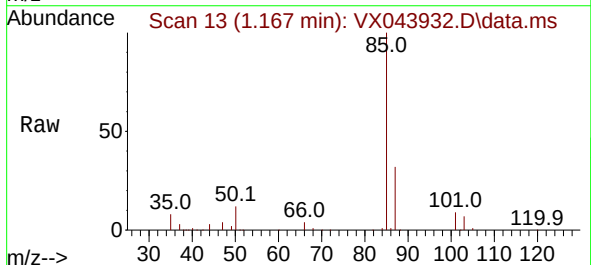
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

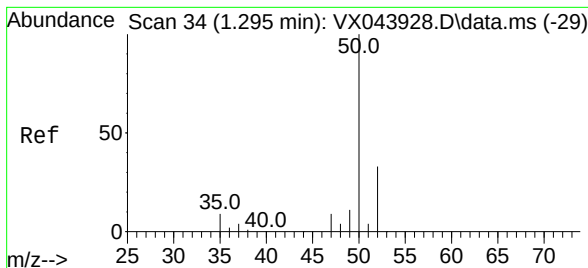
Tgt Ion:168 Resp: 131073
Ion Ratio Lower Upper
168 100
99 67.5 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916
Ion Ratio Lower Upper
85 100
87 32.4 16.6 49.8





#3

Chloromethane

Concen: 49.100 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

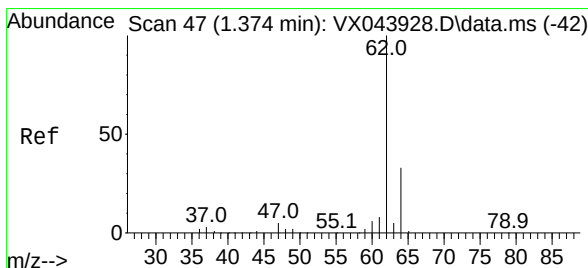
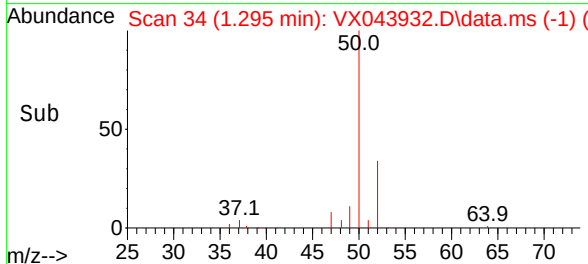
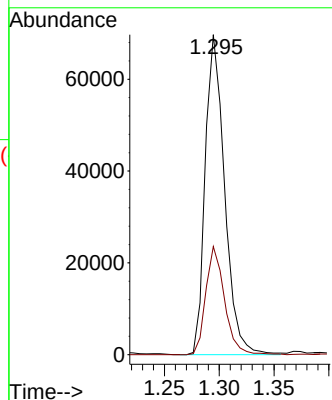
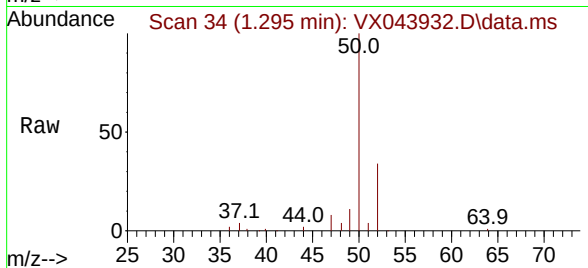
ICVVX112124

Tgt Ion: 50 Resp: 85795

Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1



#4

Vinyl Chloride

Concen: 50.118 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043932.D

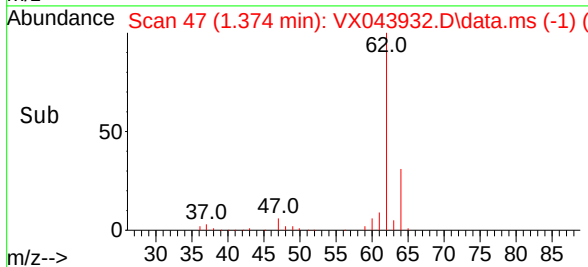
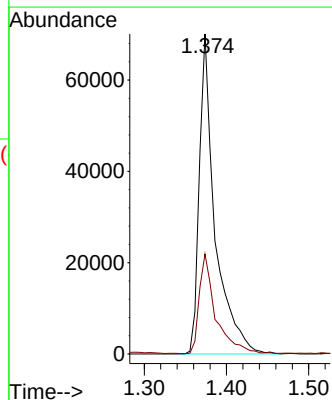
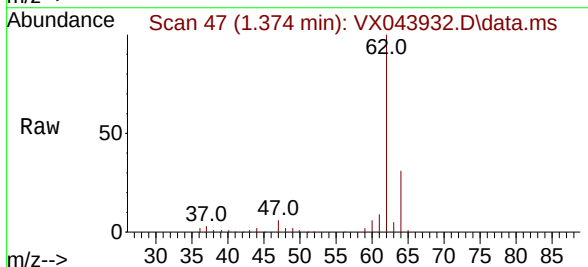
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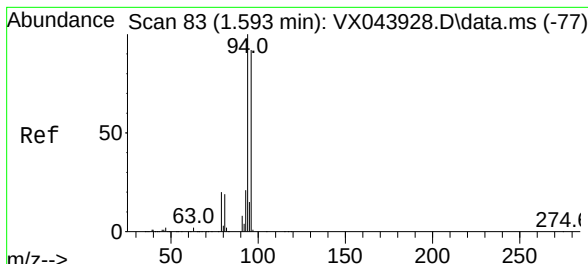
Tgt Ion: 62 Resp: 93147

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4

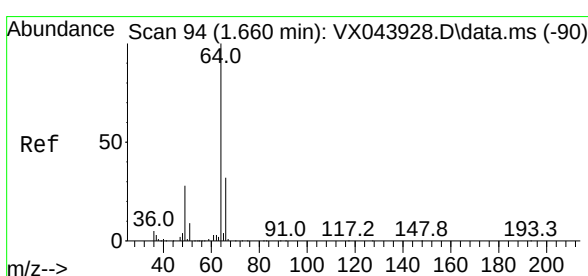
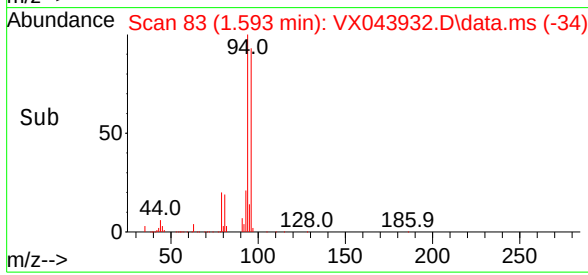
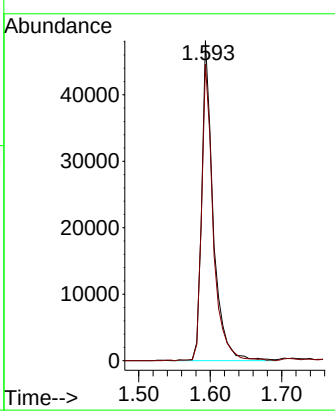
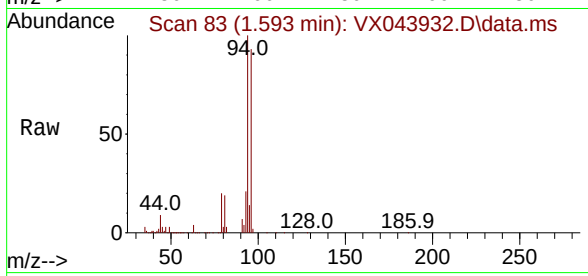




#5
 Bromomethane
 Concen: 47.040 ug/l
 RT: 1.593 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VX043932.D
 Acq: 21 Nov 2024 13:57

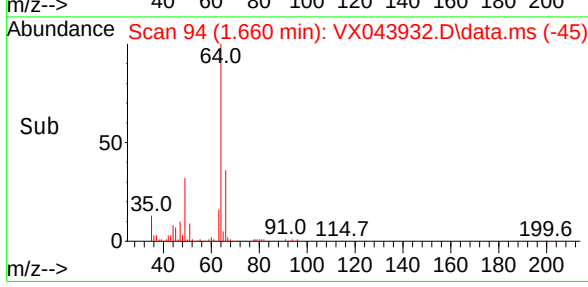
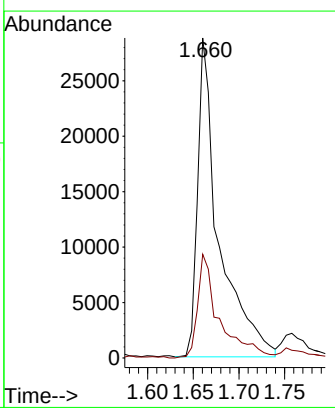
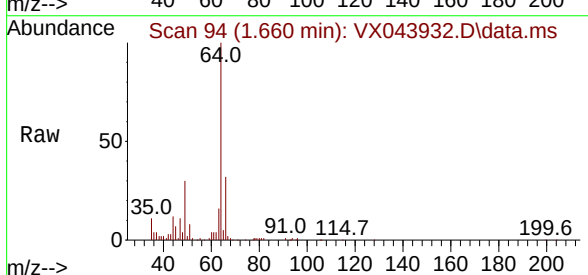
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

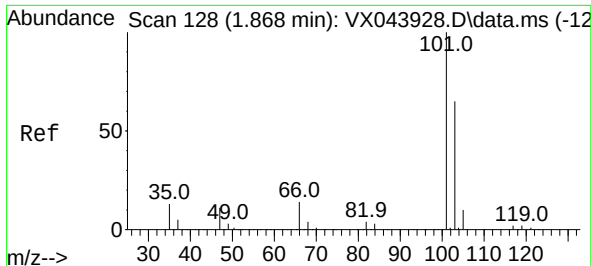
Tgt Ion:	94	Resp:	53783
Ion Ratio	Lower	Upper	
94	100		
96	92.7	73.9	110.9



#6
 Chloroethane
 Concen: 40.921 ug/l
 RT: 1.660 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VX043932.D
 Acq: 21 Nov 2024 13:57

Tgt Ion:	64	Resp:	46342
Ion Ratio	Lower	Upper	
64	100		
66	32.5	25.9	38.9

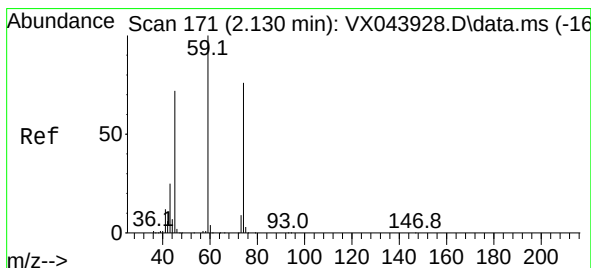
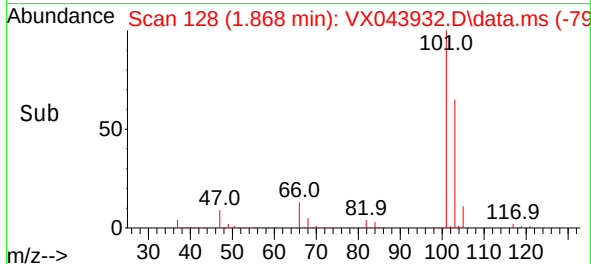
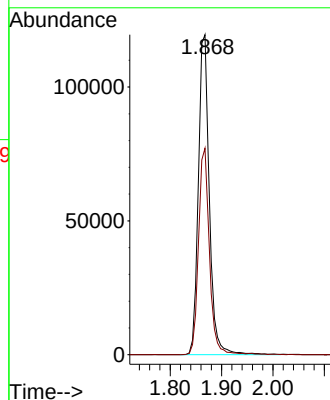
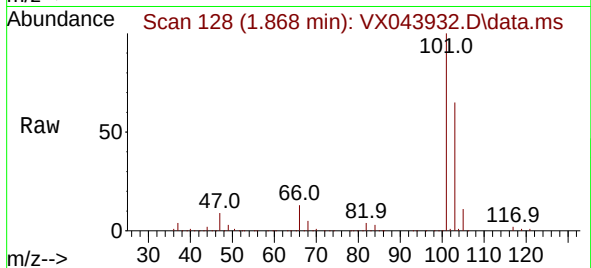




#7
 Trichlorofluoromethane
 Concen: 53.407 ug/l
 RT: 1.868 min Scan# 128
 Delta R.T. -0.000 min
 Lab File: VX043932.D
 Acq: 21 Nov 2024 13:57

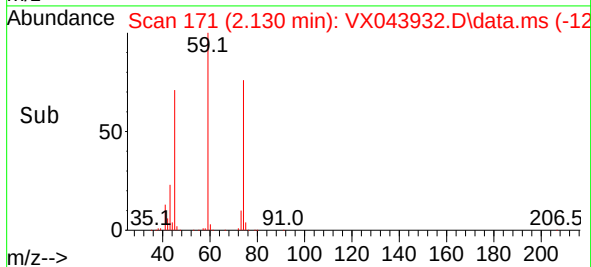
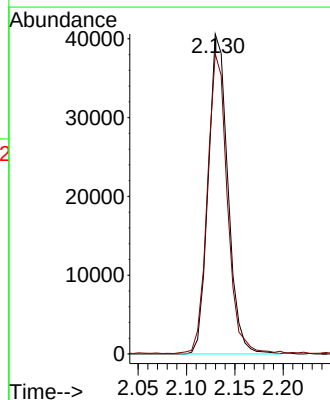
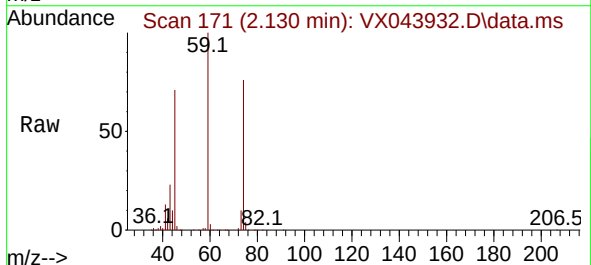
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

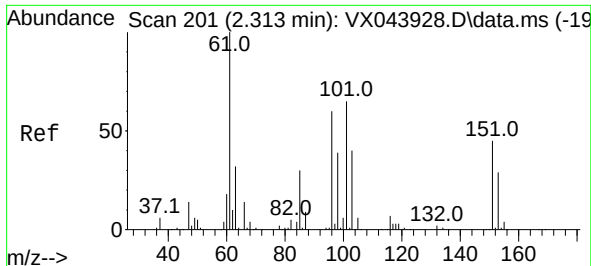
Tgt Ion:101 Resp: 177461
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.2



#8
 Diethyl Ether
 Concen: 47.345 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VX043932.D
 Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339
 Ion Ratio Lower Upper
 74 100
 45 95.6 47.9 143.6

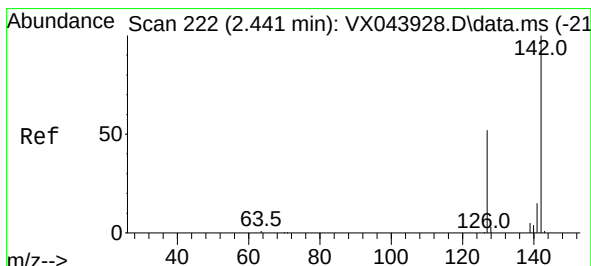
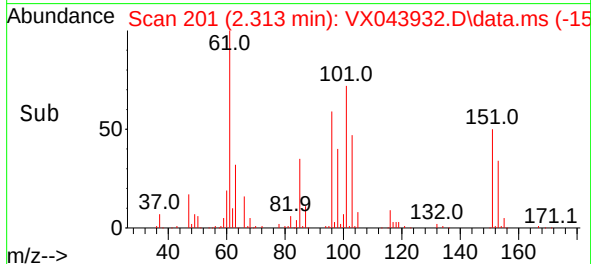
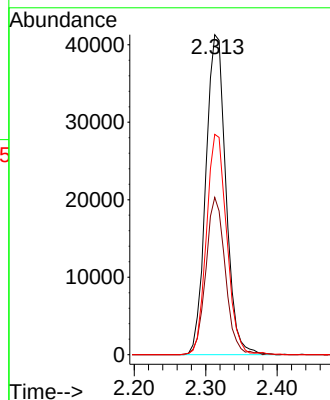
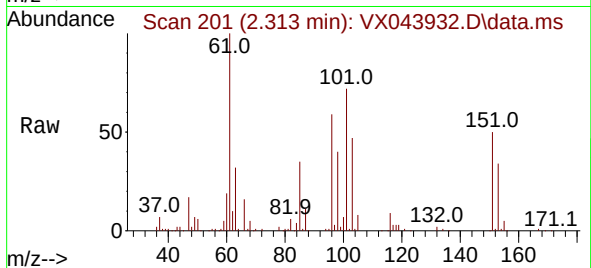




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

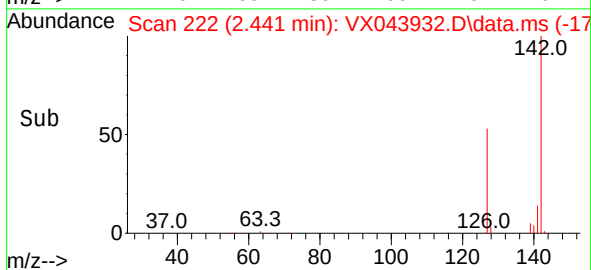
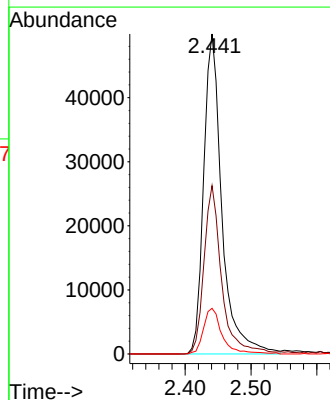
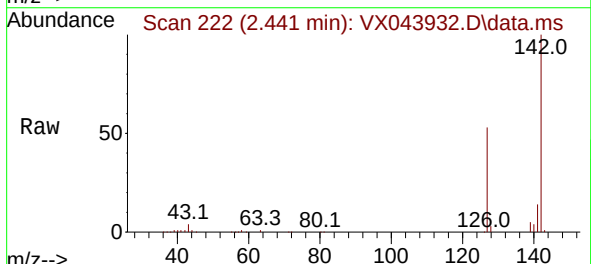
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

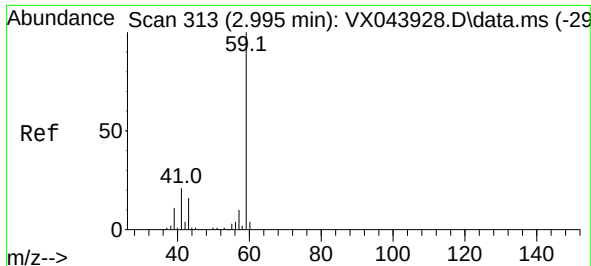
Tgt Ion:101 Resp: 80458
Ion Ratio Lower Upper
101 100
85 47.7 37.9 56.9
151 69.3 57.5 86.3



#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234
Ion Ratio Lower Upper
142 100
127 50.9 40.7 61.1
141 14.6 12.0 18.0

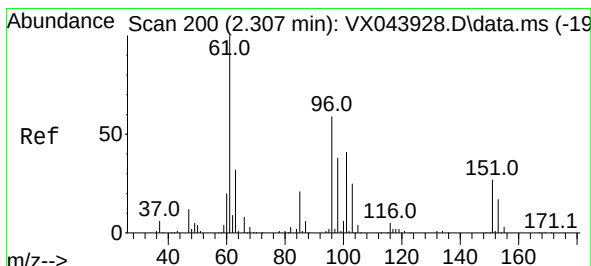
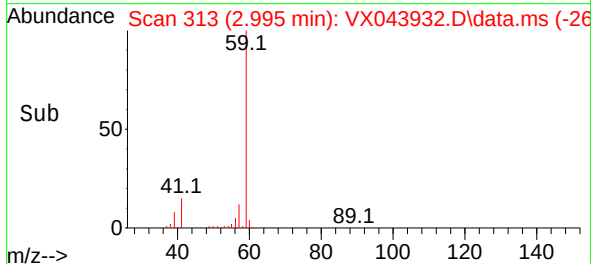
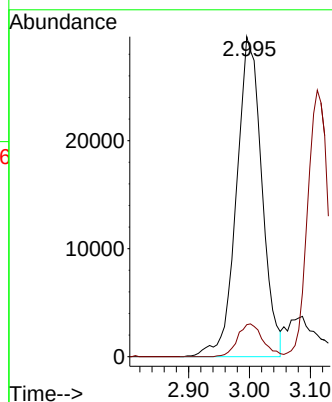
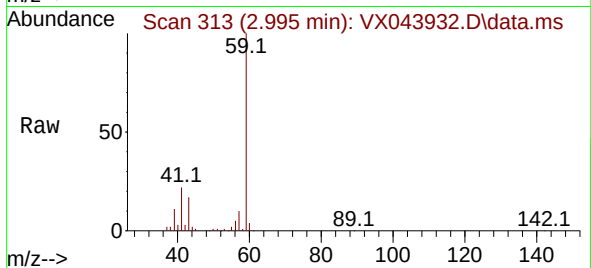




#11
Tert butyl alcohol
Concen: 238.127 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

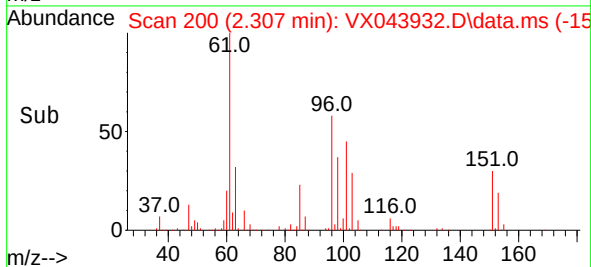
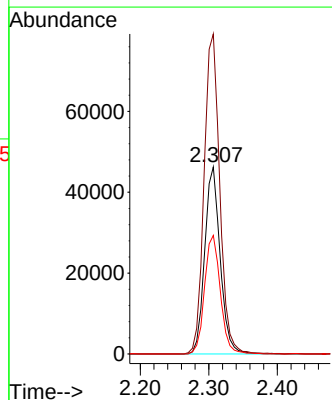
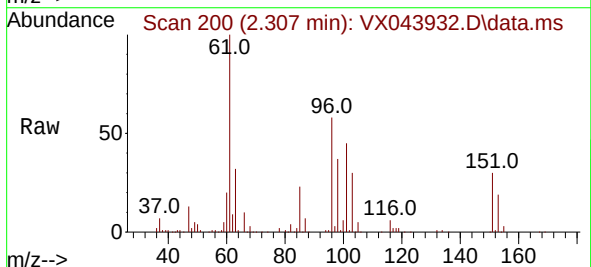
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

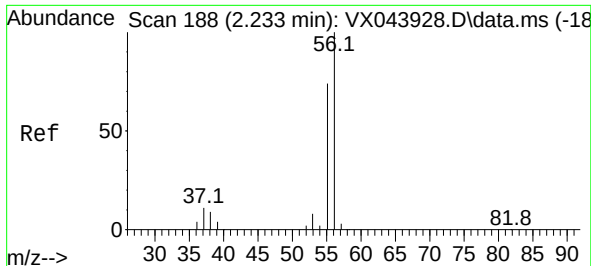
Tgt Ion: 59 Resp: 85927
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9



#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787
Ion Ratio Lower Upper
96 100
61 171.1 135.5 203.3
98 63.4 50.8 76.2

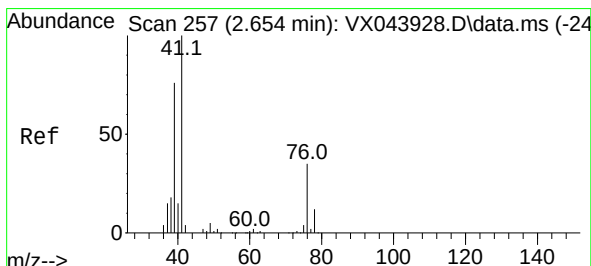
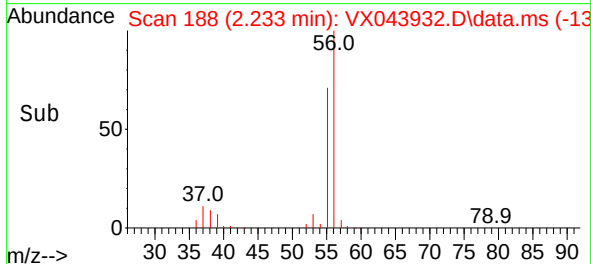
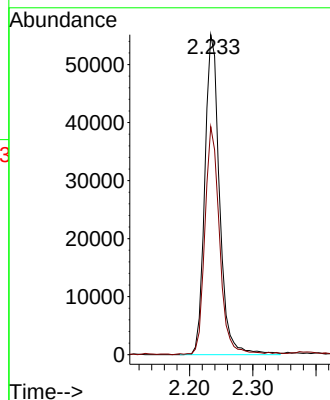
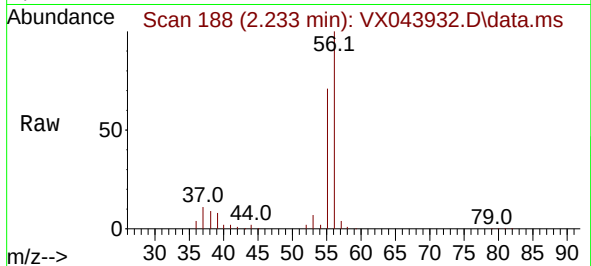




#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

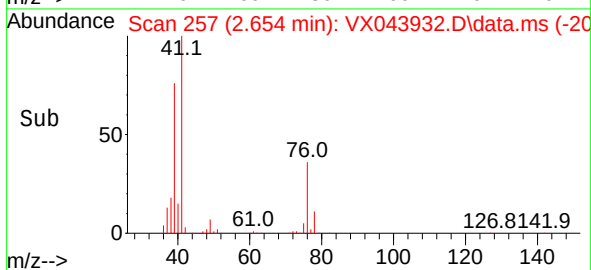
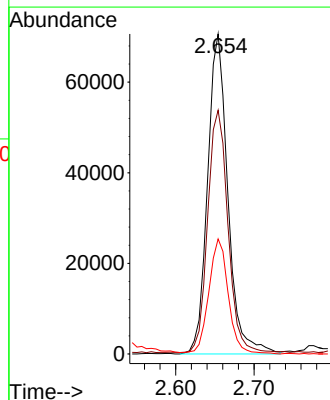
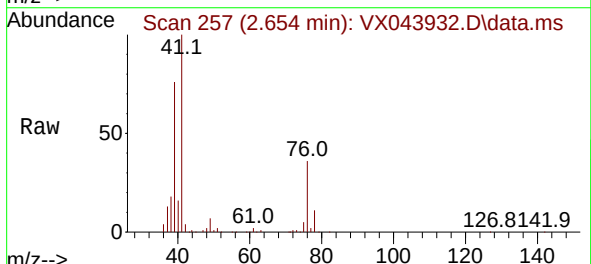
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

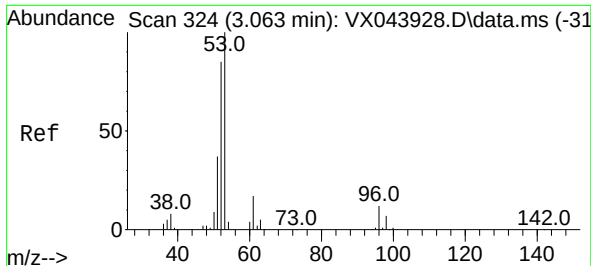
Tgt Ion: 56 Resp: 89571
Ion Ratio Lower Upper
56 100
55 70.9 58.2 87.2



#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367
Ion Ratio Lower Upper
41 100
39 75.3 59.5 89.3
76 34.5 27.4 41.2

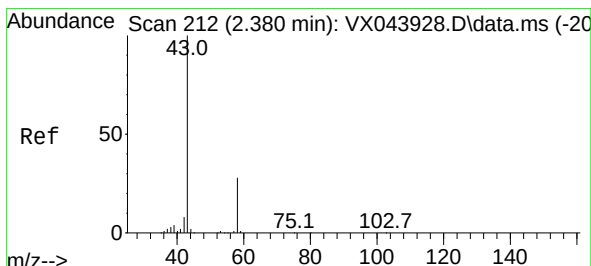
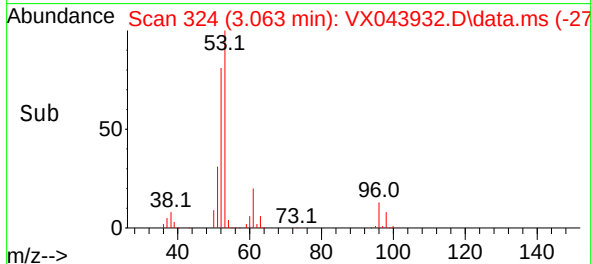
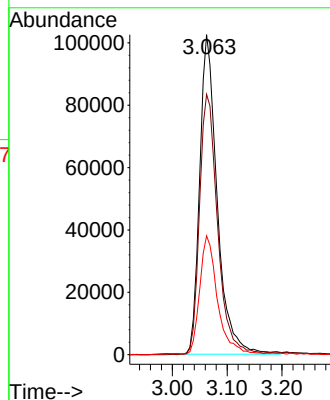
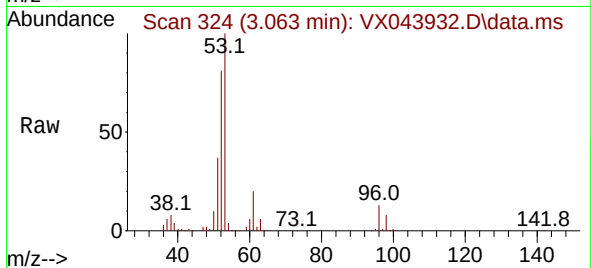




#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

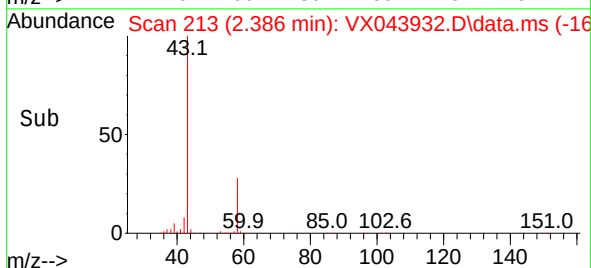
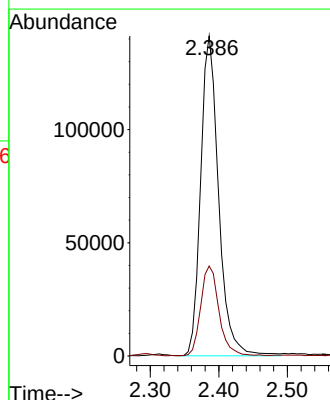
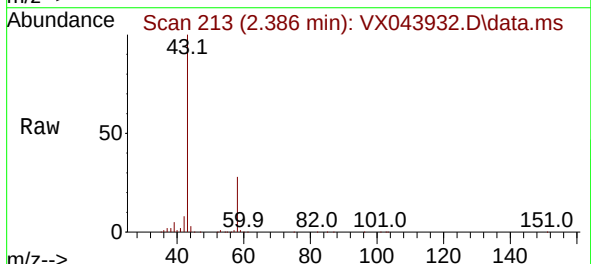
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

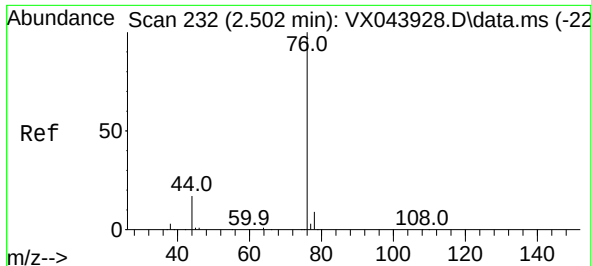
Tgt Ion: 53 Resp: 227832
Ion Ratio Lower Upper
53 100
52 84.3 66.5 99.7
51 37.2 30.2 45.4



#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1

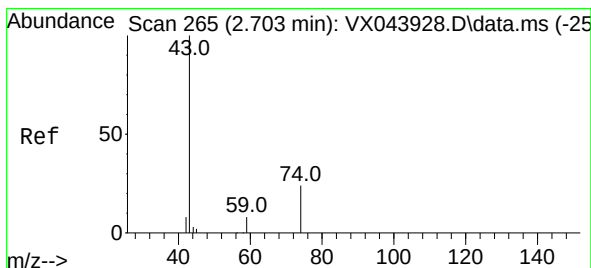
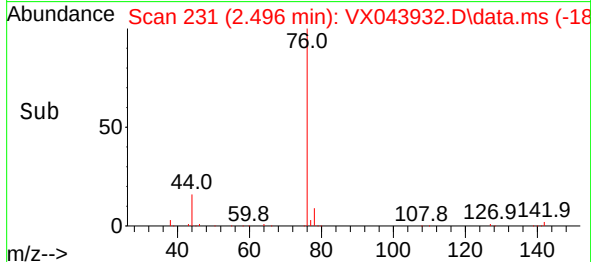
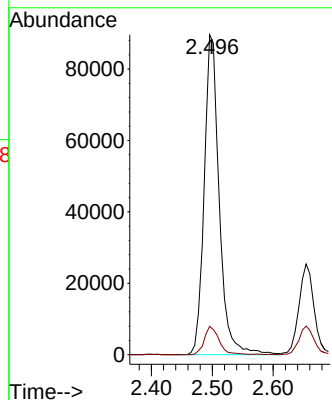
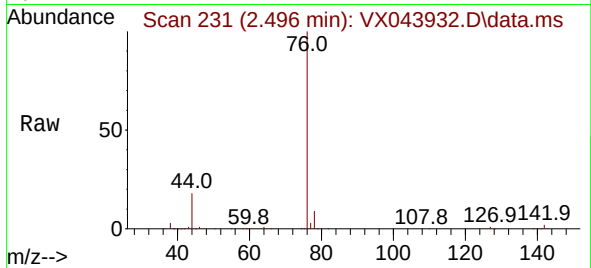




#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 24
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

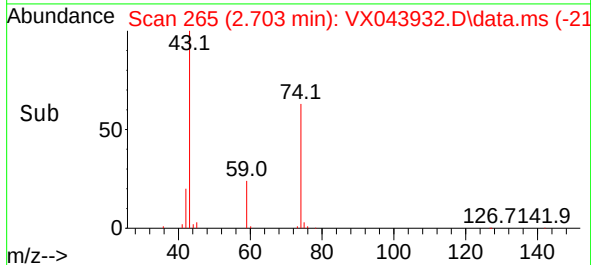
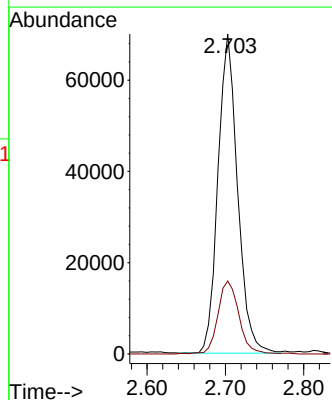
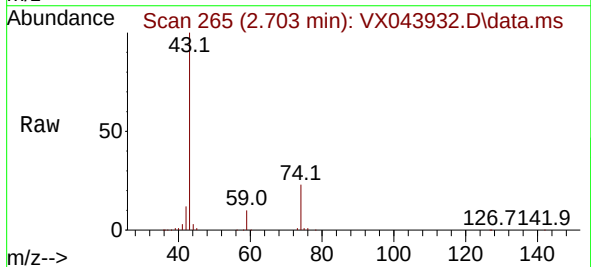
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

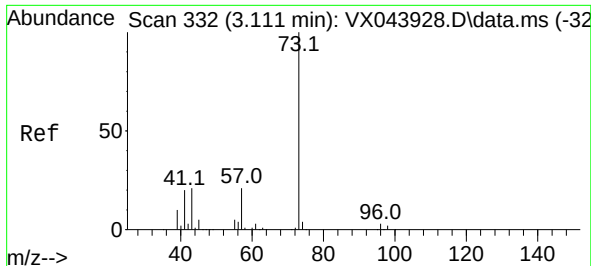
Tgt Ion: 76 Resp: 153826
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774
Ion Ratio Lower Upper
43 100
74 24.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 50.186 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

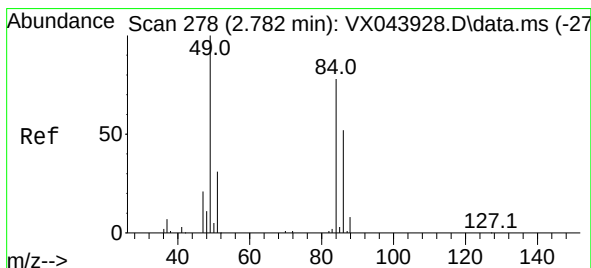
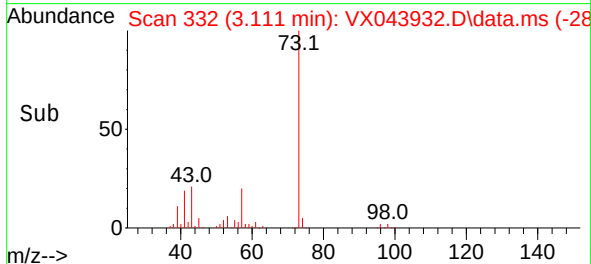
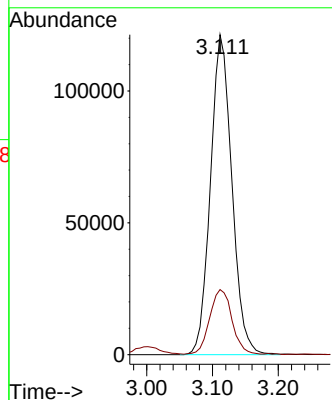
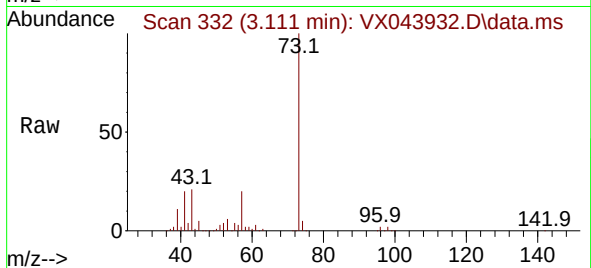
ICVX112124

Tgt Ion: 73 Resp: 275221

Ion Ratio Lower Upper

73 100

57 20.2 17.0 25.6



#20

Methylene Chloride

Concen: 46.954 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

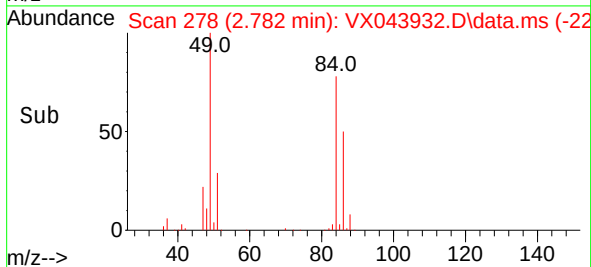
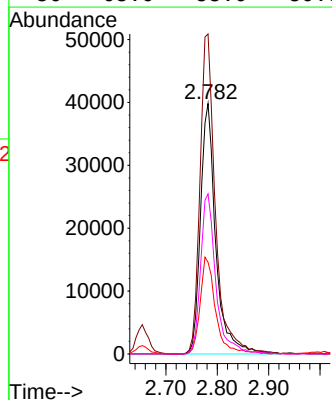
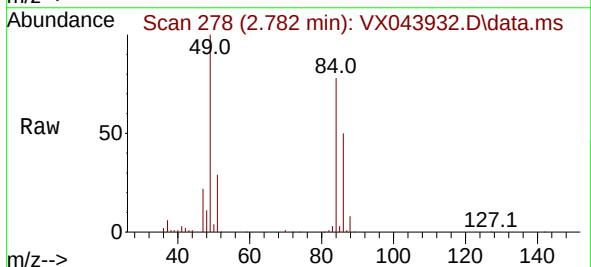
Ion Ratio Lower Upper

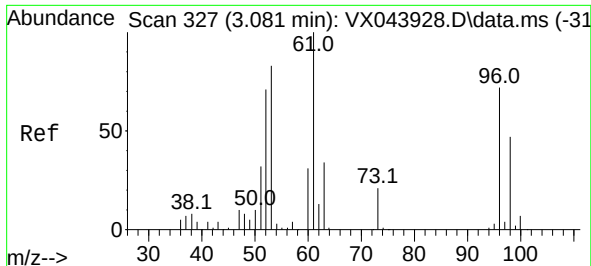
84 100

49 127.8 102.7 154.1

51 36.6 31.7 47.5

86 63.9 53.9 80.9

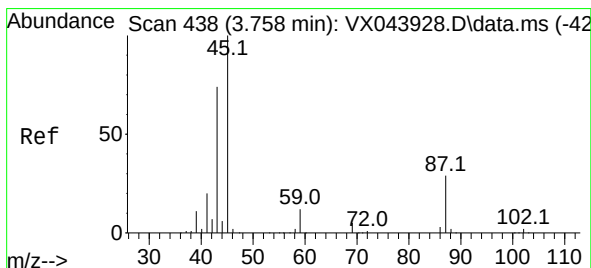
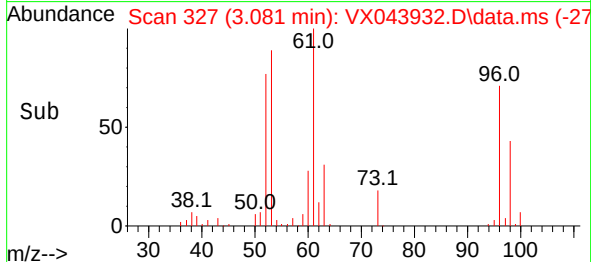
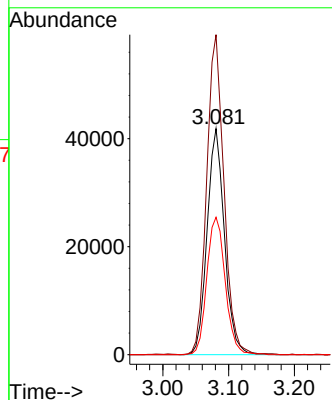
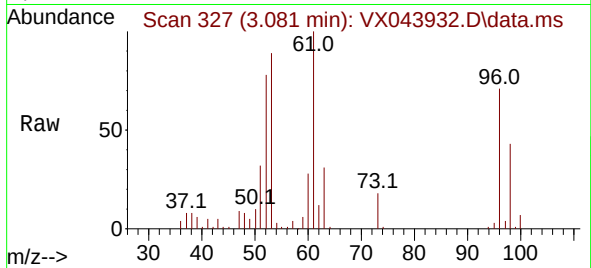




#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

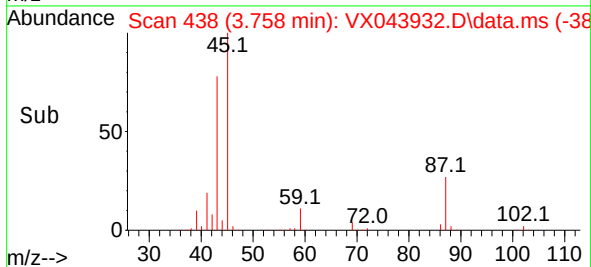
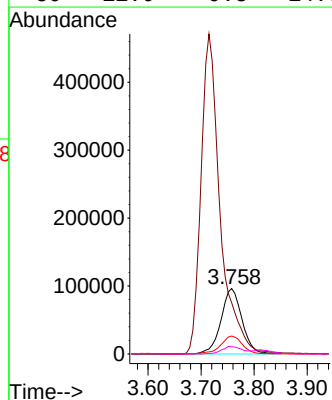
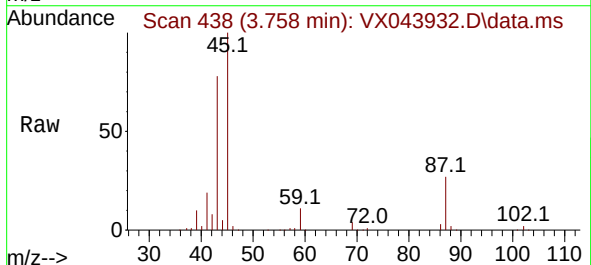
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

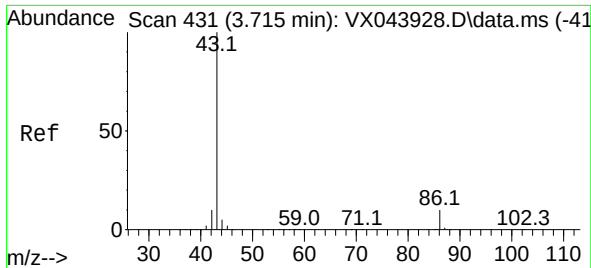
Tgt Ion: 96 Resp: 76687
Ion Ratio Lower Upper
96 100
61 141.5 111.8 167.6
98 60.8 52.7 79.1



#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554
Ion Ratio Lower Upper
45 100
43 78.0 59.6 89.4
87 27.4 22.9 34.3
59 11.0 9.8 14.6

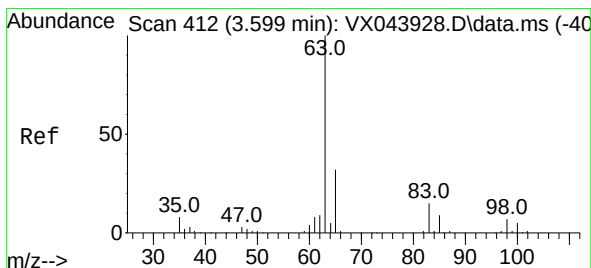
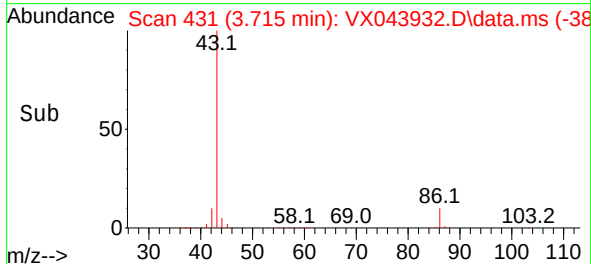
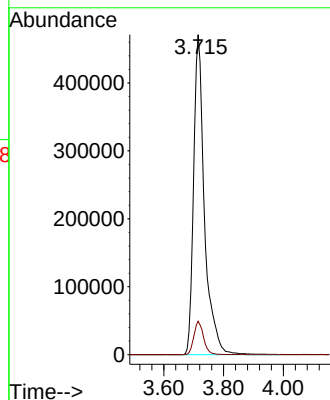
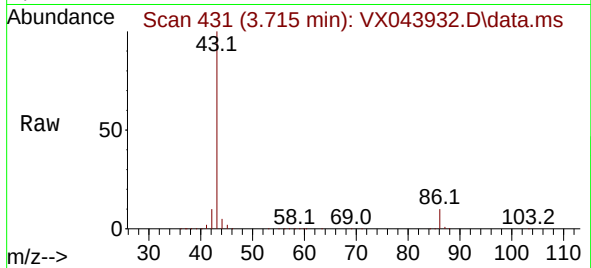




#23
 Vinyl Acetate
 Concen: 263.441 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX043932.D
 Acq: 21 Nov 2024 13:57

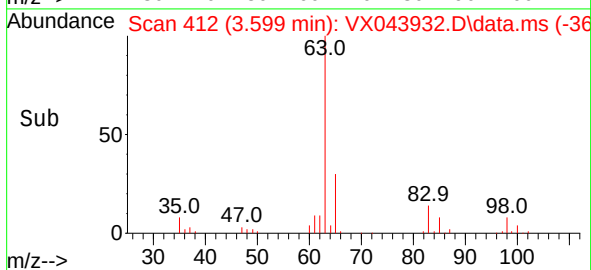
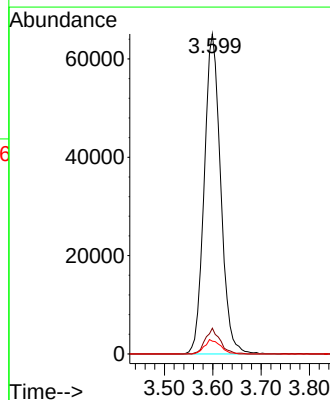
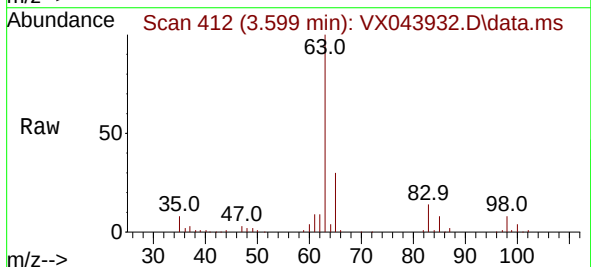
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

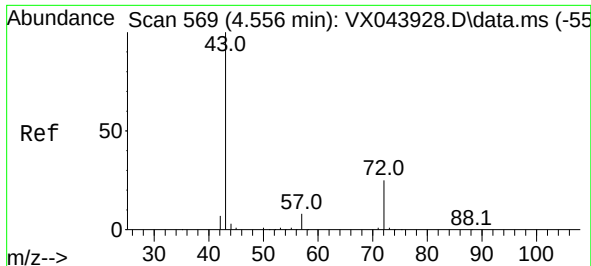
Tgt Ion: 43 Resp: 1189244
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 50.466 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VX043932.D
 Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.5 10.6
 100 4.0 2.4 7.1





#25

2-Butanone

Concen: 261.804 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

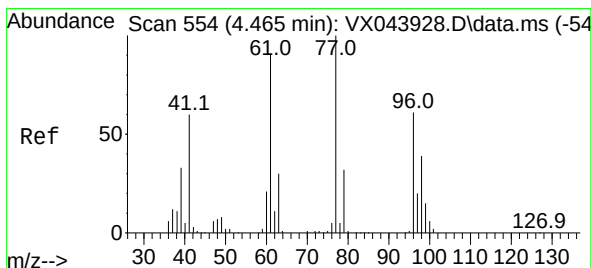
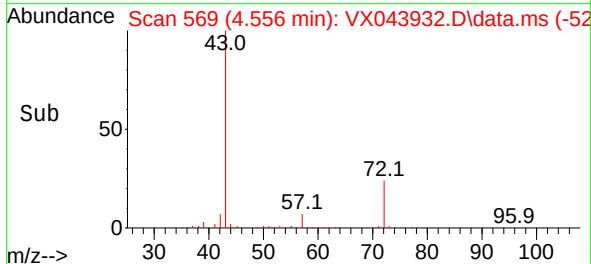
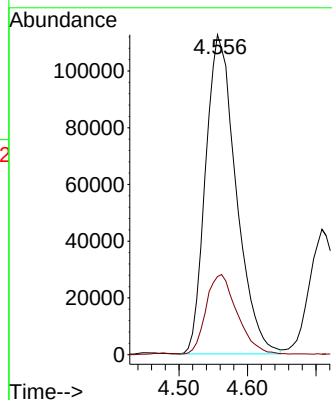
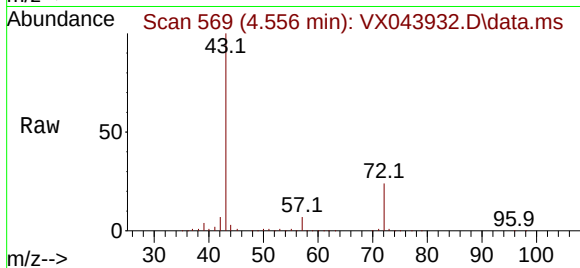
ICVX112124

Tgt Ion: 43 Resp: 348803

Ion Ratio Lower Upper

43 100

72 24.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 52.343 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX043932.D

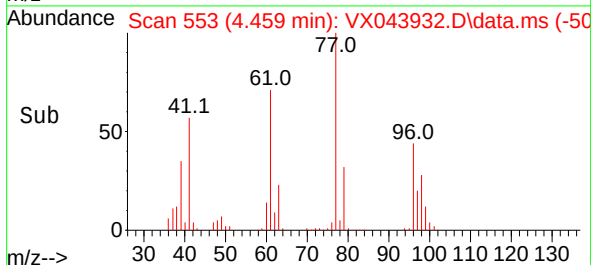
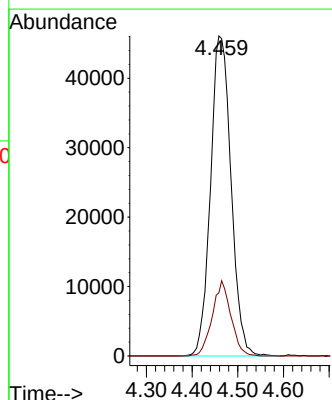
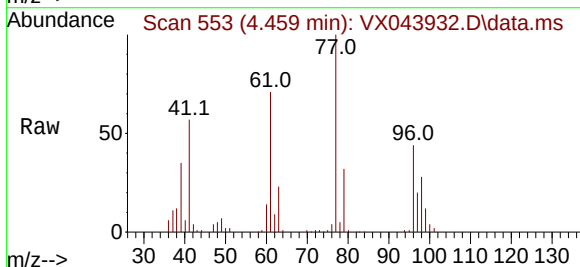
Acq: 21 Nov 2024 13:57

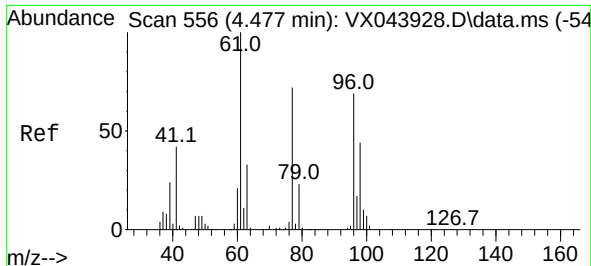
Tgt Ion: 77 Resp: 143910

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.3

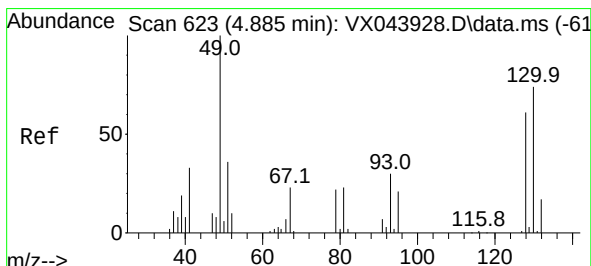
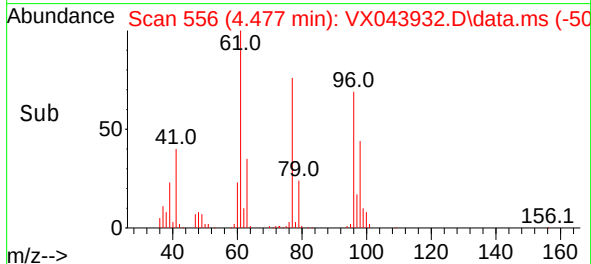
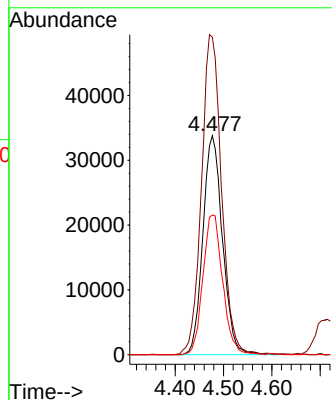
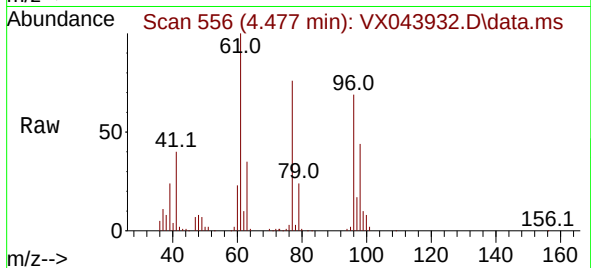




#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

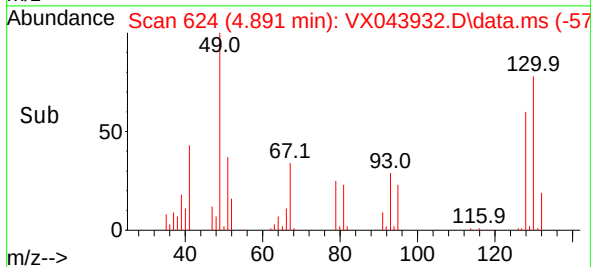
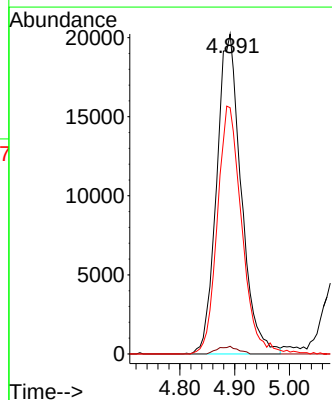
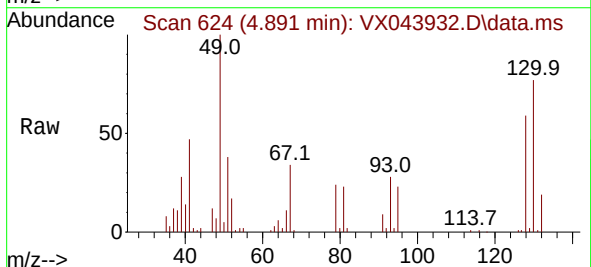
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

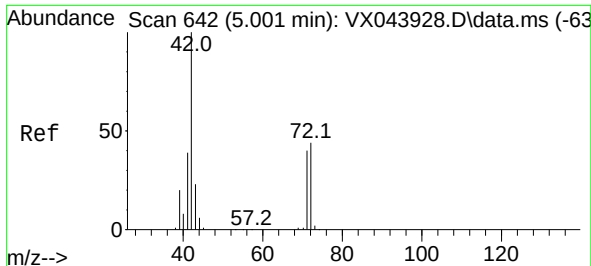
Tgt Ion: 96 Resp: 95076
Ion Ratio Lower Upper
96 100
61 149.6 0.0 297.4
98 64.3 0.0 127.8



#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 77.3 59.0 88.6





#29

Tetrahydrofuran

Concen: 254.585 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

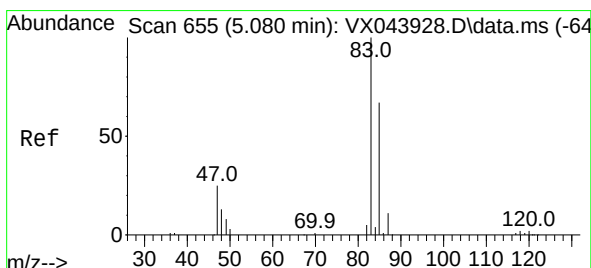
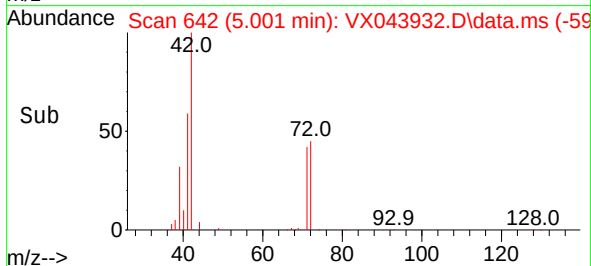
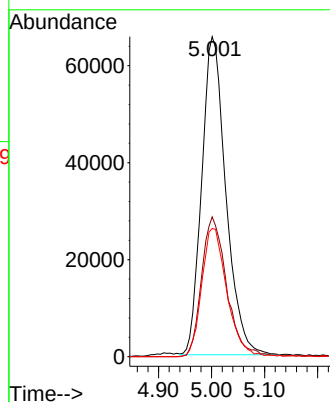
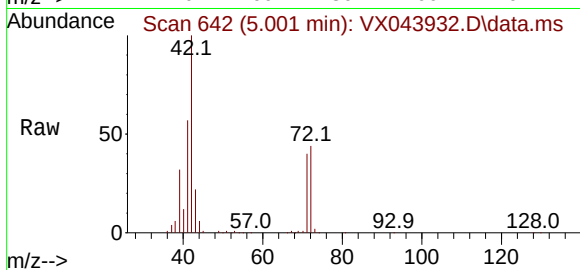
Tgt Ion: 42 Resp: 207942

Ion Ratio Lower Upper

42 100

72 45.6 36.4 54.6

71 42.0 33.4 50.0



#30

Chloroform

Concen: 49.891 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX043932.D

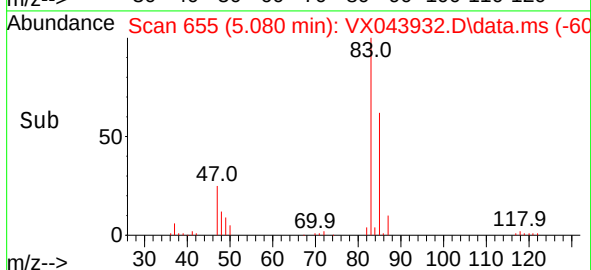
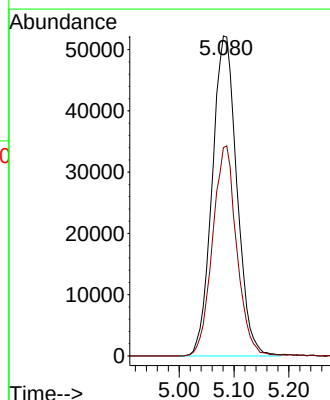
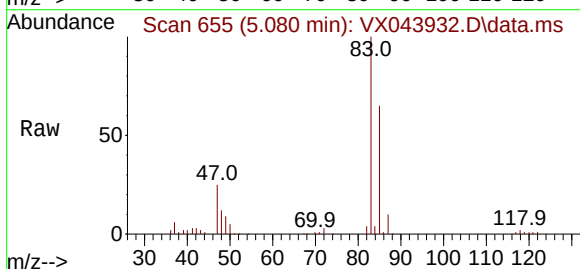
Acq: 21 Nov 2024 13:57

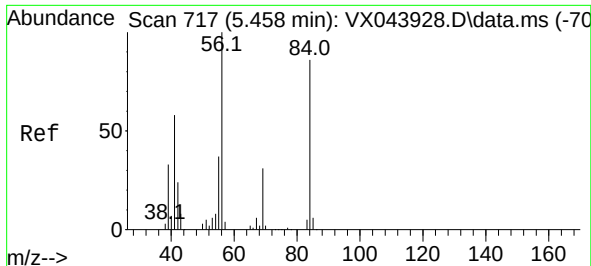
Tgt Ion: 83 Resp: 163357

Ion Ratio Lower Upper

83 100

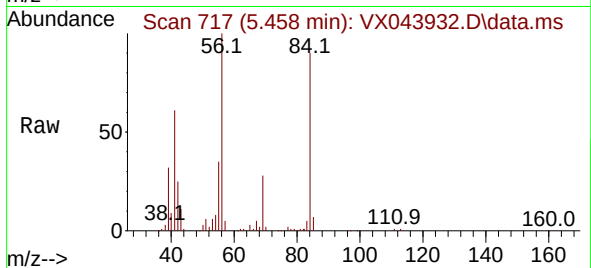
85 65.1 53.5 80.3



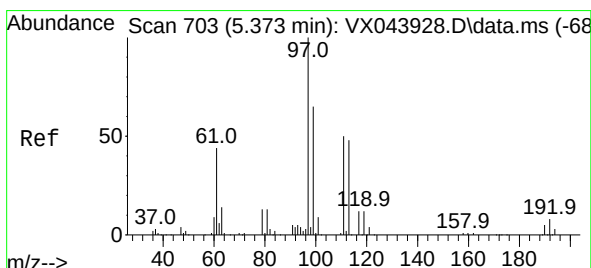
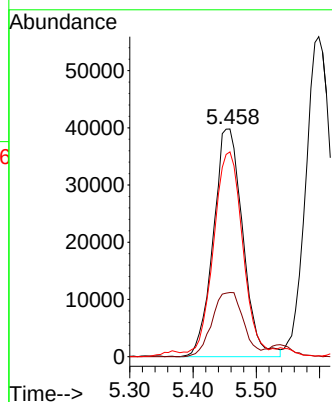
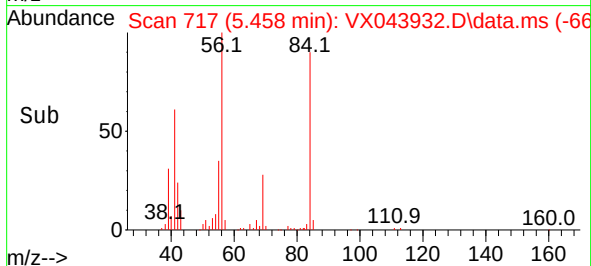


#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

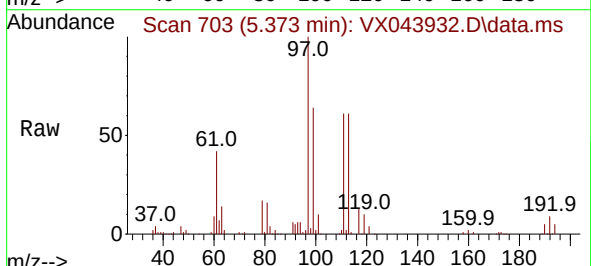
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124



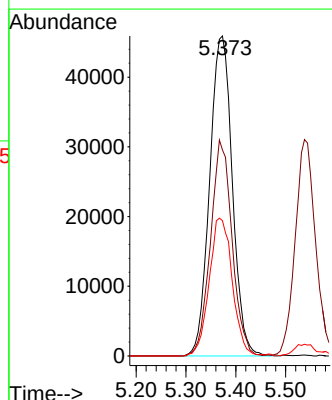
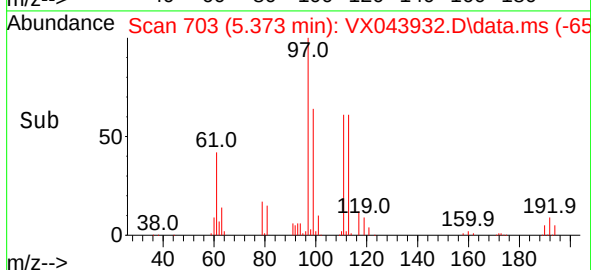
Tgt Ion: 56 Resp: 128482
Ion Ratio Lower Upper
56 100
69 28.2 24.7 37.1
84 88.1 68.7 103.1

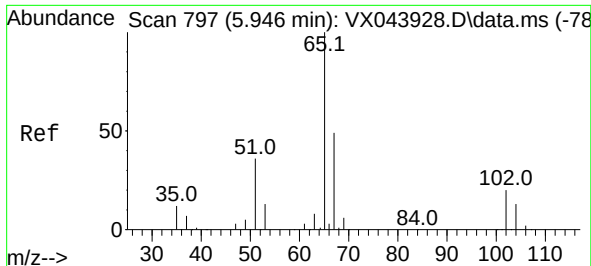


#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57



Tgt Ion: 97 Resp: 144908
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 43.8 35.4 53.2

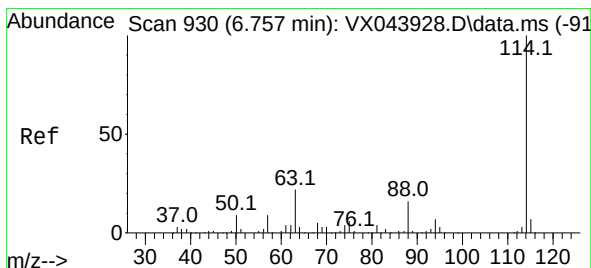
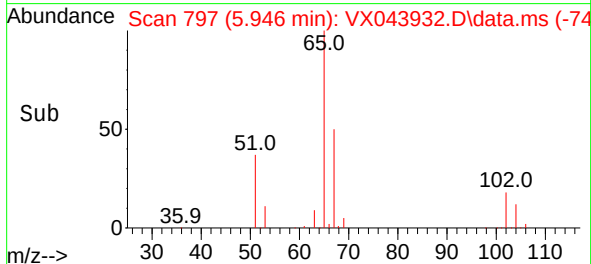
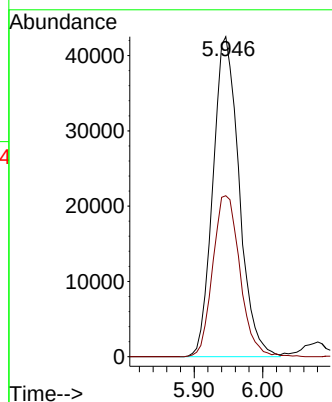
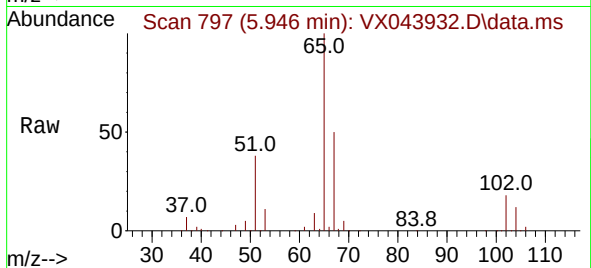




#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

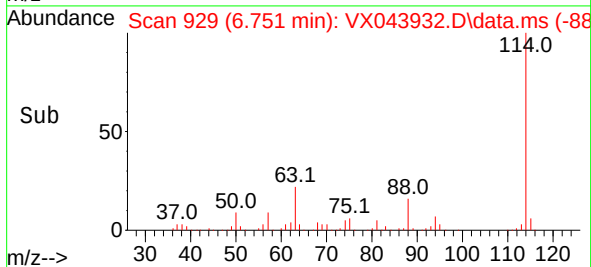
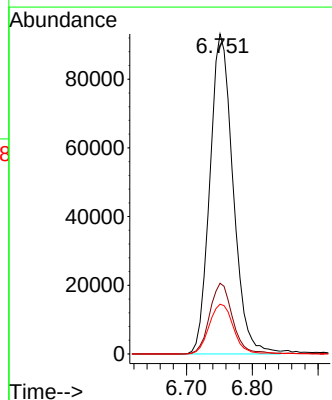
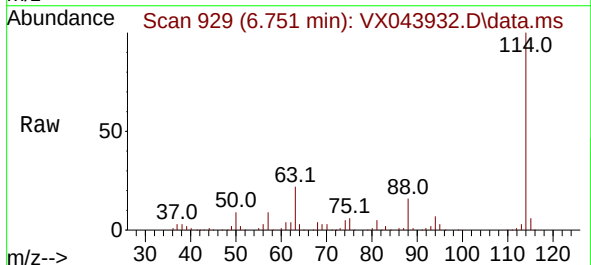
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

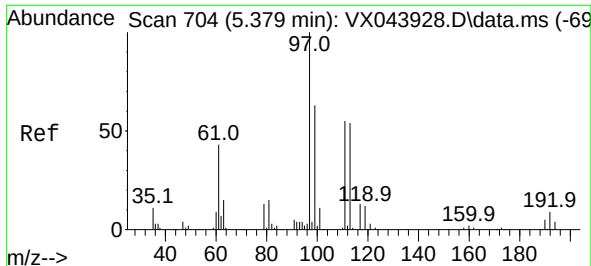
Tgt Ion: 65 Resp: 112818
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.0
88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.442 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

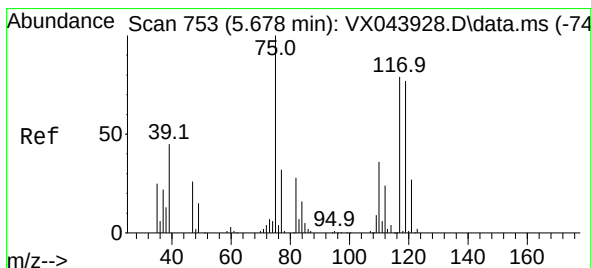
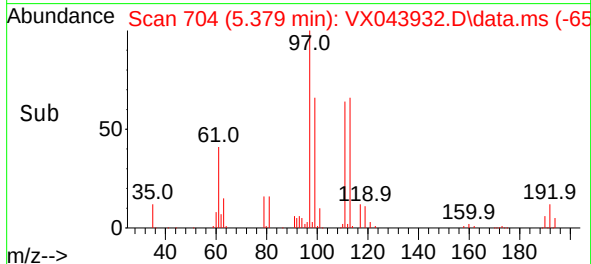
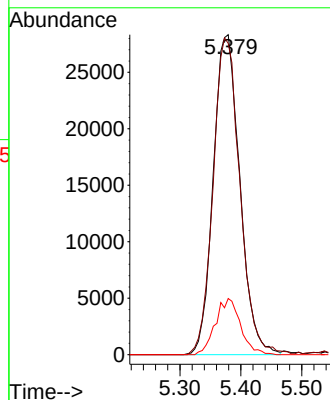
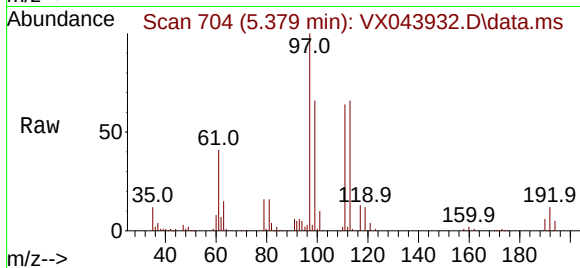
Tgt Ion:113 Resp: 85815

Ion Ratio Lower Upper

113 100

111 99.9 81.0 121.4

192 16.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 53.218 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

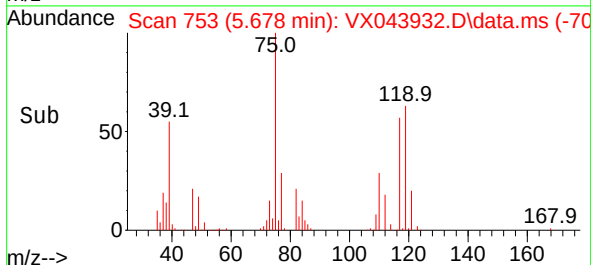
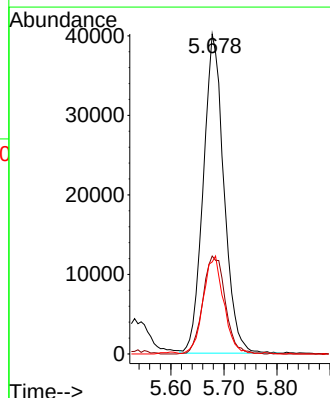
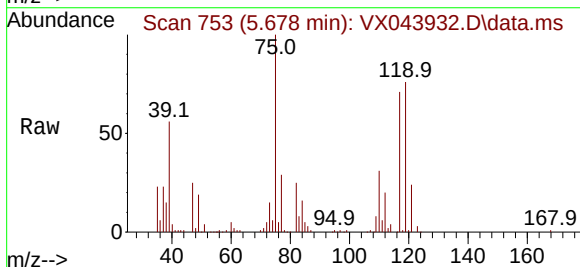
Tgt Ion: 75 Resp: 108518

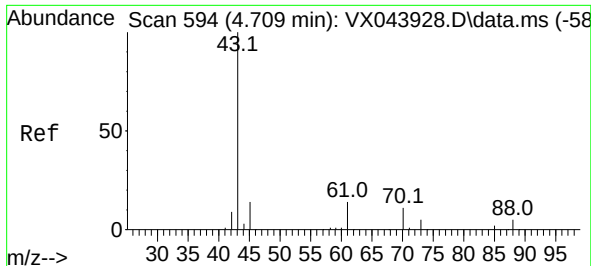
Ion Ratio Lower Upper

75 100

110 33.4 17.4 52.2

77 30.3 25.8 38.8





#37

Ethyl Acetate

Concen: 52.656 ug/l

RT: 4.709 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

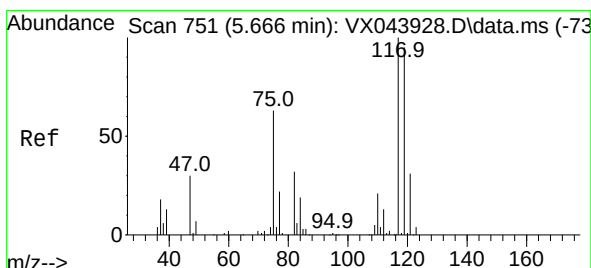
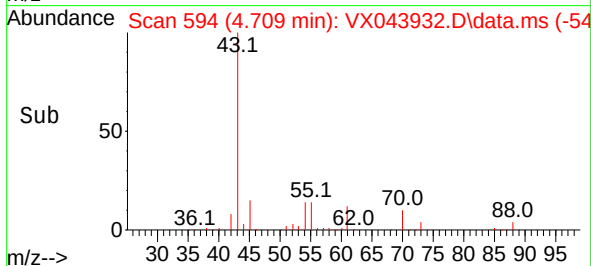
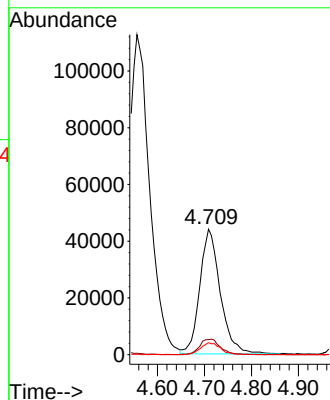
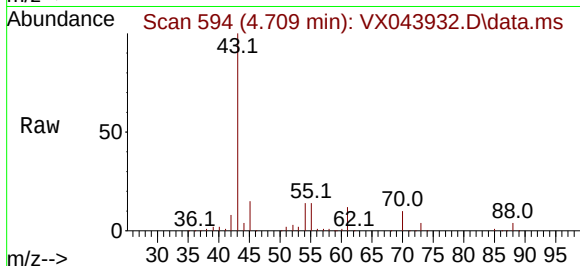
Tgt Ion: 43 Resp: 133283

Ion Ratio Lower Upper

43 100

61 12.2 10.7 16.1

70 9.3 8.0 12.0



#38

Carbon Tetrachloride

Concen: 51.786 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

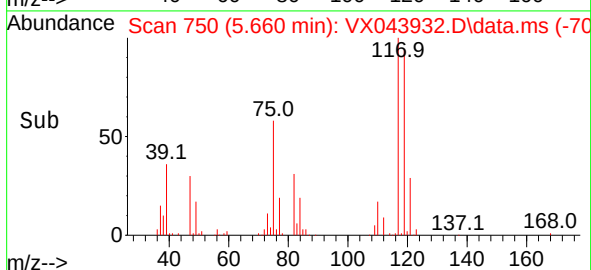
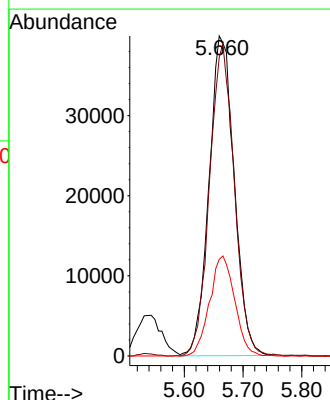
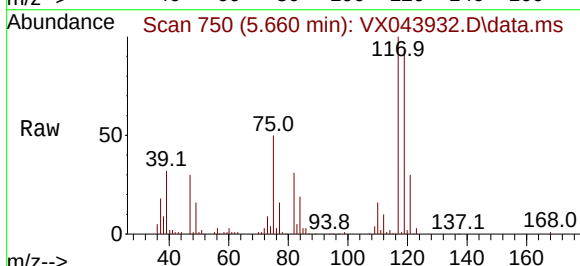
Tgt Ion: 117 Resp: 118655

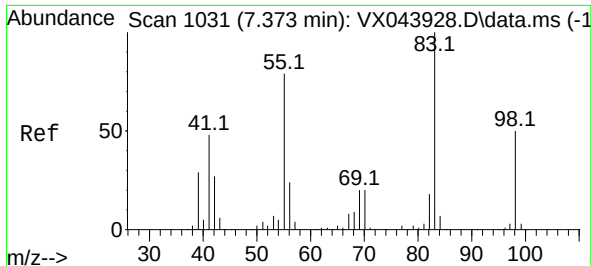
Ion Ratio Lower Upper

117 100

119 93.5 75.2 112.8

121 30.3 24.5 36.7





#39

Methylcyclohexane

Concen: 53.489 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

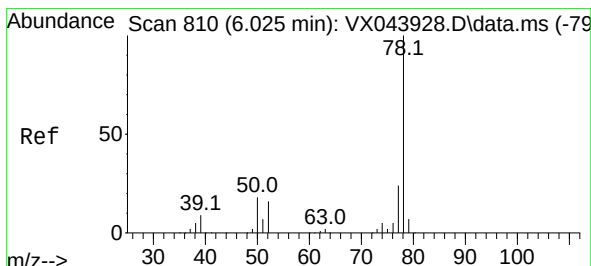
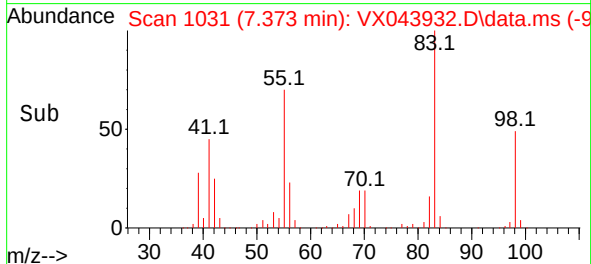
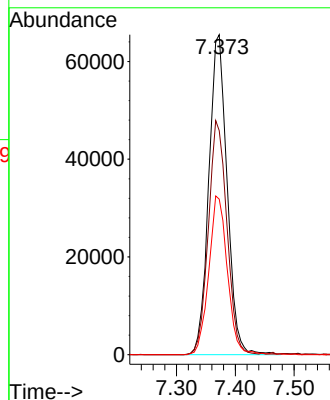
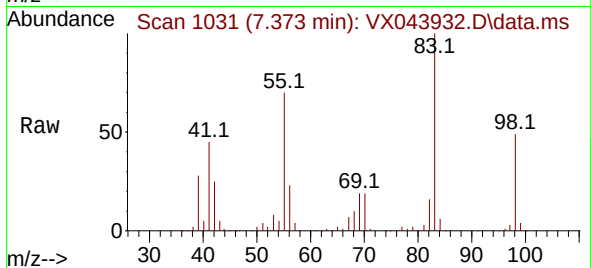
Tgt Ion: 83 Resp: 141696

Ion Ratio Lower Upper

83 100

55 70.0 63.1 94.7

98 48.6 40.0 60.0



#40

Benzene

Concen: 50.257 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX043932.D

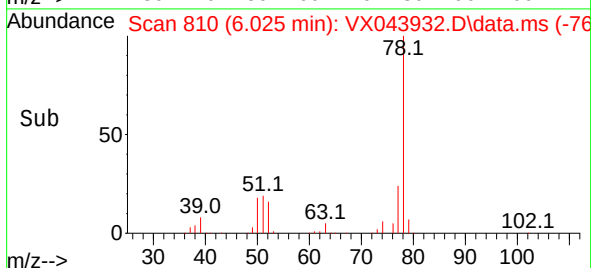
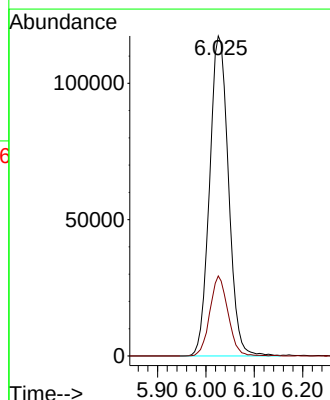
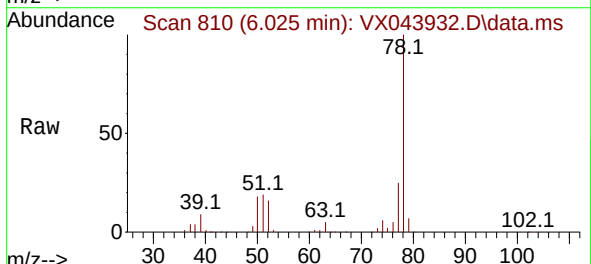
Acq: 21 Nov 2024 13:57

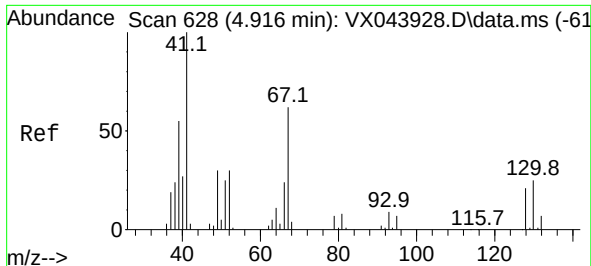
Tgt Ion: 78 Resp: 319222

Ion Ratio Lower Upper

78 100

77 25.0 19.2 28.8

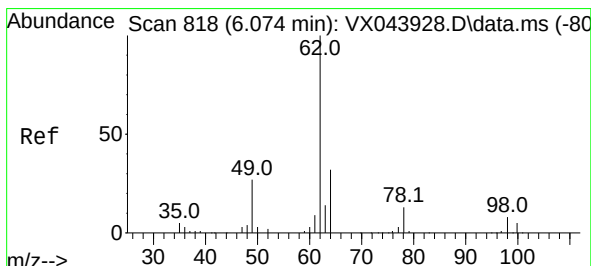
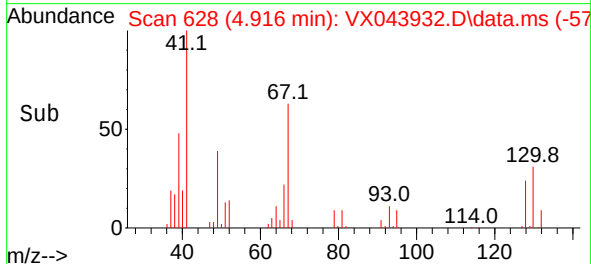
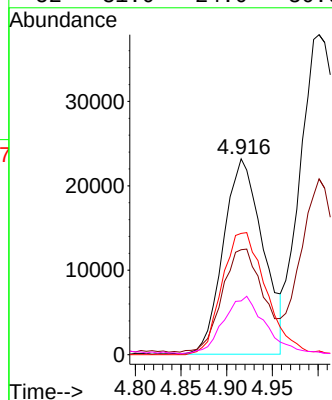
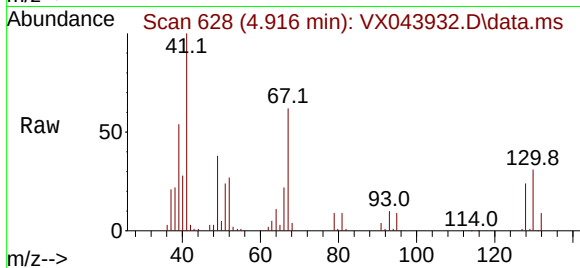




#41
Methacrylonitrile
Concen: 53.851 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

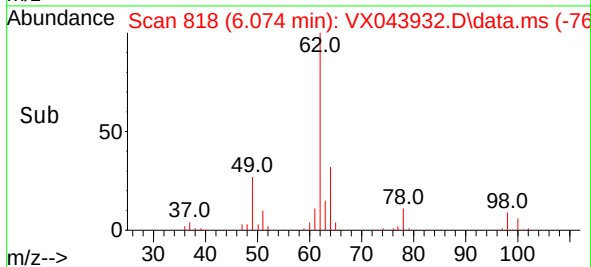
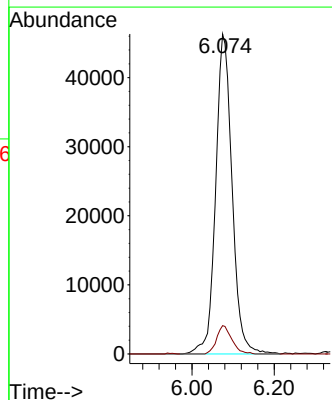
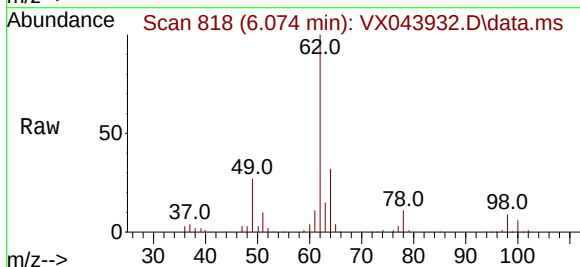
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

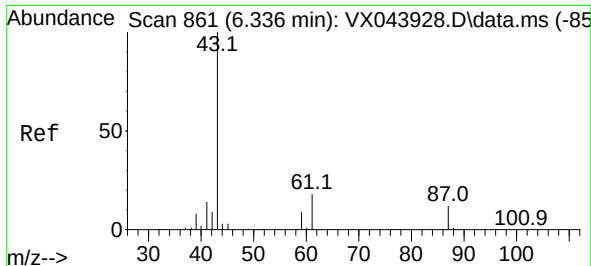
Tgt Ion:	41	Resp:	69766
Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.7	62.5
67	70.1	55.8	83.8
52	31.0	24.0	36.0



#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:	62	Resp:	128623
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

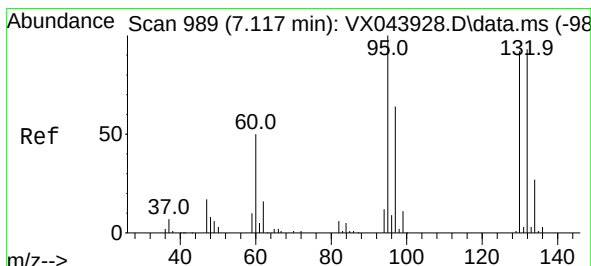
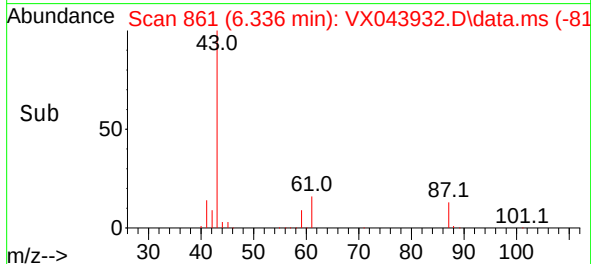
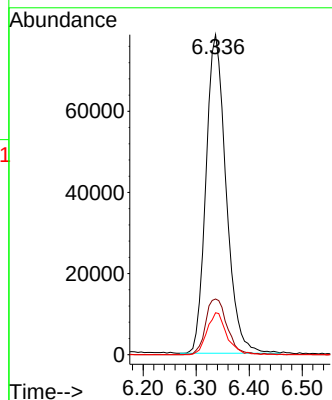
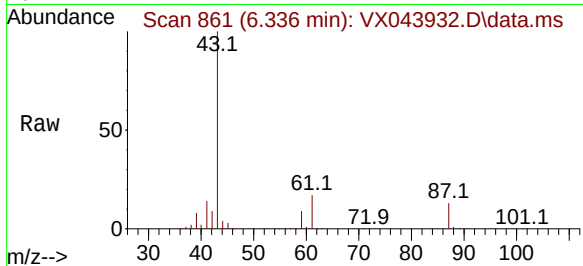




#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

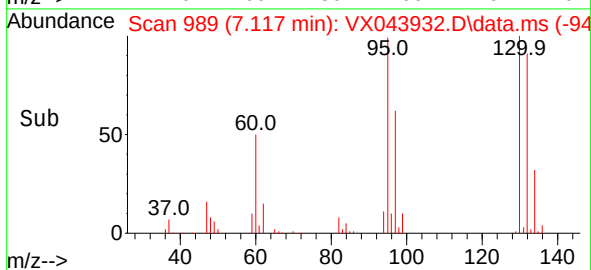
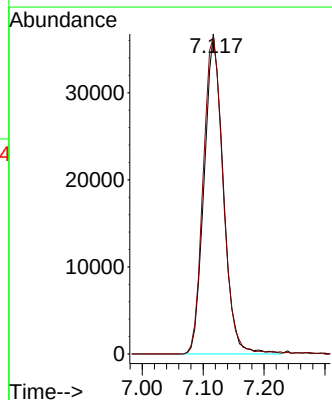
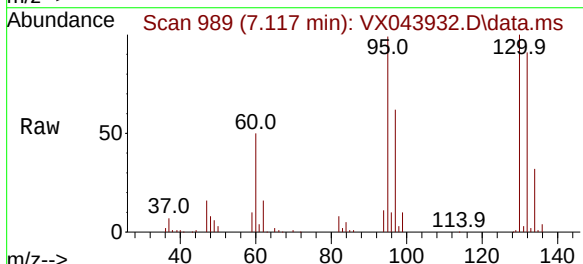
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

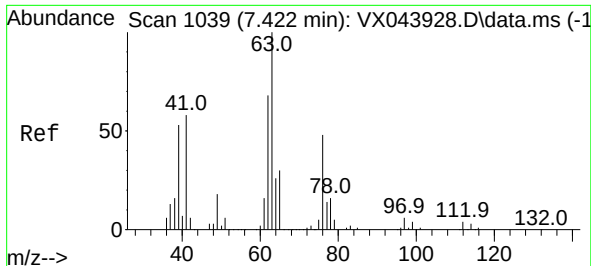
Tgt Ion: 43 Resp: 207332
Ion Ratio Lower Upper
43 100
61 18.6 14.5 21.7
87 12.9 10.2 15.2



#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113
Ion Ratio Lower Upper
130 100
95 98.9 0.0 217.8

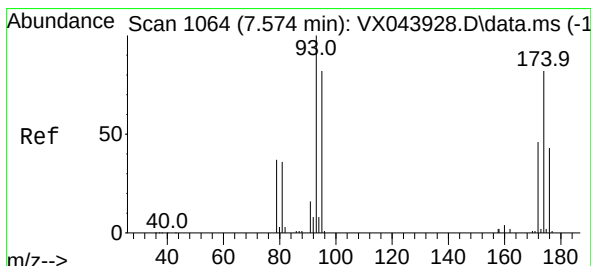
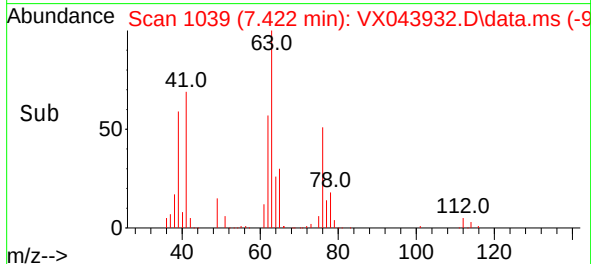
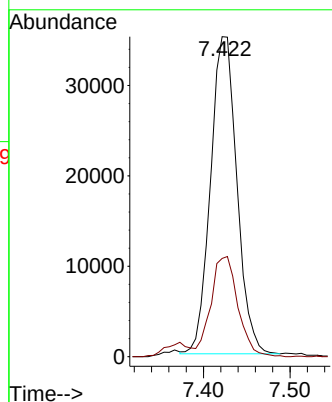
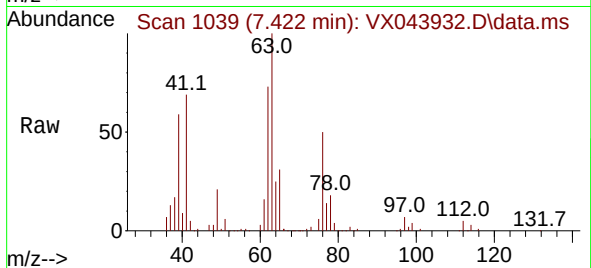




#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

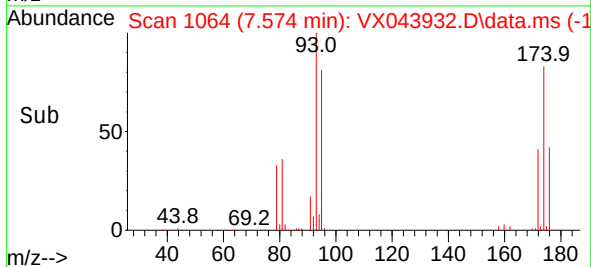
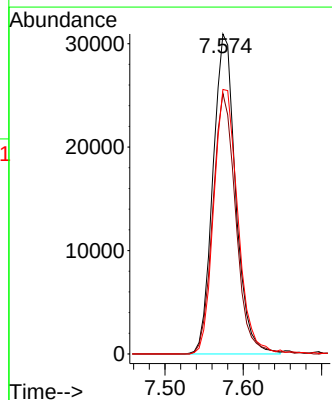
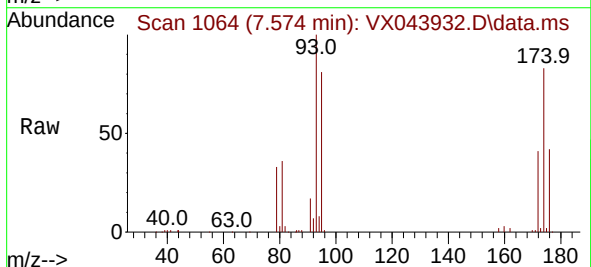
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

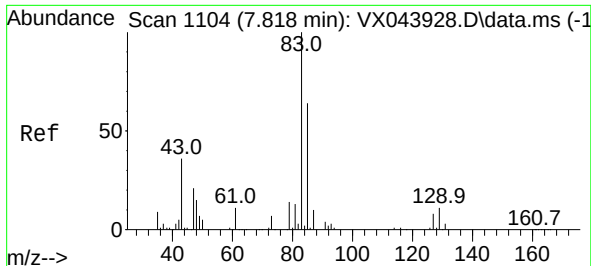
Tgt Ion: 63 Resp: 74380
Ion Ratio Lower Upper
63 100
65 30.7 23.8 35.6



#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345
Ion Ratio Lower Upper
93 100
95 82.5 66.2 99.4
174 88.2 69.6 104.4

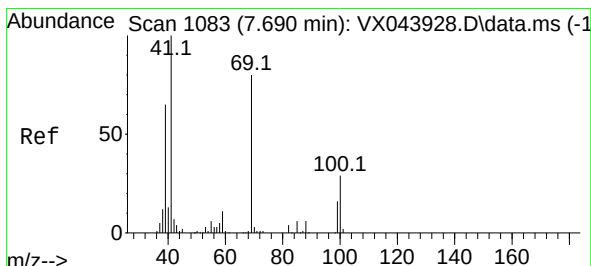
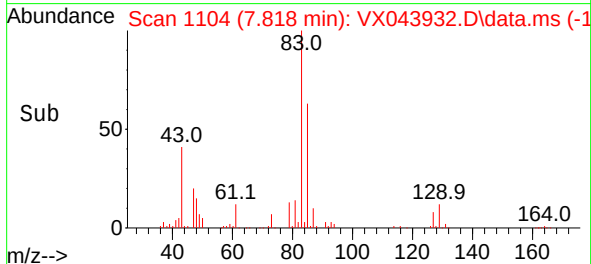
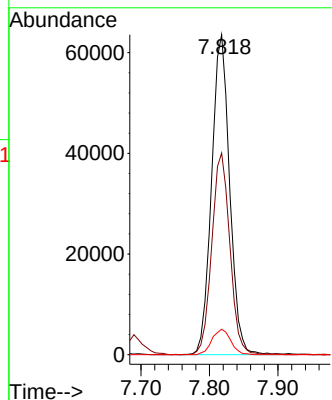
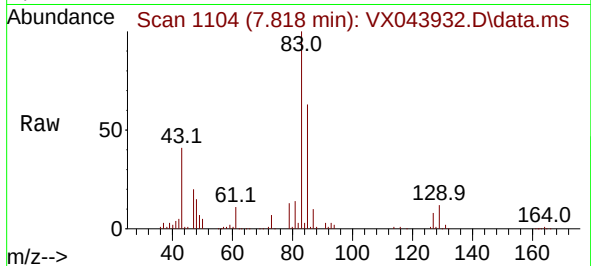




#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

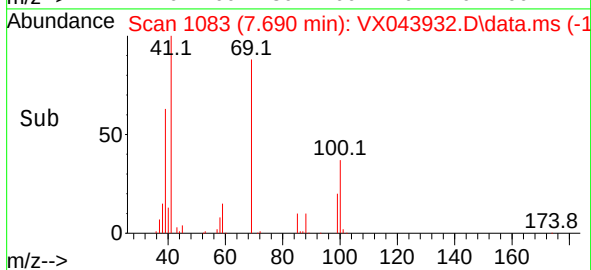
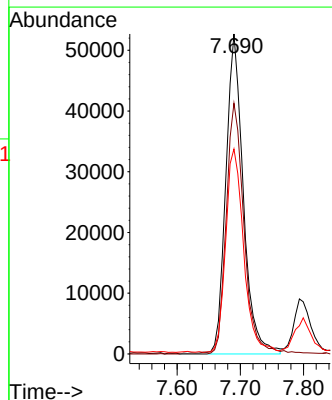
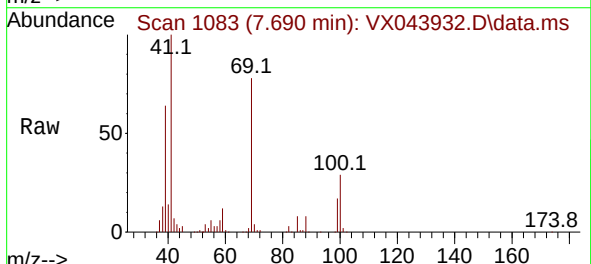
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

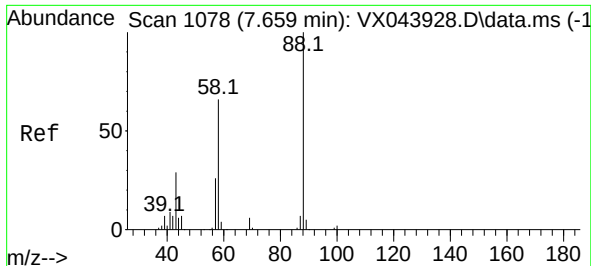
Tgt Ion: 83 Resp: 116199
Ion Ratio Lower Upper
83 100
85 63.0 51.4 77.0
127 8.0 6.6 10.0



#48
Methyl methacrylate
Concen: 52.284 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062
Ion Ratio Lower Upper
41 100
69 80.0 64.6 97.0
39 65.2 53.3 79.9





#49

1,4-Dioxane

Concen: 905.506 ug/l

RT: 7.659 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

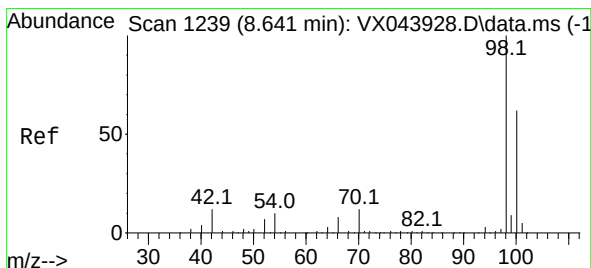
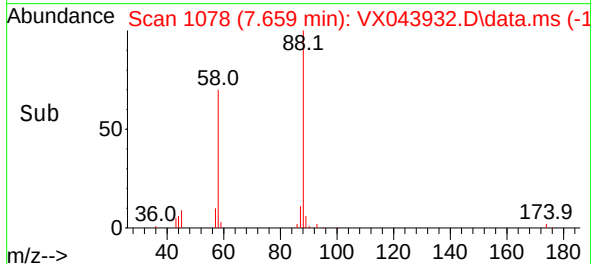
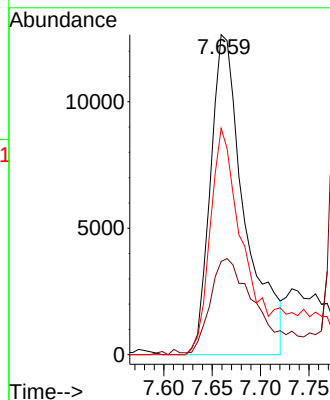
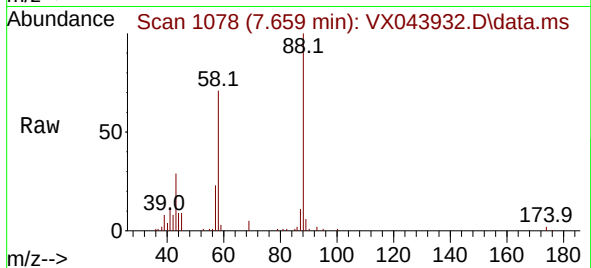
Tgt Ion: 88 Resp: 31178

Ion Ratio Lower Upper

88 100

43 39.9 26.8 40.2

58 68.3 45.4 68.2#



#50

Toluene-d8

Concen: 51.234 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043932.D

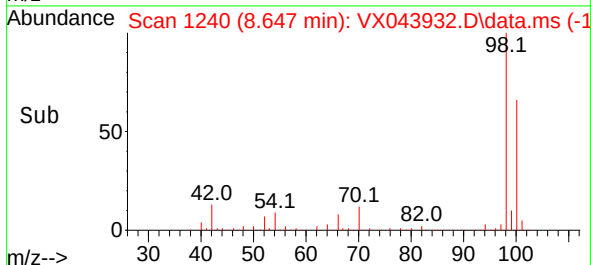
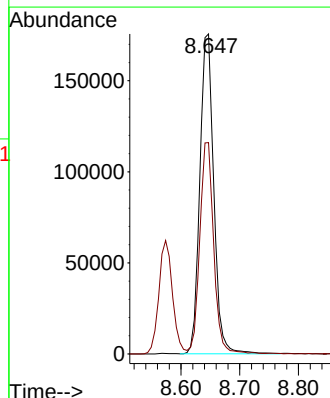
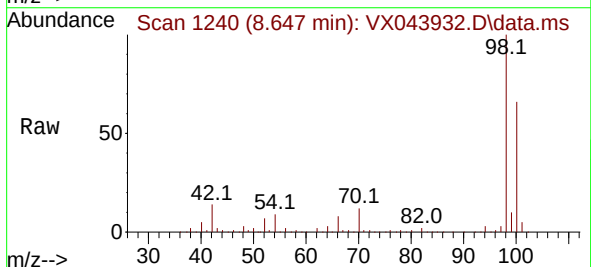
Acq: 21 Nov 2024 13:57

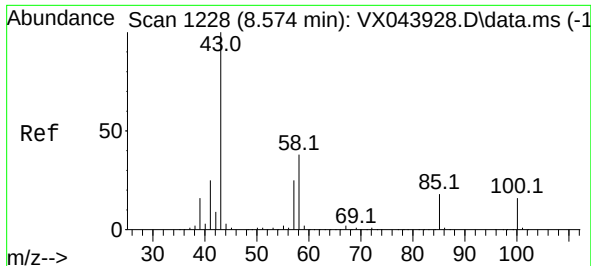
Tgt Ion: 98 Resp: 289000

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0

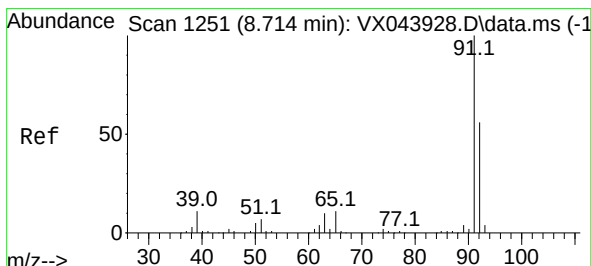
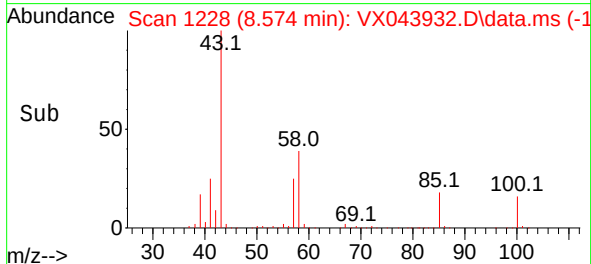
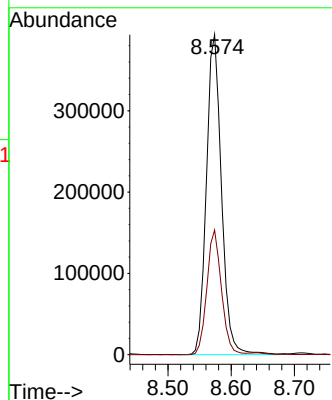
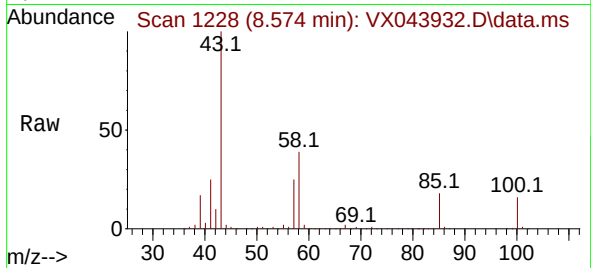




#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

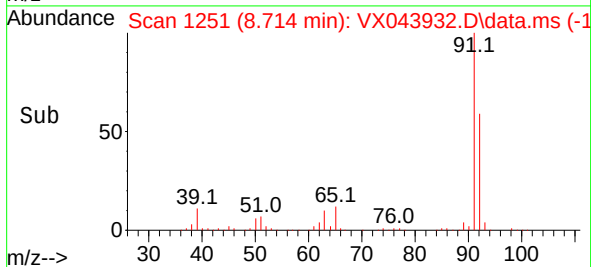
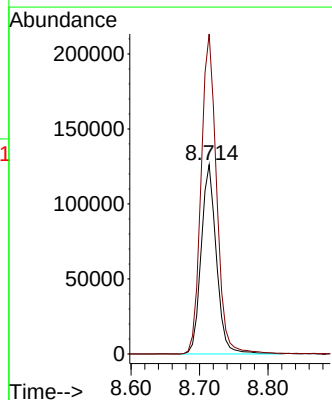
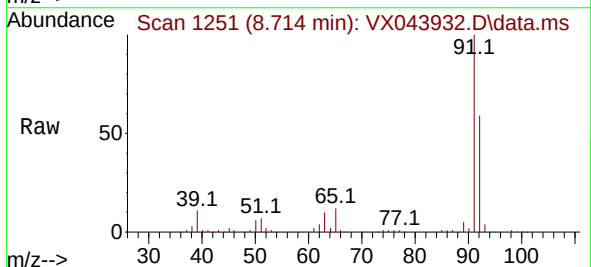
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

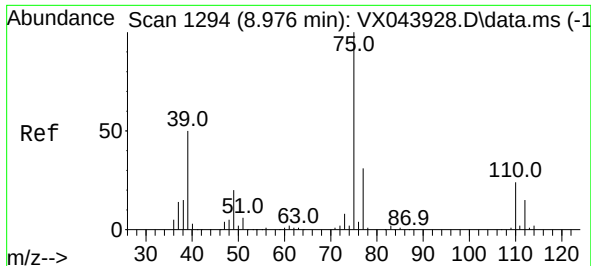
Tgt Ion: 43 Resp: 652721
Ion Ratio Lower Upper
43 100
58 37.6 30.0 45.0



#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814
Ion Ratio Lower Upper
92 100
91 172.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 53.077 ug/l

RT: 8.976 min Scan# 119461

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

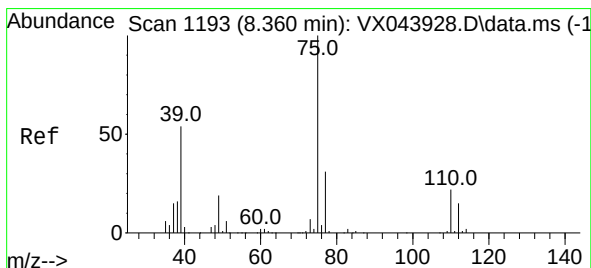
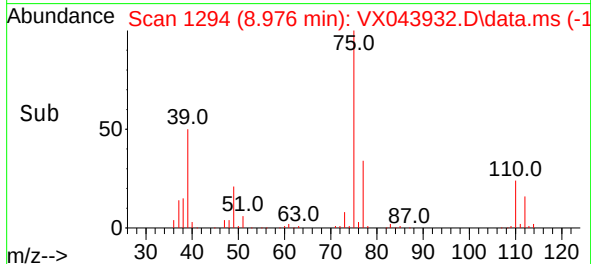
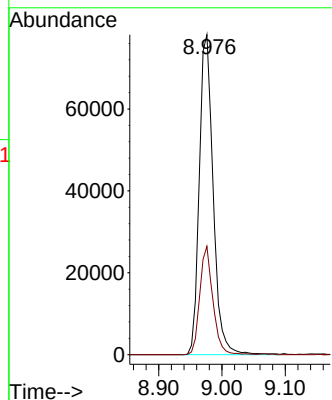
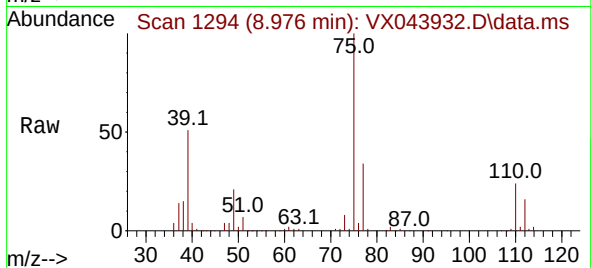
ICVX112124

Tgt Ion: 75 Resp: 119461

Ion Ratio Lower Upper

75 100

77 33.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 52.205 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

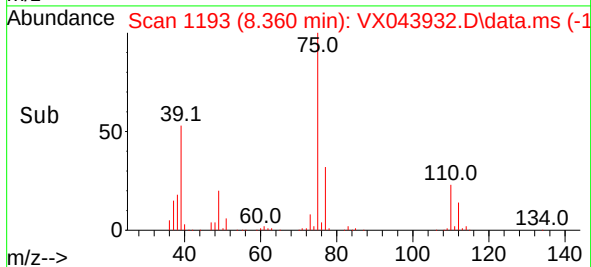
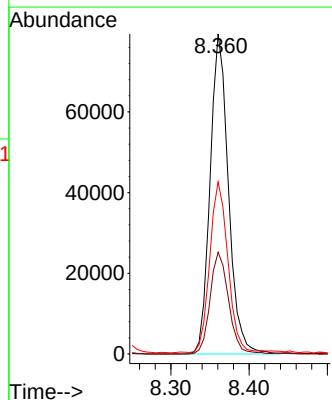
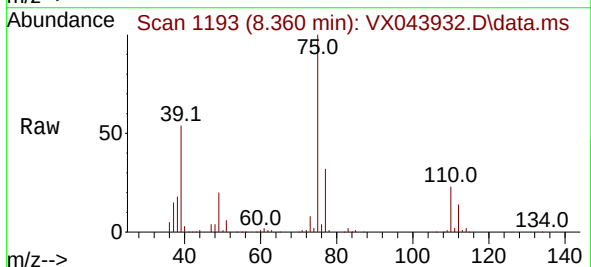
Tgt Ion: 75 Resp: 128808

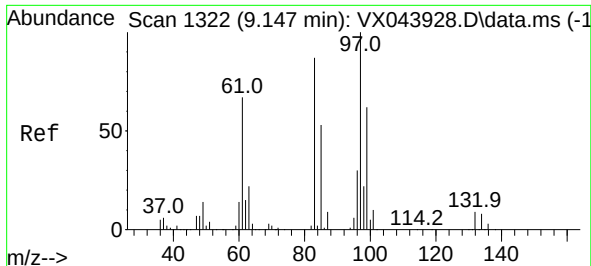
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 53.2 43.1 64.7



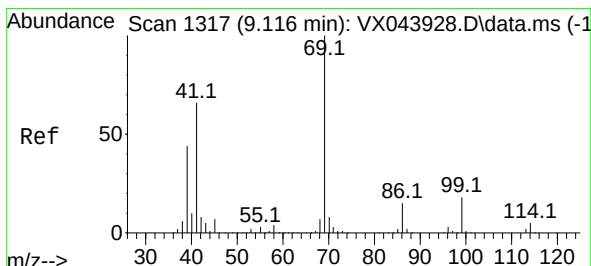
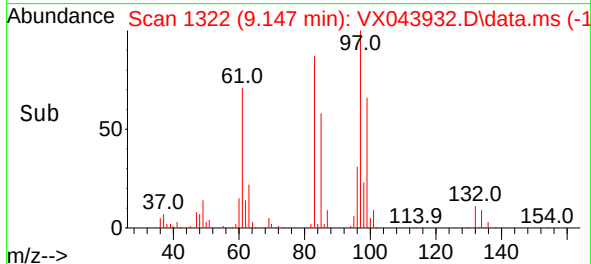
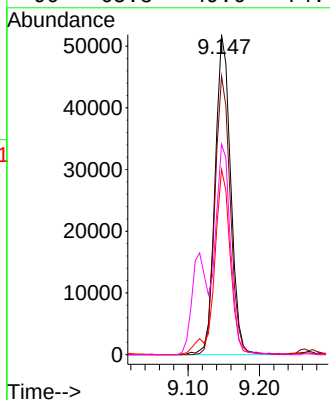
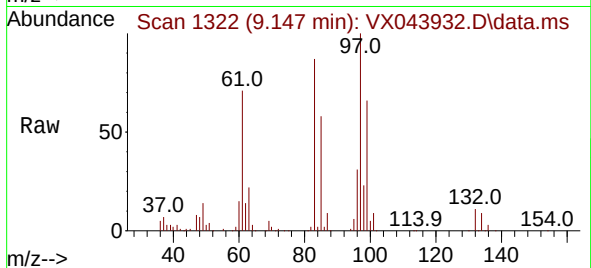


#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Instrument : MSVOA_X
ClientSampleId : ICVVX112124

Tgt Ion: 97 Resp: 78575

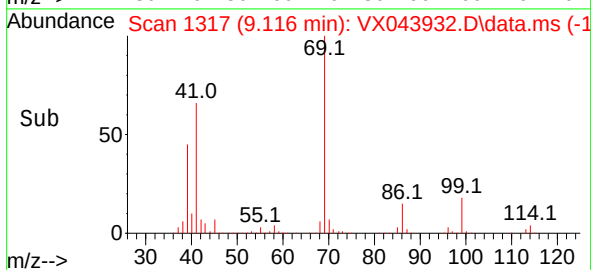
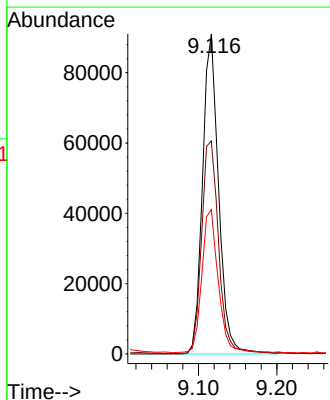
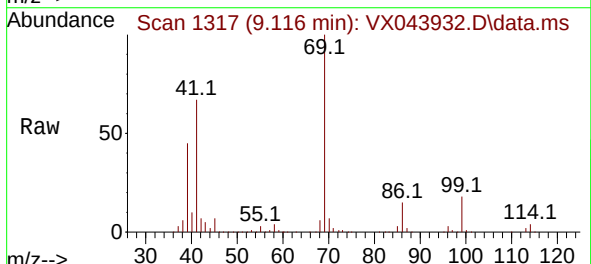
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.4	104.0
85	57.7	42.3	63.5
99	65.8	49.6	74.4

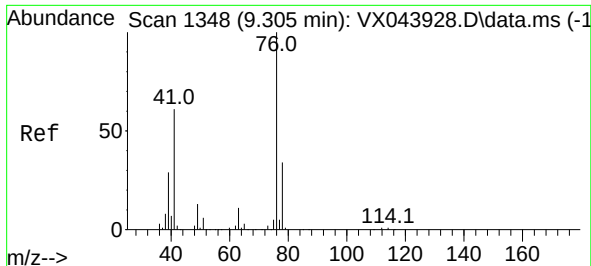


#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.8	83.8
39	46.1	36.7	55.1

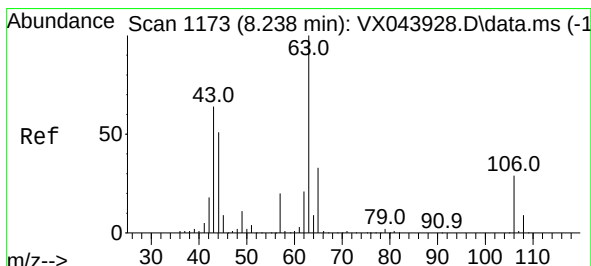
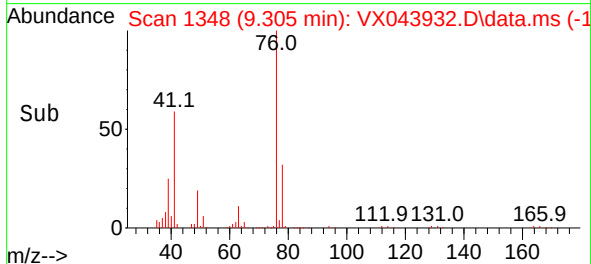
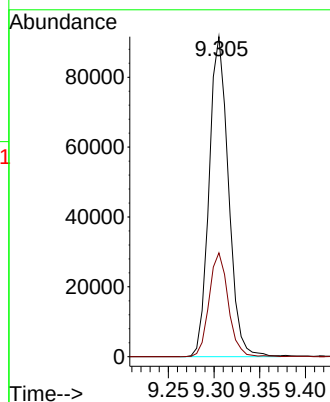
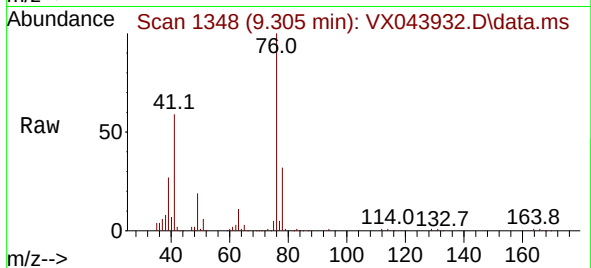




#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

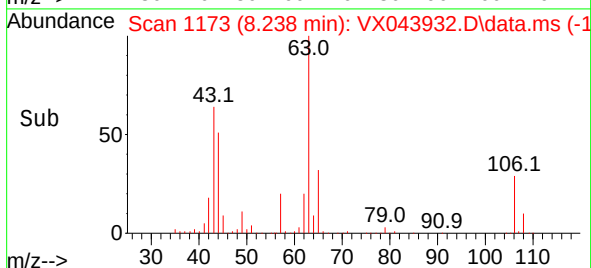
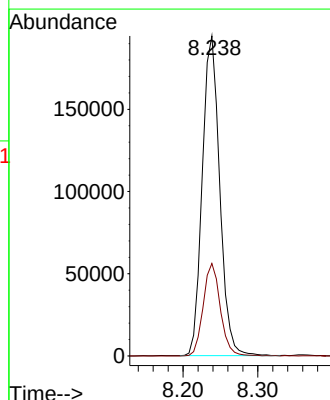
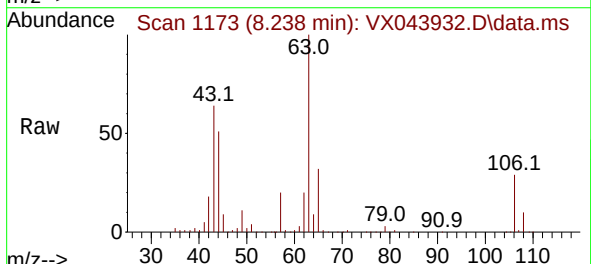
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

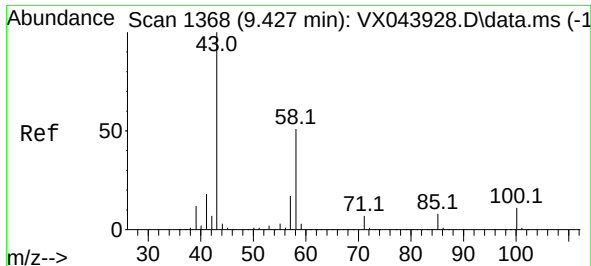
Tgt Ion: 76 Resp: 134680
Ion Ratio Lower Upper
76 100
78 32.1 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 235.230 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358
Ion Ratio Lower Upper
63 100
106 28.4 23.0 34.6

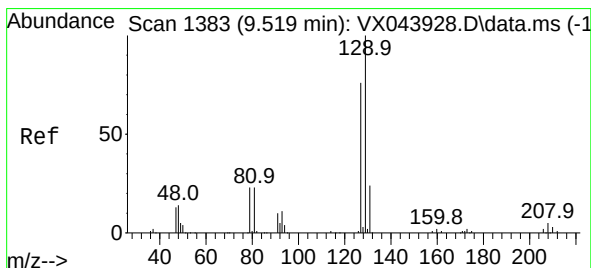
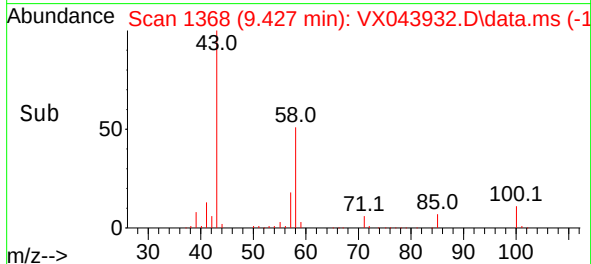
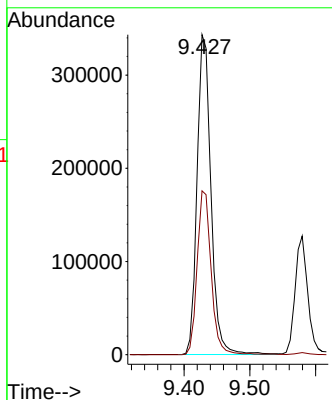
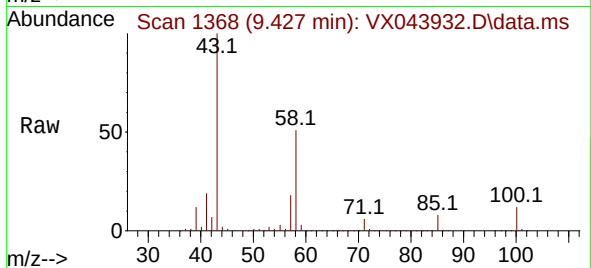




#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

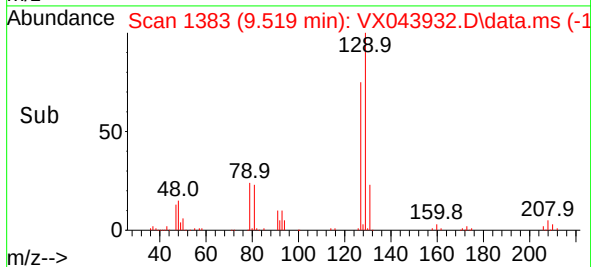
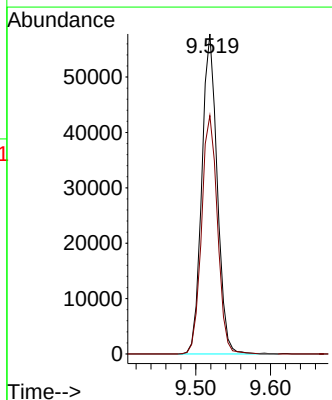
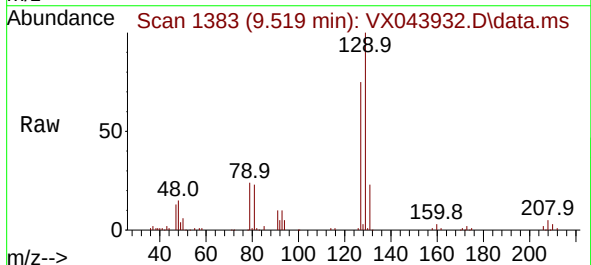
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

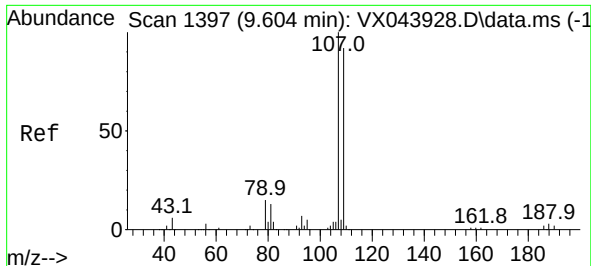
Tgt Ion: 43 Resp: 504444
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.6



#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 129 Resp: 82754
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.367 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

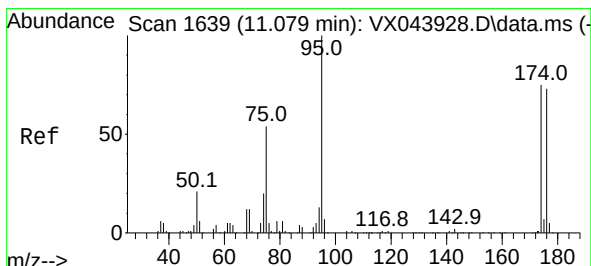
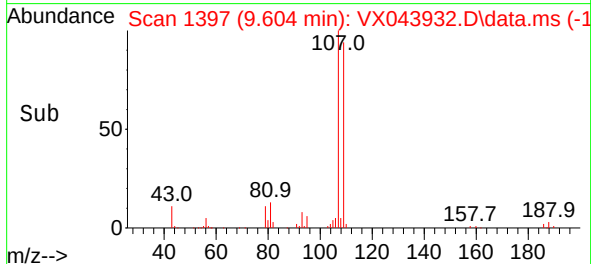
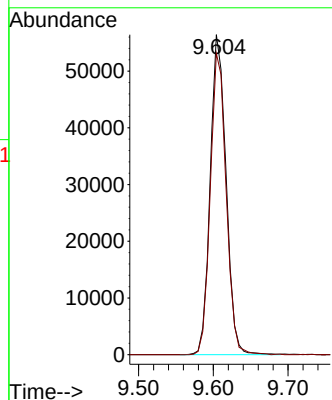
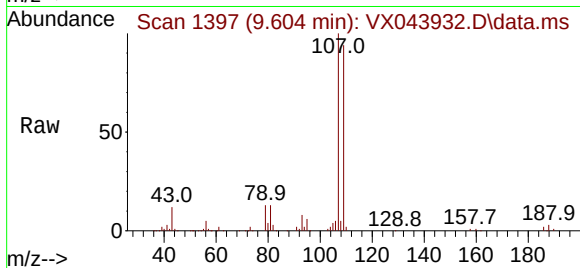
ICVX112124

Tgt Ion:107 Resp: 83098

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 53.987 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

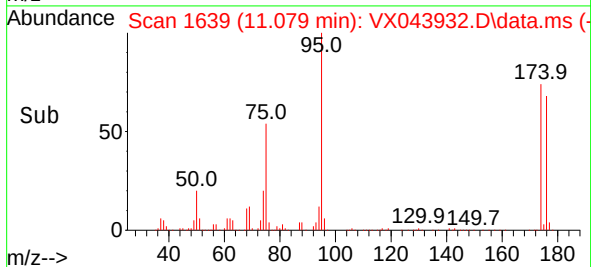
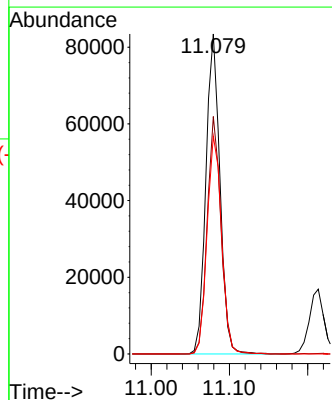
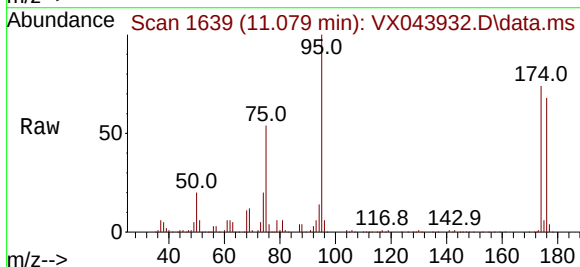
Tgt Ion: 95 Resp: 103640

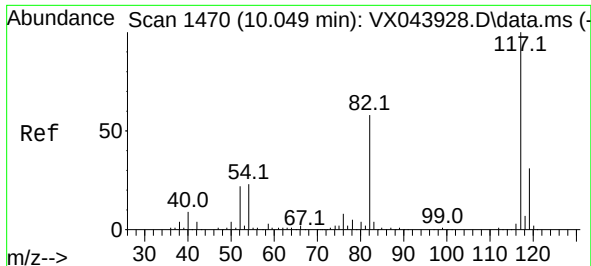
Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

176 70.5 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

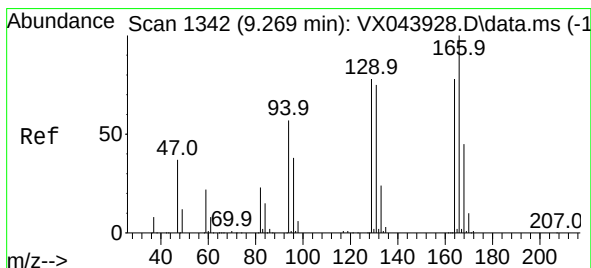
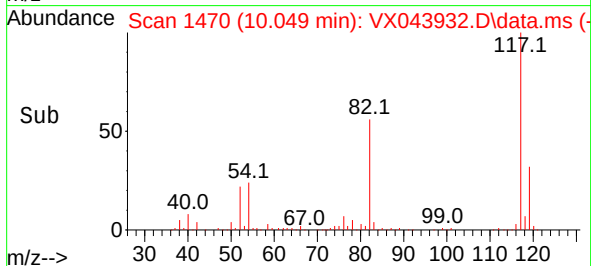
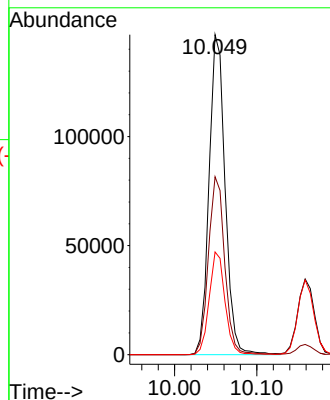
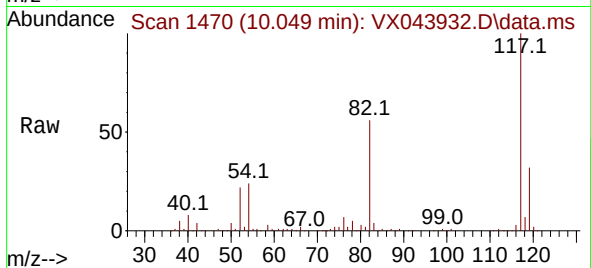
Tgt Ion:117 Resp: 198776

Ion Ratio Lower Upper

117 100

82 55.6 46.4 69.6

119 32.1 24.6 37.0



#64

Tetrachloroethene

Concen: 50.396 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

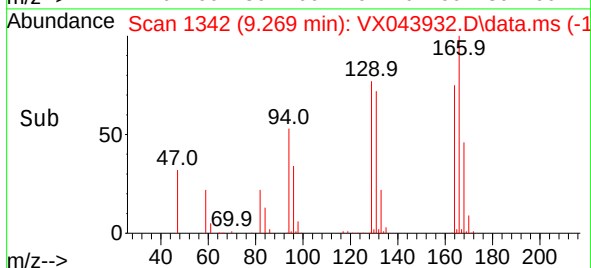
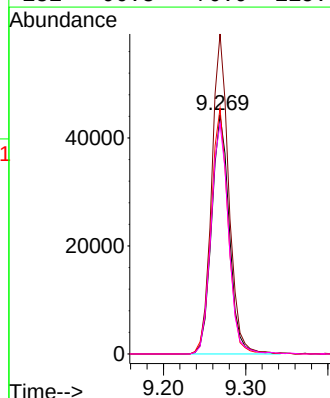
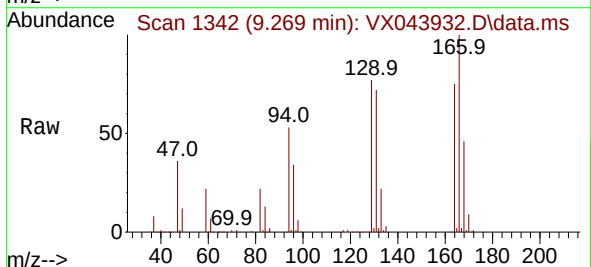
Ion Ratio Lower Upper

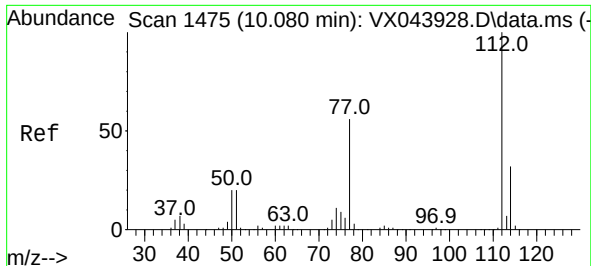
164 100

166 133.9 102.1 153.1

129 102.7 79.6 119.4

131 96.3 76.9 115.3





#65

Chlorobenzene

Concen: 48.094 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

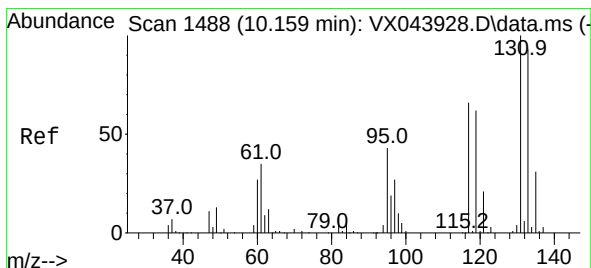
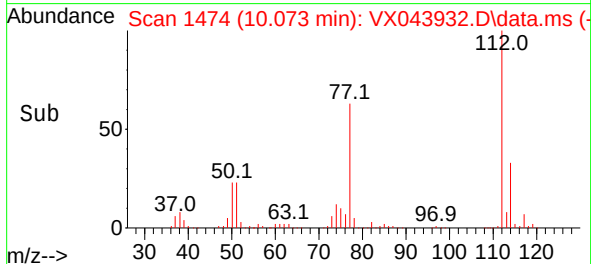
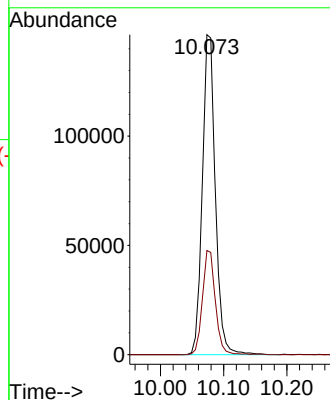
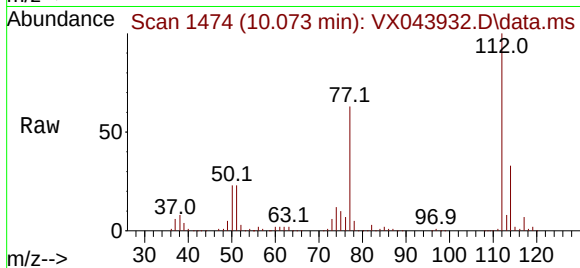
ICVVX112124

Tgt Ion:112 Resp: 209963

Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 52.515 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

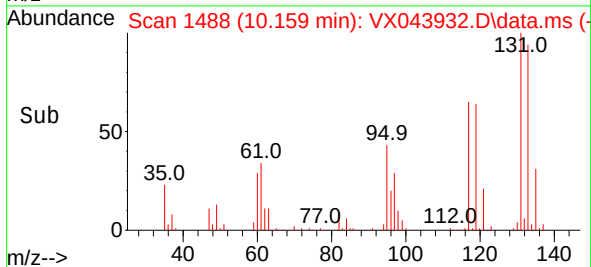
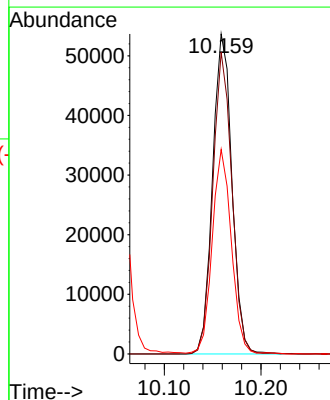
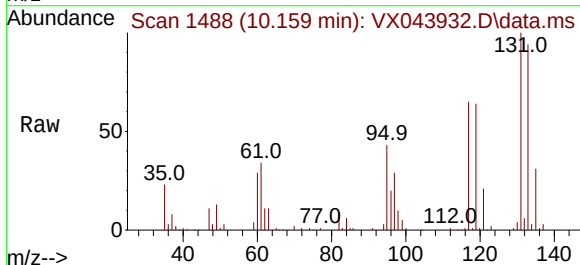
Tgt Ion:131 Resp: 74354

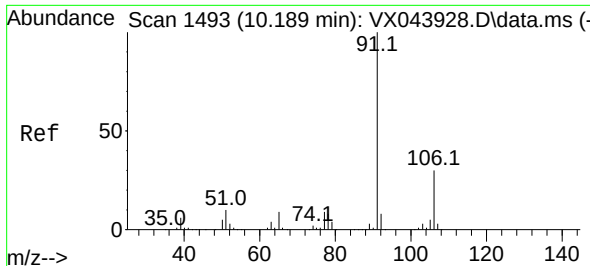
Ion Ratio Lower Upper

131 100

133 92.9 48.2 144.6

119 63.5 31.5 94.5





#67

Ethyl Benzene

Concen: 50.991 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

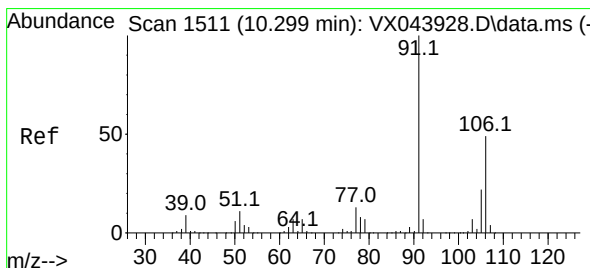
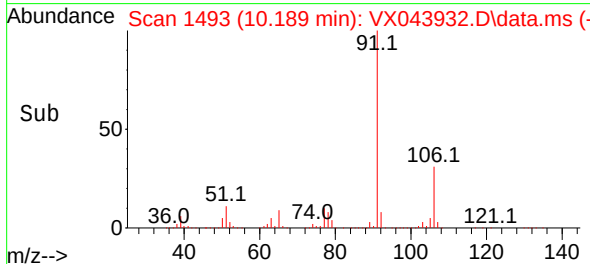
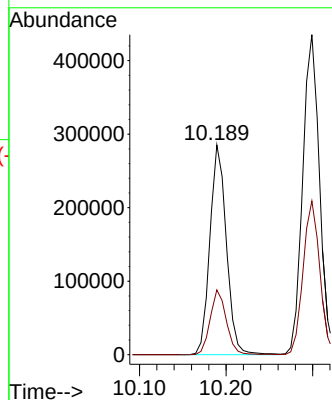
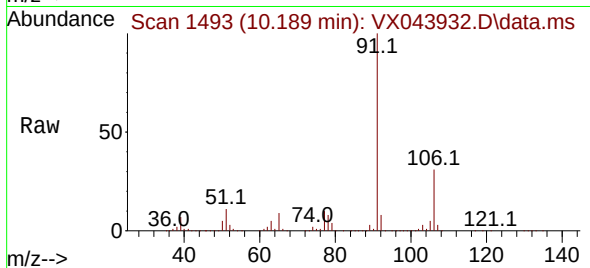
ICVVX112124

Tgt Ion: 91 Resp: 377215

Ion Ratio Lower Upper

91 100

106 30.9 23.6 35.4



#68

m/p-Xylenes

Concen: 102.572 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043932.D

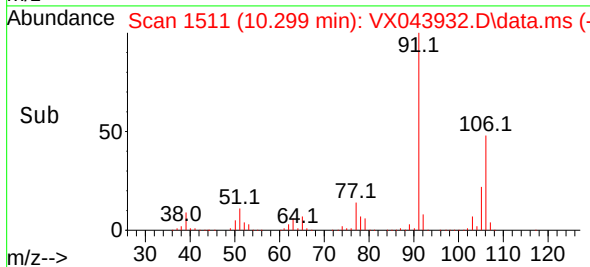
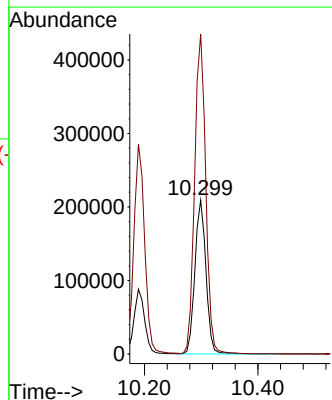
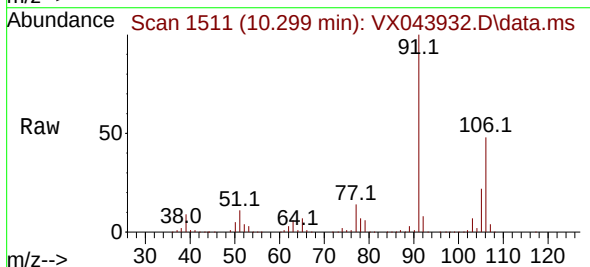
Acq: 21 Nov 2024 13:57

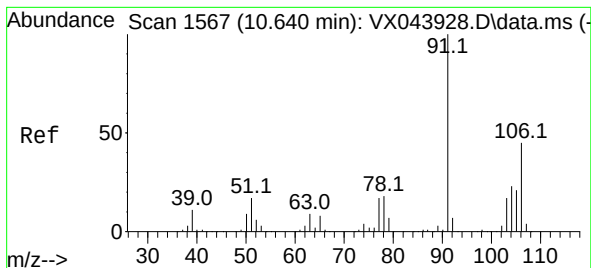
Tgt Ion: 106 Resp: 282971

Ion Ratio Lower Upper

106 100

91 208.6 168.1 252.1

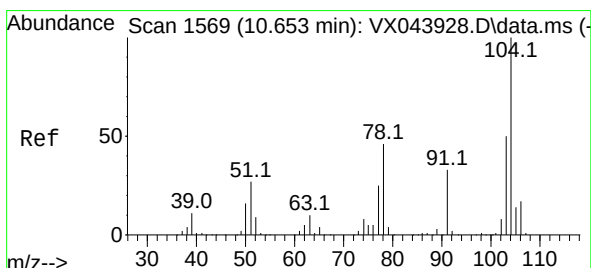
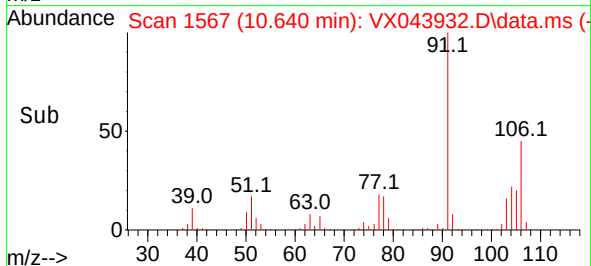
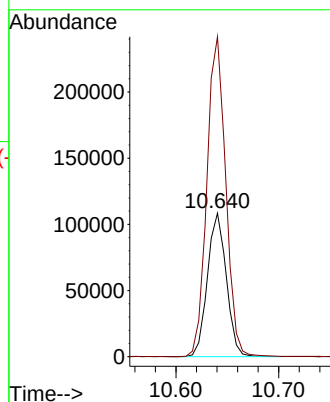
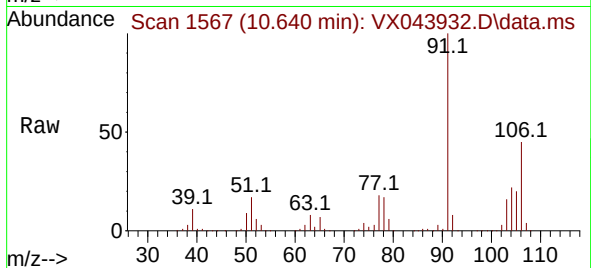




#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

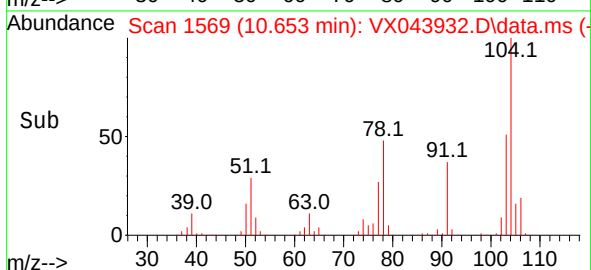
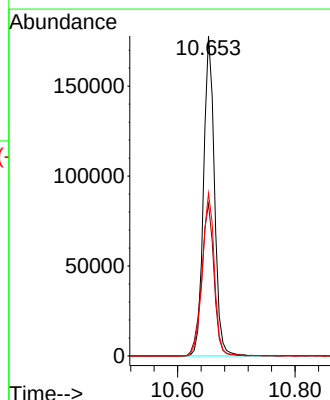
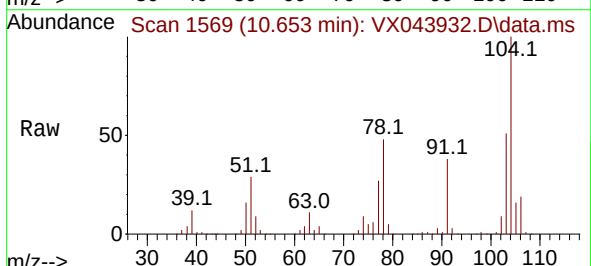
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

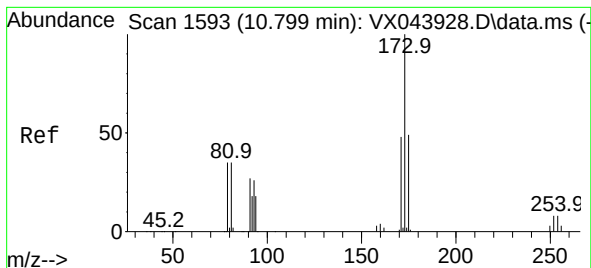
Tgt Ion:106 Resp: 138437
Ion Ratio Lower Upper
106 100
91 223.5 110.2 330.6



#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449
Ion Ratio Lower Upper
104 100
78 53.9 42.2 63.2
103 56.0 44.7 67.1





#71

Bromoform

Concen: 47.449 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

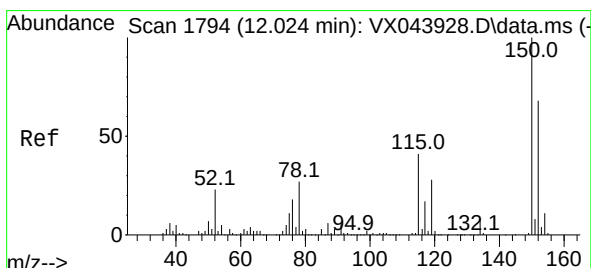
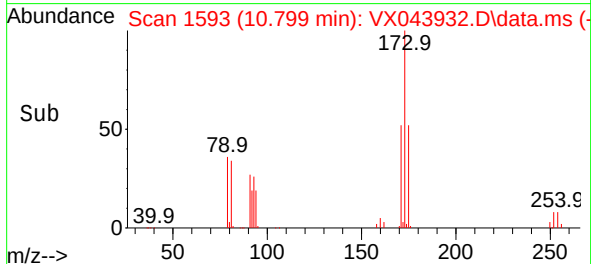
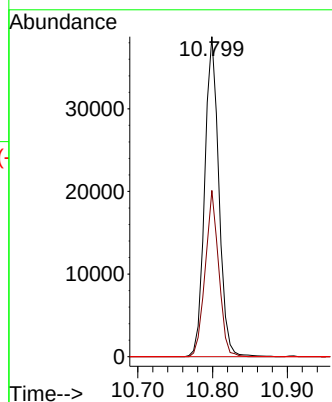
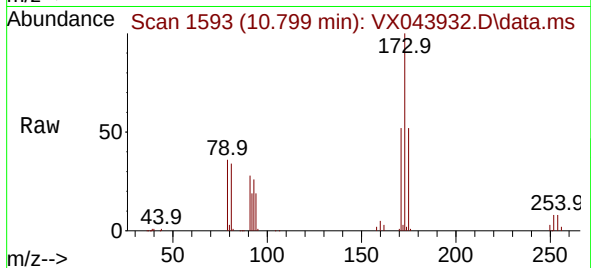
Tgt Ion:173 Resp: 50837

Ion Ratio Lower Upper

173 100

175 49.5 24.1 72.2

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. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

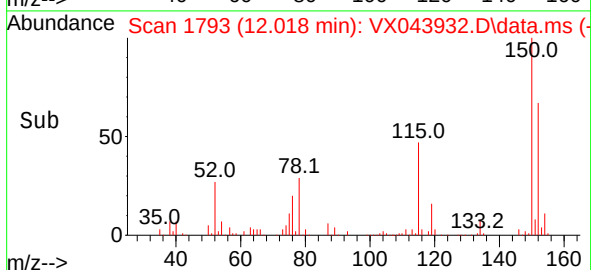
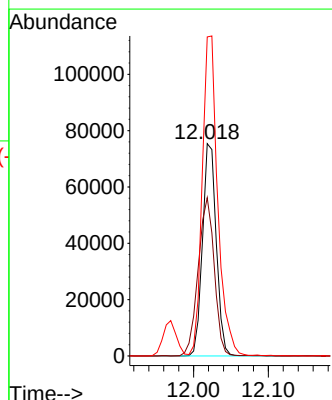
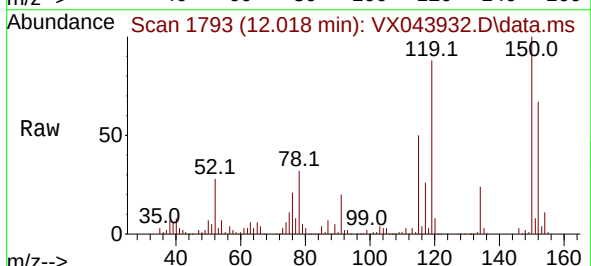
Tgt Ion:152 Resp: 96489

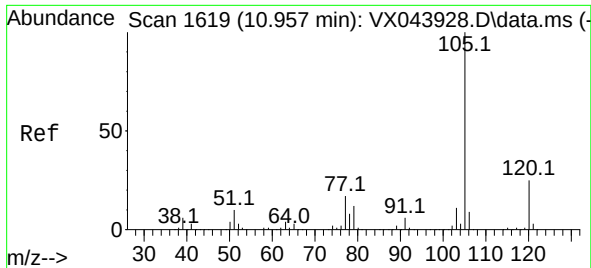
Ion Ratio Lower Upper

152 100

115 87.3 45.4 136.2

150 169.5 0.0 353.0

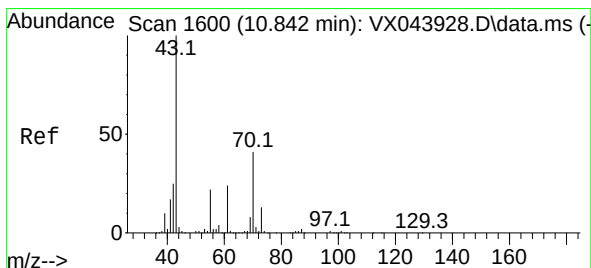
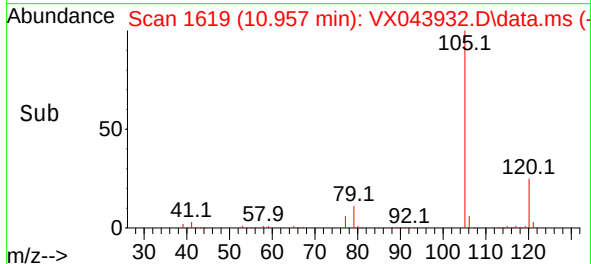
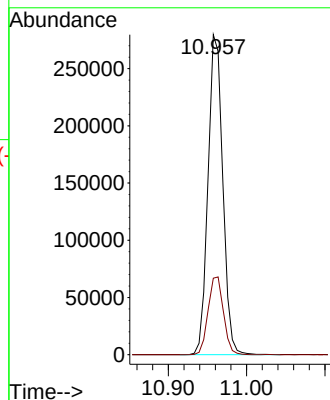
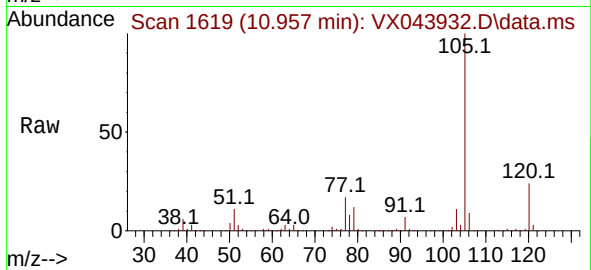




#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

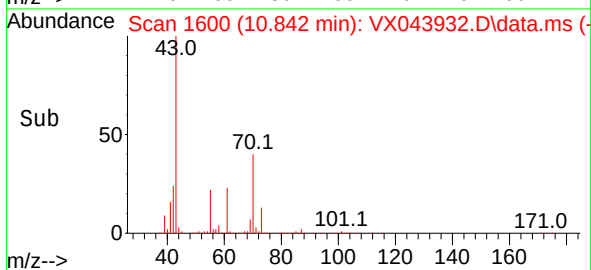
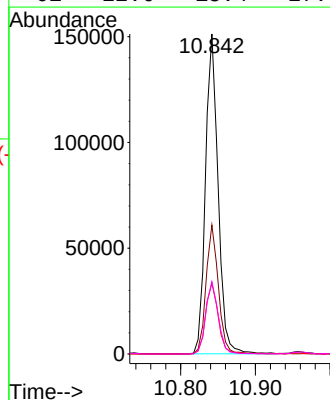
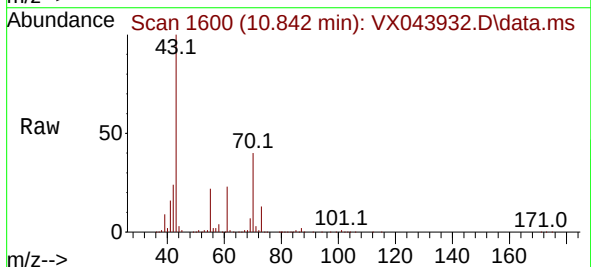
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

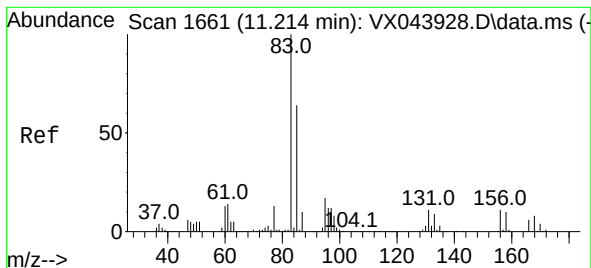
Tgt Ion:105 Resp: 365084
Ion Ratio Lower Upper
105 100
120 25.3 13.0 38.9



#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627
Ion Ratio Lower Upper
43 100
70 39.7 32.2 48.2
55 22.4 18.1 27.1
61 22.6 18.4 27.6

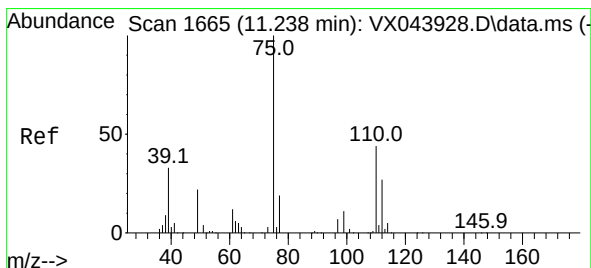
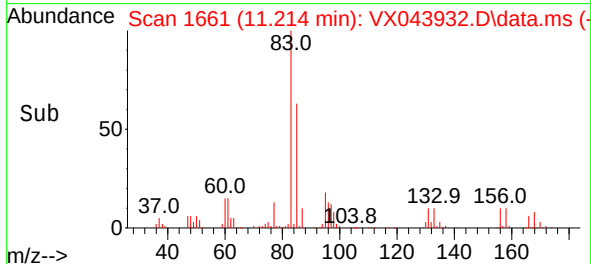
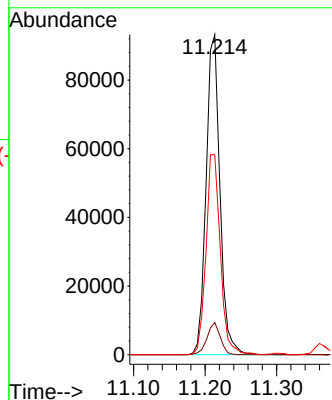
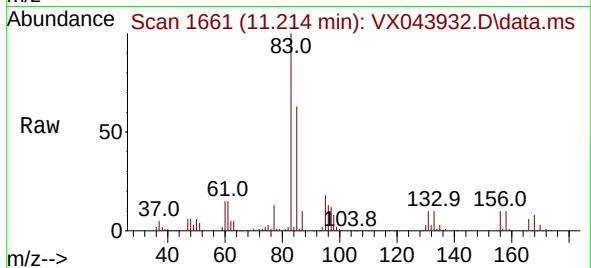




#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

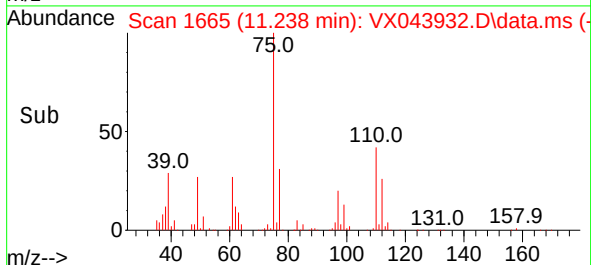
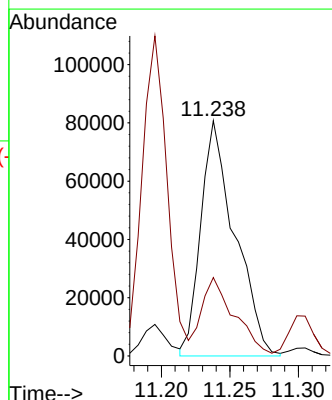
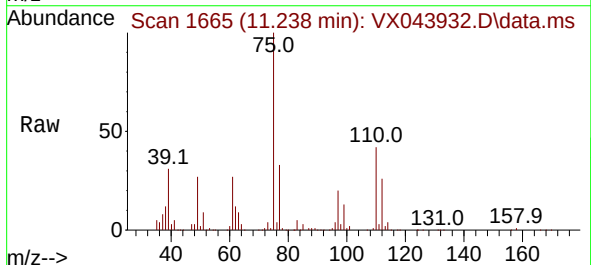
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

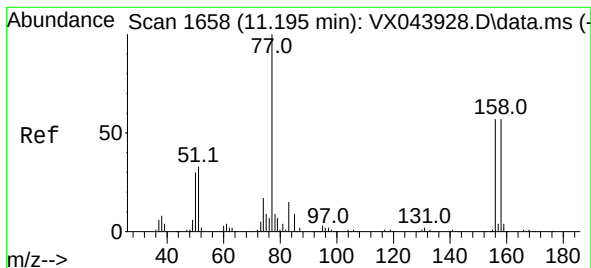
Tgt Ion: 83 Resp: 125346
Ion Ratio Lower Upper
83 100
131 9.6 5.1 15.2
85 64.9 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 66.099 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 139865
Ion Ratio Lower Upper
75 100
77 32.3 21.8 65.3





#77

Bromobenzene

Concen: 48.081 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

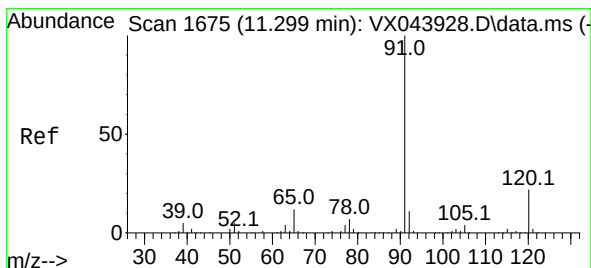
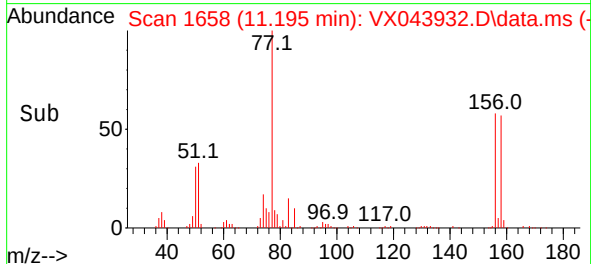
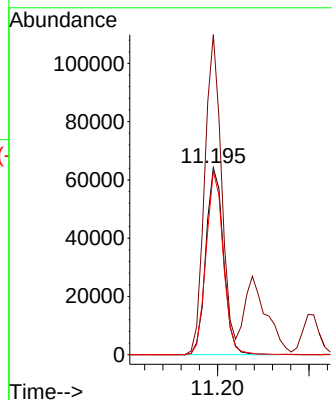
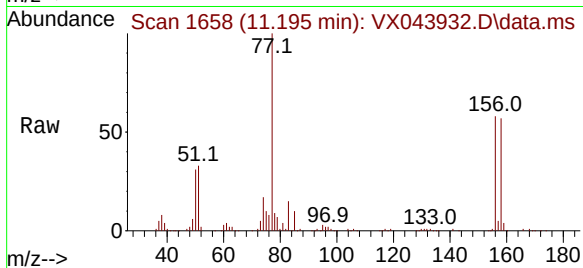
Tgt Ion:156 Resp: 85070

Ion Ratio Lower Upper

156 100

77 165.4 83.4 250.1

158 96.9 47.6 142.8



#78

n-propylbenzene

Concen: 50.652 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043932.D

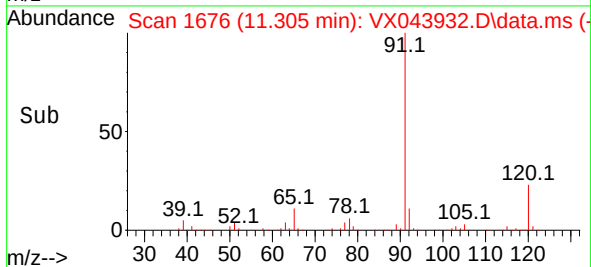
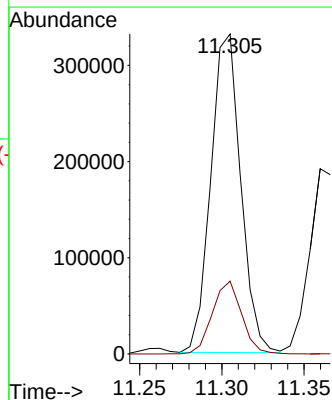
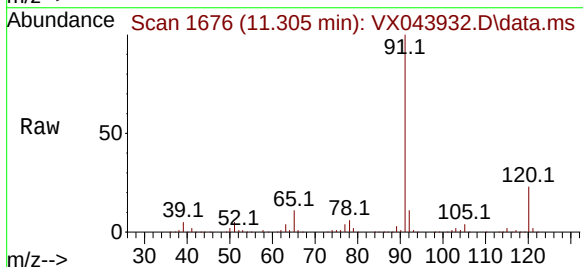
Acq: 21 Nov 2024 13:57

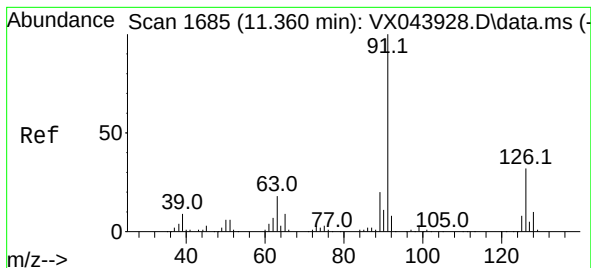
Tgt Ion: 91 Resp: 419586

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4

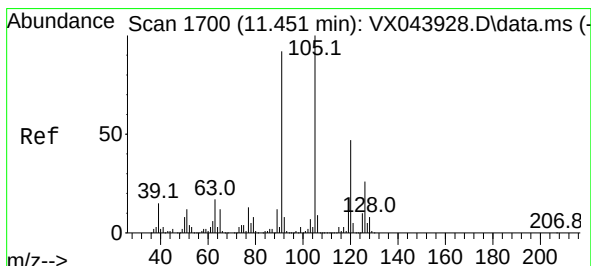
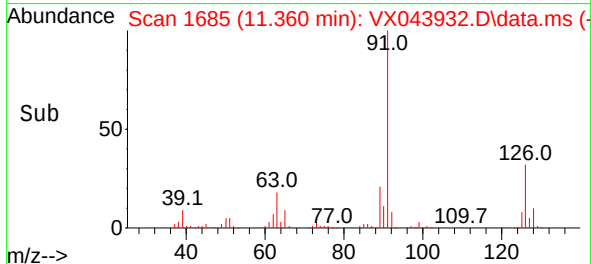
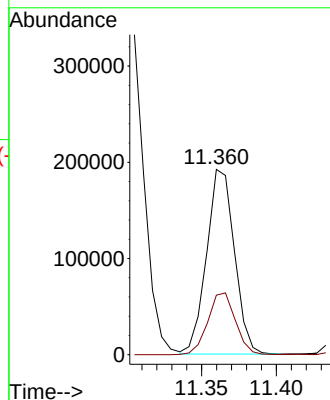
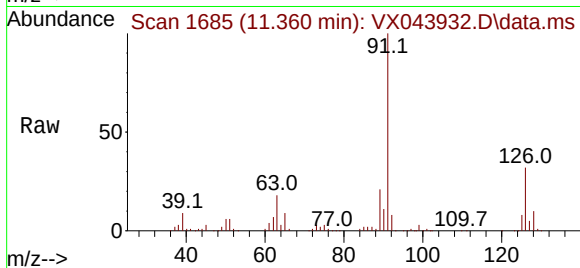




#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

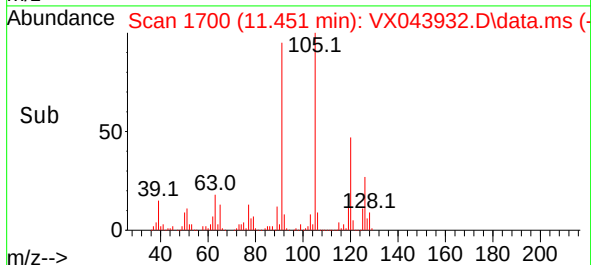
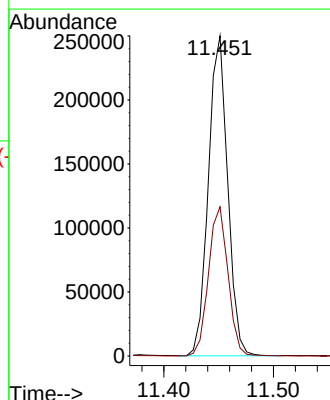
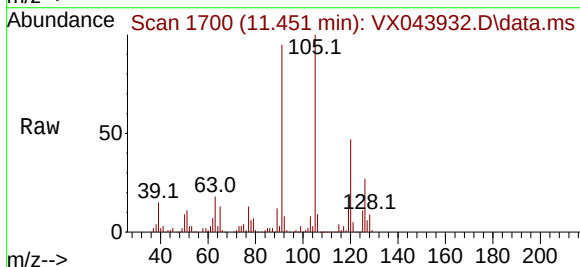
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

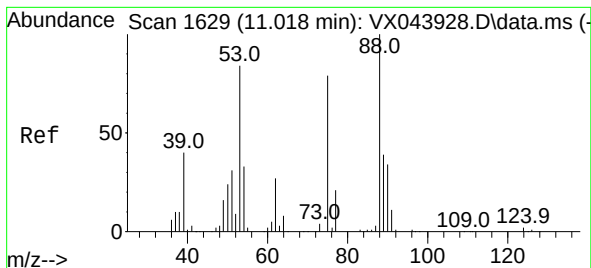
Tgt Ion: 91 Resp: 249079
Ion Ratio Lower Upper
91 100
126 33.3 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 105 Resp: 305922
Ion Ratio Lower Upper
105 100
120 47.3 23.3 69.8

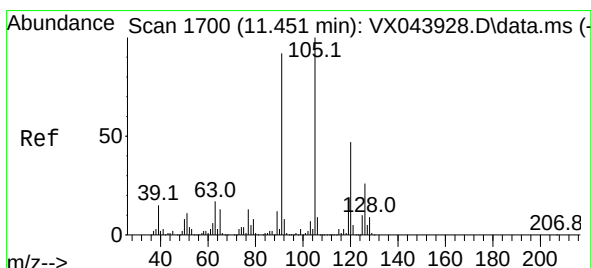
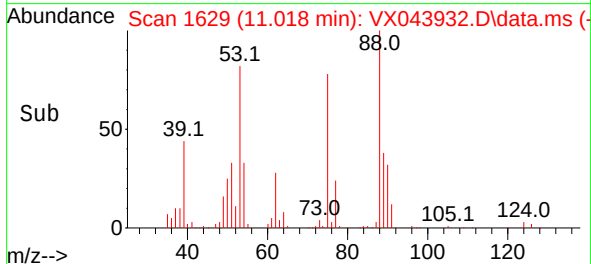
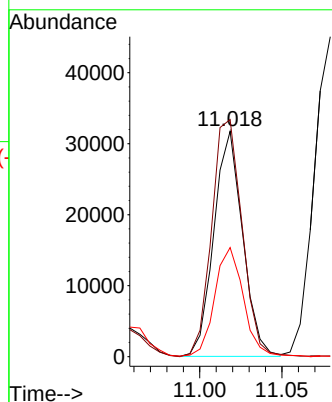
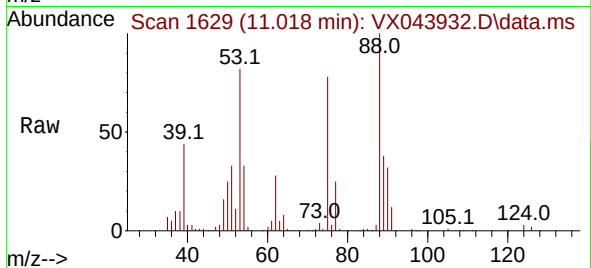




#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

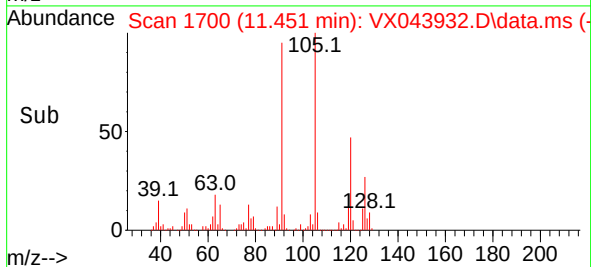
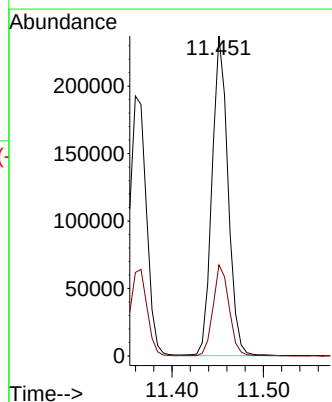
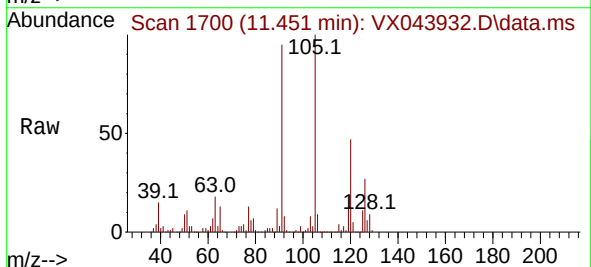
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

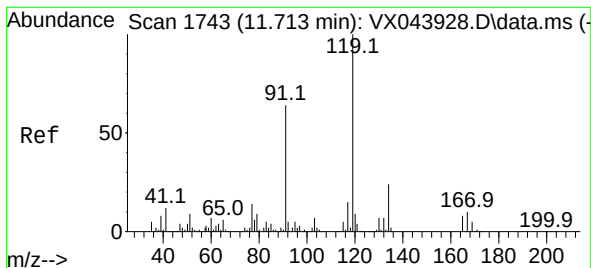
Tgt Ion: 75 Resp: 38583
Ion Ratio Lower Upper
75 100
53 111.7 86.7 130.1
89 48.1 38.2 57.2



#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717
Ion Ratio Lower Upper
91 100
126 28.6 14.3 42.9

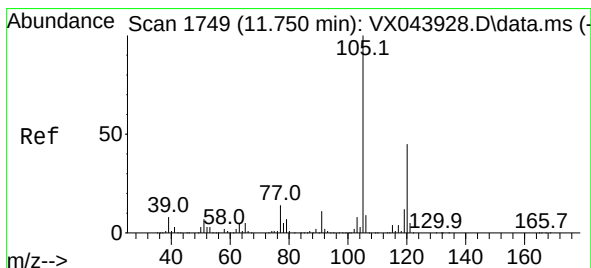
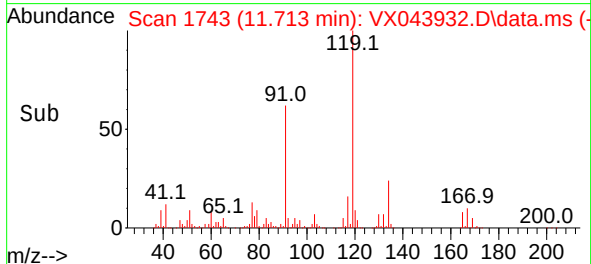
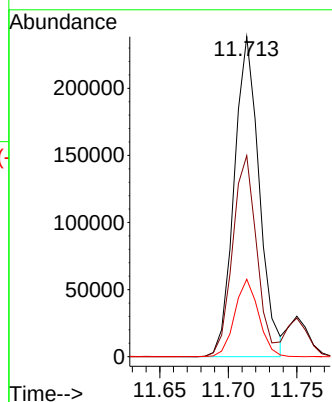
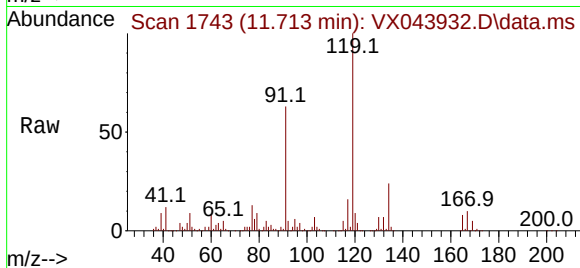




#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

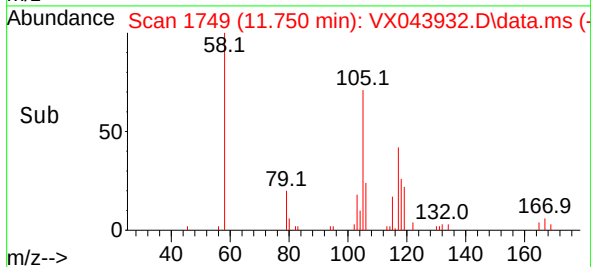
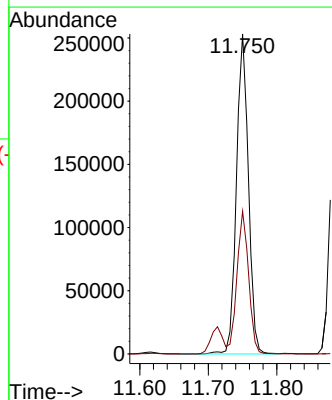
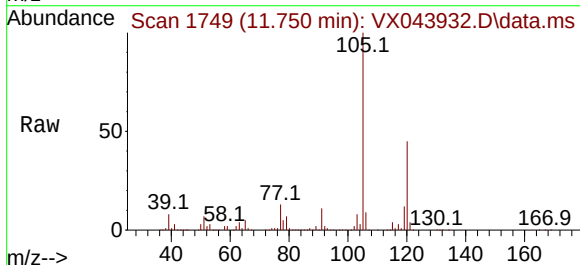
Instrument :
MSVOA_X
ClientSampleId :
ICVX112124

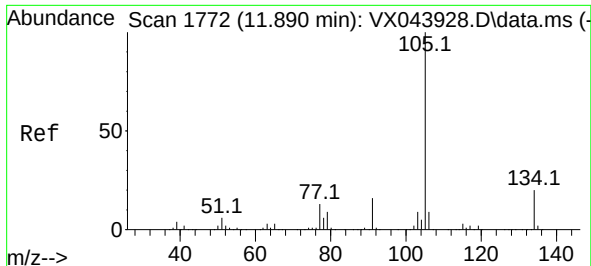
Tgt Ion:119 Resp: 303408
Ion Ratio Lower Upper
119 100
91 61.2 31.0 93.0
134 23.1 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.7

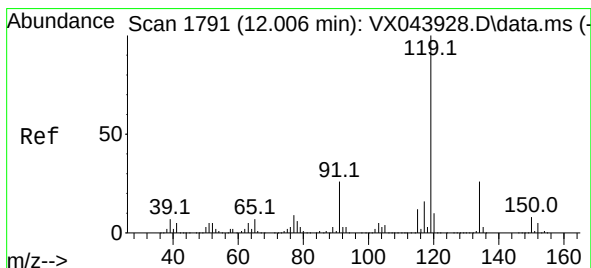
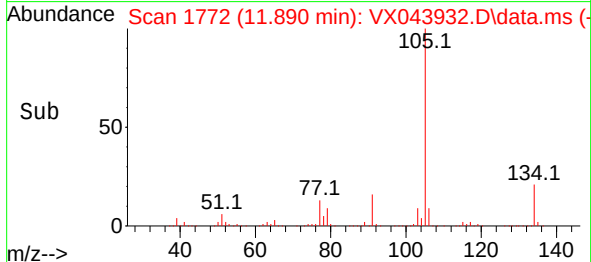
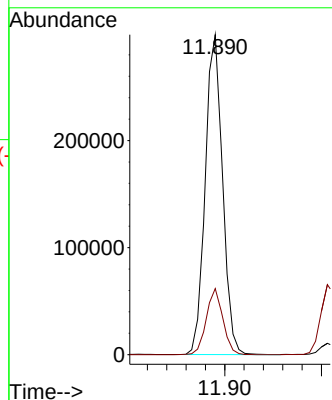
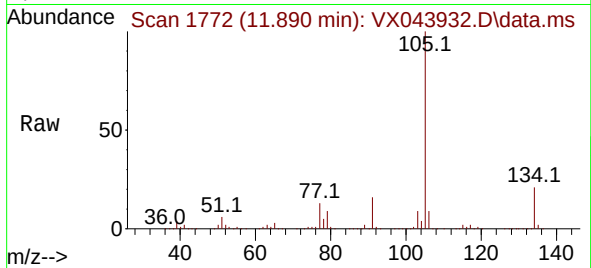




#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

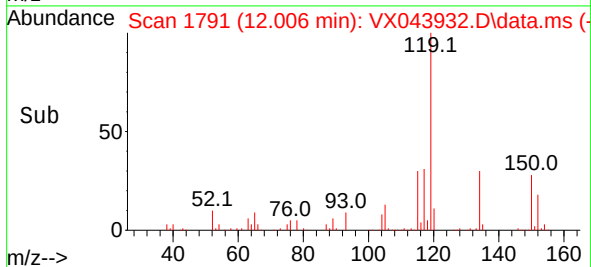
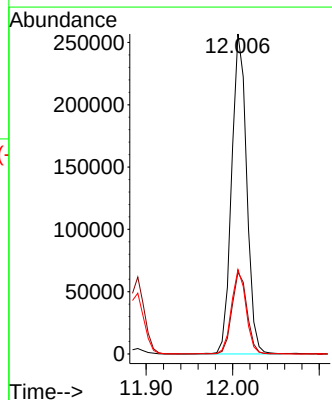
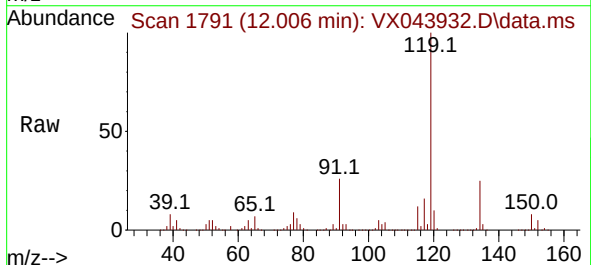
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

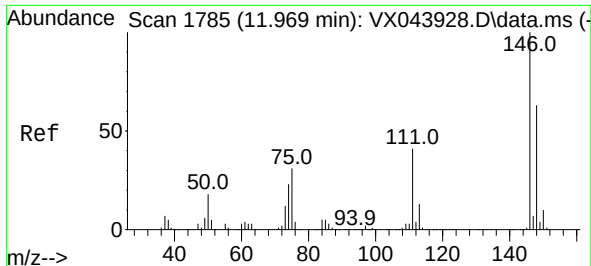
Tgt Ion:105 Resp: 372793
Ion Ratio Lower Upper
105 100
134 19.8 9.7 29.1



#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060
Ion Ratio Lower Upper
119 100
134 25.6 13.0 38.9
91 25.7 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.529 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

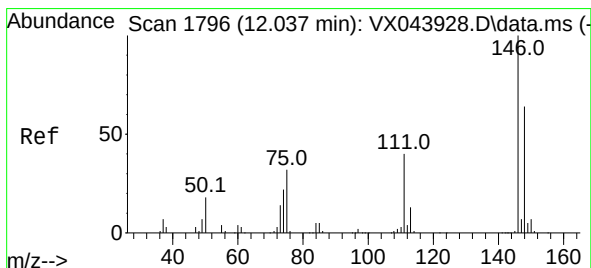
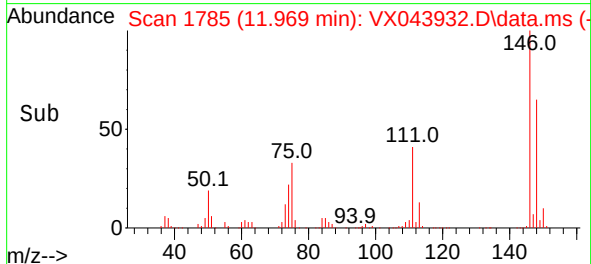
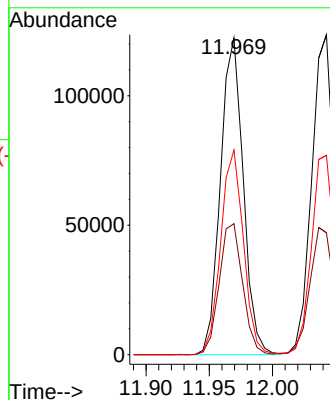
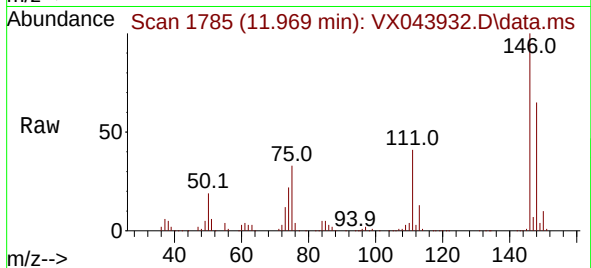
Tgt Ion:146 Resp: 153164

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.3

148 64.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 47.306 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

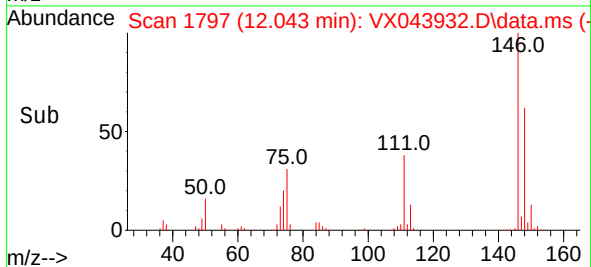
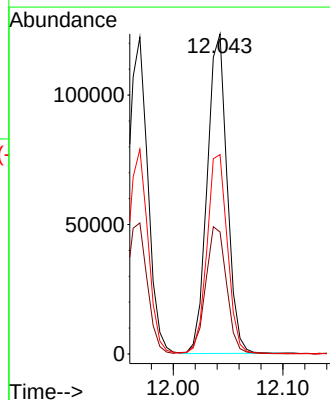
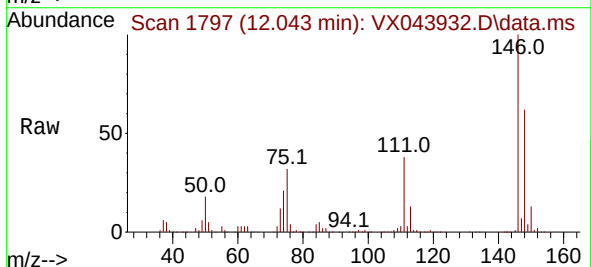
Tgt Ion:146 Resp: 155422

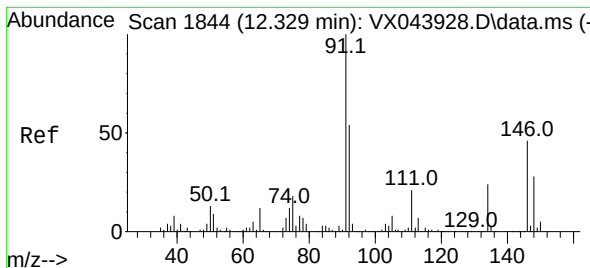
Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

148 64.7 30.9 92.8





#89

n-Butylbenzene

Concen: 52.020 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

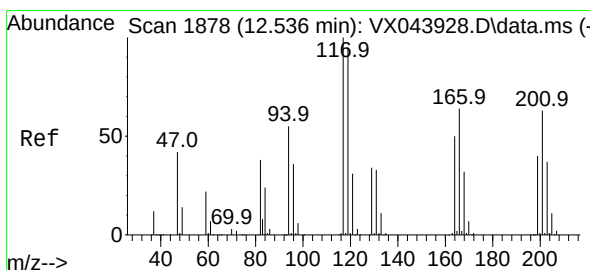
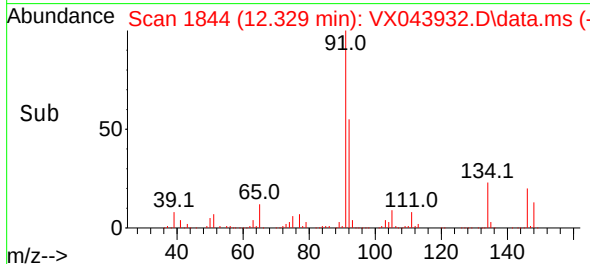
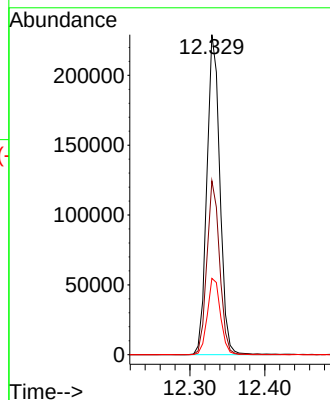
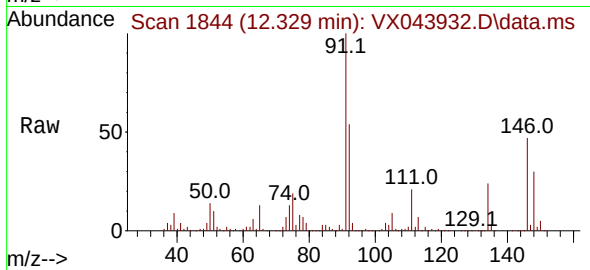
Tgt Ion: 91 Resp: 276075

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.8

134 24.0 12.4 37.2



#90

Hexachloroethane

Concen: 50.050 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043932.D

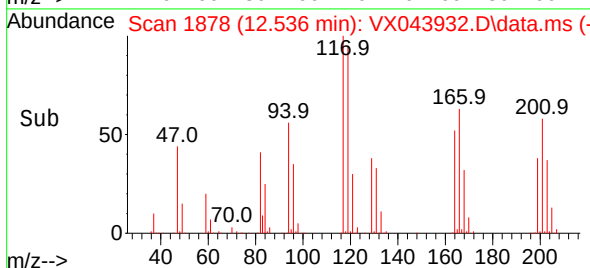
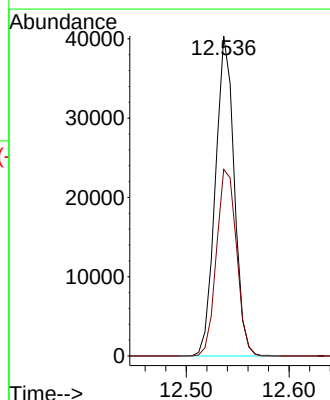
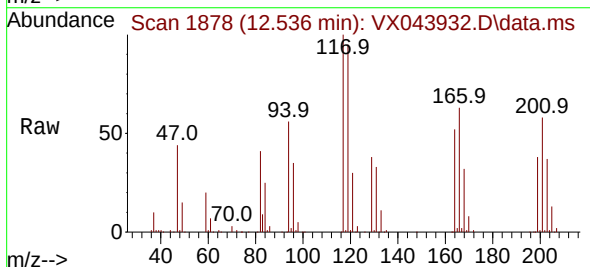
Acq: 21 Nov 2024 13:57

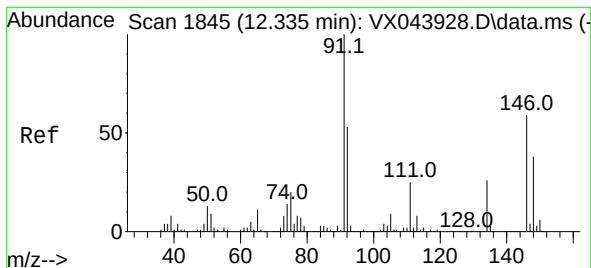
Tgt Ion: 117 Resp: 51229

Ion Ratio Lower Upper

117 100

201 62.2 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 47.656 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

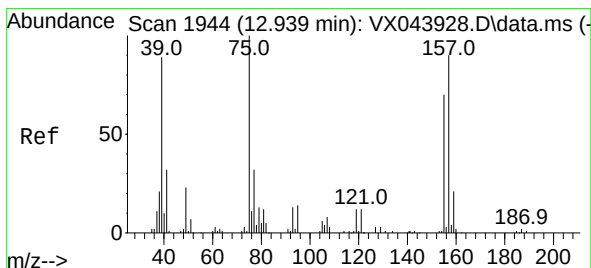
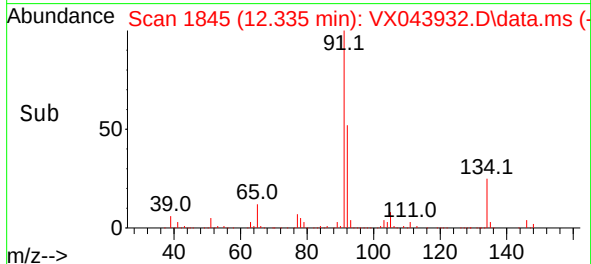
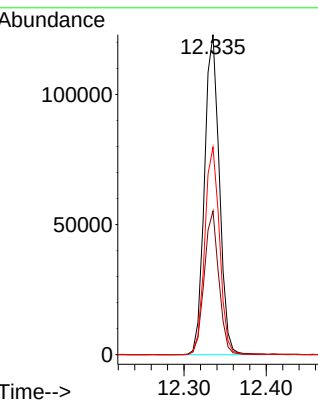
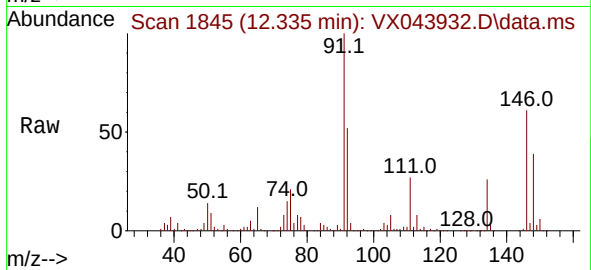
Tgt Ion:146 Resp: 154980

Ion Ratio Lower Upper

146 100

111 43.9 21.5 64.5

148 64.3 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.030 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

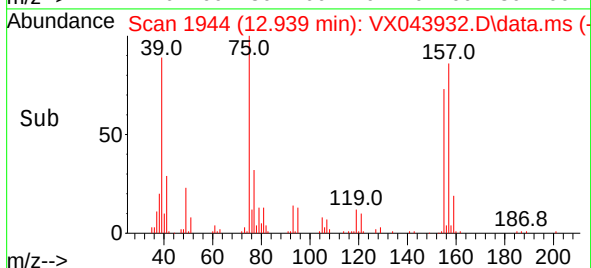
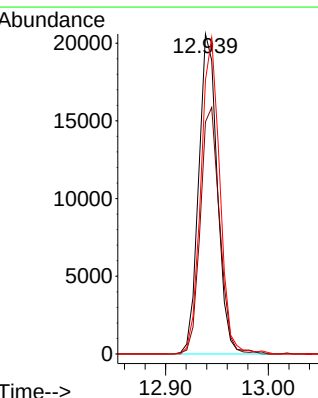
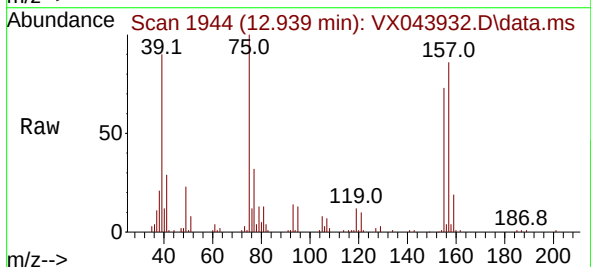
Tgt Ion: 75 Resp: 25968

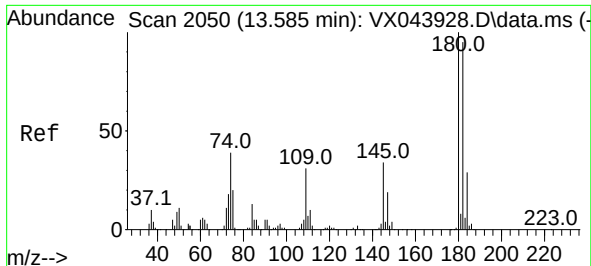
Ion Ratio Lower Upper

75 100

155 79.4 40.1 120.2

157 99.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 49.495 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

ICVX112124

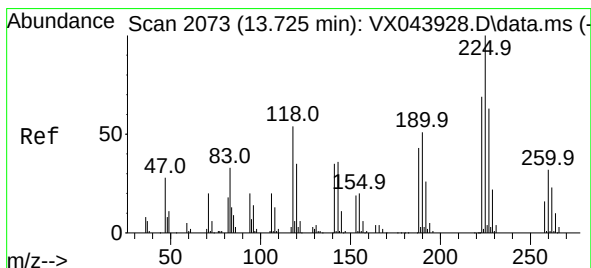
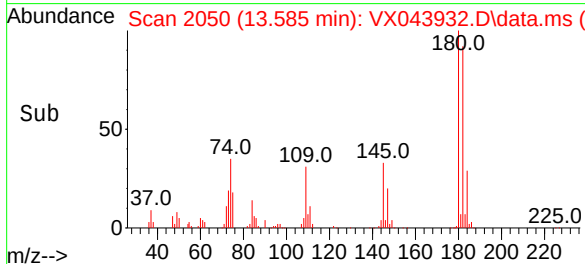
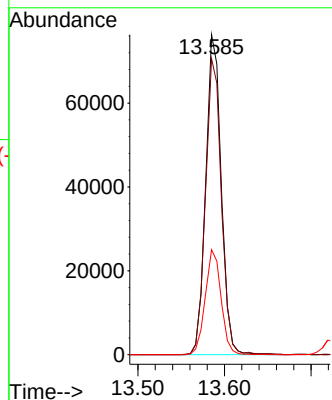
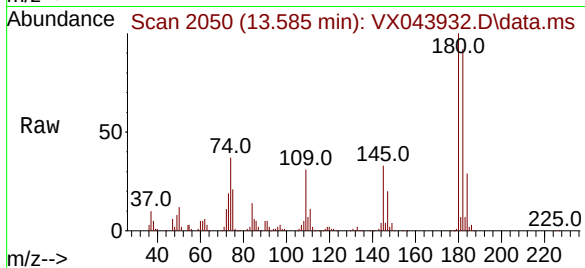
Tgt Ion:180 Resp: 94896

Ion Ratio Lower Upper

180 100

182 94.6 48.0 144.2

145 33.6 16.8 50.4



#94

Hexachlorobutadiene

Concen: 50.065 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

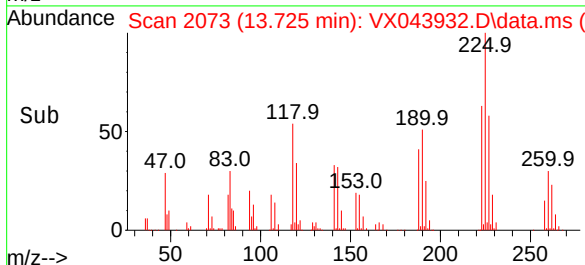
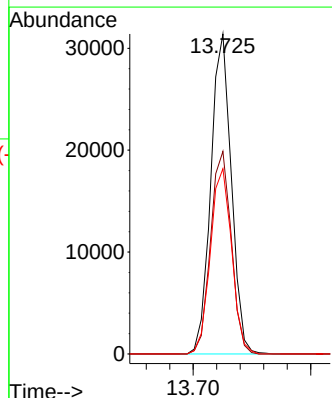
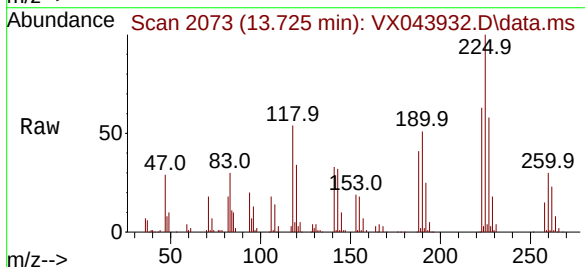
Tgt Ion:225 Resp: 37937

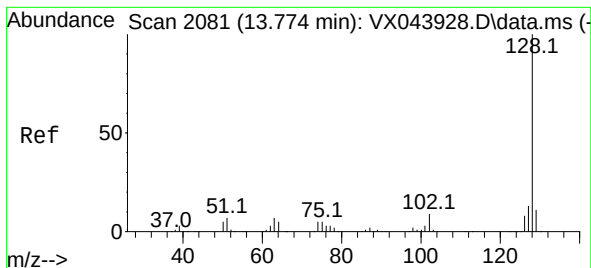
Ion Ratio Lower Upper

225 100

223 64.1 32.9 98.6

227 60.3 31.6 94.8

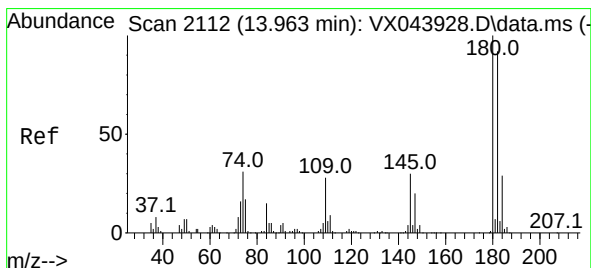
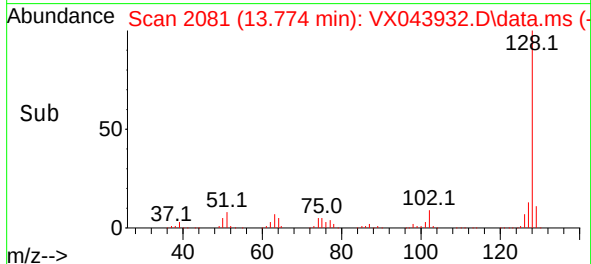
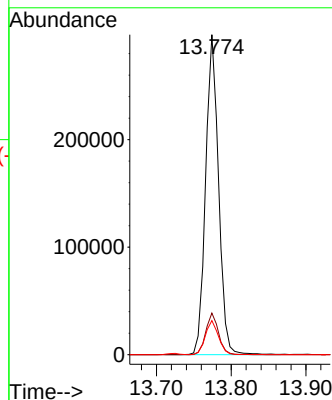
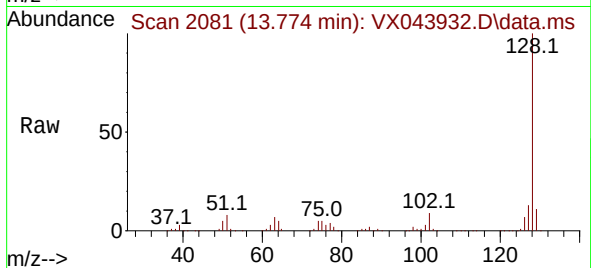




#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

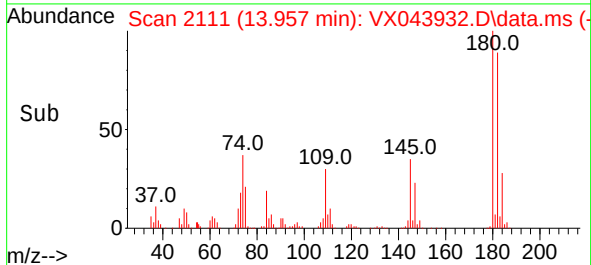
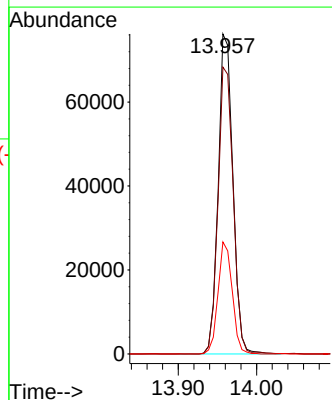
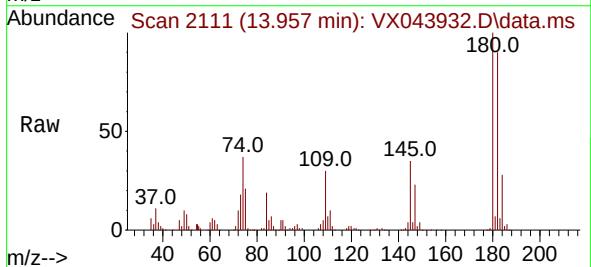
Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Tgt Ion:128 Resp: 357725
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.246 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:180 Resp: 99447
Ion Ratio Lower Upper
180 100
182 92.9 45.6 136.8
145 33.9 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044174.D
 Acq On : 09 Dec 2024 09:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	128814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	227273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97559	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112526	50.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.860%	
35) Dibromofluoromethane	5.379	113	83604	51.481	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.960%	
50) Toluene-d8	8.647	98	273781	48.907	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.820%	
62) 4-Bromofluorobenzene	11.079	95	102733	53.924	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.840%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78580	48.153	ug/l	97
3) Chloromethane	1.294	50	83460	48.602	ug/l	96
4) Vinyl Chloride	1.374	62	93235	51.045	ug/l	99
5) Bromomethane	1.593	94	63602	56.604	ug/l	92
6) Chloroethane	1.666	64	64433	57.893	ug/l	99
7) Trichlorofluoromethane	1.867	101	209538	64.166	ug/l	96
8) Diethyl Ether	2.130	74	64292	54.017	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	86497	55.529	ug/l	98
10) Methyl Iodide	2.441	142	107473	55.244	ug/l	97
11) Tert butyl alcohol	2.995	59	88996	250.958	ug/l	97
12) 1,1-Dichloroethene	2.306	96	79228	53.377	ug/l	95
13) Acrolein	2.233	56	68156	182.338	ug/l	97
14) Allyl chloride	2.654	41	135908	56.036	ug/l	96
15) Acrylonitrile	3.062	53	235606	272.630	ug/l	100
16) Acetone	2.386	43	292184	287.937	ug/l	99
17) Carbon Disulfide	2.502	76	157658	51.493	ug/l	99
18) Methyl Acetate	2.703	43	127089	53.780	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	313920	58.247	ug/l	99
20) Methylene Chloride	2.782	84	90343	52.463	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	82587	53.892	ug/l	95
22) Diisopropyl ether	3.757	45	296776	57.225	ug/l	99
23) Vinyl Acetate	3.715	43	1293362	291.530	ug/l	99
24) 1,1-Dichloroethane	3.599	63	167492	55.983	ug/l	99
25) 2-Butanone	4.556	43	372003	284.114	ug/l	99
26) 2,2-Dichloropropane	4.465	77	154976	57.356	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	103955	54.879	ug/l	98
28) Bromochloromethane	4.891	49	61976	47.061	ug/l	97
29) Tetrahydrofuran	5.001	42	213725	266.254	ug/l	99
30) Chloroform	5.080	83	180181	55.994	ug/l	97
31) Cyclohexane	5.458	56	130877	53.150	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	165489	59.637	ug/l	99
36) 1,1-Dichloropropene	5.684	75	113848	56.258	ug/l	98
37) Ethyl Acetate	4.708	43	141102	56.170	ug/l	97
38) Carbon Tetrachloride	5.666	117	134573	59.182	ug/l	99
39) Methylcyclohexane	7.373	83	147558	56.127	ug/l	96
40) Benzene	6.025	78	344158	54.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044174.D
 Acq On : 09 Dec 2024 09:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	71068	55.276	ug/l	93
42) 1,2-Dichloroethane	6.074	62	144654	57.138	ug/l	100
43) Isopropyl Acetate	6.336	43	229745	57.468	ug/l	99
44) Trichloroethene	7.117	130	86553	48.503	ug/l	91
45) 1,2-Dichloropropane	7.421	63	88451	57.290	ug/l	96
46) Dibromomethane	7.574	93	70569	57.782	ug/l	99
47) Bromodichloromethane	7.818	83	136522	62.329	ug/l	100
48) Methyl methacrylate	7.690	41	108338	56.476	ug/l	99
49) 1,4-Dioxane	7.659	88	25573	748.393	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	711641	291.699	ug/l	99
52) Toluene	8.714	92	215112	57.015	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	135167	60.514	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	146180	59.699	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	88864	57.058	ug/l	98
56) Ethyl methacrylate	9.116	69	146127	60.237	ug/l	98
57) 1,3-Dichloropropane	9.305	76	153530	58.519	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	362299	272.768	ug/l	100
59) 2-Hexanone	9.427	43	543380	296.330	ug/l	99
60) Dibromochloromethane	9.519	129	98737	63.187	ug/l	97
61) 1,2-Dibromoethane	9.604	107	92681	58.852	ug/l	99
64) Tetrachloroethene	9.269	164	73287	56.432	ug/l	97
65) Chlorobenzene	10.073	112	237896	54.997	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	85186	60.723	ug/l	98
67) Ethyl Benzene	10.189	91	427705	58.352	ug/l	98
68) m/p-Xylenes	10.299	106	315039	115.254	ug/l	97
69) o-Xylene	10.640	106	158561	59.412	ug/l	98
70) Styrene	10.652	104	264223	59.859	ug/l	98
71) Bromoform	10.799	173	61264	56.868	ug/l #	97
73) Isopropylbenzene	10.957	105	413444	55.131	ug/l	100
74) N-amyl acetate	10.841	43	196483	56.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	136043	52.980	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	152111	71.098	ug/l	82
77) Bromobenzene	11.195	156	97626	54.572	ug/l	98
78) n-propylbenzene	11.299	91	481969	57.544	ug/l	98
79) 2-Chlorotoluene	11.360	91	288045	54.387	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	345791	56.047	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	42472	54.171	ug/l	95
82) 4-Chlorotoluene	11.451	91	333051	55.701	ug/l	100
83) tert-Butylbenzene	11.713	119	353753	57.848	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	351113	57.161	ug/l	99
85) sec-Butylbenzene	11.890	105	431266	57.559	ug/l	100
86) p-Isopropyltoluene	12.006	119	364608	59.908	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	178533	54.794	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	179485	54.031	ug/l	97
89) n-Butylbenzene	12.329	91	328165	61.157	ug/l	99
90) Hexachloroethane	12.536	117	60642	58.597	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	180867	55.006	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30602	59.476	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	108534	55.987	ug/l	100
94) Hexachlorobutadiene	13.719	225	43419	56.671	ug/l	98
95) Naphthalene	13.774	128	405265	58.075	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	110149	56.138	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044174.D
Acq On : 09 Dec 2024 09:42
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 01:35:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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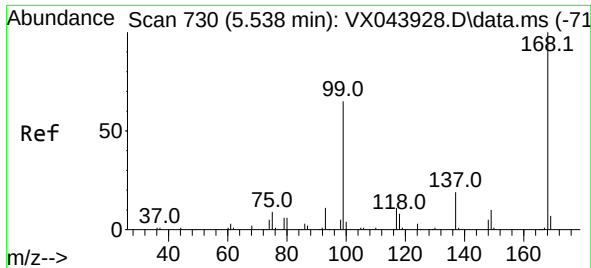
(#) = qualifier out of range (m) = manual integration (+) = signals summed

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

TIC: VX044174.D\data.ms

The chromatogram displays a complex mixture of compounds. Key peaks include:

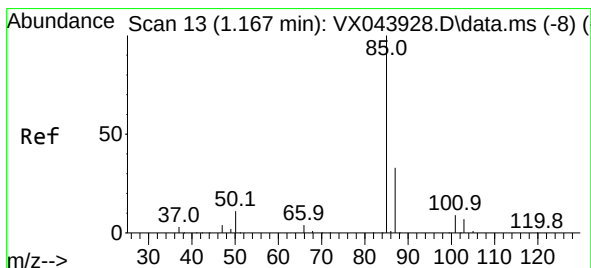
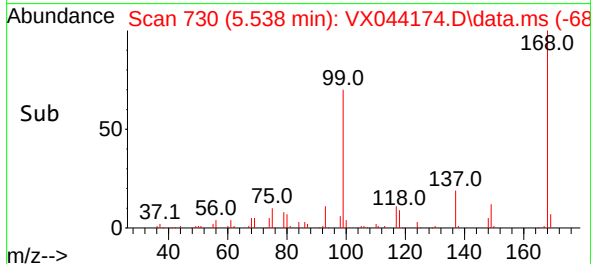
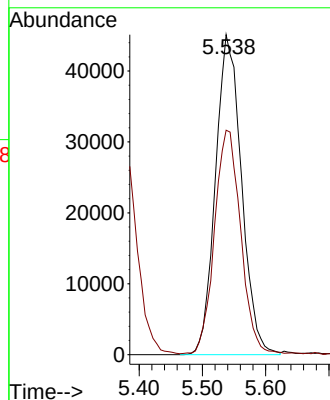
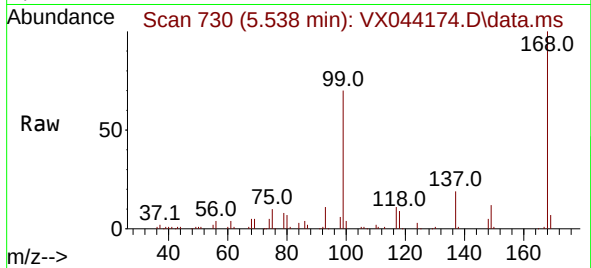
- Early Eluting Compounds (0-4 min):** Dichlorodifluoromethane, Chloroethane, Trichlorofluoromethane, Acrolein, Diethyl Ether, Methyl acetate, Methyl chloroacetate, Methyl acrylate, Tert-butyl alcohol, 1,1-Dichloroethane, Isopropyl ether.
- Middle Eluting Compounds (4-8 min):** Ethyl acetate, 2-Butanone, Bromochloropropane, Chloroform, Pentachlorobenzene, Cyclohexanone, 1,2-Dichloroethane-d4, 1,2-Dichloroethane, Isopropyl acetate, 1,4-Difluorobenzene, Trichloroethene, 1,2-Dichlorobenzene, Hexachlorocyclopentadiene, 1,4-Dioxane, Dibromomethane, Bromodichloromethane, cis-1,3-Dichloropropene, t-1,3-Dichloropropene, 1,3-Dichloropropane, 1,3-Dichlorobenzene, 1,2-Dibromoethane, 1,1,2-Trichloroethane, 1,1,2-Trichloroethane-d4, Ethyl benzene, m,p-Xylenes.
- Late Eluting Compounds (8-16 min):** Toluene, 2-Hexanone, 2-Chloroethyl Vinyl ether, 4-Methyl-2-Pentanone, Styrene, o-Xylene, Isopropylbenzene, Propylbenzene, 2-Chlorotoluene, 2,4-Dimethylbenzene, tert-Butylbenzene, 1,2-Dichlorobenzene, Butylbenzene, 1,2-Dibromo-3-Chloropropane, Hexachlorobutadiene, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene.



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

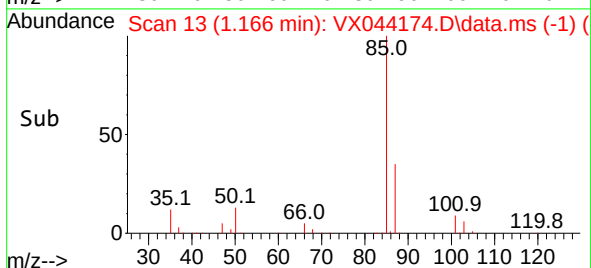
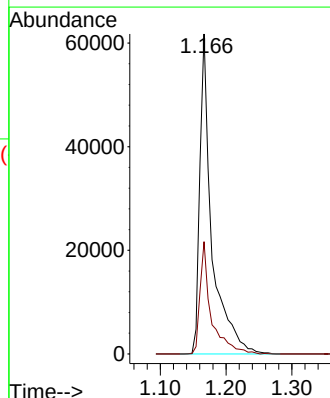
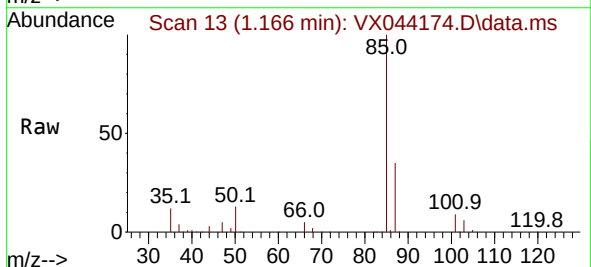
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

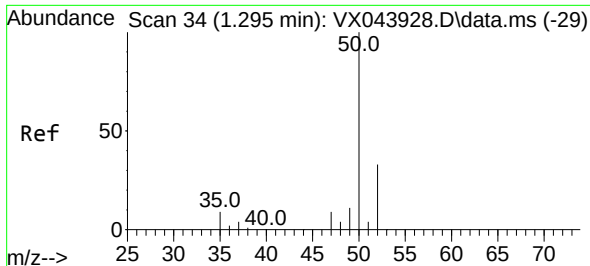
Tgt Ion:168 Resp: 128814
Ion Ratio Lower Upper
168 100
99 69.8 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 48.153 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 85 Resp: 78580
Ion Ratio Lower Upper
85 100
87 35.1 16.6 49.8

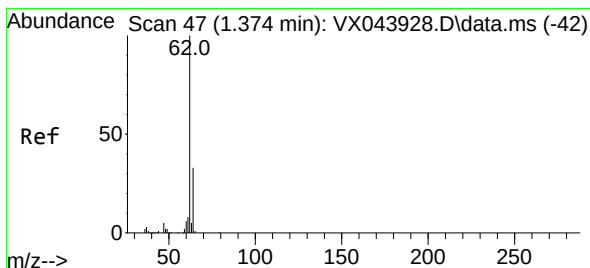
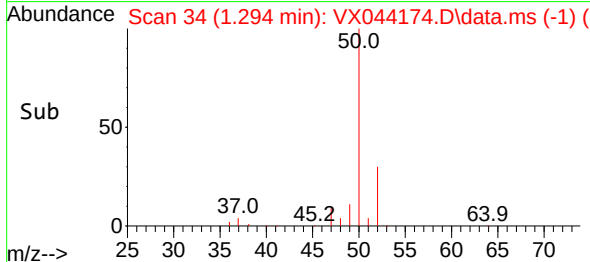
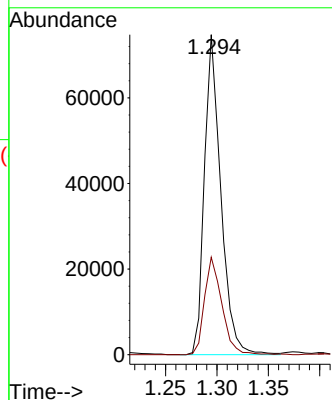
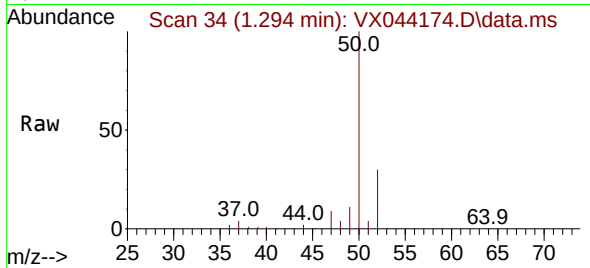




#3
Chloromethane
Concen: 48.602 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

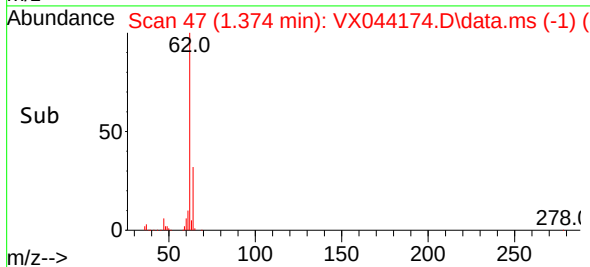
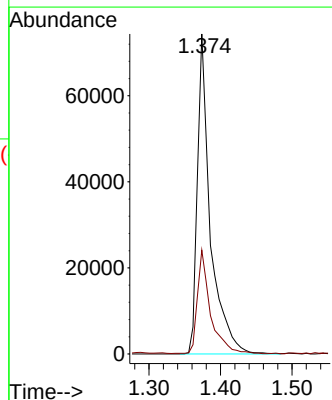
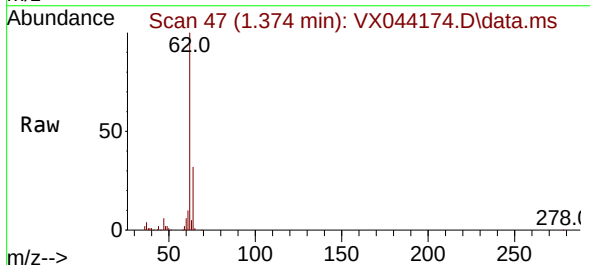
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

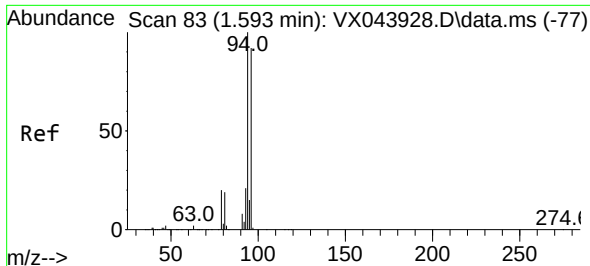
Tgt Ion: 50 Resp: 83460
Ion Ratio Lower Upper
50 100
52 30.4 26.1 39.1



#4
Vinyl Chloride
Concen: 51.045 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 62 Resp: 93235
Ion Ratio Lower Upper
62 100
64 32.4 26.2 39.4

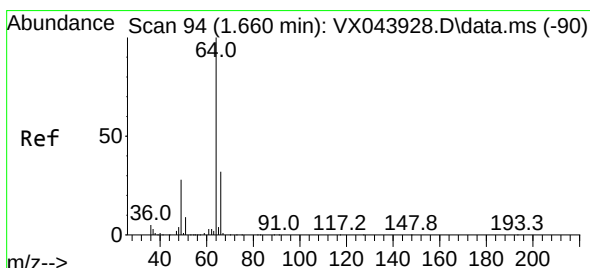
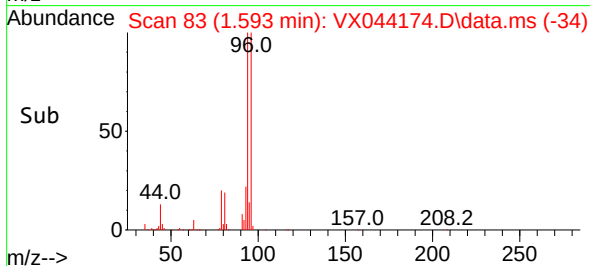
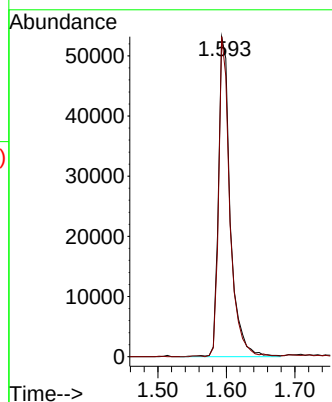
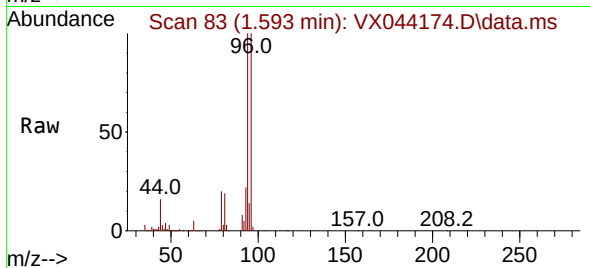




#5
Bromomethane
Concen: 56.604 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

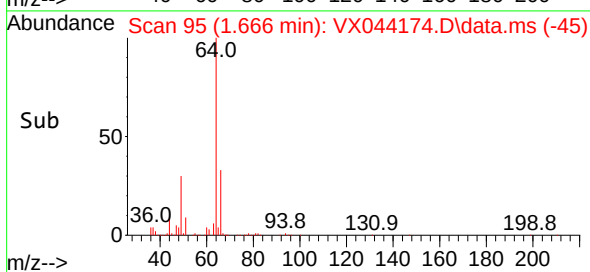
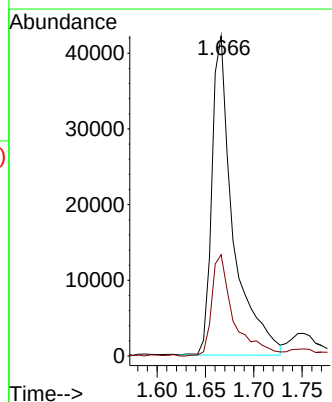
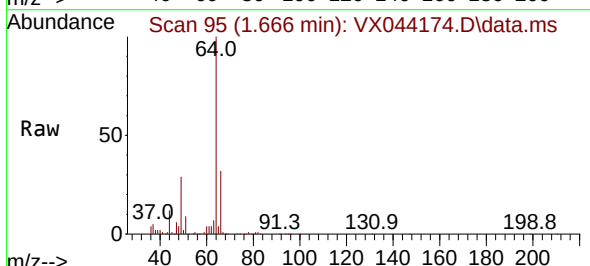
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

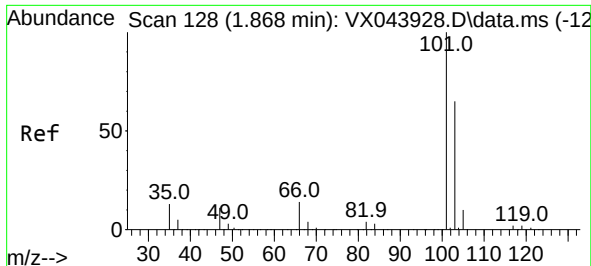
Tgt Ion: 94 Resp: 63602
Ion Ratio Lower Upper
94 100
96 100.0 73.9 110.9



#6
Chloroethane
Concen: 57.893 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 64 Resp: 64433
Ion Ratio Lower Upper
64 100
66 31.7 25.9 38.9

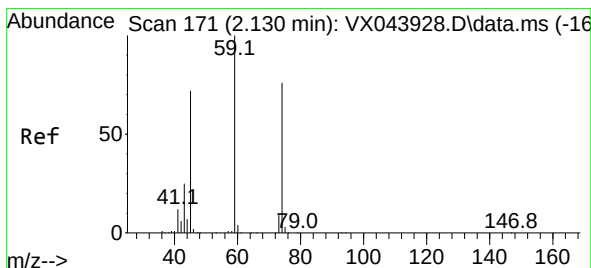
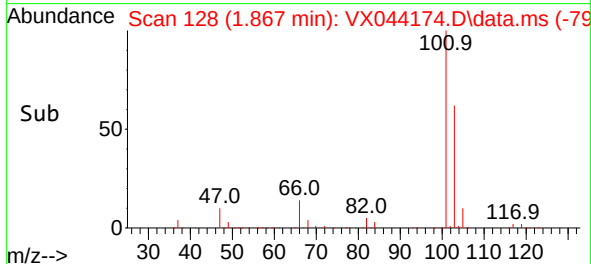
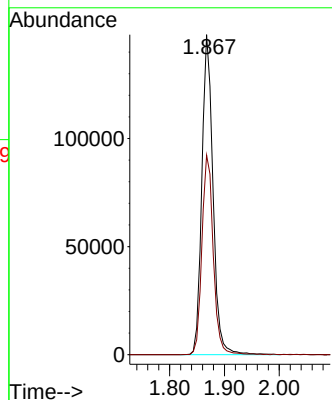
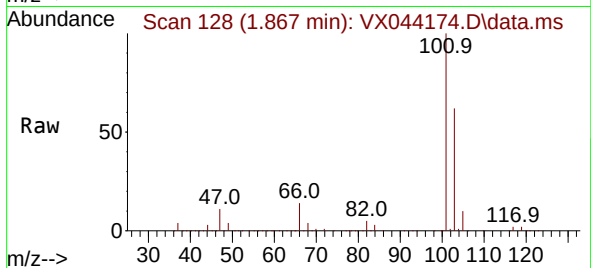




#7
 Trichlorofluoromethane
 Concen: 64.166 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX044174.D
 Acq: 09 Dec 2024 09:42

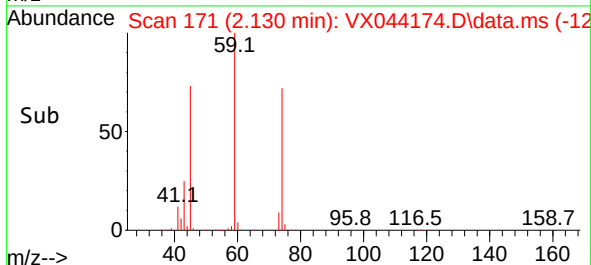
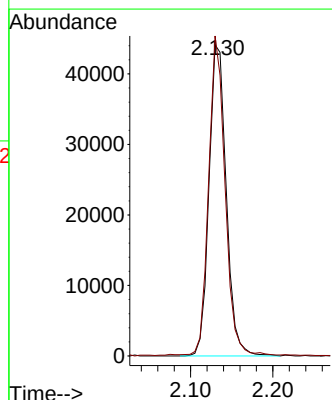
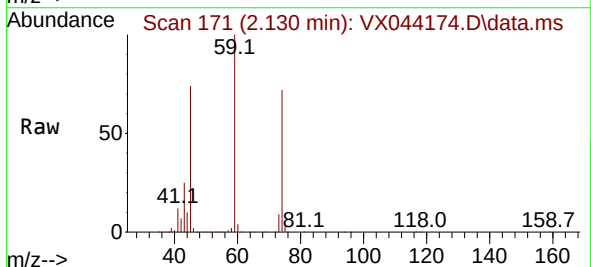
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

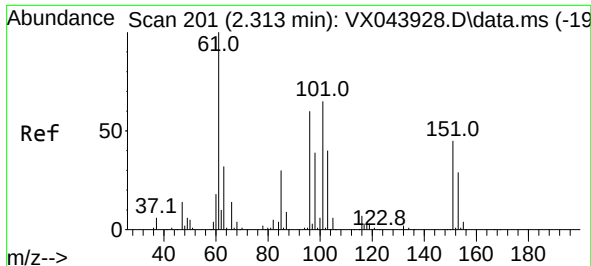
Tgt Ion:101 Resp: 209538
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.2 78.2



#8
 Diethyl Ether
 Concen: 54.017 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VX044174.D
 Acq: 09 Dec 2024 09:42

Tgt Ion: 74 Resp: 64292
 Ion Ratio Lower Upper
 74 100
 45 97.0 47.9 143.6

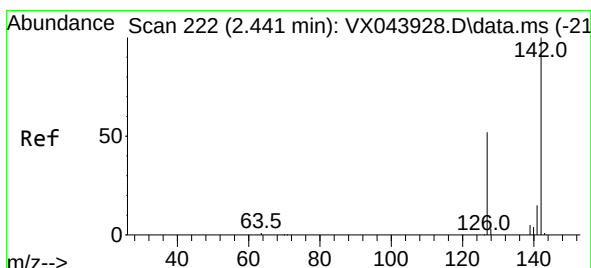
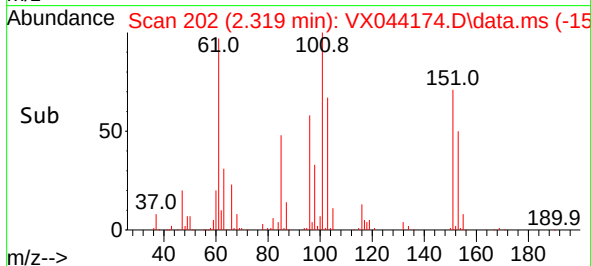
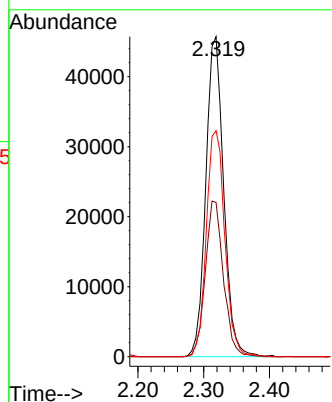
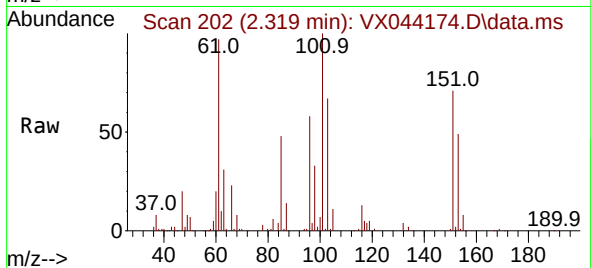




#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.529 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

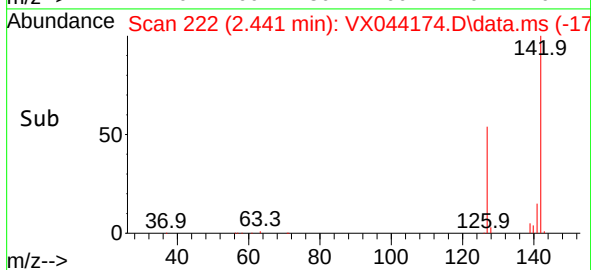
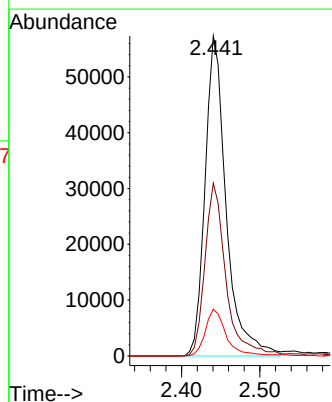
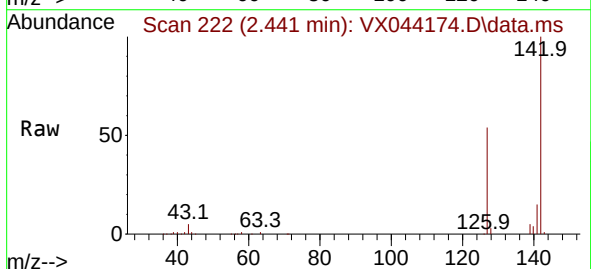
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

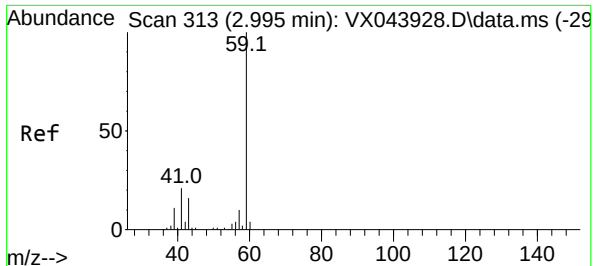
Tgt Ion:101 Resp: 86497
Ion Ratio Lower Upper
101 100
85 49.2 37.9 56.9
151 73.3 57.5 86.3



#10
Methyl Iodide
Concen: 55.244 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:142 Resp: 107473
Ion Ratio Lower Upper
142 100
127 53.5 40.7 61.1
141 14.8 12.0 18.0

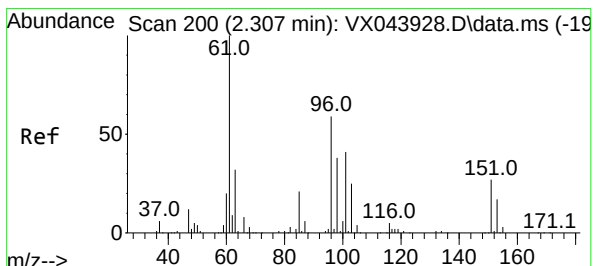
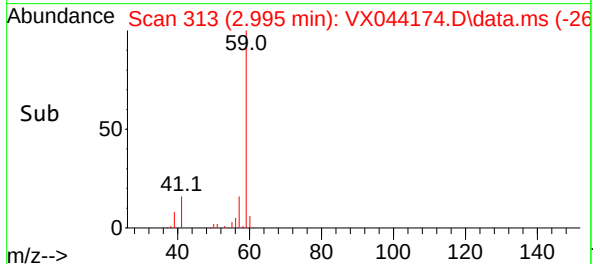
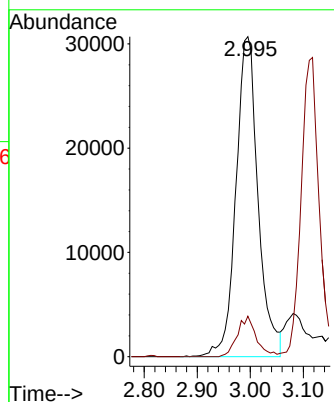
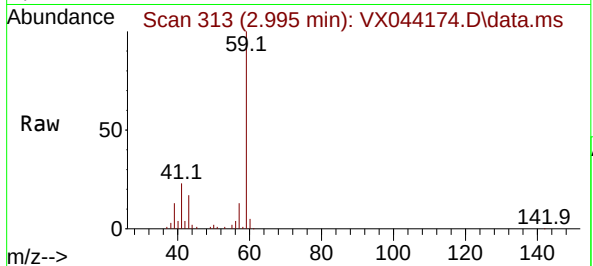




#11
Tert butyl alcohol
Concen: 250.958 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

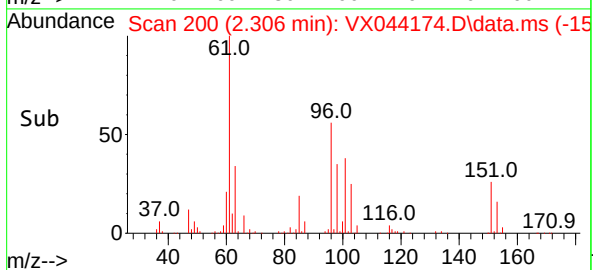
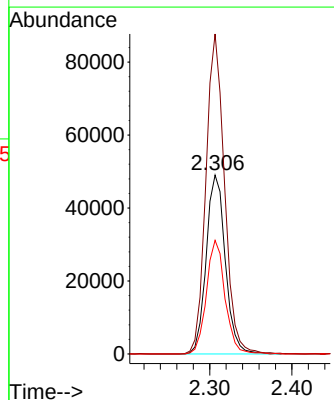
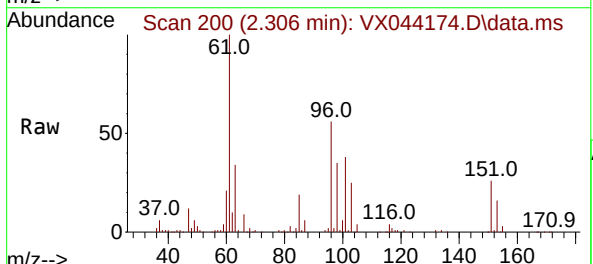
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

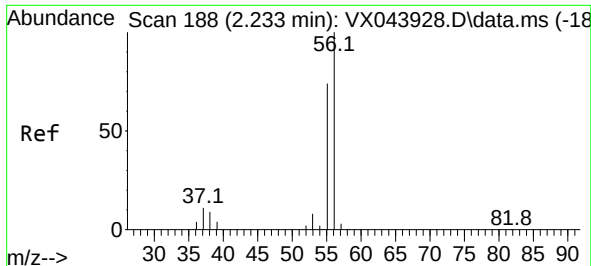
Tgt Ion: 59 Resp: 88996
Ion Ratio Lower Upper
59 100
57 10.8 7.9 11.9



#12
1,1-Dichloroethene
Concen: 53.377 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 96 Resp: 79228
Ion Ratio Lower Upper
96 100
61 178.9 135.5 203.3
98 63.5 50.8 76.2

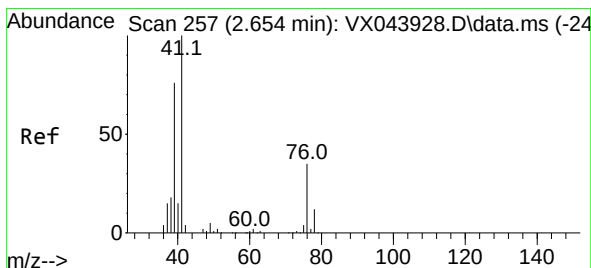
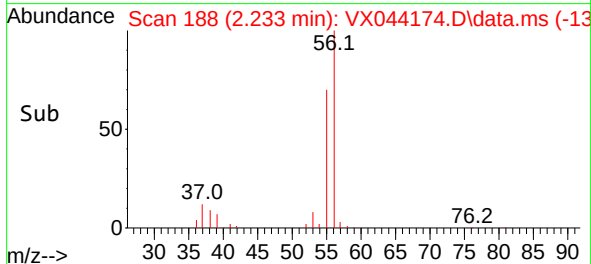
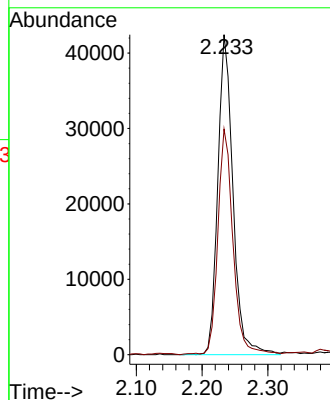
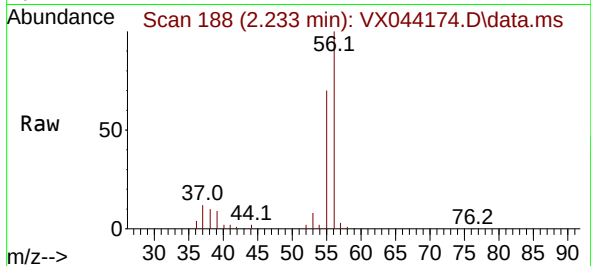




#13
Acrolein
Concen: 182.338 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

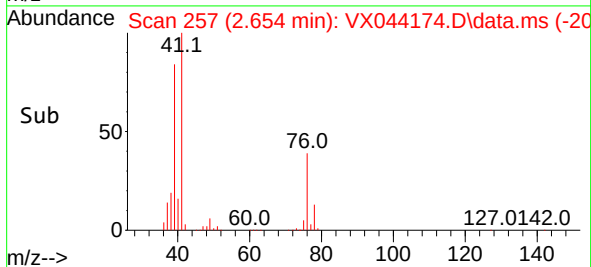
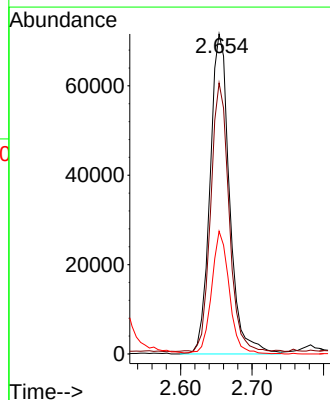
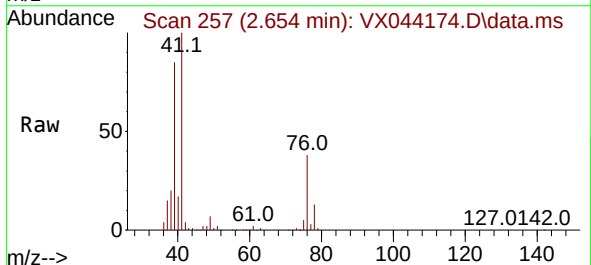
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

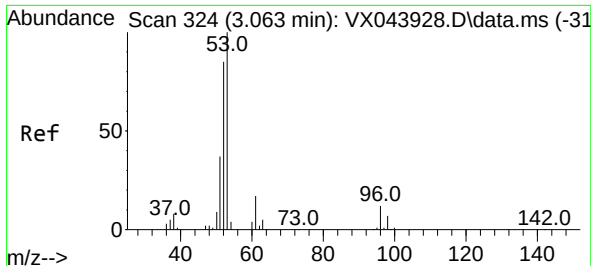
Tgt Ion: 56 Resp: 68156
Ion Ratio Lower Upper
56 100
55 70.6 58.2 87.2



#14
Allyl chloride
Concen: 56.036 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 41 Resp: 135908
Ion Ratio Lower Upper
41 100
39 78.6 59.5 89.3
76 34.8 27.4 41.2

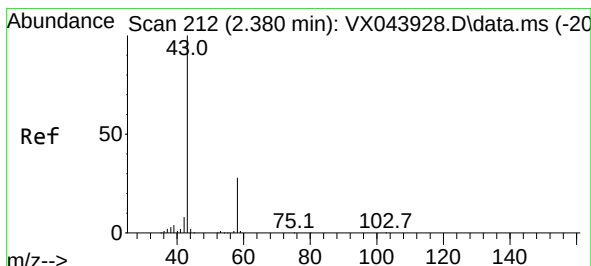
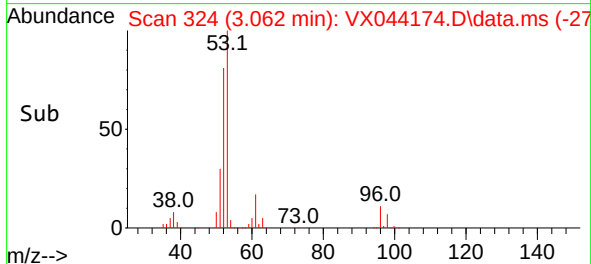
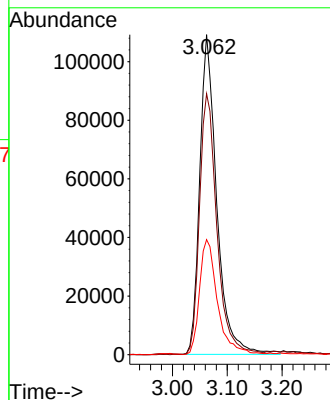
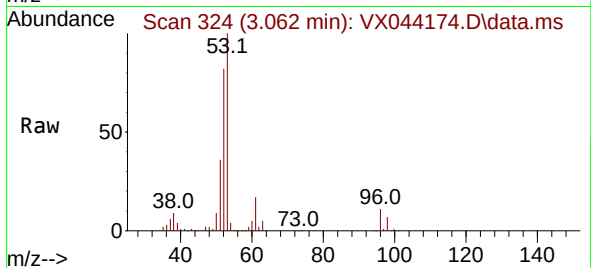




#15
Acrylonitrile
Concen: 272.630 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

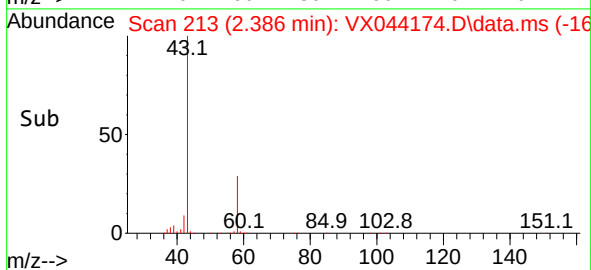
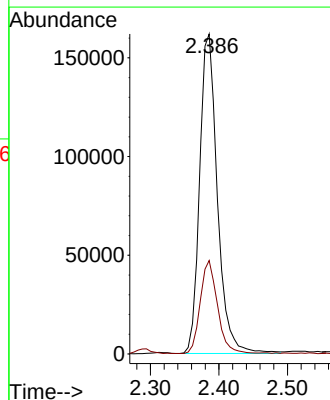
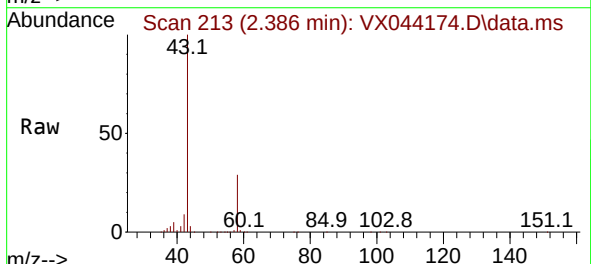
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

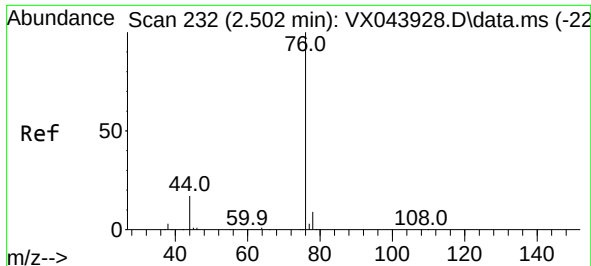
Tgt Ion: 53 Resp: 235606
Ion Ratio Lower Upper
53 100
52 83.6 66.5 99.7
51 37.8 30.2 45.4



#16
Acetone
Concen: 287.937 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 292184
Ion Ratio Lower Upper
43 100
58 29.1 22.7 34.1

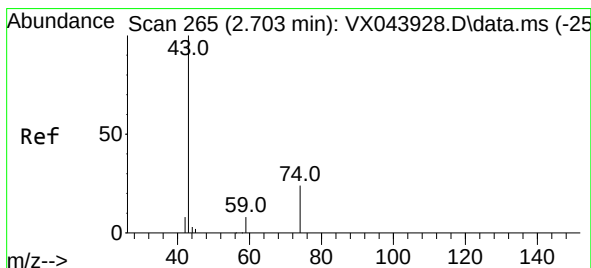
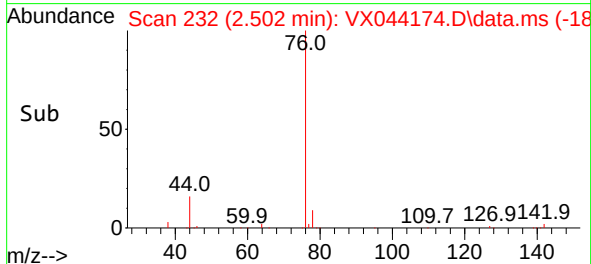
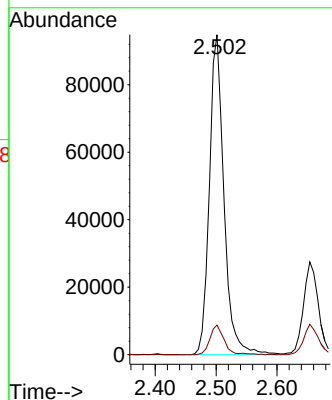
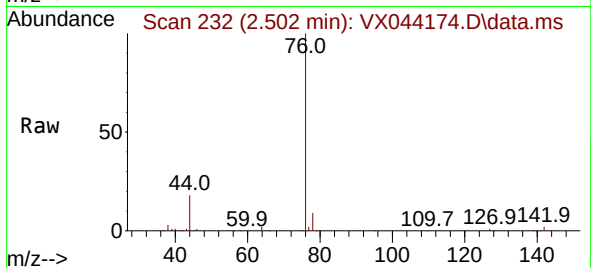




#17
Carbon Disulfide
Concen: 51.493 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

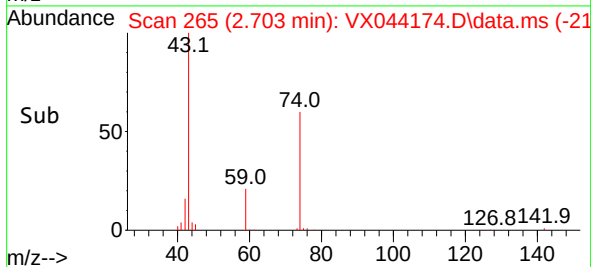
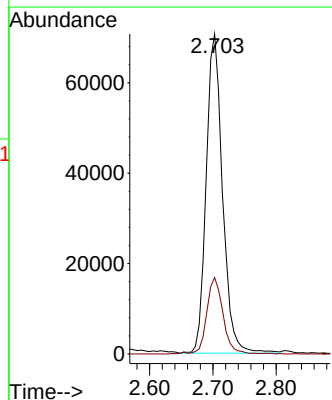
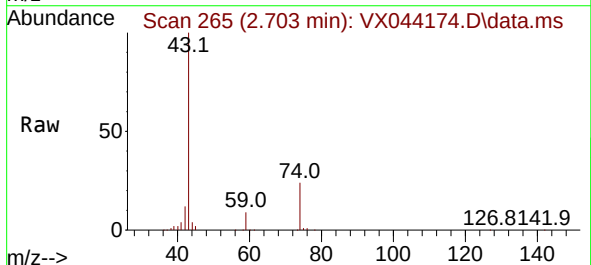
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

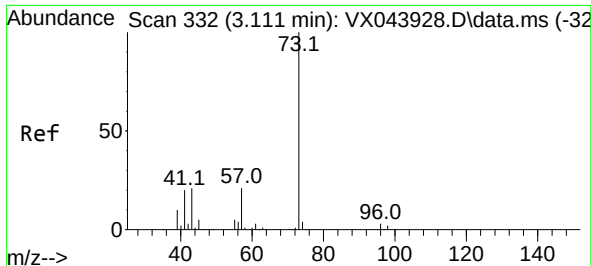
Tgt Ion: 76 Resp: 157658
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 53.780 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 127089
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3

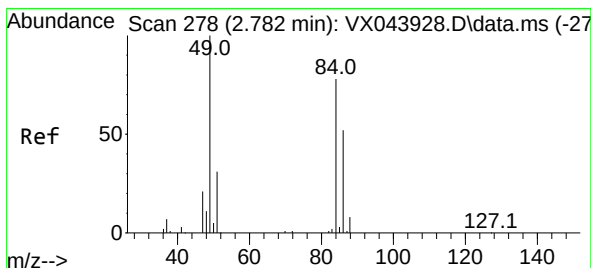
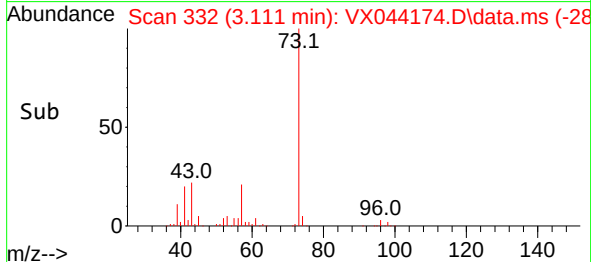
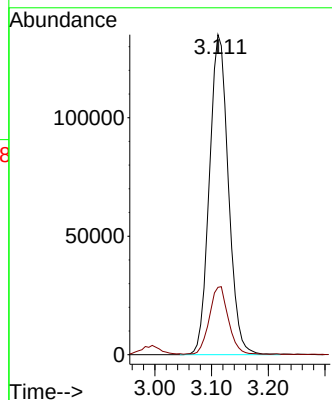
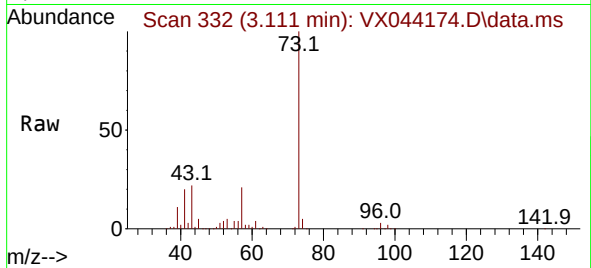




#19
Methyl tert-butyl Ether
Concen: 58.247 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

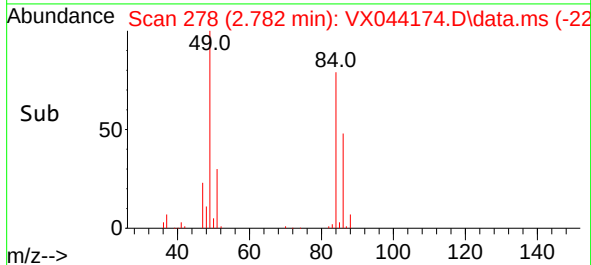
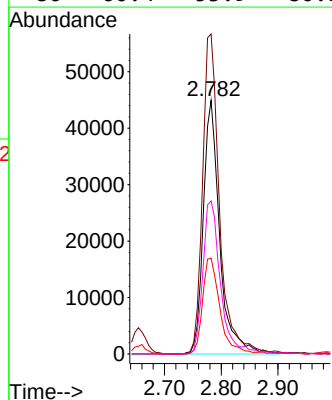
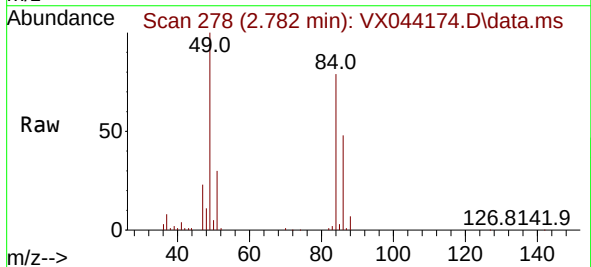
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

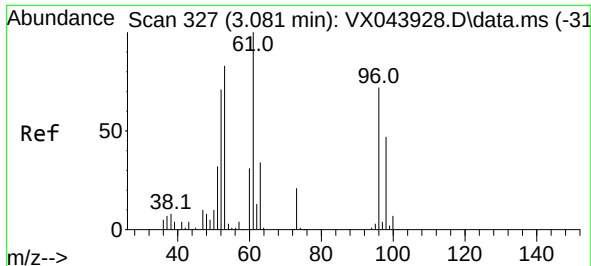
Tgt Ion: 73 Resp: 313920
Ion Ratio Lower Upper
73 100
57 20.9 17.0 25.6



#20
Methylene Chloride
Concen: 52.463 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 84 Resp: 90343
Ion Ratio Lower Upper
84 100
49 126.2 102.7 154.1
51 37.8 31.7 47.5
86 60.4 53.9 80.9

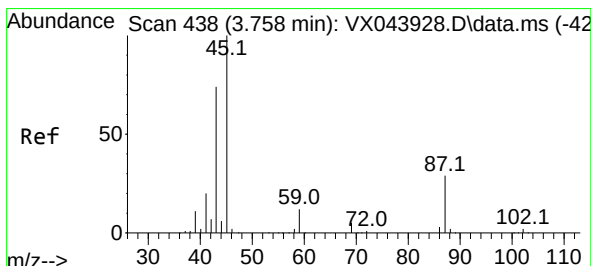
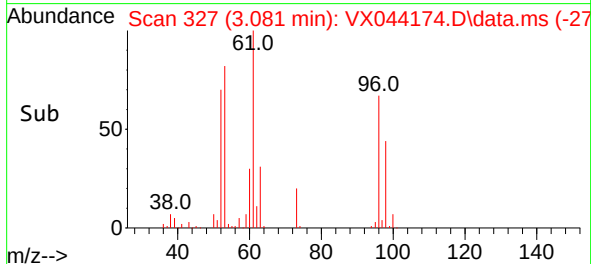
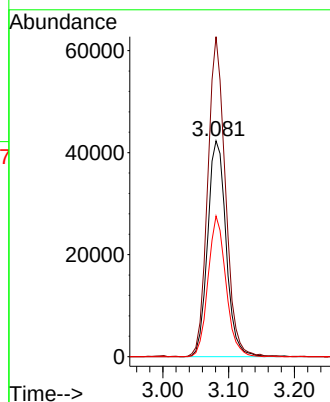
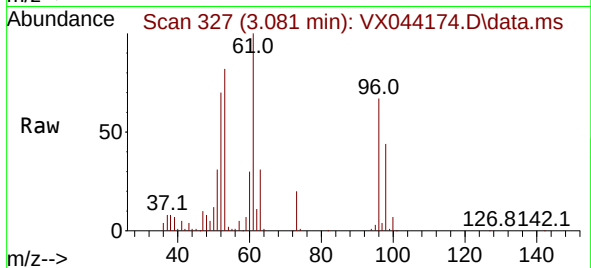




#21
trans-1,2-Dichloroethene
Concen: 53.892 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

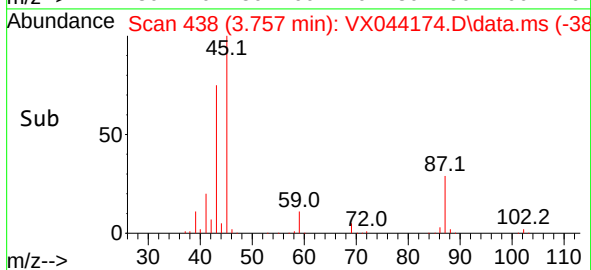
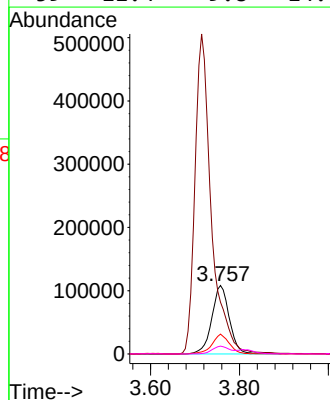
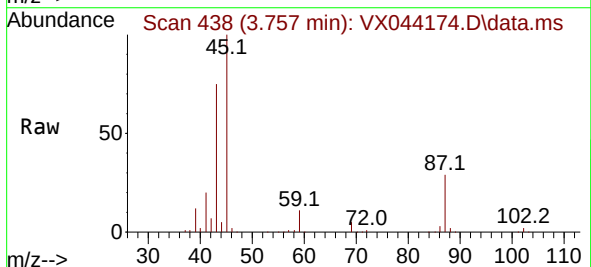
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

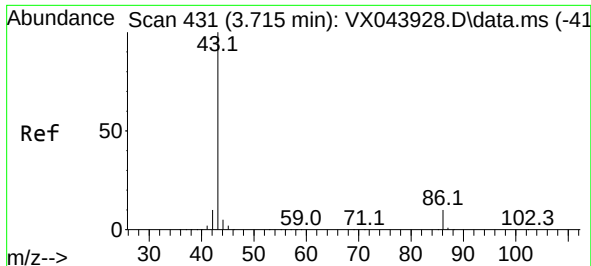
Tgt Ion: 96 Resp: 82587
Ion Ratio Lower Upper
96 100
61 148.3 111.8 167.6
98 65.2 52.7 79.1



#22
Diisopropyl ether
Concen: 57.225 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 45 Resp: 296776
Ion Ratio Lower Upper
45 100
43 75.1 59.6 89.4
87 29.1 22.9 34.3
59 11.4 9.8 14.6

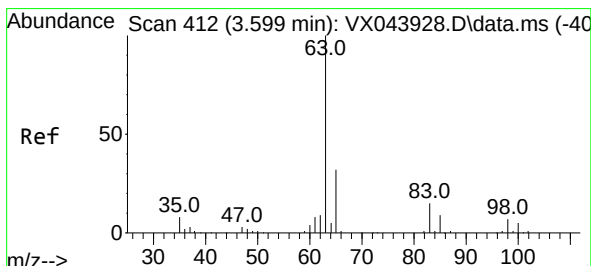
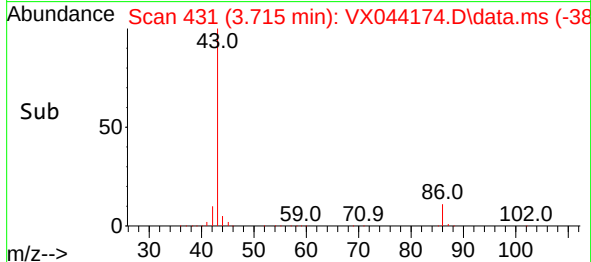
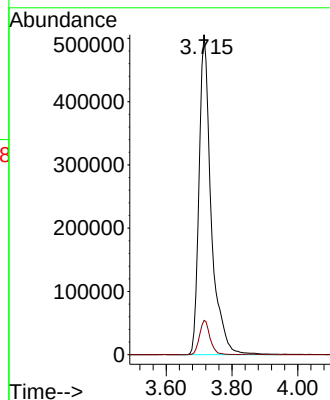
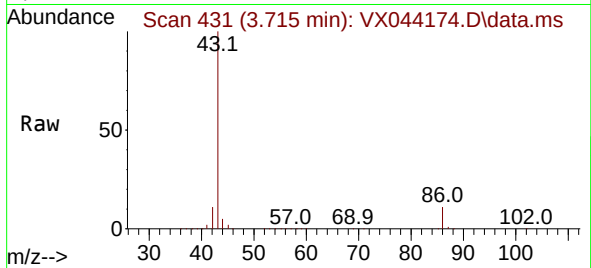




#23
Vinyl Acetate
Concen: 291.530 ug/l
RT: 3.715 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

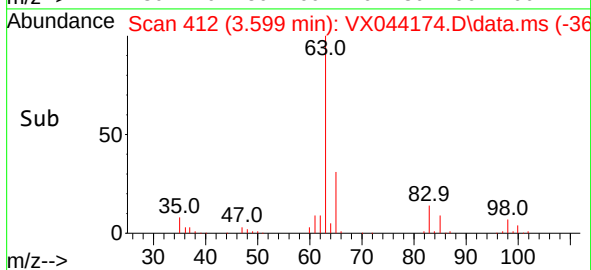
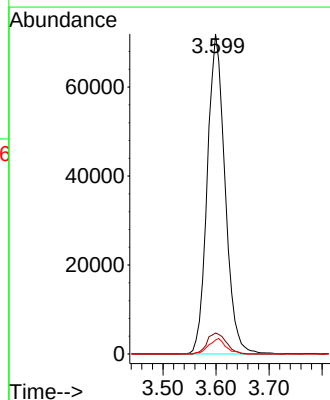
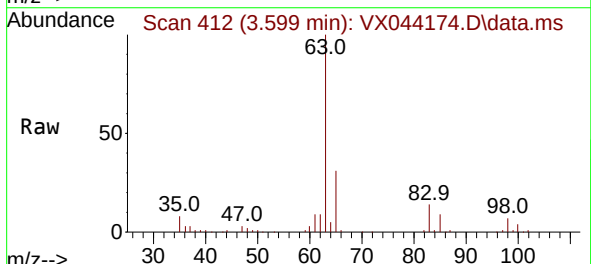
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

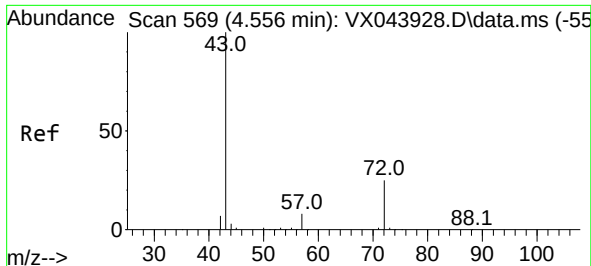
Tgt Ion: 43 Resp: 1293362
Ion Ratio Lower Upper
43 100
86 10.7 8.3 12.5



#24
1,1-Dichloroethane
Concen: 55.983 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 63 Resp: 167492
Ion Ratio Lower Upper
63 100
98 6.5 3.5 10.6
100 4.4 2.4 7.1

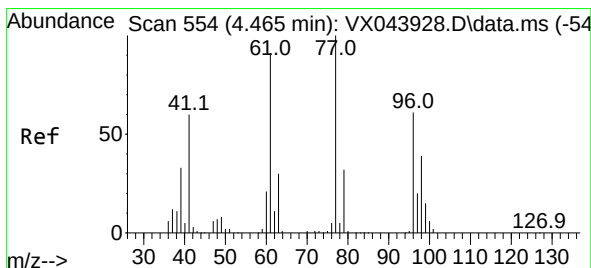
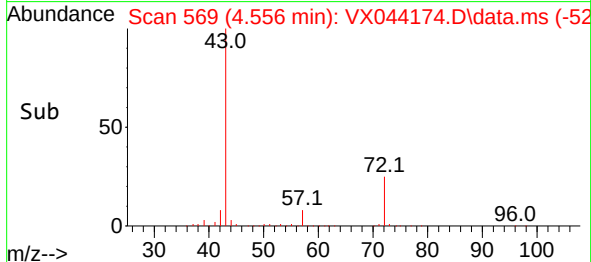
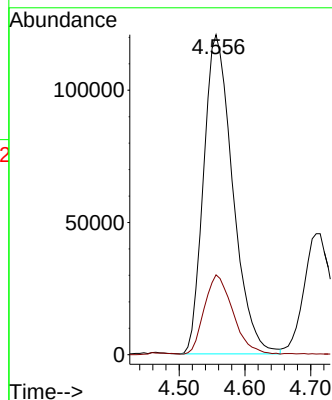
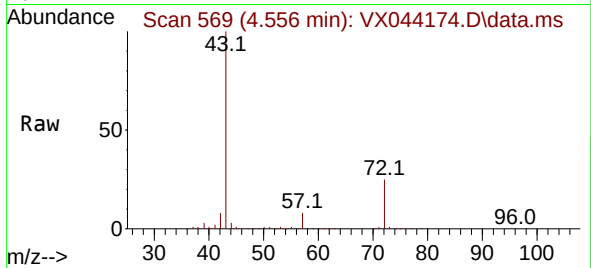




#25
2-Butanone
Concen: 284.114 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

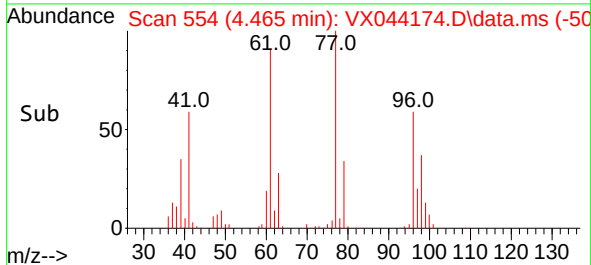
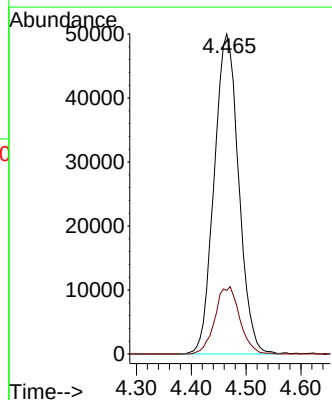
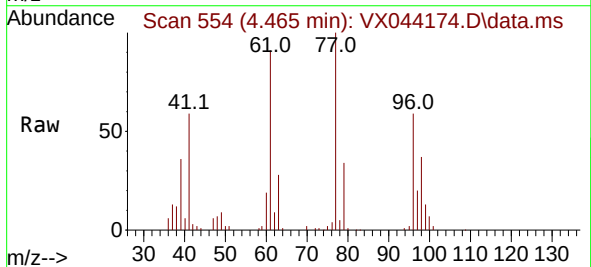
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

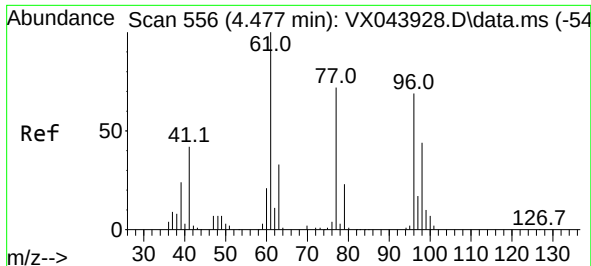
Tgt Ion: 43 Resp: 372003
Ion Ratio Lower Upper
43 100
72 24.8 20.2 30.2



#26
2,2-Dichloropropane
Concen: 57.356 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 77 Resp: 154976
Ion Ratio Lower Upper
77 100
97 21.3 10.8 32.3

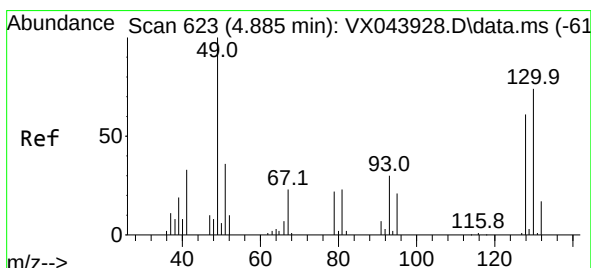
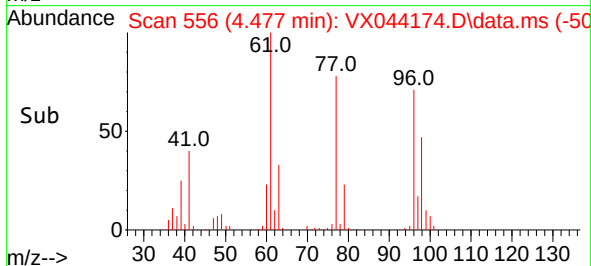
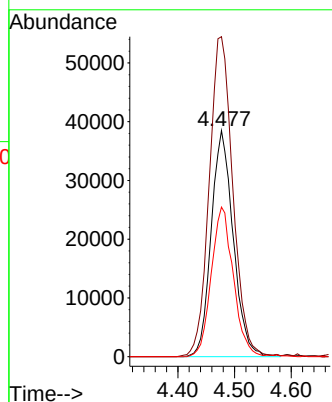
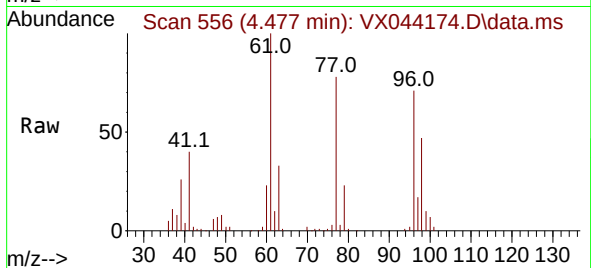




#27
cis-1,2-Dichloroethene
Concen: 54.879 ug/l
RT: 4.477 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

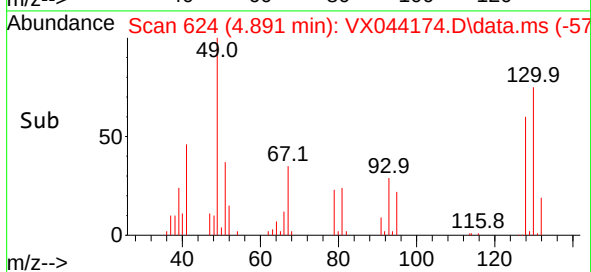
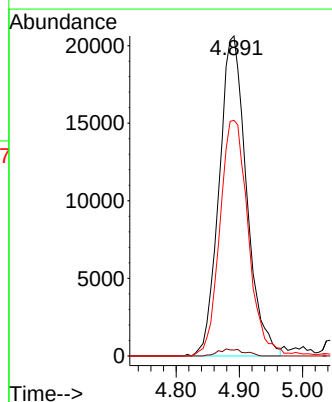
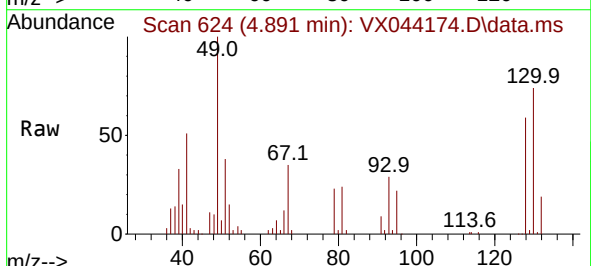
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

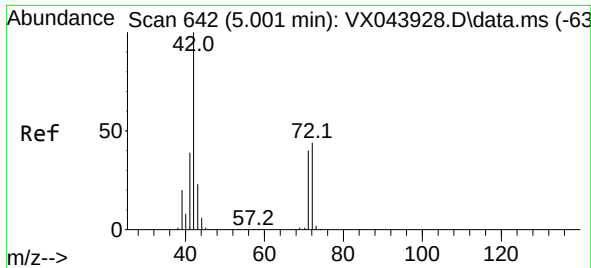
Tgt Ion: 96 Resp: 103955
Ion Ratio Lower Upper
96 100
61 151.5 0.0 297.4
98 66.0 0.0 127.8



#28
Bromochloromethane
Concen: 47.061 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 49 Resp: 61976
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 76.1 59.0 88.6

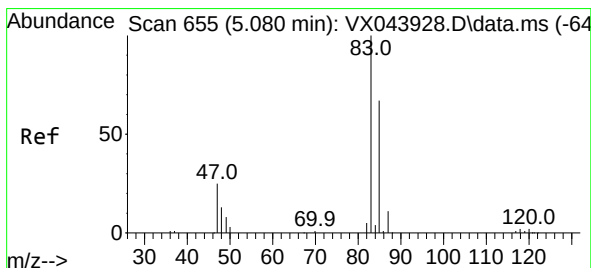
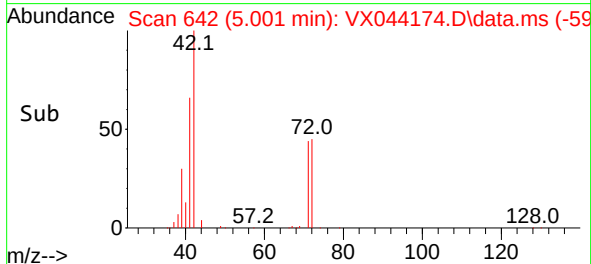
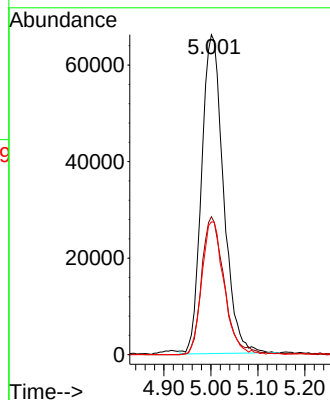
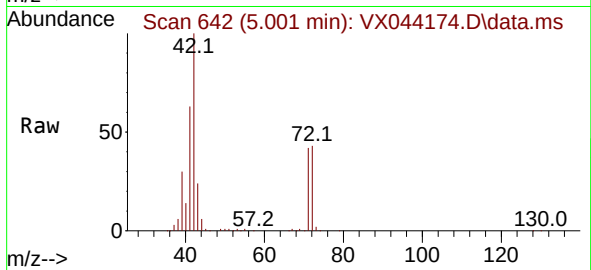




#29
Tetrahydrofuran
Concen: 266.254 ug/l
RT: 5.001 min Scan# 642
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

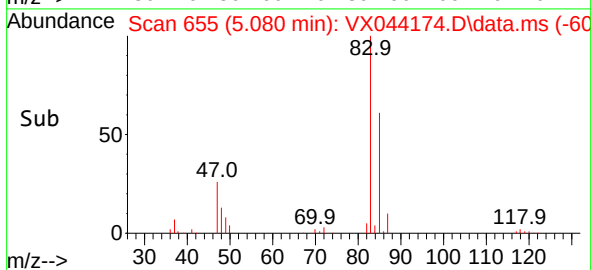
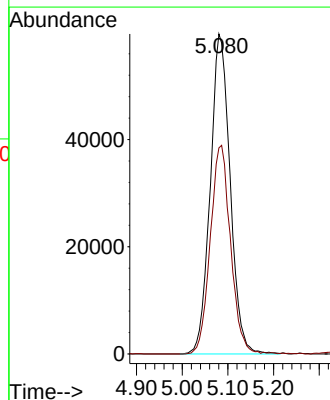
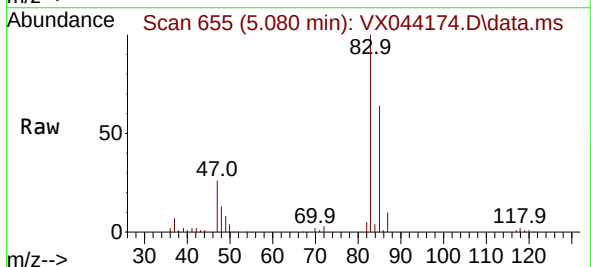
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

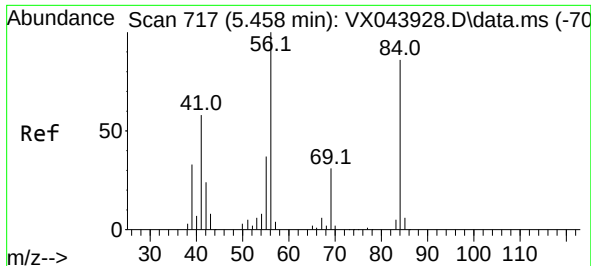
Tgt Ion:	42	Resp:	213725
Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.4	54.6
71	42.6	33.4	50.0



#30
Chloroform
Concen: 55.994 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:	83	Resp:	180181
Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.5	80.3

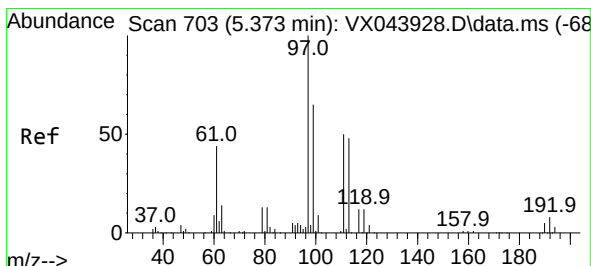
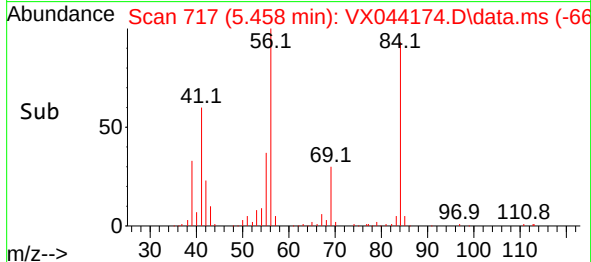
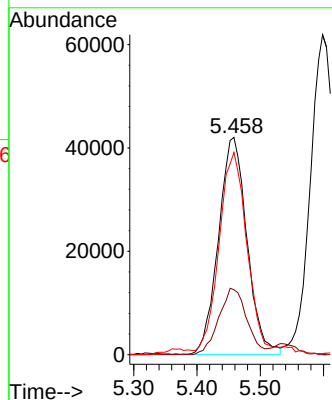
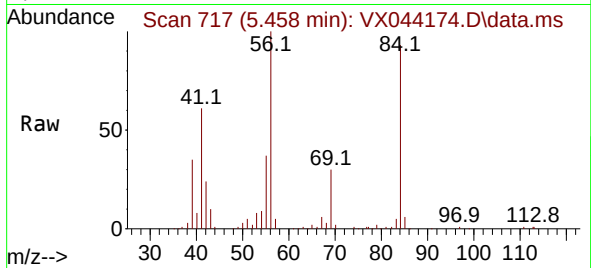




#31
Cyclohexane
Concen: 53.150 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

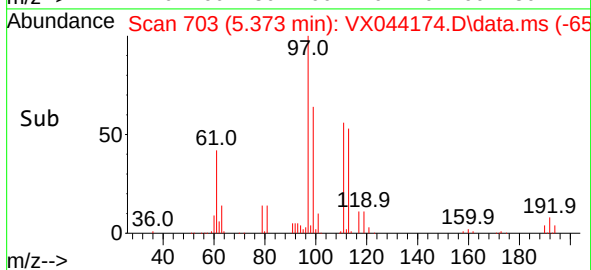
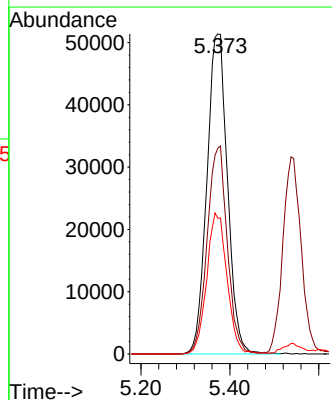
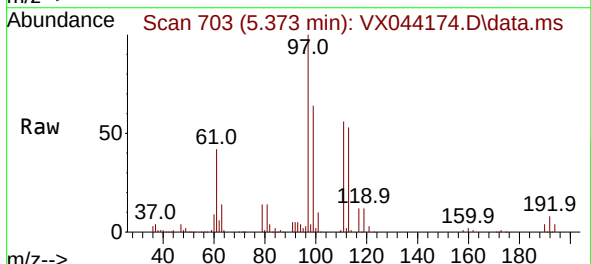
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

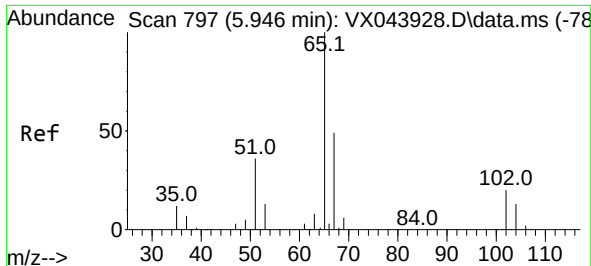
Tgt Ion: 56 Resp: 130877
Ion Ratio Lower Upper
56 100
69 30.0 24.7 37.1
84 90.6 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 59.637 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 97 Resp: 165489
Ion Ratio Lower Upper
97 100
99 63.7 50.8 76.2
61 43.4 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 50.931 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

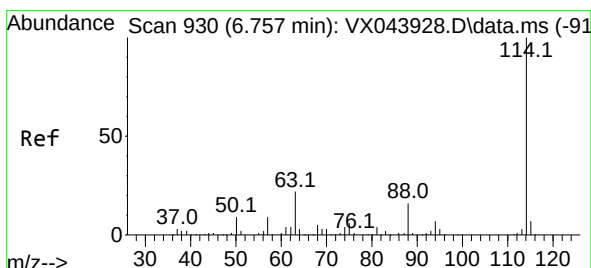
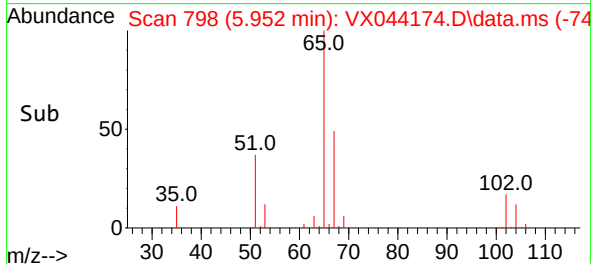
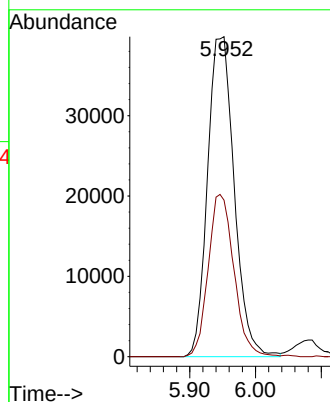
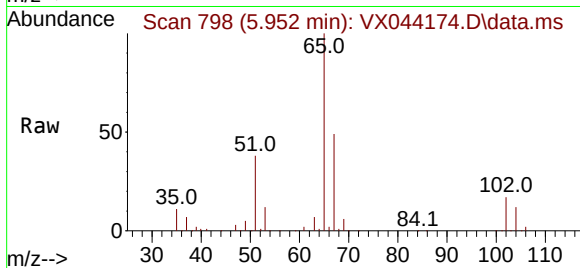
VSTDCCC050

Tgt Ion: 65 Resp: 112526

Ion Ratio Lower Upper

65 100

67 48.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

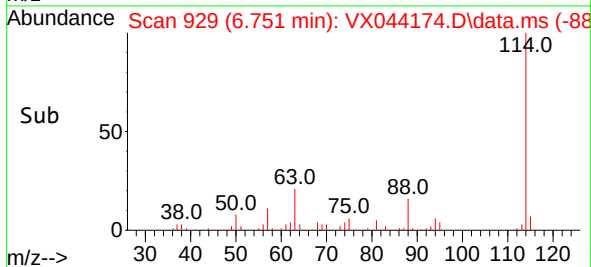
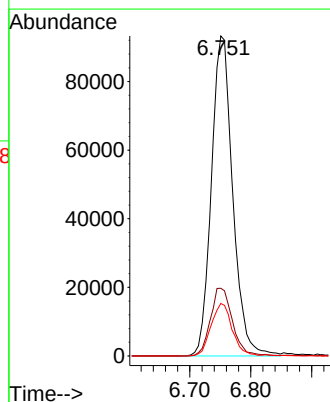
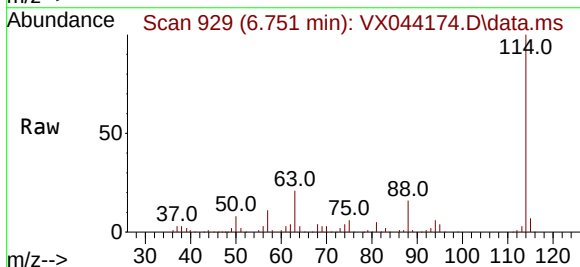
Tgt Ion: 114 Resp: 227273

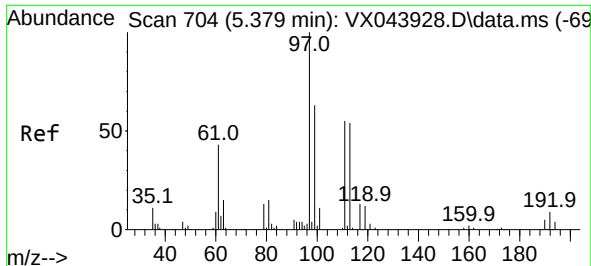
Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

88 16.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.481 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

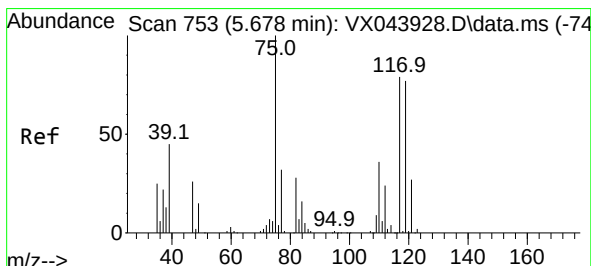
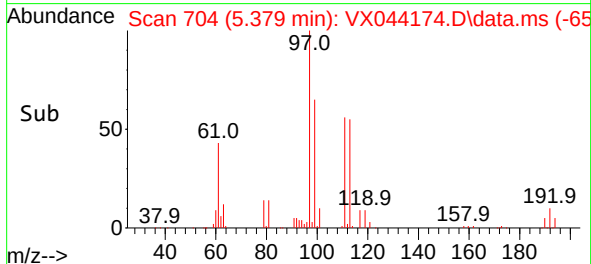
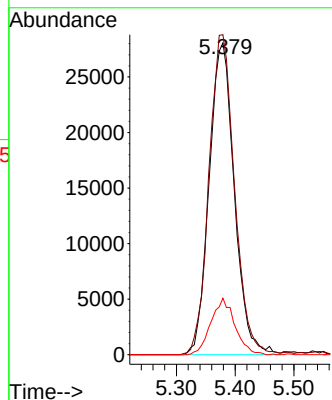
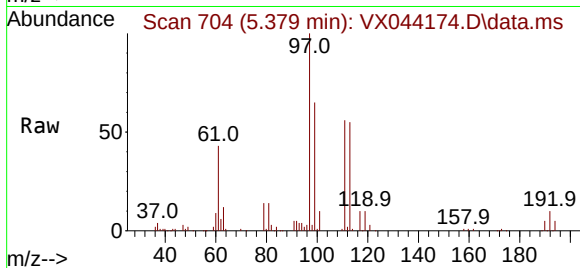
Tgt Ion:113 Resp: 83604

Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.4

192 17.2 13.0 19.6



#36

1,1-Dichloropropene

Concen: 56.258 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

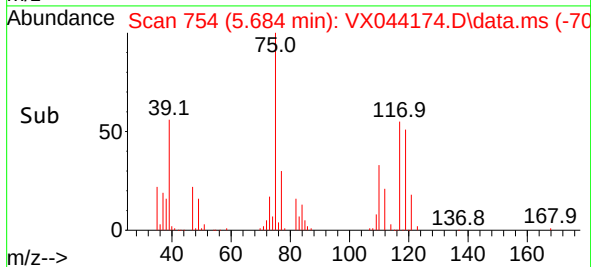
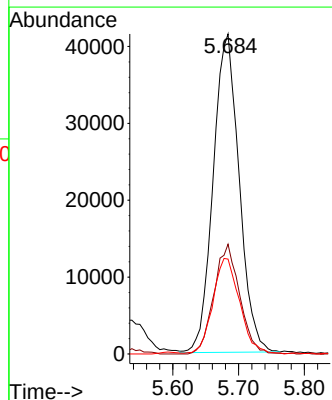
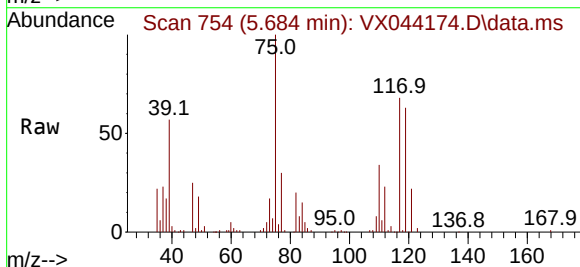
Tgt Ion: 75 Resp: 113848

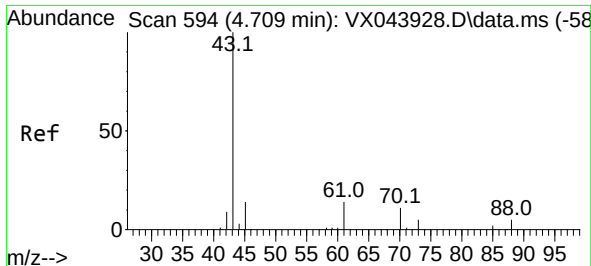
Ion Ratio Lower Upper

75 100

110 34.1 17.4 52.2

77 31.1 25.8 38.8





#37

Ethyl Acetate

Concen: 56.170 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

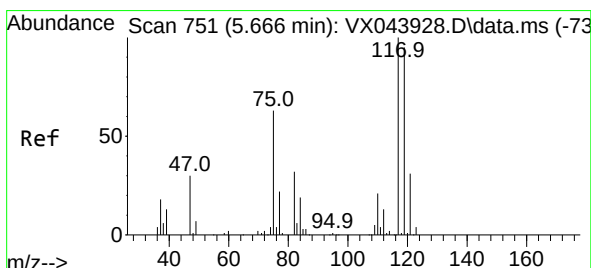
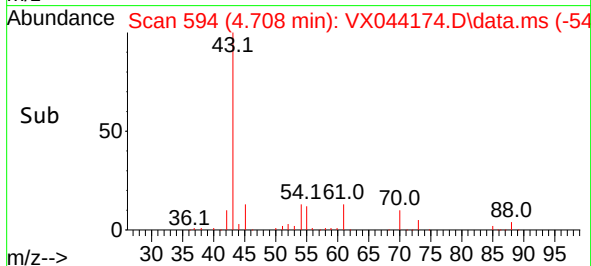
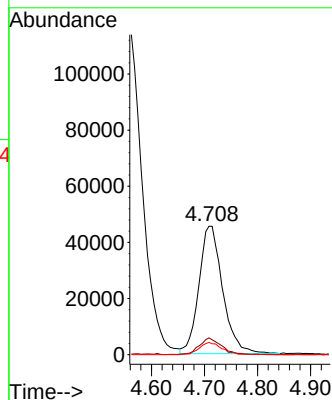
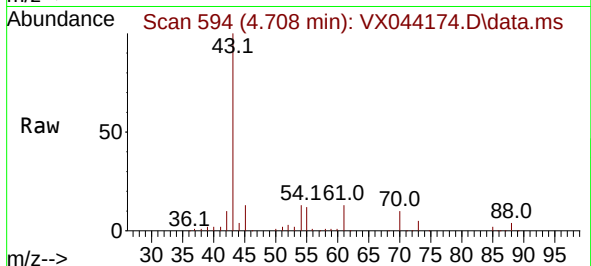
Tgt Ion: 43 Resp: 141102

Ion Ratio Lower Upper

43 100

61 11.9 10.7 16.1

70 9.0 8.0 12.0



#38

Carbon Tetrachloride

Concen: 59.182 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

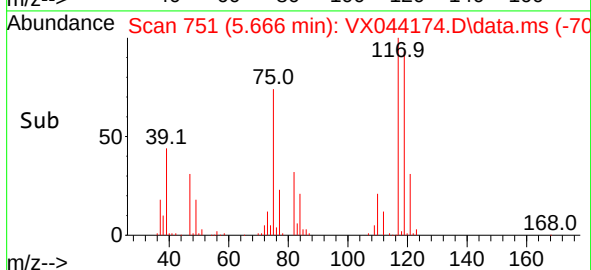
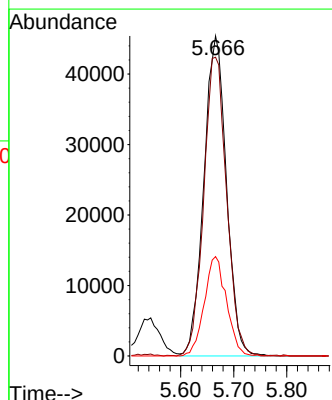
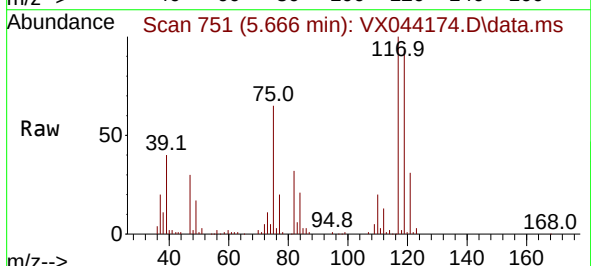
Tgt Ion: 117 Resp: 134573

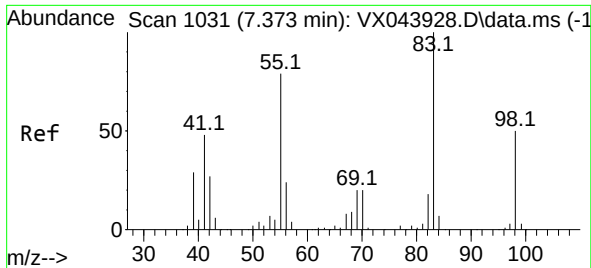
Ion Ratio Lower Upper

117 100

119 93.4 75.2 112.8

121 31.1 24.5 36.7

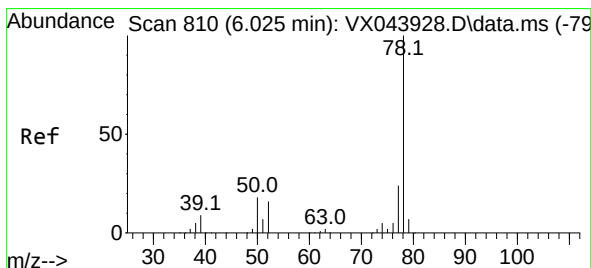
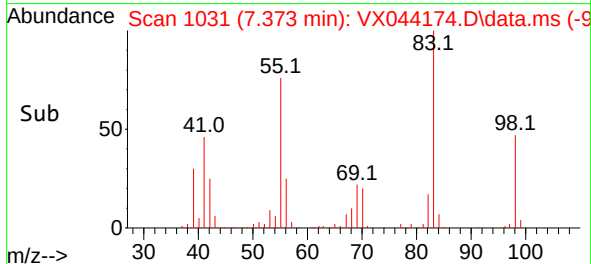
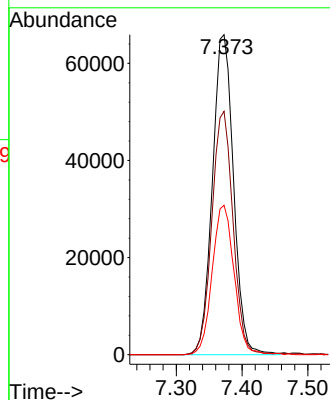
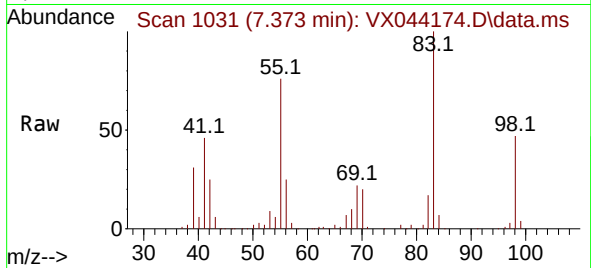




#39
Methylcyclohexane
Concen: 56.127 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

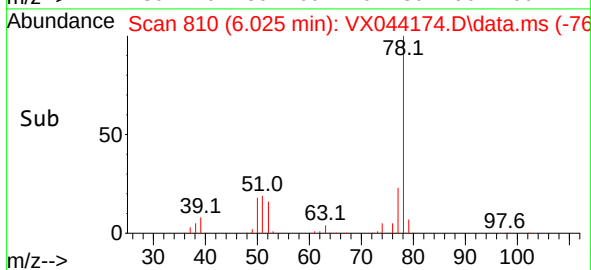
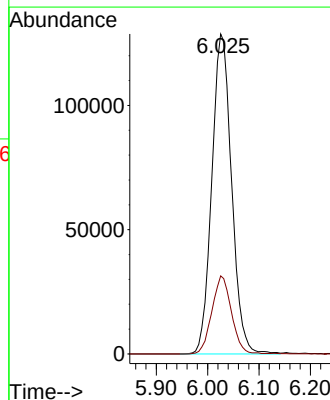
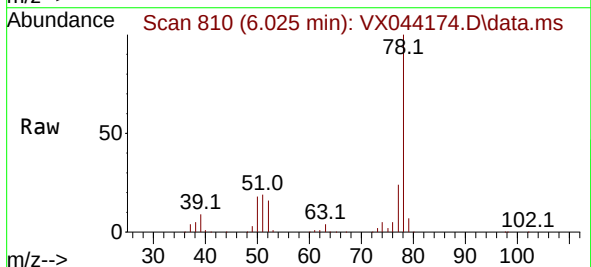
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

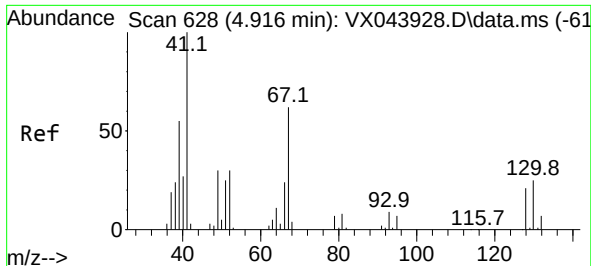
Tgt Ion: 83 Resp: 147558
Ion Ratio Lower Upper
83 100
55 76.1 63.1 94.7
98 46.7 40.0 60.0



#40
Benzene
Concen: 54.597 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 78 Resp: 344158
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8

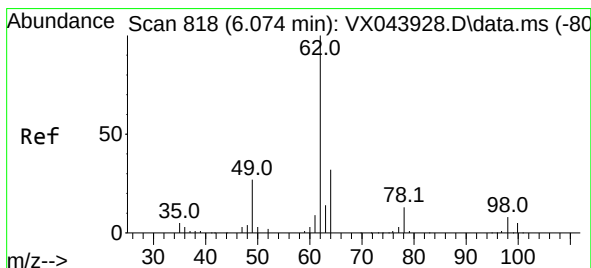
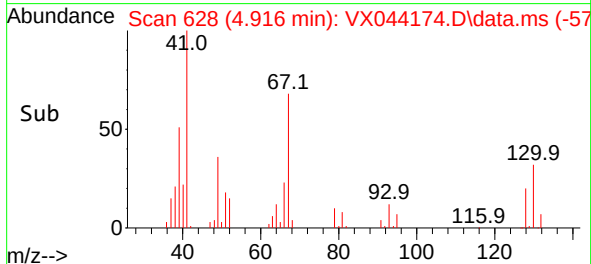
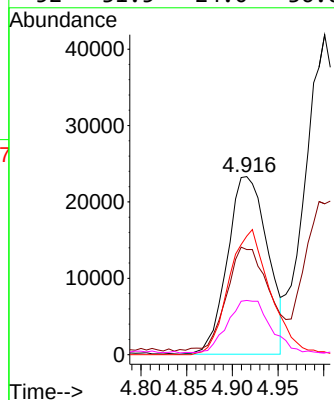
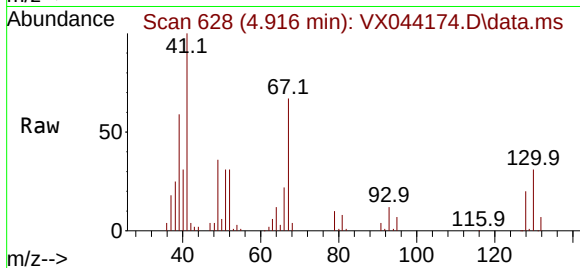




#41
Methacrylonitrile
Concen: 55.276 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

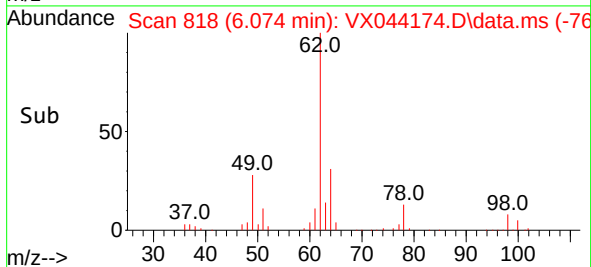
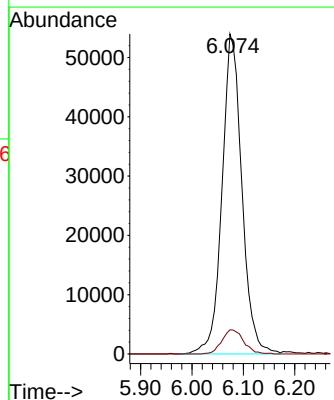
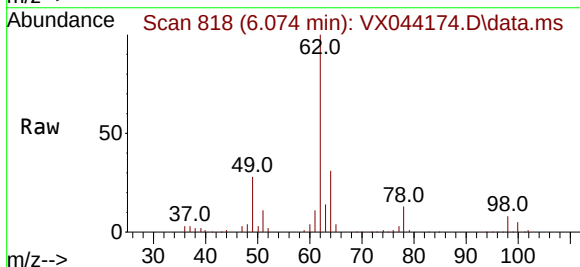
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

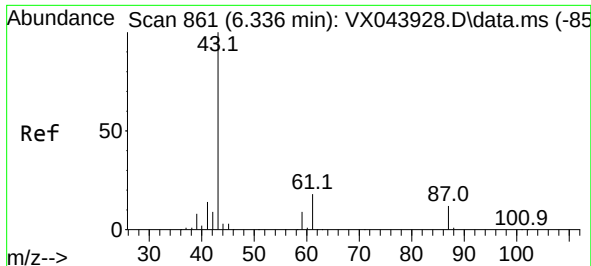
Tgt Ion:	41	Resp:	71068
Ion	Ratio	Lower	Upper
41	100		
39	62.1	41.7	62.5
67	72.7	55.8	83.8
52	31.5	24.0	36.0



#42
1,2-Dichloroethane
Concen: 57.138 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:	62	Resp:	144654
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4

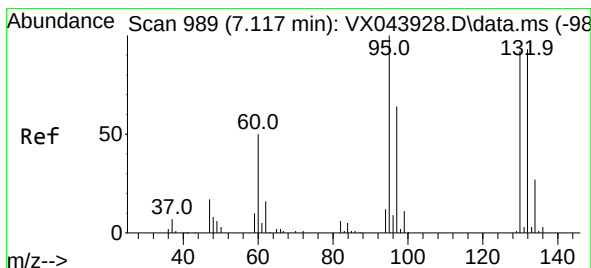
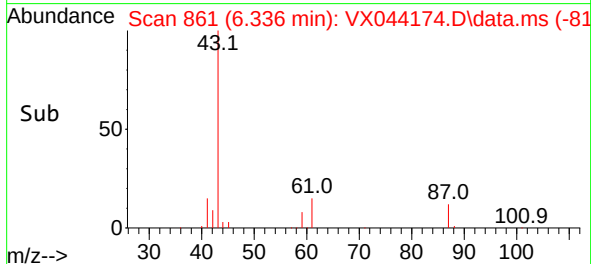
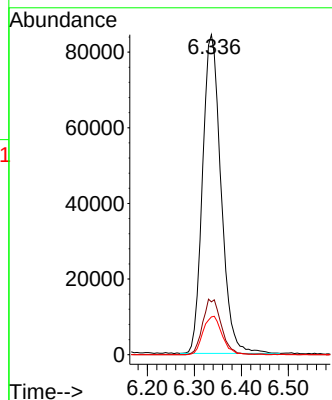
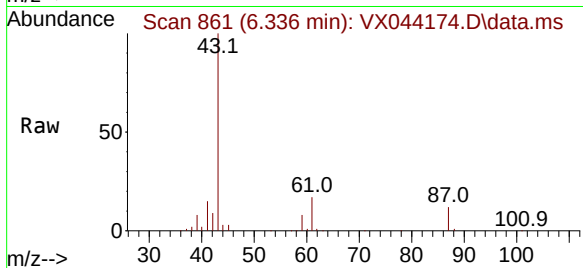




#43
Isopropyl Acetate
Concen: 57.468 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

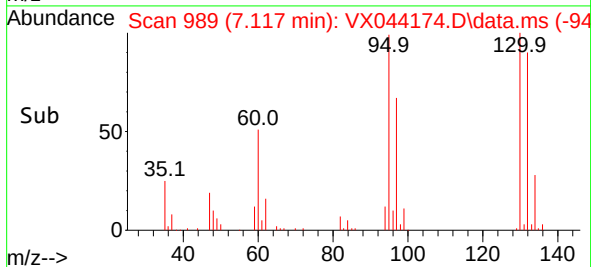
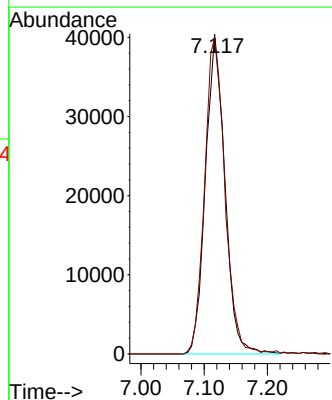
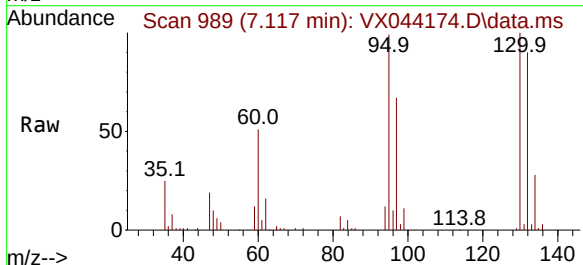
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

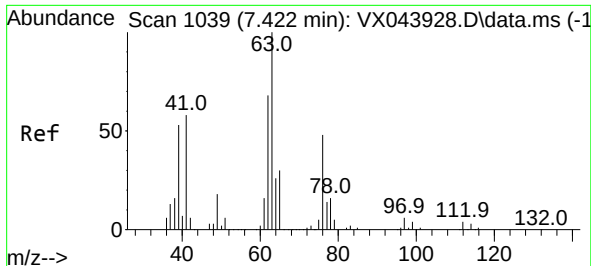
Tgt Ion: 43 Resp: 229745
Ion Ratio Lower Upper
43 100
61 17.6 14.5 21.7
87 12.4 10.2 15.2



#44
Trichloroethene
Concen: 48.503 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 130 Resp: 86553
Ion Ratio Lower Upper
130 100
95 99.0 0.0 217.8





#45

1,2-Dichloropropane

Concen: 57.290 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

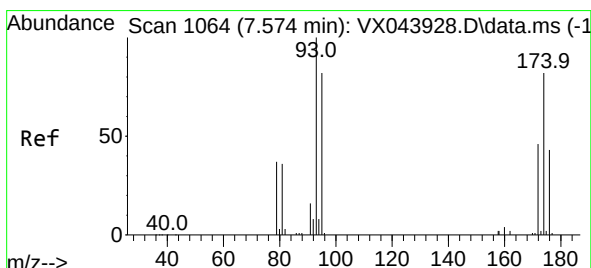
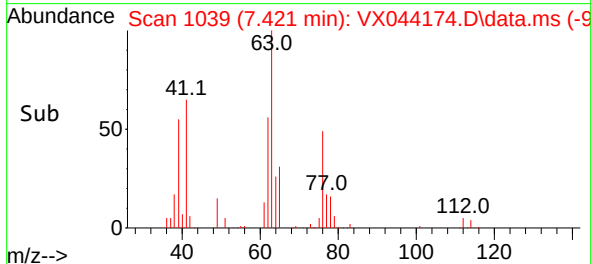
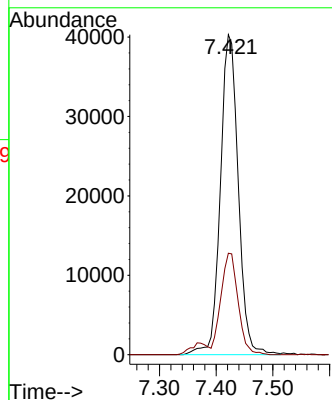
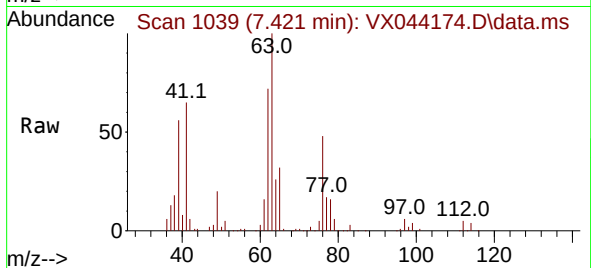
VSTDCCC050

Tgt Ion: 63 Resp: 88451

Ion Ratio Lower Upper

63 100

65 31.7 23.8 35.6



#46

Dibromomethane

Concen: 57.782 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

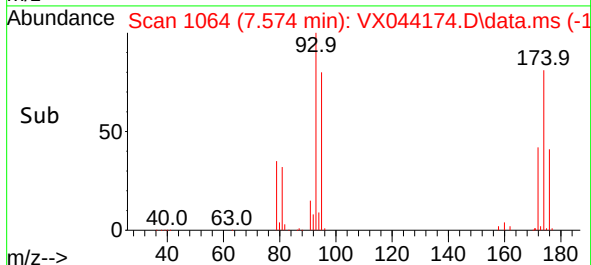
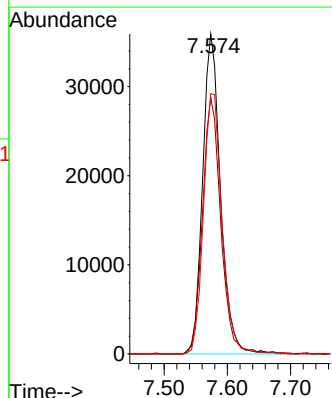
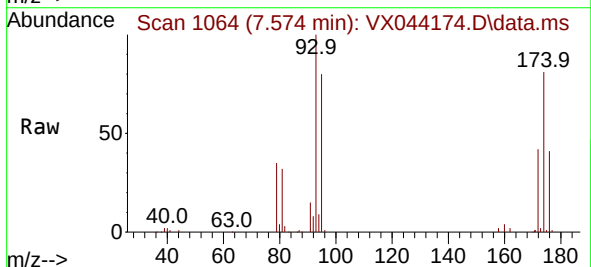
Tgt Ion: 93 Resp: 70569

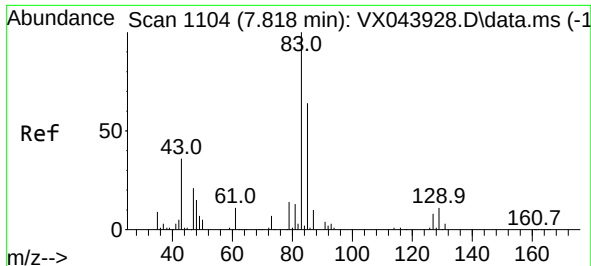
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 84.8 69.6 104.4

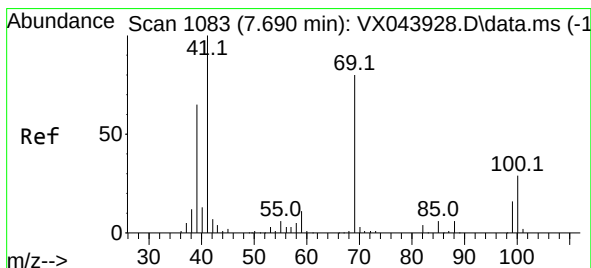
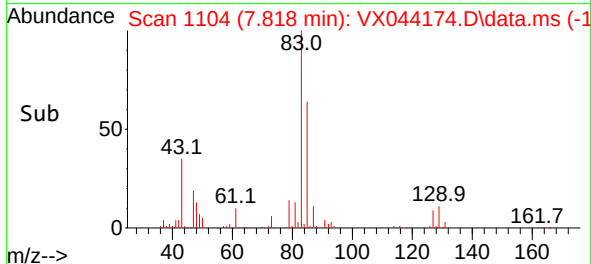
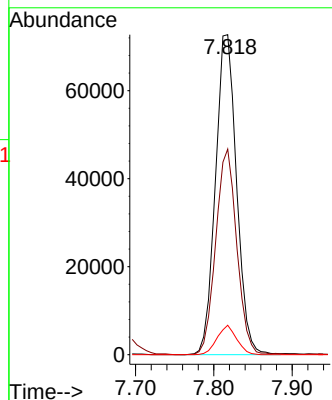
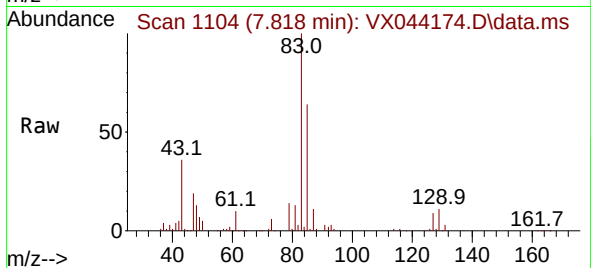




#47
Bromodichloromethane
Concen: 62.329 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

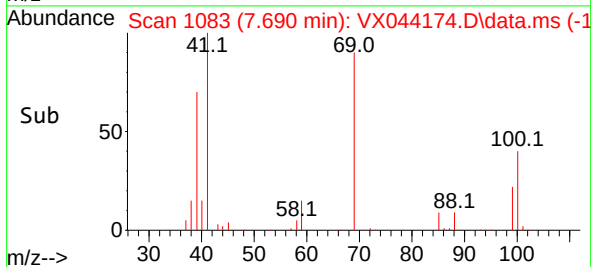
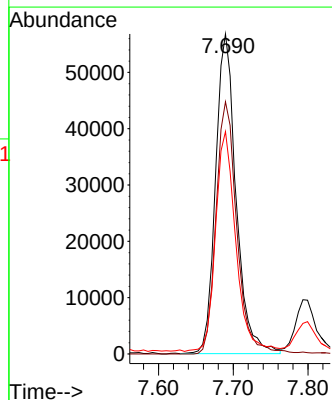
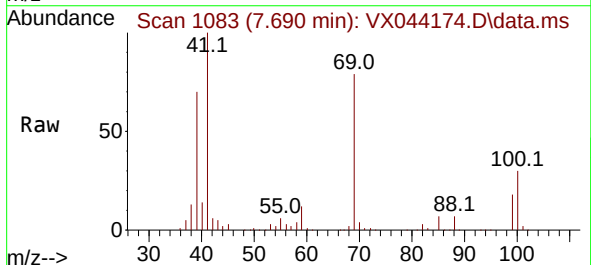
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

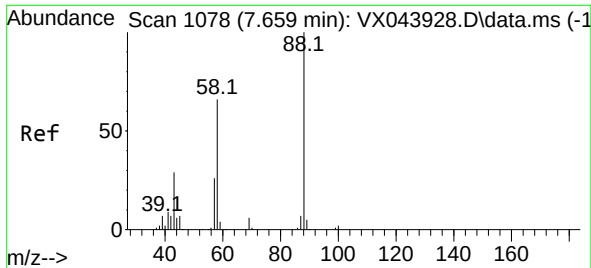
Tgt Ion: 83 Resp: 136522
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.0
127 9.2 6.6 10.0



#48
Methyl methacrylate
Concen: 56.476 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 41 Resp: 108338
Ion Ratio Lower Upper
41 100
69 80.2 64.6 97.0
39 67.7 53.3 79.9

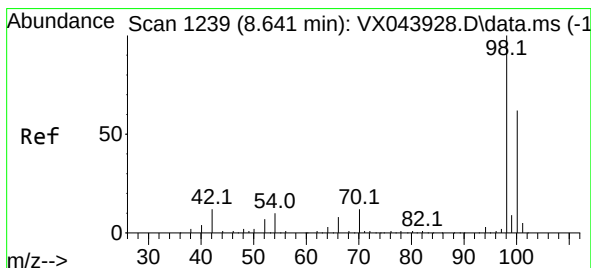
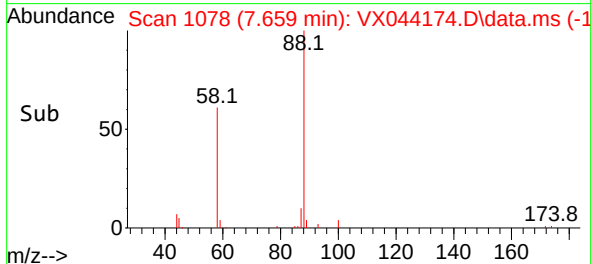
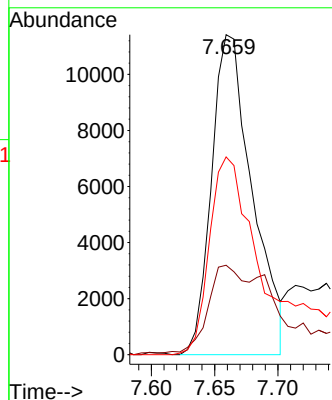
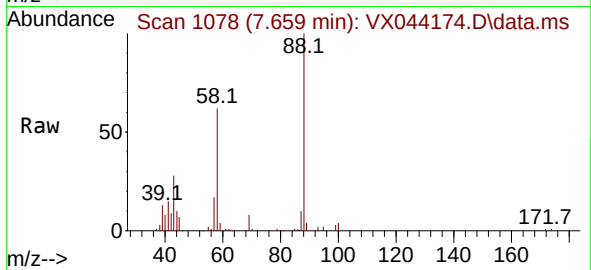




#49
1,4-Dioxane
Concen: 748.393 ug/l
RT: 7.659 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

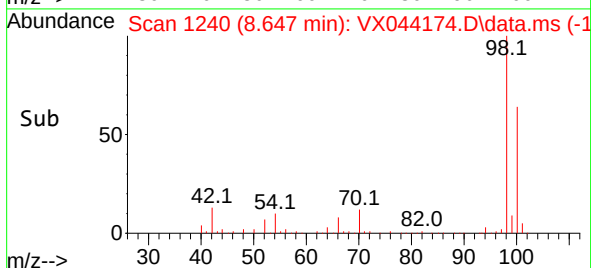
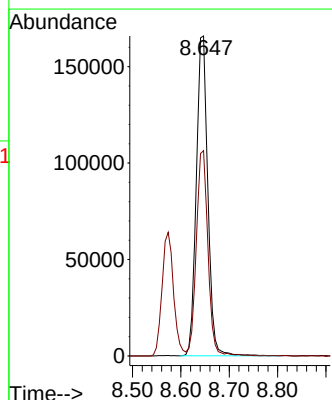
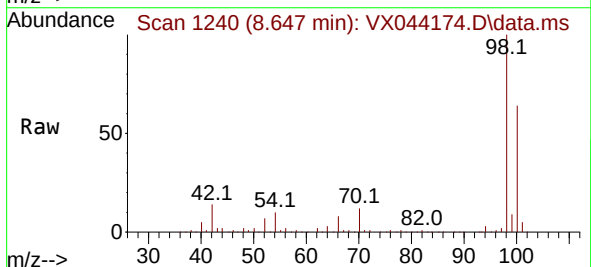
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

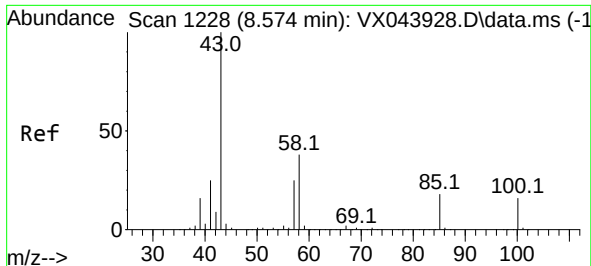
Tgt Ion: 88 Resp: 25573
Ion Ratio Lower Upper
88 100
43 26.9 26.8 40.2
58 81.6 45.4 68.2#



#50
Toluene-d8
Concen: 48.907 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 98 Resp: 273781
Ion Ratio Lower Upper
98 100
100 64.7 52.6 79.0

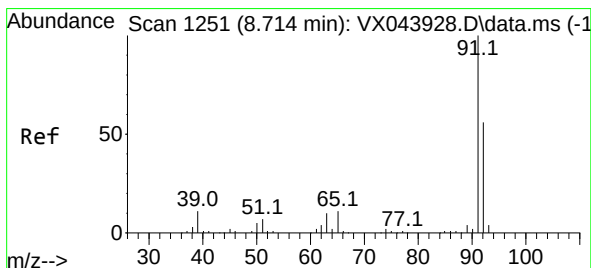
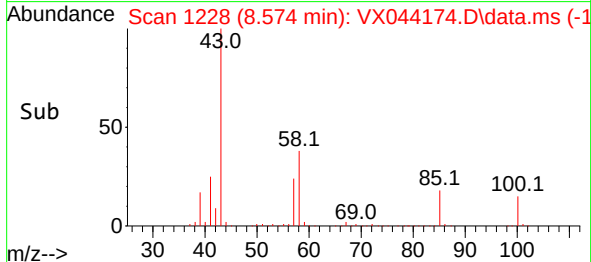
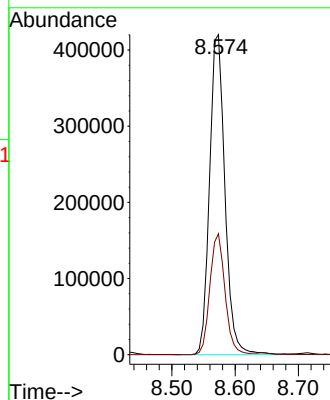
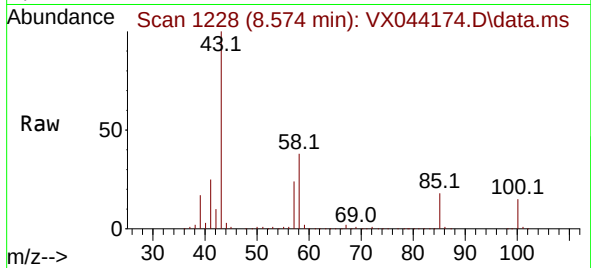




#51
4-Methyl-2-Pentanone
Concen: 291.699 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

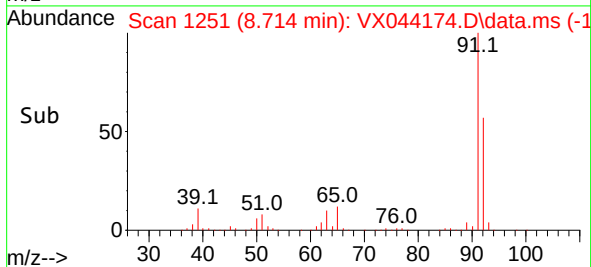
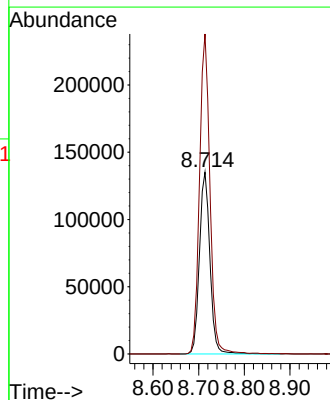
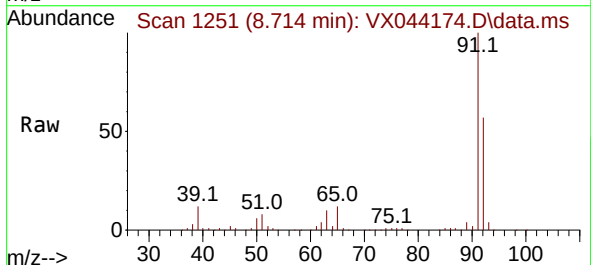
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

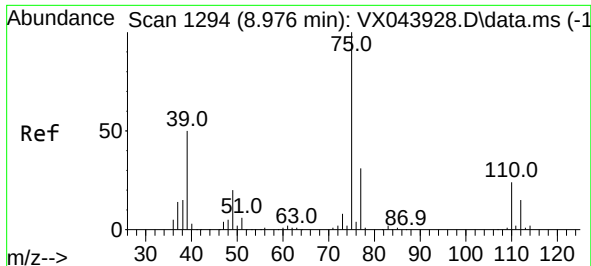
Tgt Ion: 43 Resp: 711641
Ion Ratio Lower Upper
43 100
58 37.1 30.0 45.0



#52
Toluene
Concen: 57.015 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 92 Resp: 215112
Ion Ratio Lower Upper
92 100
91 174.8 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 60.514 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

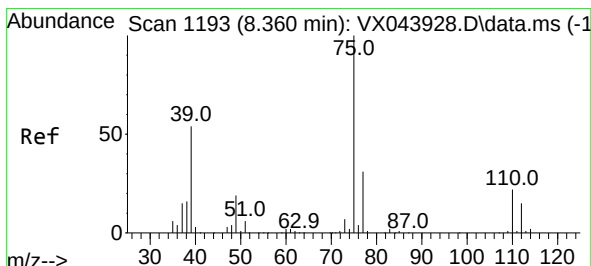
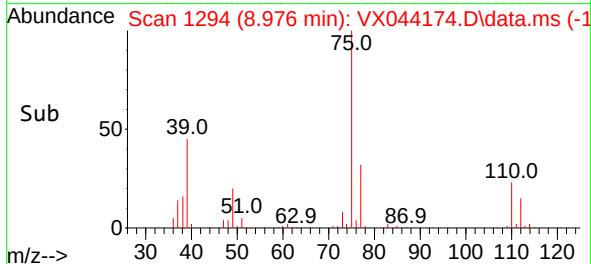
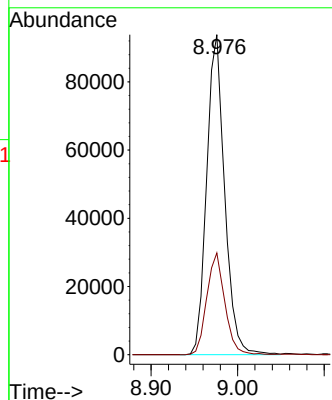
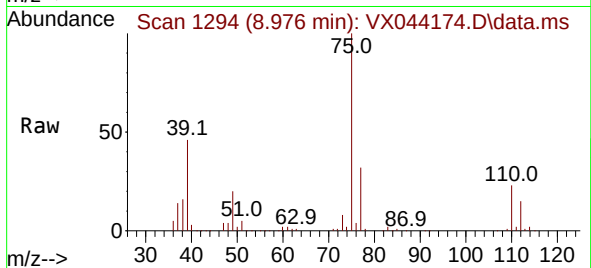
VSTDCCC050

Tgt Ion: 75 Resp: 135167

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 59.699 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

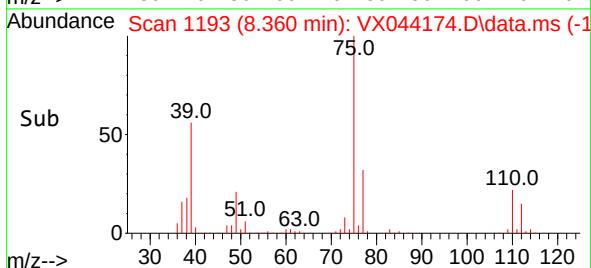
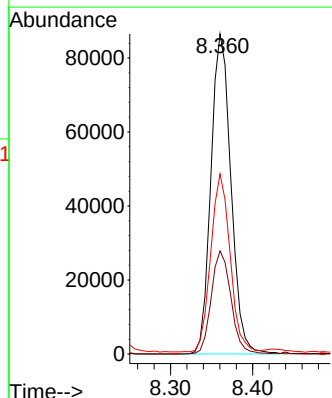
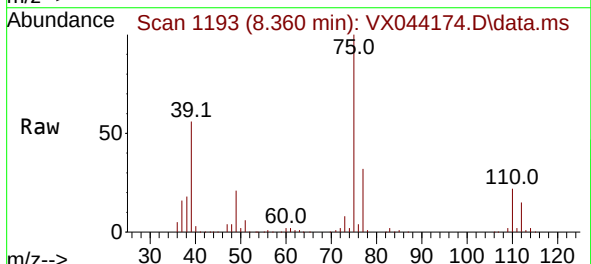
Tgt Ion: 75 Resp: 146180

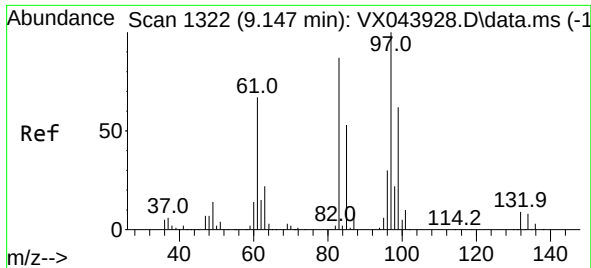
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 55.6 43.1 64.7

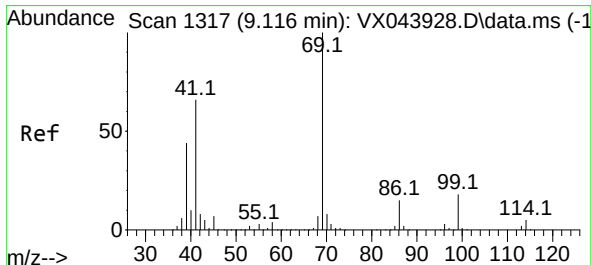
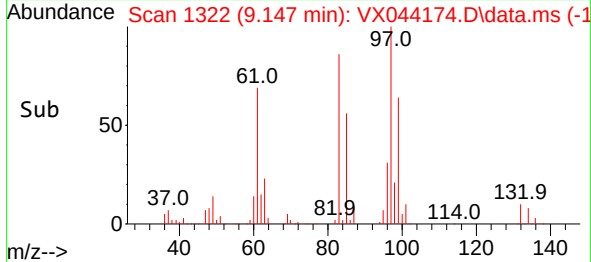
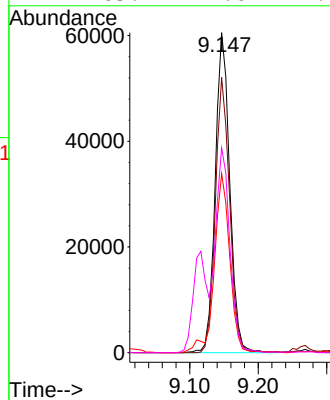
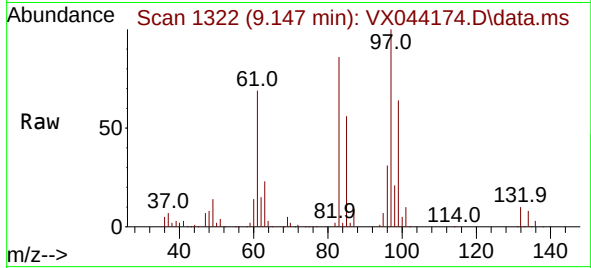




#55
1,1,2-Trichloroethane
Concen: 57.058 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

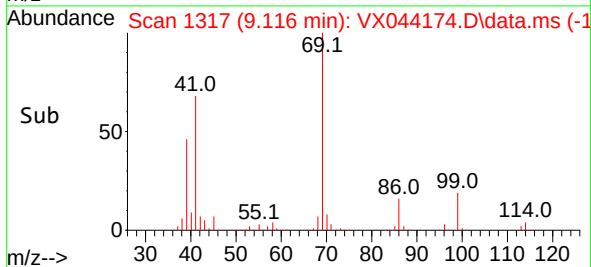
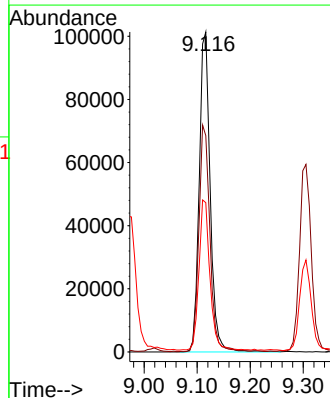
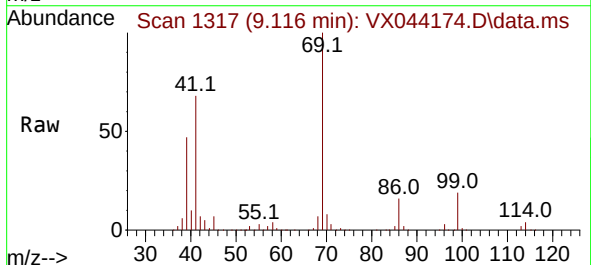
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

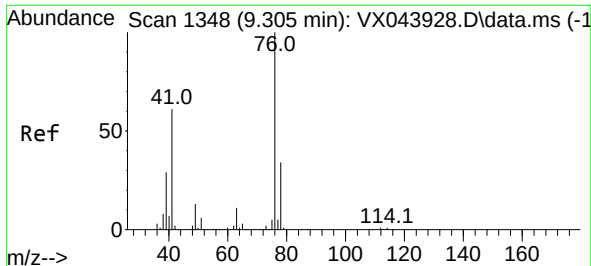
Tgt Ion:	97	Resp:	88864
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.4	104.0
85	55.9	42.3	63.5
99	63.9	49.6	74.4



#56
Ethyl methacrylate
Concen: 60.237 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:	69	Resp:	146127
Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.8	83.8
39	47.0	36.7	55.1

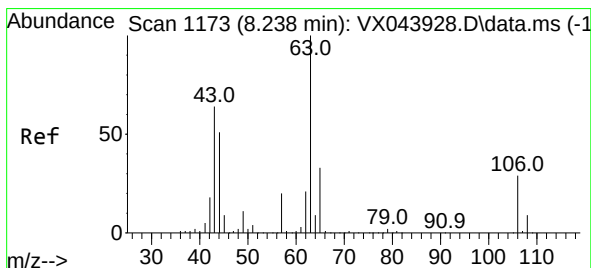
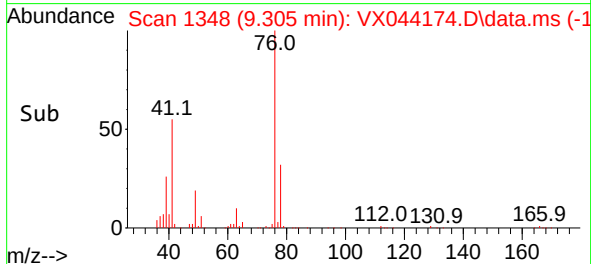
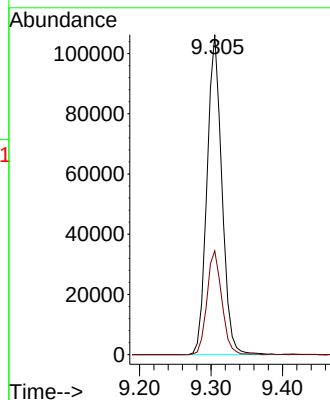
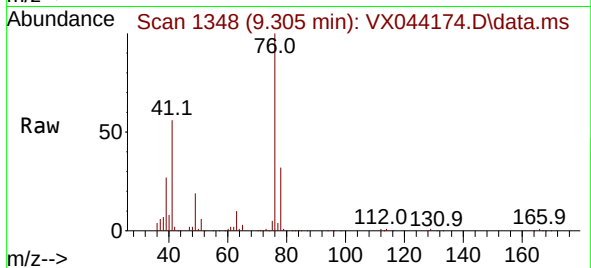




#57
1,3-Dichloropropane
Concen: 58.519 ug/l
RT: 9.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

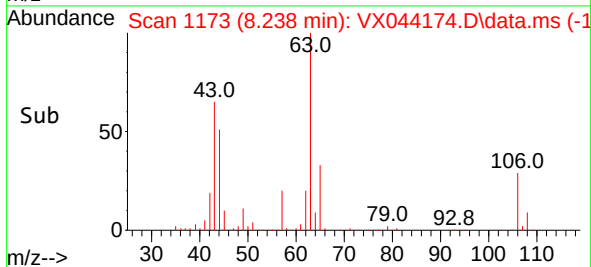
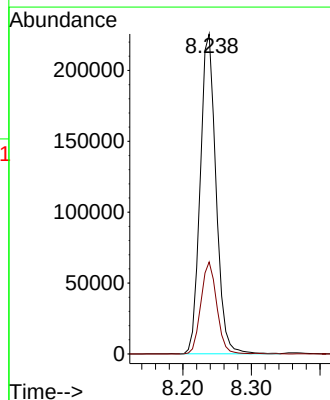
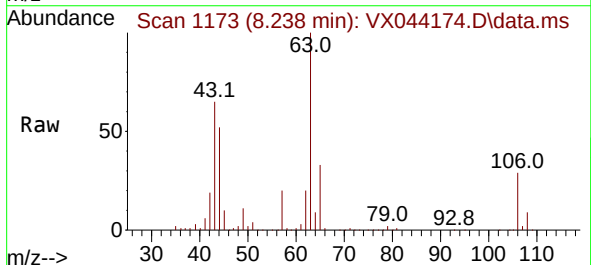
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

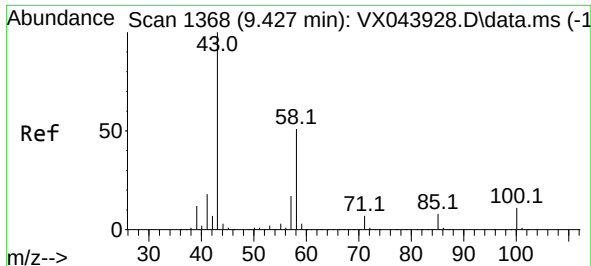
Tgt Ion: 76 Resp: 153530
Ion Ratio Lower Upper
76 100
78 32.4 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 272.768 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 63 Resp: 362299
Ion Ratio Lower Upper
63 100
106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 296.330 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

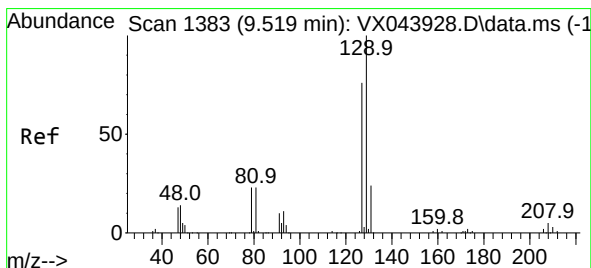
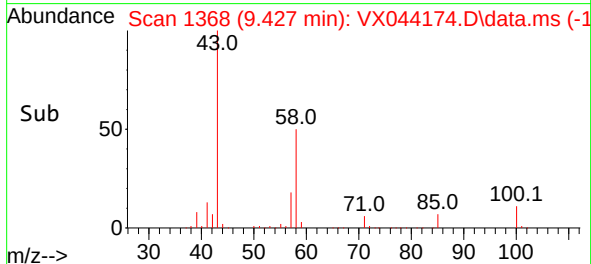
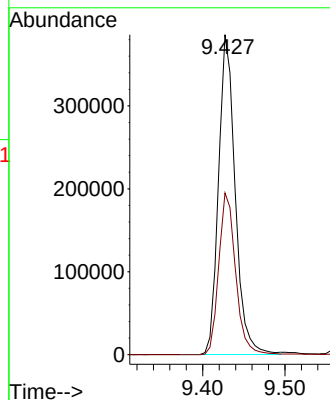
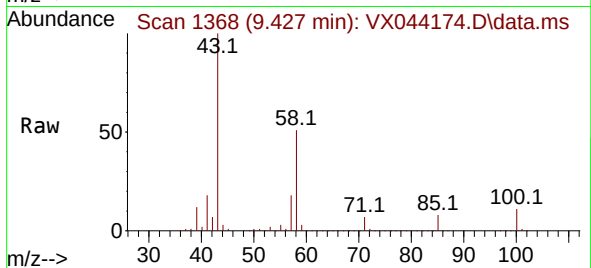
VSTDCCC050

Tgt Ion: 43 Resp: 543380

Ion Ratio Lower Upper

43 100

58 51.2 25.9 77.6



#60

Dibromochloromethane

Concen: 63.187 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044174.D

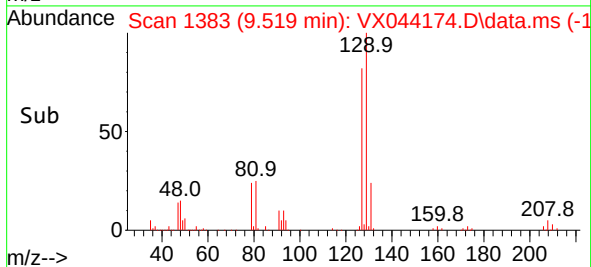
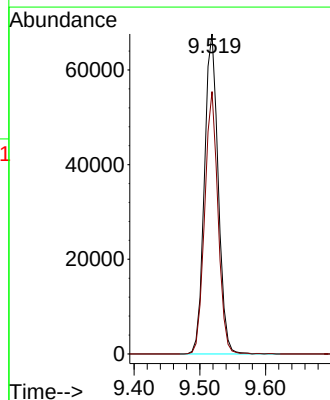
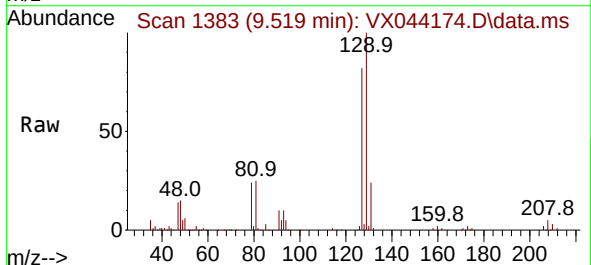
Acq: 09 Dec 2024 09:42

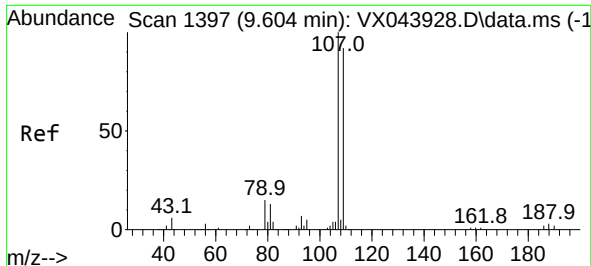
Tgt Ion: 129 Resp: 98737

Ion Ratio Lower Upper

129 100

127 79.1 38.2 114.6

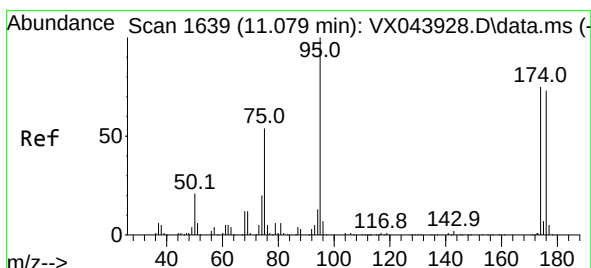
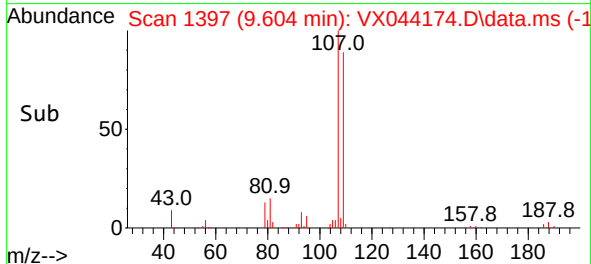
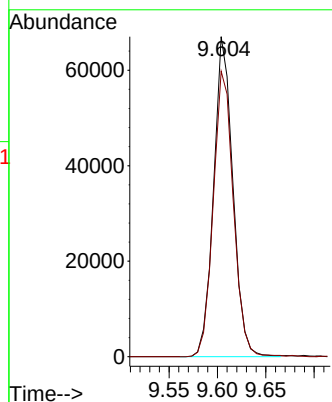
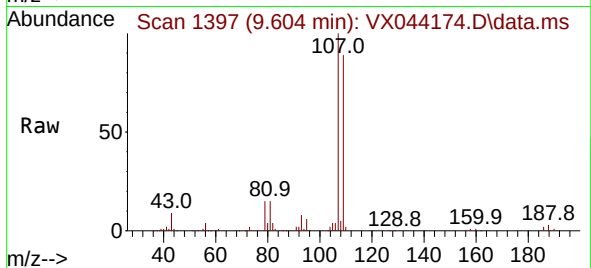




#61
1,2-Dibromoethane
Concen: 58.852 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

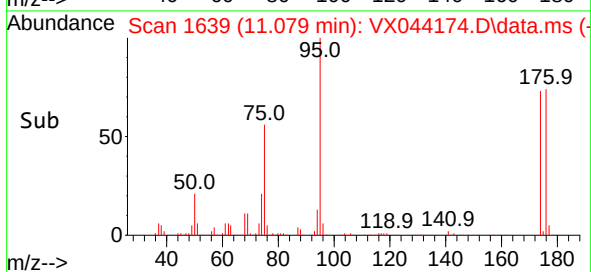
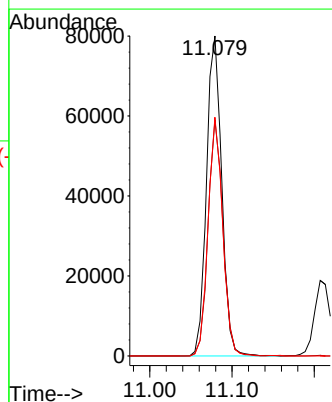
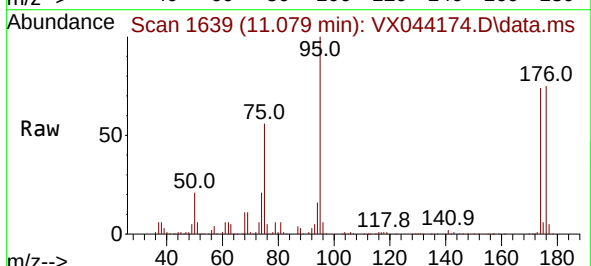
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

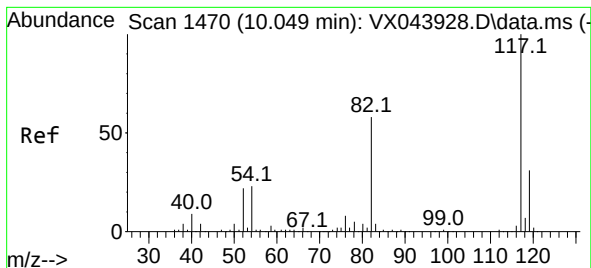
Tgt Ion:107 Resp: 92681
Ion Ratio Lower Upper
107 100
109 93.4 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 53.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 95 Resp: 102733
Ion Ratio Lower Upper
95 100
174 72.1 0.0 150.4
176 71.8 0.0 146.0

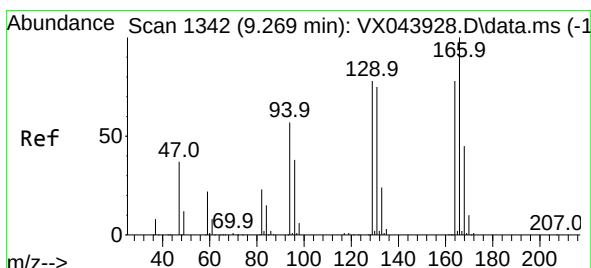
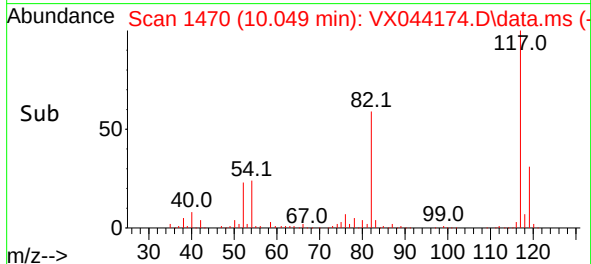
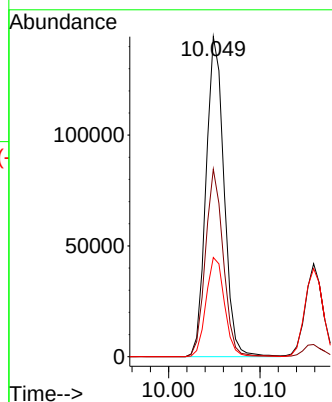
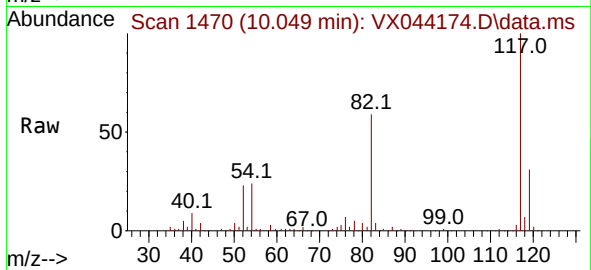




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

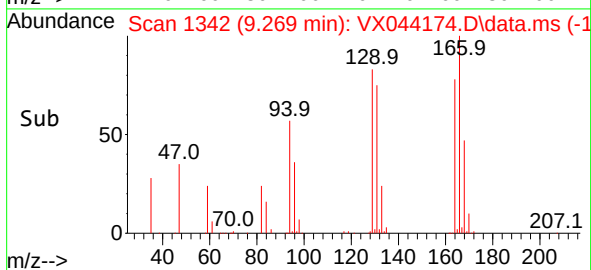
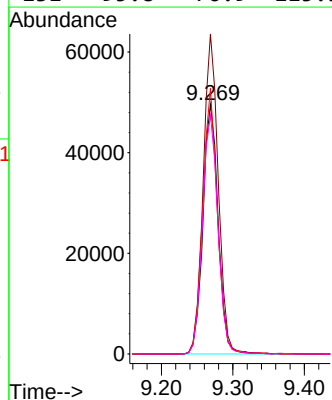
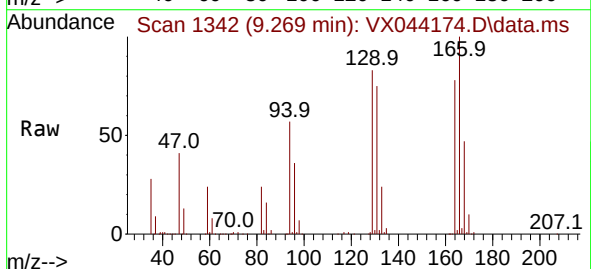
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

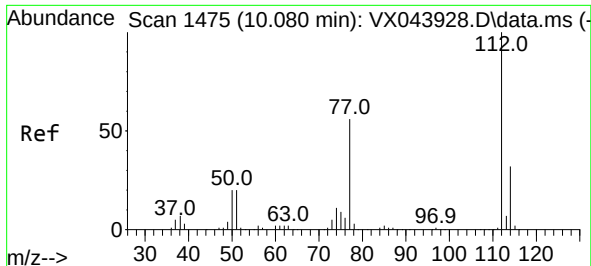
Tgt Ion:117 Resp: 196952
Ion Ratio Lower Upper
117 100
82 58.6 46.4 69.6
119 31.0 24.6 37.0



#64
Tetrachloroethene
Concen: 56.432 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:164 Resp: 73287
Ion Ratio Lower Upper
164 100
166 128.3 102.1 153.1
129 106.5 79.6 119.4
131 95.8 76.9 115.3

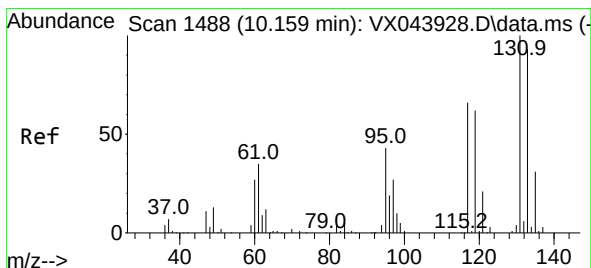
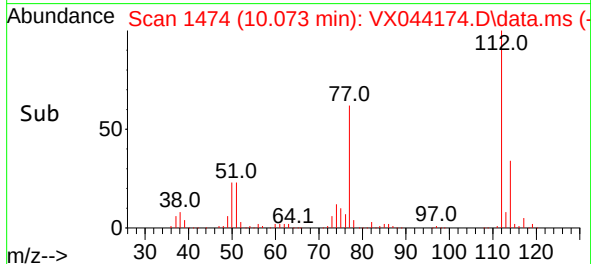
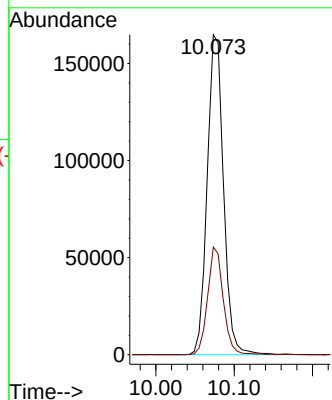
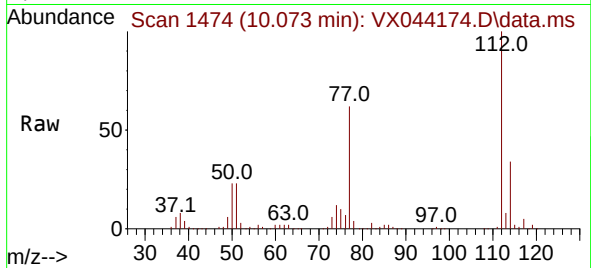




#65
Chlorobenzene
Concen: 54.997 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

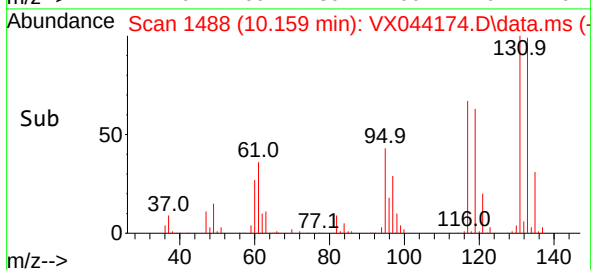
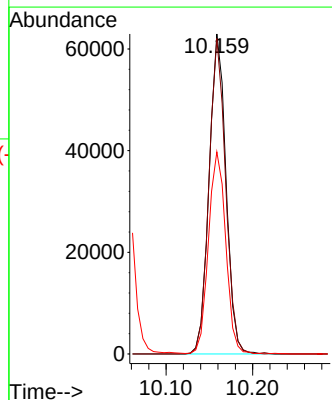
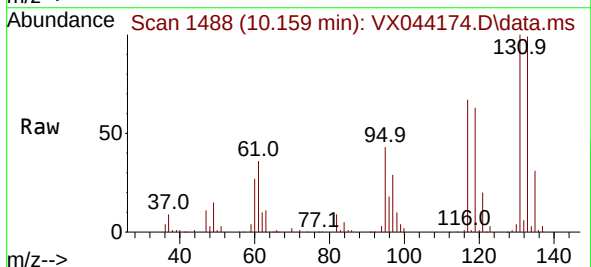
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

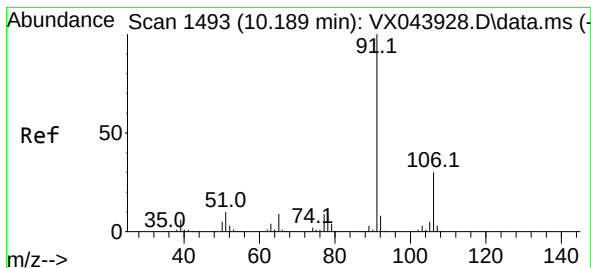
Tgt Ion:112 Resp: 237896
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 60.723 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:131 Resp: 85186
Ion Ratio Lower Upper
131 100
133 97.5 48.2 144.6
119 64.6 31.5 94.5





#67

Ethyl Benzene

Concen: 58.352 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

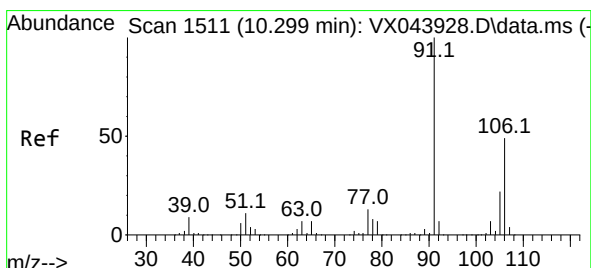
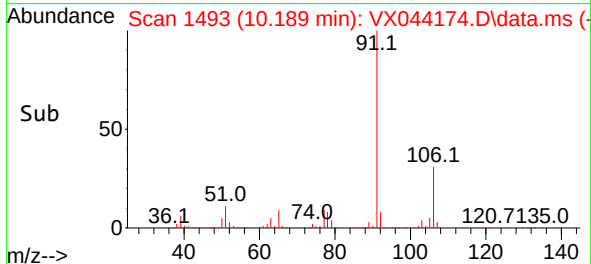
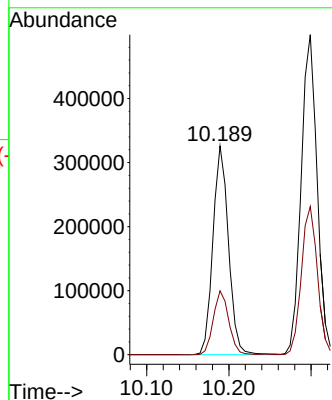
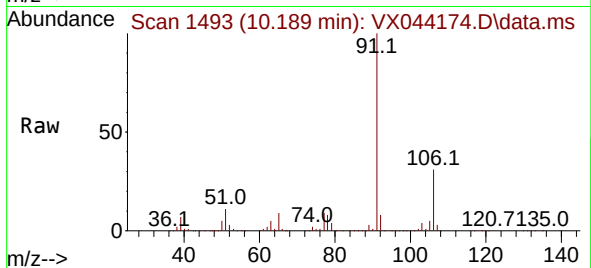
VSTDCCC050

Tgt Ion: 91 Resp: 427705

Ion Ratio Lower Upper

91 100

106 30.6 23.6 35.4



#68

m/p-Xylenes

Concen: 115.254 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044174.D

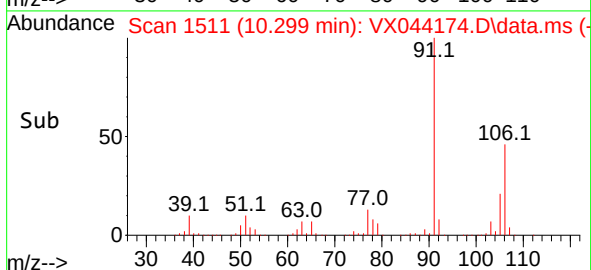
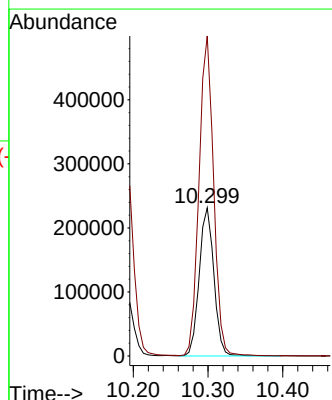
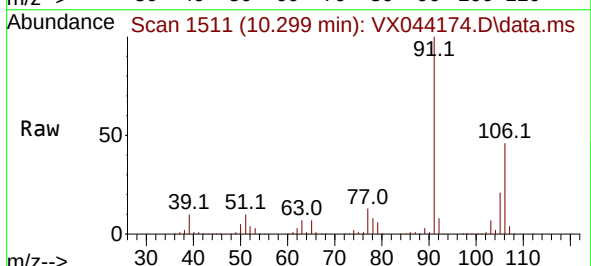
Acq: 09 Dec 2024 09:42

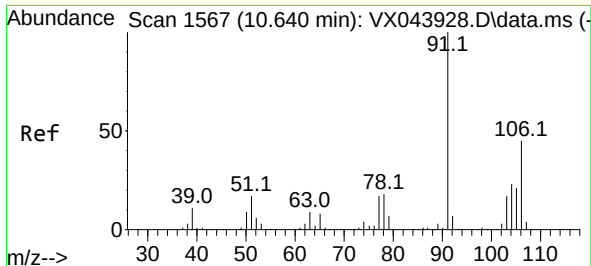
Tgt Ion: 106 Resp: 315039

Ion Ratio Lower Upper

106 100

91 214.5 168.1 252.1

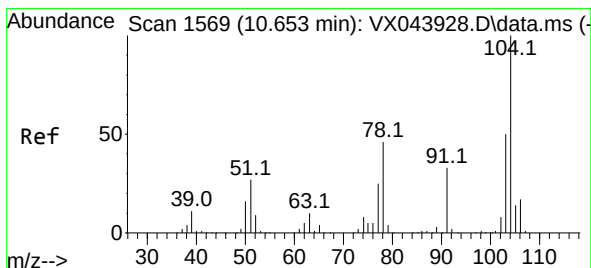
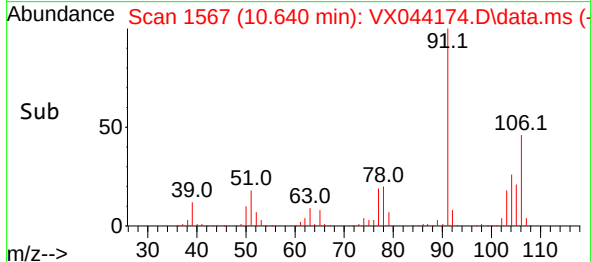
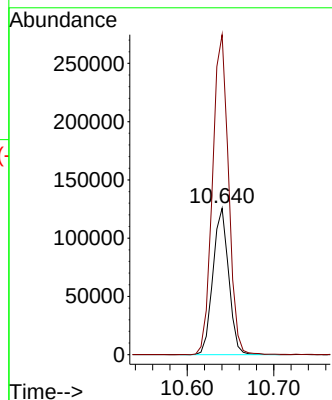
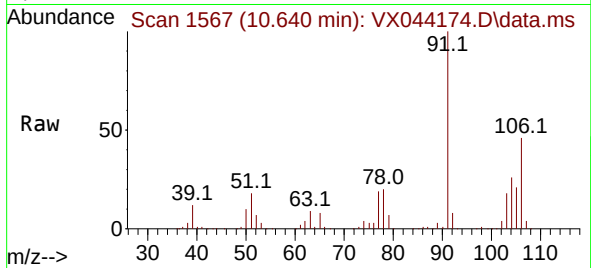




#69
o-Xylene
Concen: 59.412 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

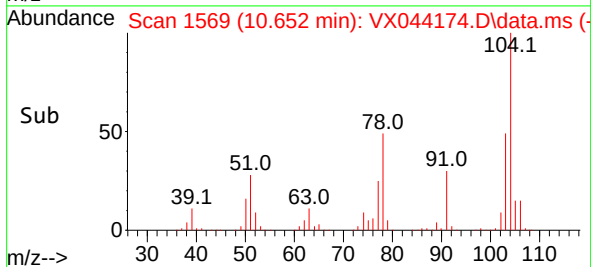
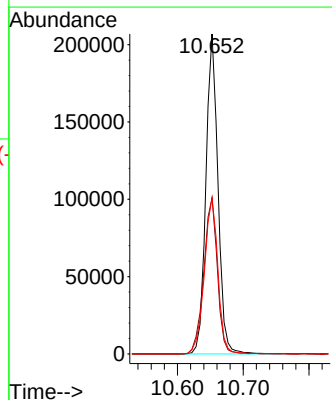
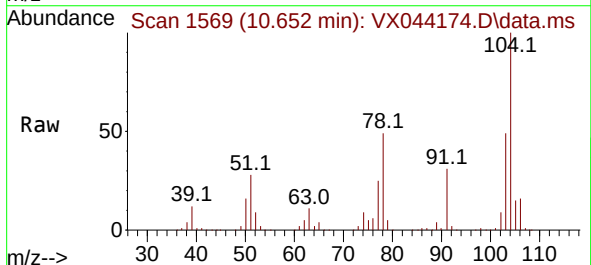
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

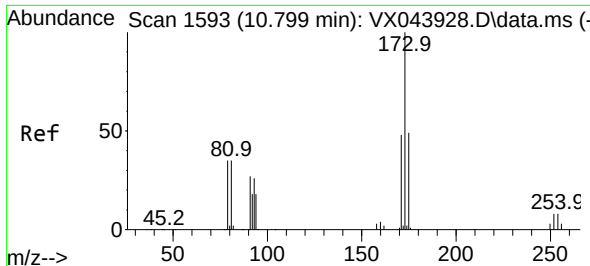
Tgt Ion:106 Resp: 158561
Ion Ratio Lower Upper
106 100
91 223.2 110.2 330.6



#70
Styrene
Concen: 59.859 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:104 Resp: 264223
Ion Ratio Lower Upper
104 100
78 55.3 42.2 63.2
103 55.0 44.7 67.1

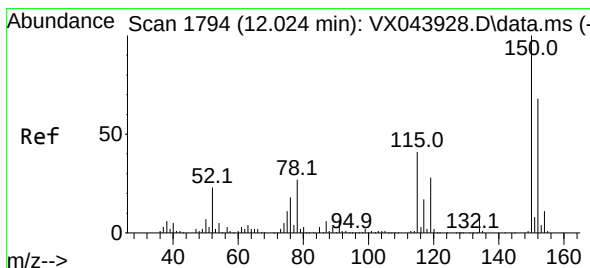
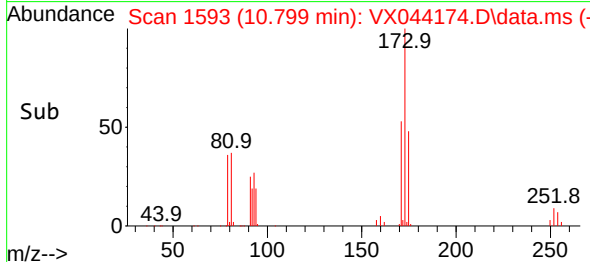
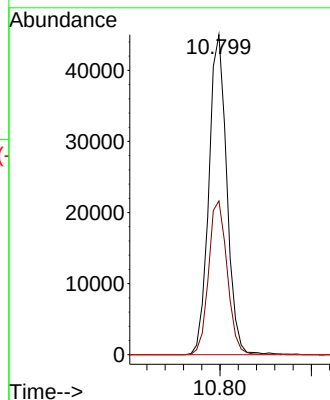
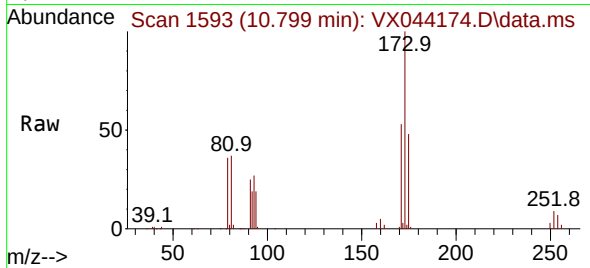




#71
Bromoform
Concen: 56.868 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

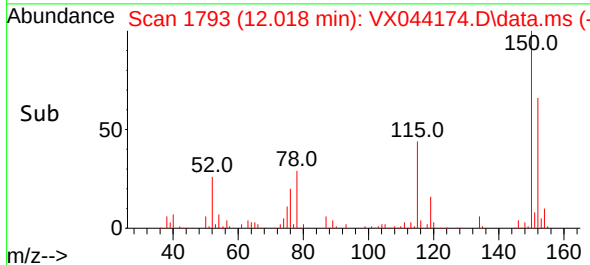
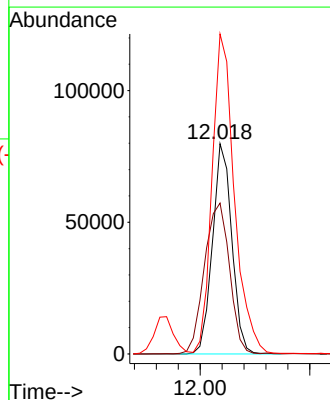
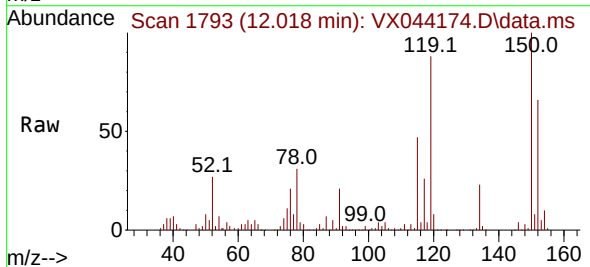
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

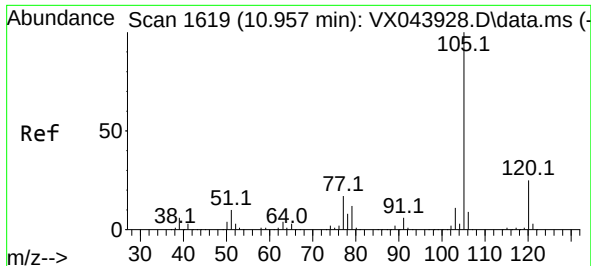
Tgt Ion:173 Resp: 61264
Ion Ratio Lower Upper
173 100
175 49.9 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:152 Resp: 97559
Ion Ratio Lower Upper
152 100
115 93.7 45.4 136.2
150 175.2 0.0 353.0

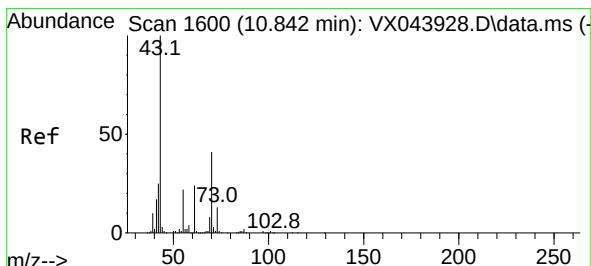
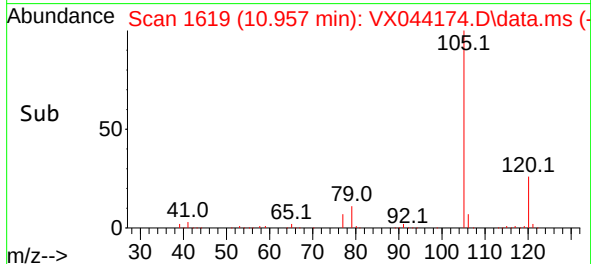
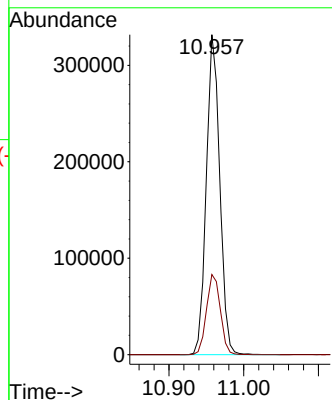
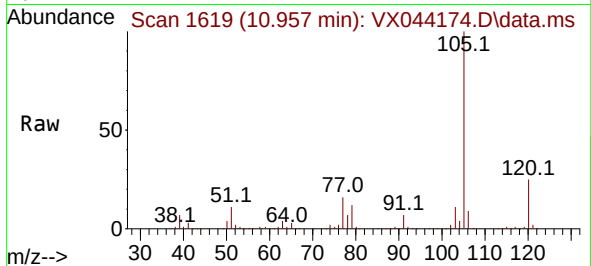




#73
Isopropylbenzene
Concen: 55.131 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

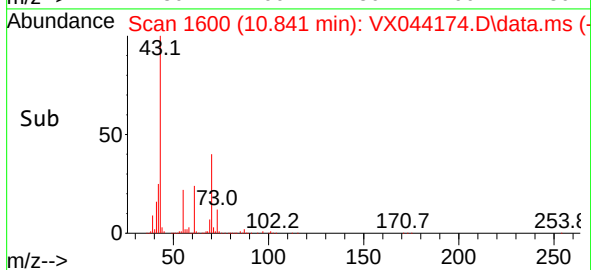
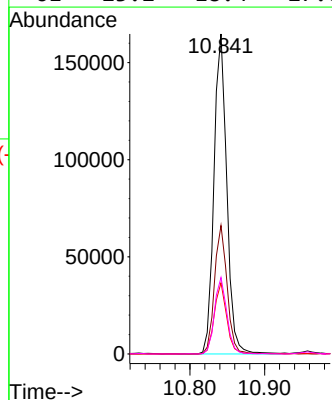
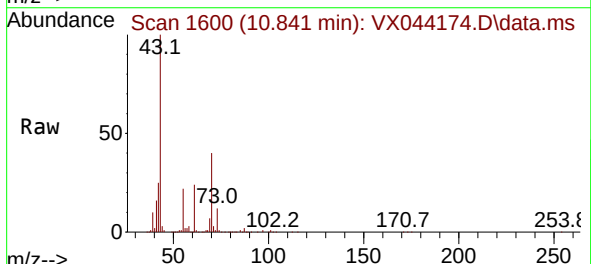
Instrument : MSVOA_X
ClientSampleId : VSTDCCC050

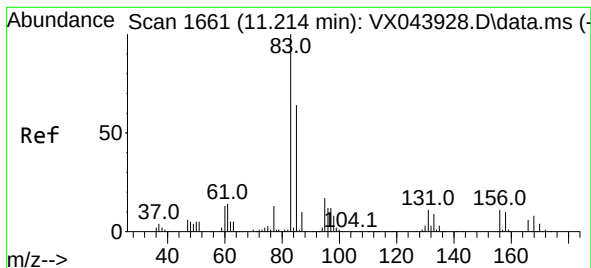
Tgt Ion:105 Resp: 413444
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9



#74
N-ethyl acetate
Concen: 56.557 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 43 Resp: 196483
Ion Ratio Lower Upper
43 100
70 39.7 32.2 48.2
55 21.5 18.1 27.1
61 23.2 18.4 27.6

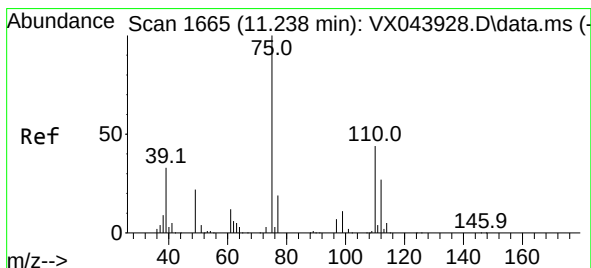
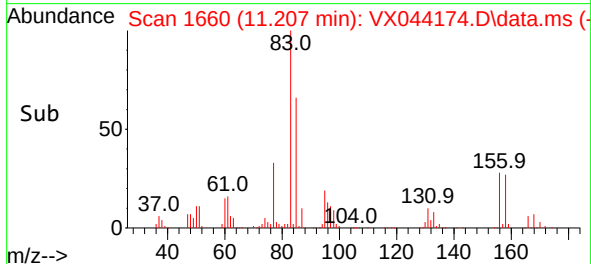
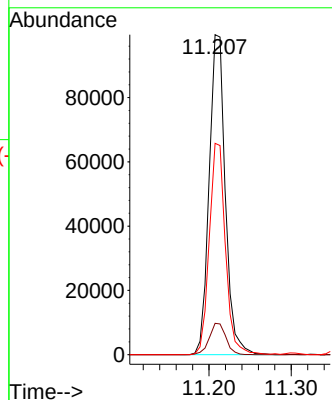
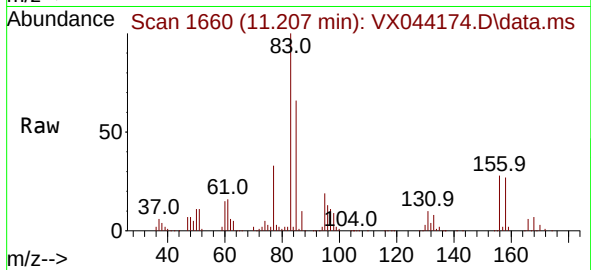




#75
1,1,2,2-Tetrachloroethane
Concen: 52.980 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

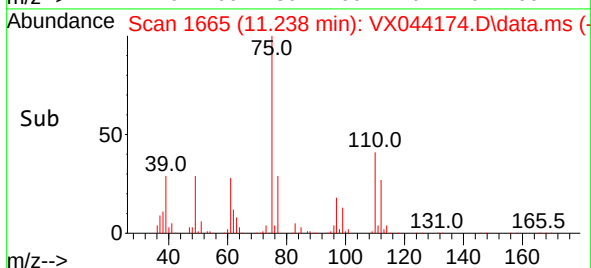
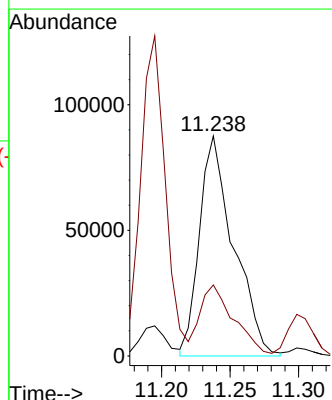
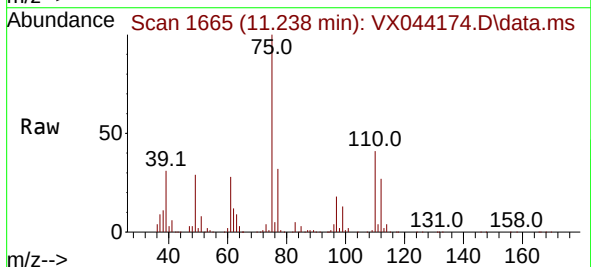
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

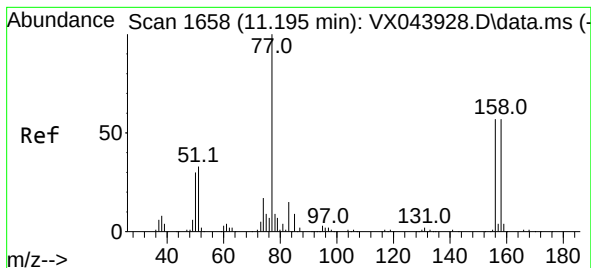
Tgt Ion: 83 Resp: 136043
Ion Ratio Lower Upper
83 100
131 10.1 5.1 15.2
85 66.0 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 71.098 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 75 Resp: 152111
Ion Ratio Lower Upper
75 100
77 32.1 21.8 65.3





#77

Bromobenzene

Concen: 54.572 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

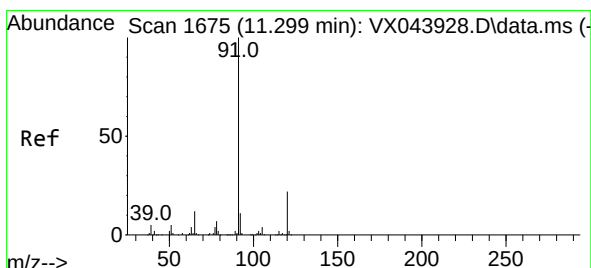
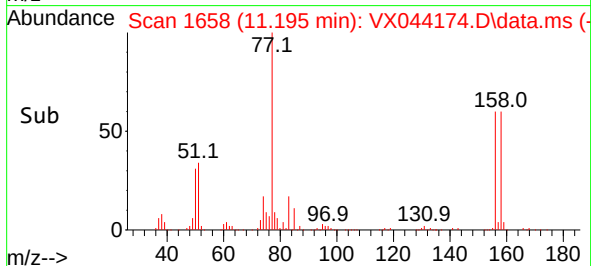
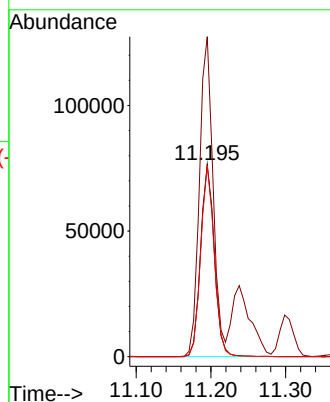
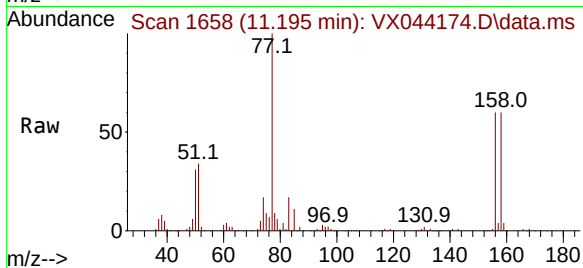
Tgt Ion:156 Resp: 97626

Ion Ratio Lower Upper

156 100

77 164.8 83.4 250.1

158 97.9 47.6 142.8



#78

n-propylbenzene

Concen: 57.544 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044174.D

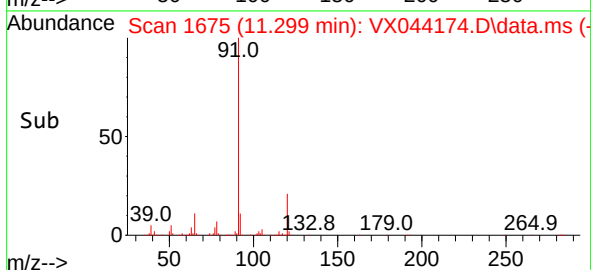
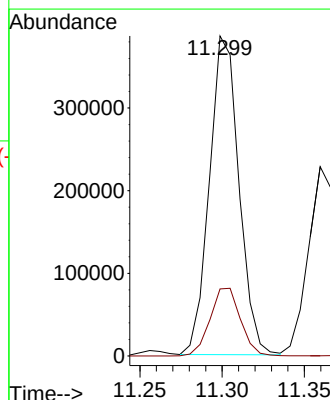
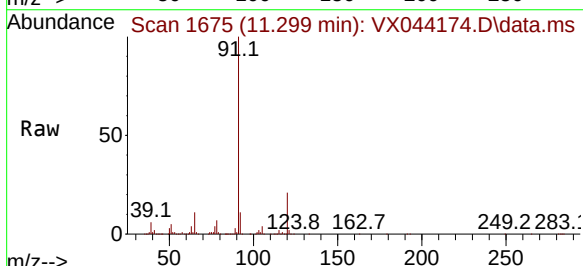
Acq: 09 Dec 2024 09:42

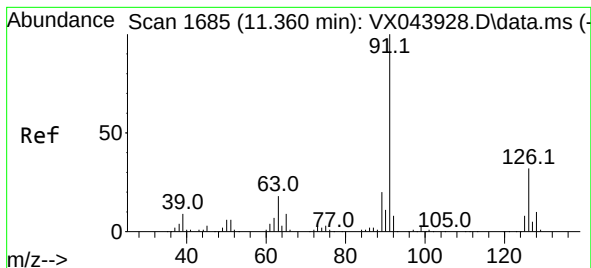
Tgt Ion: 91 Resp: 481969

Ion Ratio Lower Upper

91 100

120 22.0 11.5 34.4

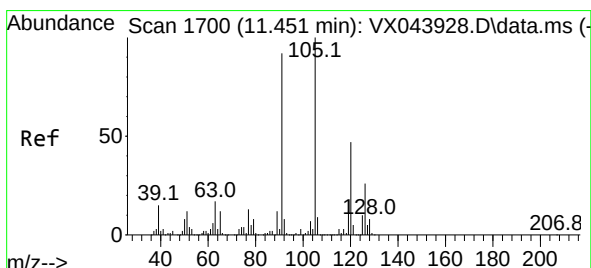
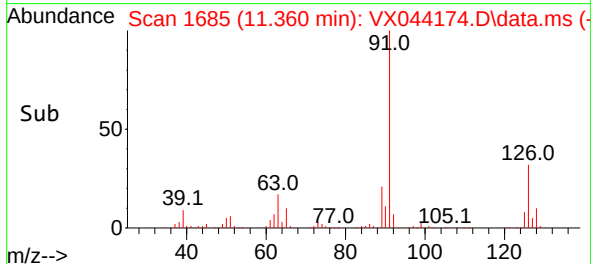
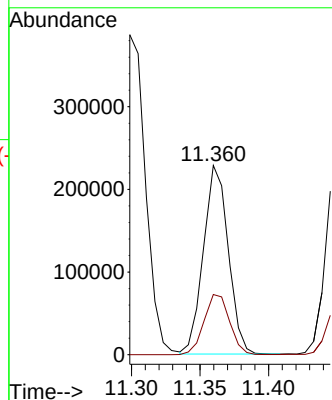
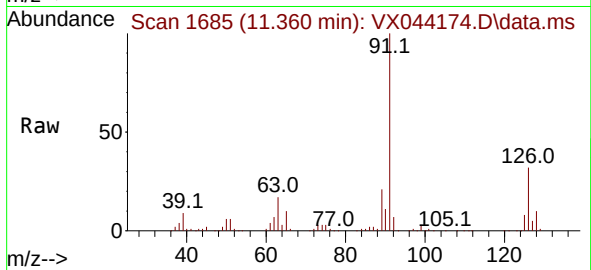




#79
2-Chlorotoluene
Concen: 54.387 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

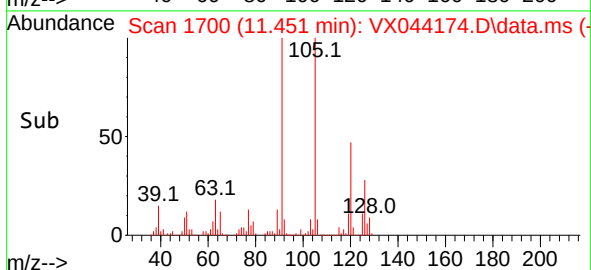
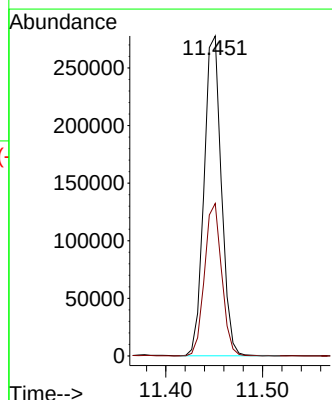
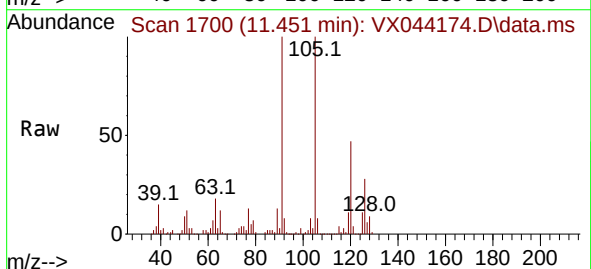
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

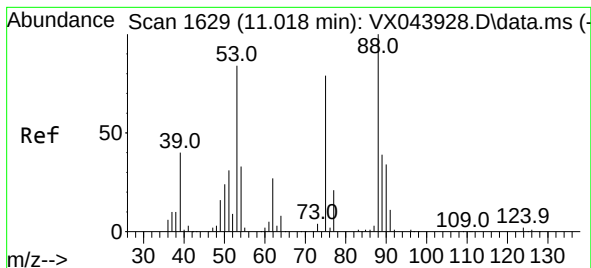
Tgt Ion: 91 Resp: 288045
Ion Ratio Lower Upper
91 100
126 32.9 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 56.047 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 105 Resp: 345791
Ion Ratio Lower Upper
105 100
120 47.4 23.3 69.8

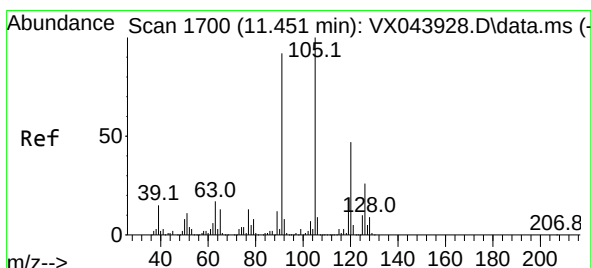
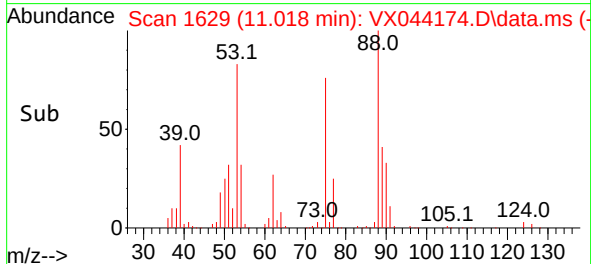
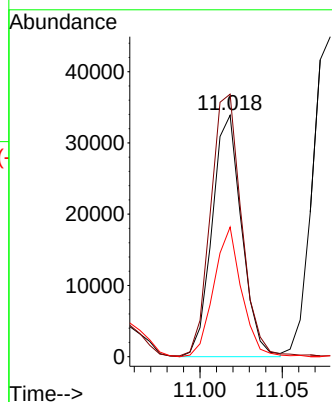
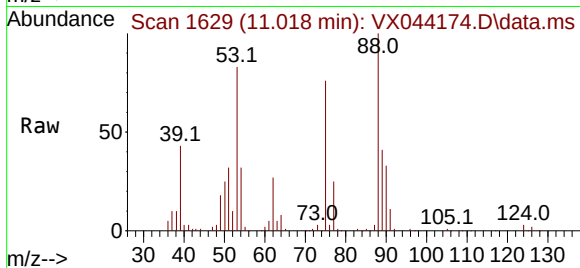




#81
trans-1,4-Dichloro-2-butene
Concen: 54.171 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

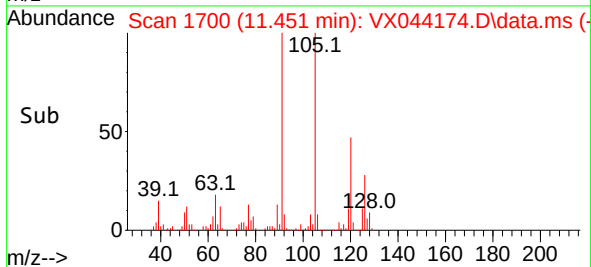
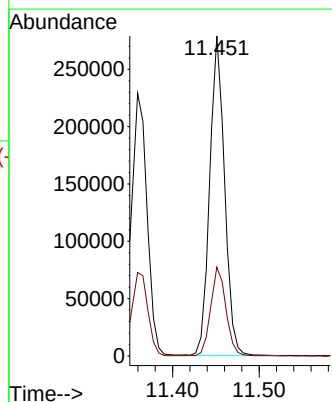
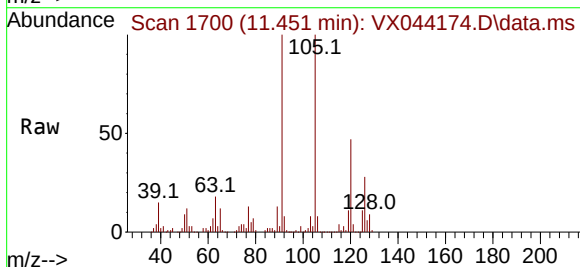
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

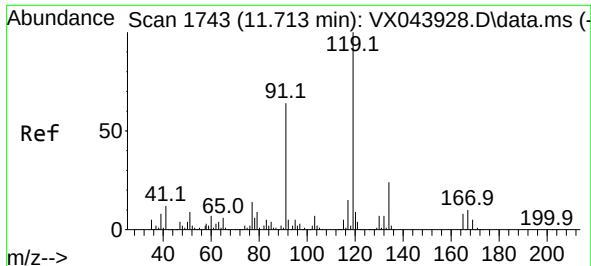
Tgt Ion: 75 Resp: 42472
Ion Ratio Lower Upper
75 100
53 114.4 86.7 130.1
89 50.5 38.2 57.2



#82
4-Chlorotoluene
Concen: 55.701 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 91 Resp: 333051
Ion Ratio Lower Upper
91 100
126 28.7 14.3 42.9

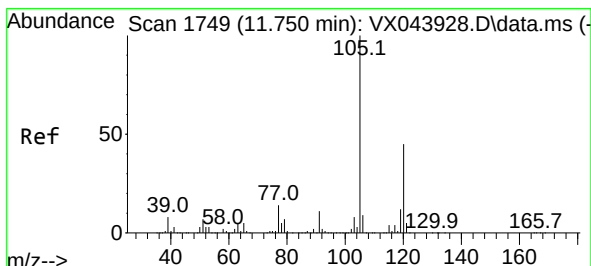
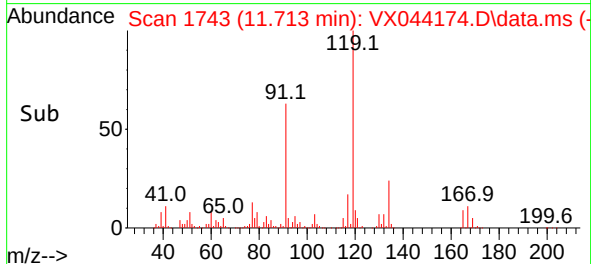
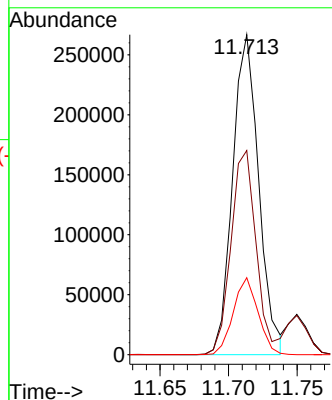
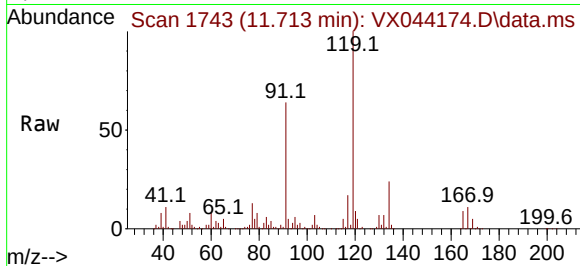




#83
 tert-Butylbenzene
 Concen: 57.848 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. -0.000 min
 Lab File: VX044174.D
 Acq: 09 Dec 2024 09:42

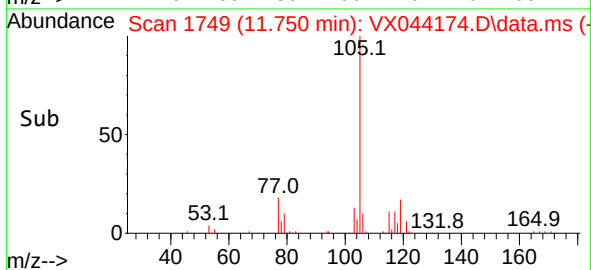
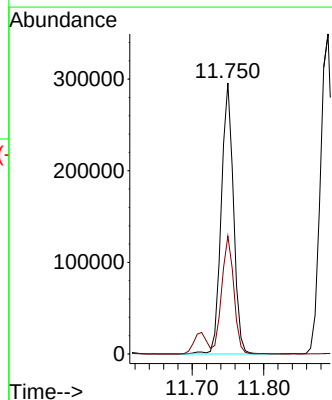
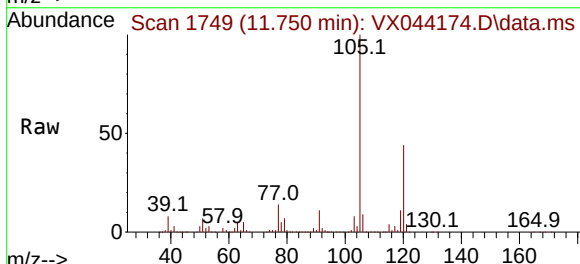
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

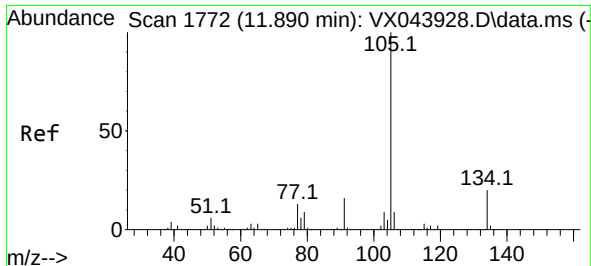
Tgt Ion:119 Resp: 353753
 Ion Ratio Lower Upper
 119 100
 91 60.8 31.0 93.0
 134 22.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 57.161 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX044174.D
 Acq: 09 Dec 2024 09:42

Tgt Ion:105 Resp: 351113
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.9 65.7

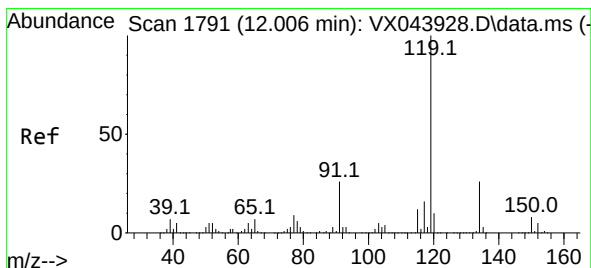
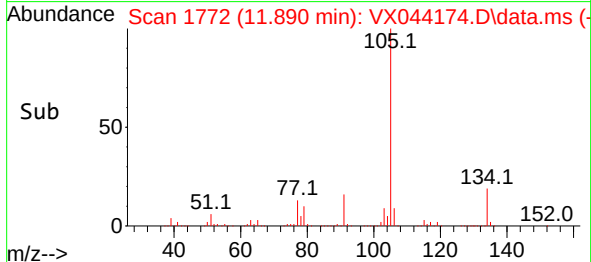
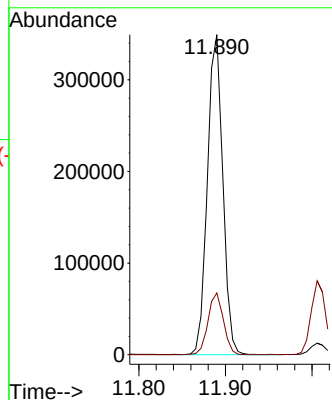
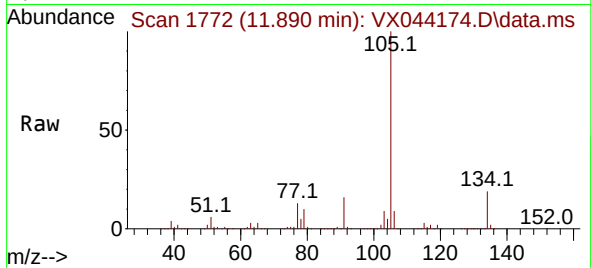




#85
 sec-Butylbenzene
 Concen: 57.559 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX044174.D
 Acq: 09 Dec 2024 09:42

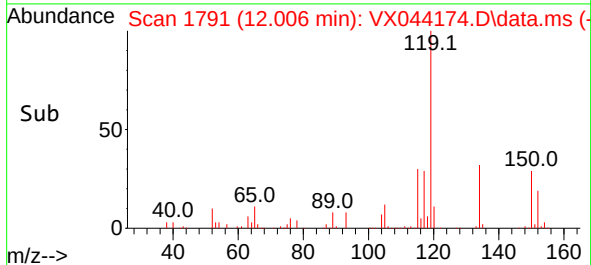
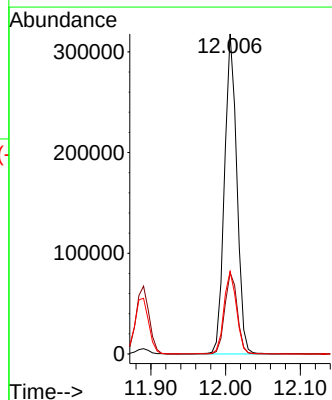
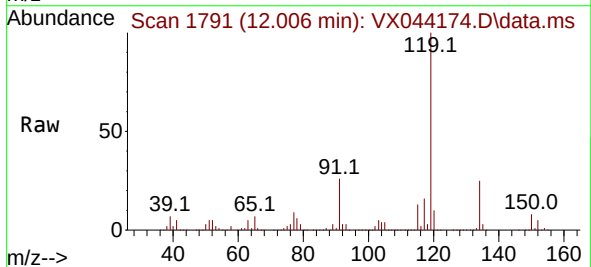
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

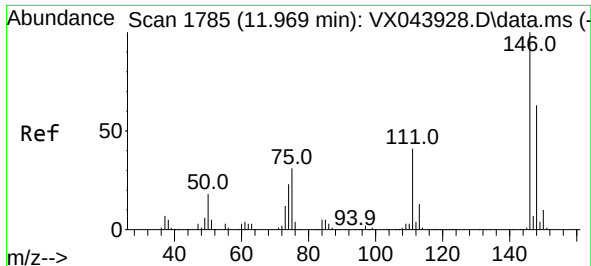
Tgt Ion:105 Resp: 431266
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 59.908 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044174.D
 Acq: 09 Dec 2024 09:42

Tgt Ion:119 Resp: 364608
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 26.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 54.794 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

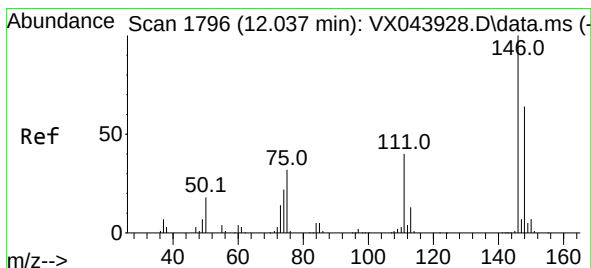
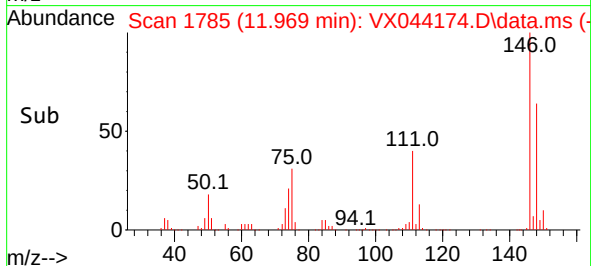
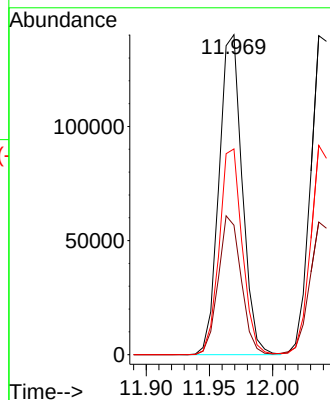
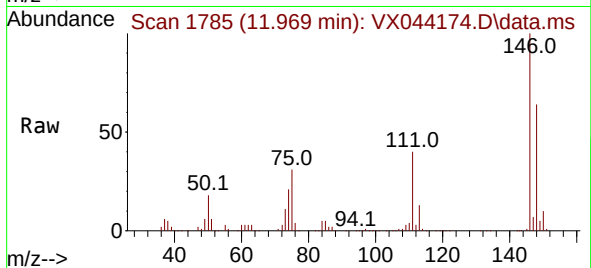
Tgt Ion:146 Resp: 178533

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.3

148 63.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 54.031 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

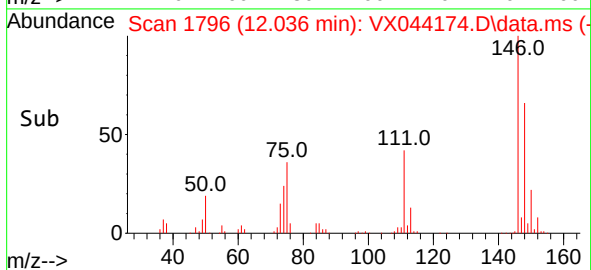
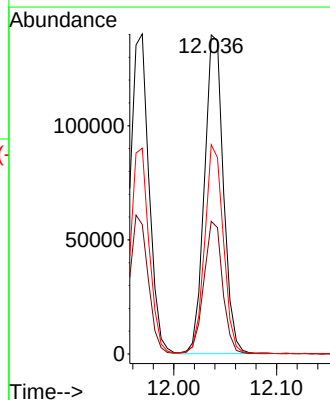
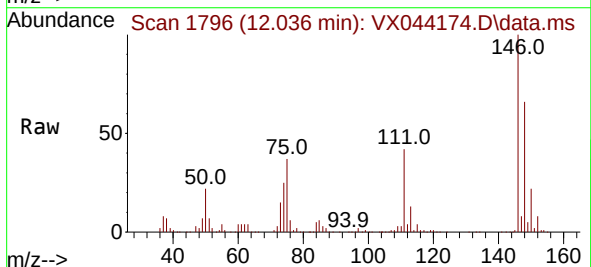
Tgt Ion:146 Resp: 179485

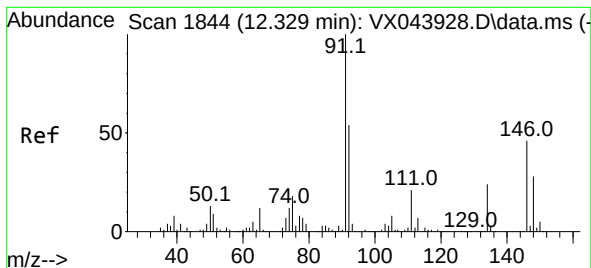
Ion Ratio Lower Upper

146 100

111 41.3 20.1 60.3

148 64.8 30.9 92.8





#89

n-Butylbenzene

Concen: 61.157 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044174.D

Acq: 09 Dec 2024 09:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

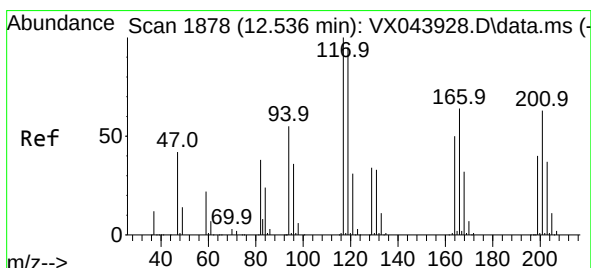
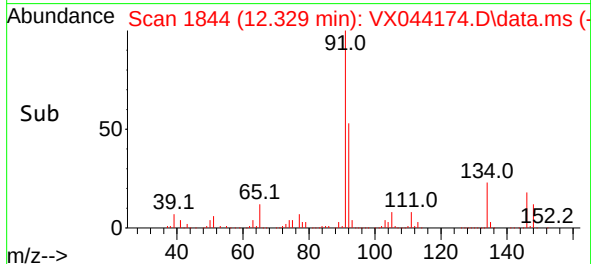
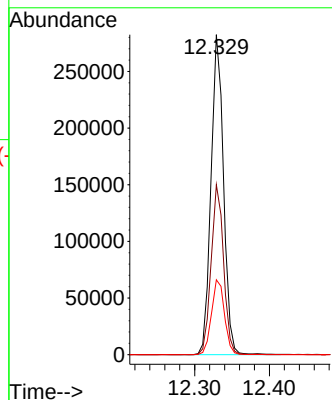
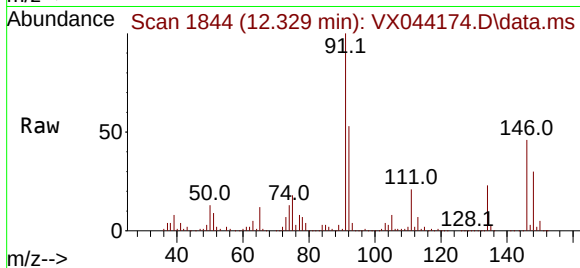
Tgt Ion: 91 Resp: 328165

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

134 24.4 12.4 37.2



#90

Hexachloroethane

Concen: 58.597 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044174.D

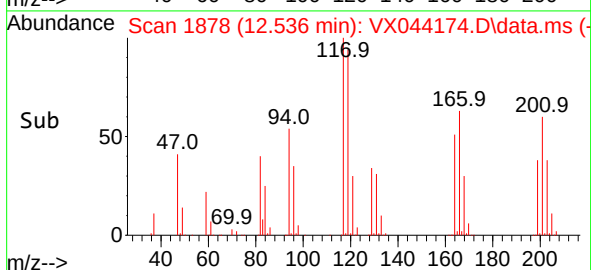
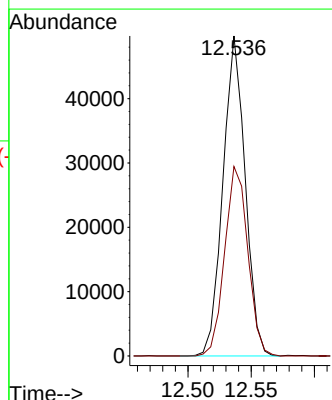
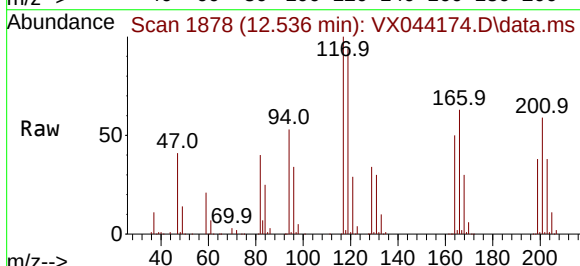
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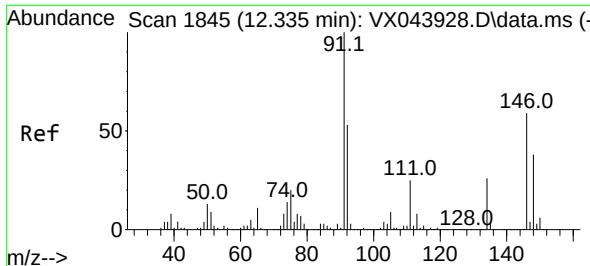
Tgt Ion: 117 Resp: 60642

Ion Ratio Lower Upper

117 100

201 61.8 32.4 97.0

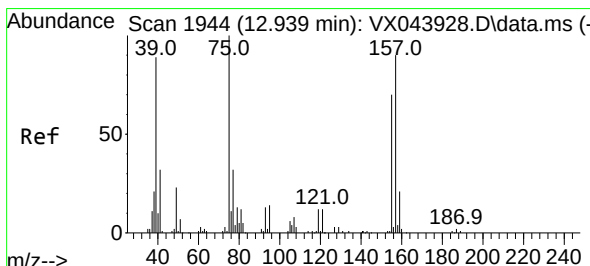
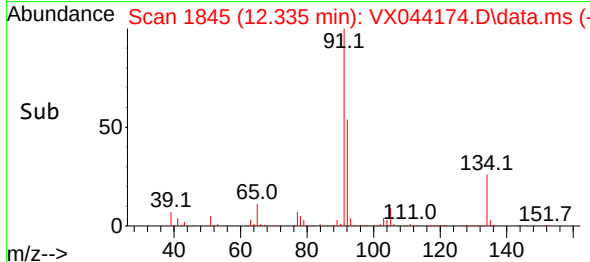
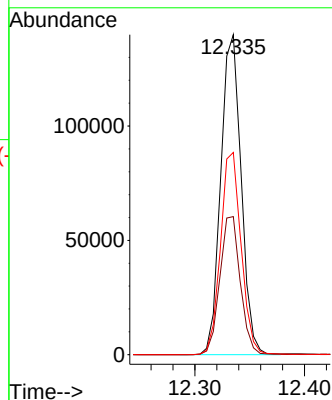
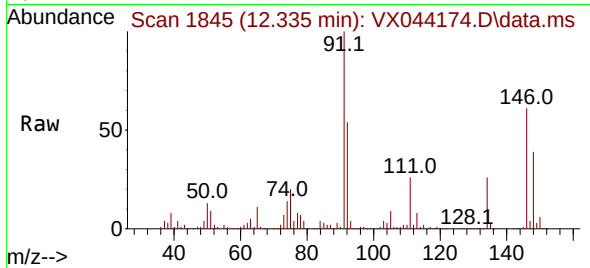




#91
1,2-Dichlorobenzene
Concen: 55.006 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

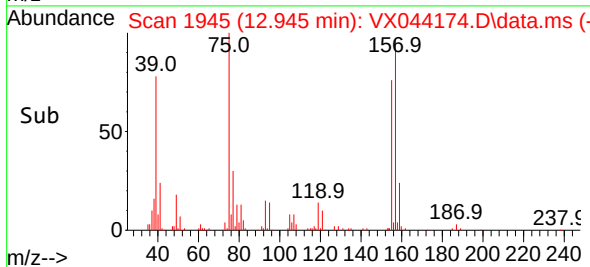
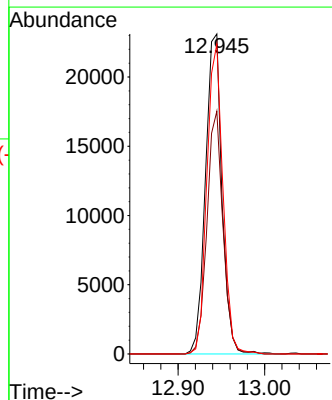
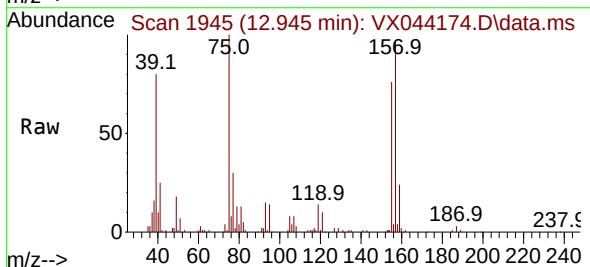
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

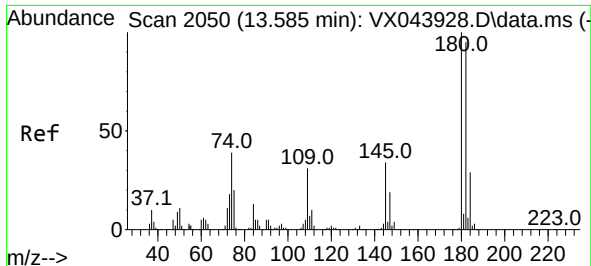
Tgt Ion:146 Resp: 180867
Ion Ratio Lower Upper
146 100
111 43.6 21.5 64.5
148 64.2 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 59.476 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion: 75 Resp: 30602
Ion Ratio Lower Upper
75 100
155 73.8 40.1 120.2
157 93.9 49.6 149.0

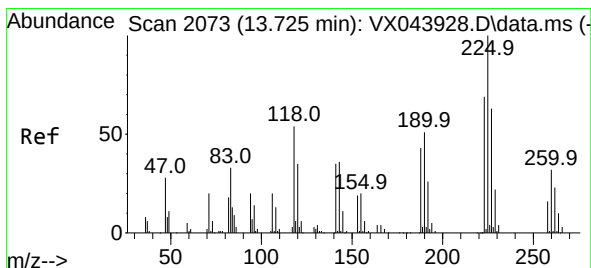
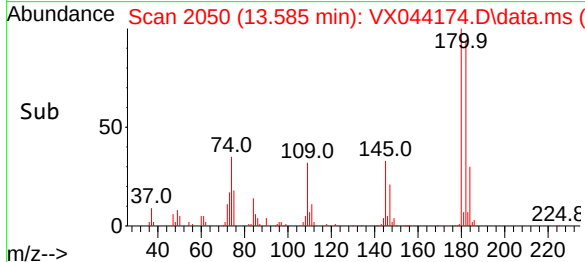
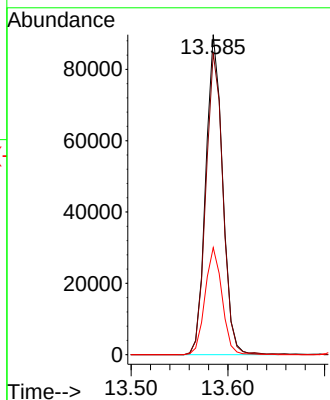
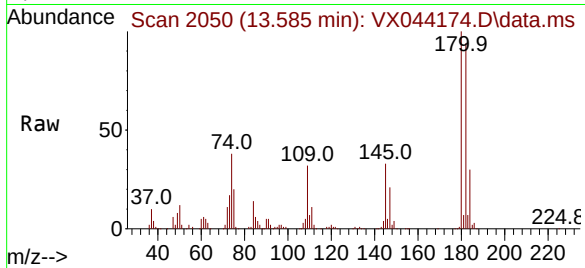




#93
1,2,4-Trichlorobenzene
Concen: 55.987 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

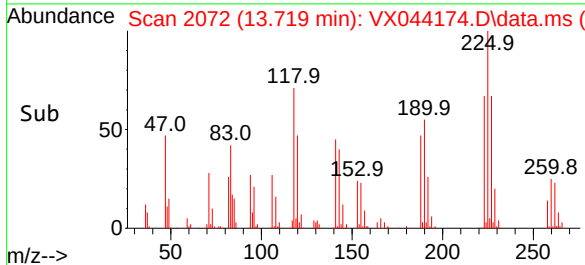
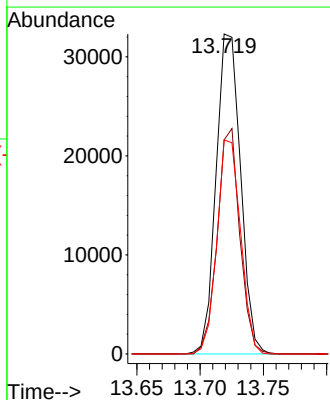
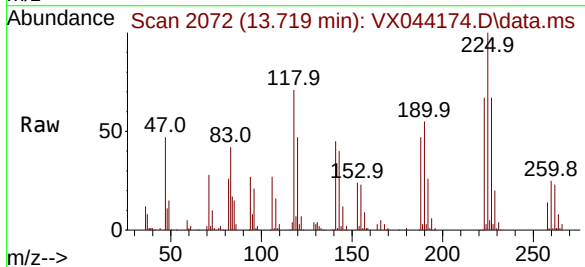
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MSVOA_X
ClientSampleId :
VSTDCCC050

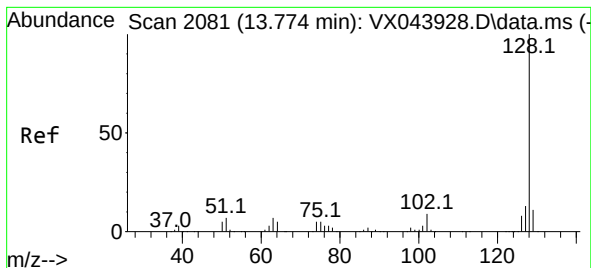
Tgt Ion:180 Resp: 108534
Ion Ratio Lower Upper
180 100
182 95.8 48.0 144.2
145 33.8 16.8 50.4



#94
Hexachlorobutadiene
Concen: 56.671 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

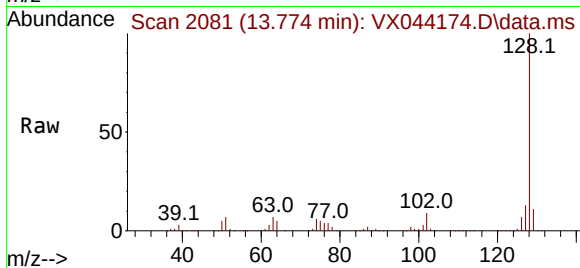
Tgt Ion:225 Resp: 43419
Ion Ratio Lower Upper
225 100
223 64.8 32.9 98.6
227 64.7 31.6 94.8



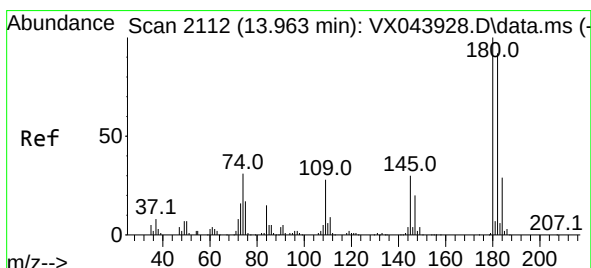
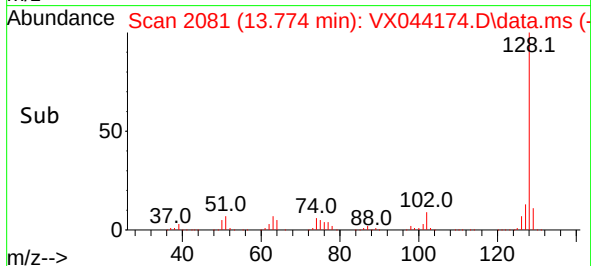
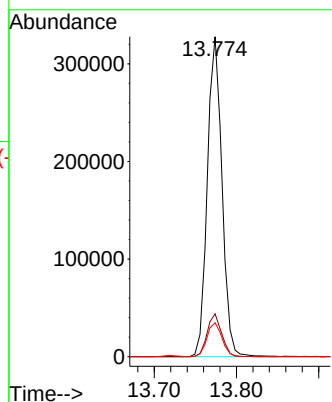


#95
Naphthalene
Concen: 58.075 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

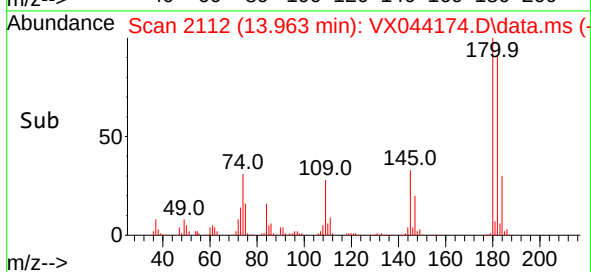
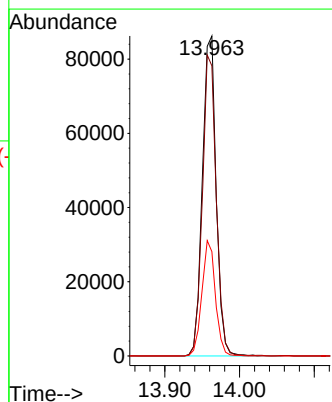
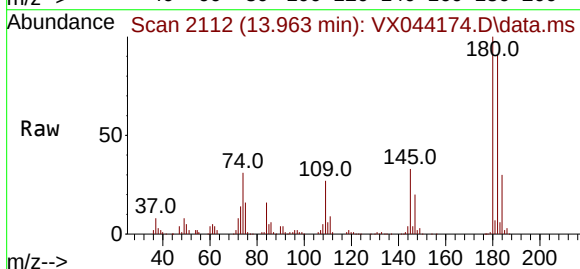


Tgt Ion:	128	Resp:	405265
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.9	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.138 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044174.D
Acq: 09 Dec 2024 09:42

Tgt Ion:	180	Resp:	110149
Ion	Ratio	Lower	Upper
180	100		
182	94.8	45.6	136.8
145	35.4	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044178.D
 Acq On : 09 Dec 2024 11:24
 Operator : JC/MD
 Sample : VX1209WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

Quant Time: Dec 10 01:38:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	138067	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	244472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	208975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95808	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	121268	51.209	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.420%	
35) Dibromofluoromethane	5.379	113	87968	50.357	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.720%	
50) Toluene-d8	8.647	98	293099	48.674	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	11.079	95	104206	50.849	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.700%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	25847	14.777	ug/l	99
3) Chloromethane	1.295	50	29200	15.865	ug/l	99
4) Vinyl Chloride	1.374	62	31291	15.983	ug/l	99
5) Bromomethane	1.593	94	23368	19.403	ug/l	94
6) Chloroethane	1.666	64	23761	19.919	ug/l	99
7) Trichlorofluoromethane	1.868	101	68333	19.523	ug/l	99
8) Diethyl Ether	2.130	74	24094	18.887	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	30299	18.148	ug/l	99
10) Methyl Iodide	2.441	142	37303	17.890	ug/l	97
11) Tert butyl alcohol	2.989	59	33332	87.693	ug/l	99
12) 1,1-Dichloroethene	2.307	96	26910	16.915	ug/l	98
13) Acrolein	2.233	56	41729	104.156	ug/l	95
14) Allyl chloride	2.654	41	46940	18.057	ug/l	96
15) Acrylonitrile	3.069	53	89926	97.083	ug/l	98
16) Acetone	2.386	43	105420	96.925	ug/l	98
17) Carbon Disulfide	2.502	76	45722	13.932	ug/l	97
18) Methyl Acetate	2.703	43	50065	19.766	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	116673	20.197	ug/l	98
20) Methylene Chloride	2.782	84	33093	17.930	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	29302	17.839	ug/l	96
22) Diisopropyl ether	3.764	45	109479	19.695	ug/l	97
23) Vinyl Acetate	3.721	43	463465	97.466	ug/l	99
24) 1,1-Dichloroethane	3.599	63	60828	18.969	ug/l	98
25) 2-Butanone	4.562	43	139590	99.466	ug/l	99
26) 2,2-Dichloropropane	4.465	77	53179	18.362	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	37635	18.536	ug/l	99
28) Bromochloromethane	4.891	49	30600	21.678	ug/l	97
29) Tetrahydrofuran	5.007	42	84862	98.634	ug/l	99
30) Chloroform	5.087	83	67049	19.440	ug/l	94
31) Cyclohexane	5.458	56	47372	17.949	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	57469	19.322	ug/l	100
36) 1,1-Dichloropropene	5.690	75	41223	18.937	ug/l	98
37) Ethyl Acetate	4.715	43	52058	19.266	ug/l	99
38) Carbon Tetrachloride	5.672	117	44537	18.208	ug/l	95
39) Methylcyclohexane	7.373	83	51187	18.100	ug/l	95
40) Benzene	6.031	78	125330	18.484	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044178.D
 Acq On : 09 Dec 2024 11:24
 Operator : JC/MD
 Sample : VX1209WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

Quant Time: Dec 10 01:38:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28061	20.290	ug/l	95
42) 1,2-Dichloroethane	6.086	62	54359	19.961	ug/l	98
43) Isopropyl Acetate	6.342	43	87044	20.241	ug/l	99
44) Trichloroethene	7.123	130	30375	15.824	ug/l	88
45) 1,2-Dichloropropane	7.428	63	31819	19.160	ug/l	96
46) Dibromomethane	7.580	93	25677	19.545	ug/l	99
47) Bromodichloromethane	7.818	83	45411	19.274	ug/l	94
48) Methyl methacrylate	7.690	41	39967	19.369	ug/l	98
49) 1,4-Dioxane	7.665	88	9999	272.034	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	272719	103.922	ug/l	97
52) Toluene	8.714	92	79528	19.596	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	45407	18.899	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	50210	19.063	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	32520	19.411	ug/l	95
56) Ethyl methacrylate	9.116	69	52628	20.168	ug/l	99
57) 1,3-Dichloropropane	9.305	76	56861	20.148	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	120482	83.607	ug/l	98
59) 2-Hexanone	9.433	43	206270	104.575	ug/l	99
60) Dibromochloromethane	9.519	129	31752	18.890	ug/l	98
61) 1,2-Dibromoethane	9.610	107	33872	19.995	ug/l	97
64) Tetrachloroethene	9.269	164	27438	19.912	ug/l	94
65) Chlorobenzene	10.079	112	86930	18.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	29738	19.979	ug/l	98
67) Ethyl Benzene	10.189	91	153285	19.709	ug/l	99
68) m/p-Xylenes	10.299	106	112617	38.830	ug/l	98
69) o-Xylene	10.640	106	57207	20.202	ug/l	98
70) Styrene	10.653	104	91943	19.631	ug/l	99
71) Bromoform	10.799	173	17741	17.090	ug/l #	98
73) Isopropylbenzene	10.963	105	148847	20.211	ug/l	99
74) N-amyl acetate	10.842	43	68730	20.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	50588	20.061	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	53849	25.630	ug/l	85
77) Bromobenzene	11.195	156	34426	19.595	ug/l	99
78) n-propylbenzene	11.305	91	165076	20.069	ug/l	100
79) 2-Chlorotoluene	11.360	91	103092	19.821	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	121500	20.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12436	16.151	ug/l	88
82) 4-Chlorotoluene	11.451	91	115232	19.624	ug/l	99
83) tert-Butylbenzene	11.713	119	122790	20.446	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	124841	20.696	ug/l	96
85) sec-Butylbenzene	11.890	105	148512	20.184	ug/l	100
86) p-Isopropyltoluene	12.006	119	125408	20.982	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	61556	19.238	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	61826	18.952	ug/l	95
89) n-Butylbenzene	12.329	91	104032	19.742	ug/l	99
90) Hexachloroethane	12.536	117	17841	17.554	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	61888	19.166	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9884	19.561	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	35332	18.559	ug/l	100
94) Hexachlorobutadiene	13.725	225	14463	19.222	ug/l	97
95) Naphthalene	13.774	128	139855	20.408	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	37158	19.284	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Quant Time: Dec 10 01:38:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

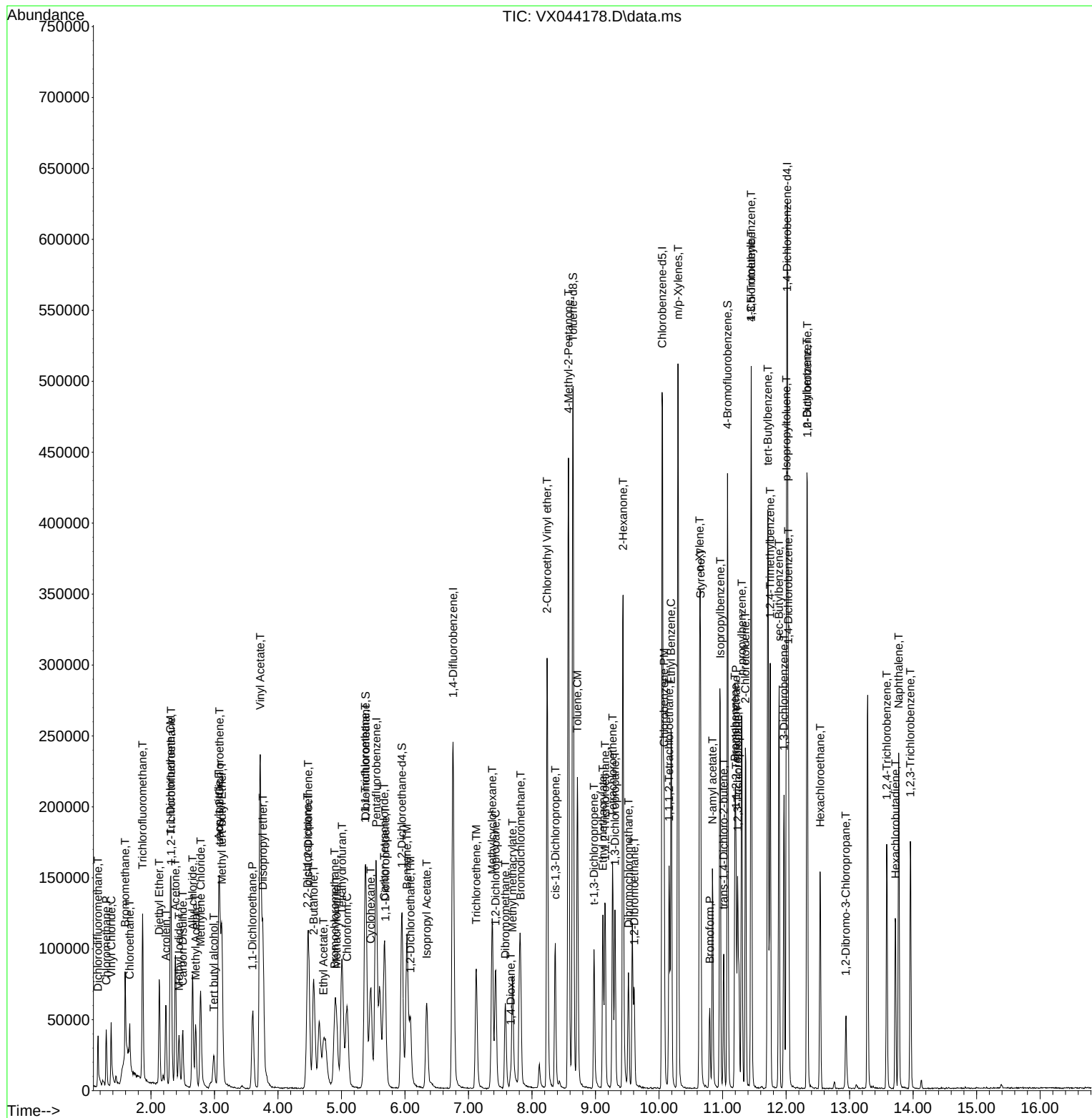
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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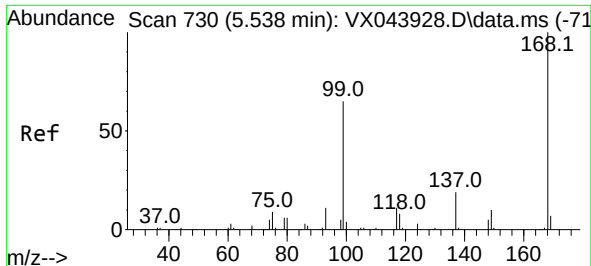
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044178.D
Acq On : 09 Dec 2024 11:24
Operator : JC/MD
Sample : VX1209WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Quant Time: Dec 10 01:38:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

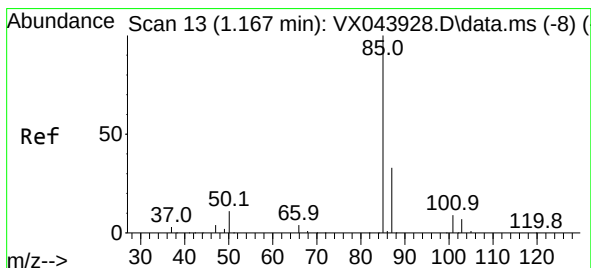
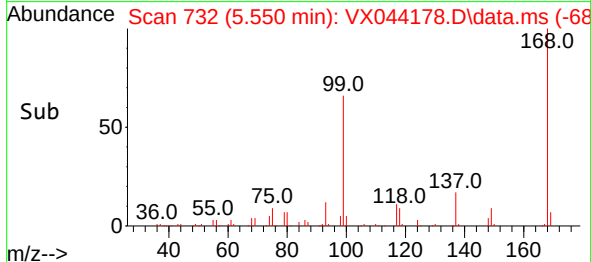
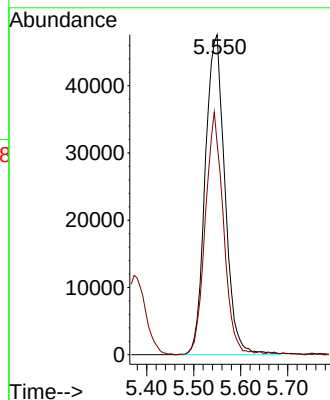
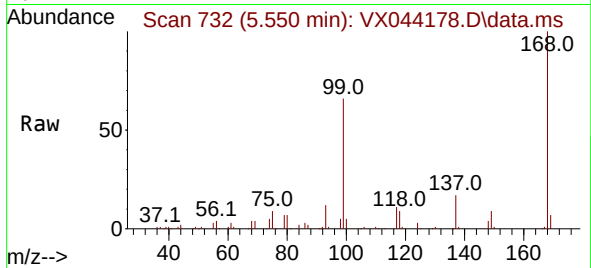




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

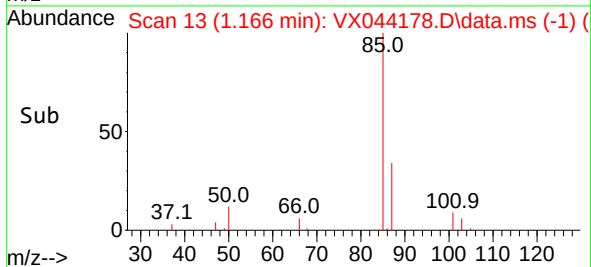
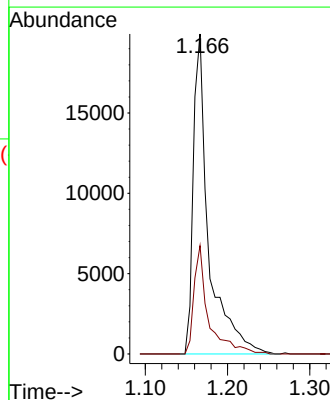
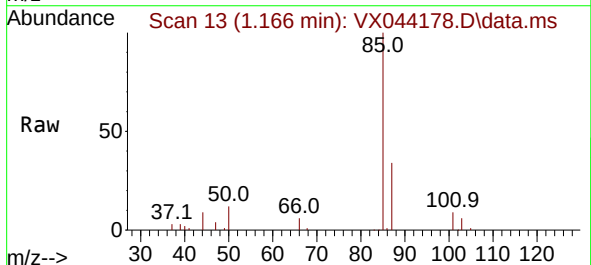
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

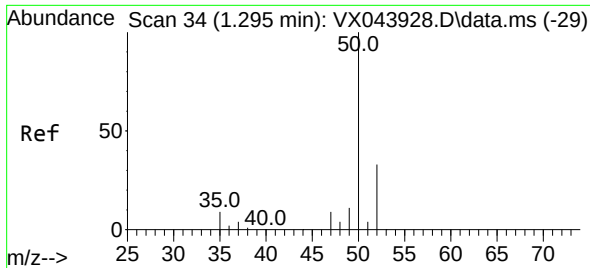
Tgt Ion:168 Resp: 138067
Ion Ratio Lower Upper
168 100
99 65.6 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 14.777 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 85 Resp: 25847
Ion Ratio Lower Upper
85 100
87 33.8 16.6 49.8

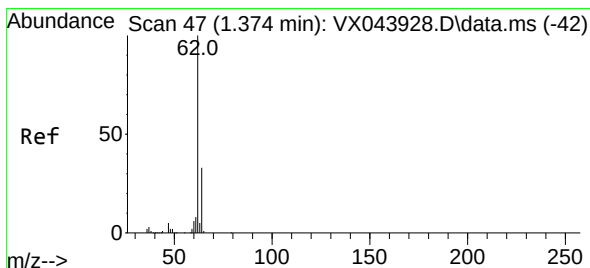
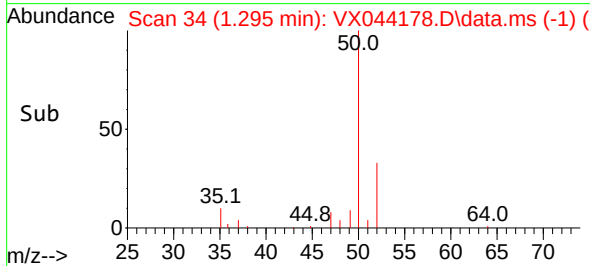
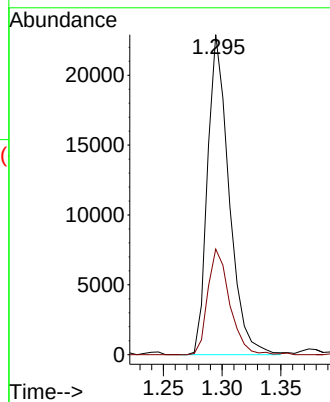
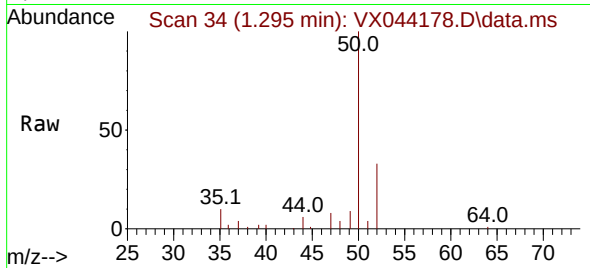




#3
Chloromethane
Concen: 15.865 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

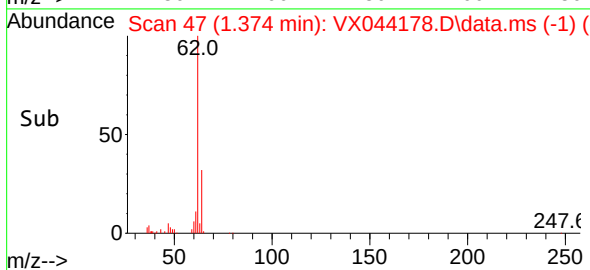
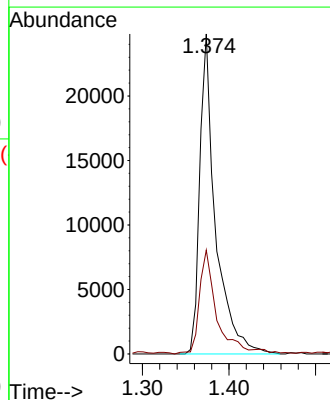
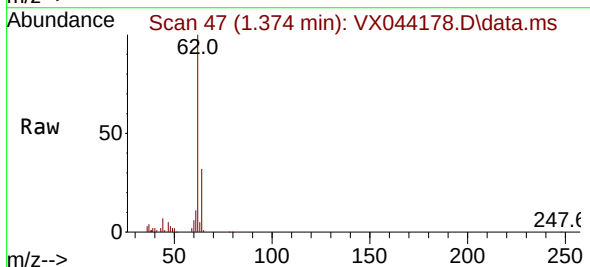
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

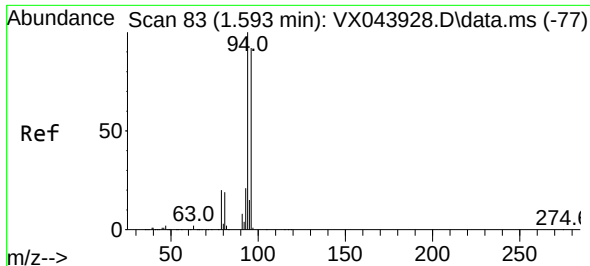
Tgt Ion: 50 Resp: 29200
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1



#4
Vinyl Chloride
Concen: 15.983 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 62 Resp: 31291
Ion Ratio Lower Upper
62 100
64 32.1 26.2 39.4

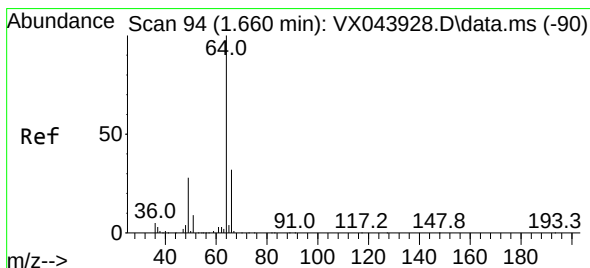
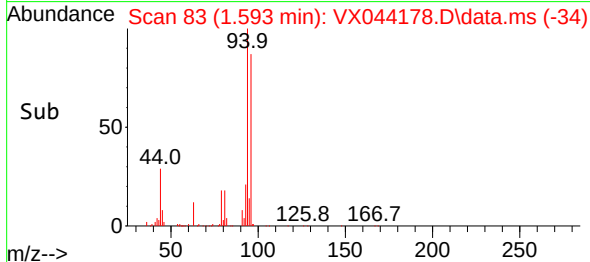
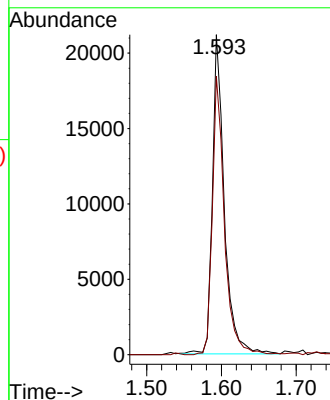
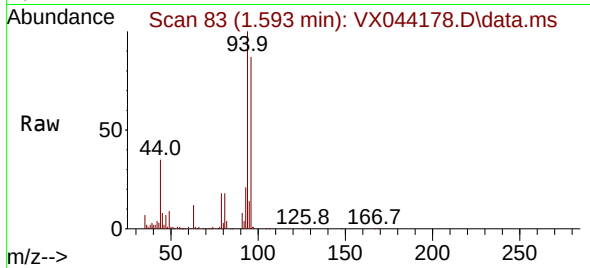




#5
Bromomethane
Concen: 19.403 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

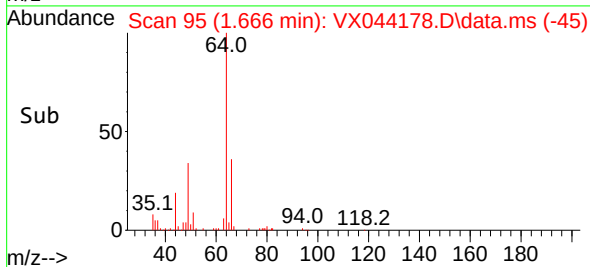
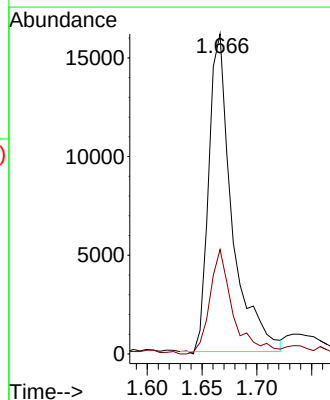
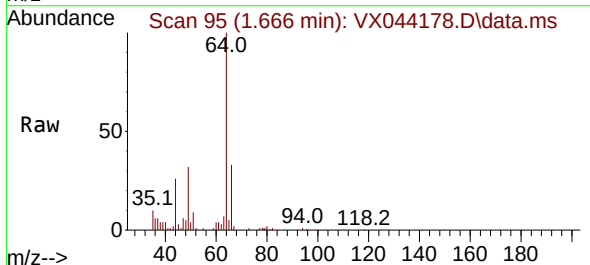
Instrument :
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ClientSampleId :
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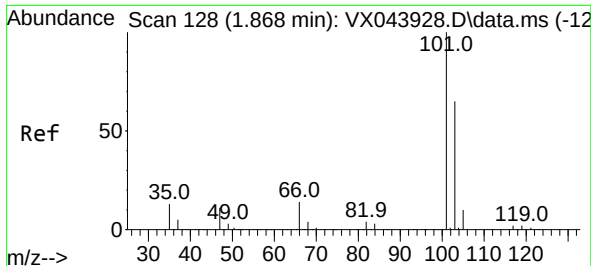
Tgt Ion: 94 Resp: 23368
Ion Ratio Lower Upper
94 100
96 86.9 73.9 110.9



#6
Chloroethane
Concen: 19.919 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 64 Resp: 23761
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

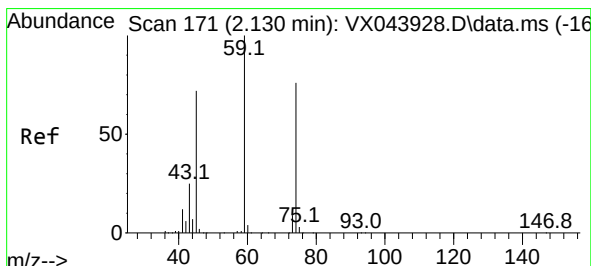
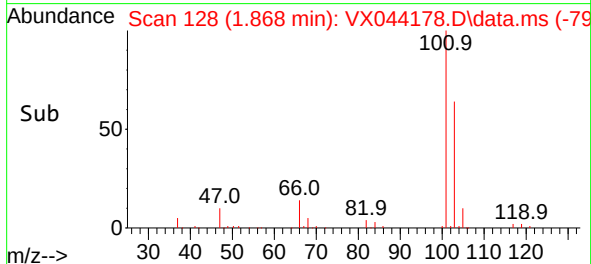
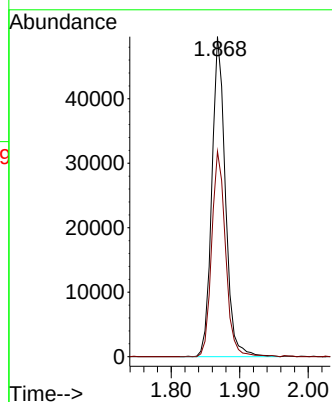
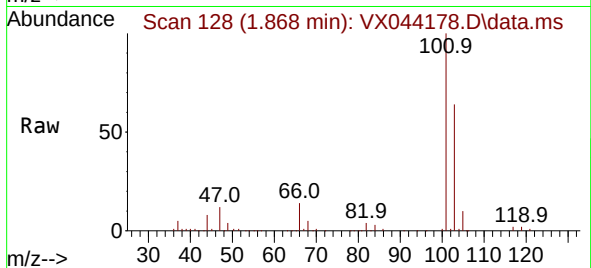




#7
Trichlorofluoromethane
Concen: 19.523 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

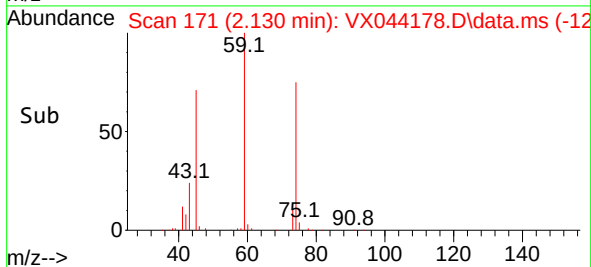
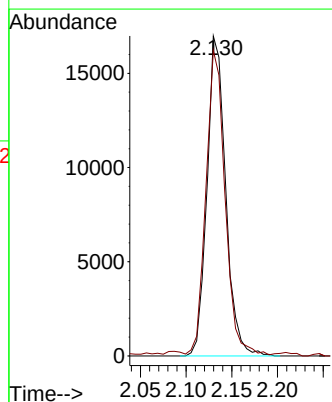
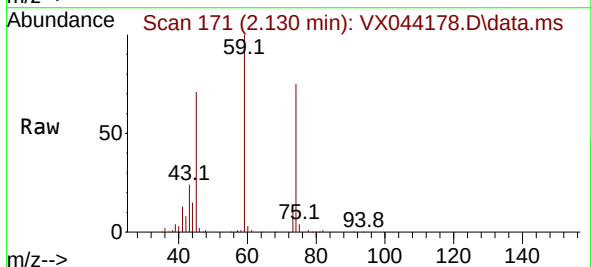
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

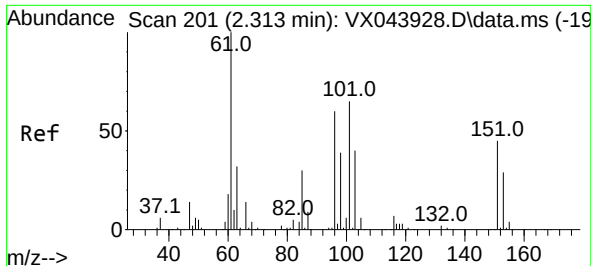
Tgt Ion:101 Resp: 68333
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2



#8
Diethyl Ether
Concen: 18.887 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 74 Resp: 24094
Ion Ratio Lower Upper
74 100
45 96.9 47.9 143.6

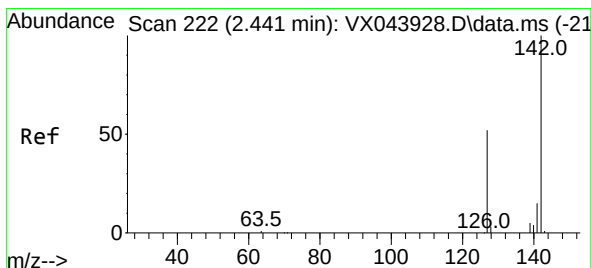
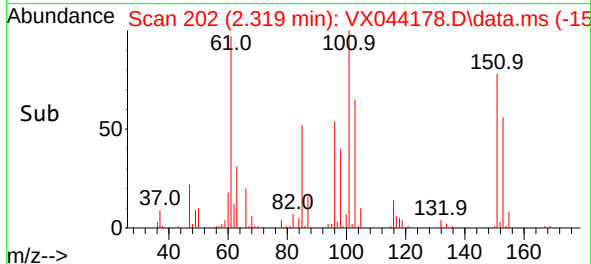
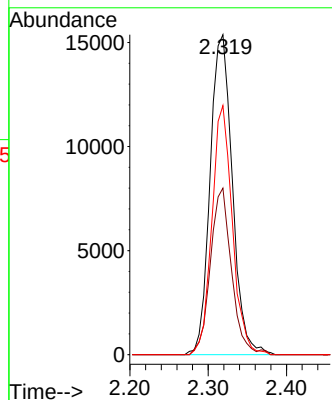
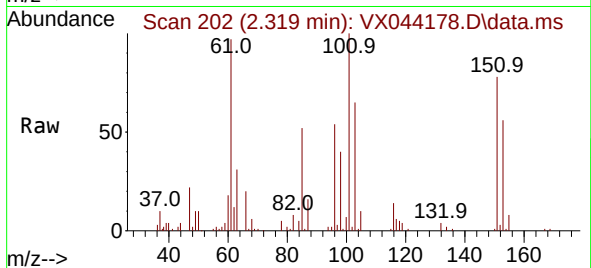




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.148 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

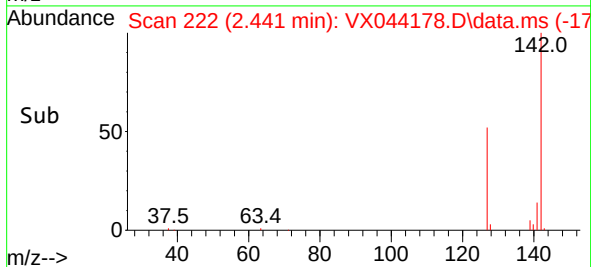
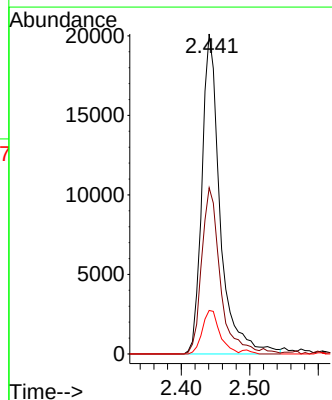
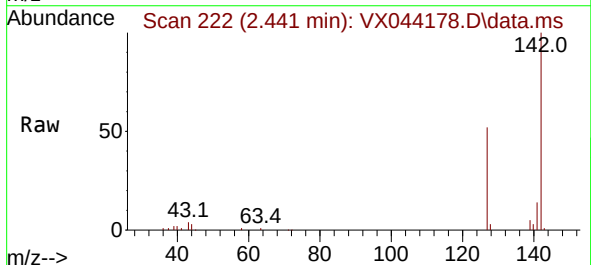
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

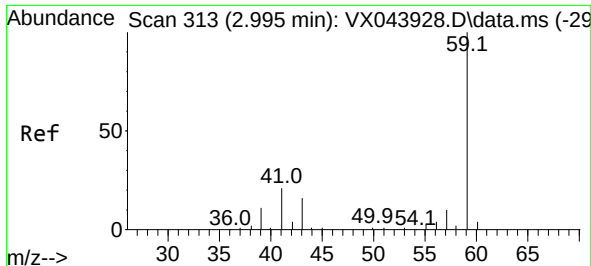
Tgt Ion:101 Resp: 30299
Ion Ratio Lower Upper
101 100
85 49.5 37.9 56.9
151 71.8 57.5 86.3



#10
Methyl Iodide
Concen: 17.890 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:142 Resp: 37303
Ion Ratio Lower Upper
142 100
127 52.8 40.7 61.1
141 13.1 12.0 18.0

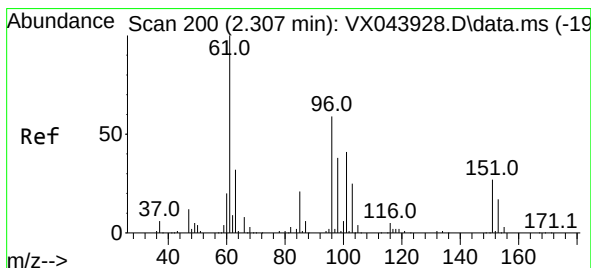
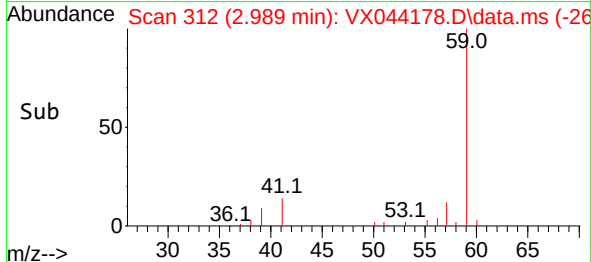
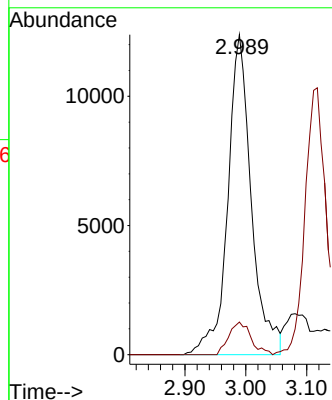
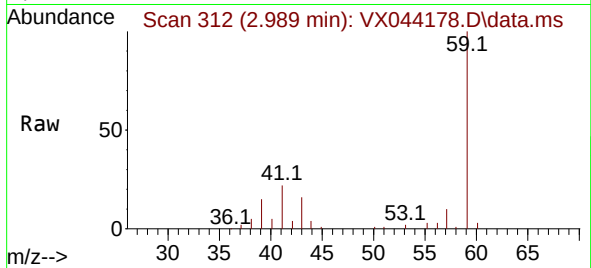




#11
Tert butyl alcohol
Concen: 87.693 ug/l
RT: 2.989 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

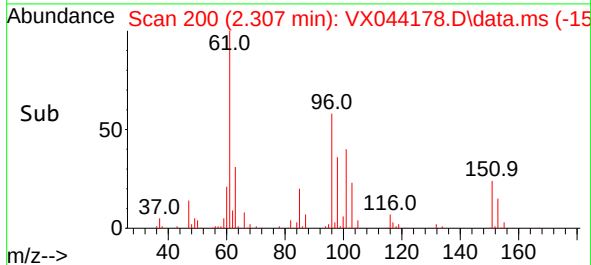
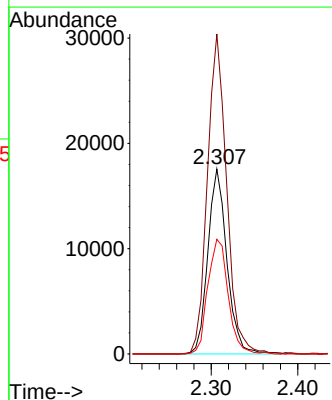
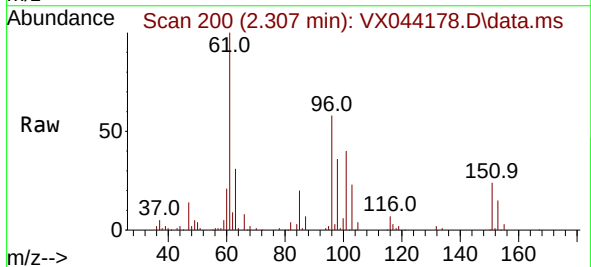
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

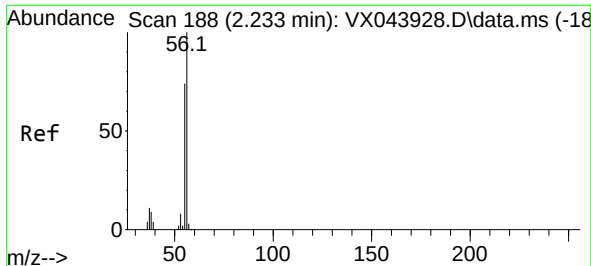
Tgt Ion: 59 Resp: 33332
Ion Ratio Lower Upper
59 100
57 9.6 7.9 11.9



#12
1,1-Dichloroethene
Concen: 16.915 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 96 Resp: 26910
Ion Ratio Lower Upper
96 100
61 173.0 135.5 203.3
98 62.0 50.8 76.2

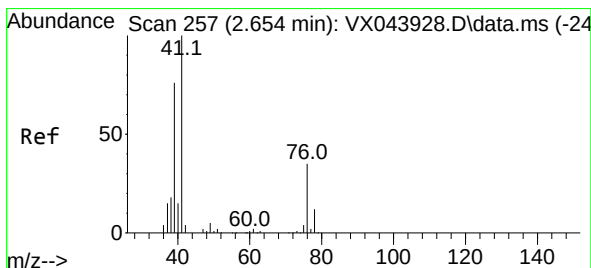
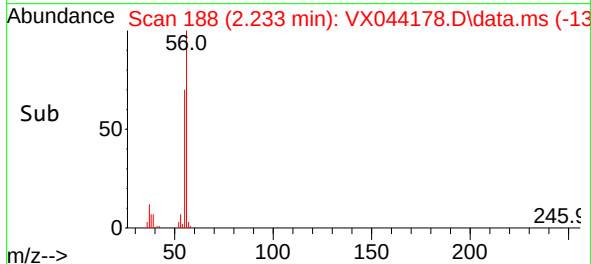
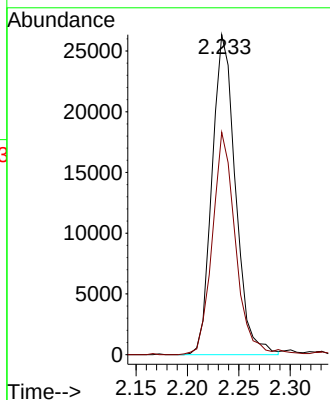
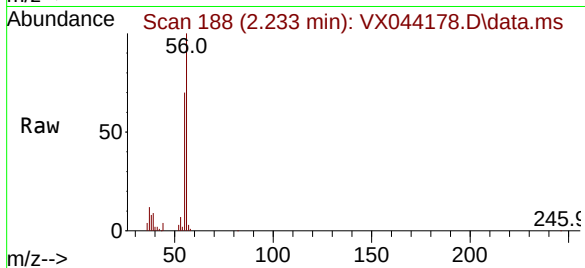




#13
Acrolein
Concen: 104.156 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

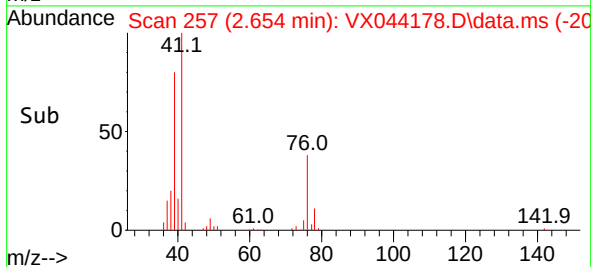
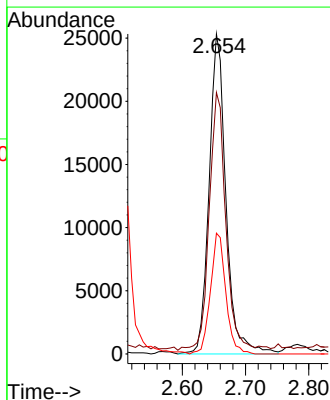
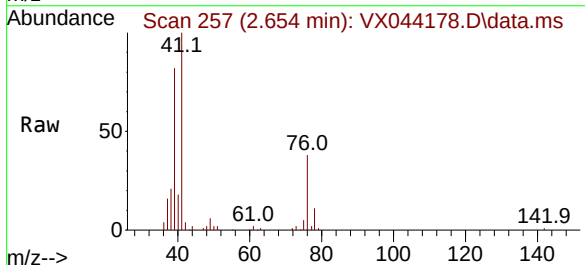
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

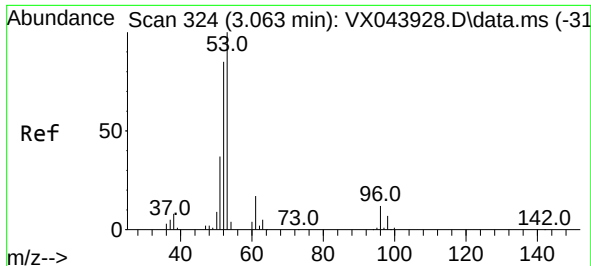
Tgt Ion: 56 Resp: 41729
Ion Ratio Lower Upper
56 100
55 68.8 58.2 87.2



#14
Allyl chloride
Concen: 18.057 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 41 Resp: 46940
Ion Ratio Lower Upper
41 100
39 78.9 59.5 89.3
76 34.3 27.4 41.2

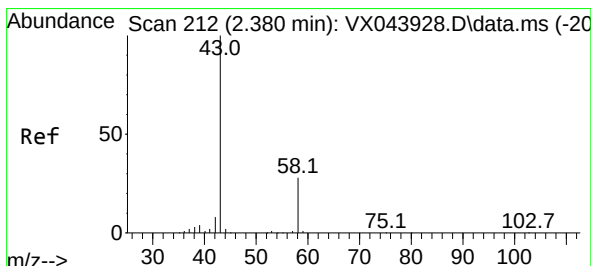
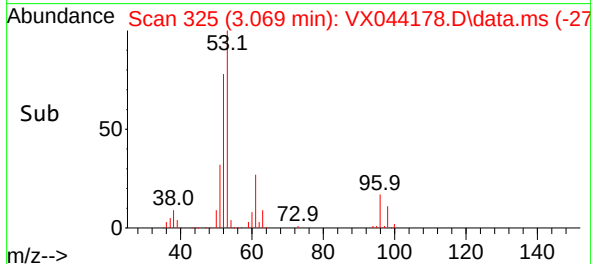
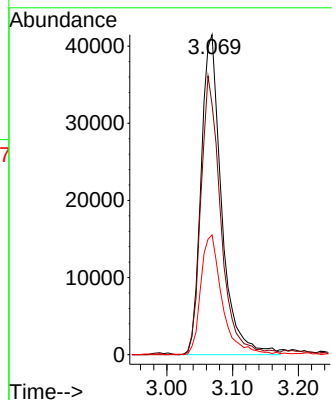
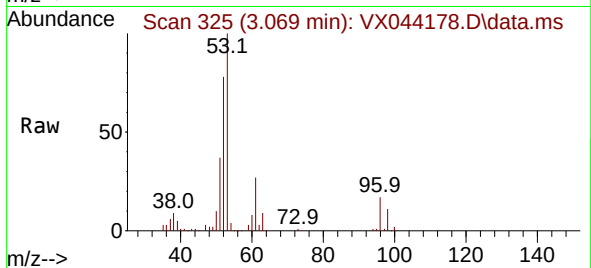




#15
Acrylonitrile
Concen: 97.083 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

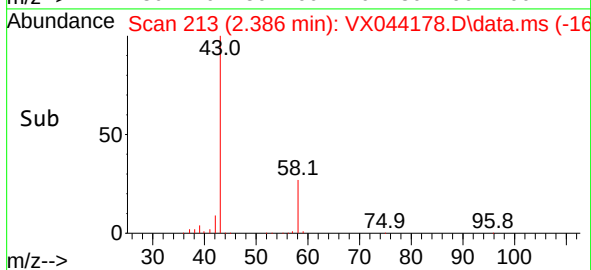
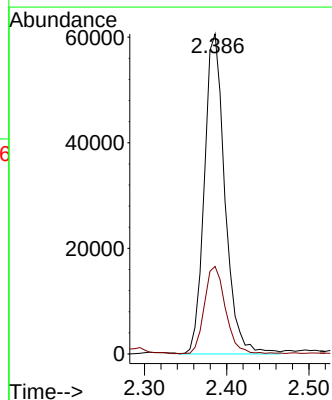
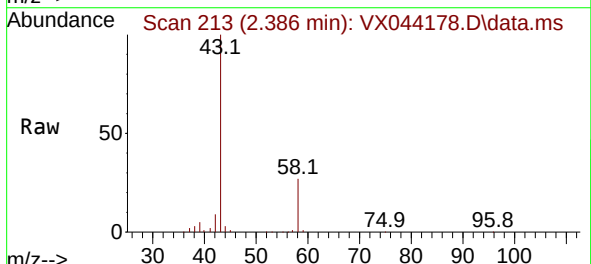
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

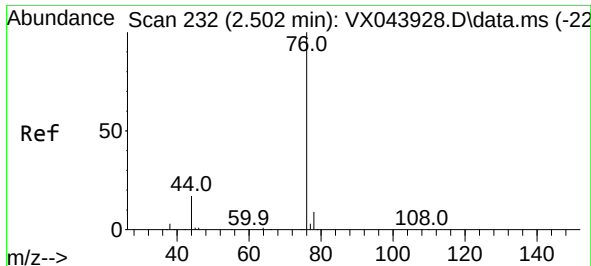
Tgt Ion: 53	Resp: 89926
Ion Ratio	Lower Upper
53	100
52	84.6 66.5 99.7
51	38.9 30.2 45.4



#16
Acetone
Concen: 96.925 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43	Resp: 105420
Ion Ratio	Lower Upper
43	100
58	27.2 22.7 34.1

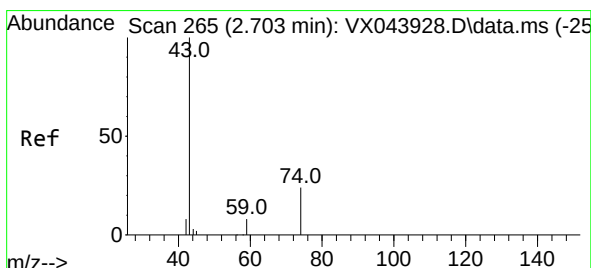
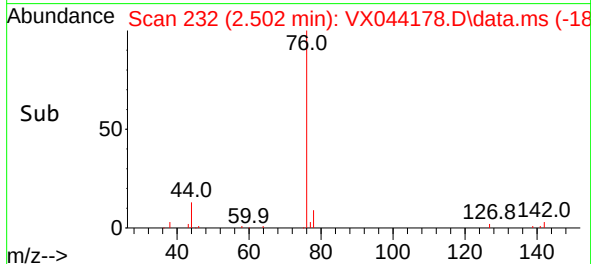
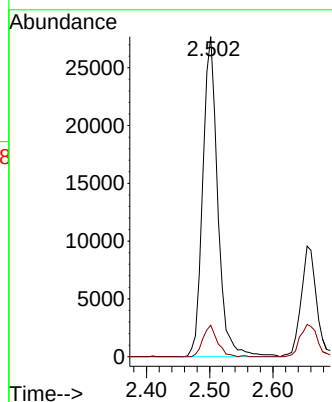
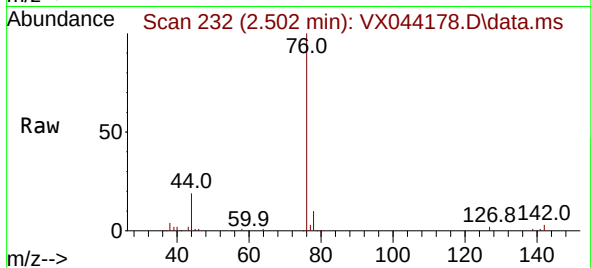




#17
Carbon Disulfide
Concen: 13.932 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

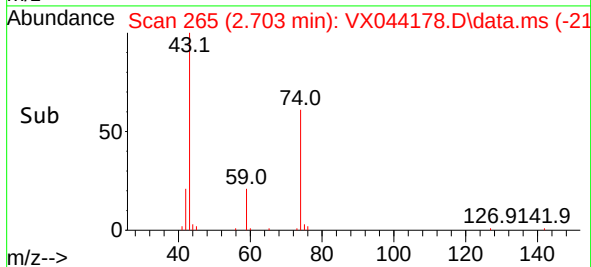
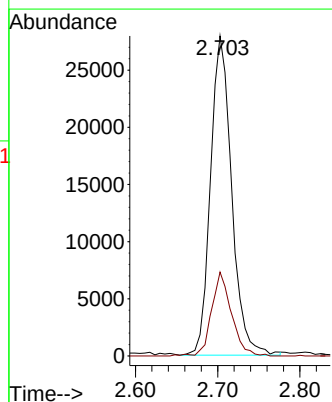
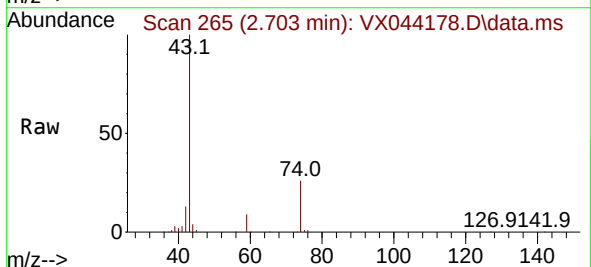
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

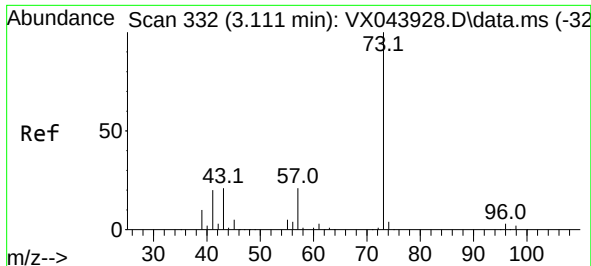
Tgt Ion: 76 Resp: 45722
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6



#18
Methyl Acetate
Concen: 19.766 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 50065
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3

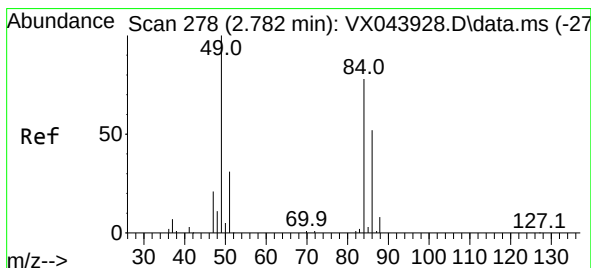
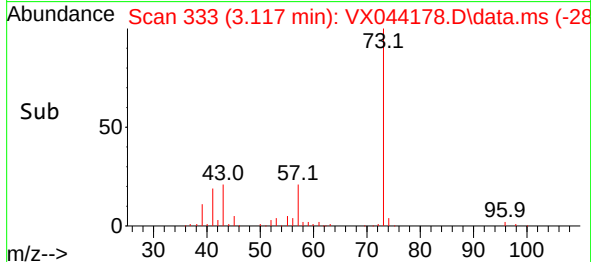
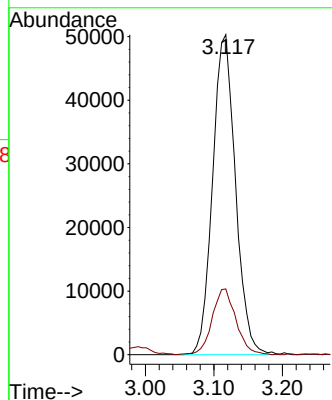
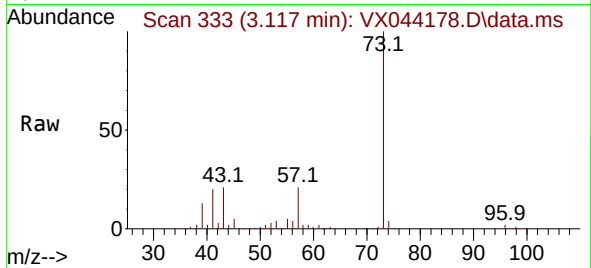




#19
Methyl tert-butyl Ether
Concen: 20.197 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

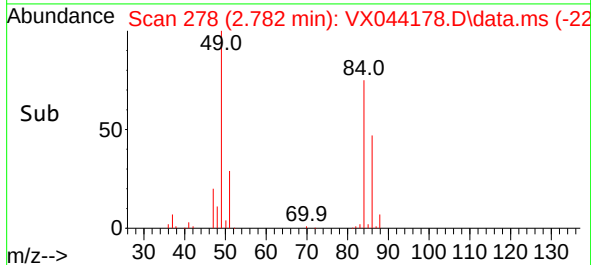
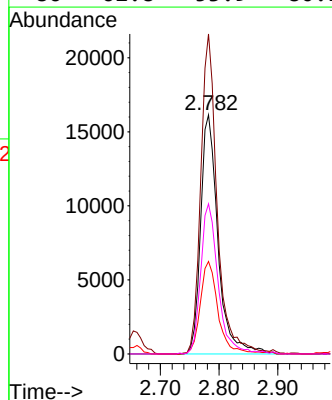
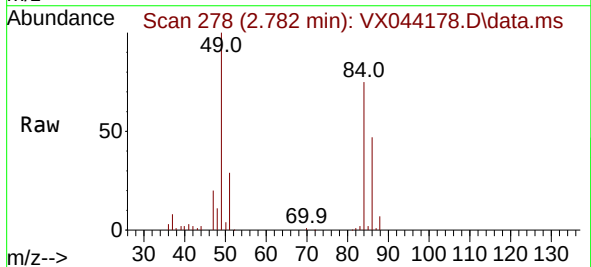
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

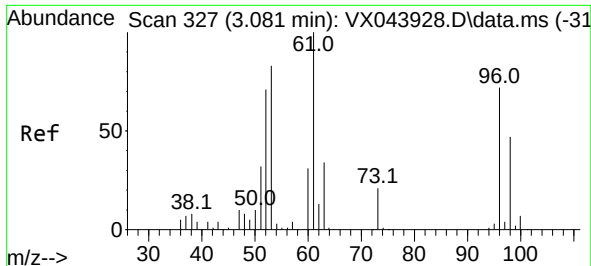
Tgt Ion: 73 Resp: 116673
Ion Ratio Lower Upper
73 100
57 20.5 17.0 25.6



#20
Methylene Chloride
Concen: 17.930 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 84 Resp: 33093
Ion Ratio Lower Upper
84 100
49 133.8 102.7 154.1
51 38.7 31.7 47.5
86 62.8 53.9 80.9

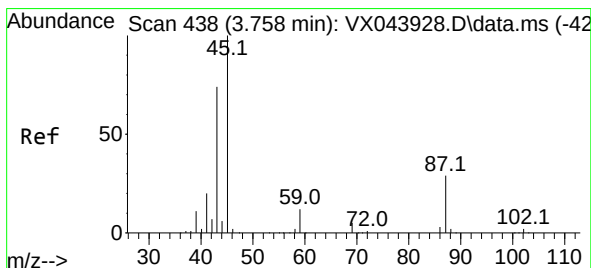
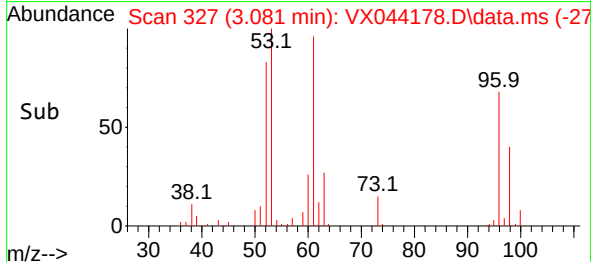
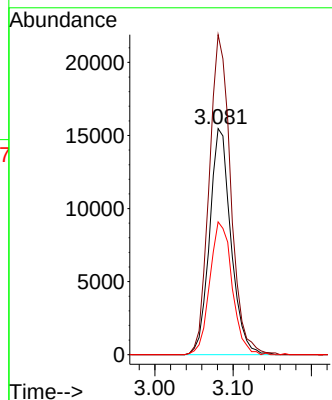
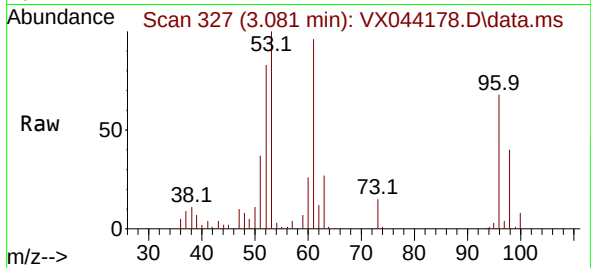




#21
trans-1,2-Dichloroethene
Concen: 17.839 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

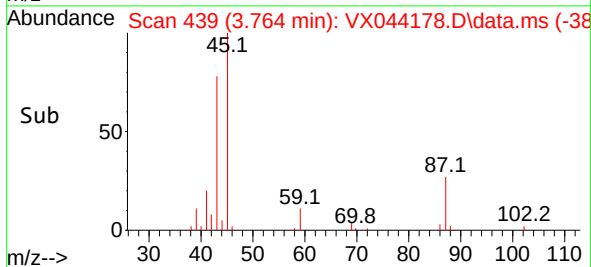
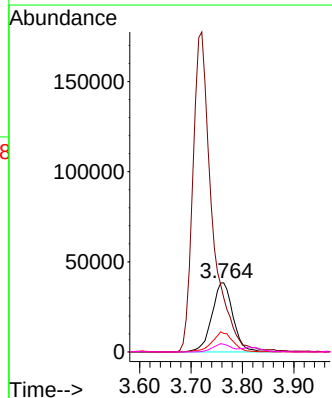
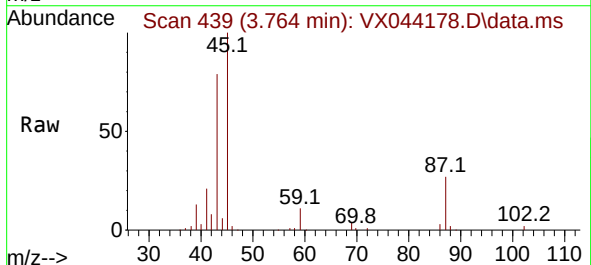
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

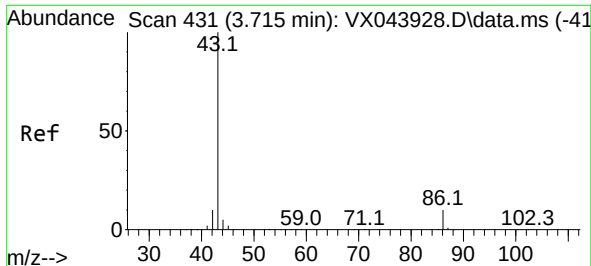
Tgt Ion: 96 Resp: 29302
Ion Ratio Lower Upper
96 100
61 141.6 111.8 167.6
98 58.7 52.7 79.1



#22
Diisopropyl ether
Concen: 19.695 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 45 Resp: 109479
Ion Ratio Lower Upper
45 100
43 76.5 59.6 89.4
87 26.8 22.9 34.3
59 11.1 9.8 14.6

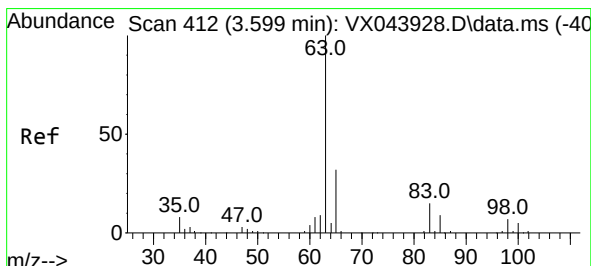
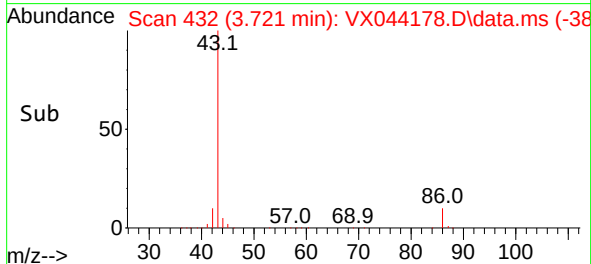
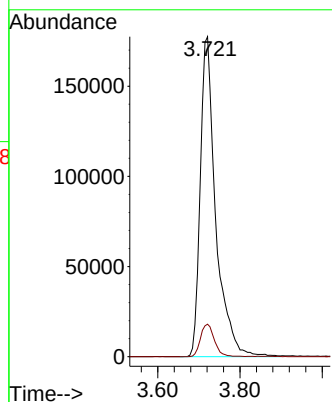
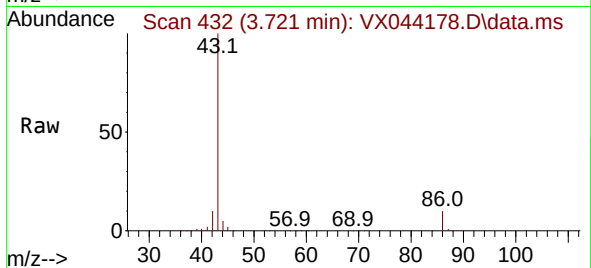




#23
 Vinyl Acetate
 Concen: 97.466 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

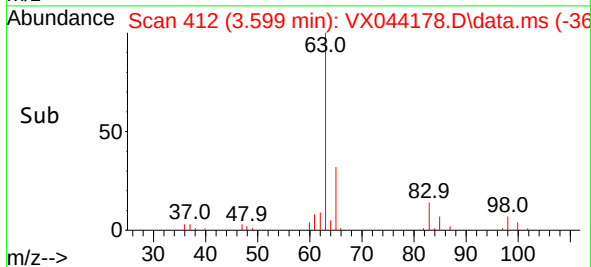
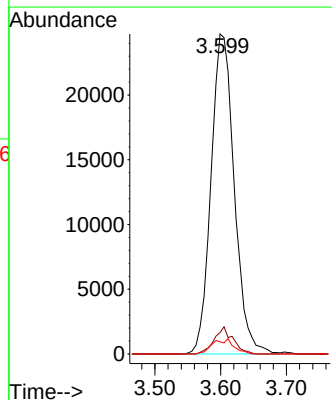
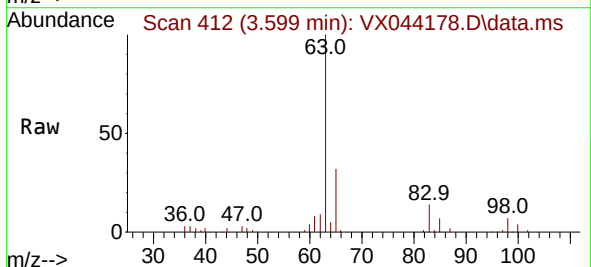
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

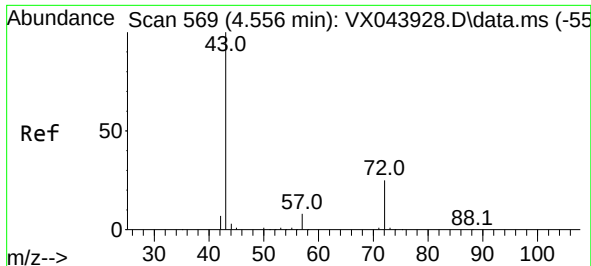
Tgt Ion: 43 Resp: 463465
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 18.969 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

Tgt Ion: 63 Resp: 60828
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.6
 100 3.8 2.4 7.1





#25

2-Butanone

Concen: 99.466 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

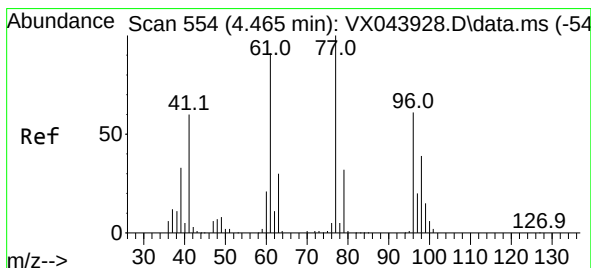
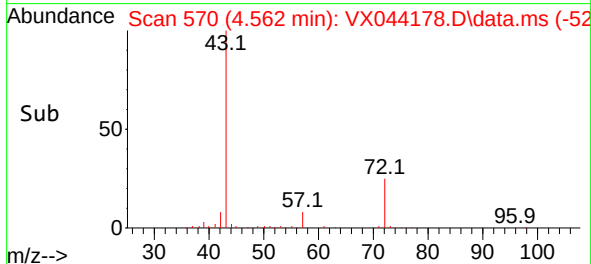
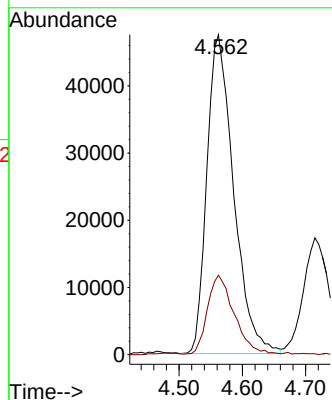
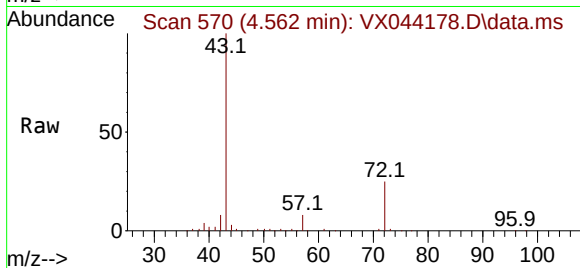
VX1209WBS01

Tgt Ion: 43 Resp: 139590

Ion Ratio Lower Upper

43 100

72 24.7 20.2 30.2



#26

2,2-Dichloropropane

Concen: 18.362 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX044178.D

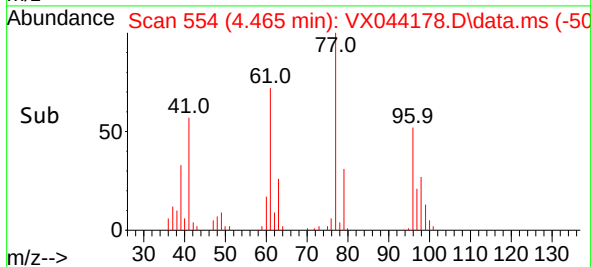
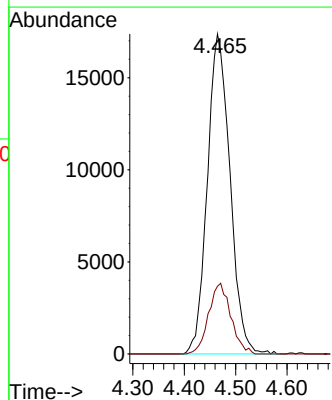
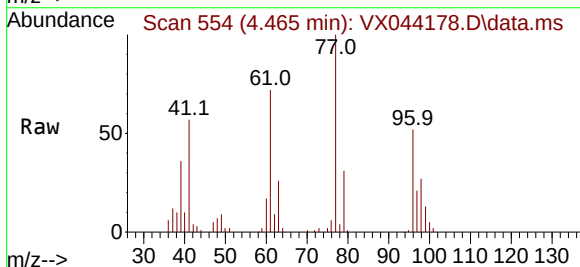
Acq: 09 Dec 2024 11:24

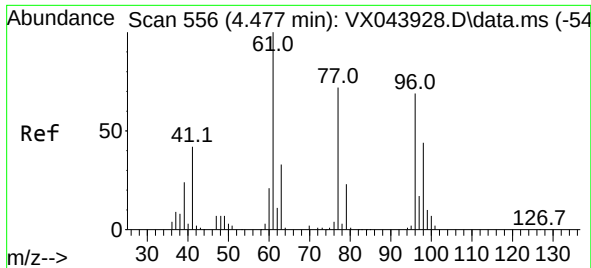
Tgt Ion: 77 Resp: 53179

Ion Ratio Lower Upper

77 100

97 21.7 10.8 32.3

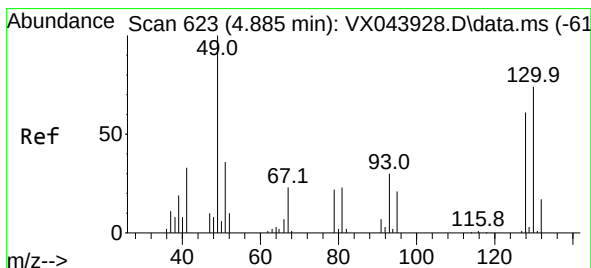
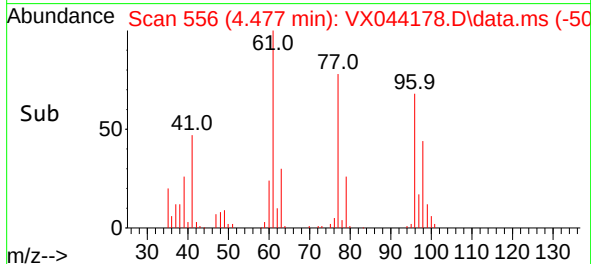
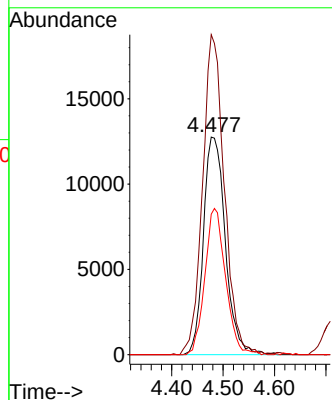
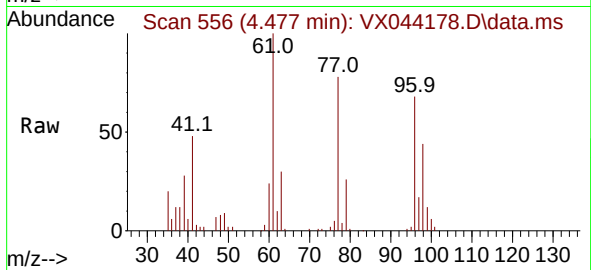




#27
cis-1,2-Dichloroethene
Concen: 18.536 ug/l
RT: 4.477 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

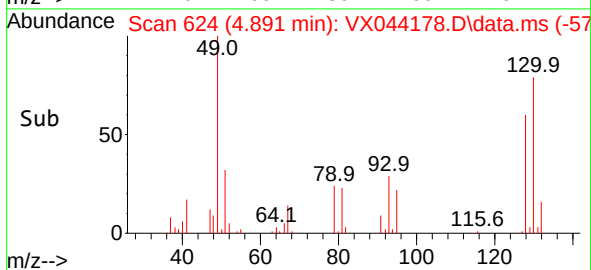
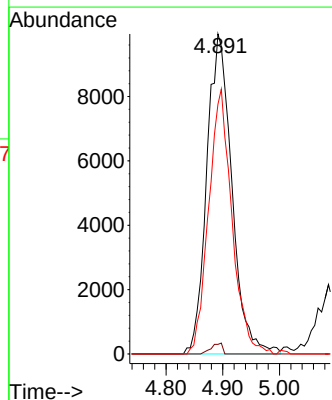
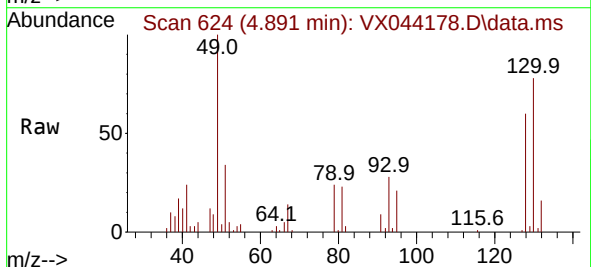
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

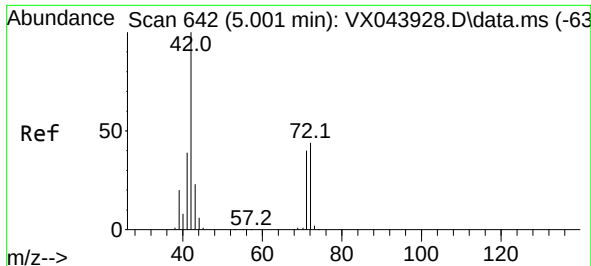
Tgt Ion:	96	Resp:	37635
Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	297.4
98	63.8	0.0	127.8



#28
Bromochloromethane
Concen: 21.678 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:	49	Resp:	30600
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	76.8	59.0	88.6





#29

Tetrahydrofuran

Concen: 98.634 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

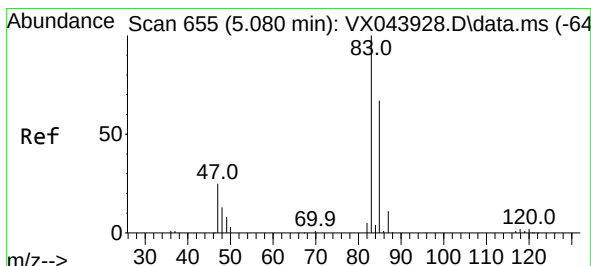
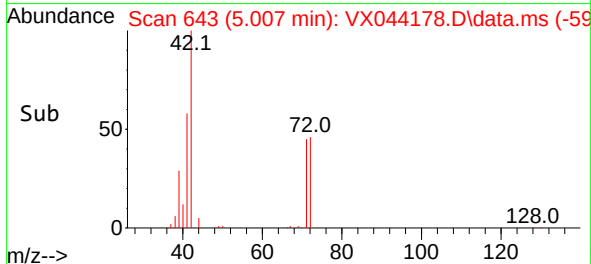
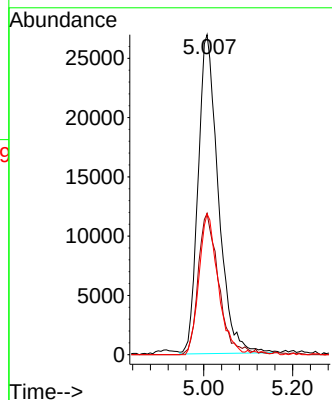
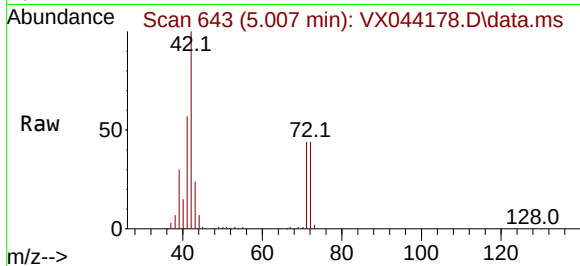
Tgt Ion: 42 Resp: 84862

Ion Ratio Lower Upper

42 100

72 44.7 36.4 54.6

71 42.0 33.4 50.0



#30

Chloroform

Concen: 19.440 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044178.D

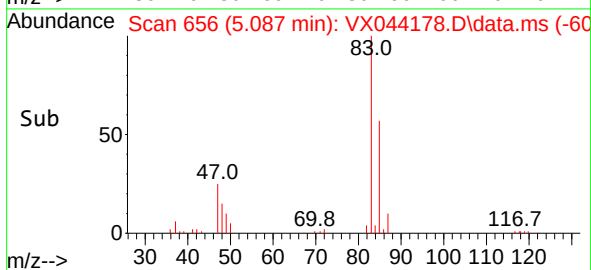
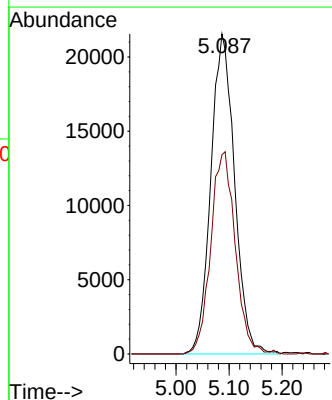
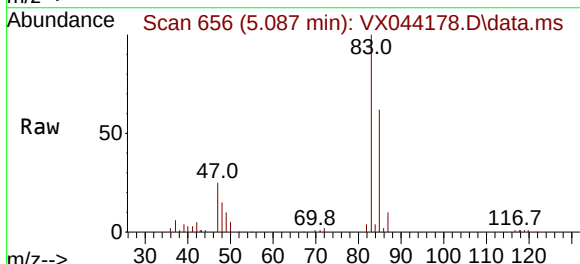
Acq: 09 Dec 2024 11:24

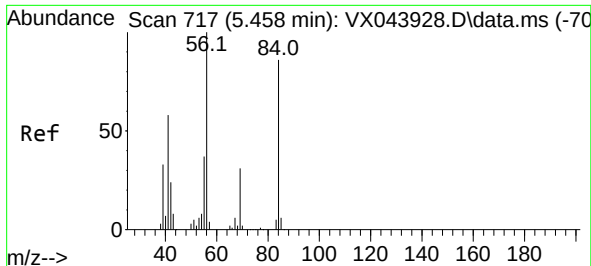
Tgt Ion: 83 Resp: 67049

Ion Ratio Lower Upper

83 100

85 62.2 53.5 80.3

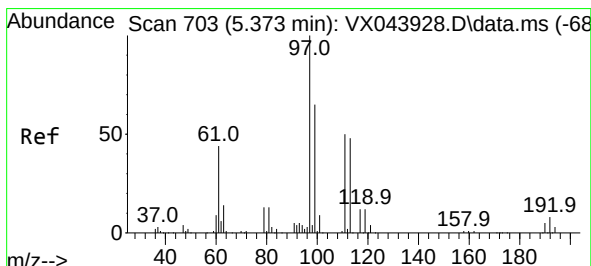
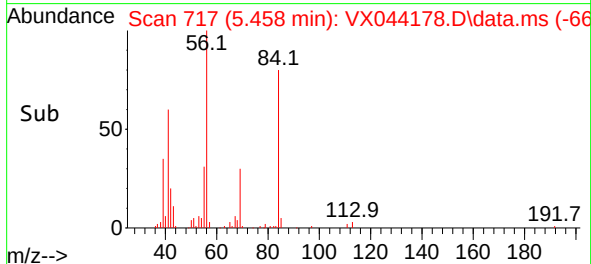
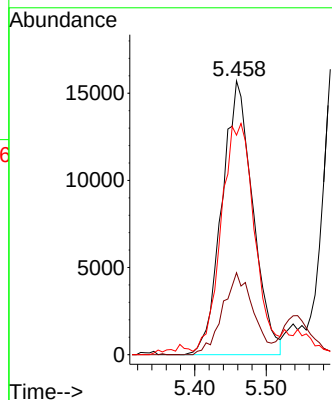
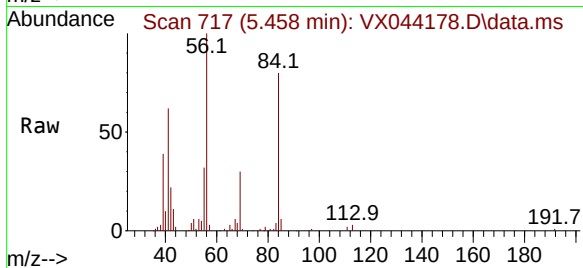




#31
Cyclohexane
Concen: 17.949 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

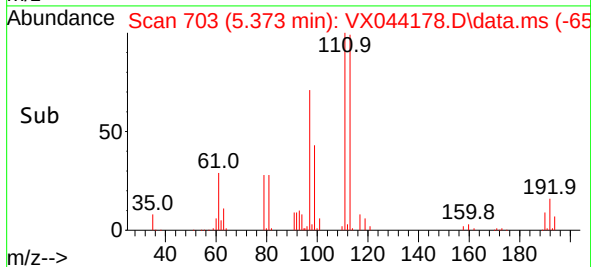
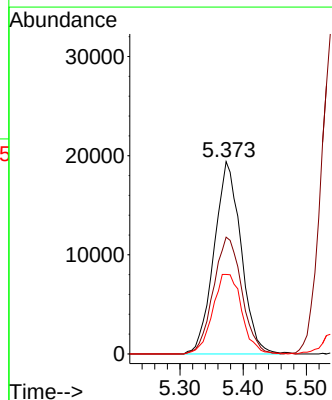
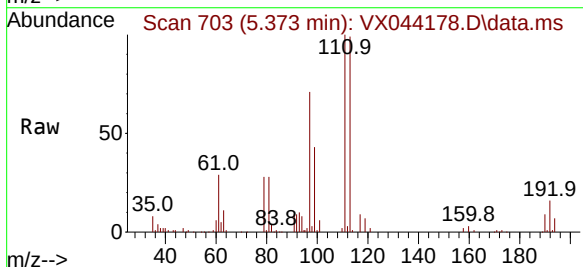
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

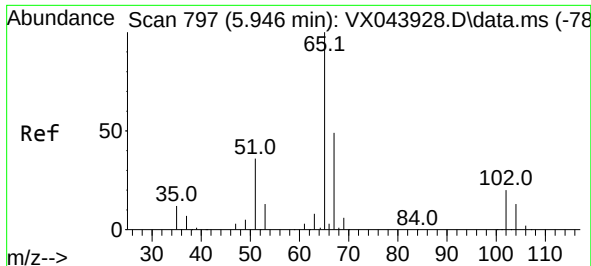
Tgt Ion: 56 Resp: 47372
Ion Ratio Lower Upper
56 100
69 29.9 24.7 37.1
84 76.1 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 19.322 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 97 Resp: 57469
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 44.5 35.4 53.2

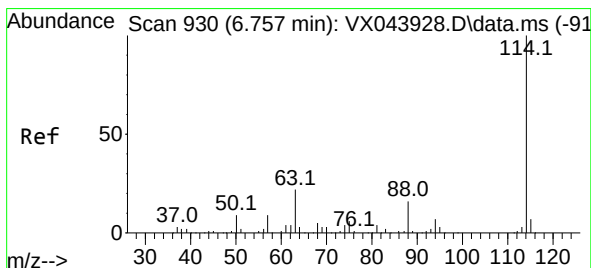
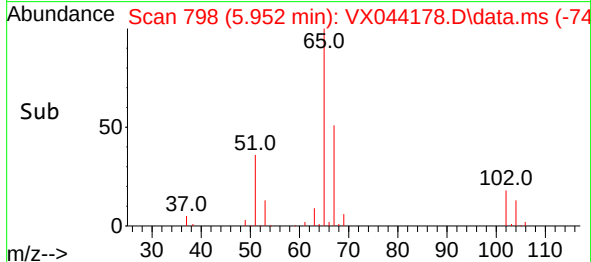
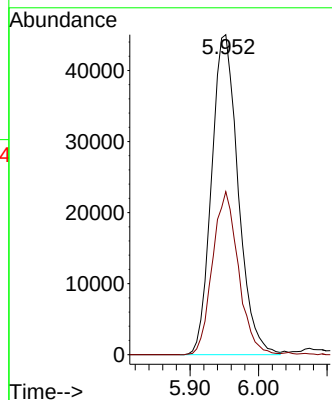
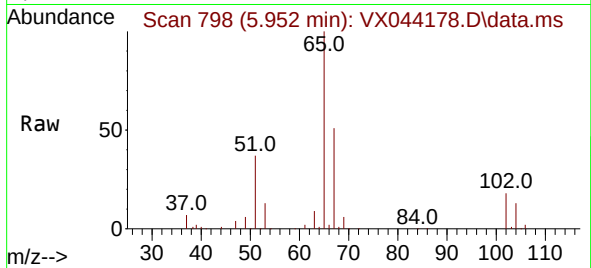




#33
 1,2-Dichloroethane-d4
 Concen: 51.209 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

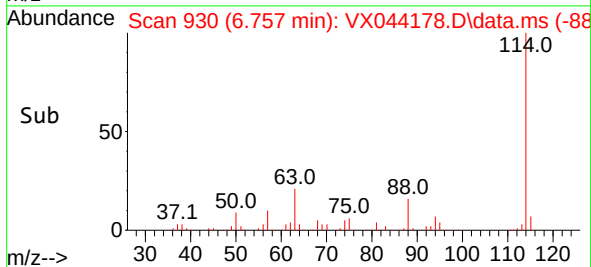
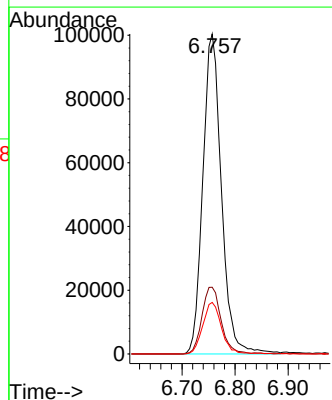
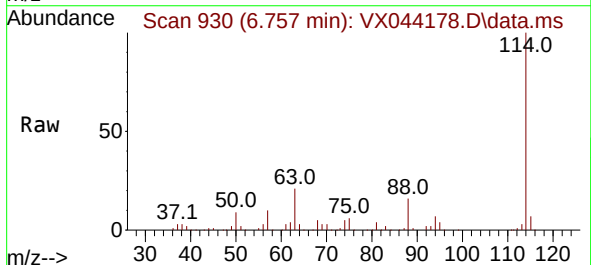
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

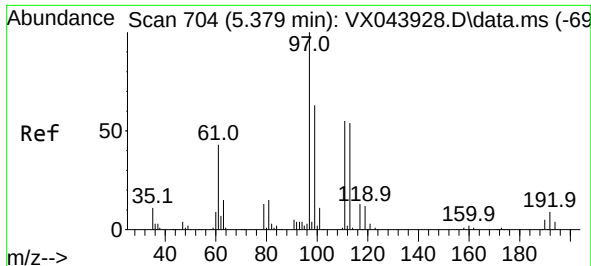
Tgt Ion: 65 Resp: 121268
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

Tgt Ion: 114 Resp: 244472
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 44.0
 88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.357 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044178.D

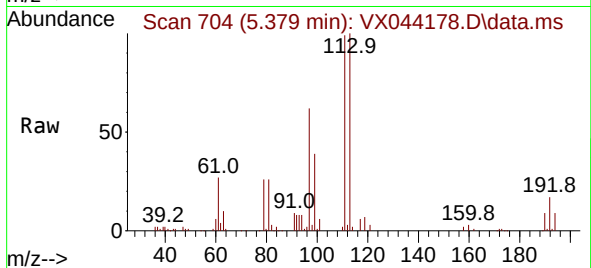
Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01



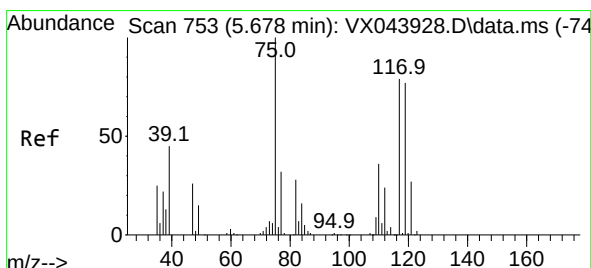
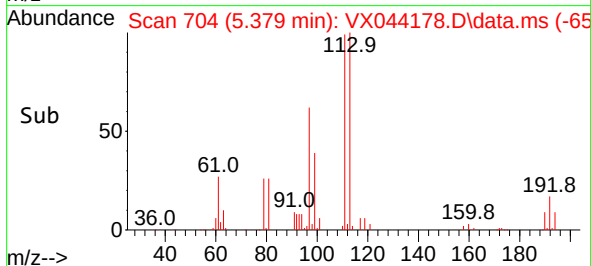
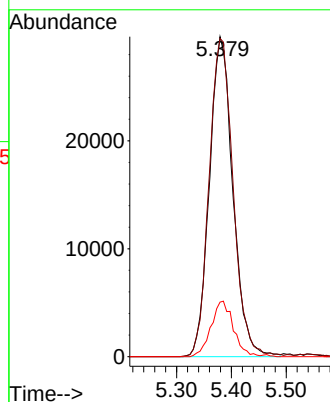
Tgt Ion:113 Resp: 87968

Ion Ratio Lower Upper

113 100

111 102.0 81.0 121.4

192 16.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 18.937 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

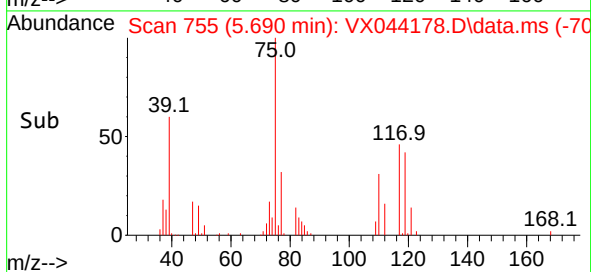
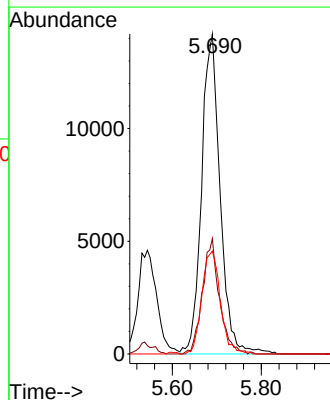
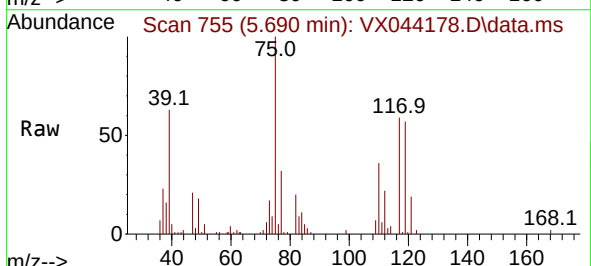
Tgt Ion: 75 Resp: 41223

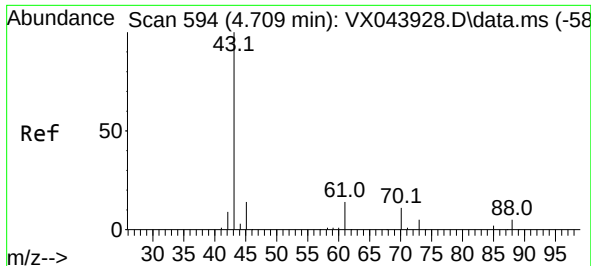
Ion Ratio Lower Upper

75 100

110 33.2 17.4 52.2

77 32.2 25.8 38.8





#37

Ethyl Acetate

Concen: 19.266 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

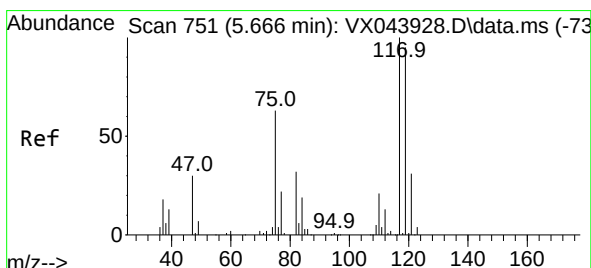
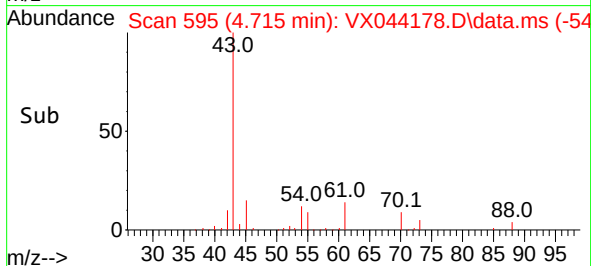
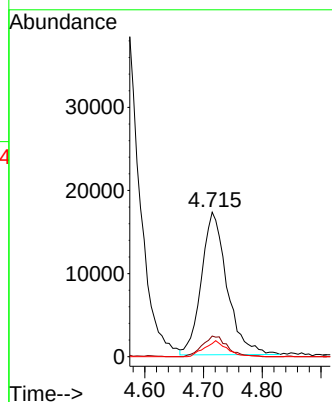
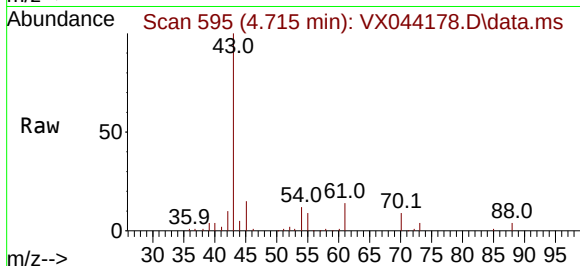
Tgt Ion: 43 Resp: 52058

Ion Ratio Lower Upper

43 100

61 14.0 10.7 16.1

70 9.9 8.0 12.0



#38

Carbon Tetrachloride

Concen: 18.208 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

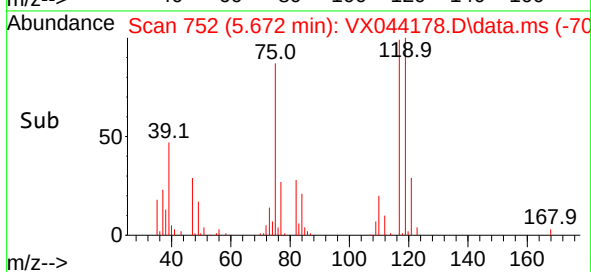
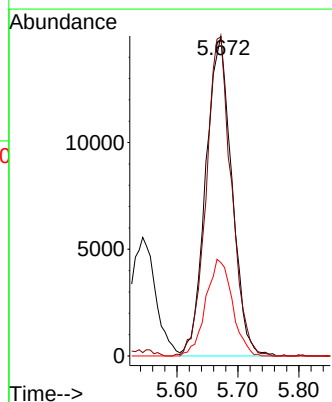
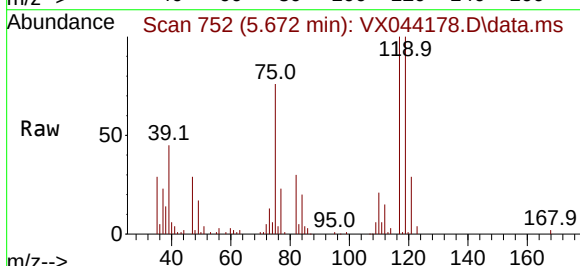
Tgt Ion: 117 Resp: 44537

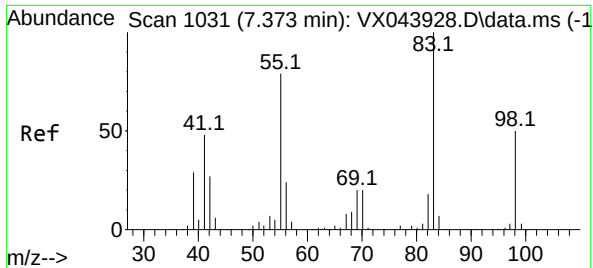
Ion Ratio Lower Upper

117 100

119 99.7 75.2 112.8

121 29.2 24.5 36.7

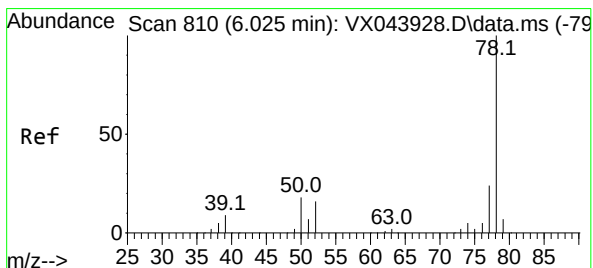
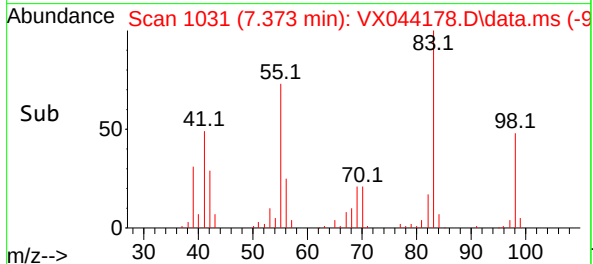
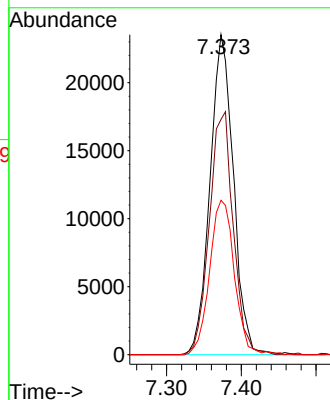
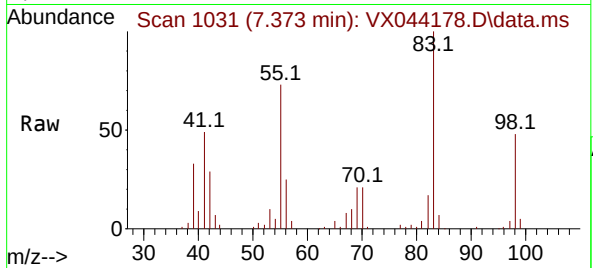




#39
Methylcyclohexane
Concen: 18.100 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

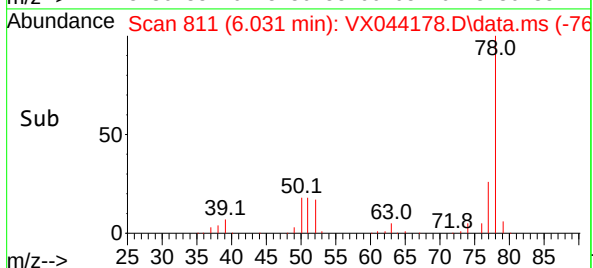
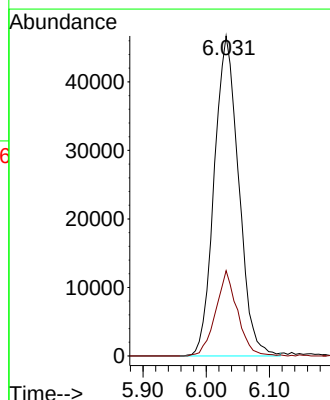
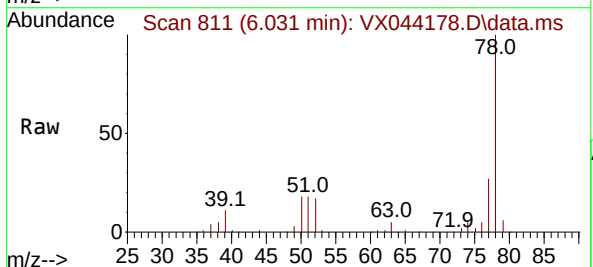
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

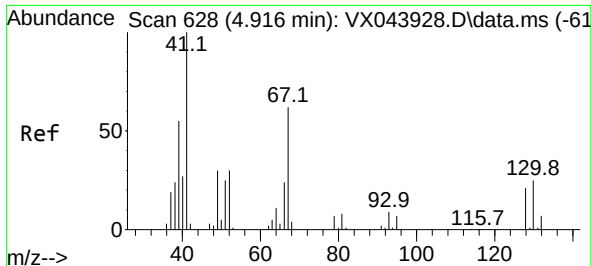
Tgt Ion: 83	Resp: 51187
Ion Ratio	Lower Upper
83 100	
55 73.5	63.1 94.7
98 48.3	40.0 60.0



#40
Benzene
Concen: 18.484 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 78	Resp: 125330
Ion Ratio	Lower Upper
78 100	
77 26.7	19.2 28.8

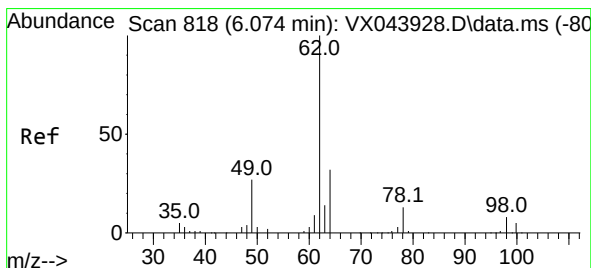
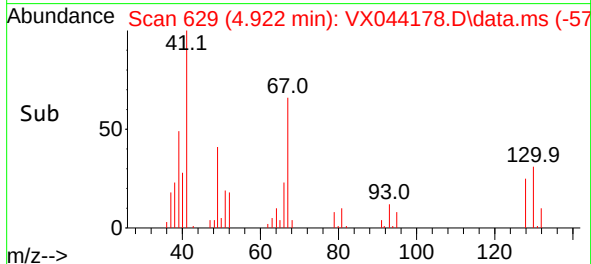
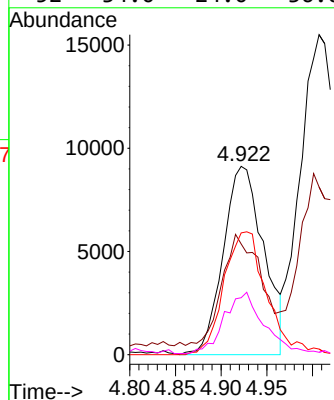
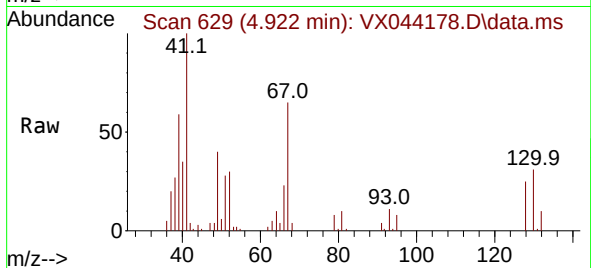




#41
Methacrylonitrile
Concen: 20.290 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

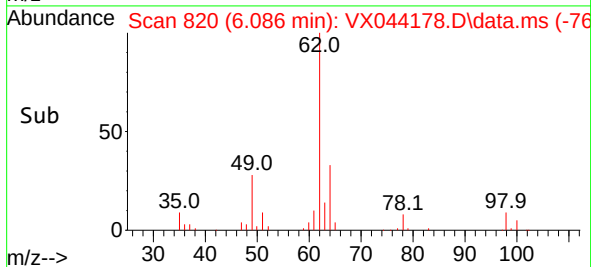
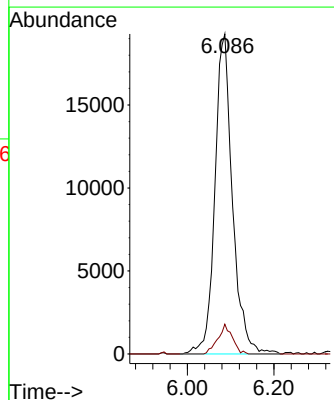
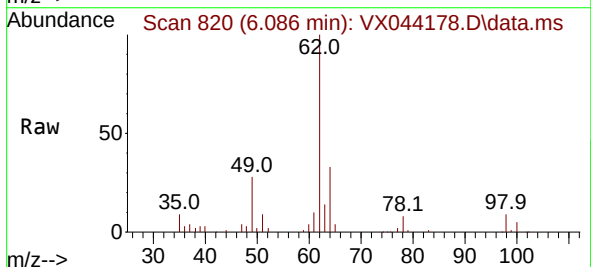
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

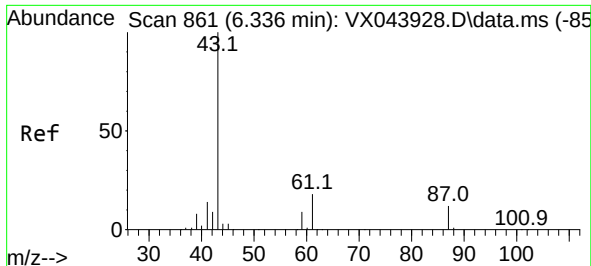
Tgt Ion: 41	Resp: 28061
Ion Ratio	Lower Upper
41	100
39	58.2 41.7 62.5
67	69.2 55.8 83.8
52	34.0 24.0 36.0



#42
1,2-Dichloroethane
Concen: 19.961 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 62	Resp: 54359
Ion Ratio	Lower Upper
62	100
98	7.6 0.0 16.4

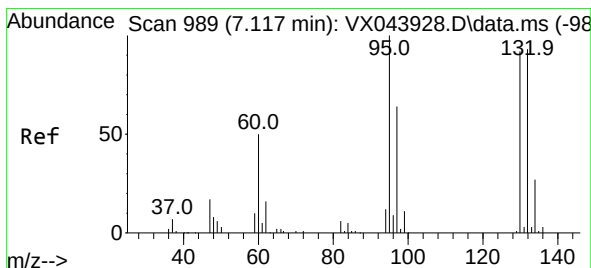
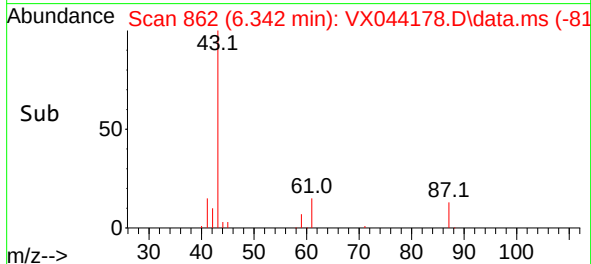
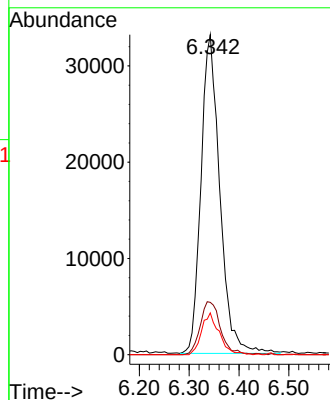
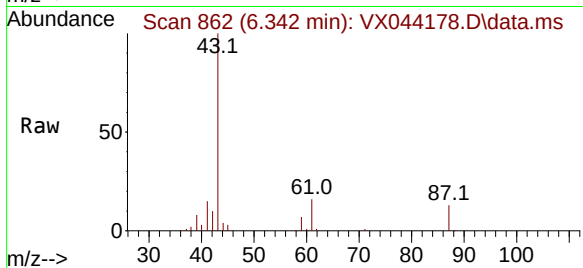




#43
Isopropyl Acetate
Concen: 20.241 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

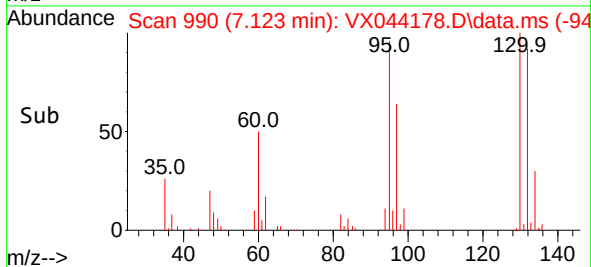
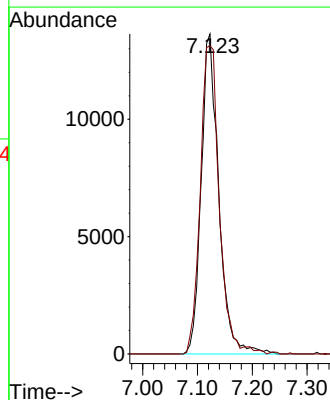
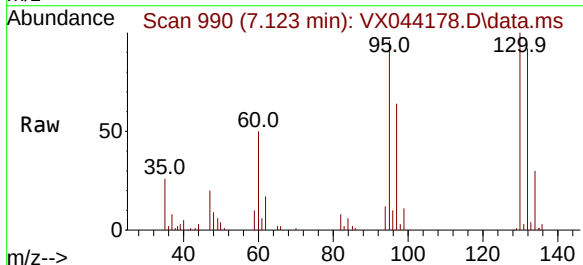
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

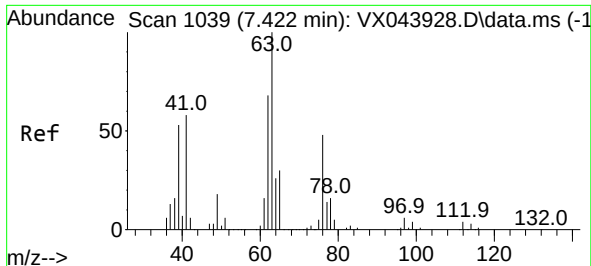
Tgt Ion: 43 Resp: 87044
Ion Ratio Lower Upper
43 100
61 17.8 14.5 21.7
87 12.2 10.2 15.2



#44
Trichloroethene
Concen: 15.824 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:130 Resp: 30375
Ion Ratio Lower Upper
130 100
95 96.3 0.0 217.8





#45

1,2-Dichloropropane

Concen: 19.160 ug/l

RT: 7.428 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

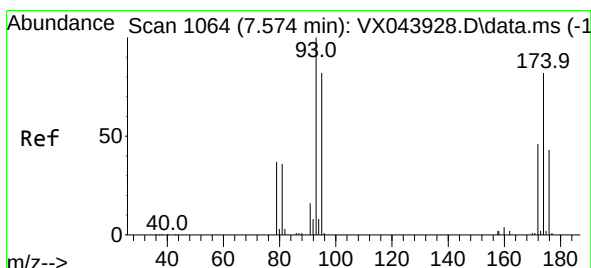
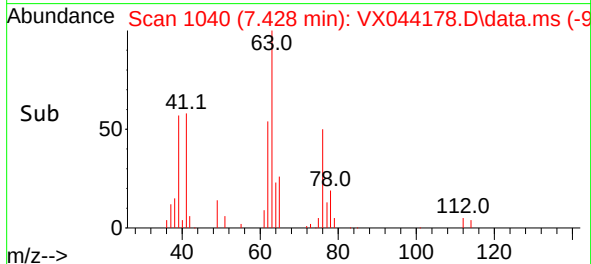
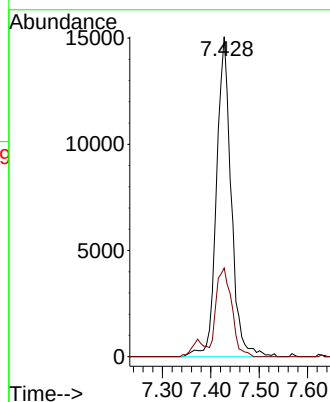
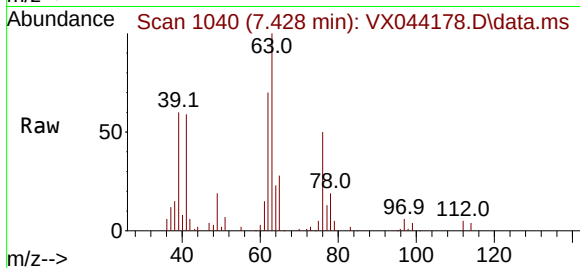
VX1209WBS01

Tgt Ion: 63 Resp: 31819

Ion Ratio Lower Upper

63 100

65 27.7 23.8 35.6



#46

Dibromomethane

Concen: 19.545 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

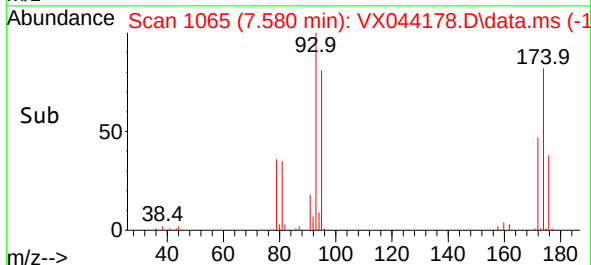
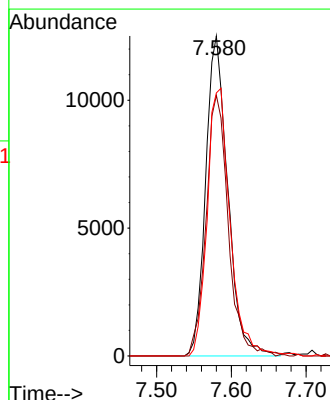
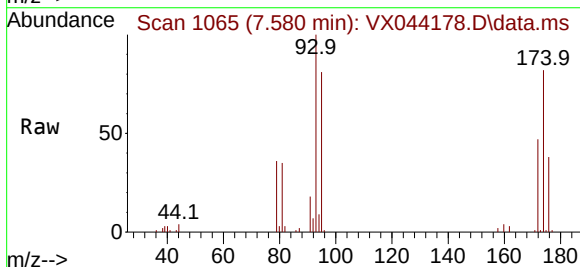
Tgt Ion: 93 Resp: 25677

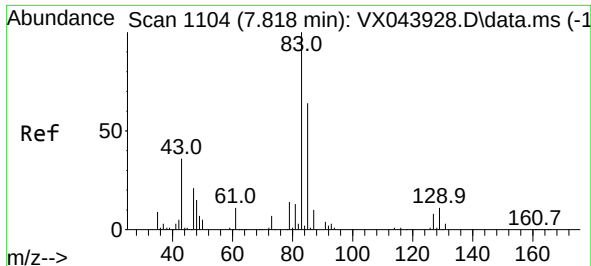
Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

174 87.2 69.6 104.4

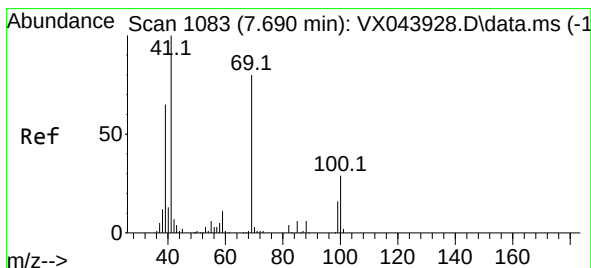
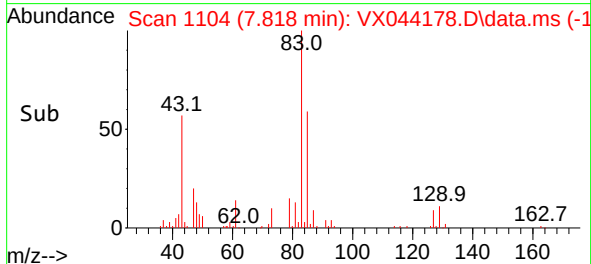
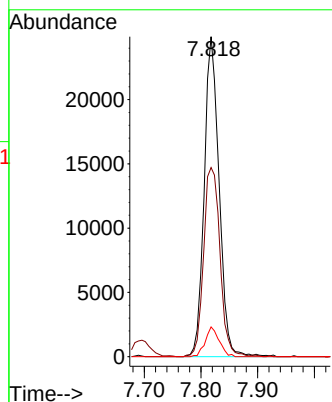
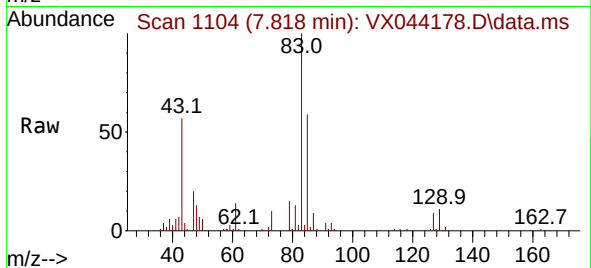




#47
Bromodichloromethane
Concen: 19.274 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

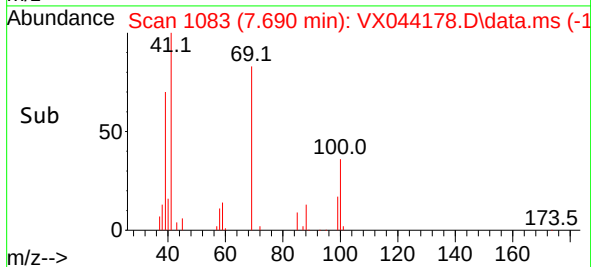
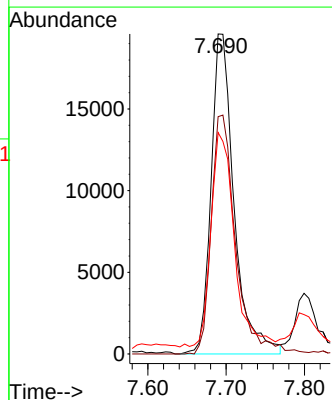
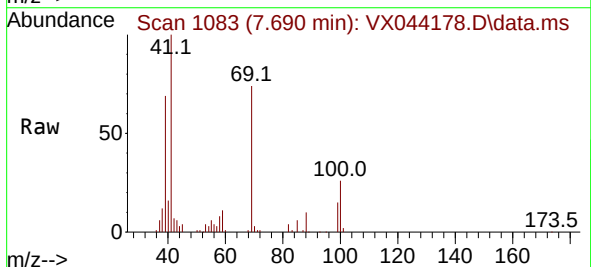
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

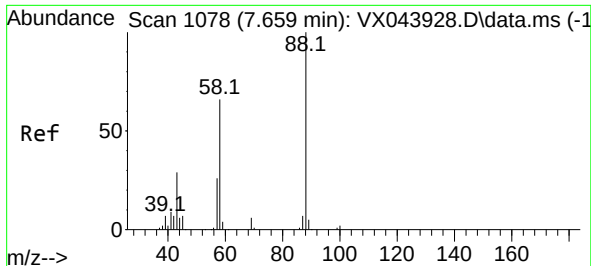
Tgt Ion:	83	Resp:	45411
Ion	Ratio	Lower	Upper
83	100		
85	59.1	51.4	77.0
127	9.3	6.6	10.0



#48
Methyl methacrylate
Concen: 19.369 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:	41	Resp:	39967
Ion	Ratio	Lower	Upper
41	100		
69	79.1	64.6	97.0
39	68.0	53.3	79.9





#49

1,4-Dioxane

Concen: 272.034 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

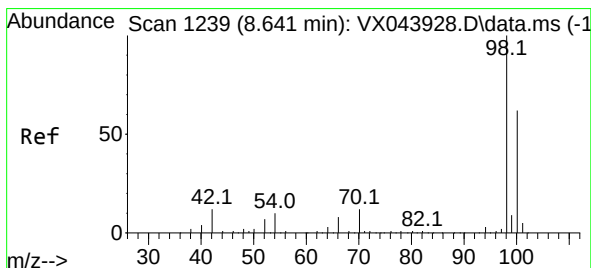
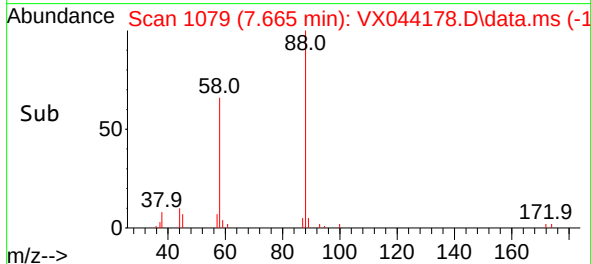
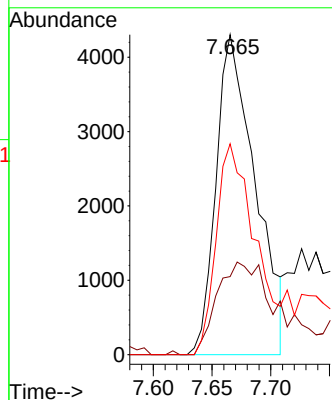
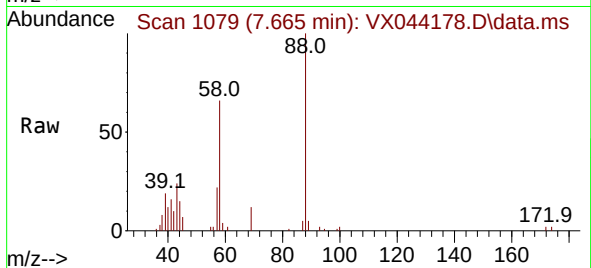
Tgt Ion: 88 Resp: 9999

Ion Ratio Lower Upper

88 100

43 44.3 26.8 40.2#

58 65.9 45.4 68.2



#50

Toluene-d8

Concen: 48.674 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044178.D

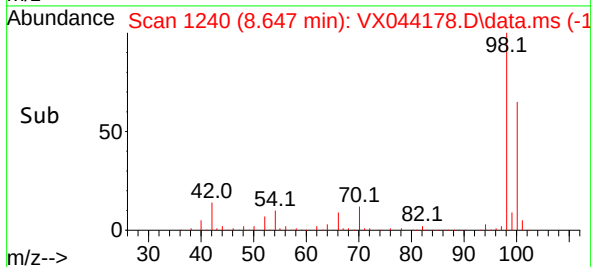
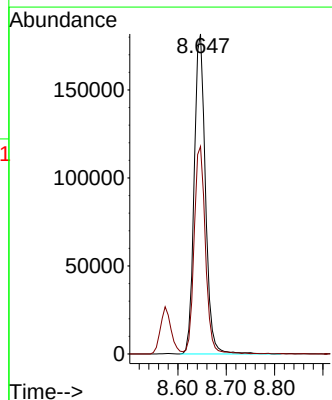
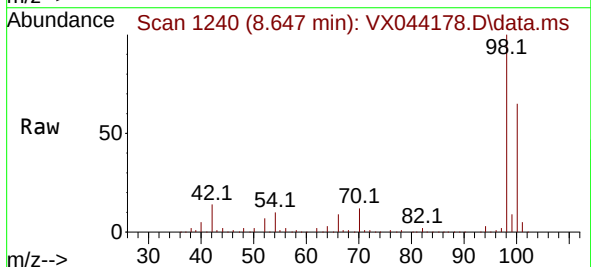
Acq: 09 Dec 2024 11:24

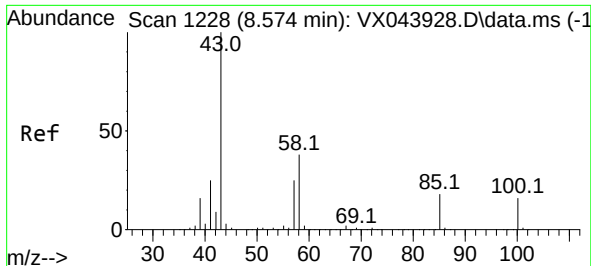
Tgt Ion: 98 Resp: 293099

Ion Ratio Lower Upper

98 100

100 64.9 52.6 79.0

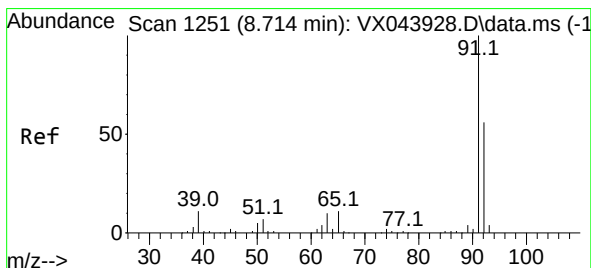
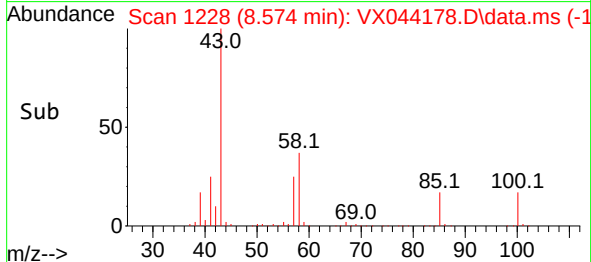
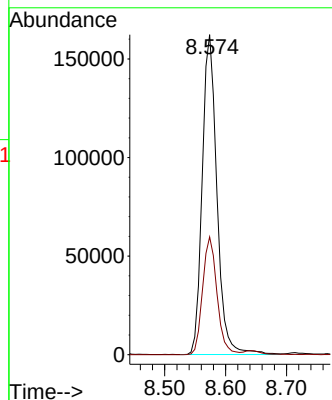
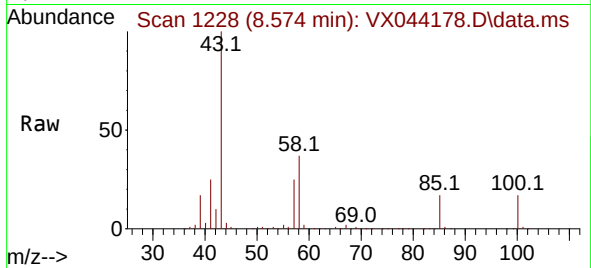




#51
4-Methyl-2-Pentanone
Concen: 103.922 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

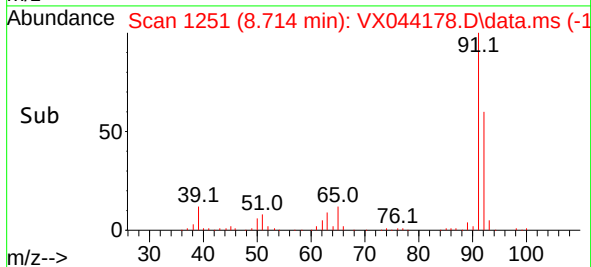
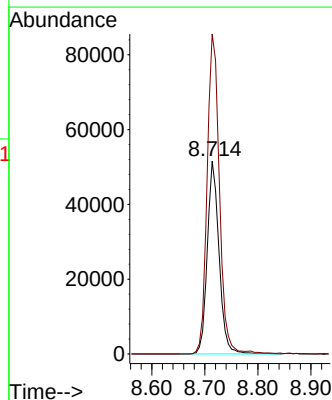
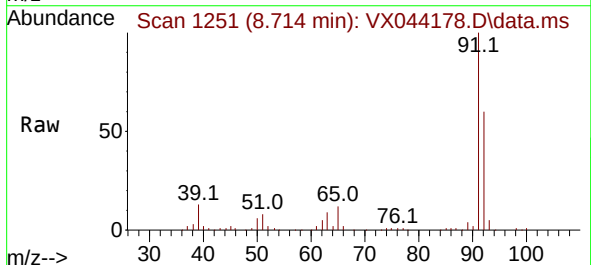
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

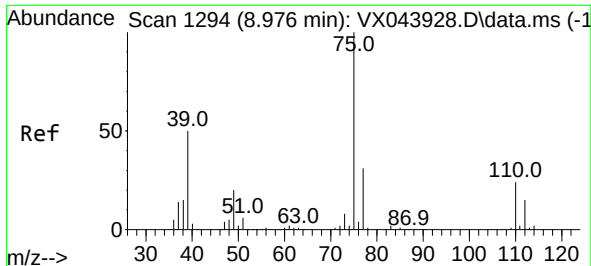
Tgt Ion: 43 Resp: 272719
Ion Ratio Lower Upper
43 100
58 36.0 30.0 45.0



#52
Toluene
Concen: 19.596 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 92 Resp: 79528
Ion Ratio Lower Upper
92 100
91 173.4 139.7 209.5

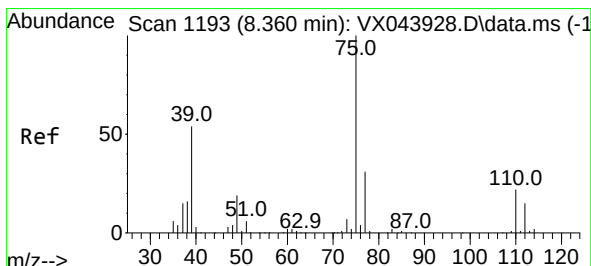
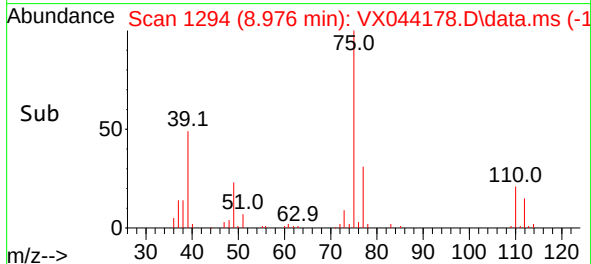
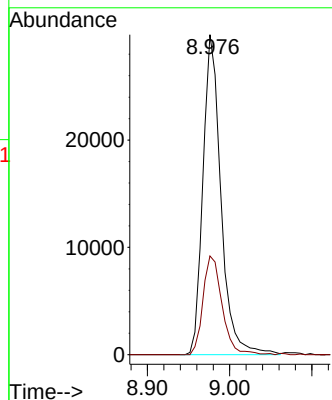
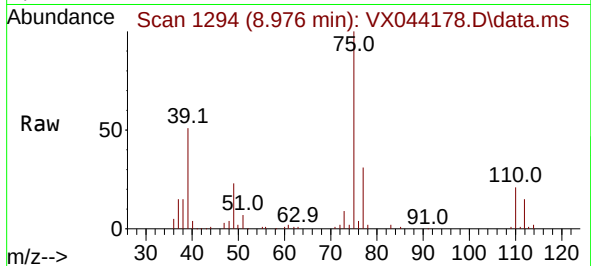




#53
t-1,3-Dichloropropene
Concen: 18.899 ug/l
RT: 8.976 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

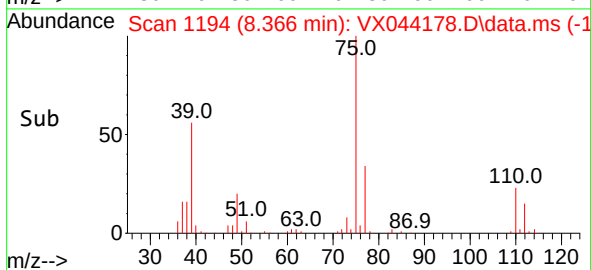
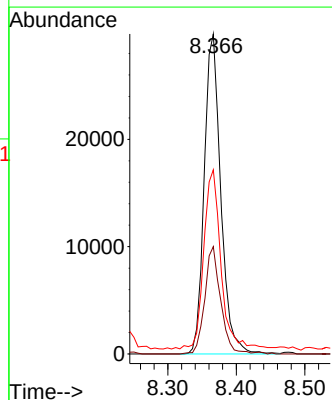
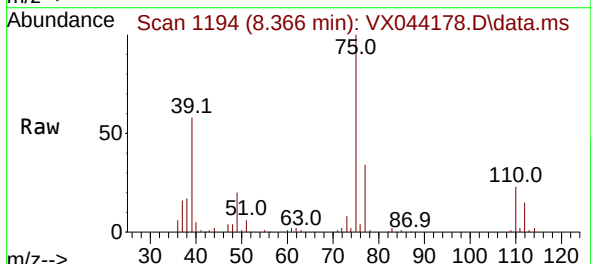
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

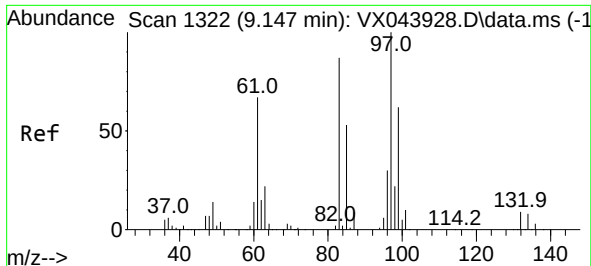
Tgt Ion: 75 Resp: 45407
Ion Ratio Lower Upper
75 100
77 30.8 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 19.063 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 50210
Ion Ratio Lower Upper
75 100
77 33.5 25.2 37.8
39 55.9 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 19.411 ug/l

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

Tgt Ion: 97 Resp: 32520

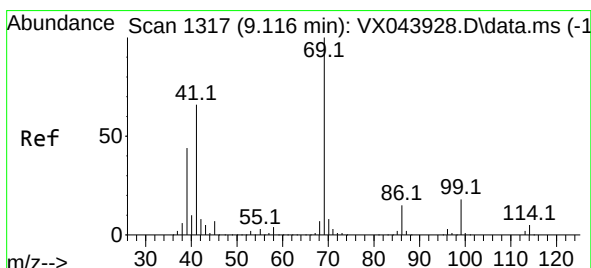
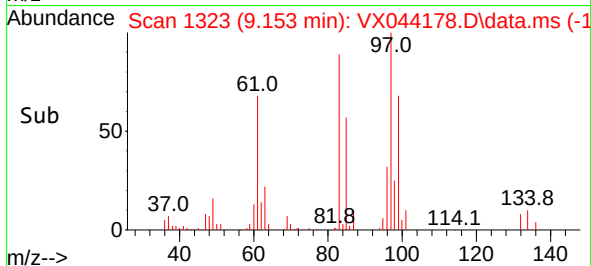
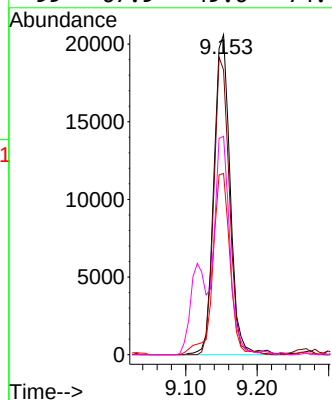
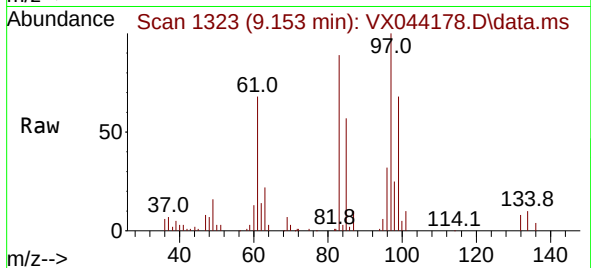
Ion Ratio Lower Upper

97 100

83 88.9 69.4 104.0

85 56.7 42.3 63.5

99 67.9 49.6 74.4



#56

Ethyl methacrylate

Concen: 20.168 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

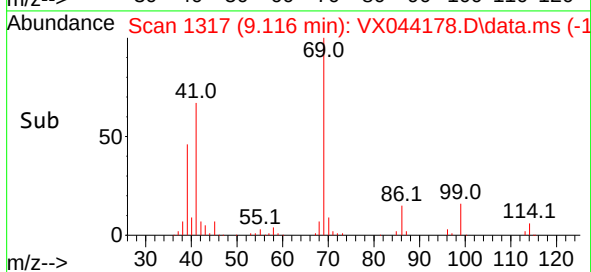
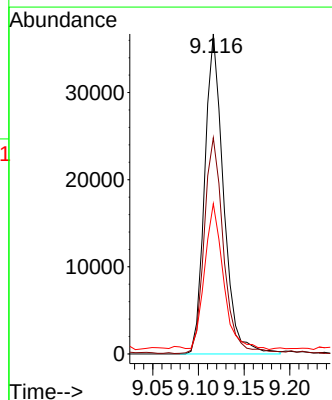
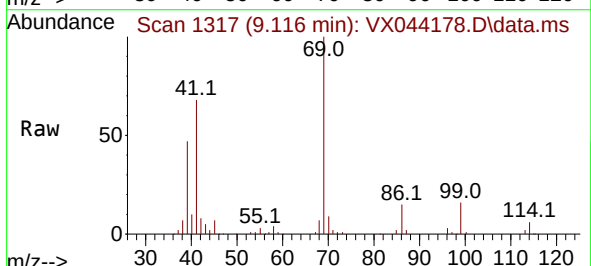
Tgt Ion: 69 Resp: 52628

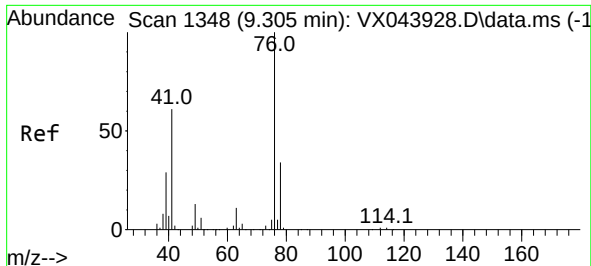
Ion Ratio Lower Upper

69 100

41 68.9 55.8 83.8

39 45.3 36.7 55.1

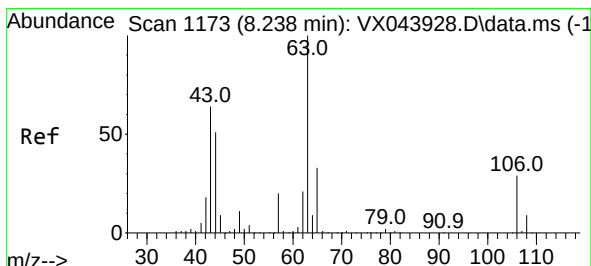
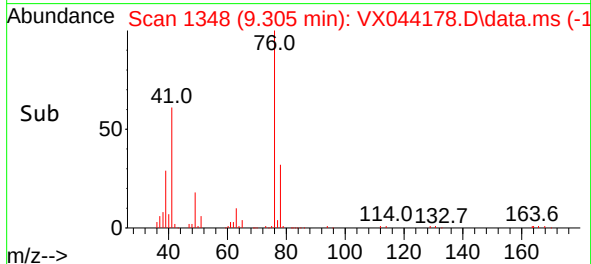
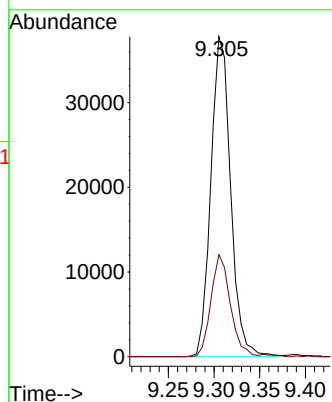
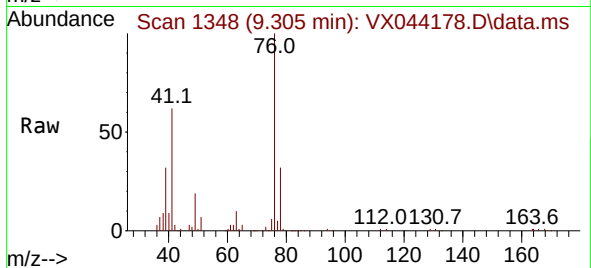




#57
1,3-Dichloropropane
Concen: 20.148 ug/l
RT: 9.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

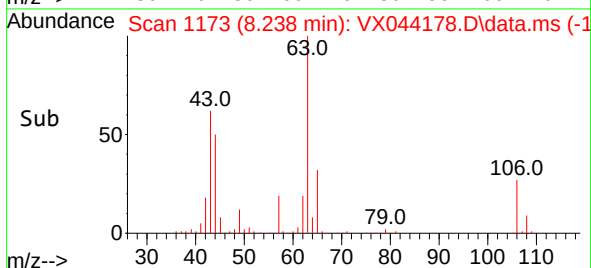
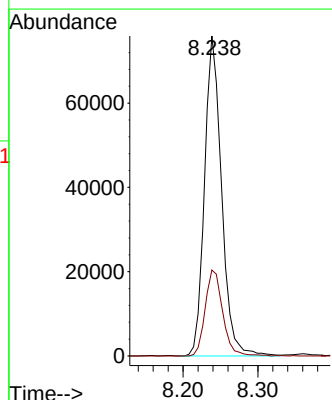
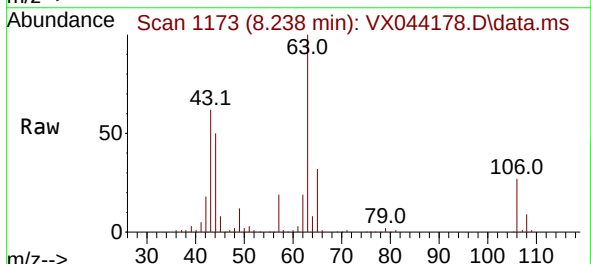
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

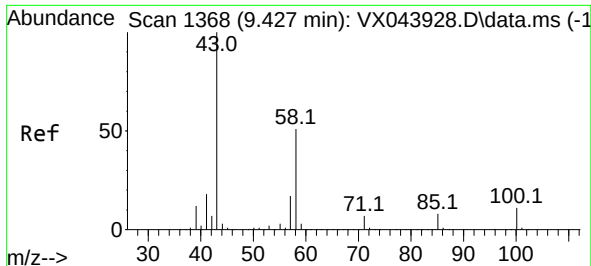
Tgt Ion: 76 Resp: 56861
Ion Ratio Lower Upper
76 100
78 31.1 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 83.607 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 63 Resp: 120482
Ion Ratio Lower Upper
63 100
106 27.6 23.0 34.6

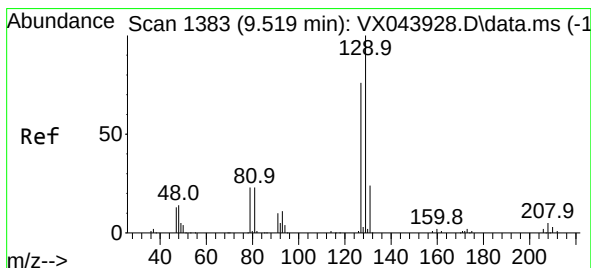
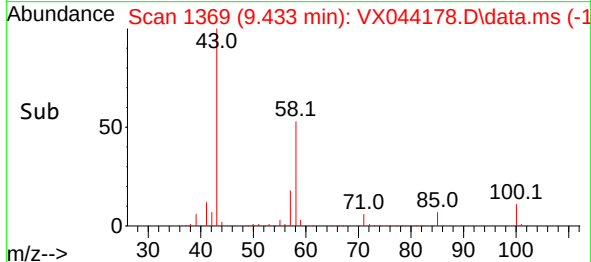
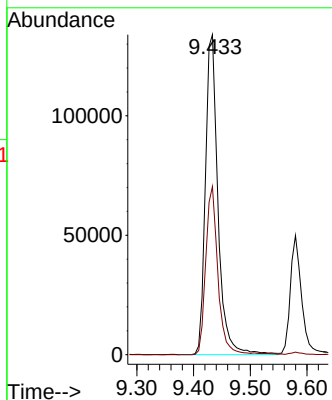
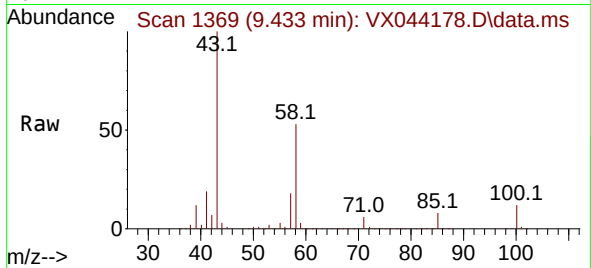




#59
2-Hexanone
Concen: 104.575 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

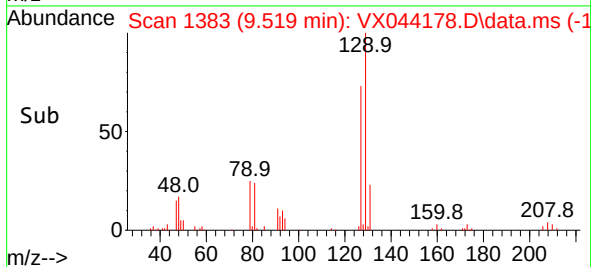
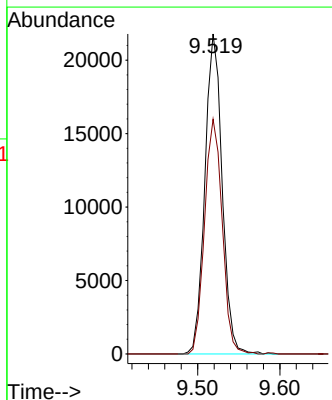
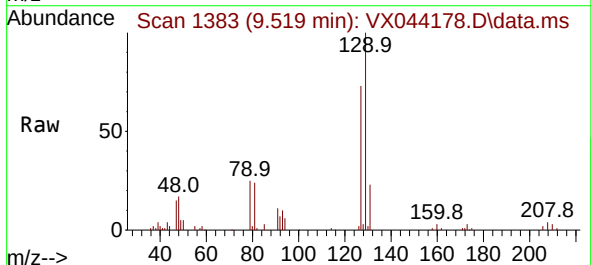
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

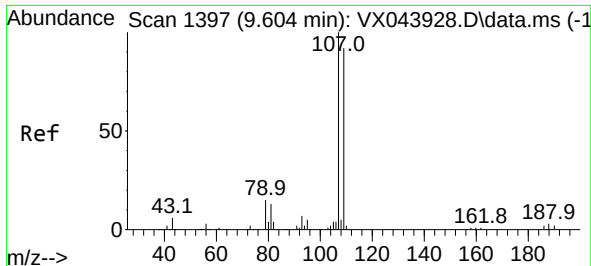
Tgt Ion: 43 Resp: 206270
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6



#60
Dibromochloromethane
Concen: 18.890 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 129 Resp: 31752
Ion Ratio Lower Upper
129 100
127 75.0 38.2 114.6

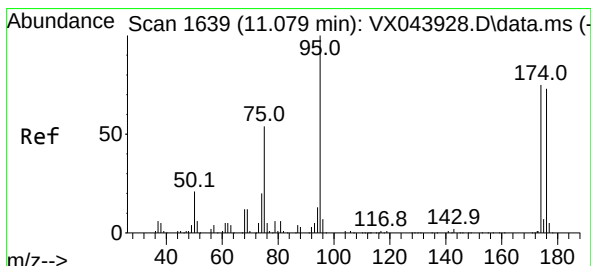
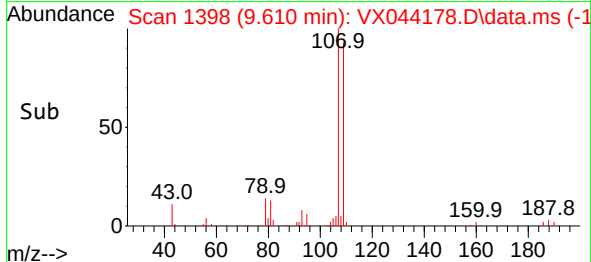
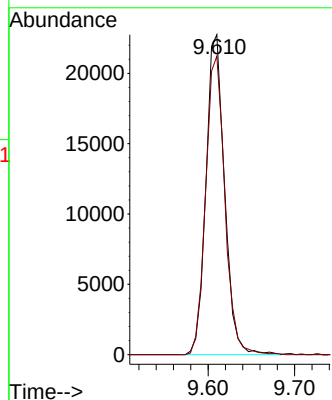
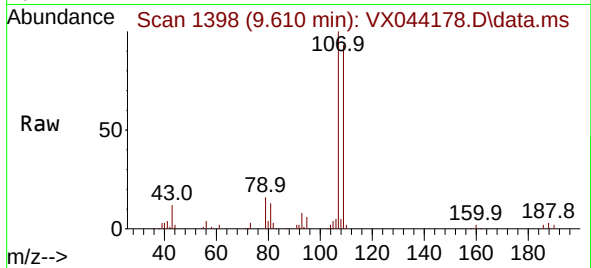




#61
1,2-Dibromoethane
Concen: 19.995 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

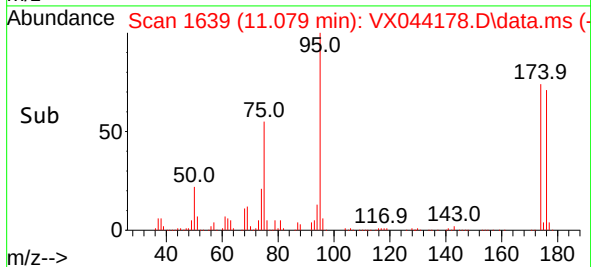
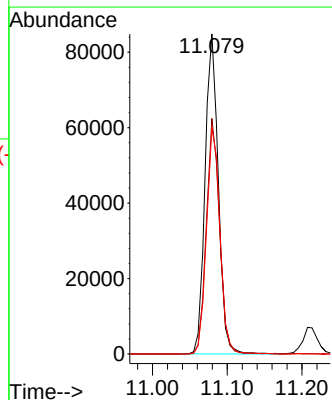
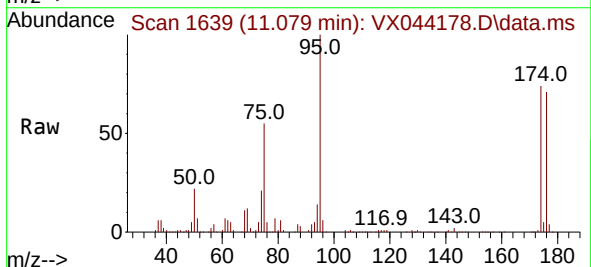
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

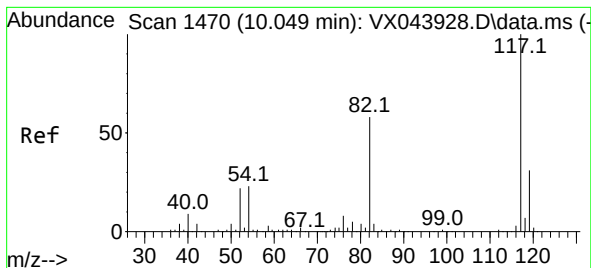
Tgt Ion:107 Resp: 33872
Ion Ratio Lower Upper
107 100
109 96.5 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 50.849 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 95 Resp: 104206
Ion Ratio Lower Upper
95 100
174 73.4 0.0 150.4
176 72.0 0.0 146.0

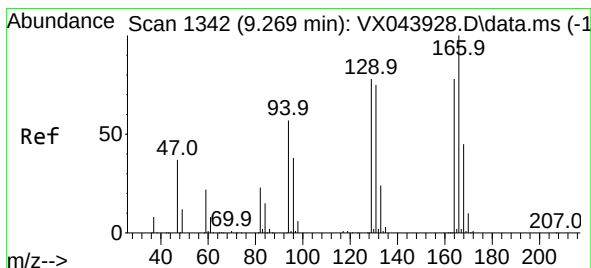
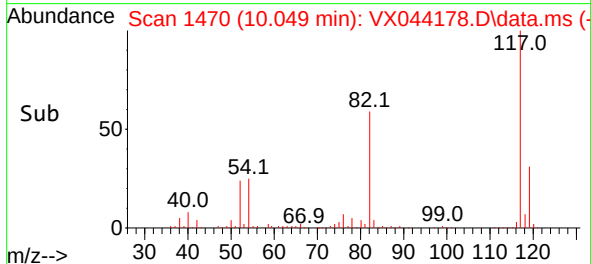
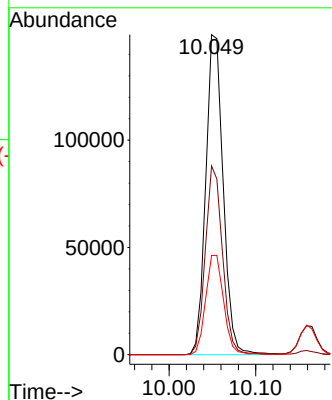
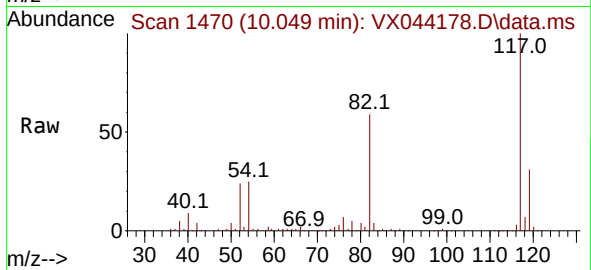




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

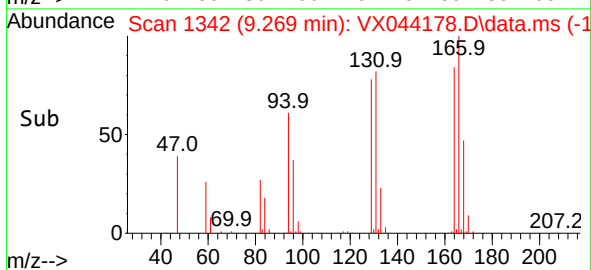
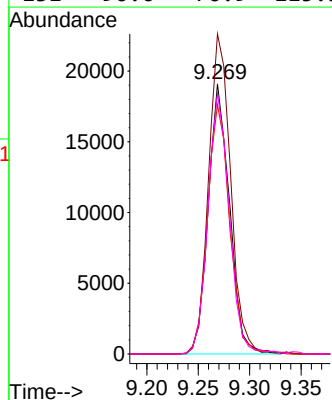
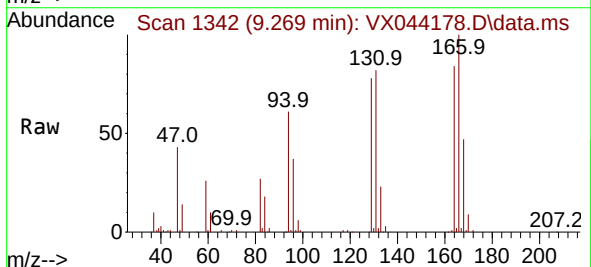
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

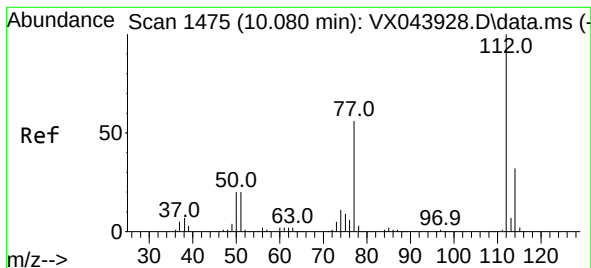
Tgt Ion:117 Resp: 208975
Ion Ratio Lower Upper
117 100
82 59.0 46.4 69.6
119 31.0 24.6 37.0



#64
Tetrachloroethene
Concen: 19.912 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:164 Resp: 27438
Ion Ratio Lower Upper
164 100
166 118.5 102.1 153.1
129 92.2 79.6 119.4
131 96.6 76.9 115.3

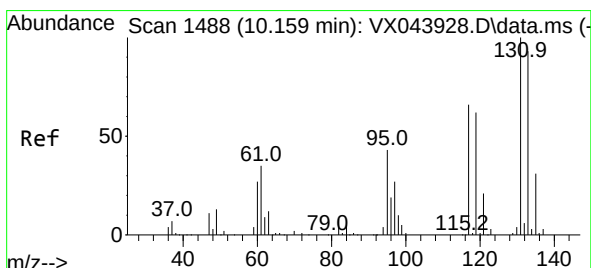
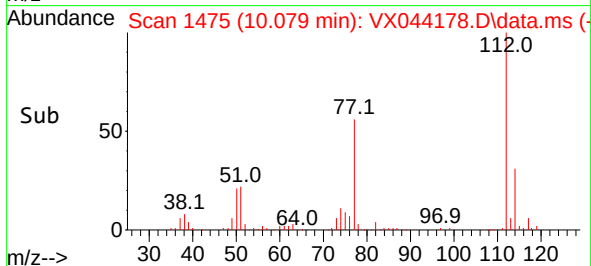
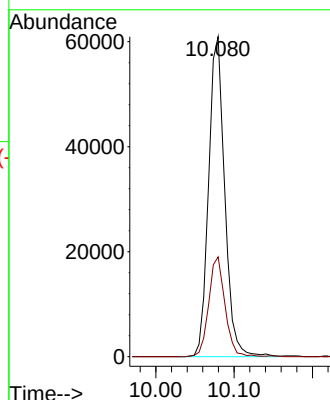
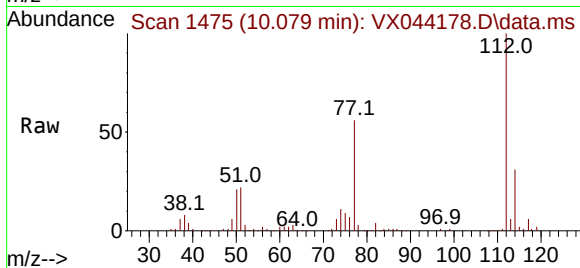




#65
Chlorobenzene
Concen: 18.940 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

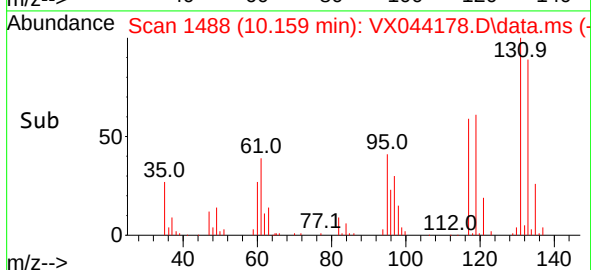
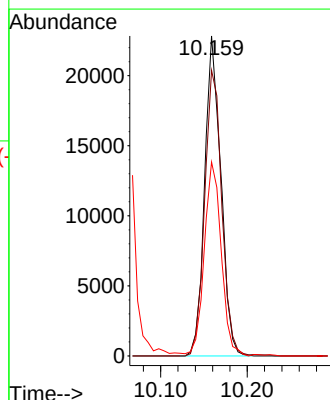
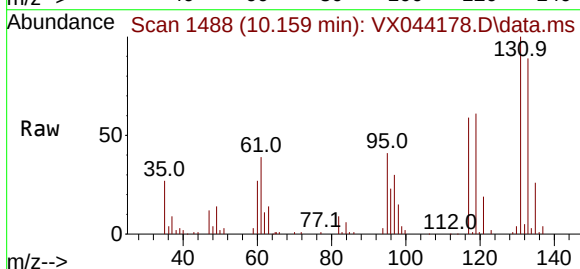
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

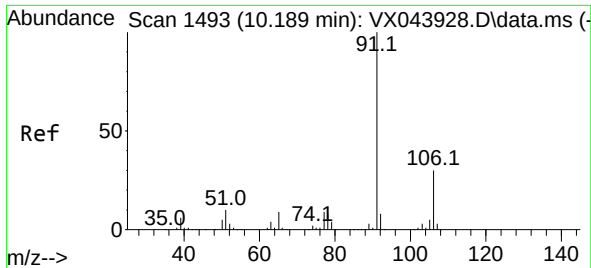
Tgt Ion:112 Resp: 86930
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.979 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:131 Resp: 29738
Ion Ratio Lower Upper
131 100
133 94.1 48.2 144.6
119 63.2 31.5 94.5





#67

Ethyl Benzene

Concen: 19.709 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

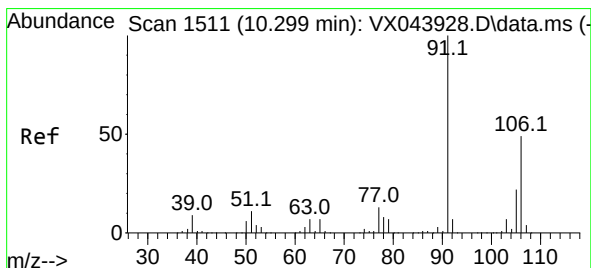
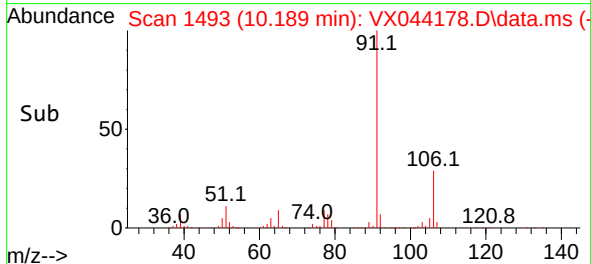
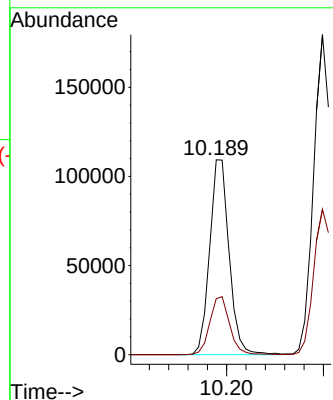
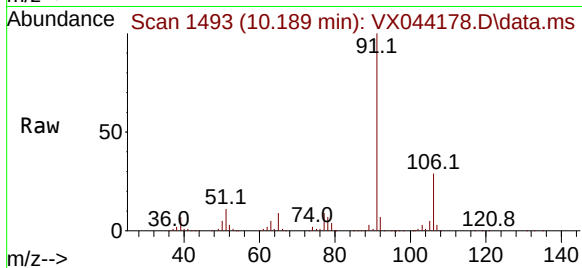
VX1209WBS01

Tgt Ion: 91 Resp: 153285

Ion Ratio Lower Upper

91 100

106 28.8 23.6 35.4



#68

m/p-Xylenes

Concen: 38.830 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044178.D

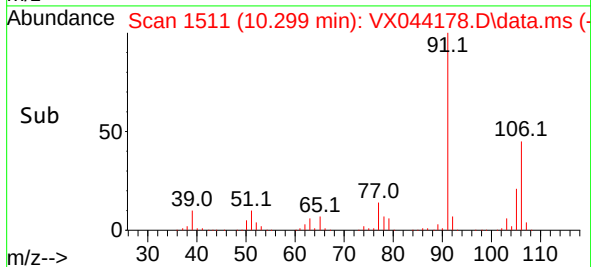
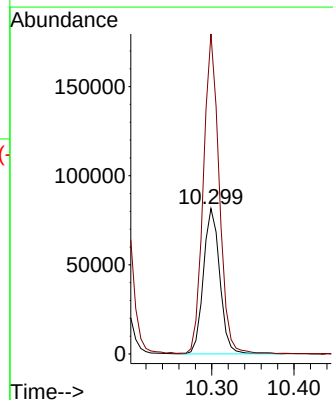
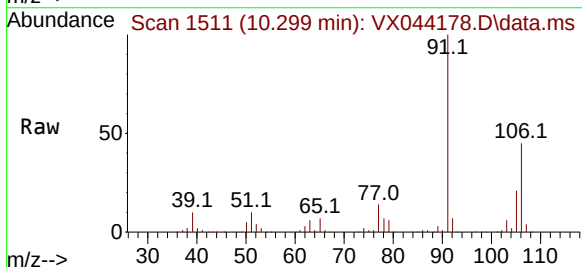
Acq: 09 Dec 2024 11:24

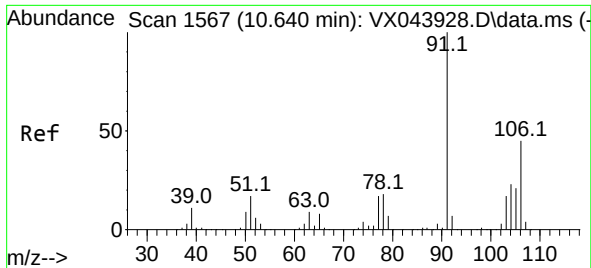
Tgt Ion: 106 Resp: 112617

Ion Ratio Lower Upper

106 100

91 213.6 168.1 252.1

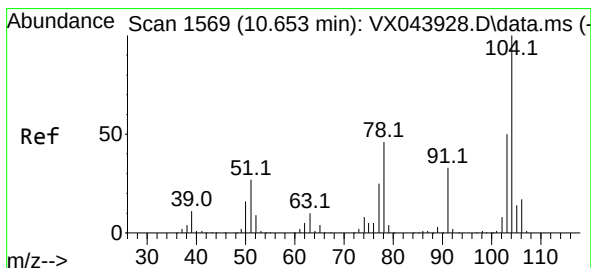
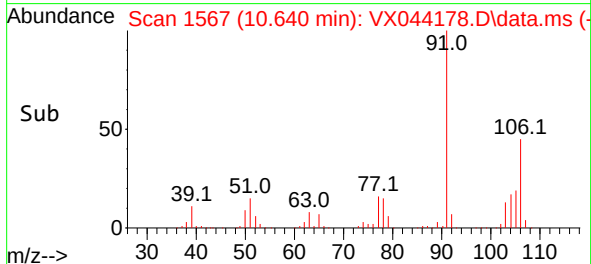
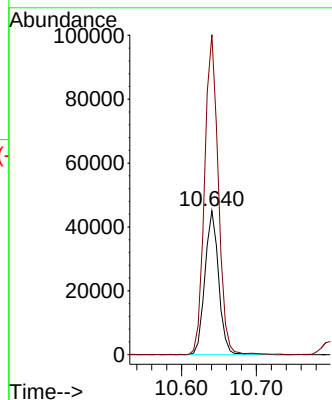
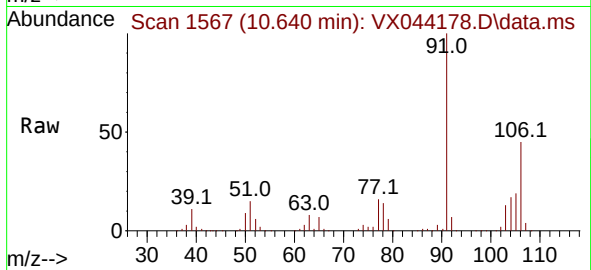




#69
o-Xylene
Concen: 20.202 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

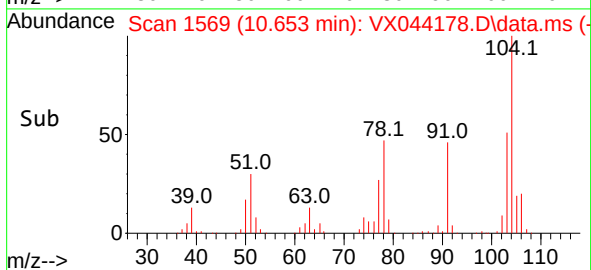
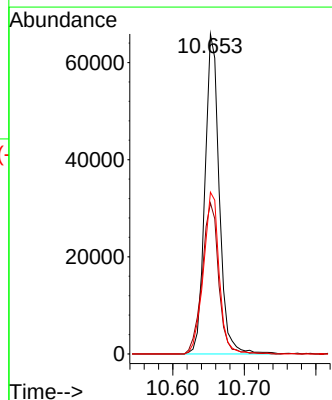
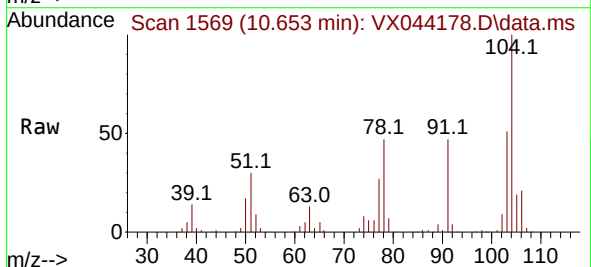
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

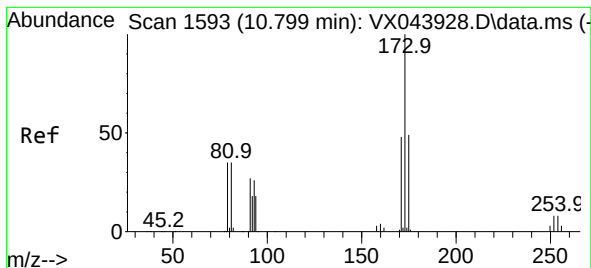
Tgt Ion:106 Resp: 57207
Ion Ratio Lower Upper
106 100
91 223.3 110.2 330.6



#70
Styrene
Concen: 19.631 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:104 Resp: 91943
Ion Ratio Lower Upper
104 100
78 54.3 42.2 63.2
103 55.6 44.7 67.1

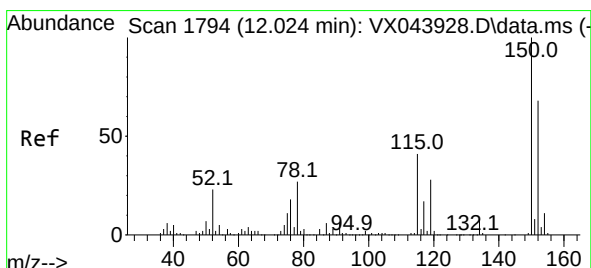
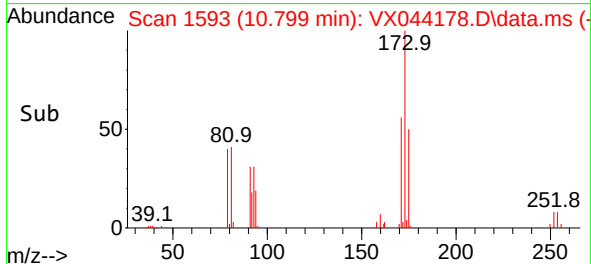
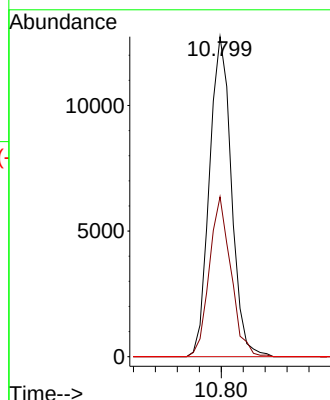
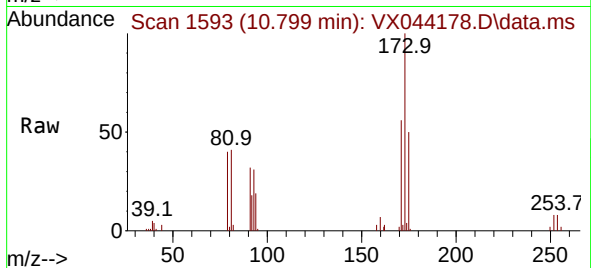




#71
Bromoform
Concen: 17.090 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

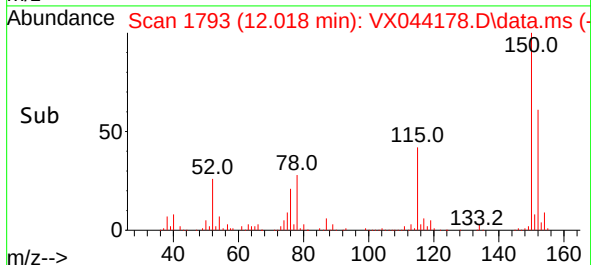
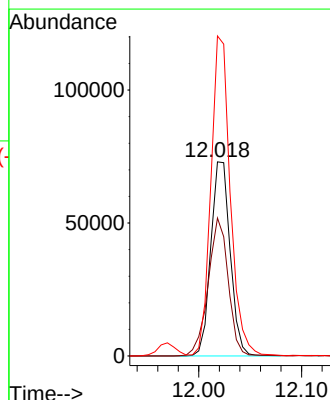
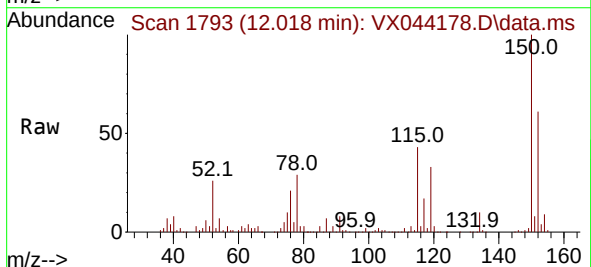
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

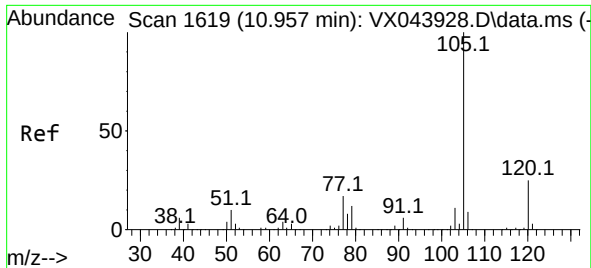
Tgt Ion:173 Resp: 17741
Ion Ratio Lower Upper
173 100
175 49.2 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:152 Resp: 95808
Ion Ratio Lower Upper
152 100
115 73.6 45.4 136.2
150 165.0 0.0 353.0

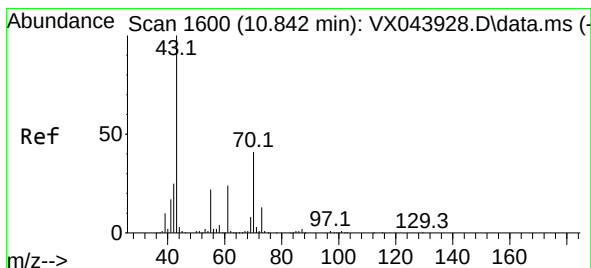
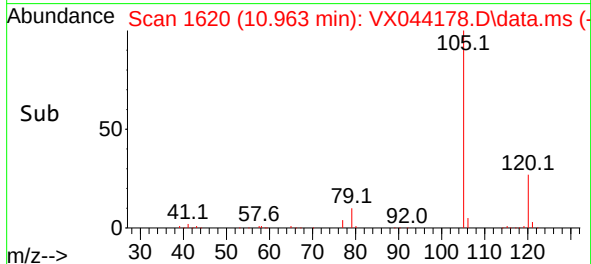
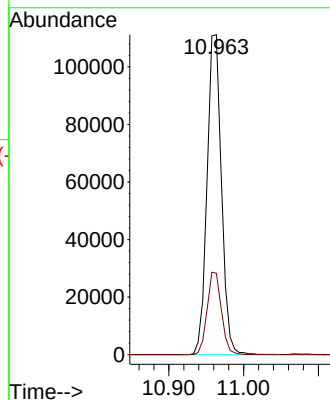
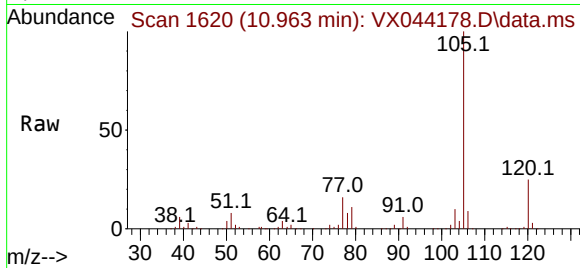




#73
Isopropylbenzene
Concen: 20.211 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

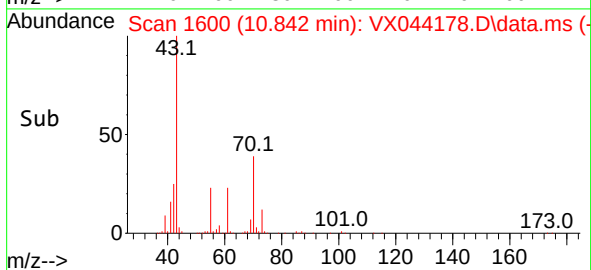
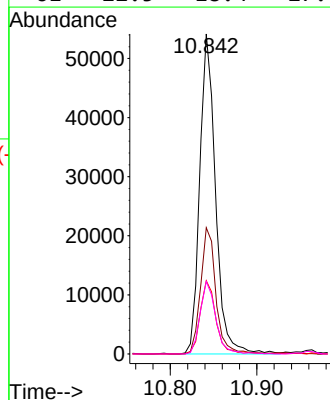
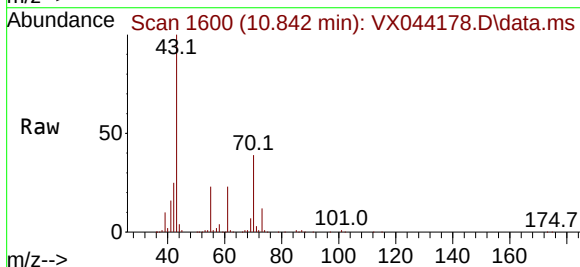
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

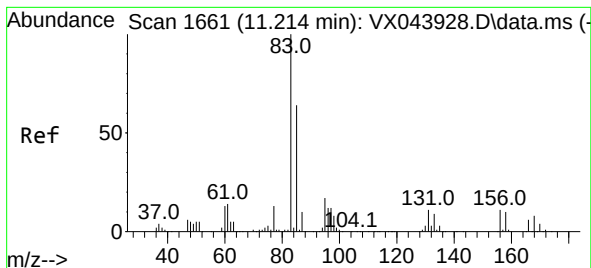
Tgt Ion:105 Resp: 148847
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9



#74
N-ethyl acetate
Concen: 20.145 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 43 Resp: 68730
Ion Ratio Lower Upper
43 100
70 38.3 32.2 48.2
55 22.8 18.1 27.1
61 22.5 18.4 27.6

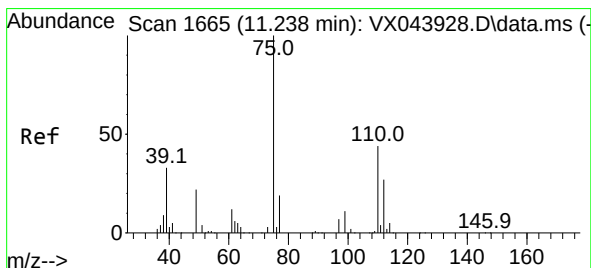
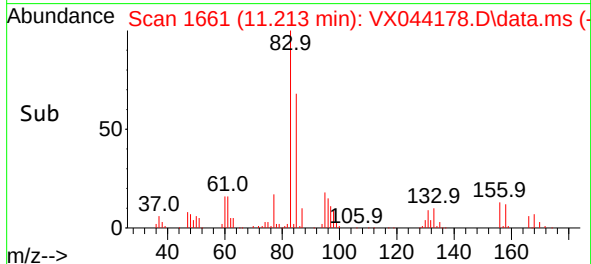
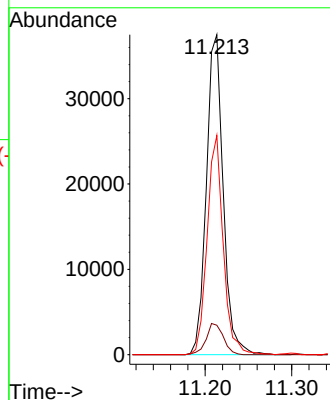
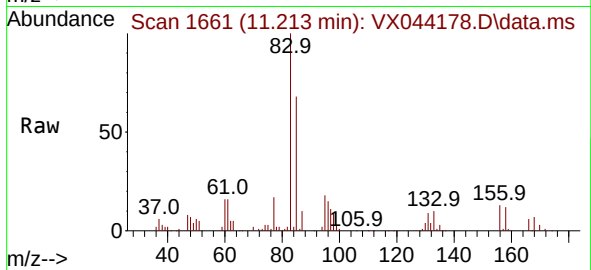




#75
1,1,2,2-Tetrachloroethane
Concen: 20.061 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

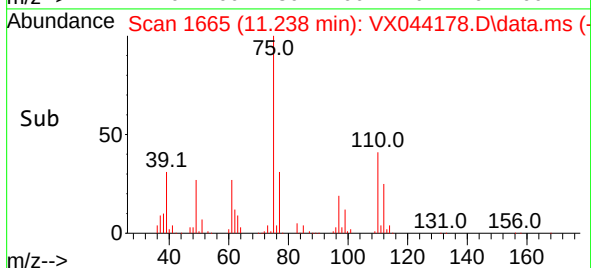
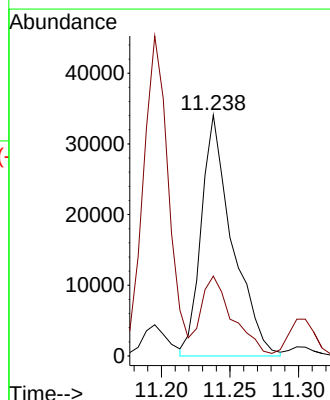
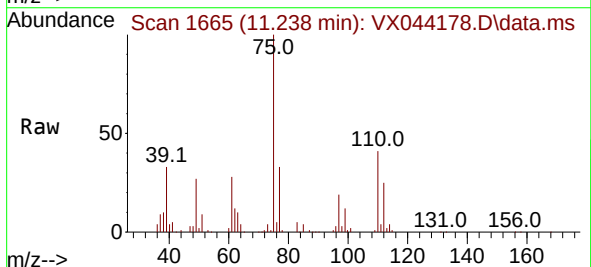
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

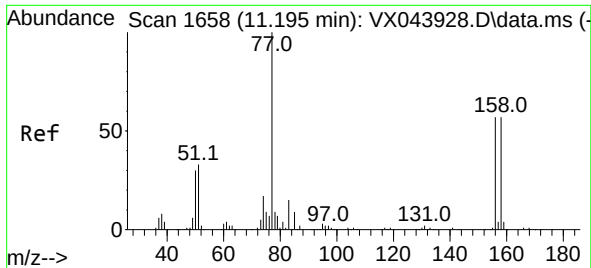
Tgt Ion: 83 Resp: 50588
Ion Ratio Lower Upper
83 100
131 10.0 5.1 15.2
85 65.6 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 25.630 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 75 Resp: 53849
Ion Ratio Lower Upper
75 100
77 33.9 21.8 65.3

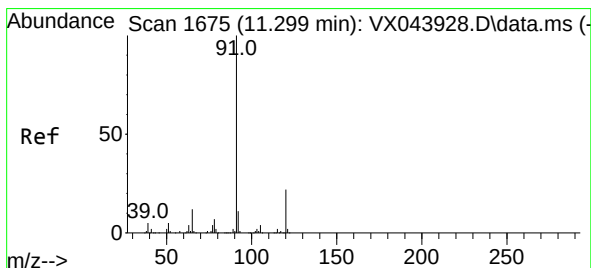
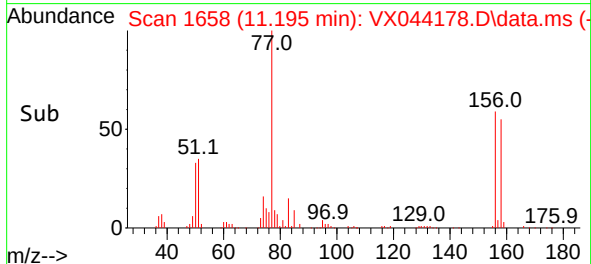
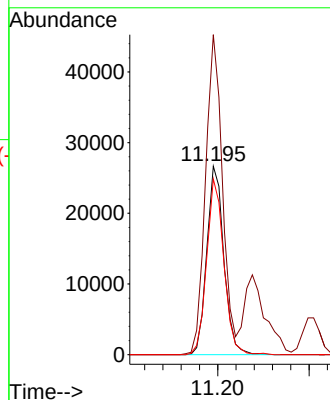
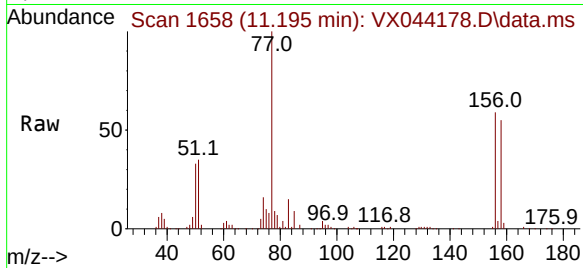




#77
Bromobenzene
Concen: 19.595 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

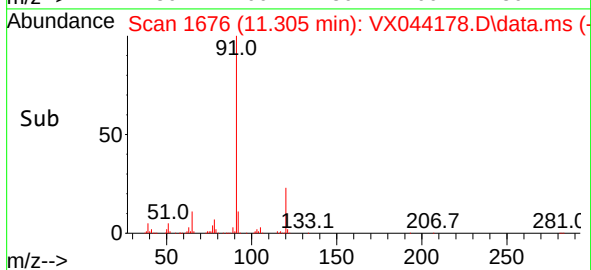
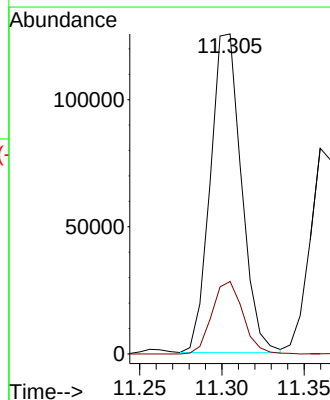
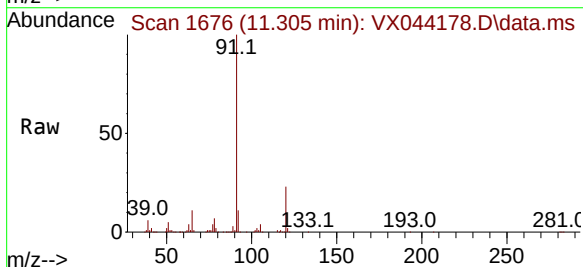
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

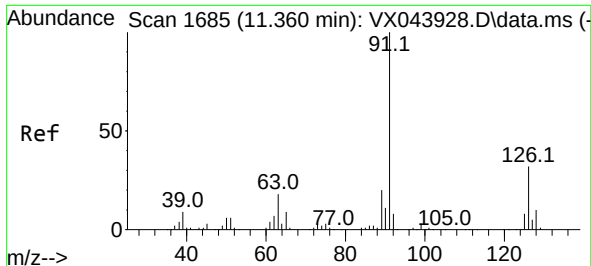
Tgt Ion:156 Resp: 34426
Ion Ratio Lower Upper
156 100
77 168.2 83.4 250.1
158 94.2 47.6 142.8



#78
n-propylbenzene
Concen: 20.069 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 91 Resp: 165076
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.4

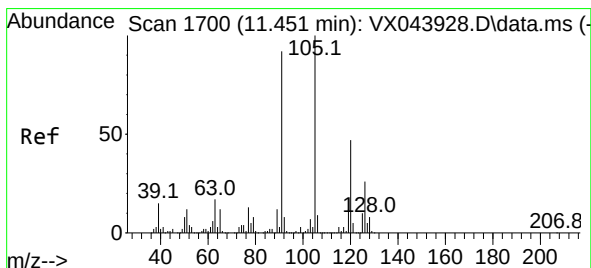
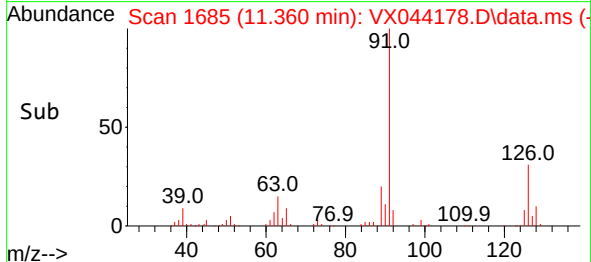
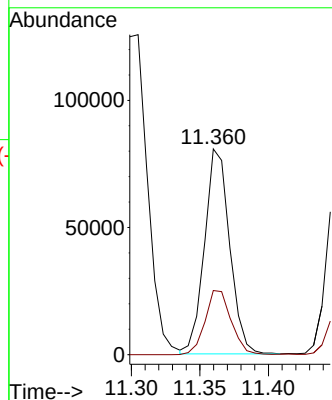
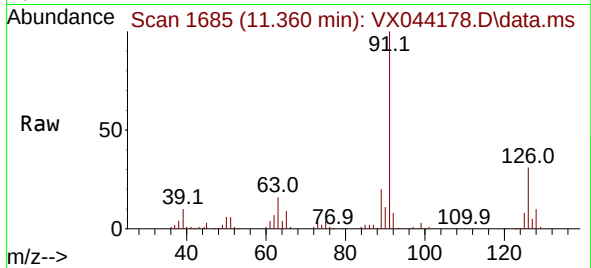




#79
2-Chlorotoluene
Concen: 19.821 ug/l
RT: 11.360 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

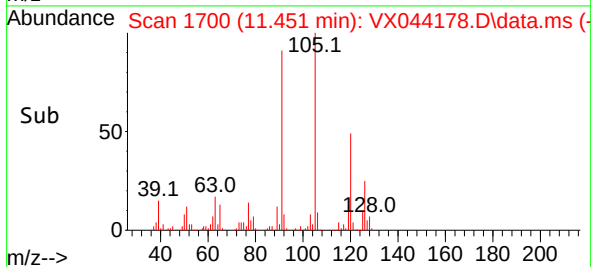
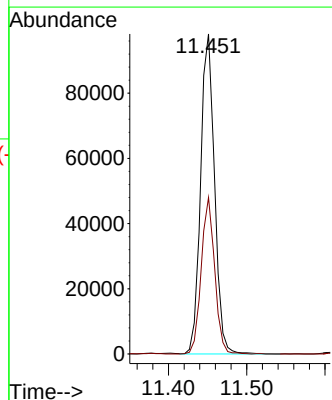
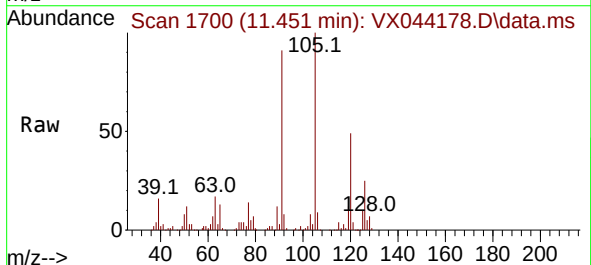
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

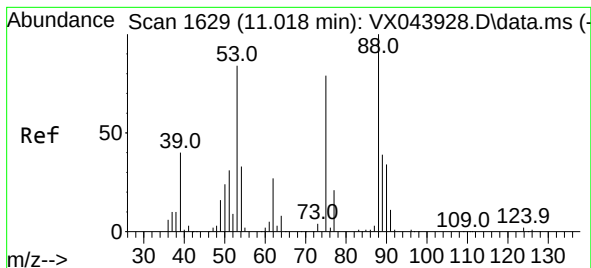
Tgt Ion: 91 Resp: 103092
Ion Ratio Lower Upper
91 100
126 32.4 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 20.053 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 105 Resp: 121500
Ion Ratio Lower Upper
105 100
120 47.1 23.3 69.8

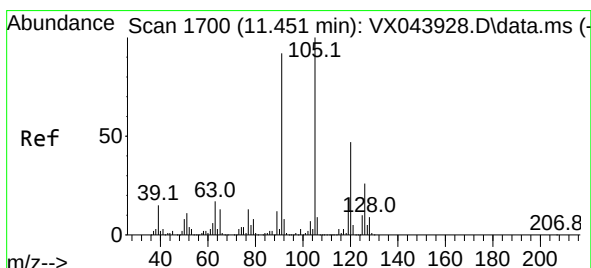
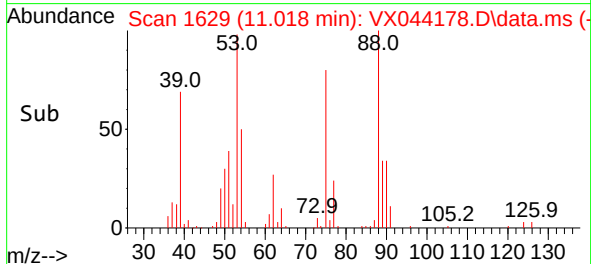
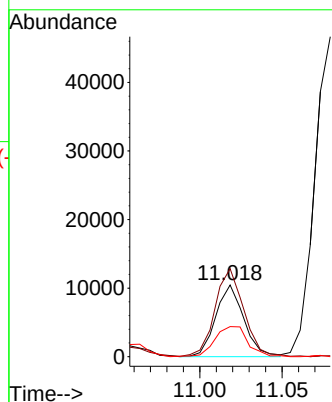
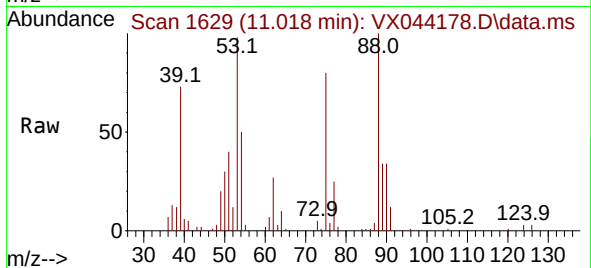




#81
trans-1,4-Dichloro-2-butene
Concen: 16.151 ug/l
RT: 11.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

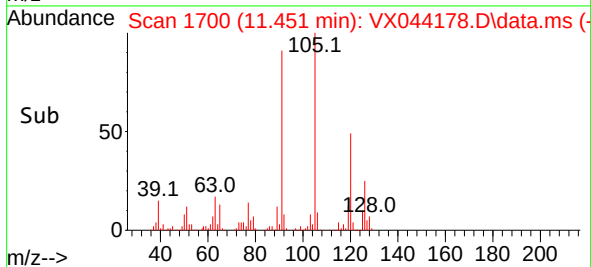
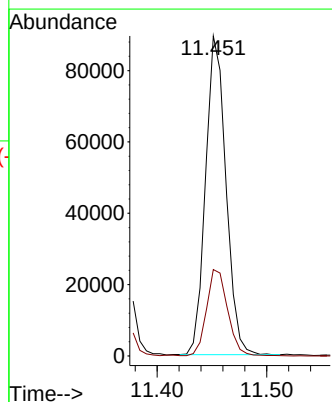
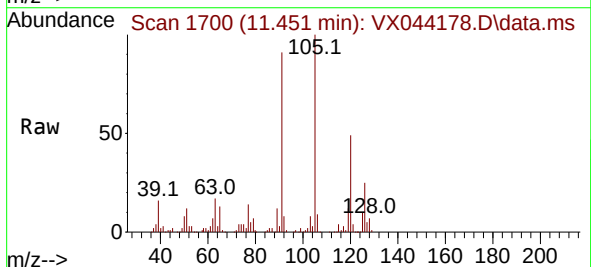
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

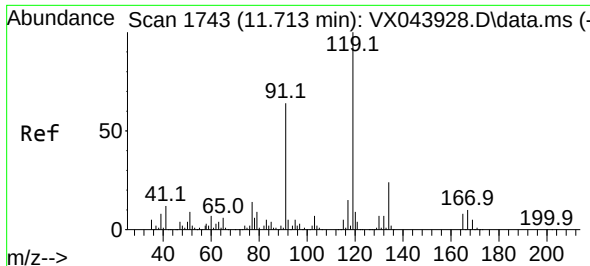
Tgt Ion: 75 Resp: 12436
Ion Ratio Lower Upper
75 100
53 125.8 86.7 130.1
89 48.9 38.2 57.2



#82
4-Chlorotoluene
Concen: 19.624 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion: 91 Resp: 115232
Ion Ratio Lower Upper
91 100
126 28.2 14.3 42.9

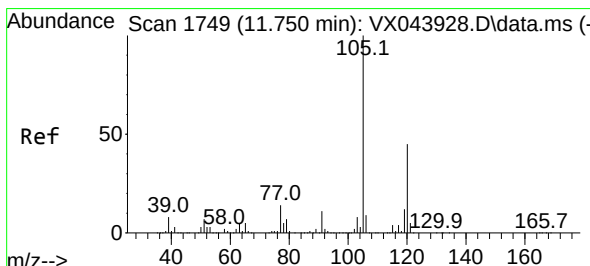
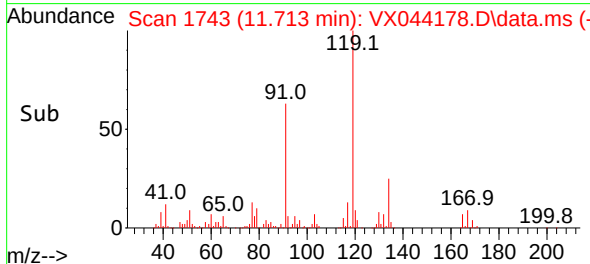
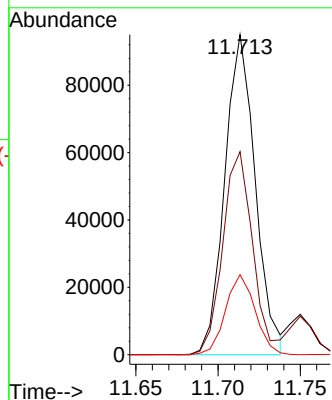
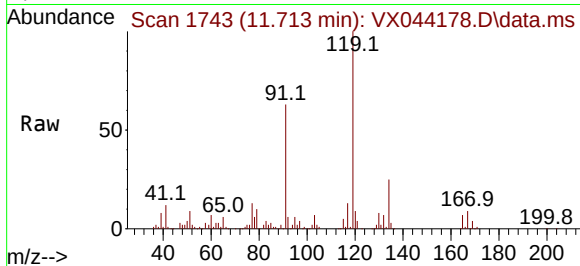




#83
 tert-Butylbenzene
 Concen: 20.446 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

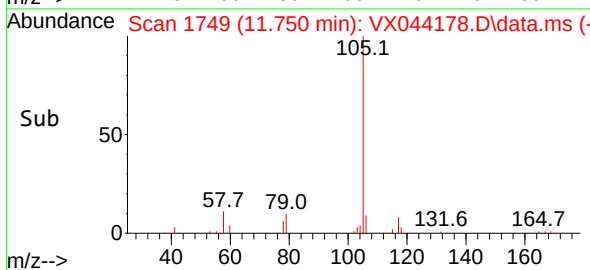
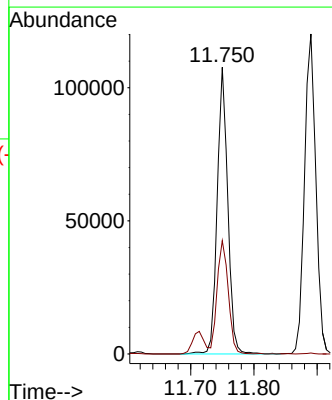
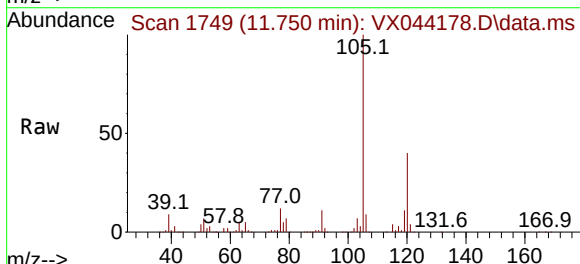
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

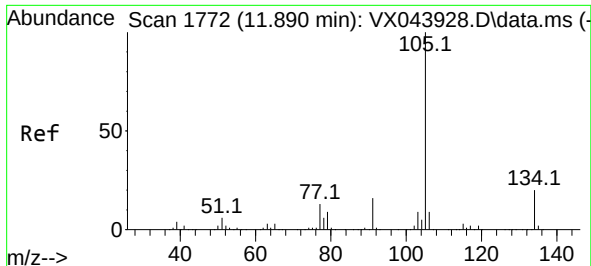
Tgt Ion:119 Resp: 122790
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.0 93.0
 134 24.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.696 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

Tgt Ion:105 Resp: 124841
 Ion Ratio Lower Upper
 105 100
 120 41.2 21.9 65.7

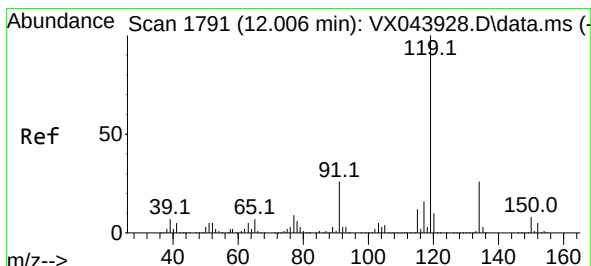
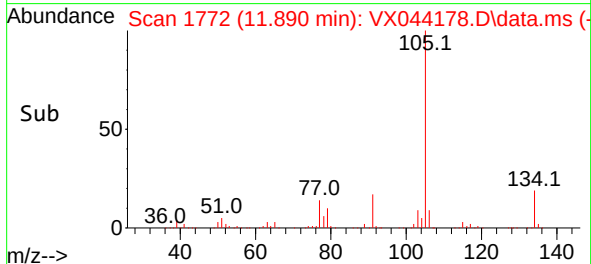
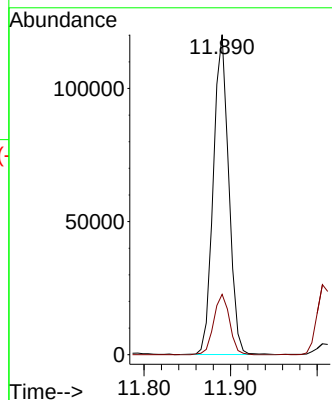
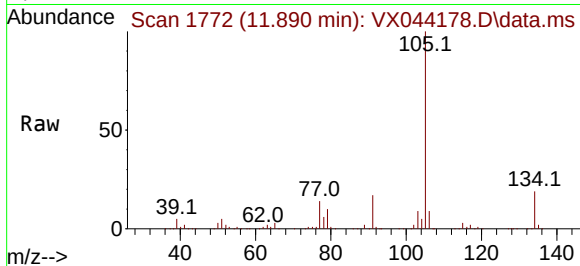




#85
 sec-Butylbenzene
 Concen: 20.184 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

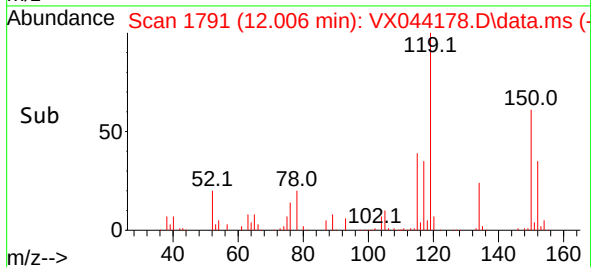
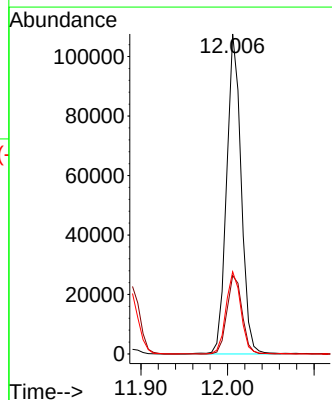
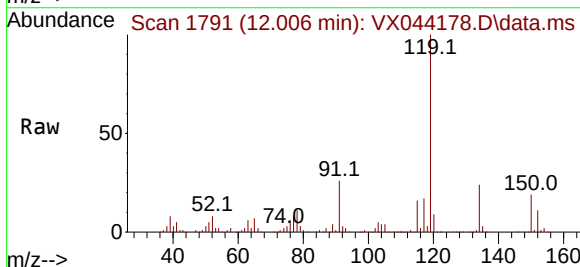
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

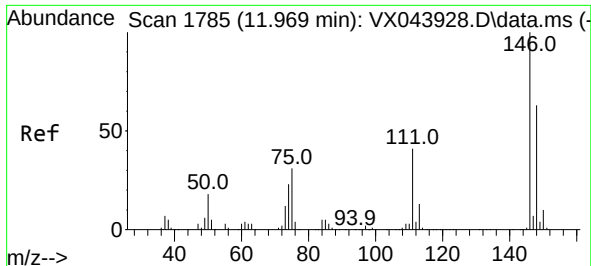
Tgt Ion:105 Resp: 148512
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.982 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044178.D
 Acq: 09 Dec 2024 11:24

Tgt Ion:119 Resp: 125408
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 38.9
 91 26.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 19.238 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

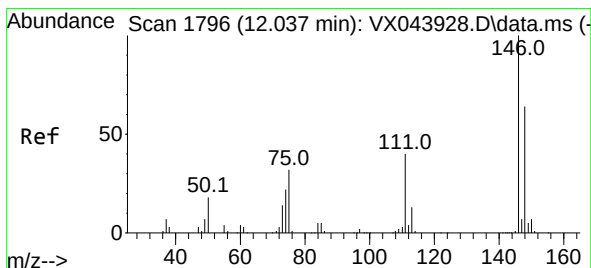
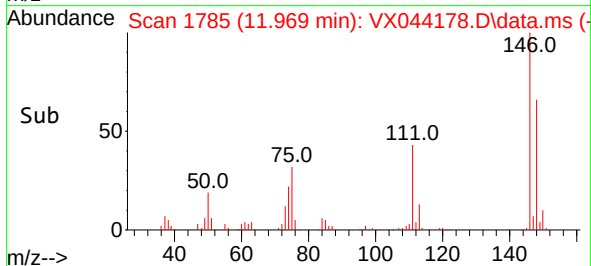
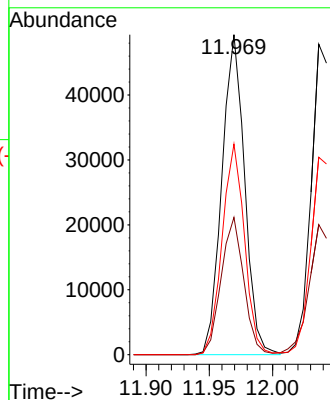
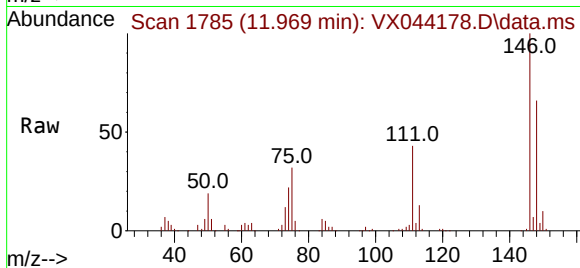
Tgt Ion:146 Resp: 61556

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.3

148 64.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 18.952 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

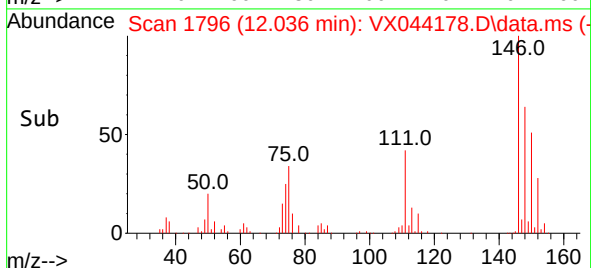
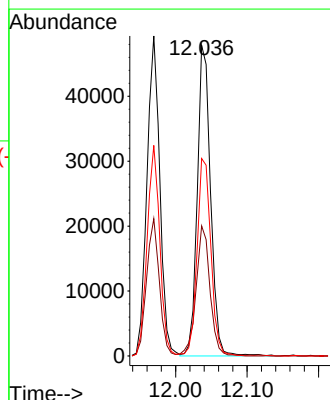
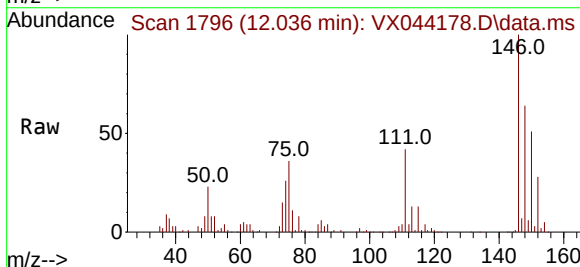
Tgt Ion:146 Resp: 61826

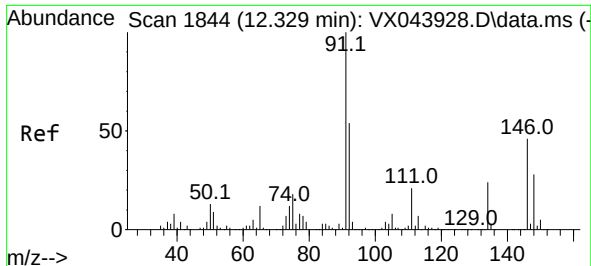
Ion Ratio Lower Upper

146 100

111 43.4 20.1 60.3

148 66.0 30.9 92.8





#89

n-Butylbenzene

Concen: 19.742 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

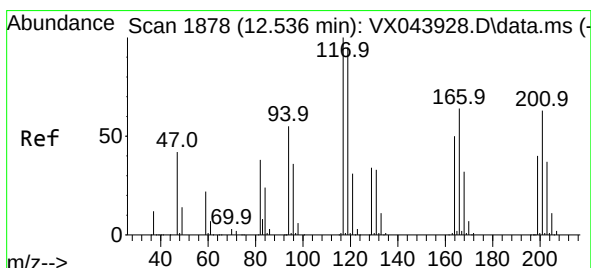
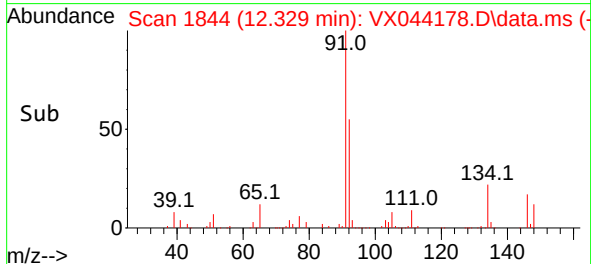
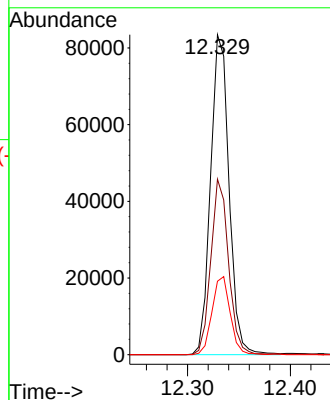
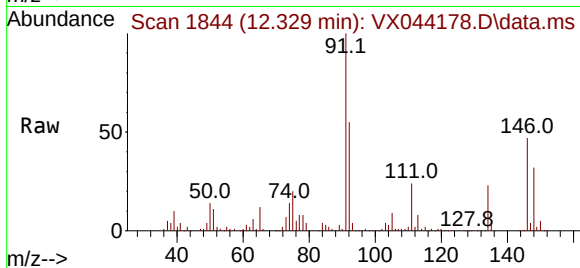
Tgt Ion: 91 Resp: 104032

Ion Ratio Lower Upper

91 100

92 53.0 26.6 79.8

134 24.0 12.4 37.2



#90

Hexachloroethane

Concen: 17.554 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044178.D

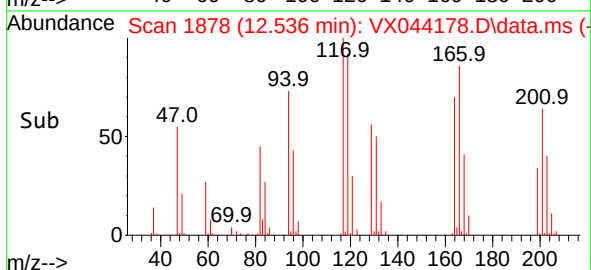
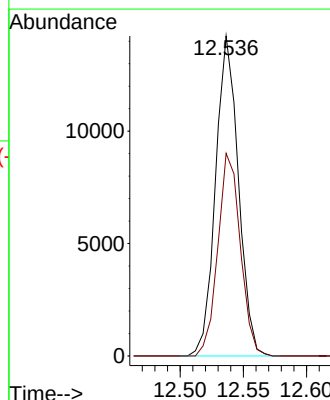
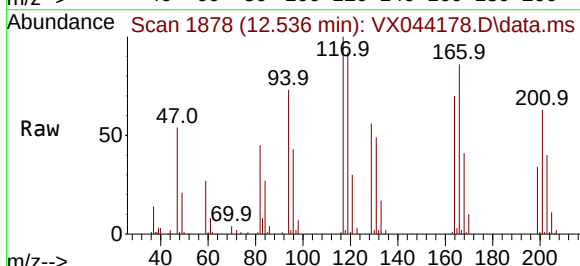
Acq: 09 Dec 2024 11:24

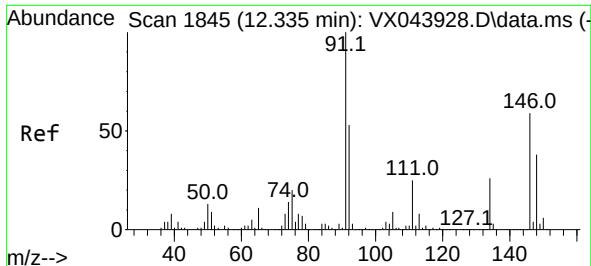
Tgt Ion: 117 Resp: 17841

Ion Ratio Lower Upper

117 100

201 62.3 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 19.166 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS01

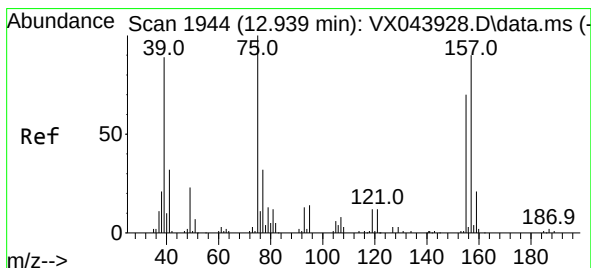
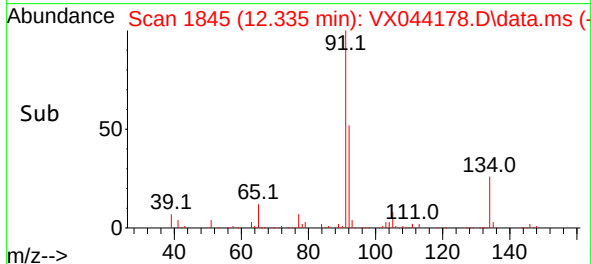
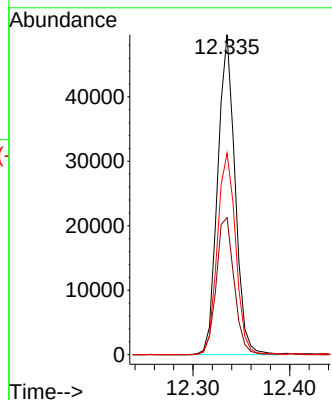
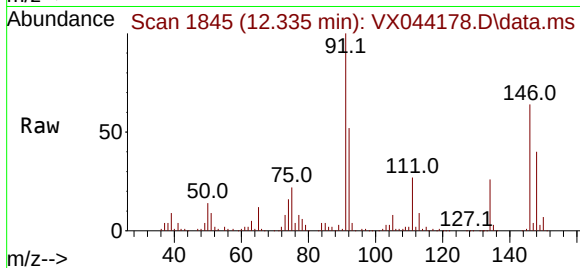
Tgt Ion:146 Resp: 61888

Ion Ratio Lower Upper

146 100

111 44.4 21.5 64.5

148 66.4 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.561 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX044178.D

Acq: 09 Dec 2024 11:24

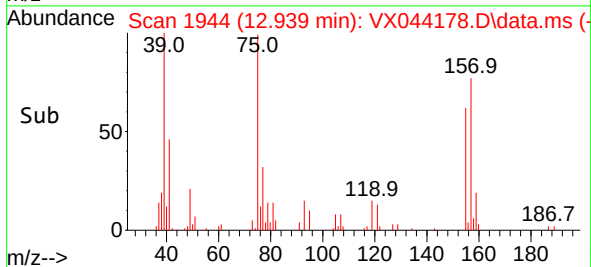
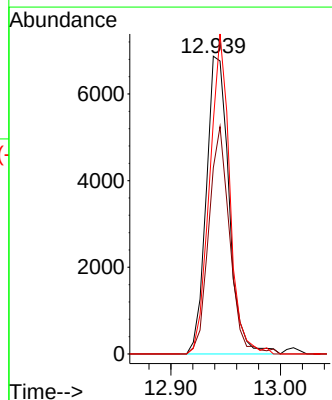
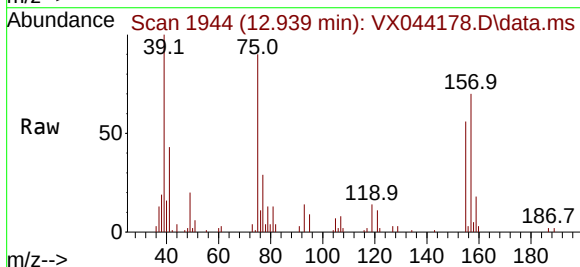
Tgt Ion: 75 Resp: 9884

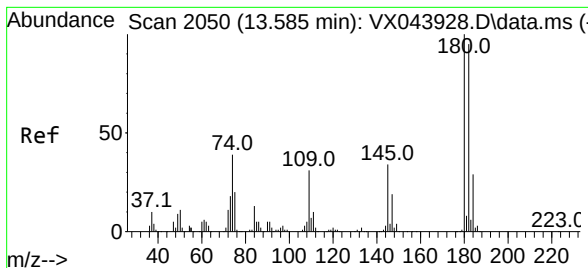
Ion Ratio Lower Upper

75 100

155 70.2 40.1 120.2

157 95.1 49.6 149.0

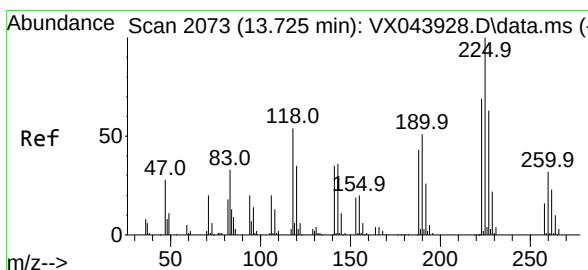
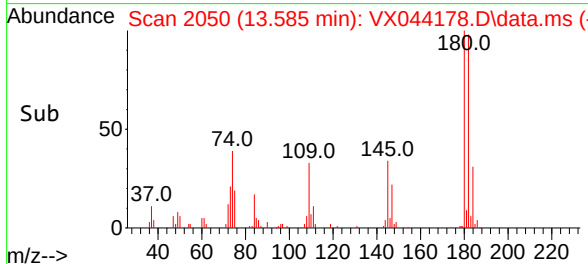
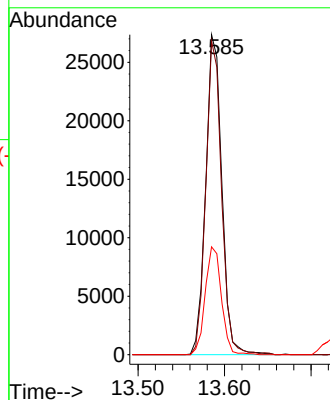
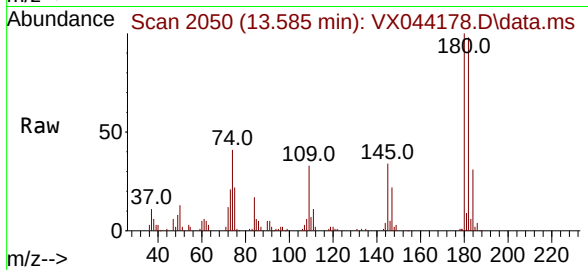




#93
1,2,4-Trichlorobenzene
Concen: 18.559 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

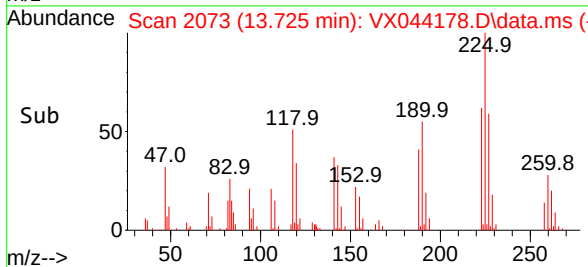
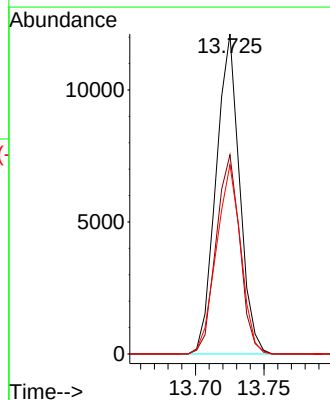
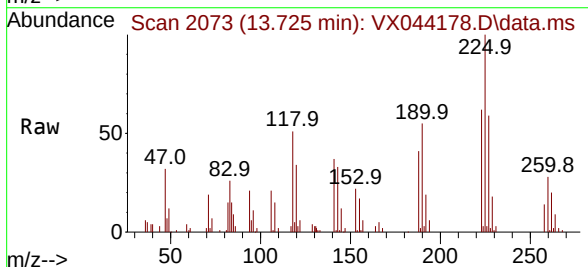
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

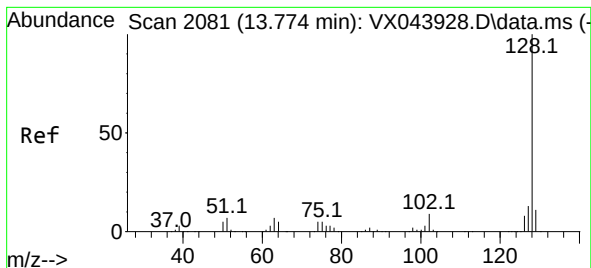
Tgt Ion:180 Resp: 35332
Ion Ratio Lower Upper
180 100
182 95.7 48.0 144.2
145 34.0 16.8 50.4



#94
Hexachlorobutadiene
Concen: 19.222 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:225 Resp: 14463
Ion Ratio Lower Upper
225 100
223 62.8 32.9 98.6
227 61.3 31.6 94.8

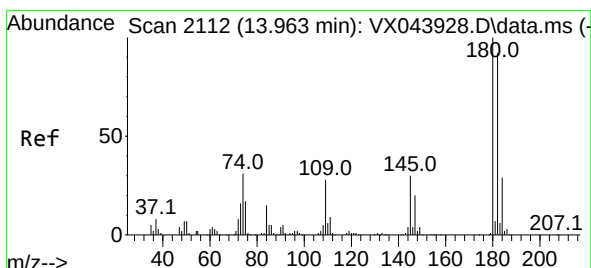
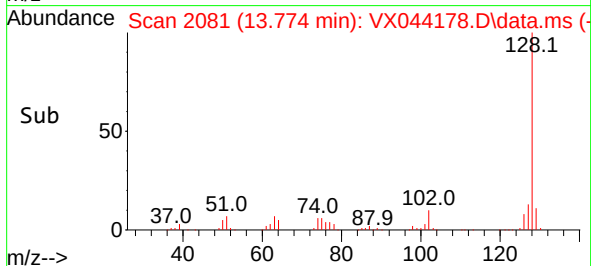
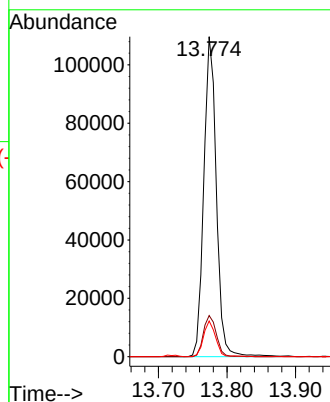
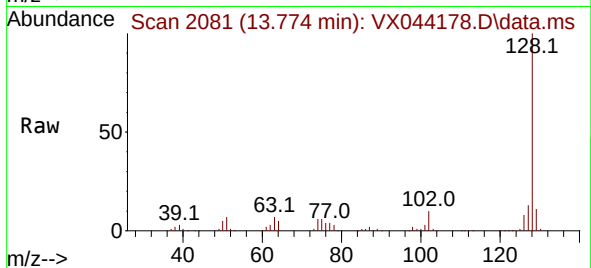




#95
Naphthalene
Concen: 20.408 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

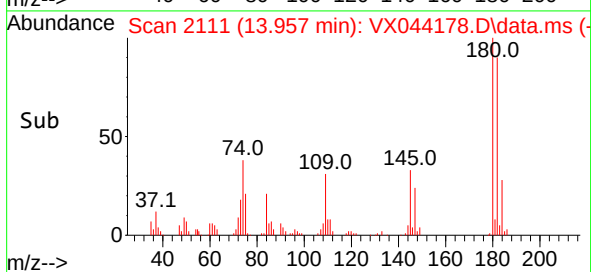
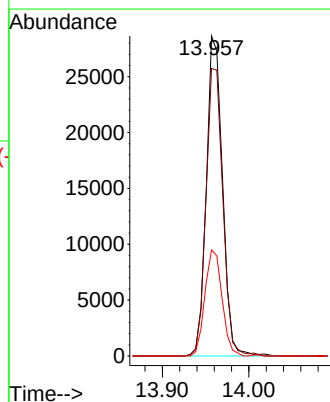
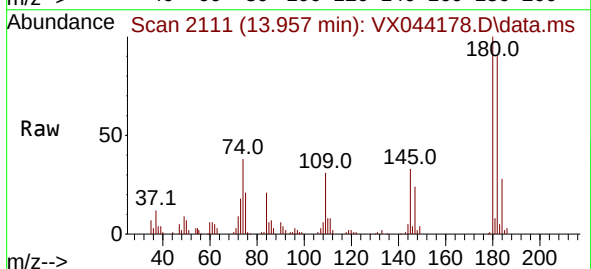
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS01

Tgt Ion:128 Resp: 139855
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.284 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044178.D
Acq: 09 Dec 2024 11:24

Tgt Ion:180 Resp: 37158
Ion Ratio Lower Upper
180 100
182 93.6 45.6 136.8
145 35.1 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044194.D
 Acq On : 09 Dec 2024 17:37
 Operator : JC/MD
 Sample : VX1209WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBSD01

Quant Time: Dec 10 01:46:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	135757	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	248673	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96570	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	129787	55.739	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.480%	
35) Dibromofluoromethane	5.379	113	92471	52.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.080%	
50) Toluene-d8	8.647	98	311560	50.866	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.740%	
62) 4-Bromofluorobenzene	11.079	95	112080	53.767	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.540%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27509	15.995	ug/l	98
3) Chloromethane	1.294	50	32755	18.099	ug/l	98
4) Vinyl Chloride	1.374	62	35273	18.324	ug/l	99
5) Bromomethane	1.593	94	24857	20.990	ug/l	94
6) Chloroethane	1.666	64	29761	25.373	ug/l	99
7) Trichlorofluoromethane	1.867	101	68304	19.847	ug/l	99
8) Diethyl Ether	2.136	74	27655	22.047	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	30116	18.345	ug/l	99
10) Methyl Iodide	2.441	142	41292	20.140	ug/l	98
11) Tert butyl alcohol	2.989	59	38441	102.855	ug/l	99
12) 1,1-Dichloroethene	2.306	96	29889	19.107	ug/l	98
13) Acrolein	2.233	56	32283	81.950	ug/l	96
14) Allyl chloride	2.660	41	50978	19.944	ug/l	97
15) Acrylonitrile	3.068	53	100479	110.322	ug/l	99
16) Acetone	2.386	43	109503	102.392	ug/l	99
17) Carbon Disulfide	2.502	76	44433	13.770	ug/l	96
18) Methyl Acetate	2.709	43	53505	21.484	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	124639	21.944	ug/l	95
20) Methylene Chloride	2.782	84	36188	19.940	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	31501	19.504	ug/l	96
22) Diisopropyl ether	3.763	45	120480	22.043	ug/l	95
23) Vinyl Acetate	3.721	43	499223	106.772	ug/l	100
24) 1,1-Dichloroethane	3.605	63	66871	21.208	ug/l	99
25) 2-Butanone	4.568	43	154107	111.678	ug/l	100
26) 2,2-Dichloropropane	4.471	77	57084	20.046	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42493	21.285	ug/l	98
28) Bromochloromethane	4.897	49	26209	18.884	ug/l	95
29) Tetrahydrofuran	5.007	42	95322	112.677	ug/l	98
30) Chloroform	5.093	83	75775	22.344	ug/l	93
31) Cyclohexane	5.464	56	48818	18.811	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62168	21.257	ug/l	99
36) 1,1-Dichloropropene	5.690	75	43925	19.838	ug/l	97
37) Ethyl Acetate	4.721	43	57613	20.961	ug/l	100
38) Carbon Tetrachloride	5.678	117	48162	19.358	ug/l	97
39) Methylcyclohexane	7.379	83	52919	18.397	ug/l	94
40) Benzene	6.031	78	139613	20.242	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044194.D
 Acq On : 09 Dec 2024 17:37
 Operator : JC/MD
 Sample : VX1209WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBSD01

Quant Time: Dec 10 01:46:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	32217	22.901	ug/l	95
42) 1,2-Dichloroethane	6.086	62	59522	21.488	ug/l	99
43) Isopropyl Acetate	6.342	43	93678	21.416	ug/l	99
44) Trichloroethene	7.123	130	35012	17.932	ug/l	98
45) 1,2-Dichloropropane	7.427	63	33709	19.955	ug/l	97
46) Dibromomethane	7.580	93	28564	21.376	ug/l	98
47) Bromodichloromethane	7.818	83	48783	20.355	ug/l	99
48) Methyl methacrylate	7.696	41	43383	20.669	ug/l	99
49) 1,4-Dioxane	7.665	88	11689	312.640	ug/l #	61
51) 4-Methyl-2-Pentanone	8.574	43	302094	113.171	ug/l	99
52) Toluene	8.714	92	85899	20.808	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	48298	19.762	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	54145	20.209	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	36713	21.544	ug/l	97
56) Ethyl methacrylate	9.116	69	59083	22.260	ug/l	98
57) 1,3-Dichloropropane	9.305	76	62674	21.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	127295	86.855	ug/l	99
59) 2-Hexanone	9.433	43	231547	115.407	ug/l	99
60) Dibromochloromethane	9.519	129	33874	19.812	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36670	21.281	ug/l	98
64) Tetrachloroethene	9.275	164	27824	19.563	ug/l	98
65) Chlorobenzene	10.079	112	94932	20.039	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	32146	20.923	ug/l	100
67) Ethyl Benzene	10.195	91	167658	20.886	ug/l	99
68) m/p-Xylenes	10.299	106	123887	41.384	ug/l	100
69) o-Xylene	10.640	106	62326	21.324	ug/l	99
70) Styrene	10.652	104	101812	21.061	ug/l	98
71) Bromoform	10.799	173	18740	17.454	ug/l #	99
73) Isopropylbenzene	10.963	105	162841	21.937	ug/l	99
74) N-amyl acetate	10.841	43	76764	22.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	56343	22.167	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	59228	27.967	ug/l	84
77) Bromobenzene	11.195	156	38424	21.699	ug/l	100
78) n-propylbenzene	11.305	91	177942	21.463	ug/l	98
79) 2-Chlorotoluene	11.360	91	113558	21.661	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	133542	21.866	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13581	17.499	ug/l #	85
82) 4-Chlorotoluene	11.451	91	128085	21.641	ug/l	99
83) tert-Butylbenzene	11.713	119	134832	22.274	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	134709	22.155	ug/l	98
85) sec-Butylbenzene	11.890	105	159764	21.541	ug/l	99
86) p-Isopropyltoluene	12.006	119	132697	22.027	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	66585	20.645	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	65706	19.982	ug/l	95
89) n-Butylbenzene	12.329	91	110620	20.826	ug/l	99
90) Hexachloroethane	12.536	117	18756	18.309	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	69186	21.257	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10532	20.679	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	37178	19.375	ug/l	98
94) Hexachlorobutadiene	13.725	225	14835	19.561	ug/l	99
95) Naphthalene	13.774	128	149688	21.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38872	20.014	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044194.D
Acq On : 09 Dec 2024 17:37
Operator : JC/MD
Sample : VX1209WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

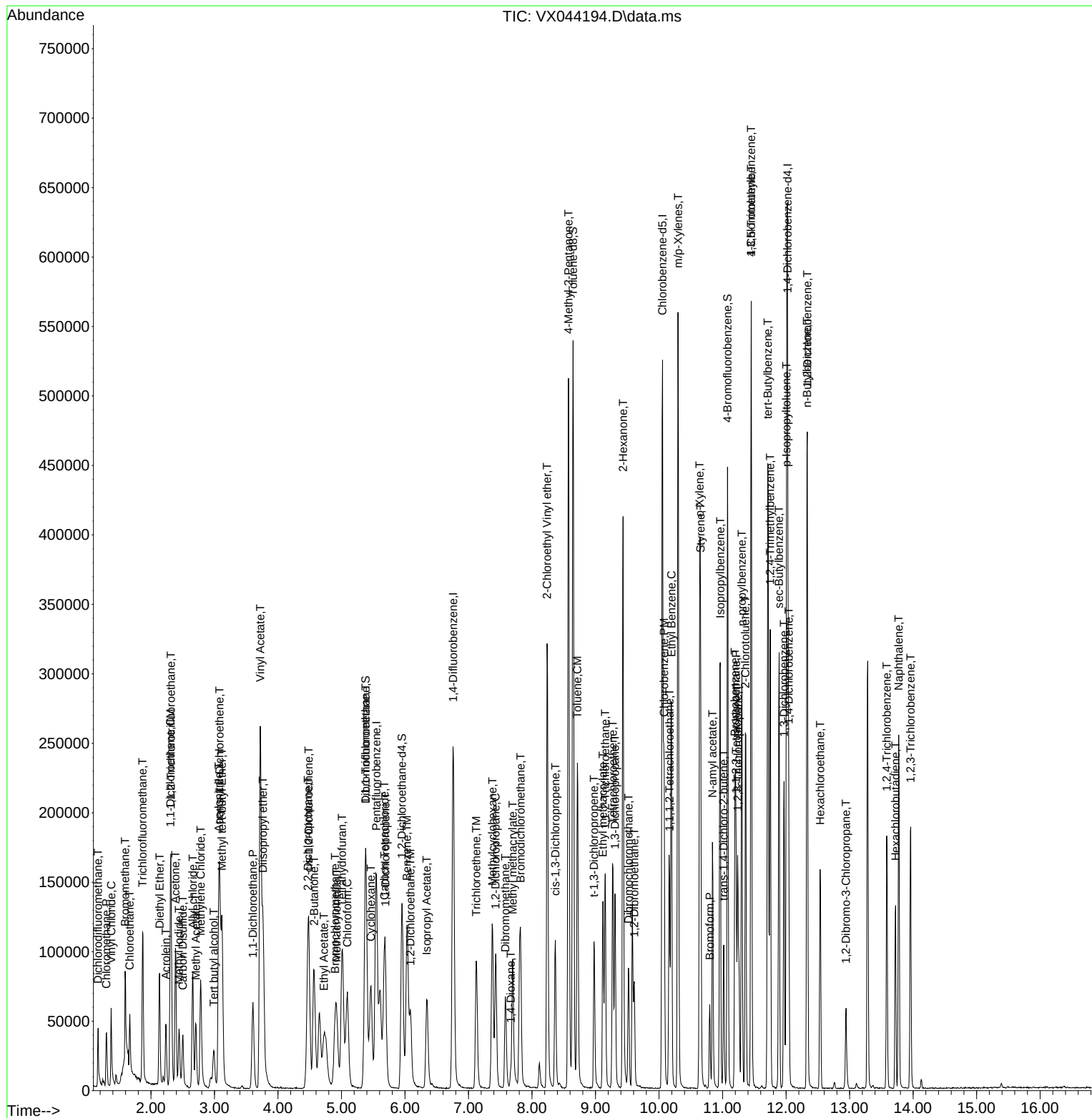
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

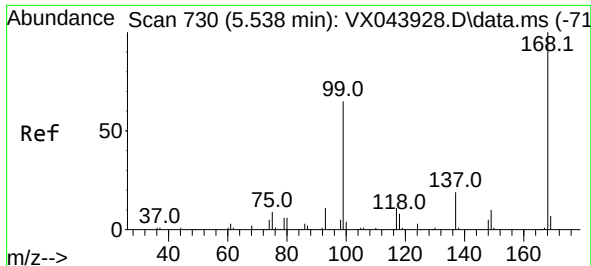
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Quant Time: Dec 10 01:46:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

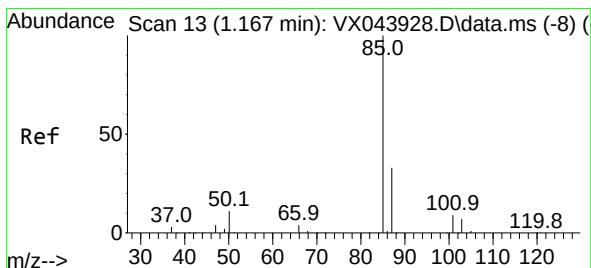
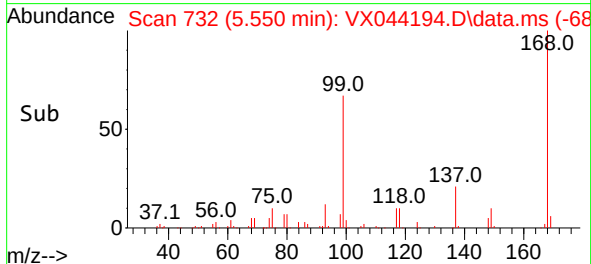
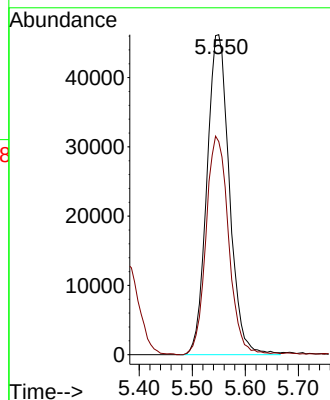
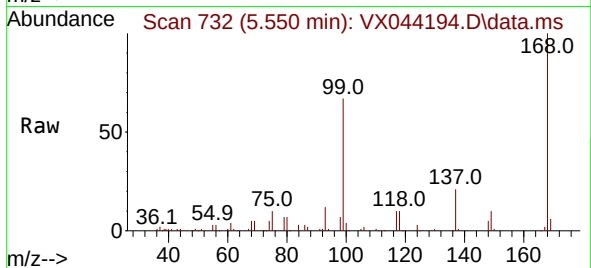




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

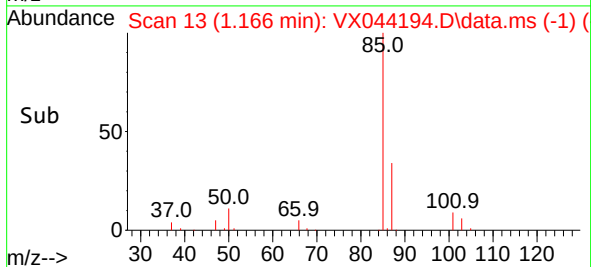
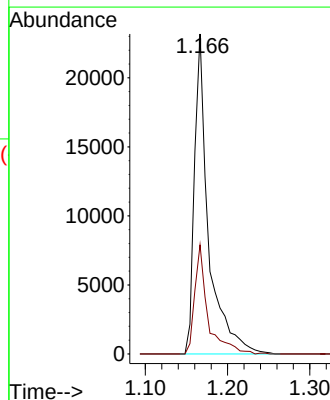
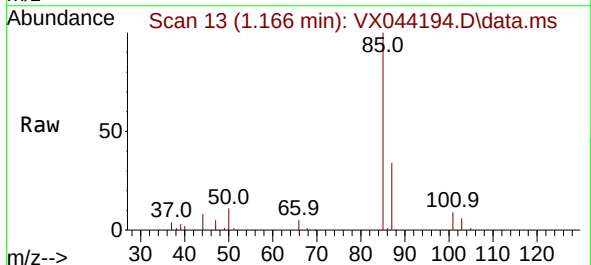
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

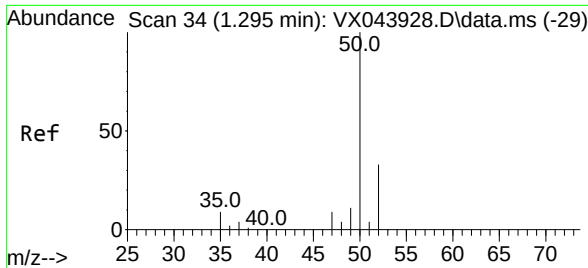
Tgt Ion:168 Resp: 135757
Ion Ratio Lower Upper
168 100
99 66.6 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 15.995 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 85 Resp: 27509
Ion Ratio Lower Upper
85 100
87 34.1 16.6 49.8

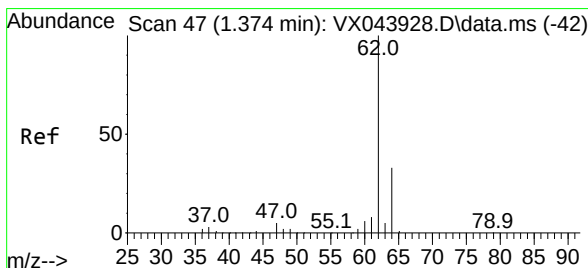
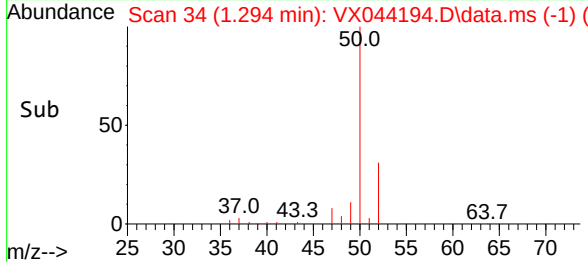
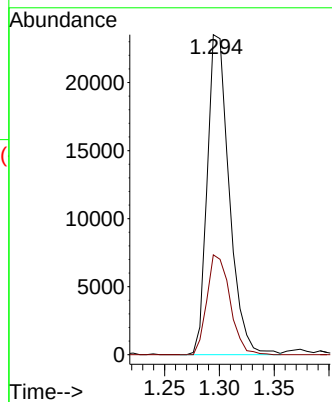
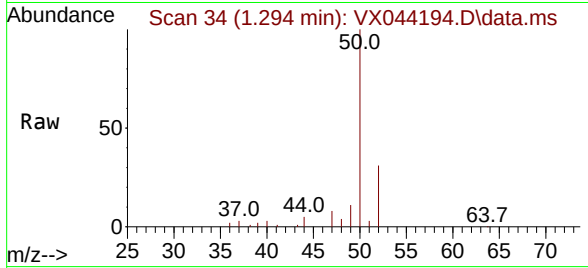




#3
Chloromethane
Concen: 18.099 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

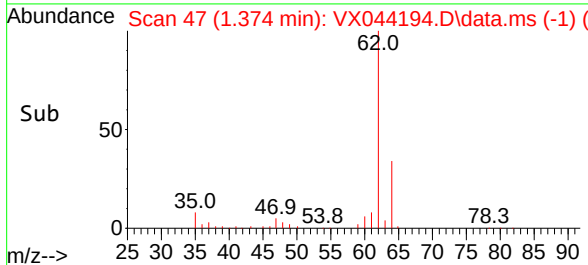
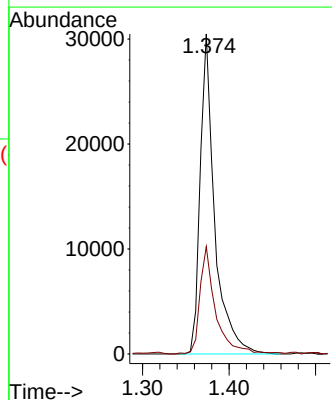
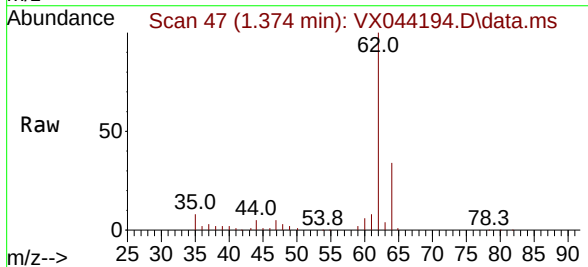
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ClientSampleId :
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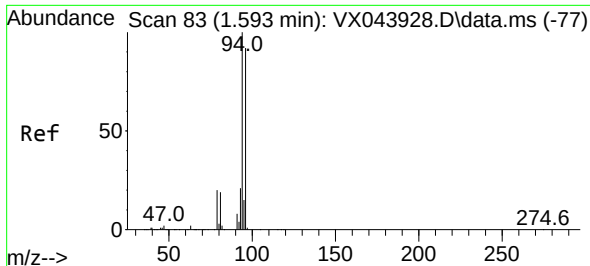
Tgt Ion: 50 Resp: 32755
Ion Ratio Lower Upper
50 100
52 31.2 26.1 39.1



#4
Vinyl Chloride
Concen: 18.324 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 62 Resp: 35273
Ion Ratio Lower Upper
62 100
64 33.3 26.2 39.4

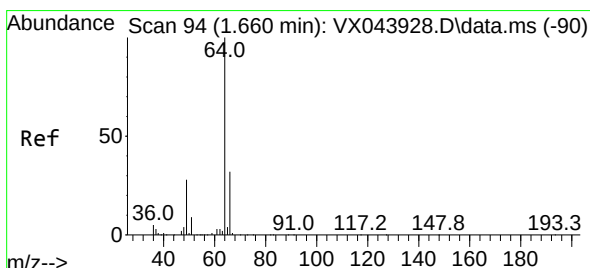
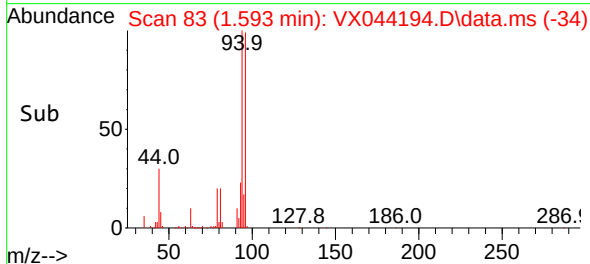
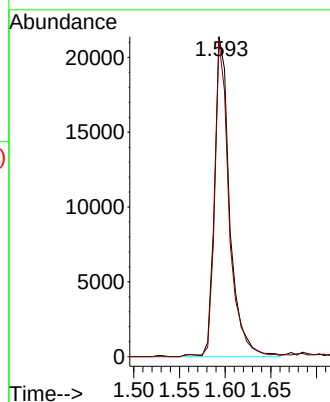
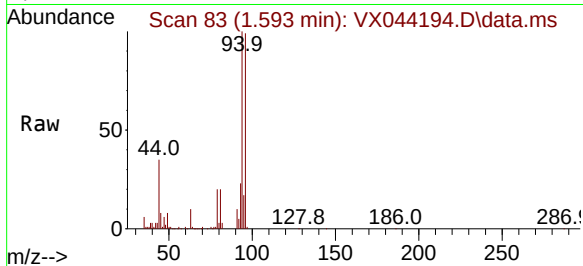




#5
Bromomethane
Concen: 20.990 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

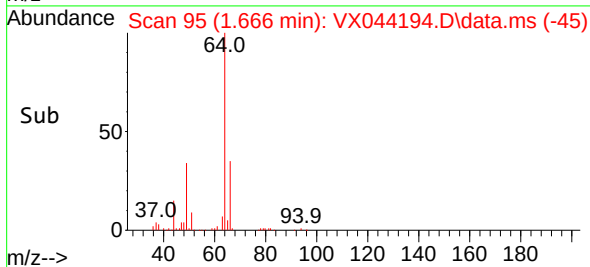
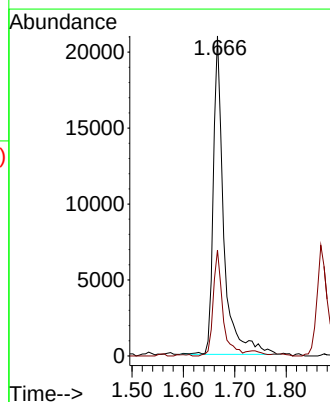
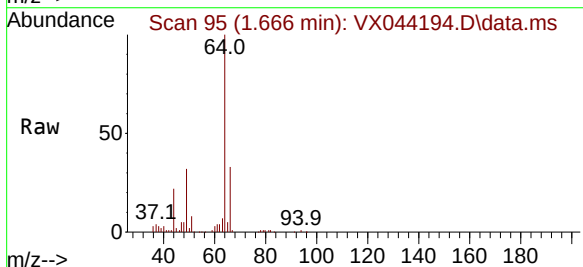
Instrument :
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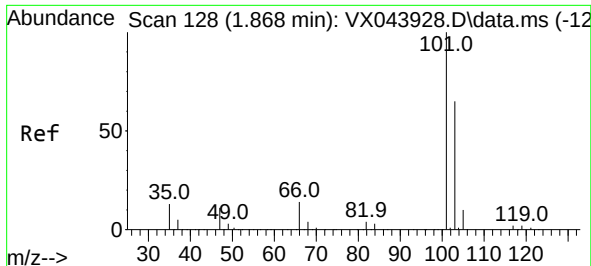
Tgt Ion: 94 Resp: 24857
Ion Ratio Lower Upper
94 100
96 98.5 73.9 110.9



#6
Chloroethane
Concen: 25.373 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 64 Resp: 29761
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

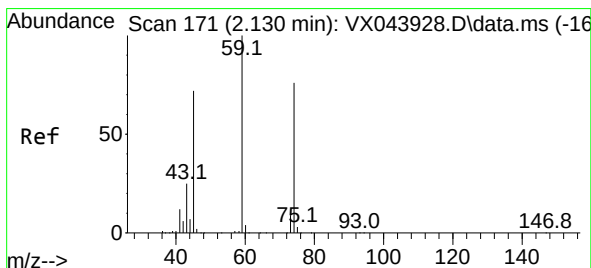
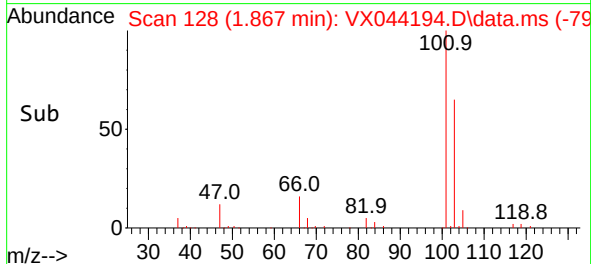
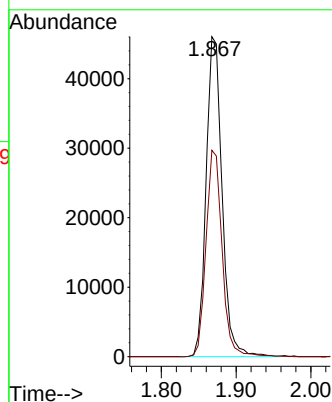
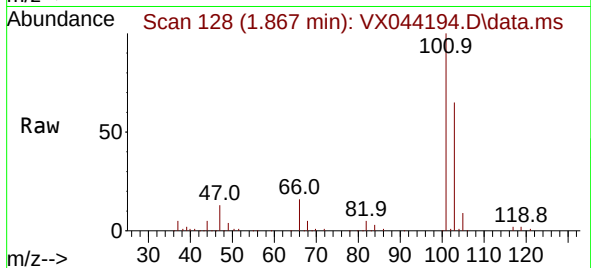




#7
Trichlorofluoromethane
Concen: 19.847 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

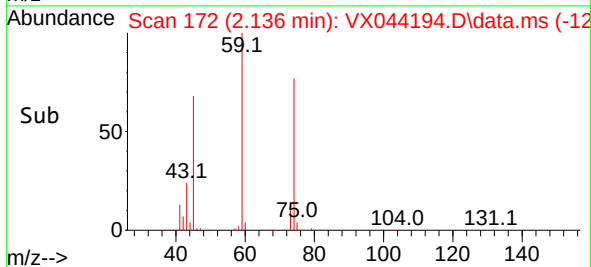
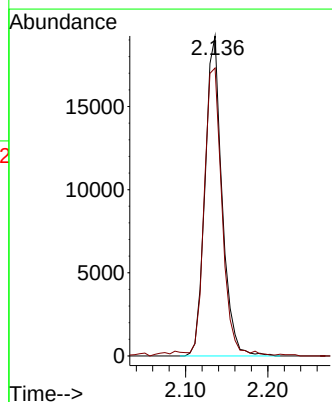
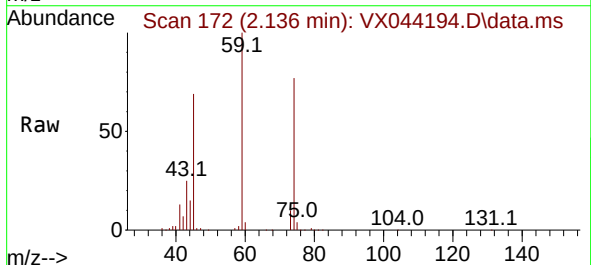
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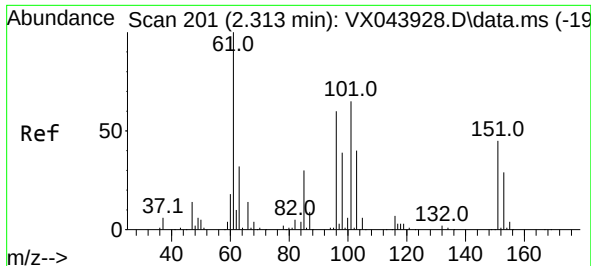
Tgt Ion:101 Resp: 68304
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2



#8
Diethyl Ether
Concen: 22.047 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 74 Resp: 27655
Ion Ratio Lower Upper
74 100
45 92.8 47.9 143.6

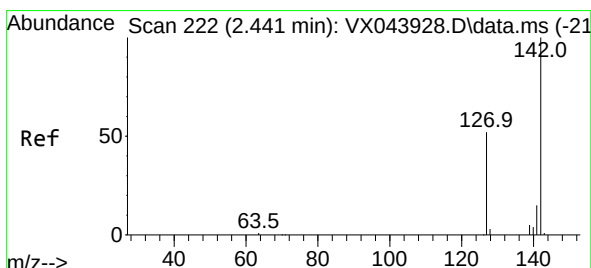
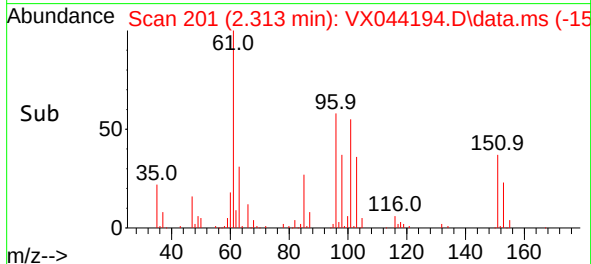
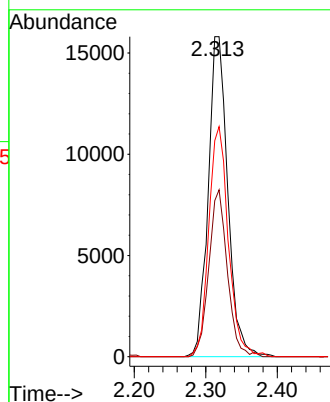
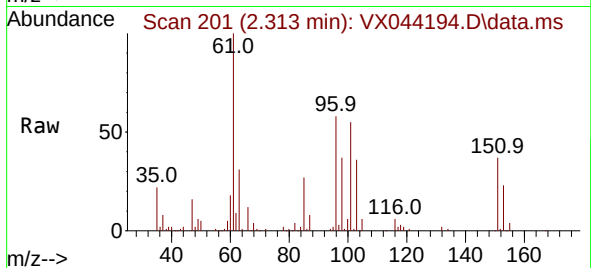




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.345 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

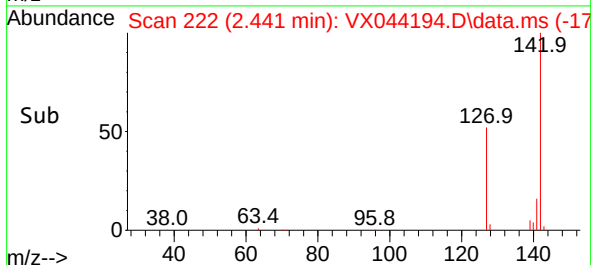
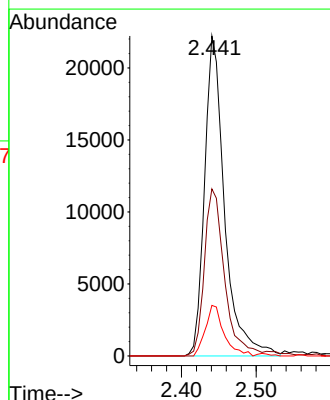
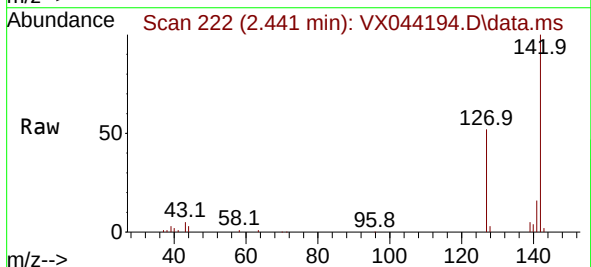
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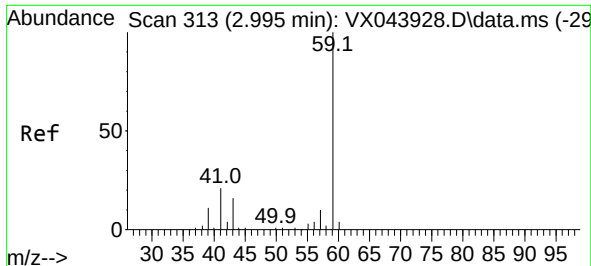
Tgt Ion:101 Resp: 30116
Ion Ratio Lower Upper
101 100
85 49.4 37.9 56.9
151 72.0 57.5 86.3



#10
Methyl Iodide
Concen: 20.140 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:142 Resp: 41292
Ion Ratio Lower Upper
142 100
127 52.4 40.7 61.1
141 14.7 12.0 18.0

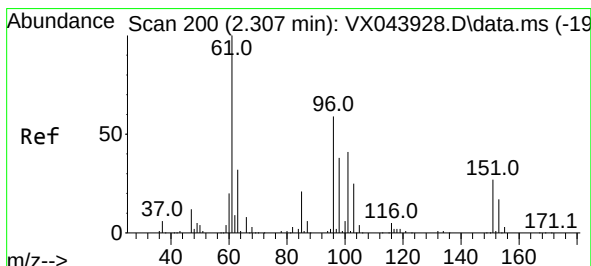
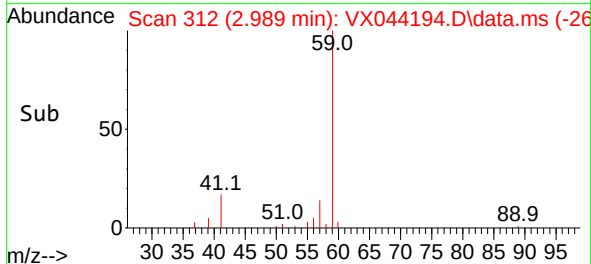
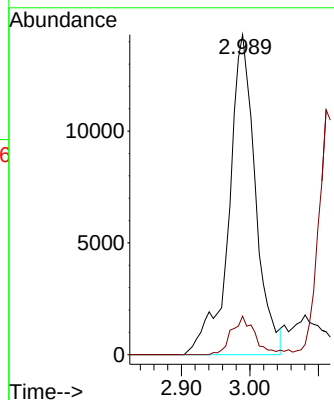
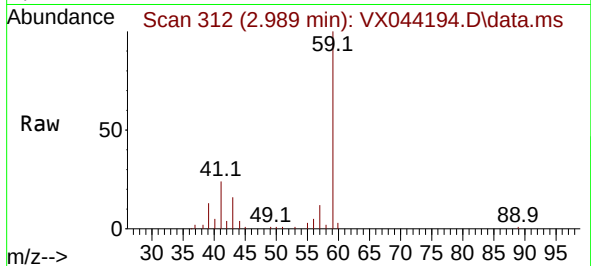




#11
Tert butyl alcohol
Concen: 102.855 ug/l
RT: 2.989 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

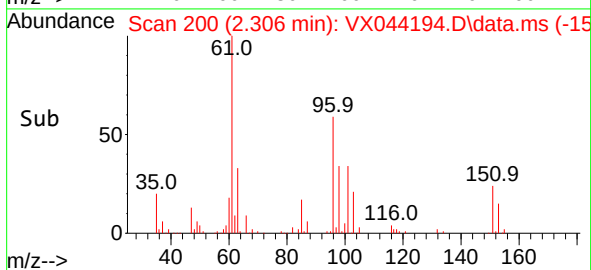
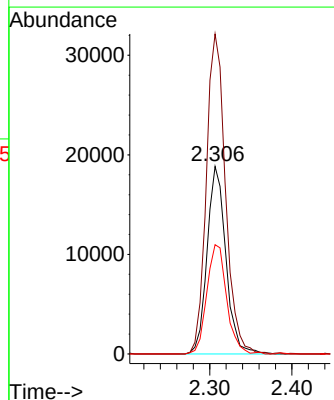
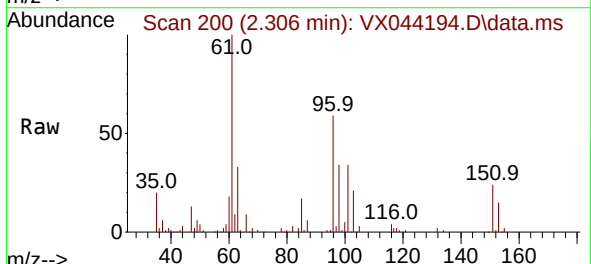
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

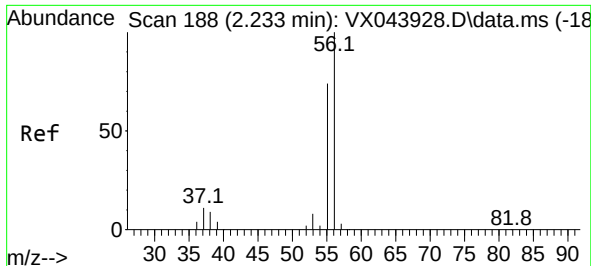
Tgt Ion: 59 Resp: 38441
Ion Ratio Lower Upper
59 100
57 10.4 7.9 11.9



#12
1,1-Dichloroethene
Concen: 19.107 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 96 Resp: 29889
Ion Ratio Lower Upper
96 100
61 170.6 135.5 203.3
98 58.3 50.8 76.2

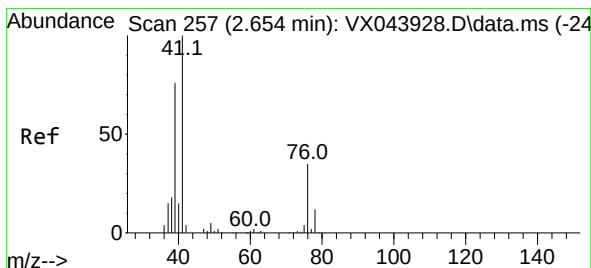
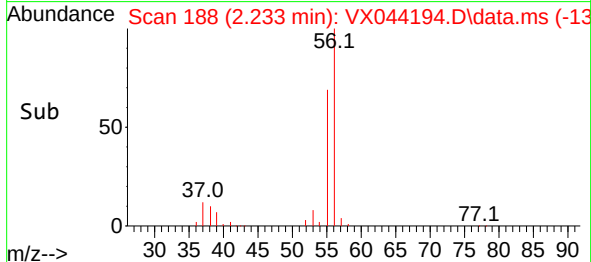
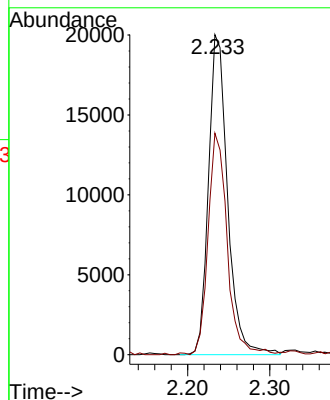
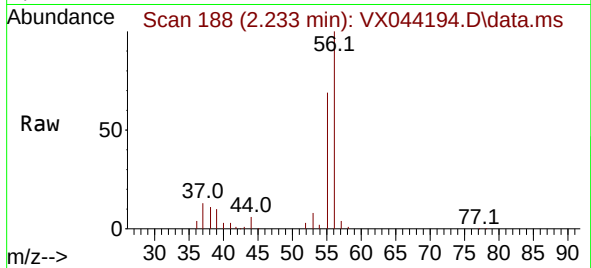




#13
Acrolein
Concen: 81.950 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

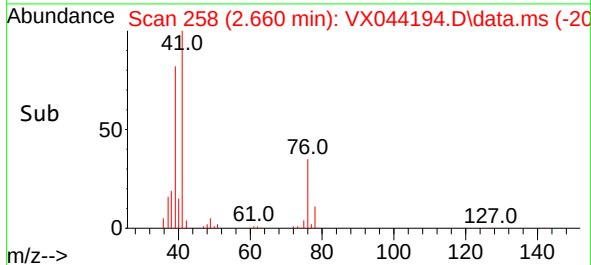
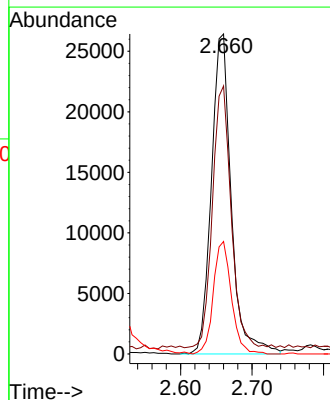
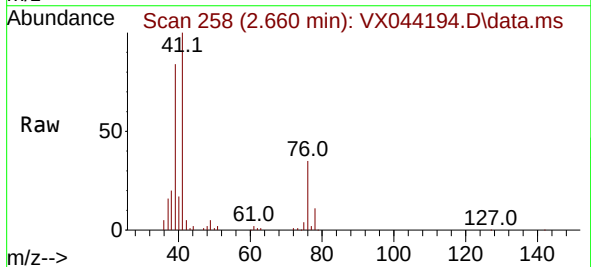
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

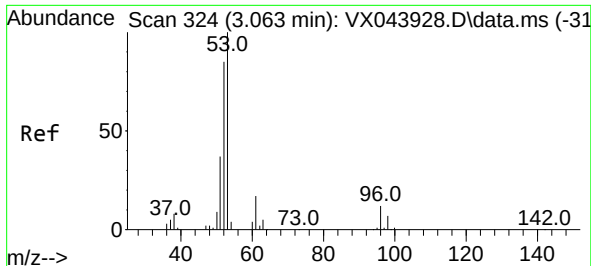
Tgt Ion: 56 Resp: 32283
Ion Ratio Lower Upper
56 100
55 69.3 58.2 87.2



#14
Allyl chloride
Concen: 19.944 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 41 Resp: 50978
Ion Ratio Lower Upper
41 100
39 77.0 59.5 89.3
76 32.0 27.4 41.2

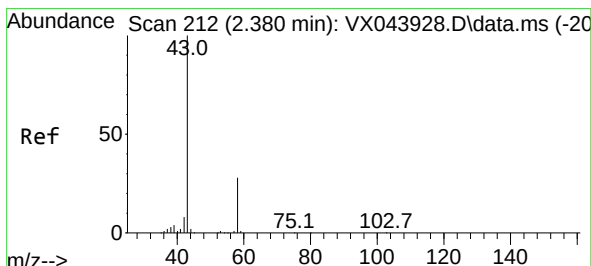
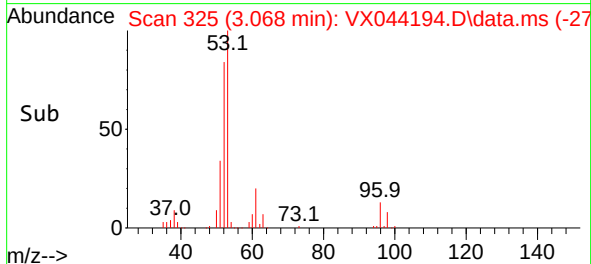
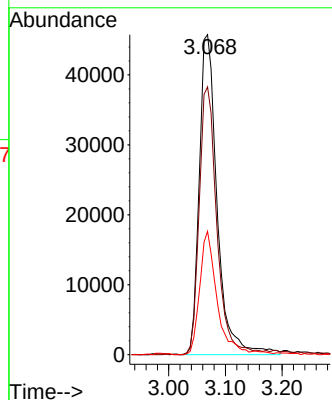
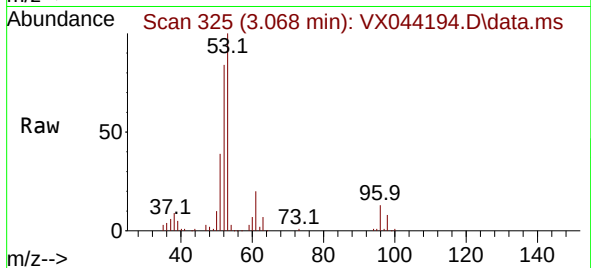




#15
Acrylonitrile
Concen: 110.322 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

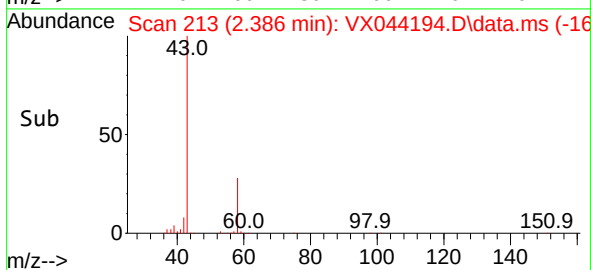
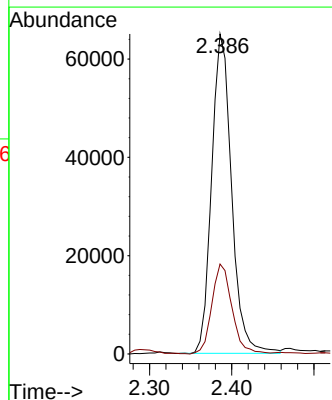
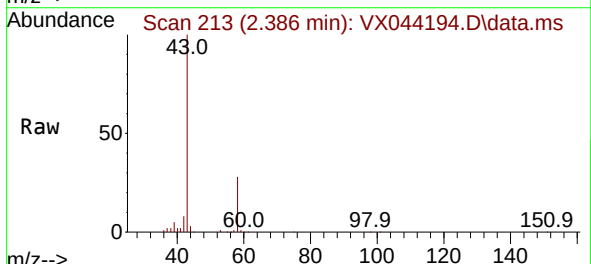
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

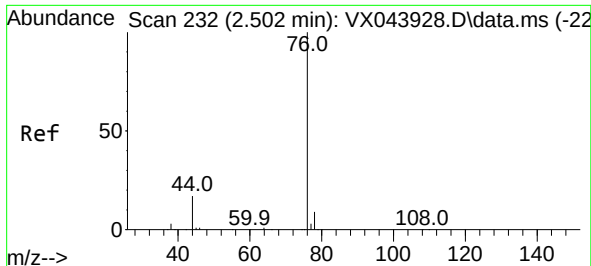
Tgt Ion: 53 Resp: 100479
Ion Ratio Lower Upper
53 100
52 82.5 66.5 99.7
51 36.9 30.2 45.4



#16
Acetone
Concen: 102.392 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 109503
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1

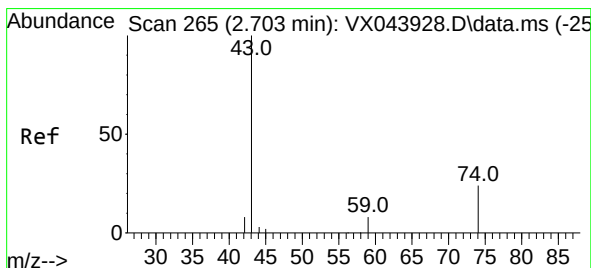
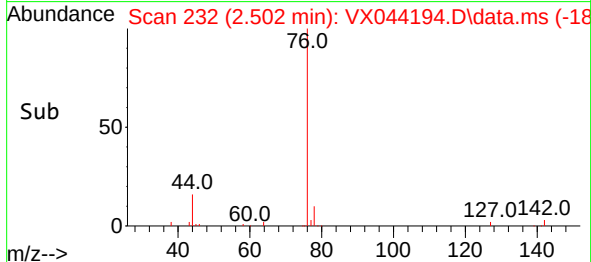
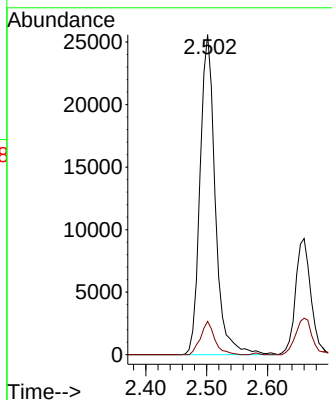
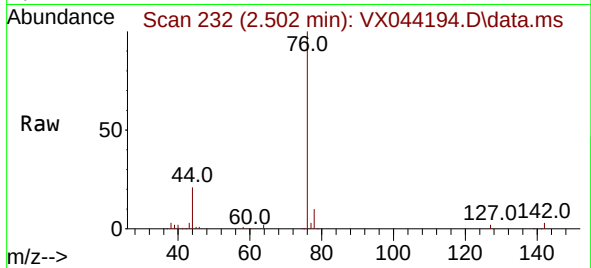




#17
Carbon Disulfide
Concen: 13.770 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

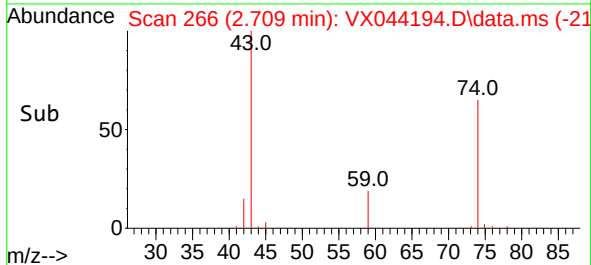
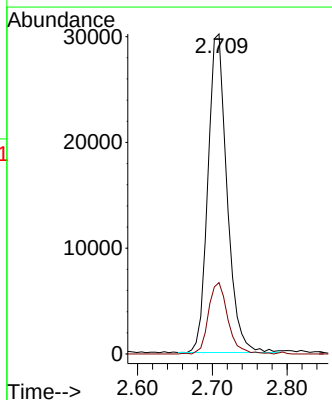
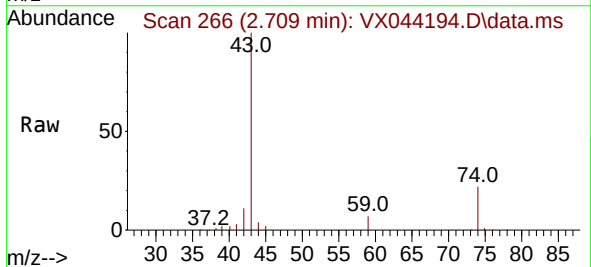
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

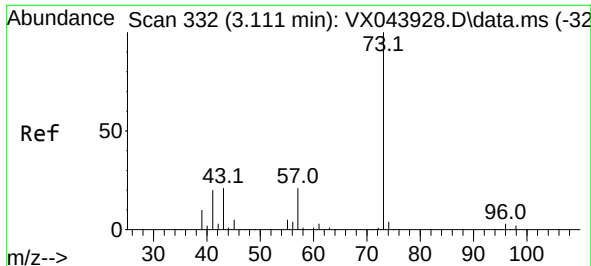
Tgt Ion: 76 Resp: 44433
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.6



#18
Methyl Acetate
Concen: 21.484 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 53505
Ion Ratio Lower Upper
43 100
74 22.8 18.9 28.3

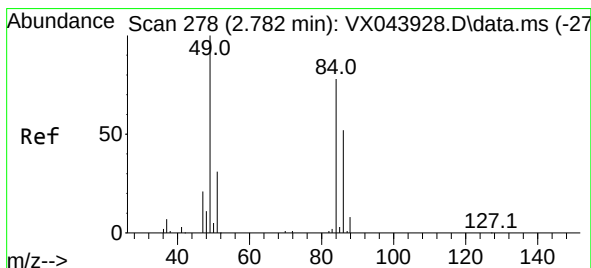
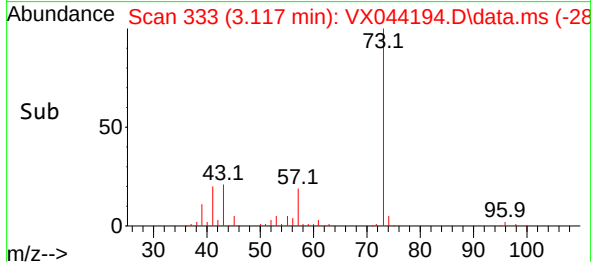
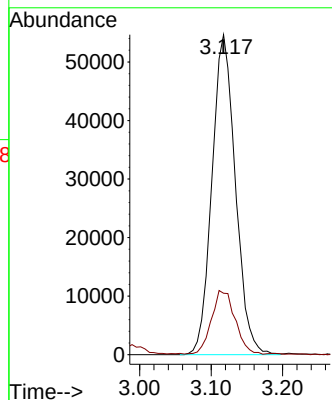
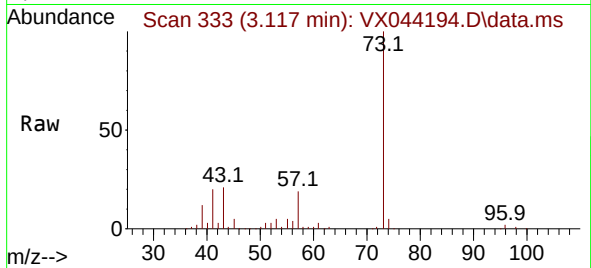




#19
Methyl tert-butyl Ether
Concen: 21.944 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

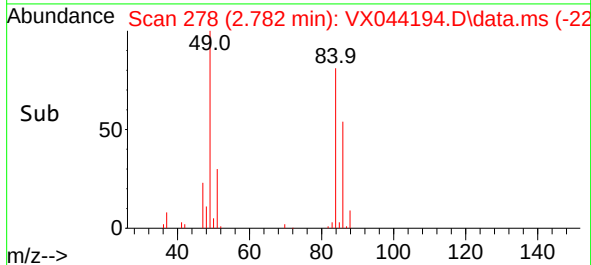
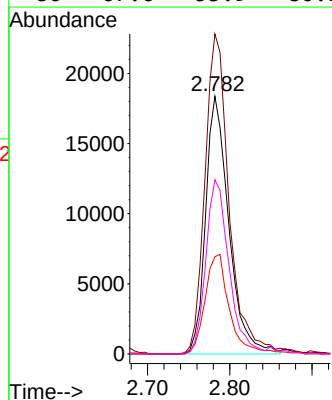
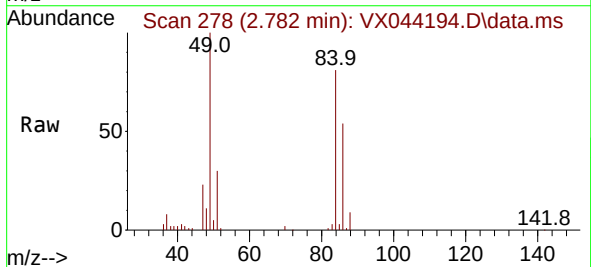
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

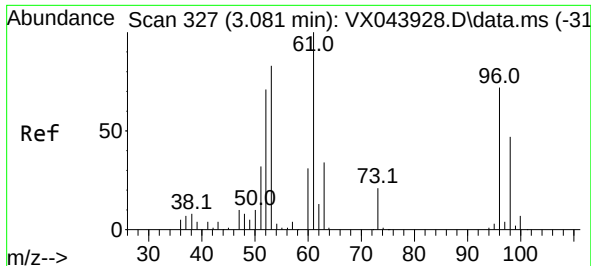
Tgt Ion: 73 Resp: 124639
Ion Ratio Lower Upper
73 100
57 18.9 17.0 25.6



#20
Methylene Chloride
Concen: 19.940 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 84 Resp: 36188
Ion Ratio Lower Upper
84 100
49 124.2 102.7 154.1
51 37.8 31.7 47.5
86 67.6 53.9 80.9

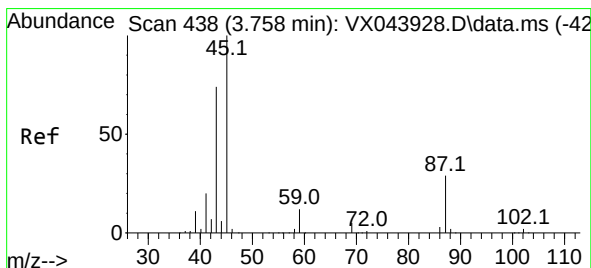
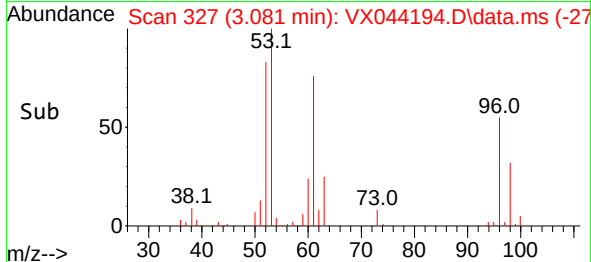
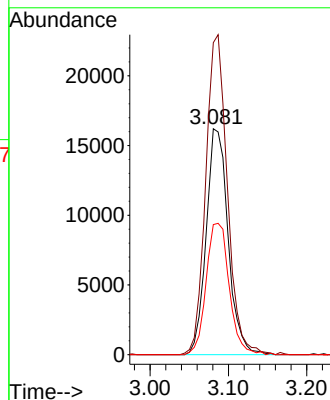
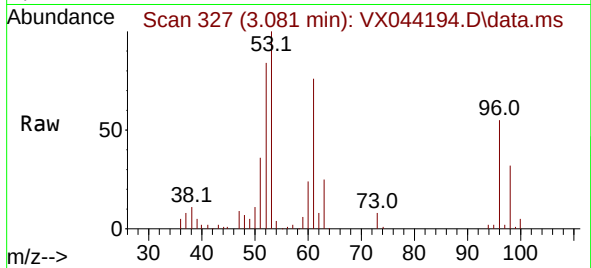




#21
trans-1,2-Dichloroethene
Concen: 19.504 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

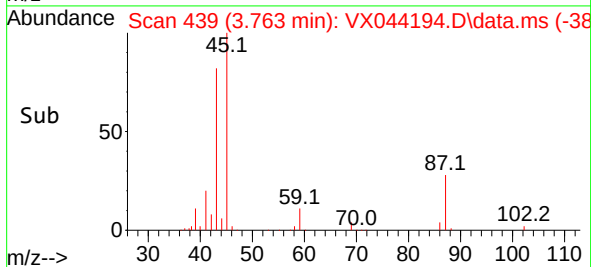
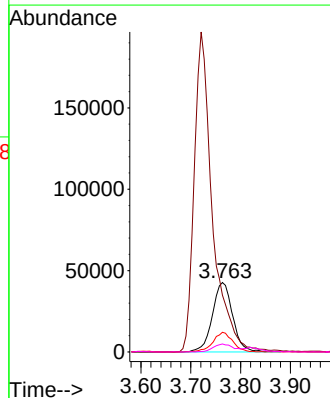
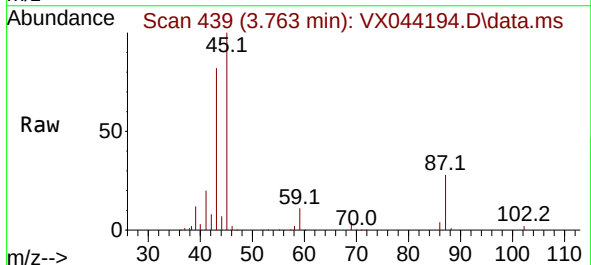
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

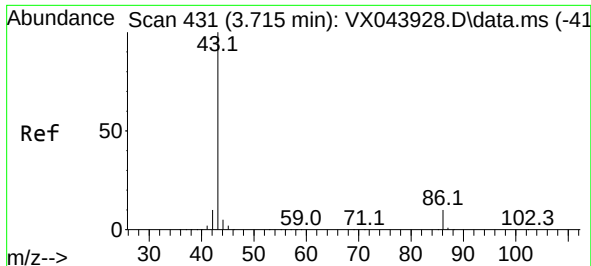
Tgt Ion: 96 Resp: 31501
Ion Ratio Lower Upper
96 100
61 138.2 111.8 167.6
98 57.6 52.7 79.1



#22
Diisopropyl ether
Concen: 22.043 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 45 Resp: 120480
Ion Ratio Lower Upper
45 100
43 81.2 59.6 89.4
87 28.4 22.9 34.3
59 11.5 9.8 14.6

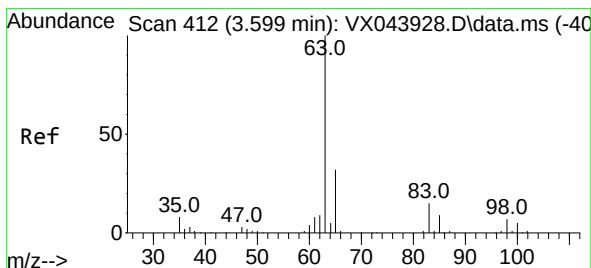
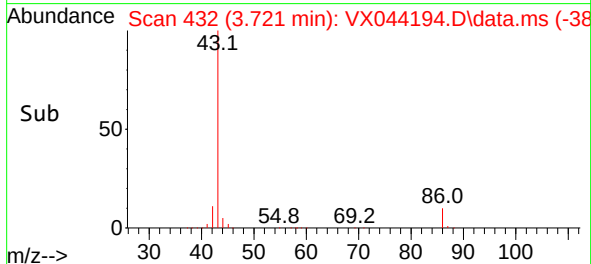
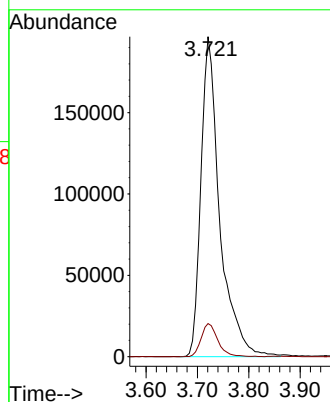
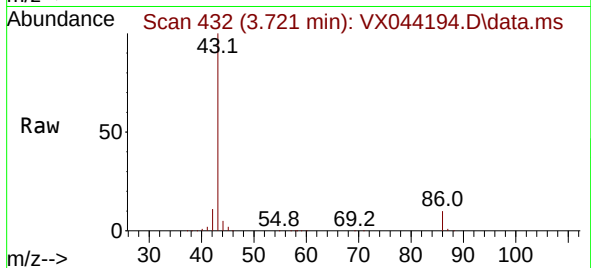




#23
Vinyl Acetate
Concen: 106.772 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

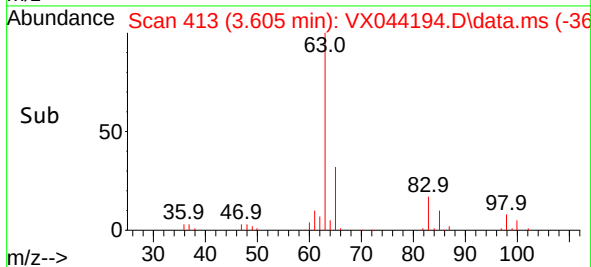
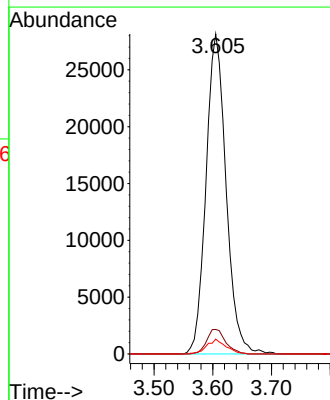
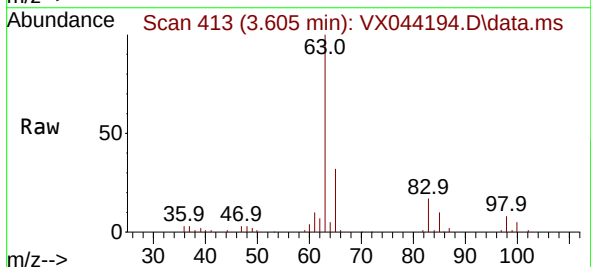
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

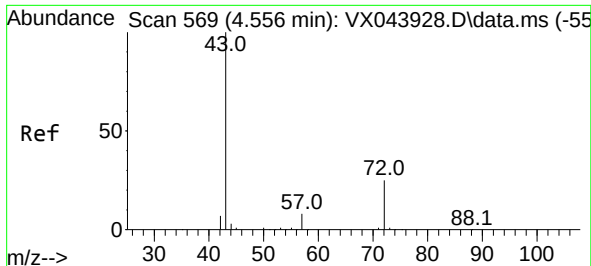
Tgt Ion: 43 Resp: 499223
Ion Ratio Lower Upper
43 100
86 10.3 8.3 12.5



#24
1,1-Dichloroethane
Concen: 21.208 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 63 Resp: 66871
Ion Ratio Lower Upper
63 100
98 7.6 3.5 10.6
100 4.6 2.4 7.1

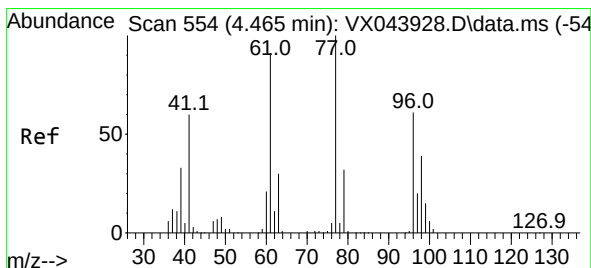
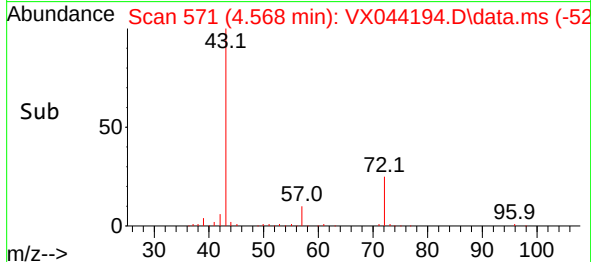
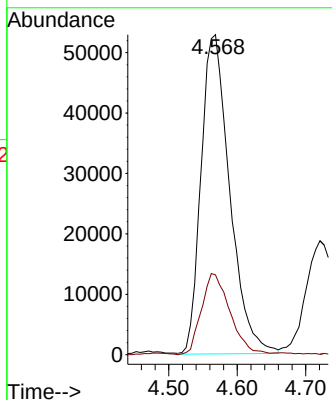
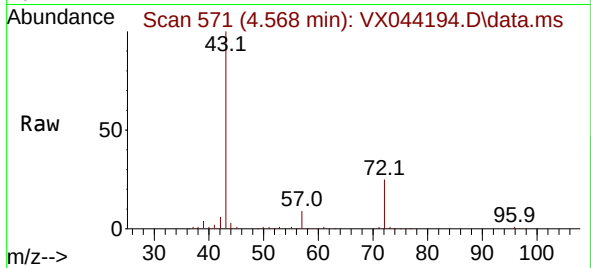




#25
2-Butanone
Concen: 111.678 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

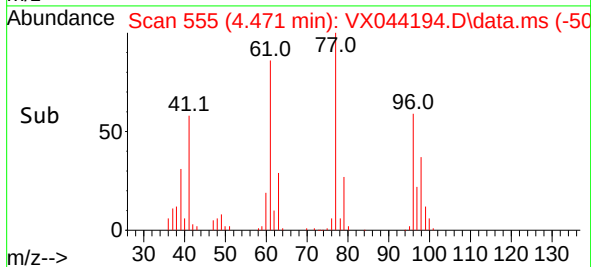
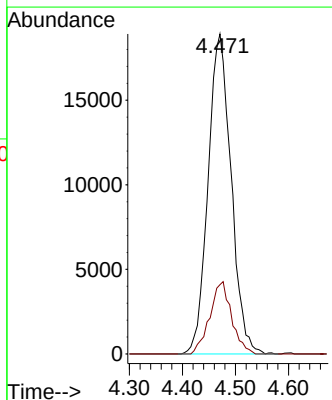
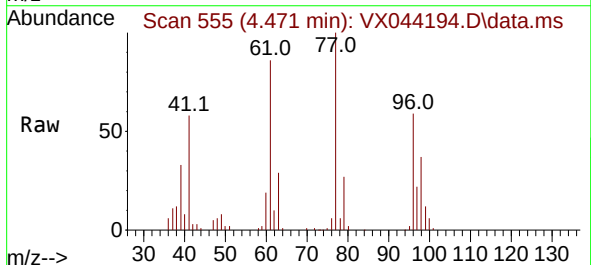
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

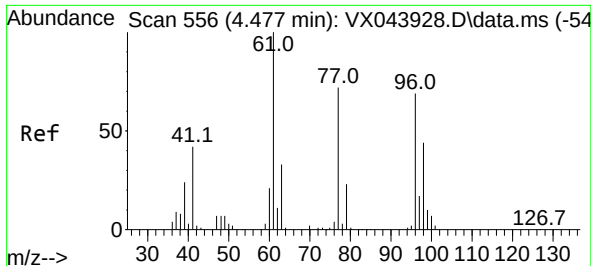
Tgt Ion: 43 Resp: 154107
Ion Ratio Lower Upper
43 100
72 25.0 20.2 30.2



#26
2,2-Dichloropropane
Concen: 20.046 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 77 Resp: 57084
Ion Ratio Lower Upper
77 100
97 21.3 10.8 32.3

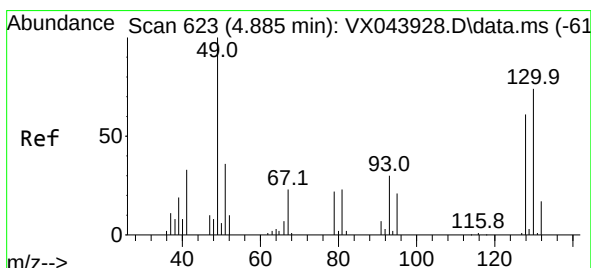
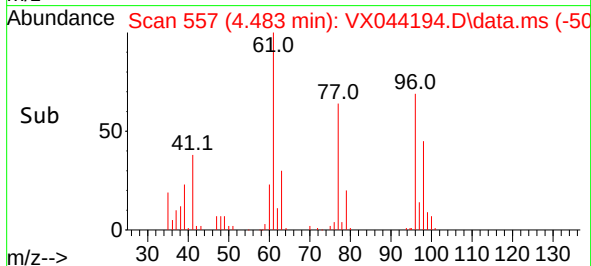
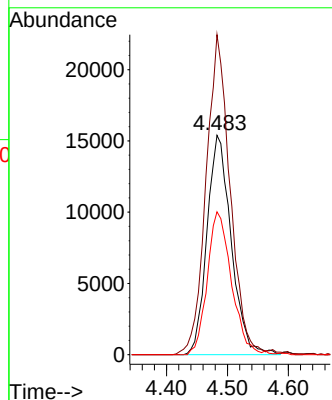
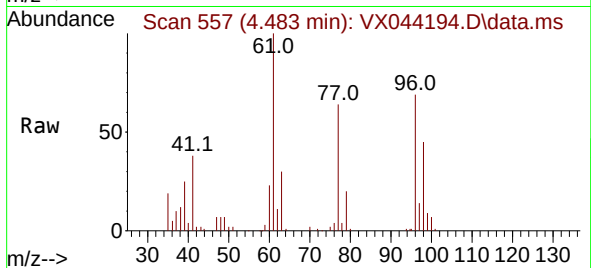




#27
 cis-1,2-Dichloroethene
 Concen: 21.285 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX044194.D
 Acq: 09 Dec 2024 17:37

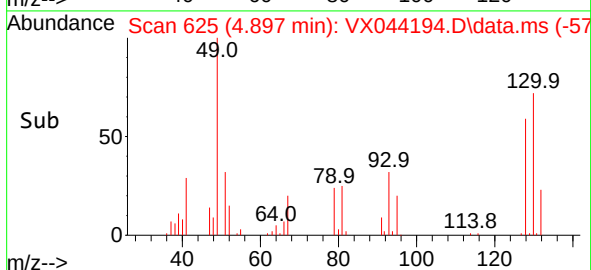
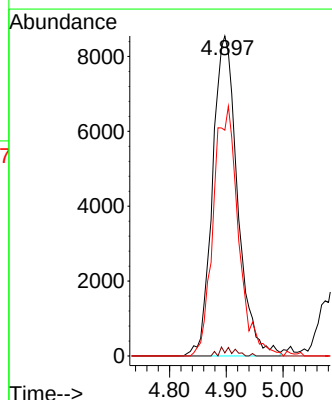
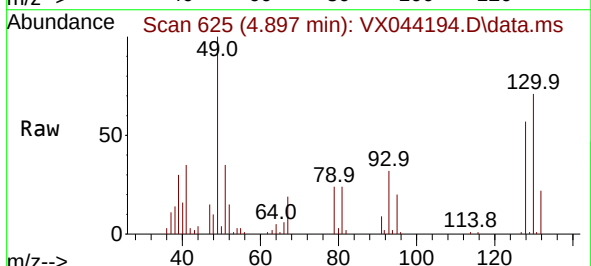
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBSD01

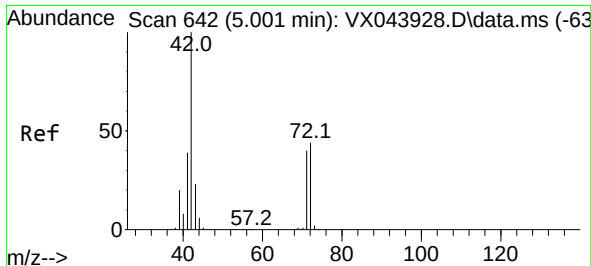
Tgt Ion: 96 Resp: 42493
 Ion Ratio Lower Upper
 96 100
 61 145.8 0.0 297.4
 98 65.1 0.0 127.8



#28
 Bromochloromethane
 Concen: 18.884 ug/l
 RT: 4.897 min Scan# 625
 Delta R.T. 0.012 min
 Lab File: VX044194.D
 Acq: 09 Dec 2024 17:37

Tgt Ion: 49 Resp: 26209
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 4.0
 130 78.2 59.0 88.6





#29

Tetrahydrofuran

Concen: 112.677 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

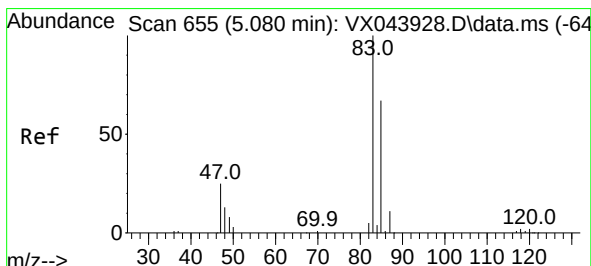
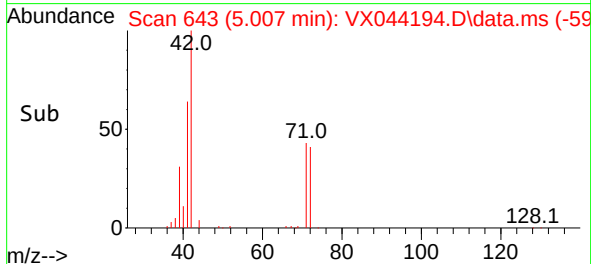
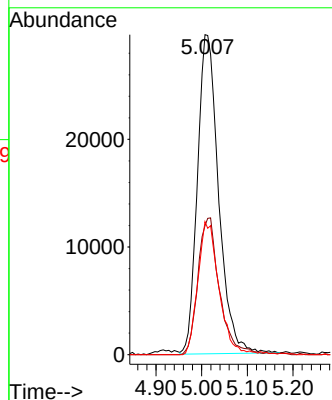
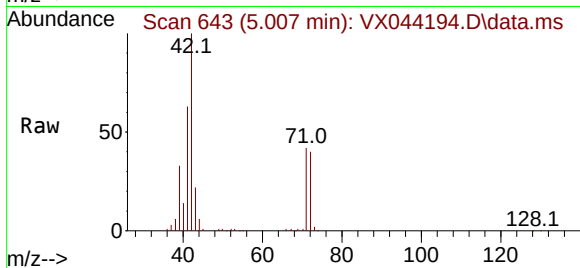
Tgt Ion: 42 Resp: 95322

Ion Ratio Lower Upper

42 100

72 43.6 36.4 54.6

71 41.4 33.4 50.0



#30

Chloroform

Concen: 22.344 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044194.D

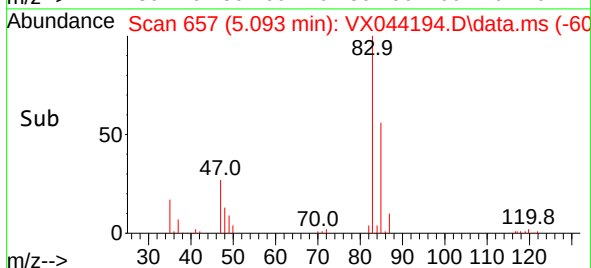
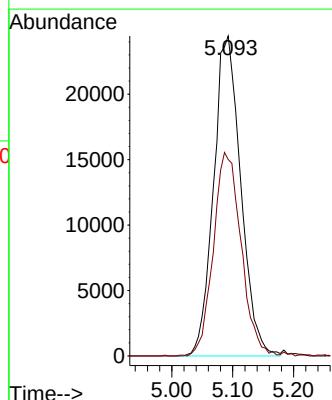
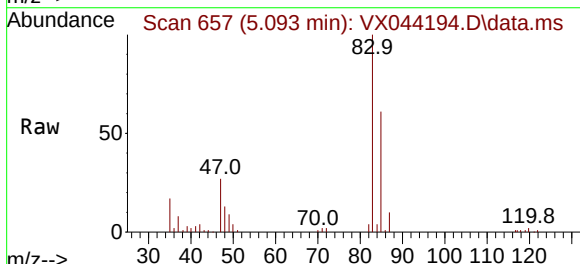
Acq: 09 Dec 2024 17:37

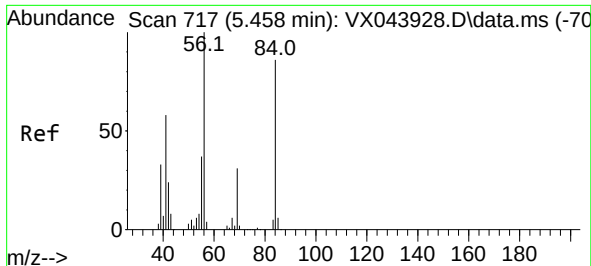
Tgt Ion: 83 Resp: 75775

Ion Ratio Lower Upper

83 100

85 61.2 53.5 80.3

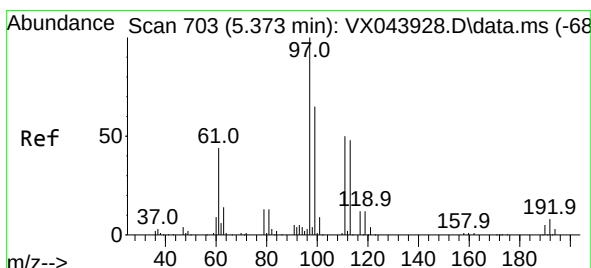
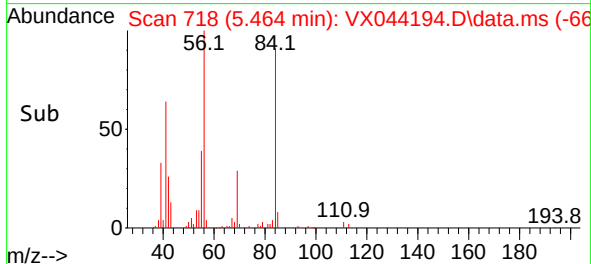
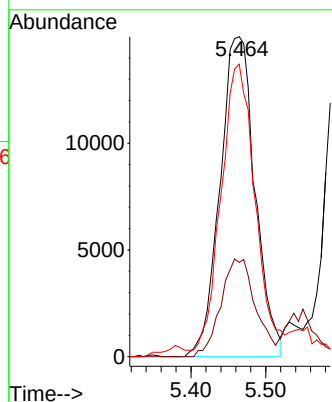
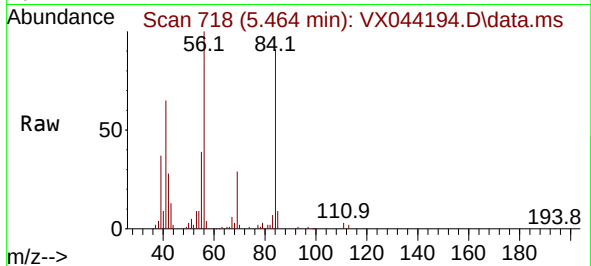




#31
Cyclohexane
Concen: 18.811 ug/l
RT: 5.464 min Scan# 717
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

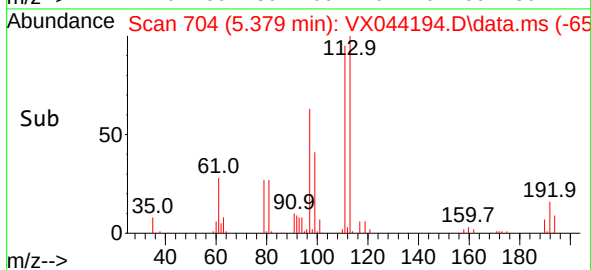
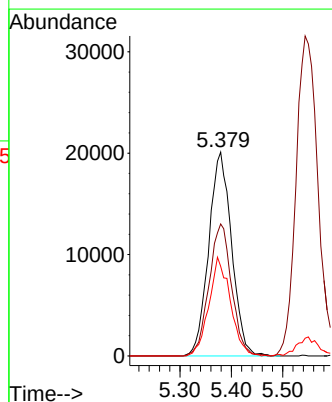
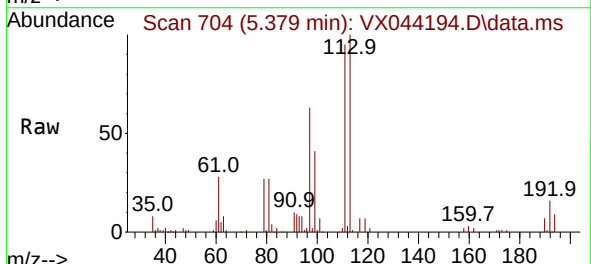
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

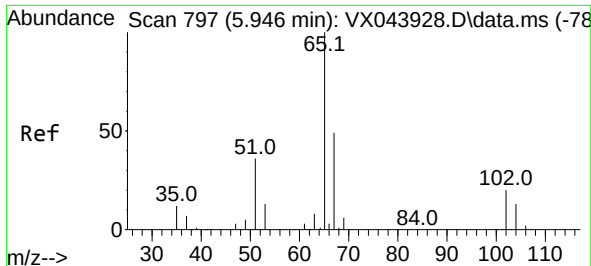
Tgt Ion: 56 Resp: 48818
Ion Ratio Lower Upper
56 100
69 29.5 24.7 37.1
84 88.5 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 21.257 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 97 Resp: 62168
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 45.6 35.4 53.2

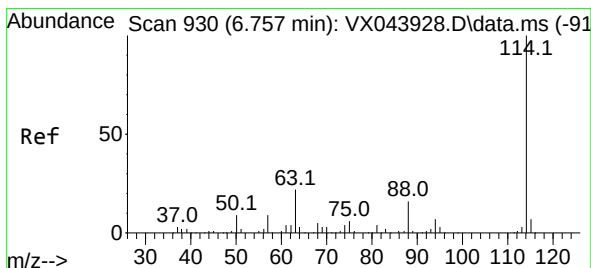
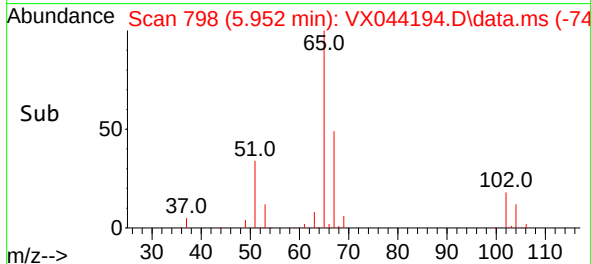
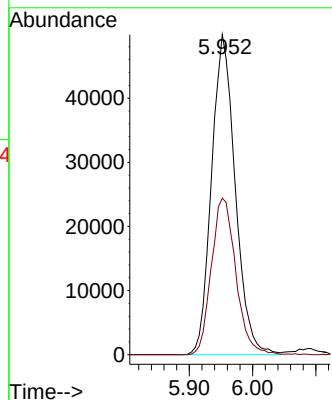
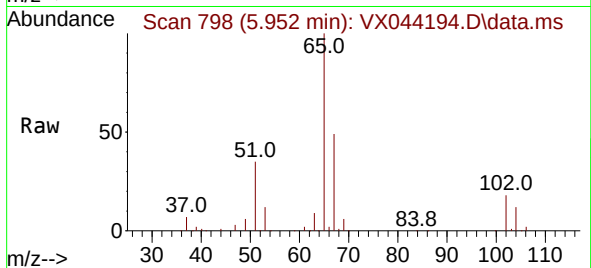




#33
1,2-Dichloroethane-d4
Concen: 55.739 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

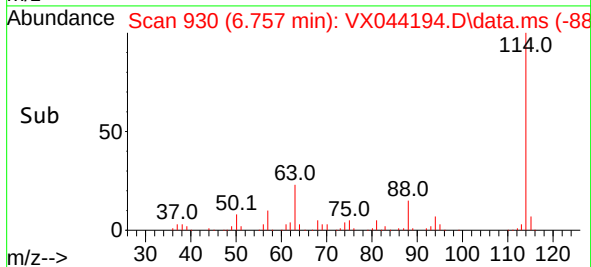
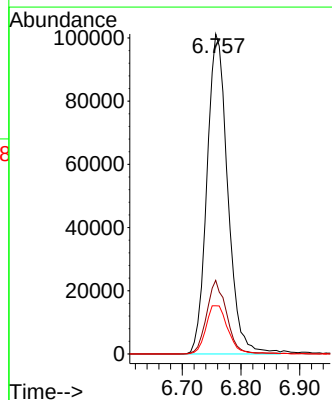
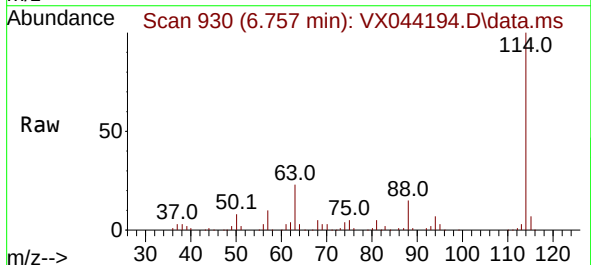
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

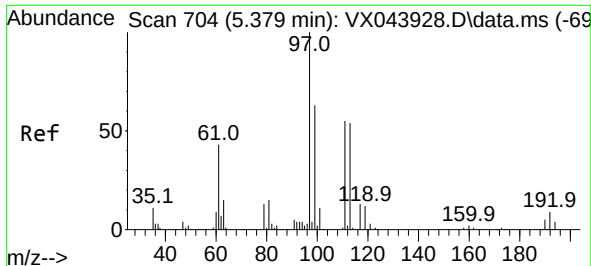
Tgt Ion: 65 Resp: 129787
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 114 Resp: 248673
Ion Ratio Lower Upper
114 100
63 23.0 0.0 44.0
88 15.1 0.0 32.4

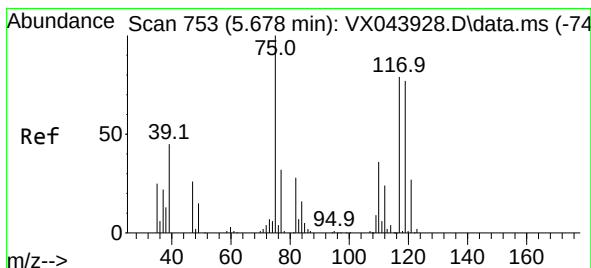
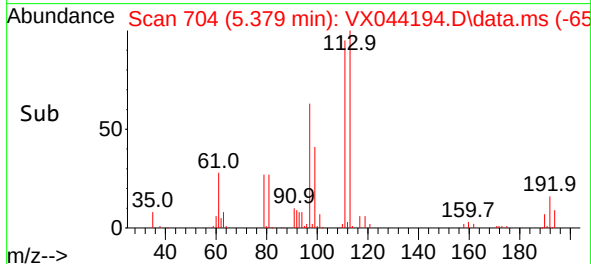
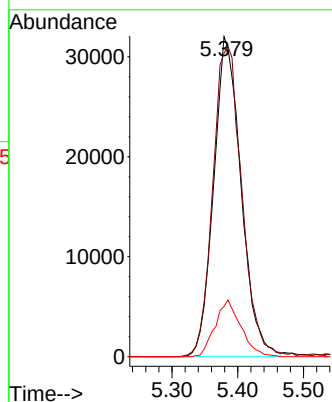
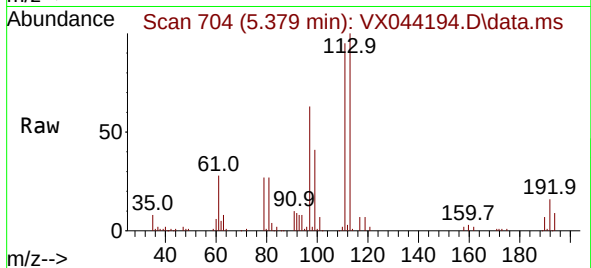




#35
Dibromofluoromethane
Concen: 52.041 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

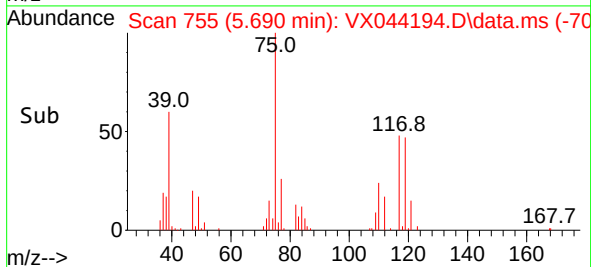
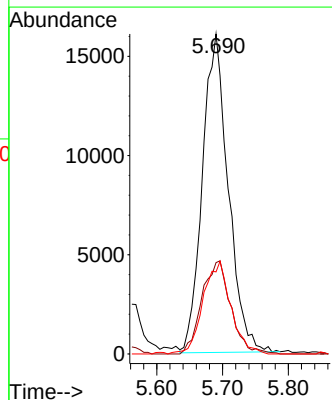
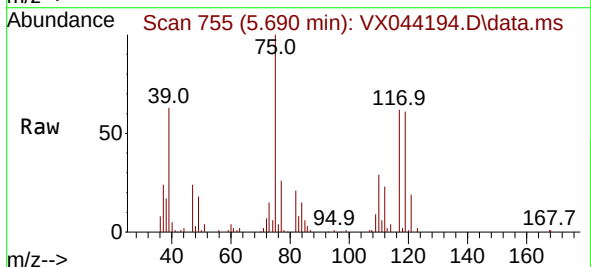
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

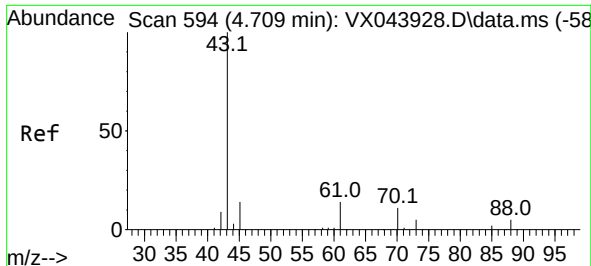
Tgt Ion:113 Resp: 92471
Ion Ratio Lower Upper
113 100
111 102.8 81.0 121.4
192 16.7 13.0 19.6



#36
1,1-Dichloropropene
Concen: 19.838 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 43925
Ion Ratio Lower Upper
75 100
110 32.5 17.4 52.2
77 31.1 25.8 38.8





#37

Ethyl Acetate

Concen: 20.961 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

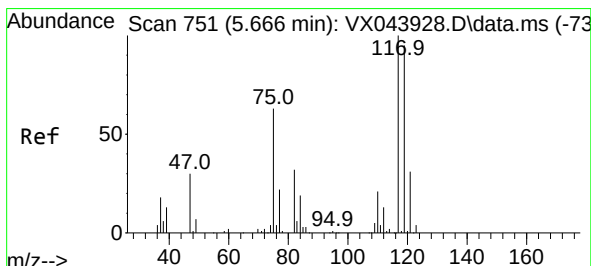
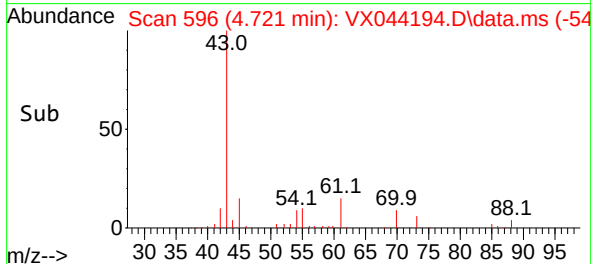
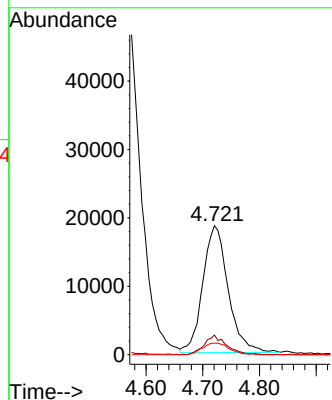
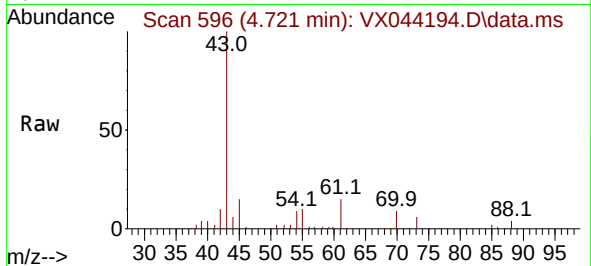
Tgt Ion: 43 Resp: 57613

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

70 9.7 8.0 12.0



#38

Carbon Tetrachloride

Concen: 19.358 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.012 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

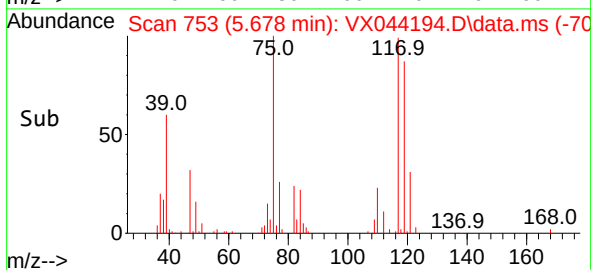
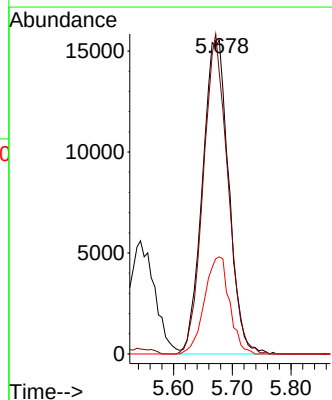
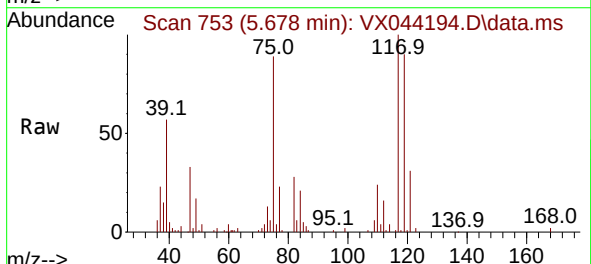
Tgt Ion: 117 Resp: 48162

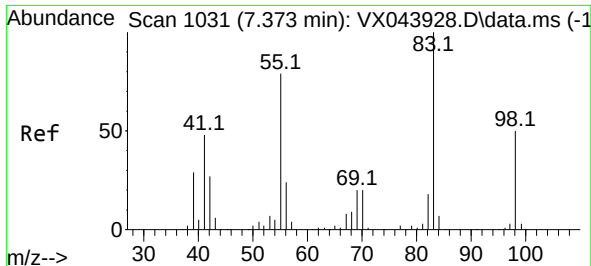
Ion Ratio Lower Upper

117 100

119 89.8 75.2 112.8

121 30.9 24.5 36.7





#39

Methylcyclohexane

Concen: 18.397 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

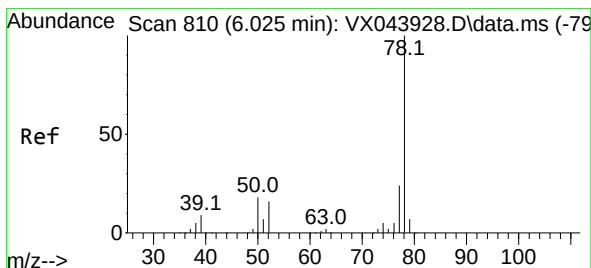
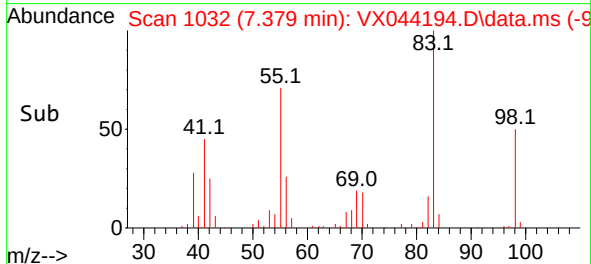
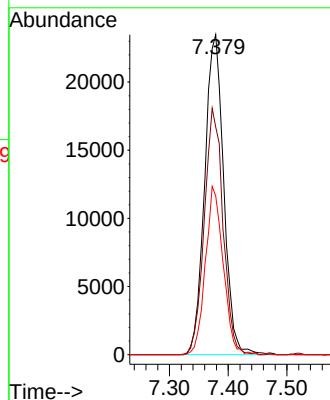
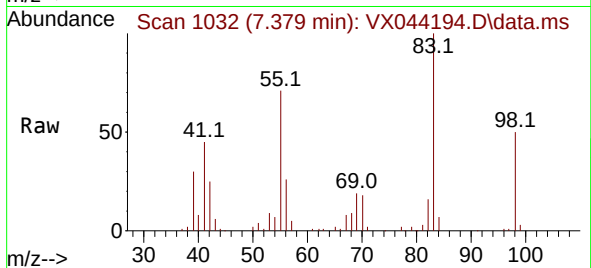
Tgt Ion: 83 Resp: 52919

Ion Ratio Lower Upper

83 100

55 71.1 63.1 94.7

98 49.6 40.0 60.0



#40

Benzene

Concen: 20.242 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044194.D

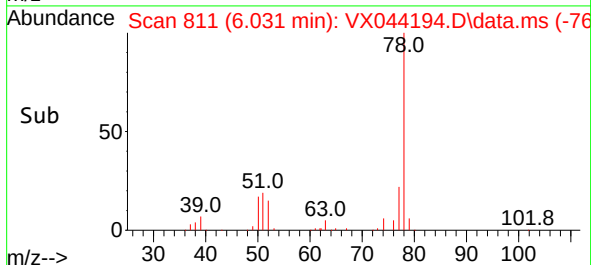
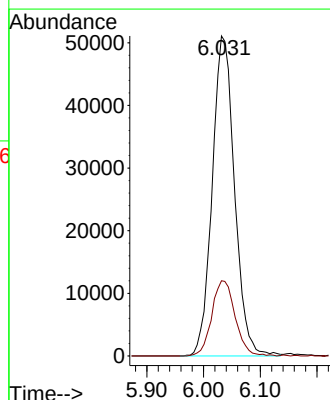
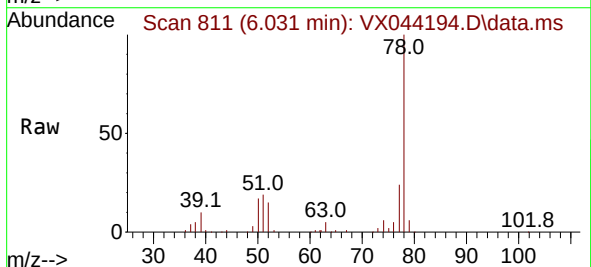
Acq: 09 Dec 2024 17:37

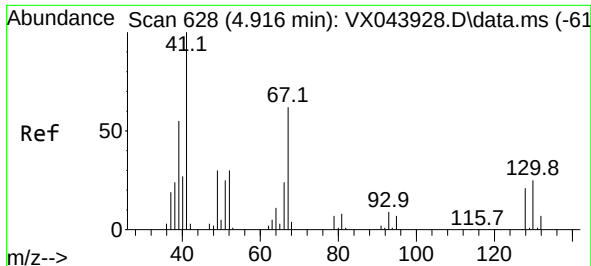
Tgt Ion: 78 Resp: 139613

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

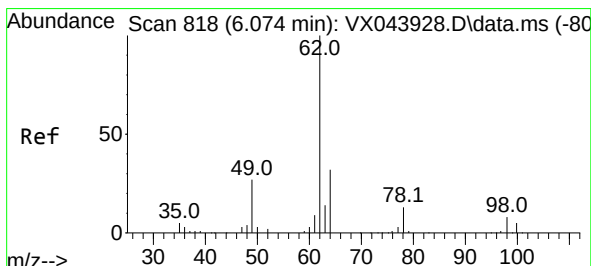
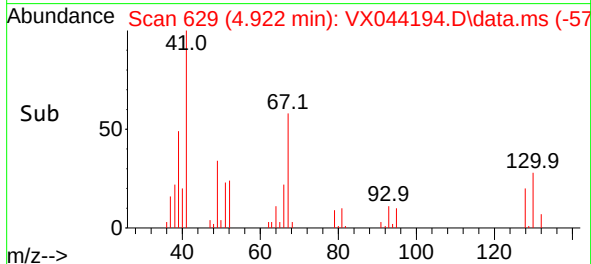
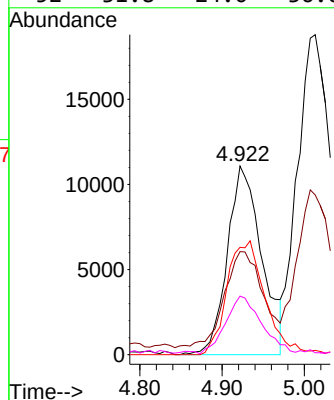
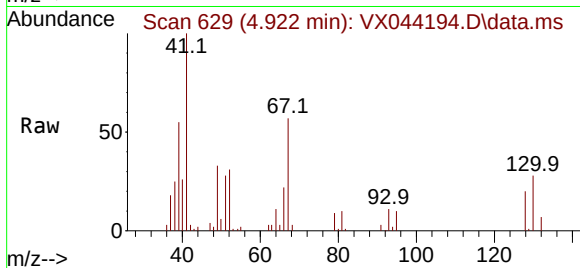




#41
Methacrylonitrile
Concen: 22.901 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

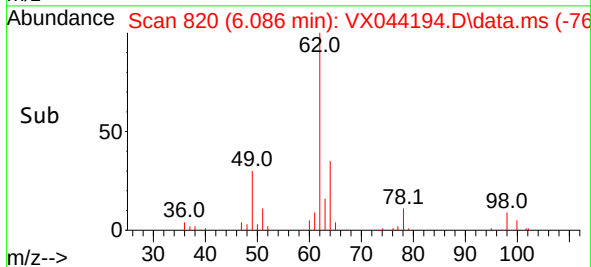
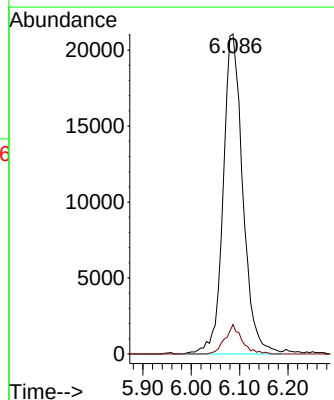
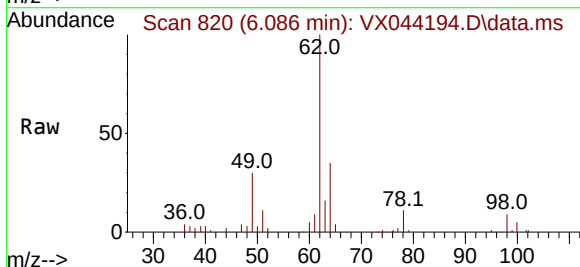
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

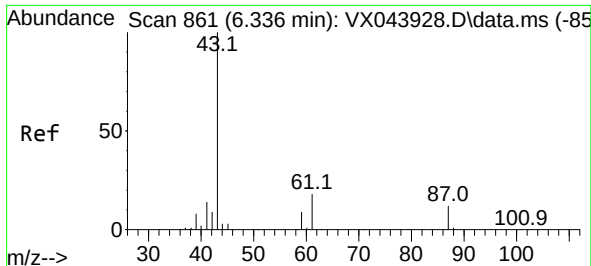
Tgt Ion: 41	Resp: 32217
Ion Ratio	Lower Upper
41 100	
39 57.4	41.7 62.5
67 67.1	55.8 83.8
52 31.8	24.0 36.0



#42
1,2-Dichloroethane
Concen: 21.488 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 62	Resp: 59522
Ion Ratio	Lower Upper
62 100	
98 7.9	0.0 16.4

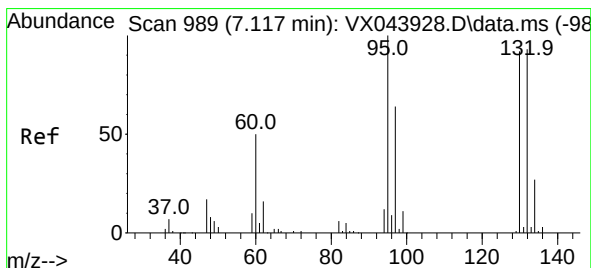
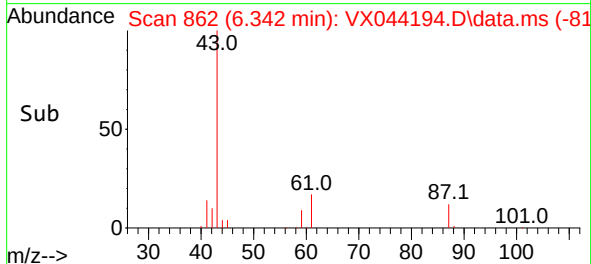
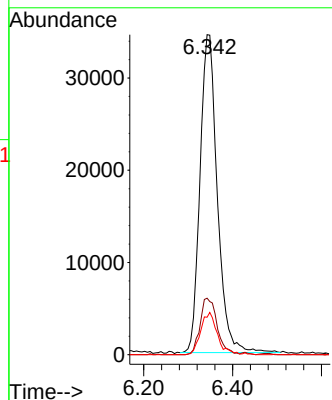
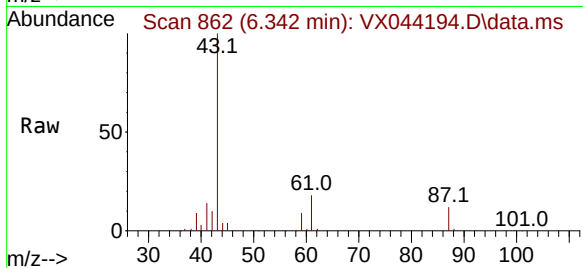




#43
Isopropyl Acetate
Concen: 21.416 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

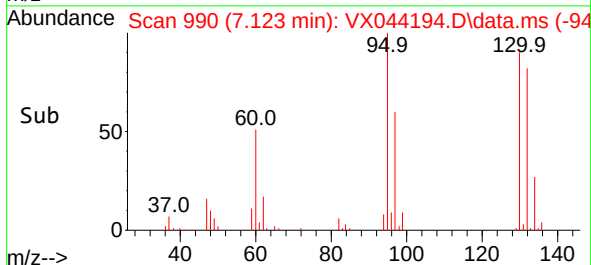
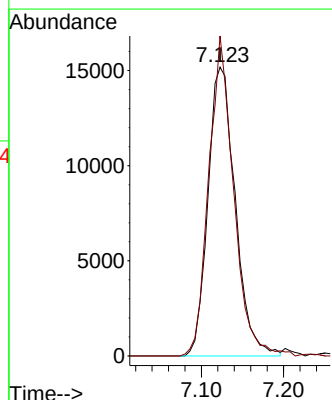
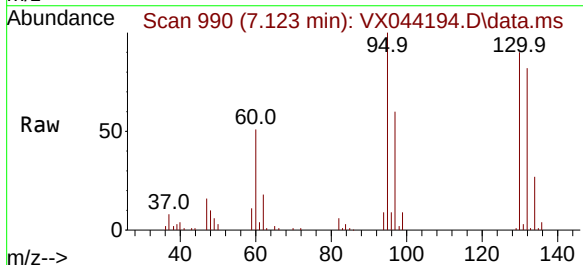
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

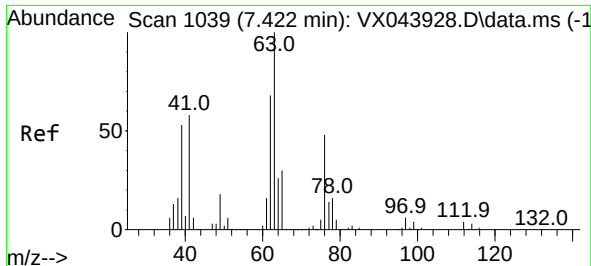
Tgt Ion: 43 Resp: 93678
Ion Ratio Lower Upper
43 100
61 17.5 14.5 21.7
87 12.7 10.2 15.2



#44
Trichloroethene
Concen: 17.932 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:130 Resp: 35012
Ion Ratio Lower Upper
130 100
95 110.8 0.0 217.8





#45

1,2-Dichloropropane

Concen: 19.955 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

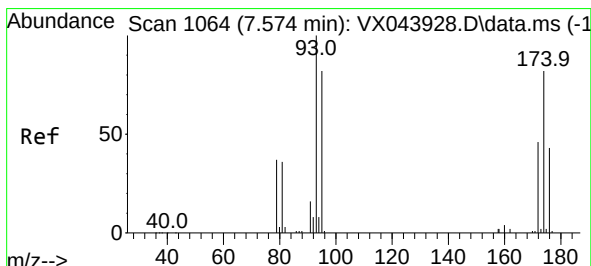
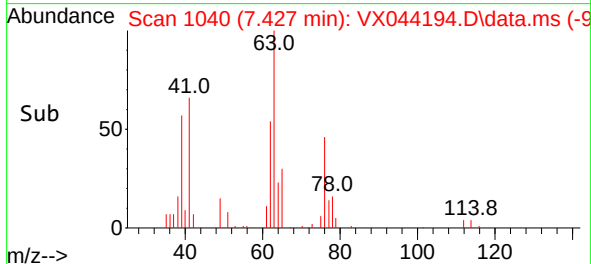
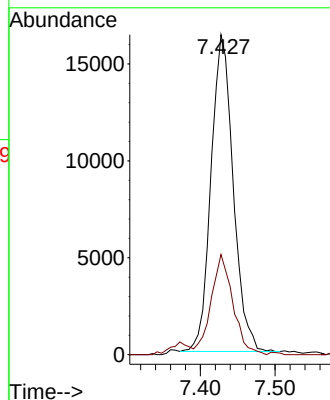
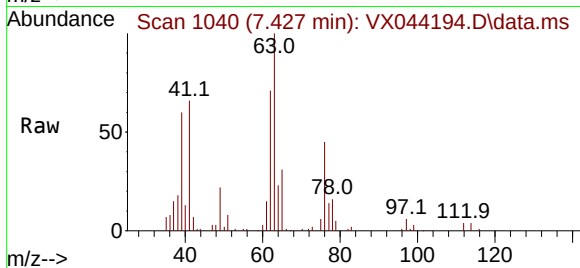
VX1209WBSD01

Tgt Ion: 63 Resp: 33709

Ion Ratio Lower Upper

63 100

65 31.1 23.8 35.6



#46

Dibromomethane

Concen: 21.376 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

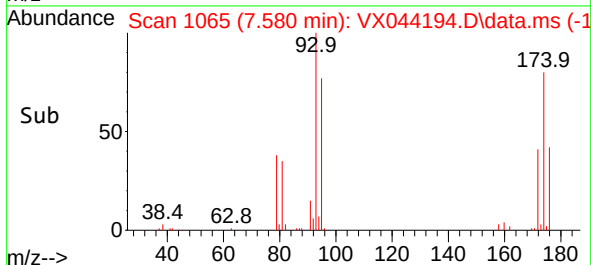
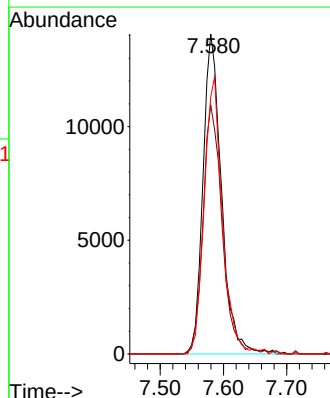
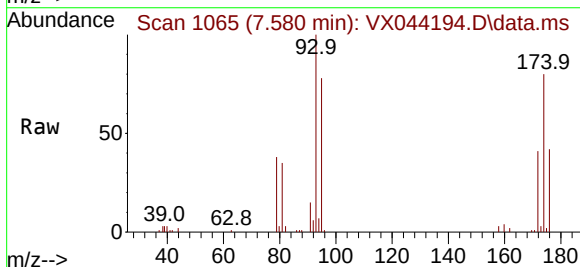
Tgt Ion: 93 Resp: 28564

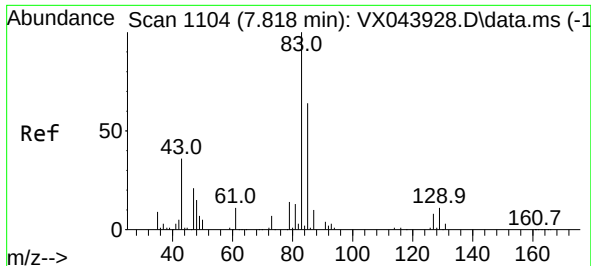
Ion Ratio Lower Upper

93 100

95 80.3 66.2 99.4

174 85.4 69.6 104.4





#47

Bromodichloromethane

Concen: 20.355 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

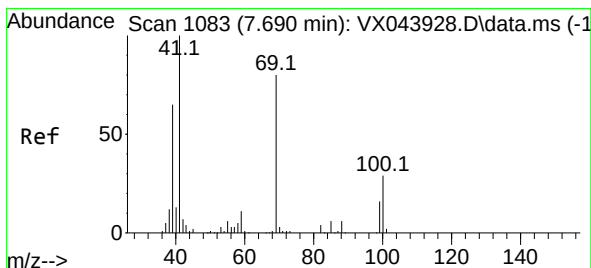
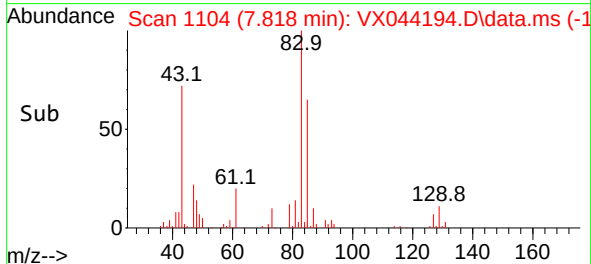
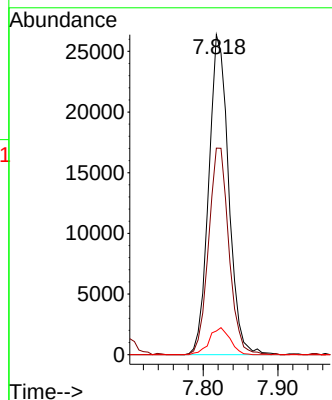
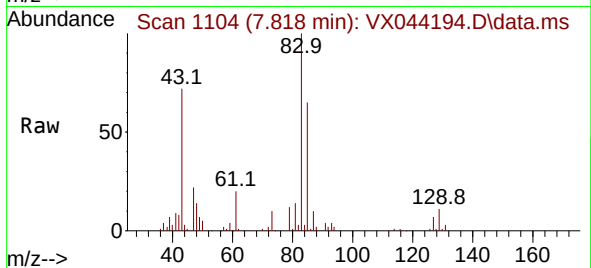
Tgt Ion: 83 Resp: 48783

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.0

127 7.4 6.6 10.0



#48

Methyl methacrylate

Concen: 20.669 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

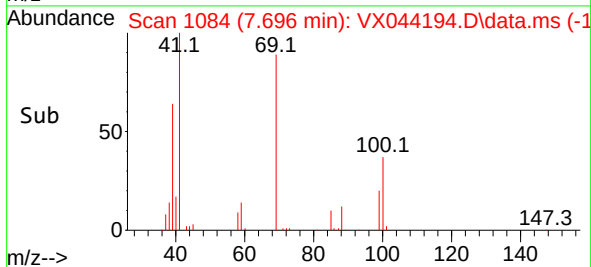
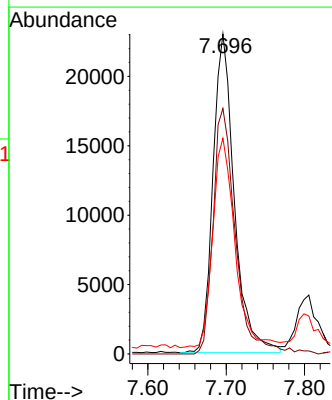
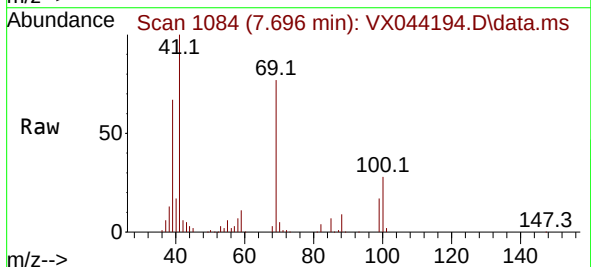
Tgt Ion: 41 Resp: 43383

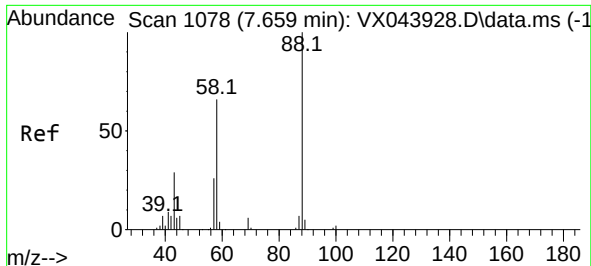
Ion Ratio Lower Upper

41 100

69 81.3 64.6 97.0

39 67.8 53.3 79.9

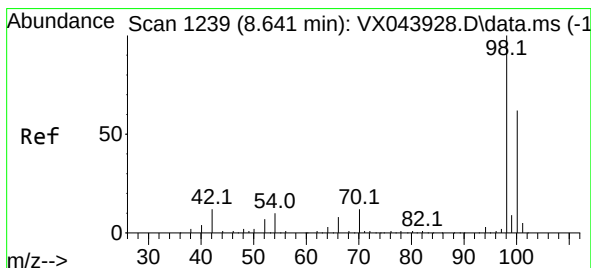
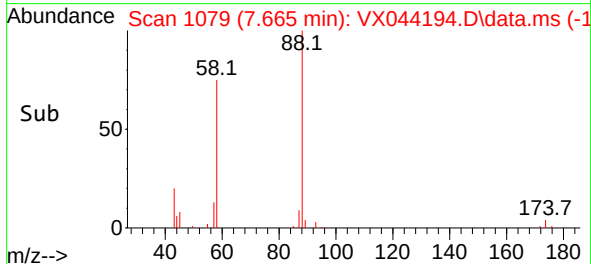
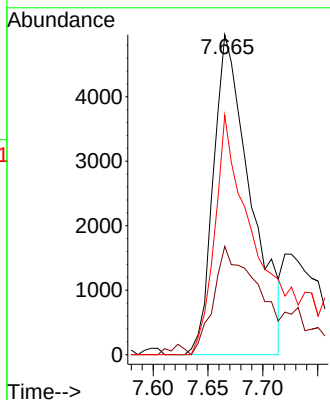
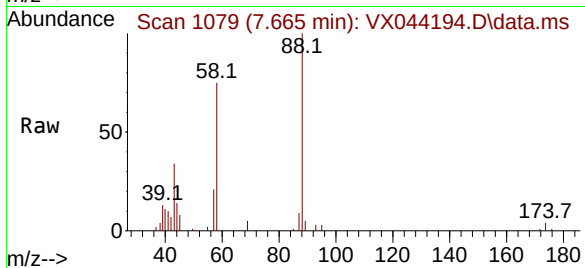




#49
1,4-Dioxane
Concen: 312.640 ug/l
RT: 7.665 min Scan# 11689
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

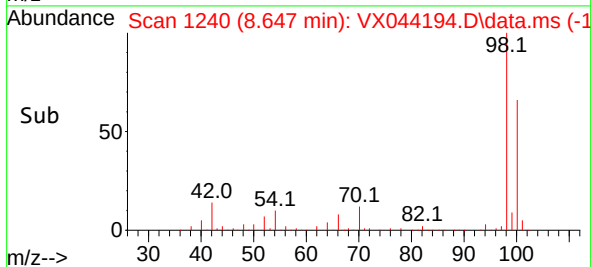
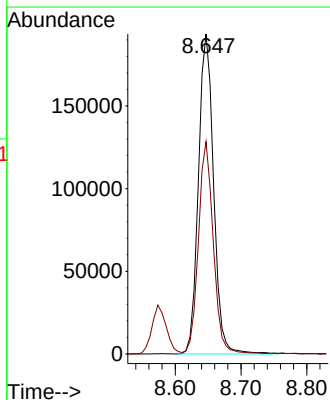
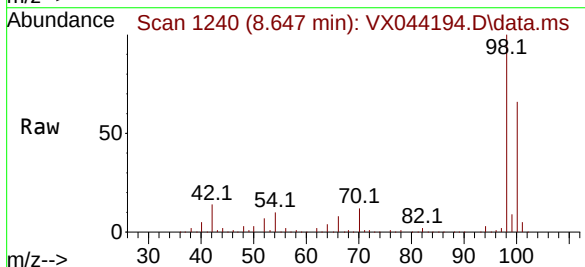
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

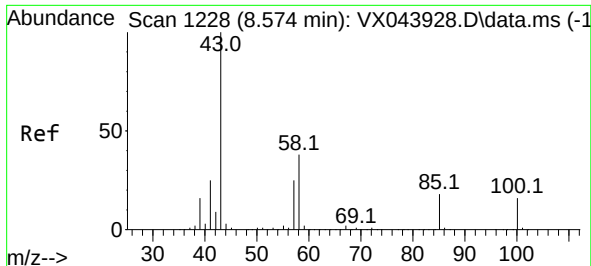
Tgt Ion: 88 Resp: 11689
Ion Ratio Lower Upper
88 100
43 40.1 26.8 40.2
58 96.9 45.4 68.2#



#50
Toluene-d8
Concen: 50.866 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 98 Resp: 311560
Ion Ratio Lower Upper
98 100
100 64.5 52.6 79.0

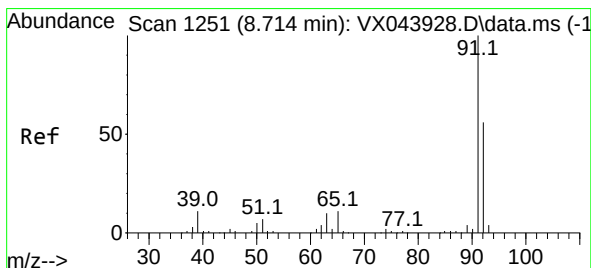
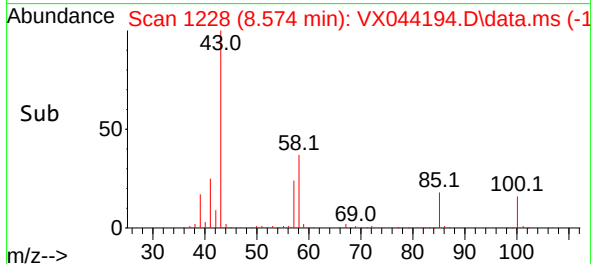
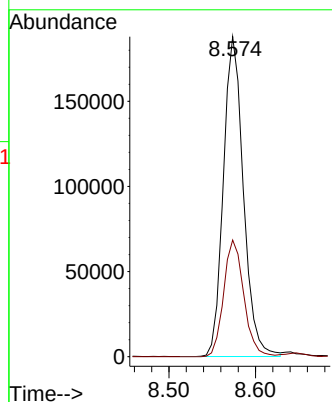
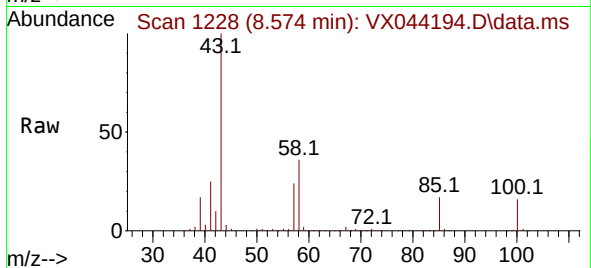




#51
4-Methyl-2-Pentanone
Concen: 113.171 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

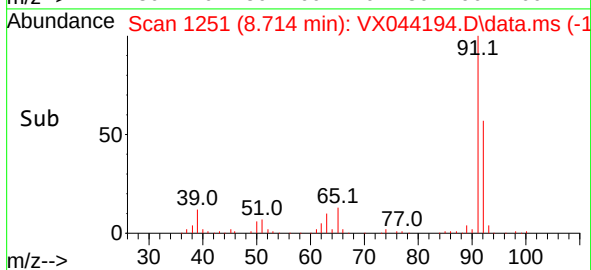
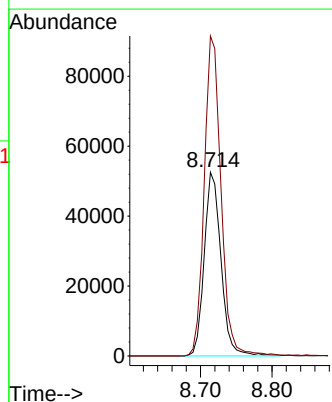
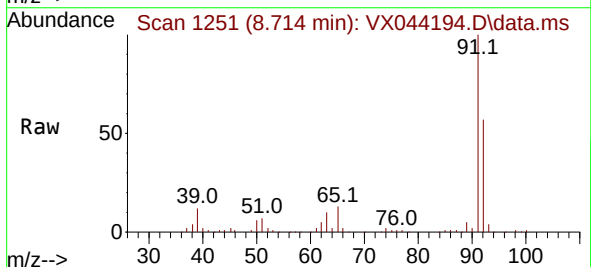
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

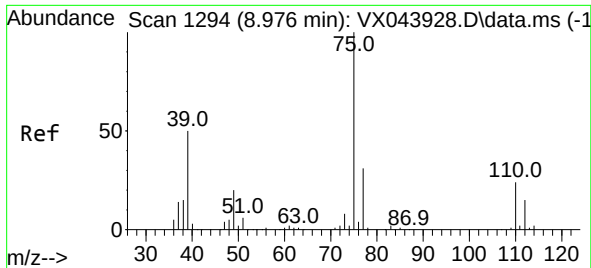
Tgt Ion: 43 Resp: 302094
Ion Ratio Lower Upper
43 100
58 36.7 30.0 45.0



#52
Toluene
Concen: 20.808 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 92 Resp: 85899
Ion Ratio Lower Upper
92 100
91 174.0 139.7 209.5

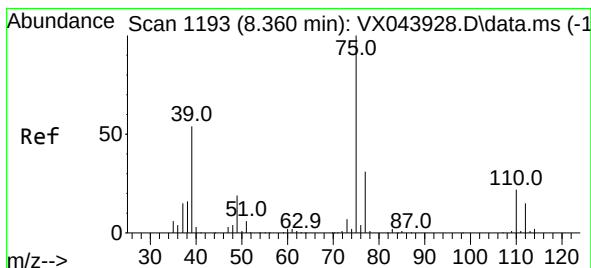
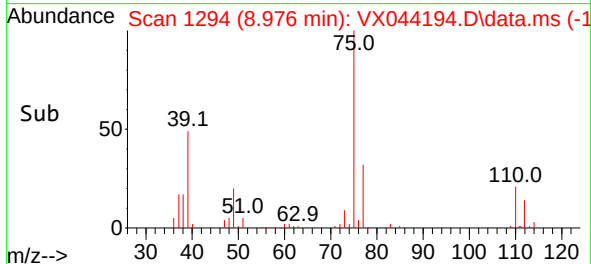
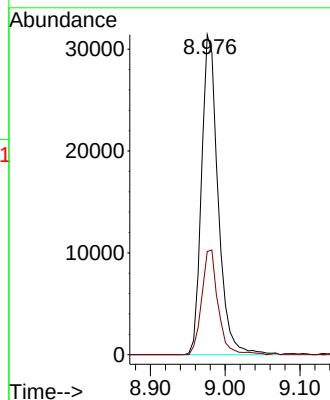
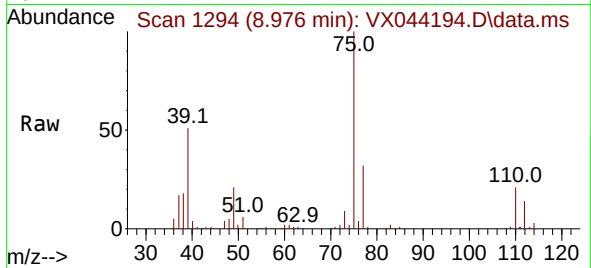




#53
 t-1,3-Dichloropropene
 Concen: 19.762 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. -0.000 min
 Lab File: VX044194.D
 Acq: 09 Dec 2024 17:37

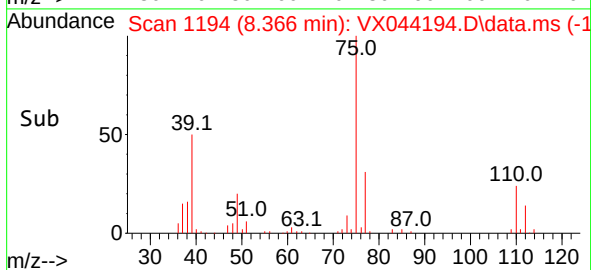
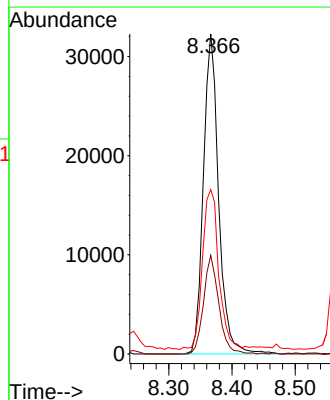
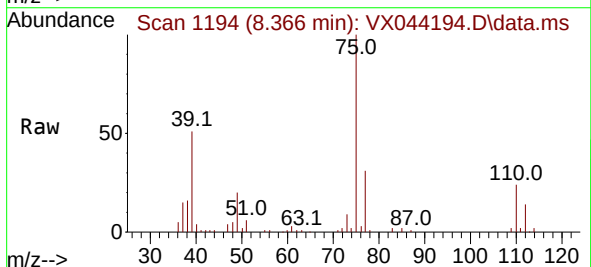
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBSD01

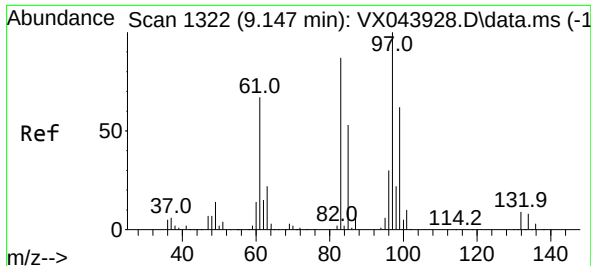
Tgt Ion: 75 Resp: 48298
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.209 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX044194.D
 Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 54145
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.2 37.8
 39 49.9 43.1 64.7

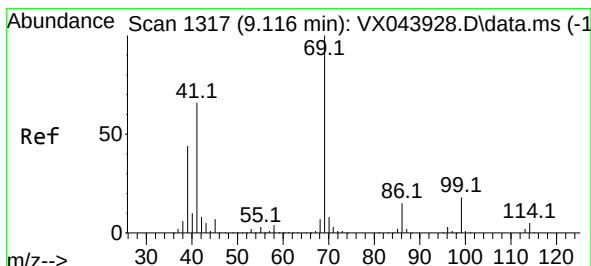
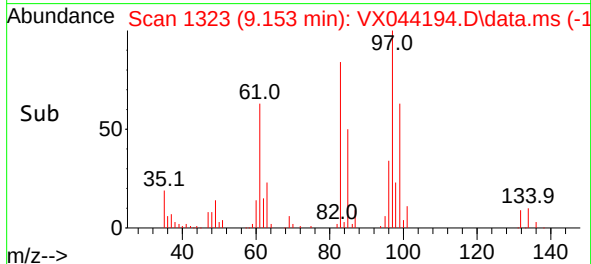
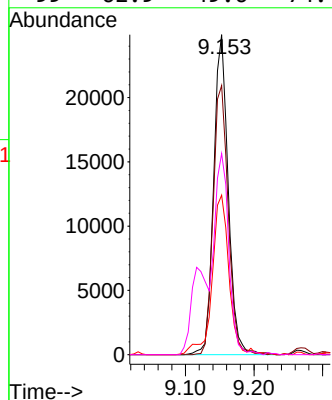
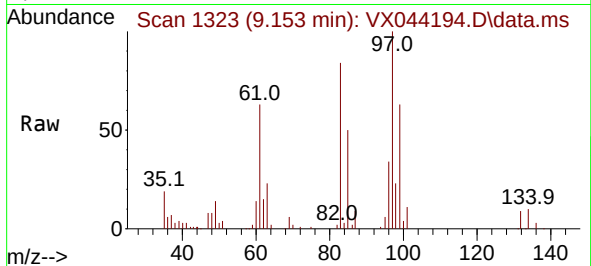




#55
1,1,2-Trichloroethane
Concen: 21.544 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

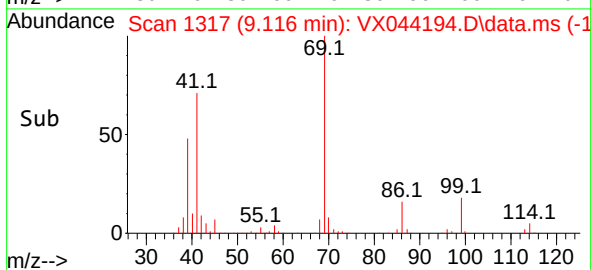
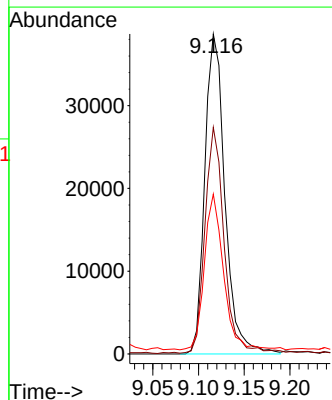
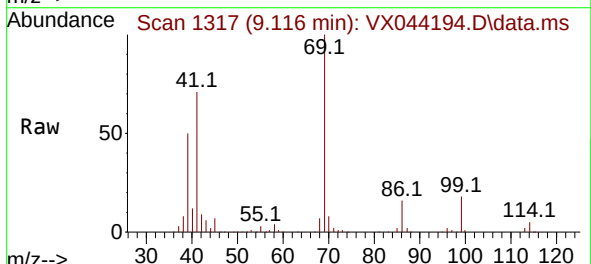
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

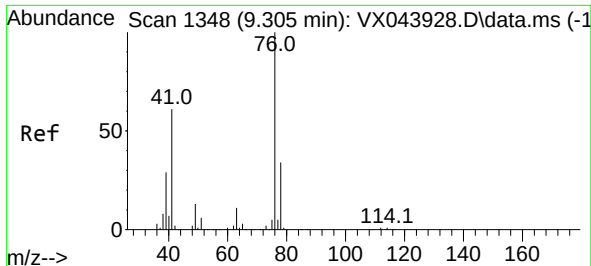
Tgt Ion: 97	Resp: 36713
Ion Ratio	Lower Upper
97 100	
83 84.1	69.4 104.0
85 49.8	42.3 63.5
99 62.9	49.6 74.4



#56
Ethyl methacrylate
Concen: 22.260 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 69	Resp: 59083
Ion Ratio	Lower Upper
69 100	
41 68.0	55.8 83.8
39 46.3	36.7 55.1

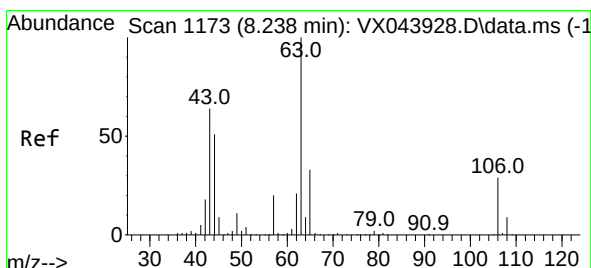
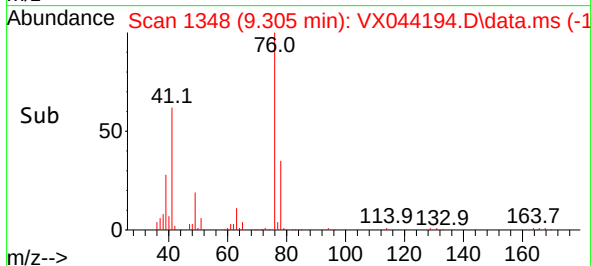
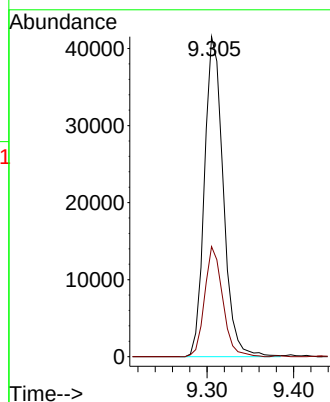
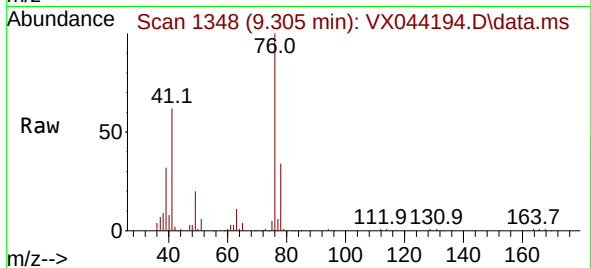




#57
1,3-Dichloropropane
Concen: 21.833 ug/l
RT: 9.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

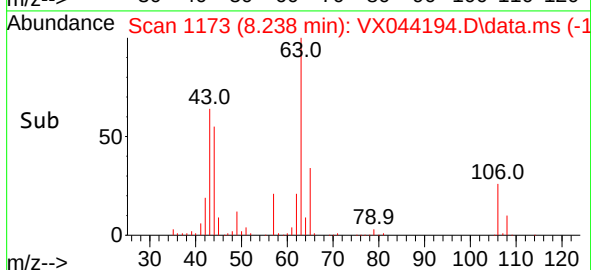
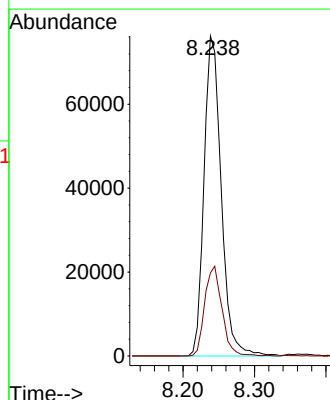
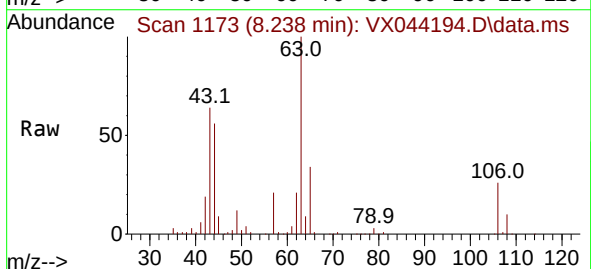
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

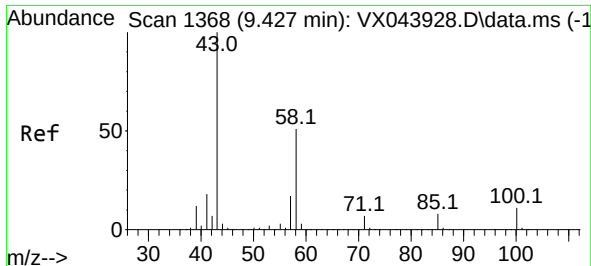
Tgt Ion: 76 Resp: 62674
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 86.855 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 63 Resp: 127295
Ion Ratio Lower Upper
63 100
106 28.1 23.0 34.6





#59

2-Hexanone

Concen: 115.407 ug/l

RT: 9.433 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

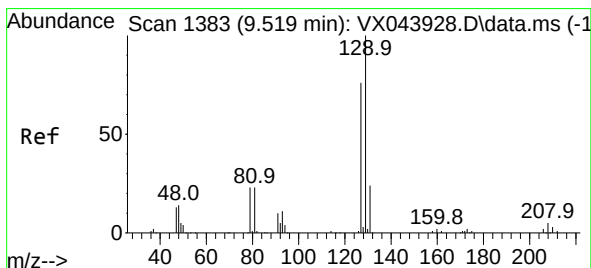
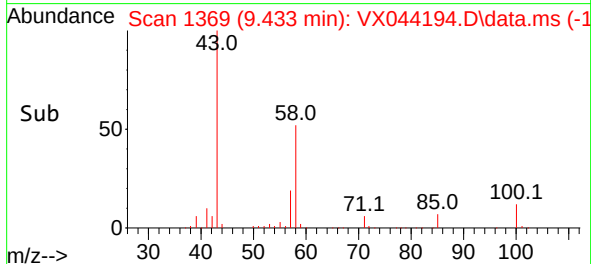
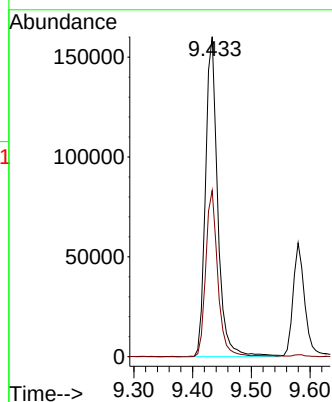
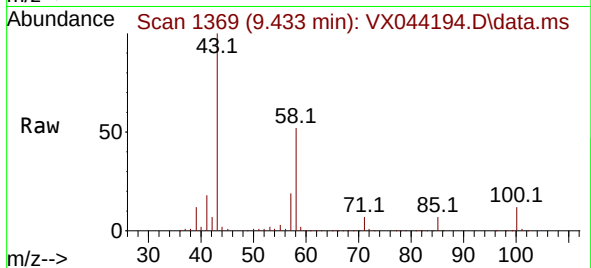
VX1209WBSD01

Tgt Ion: 43 Resp: 231547

Ion Ratio Lower Upper

43 100

58 50.8 25.9 77.6



#60

Dibromochloromethane

Concen: 19.812 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044194.D

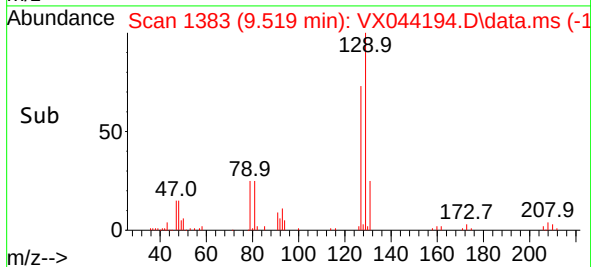
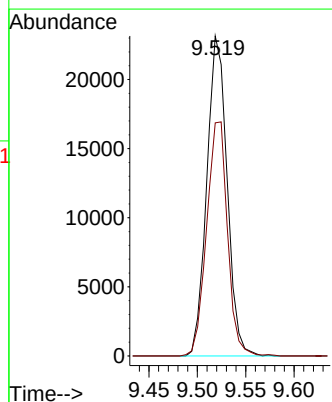
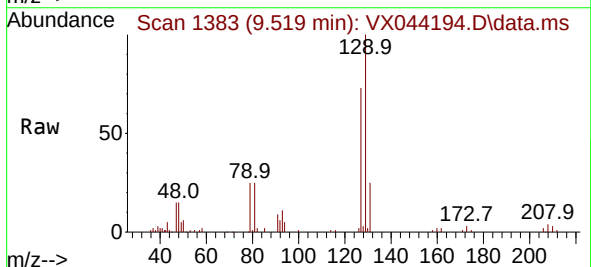
Acq: 09 Dec 2024 17:37

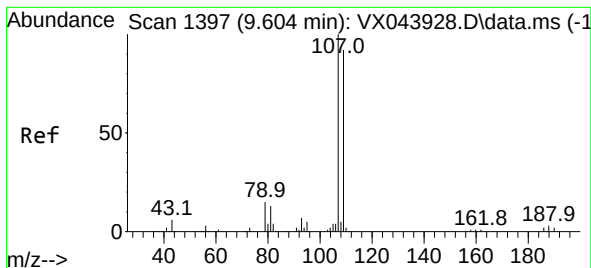
Tgt Ion: 129 Resp: 33874

Ion Ratio Lower Upper

129 100

127 75.4 38.2 114.6

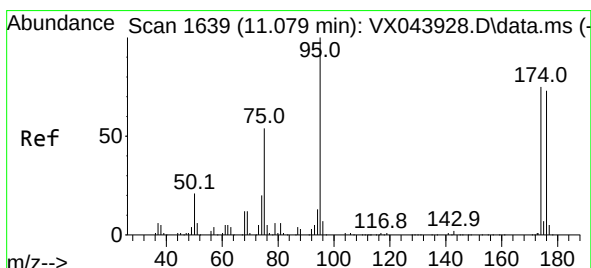
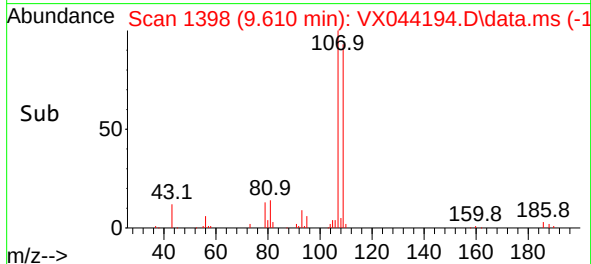
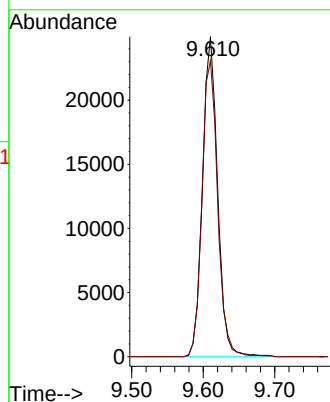
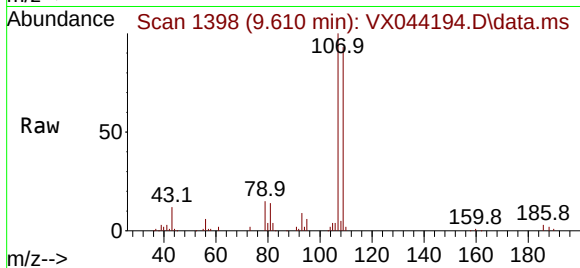




#61
1,2-Dibromoethane
Concen: 21.281 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

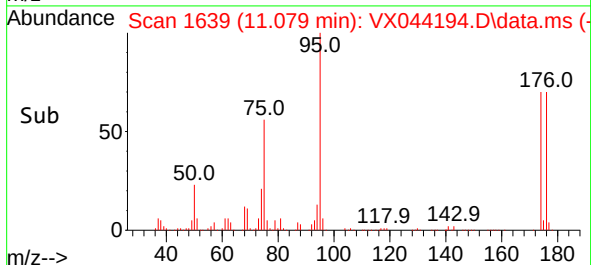
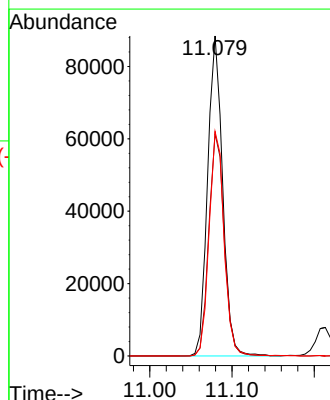
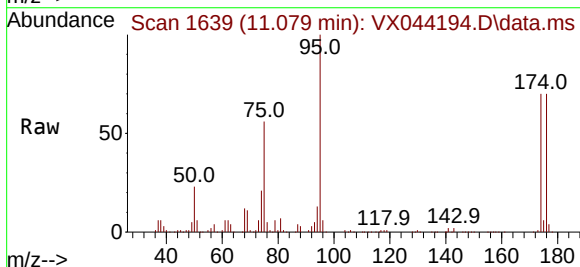
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

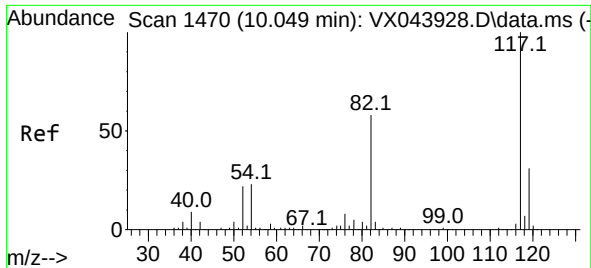
Tgt Ion:107 Resp: 36670
Ion Ratio Lower Upper
107 100
109 95.5 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 53.767 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 95 Resp: 112080
Ion Ratio Lower Upper
95 100
174 71.4 0.0 150.4
176 69.9 0.0 146.0

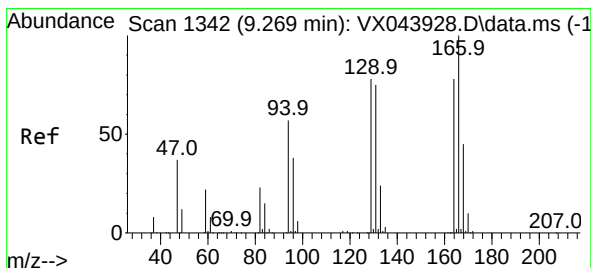
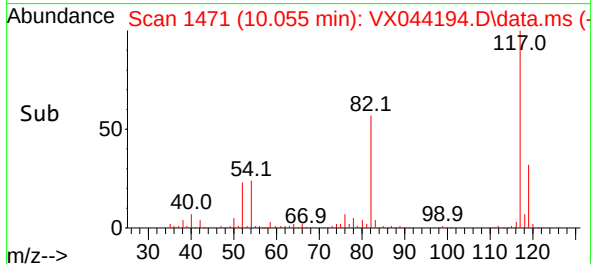
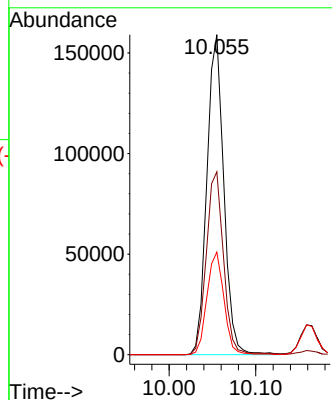
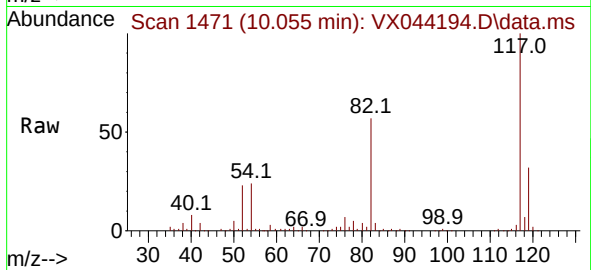




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

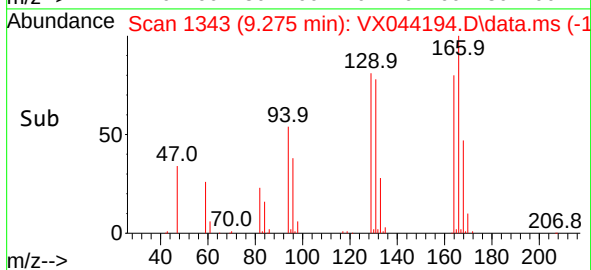
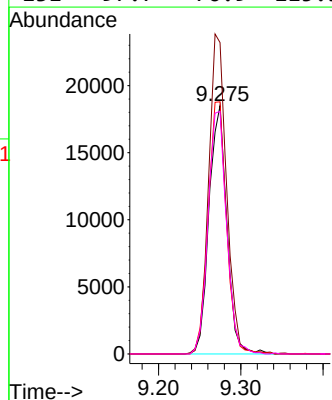
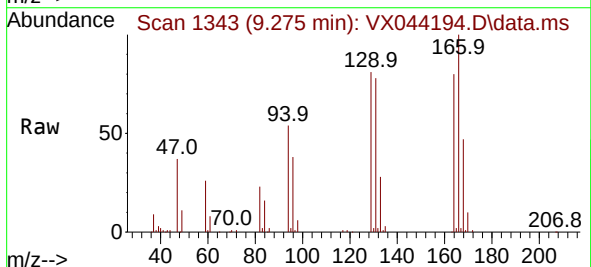
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

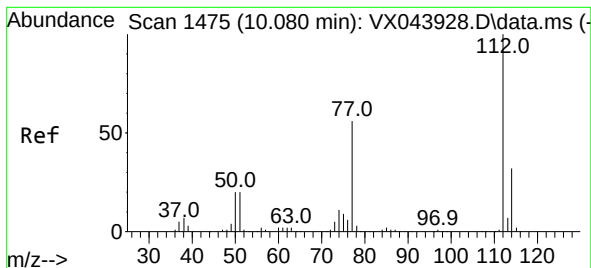
Tgt Ion:117 Resp: 215697
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 32.0 24.6 37.0



#64
Tetrachloroethene
Concen: 19.563 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:164 Resp: 27824
Ion Ratio Lower Upper
164 100
166 125.3 102.1 153.1
129 101.5 79.6 119.4
131 97.7 76.9 115.3

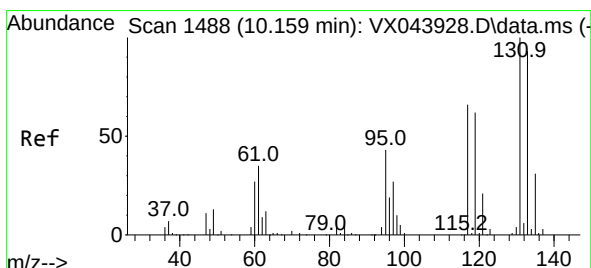
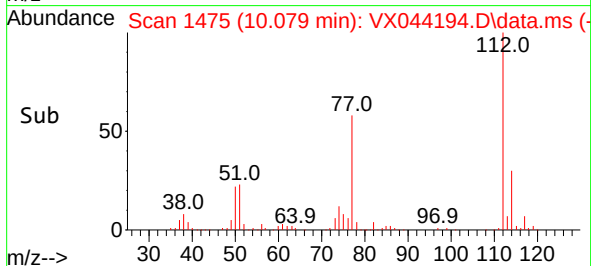
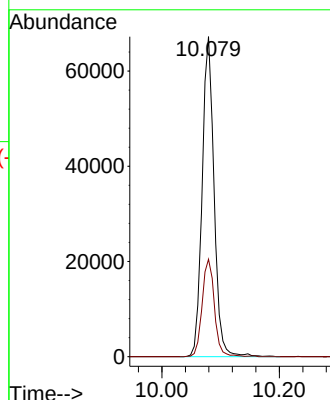
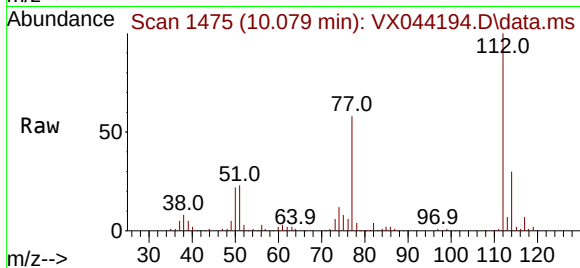




#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

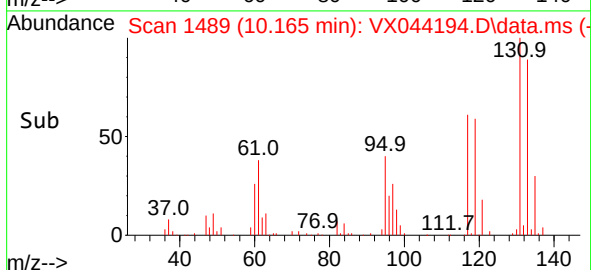
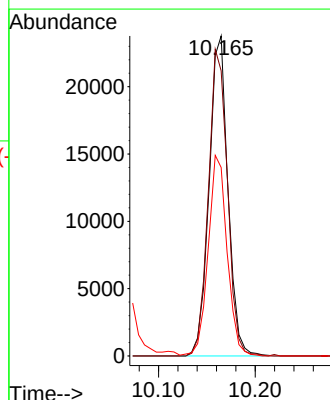
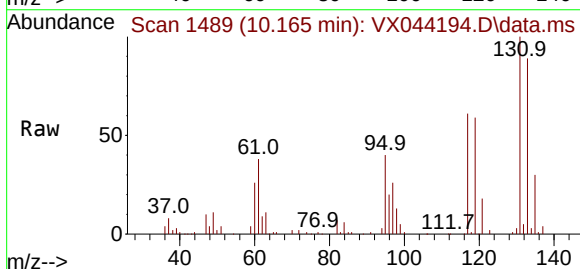
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

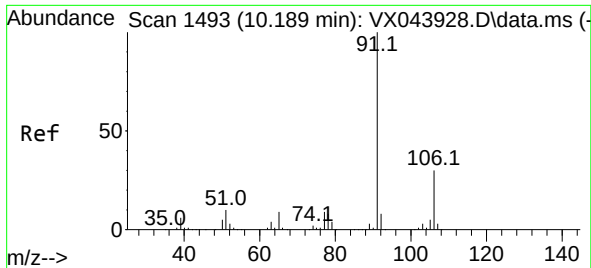
Tgt Ion:112 Resp: 94932
Ion Ratio Lower Upper
112 100
114 30.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.923 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:131 Resp: 32146
Ion Ratio Lower Upper
131 100
133 96.9 48.2 144.6
119 63.1 31.5 94.5

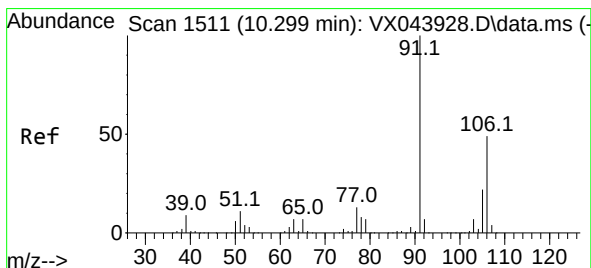
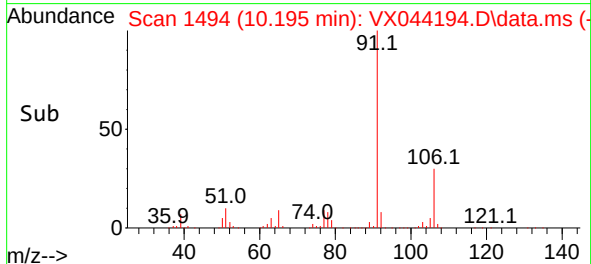
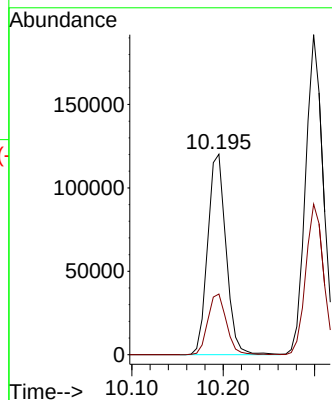
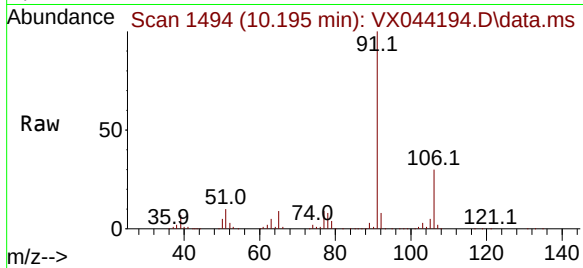




#67
Ethyl Benzene
Concen: 20.886 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

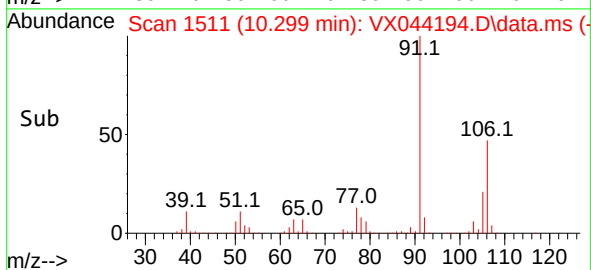
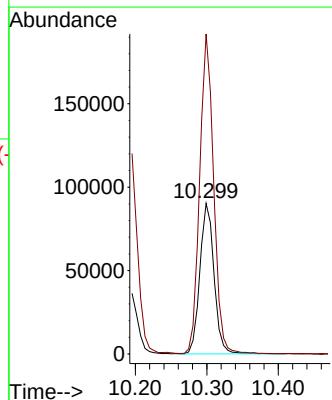
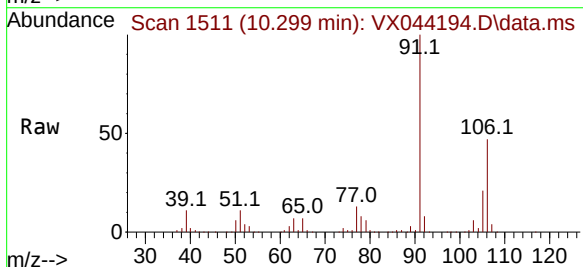
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

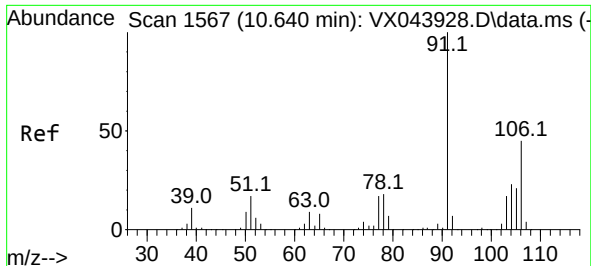
Tgt Ion: 91 Resp: 167658
Ion Ratio Lower Upper
91 100
106 30.3 23.6 35.4



#68
m/p-Xylenes
Concen: 41.384 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 106 Resp: 123887
Ion Ratio Lower Upper
106 100
91 209.9 168.1 252.1

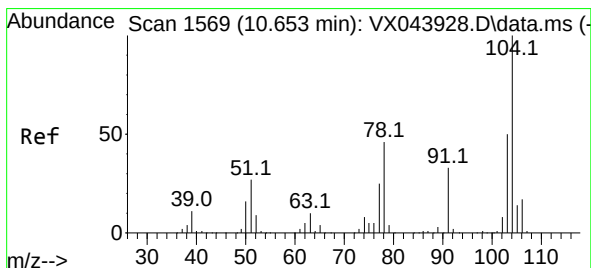
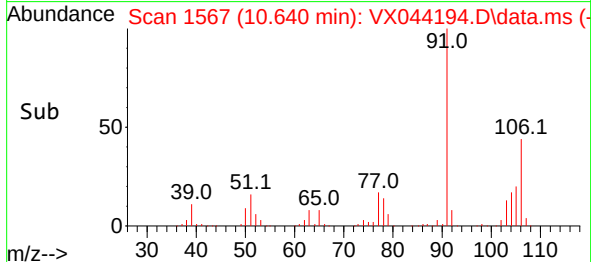
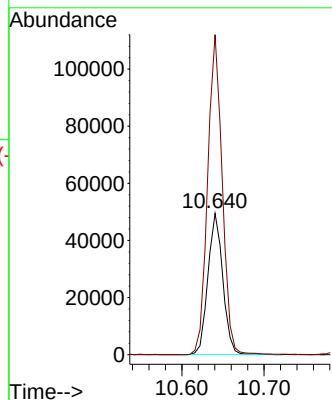
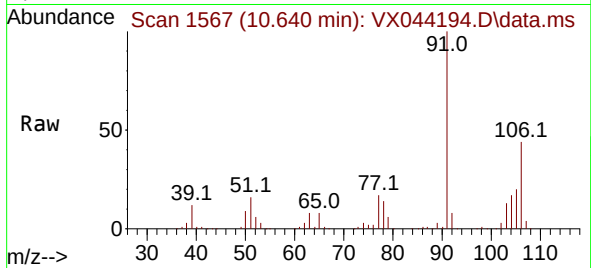




#69
o-Xylene
Concen: 21.324 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

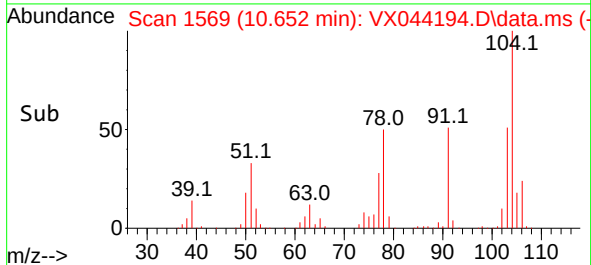
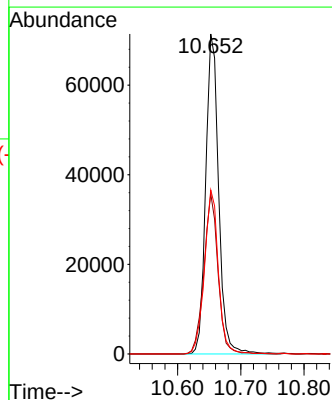
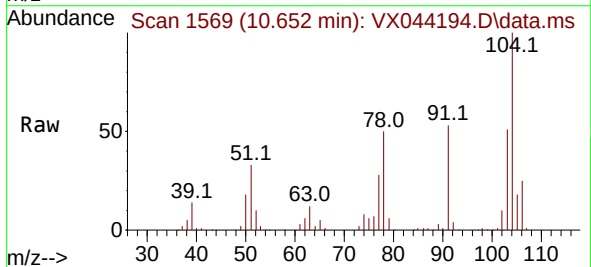
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

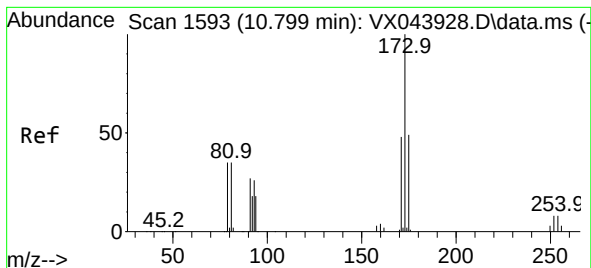
Tgt Ion:106 Resp: 62326
Ion Ratio Lower Upper
106 100
91 221.8 110.2 330.6



#70
Styrene
Concen: 21.061 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:104 Resp: 101812
Ion Ratio Lower Upper
104 100
78 54.7 42.2 63.2
103 55.3 44.7 67.1





#71

Bromoform

Concen: 17.454 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

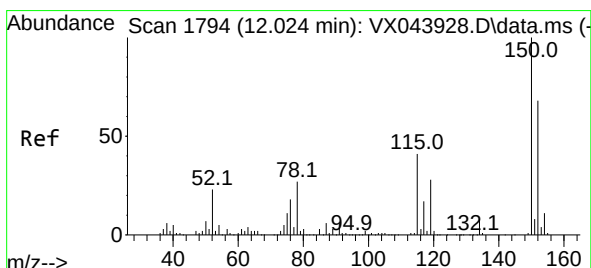
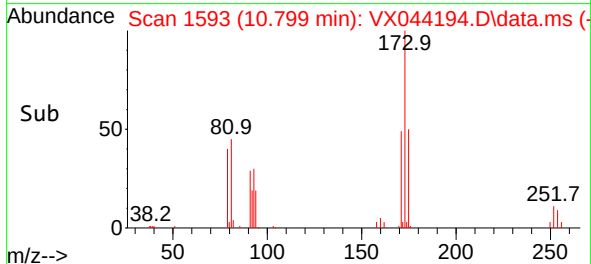
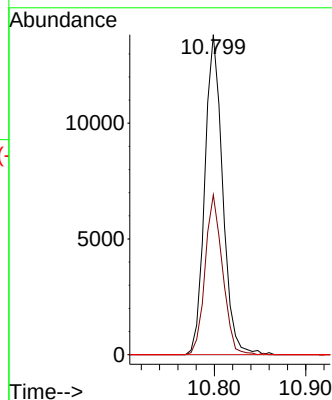
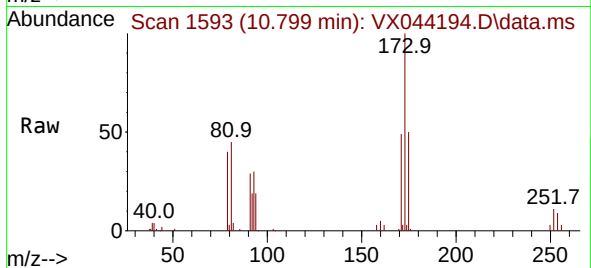
Tgt Ion:173 Resp: 18740

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

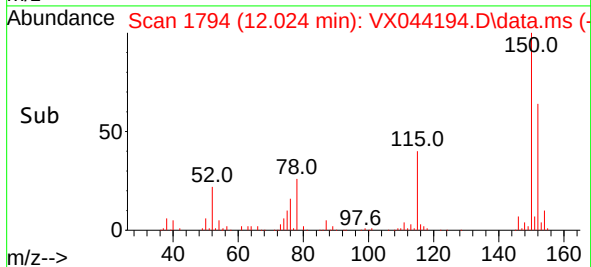
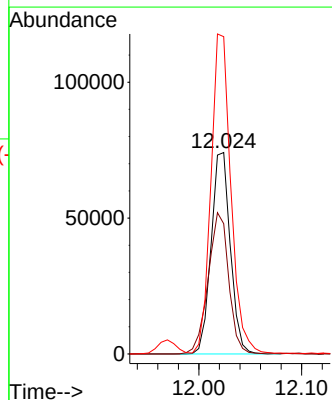
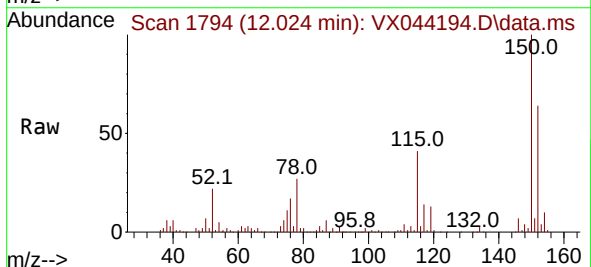
Tgt Ion:152 Resp: 96570

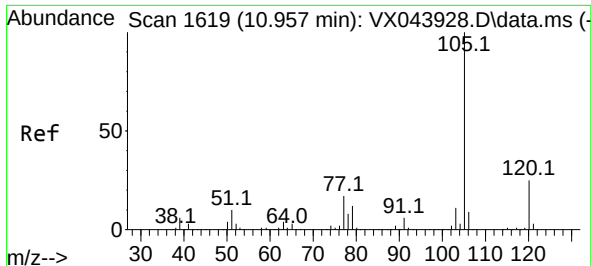
Ion Ratio Lower Upper

152 100

115 74.9 45.4 136.2

150 164.7 0.0 353.0

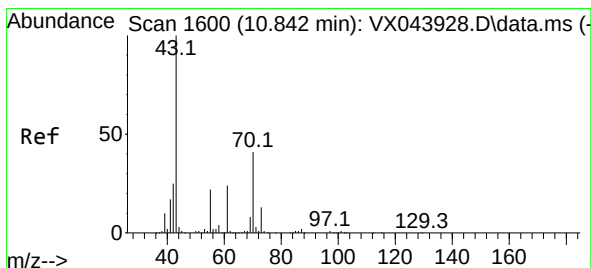
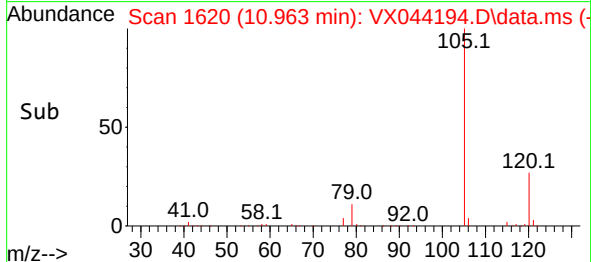
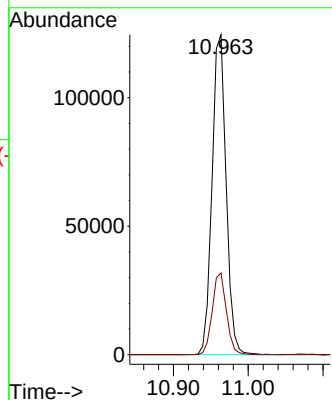
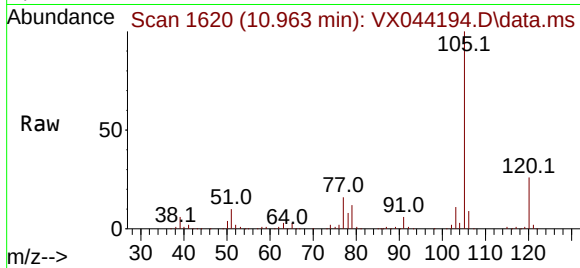




#73
Isopropylbenzene
Concen: 21.937 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

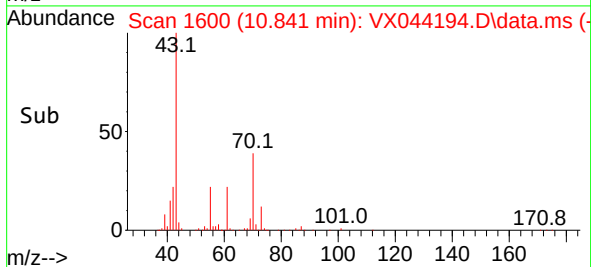
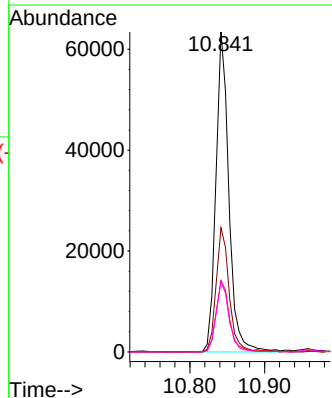
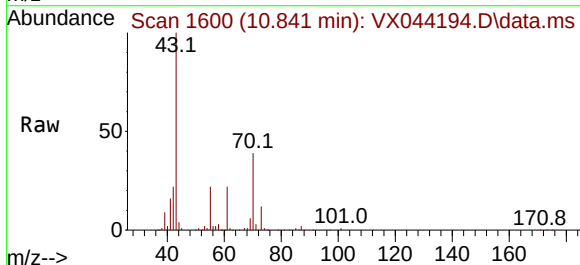
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

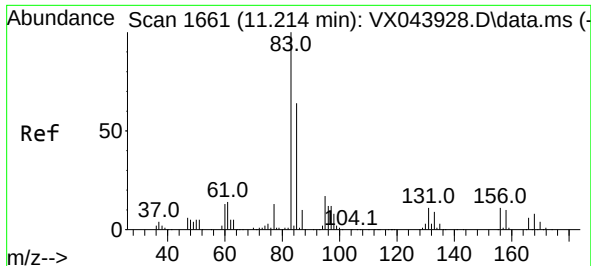
Tgt Ion:105 Resp: 162841
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9



#74
N-ethyl acetate
Concen: 22.323 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 43 Resp: 76764
Ion Ratio Lower Upper
43 100
70 39.4 32.2 48.2
55 23.3 18.1 27.1
61 22.2 18.4 27.6

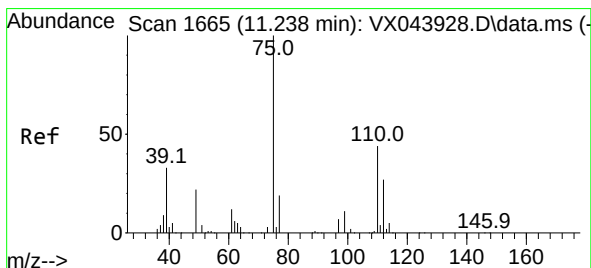
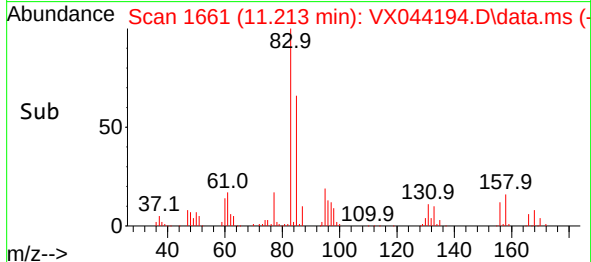
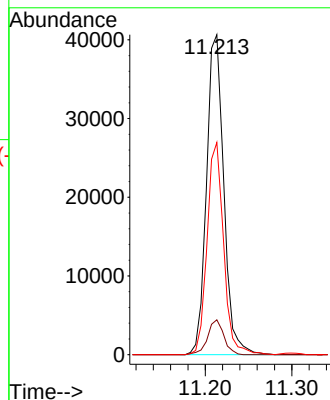
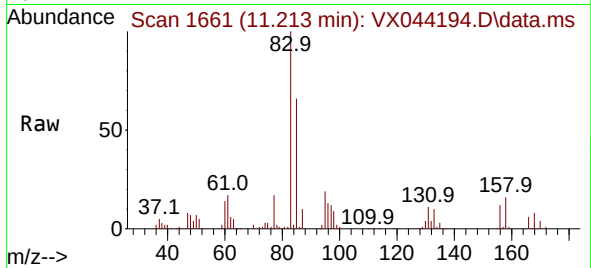




#75
1,1,2,2-Tetrachloroethane
Concen: 22.167 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

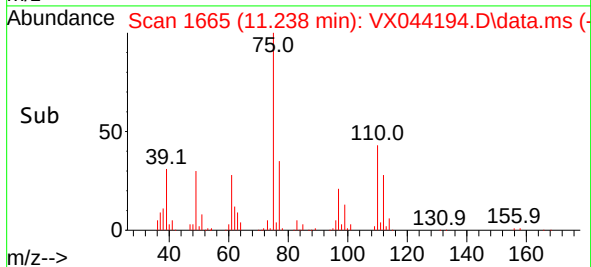
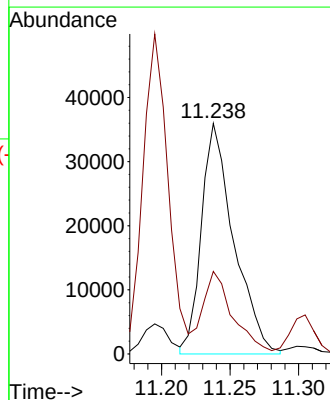
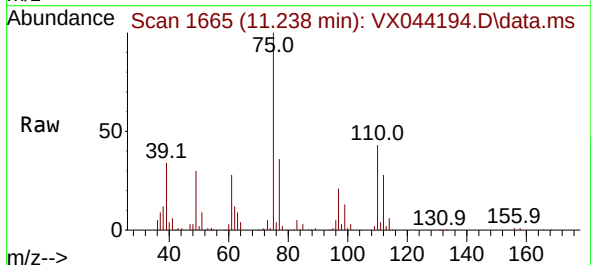
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

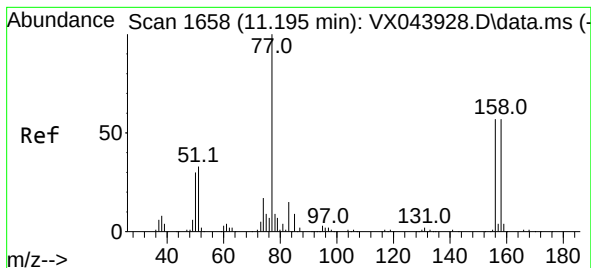
Tgt Ion: 83 Resp: 56343
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.2
85 63.5 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 27.967 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 59228
Ion Ratio Lower Upper
75 100
77 33.4 21.8 65.3





#77

Bromobenzene

Concen: 21.699 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

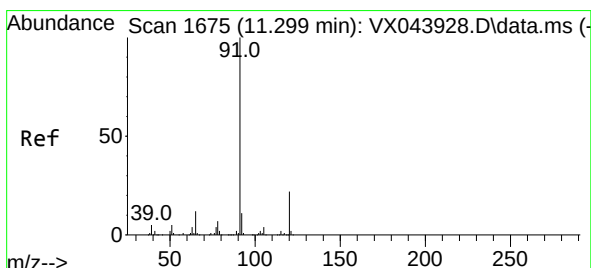
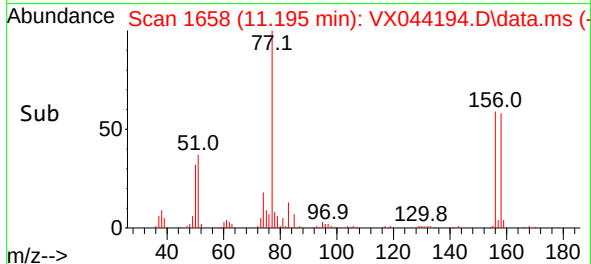
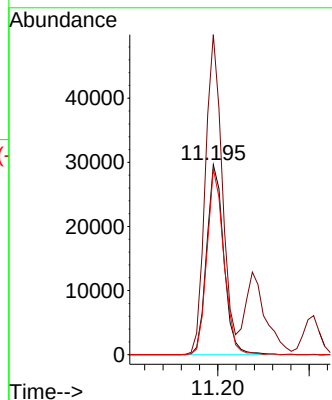
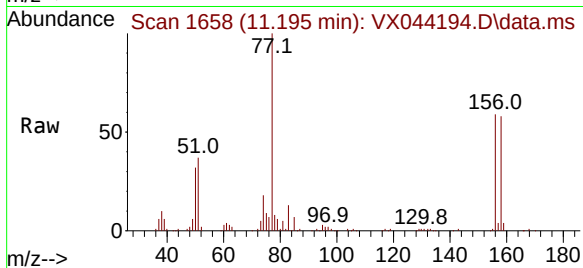
Tgt Ion:156 Resp: 38424

Ion Ratio Lower Upper

156 100

77 166.7 83.4 250.1

158 96.4 47.6 142.8



#78

n-propylbenzene

Concen: 21.463 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044194.D

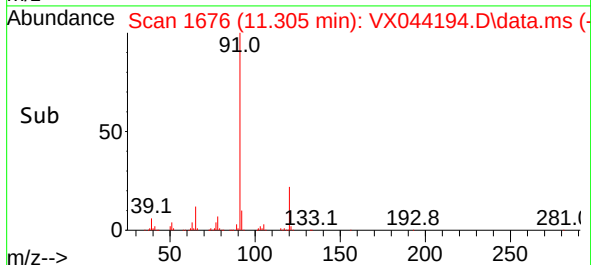
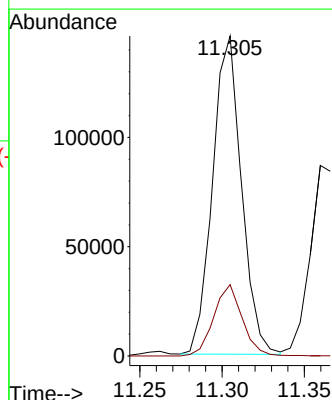
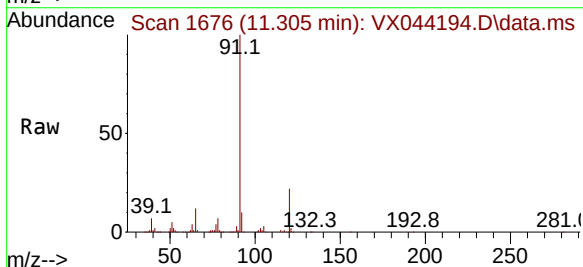
Acq: 09 Dec 2024 17:37

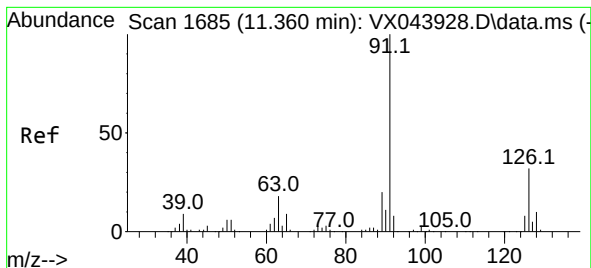
Tgt Ion: 91 Resp: 177942

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4

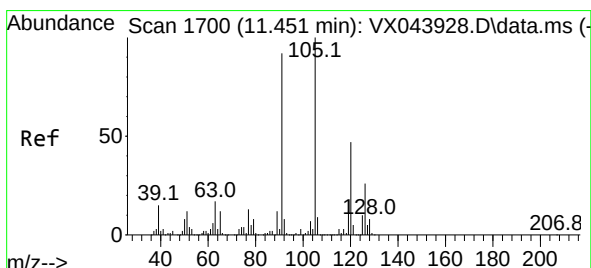
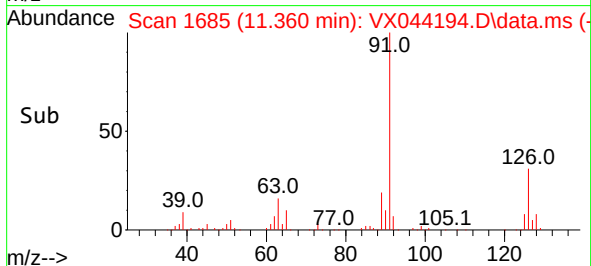
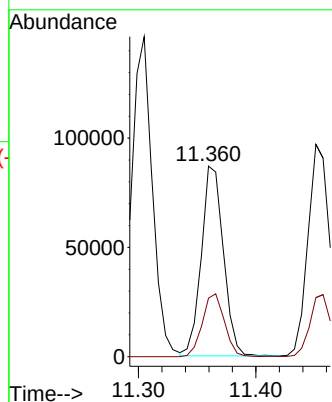
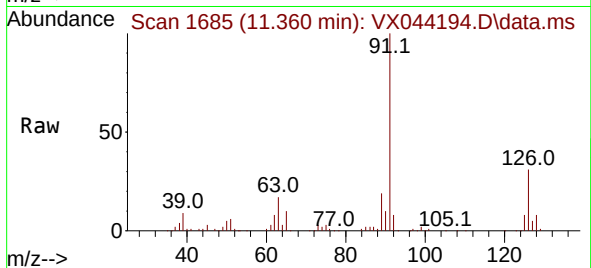




#79
2-Chlorotoluene
Concen: 21.661 ug/l
RT: 11.360 min Scan# 113558
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

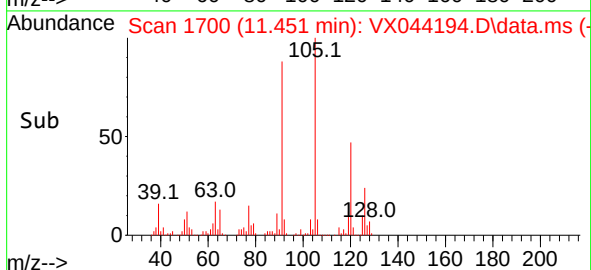
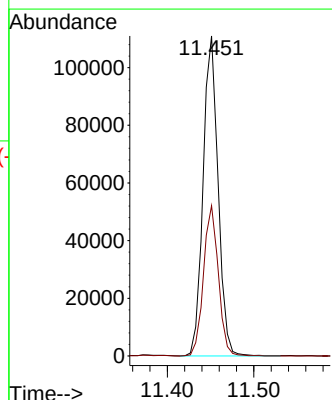
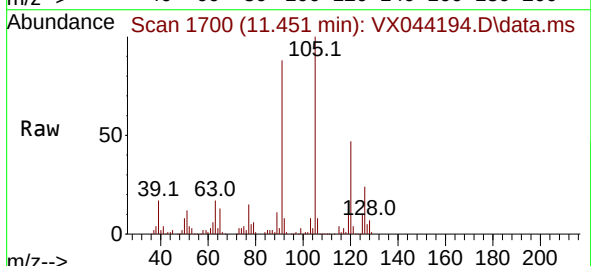
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

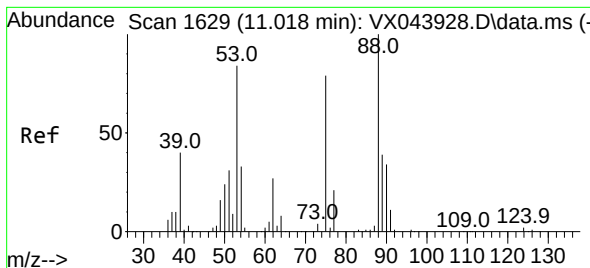
Tgt Ion: 91 Resp: 113558
Ion Ratio Lower Upper
91 100
126 33.1 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 21.866 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 105 Resp: 133542
Ion Ratio Lower Upper
105 100
120 46.4 23.3 69.8

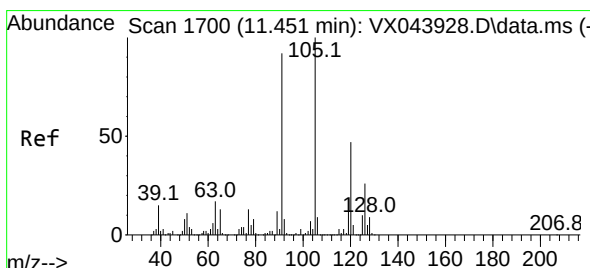
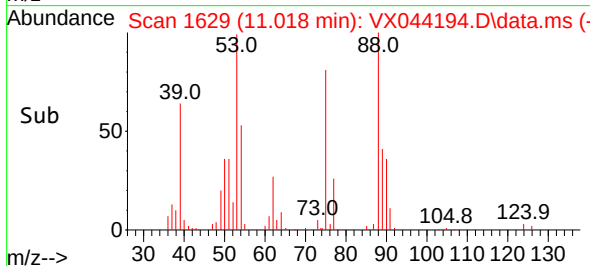
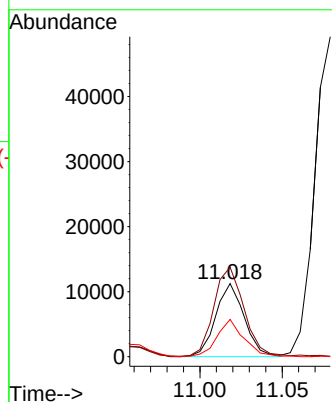
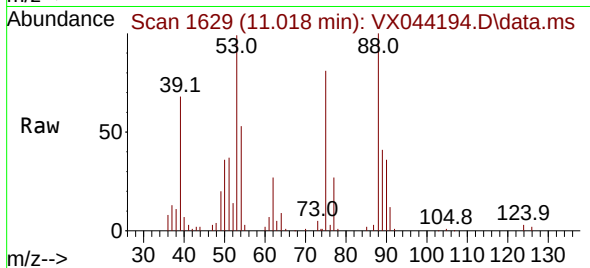




#81
trans-1,4-Dichloro-2-butene
Concen: 17.499 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

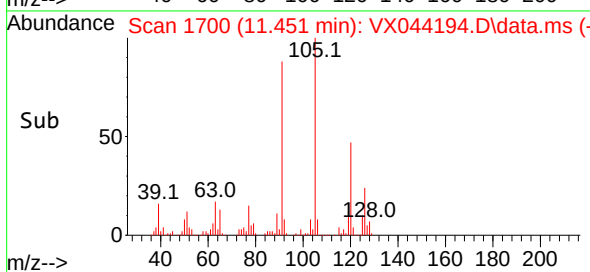
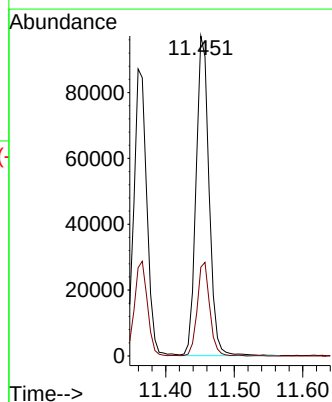
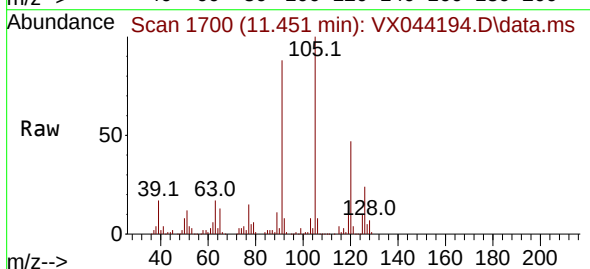
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

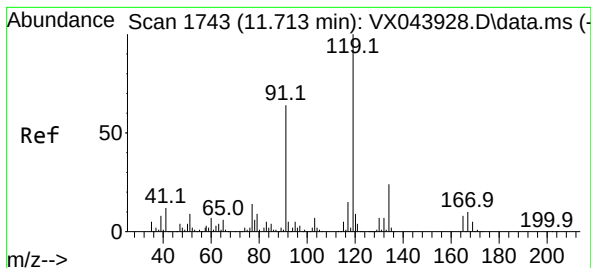
Tgt Ion: 75 Resp: 13581
Ion Ratio Lower Upper
75 100
53 131.4 86.7 130.1#
89 47.8 38.2 57.2



#82
4-Chlorotoluene
Concen: 21.641 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 91 Resp: 128085
Ion Ratio Lower Upper
91 100
126 28.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 22.274 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

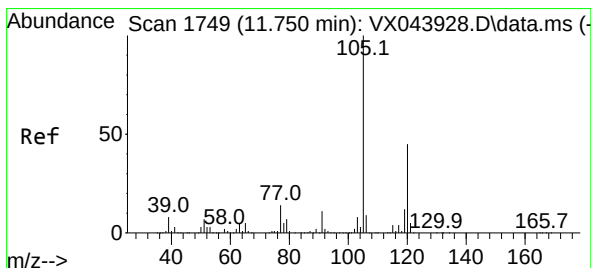
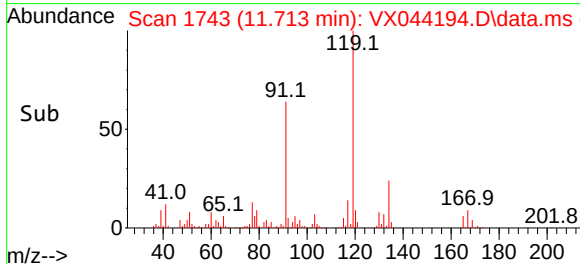
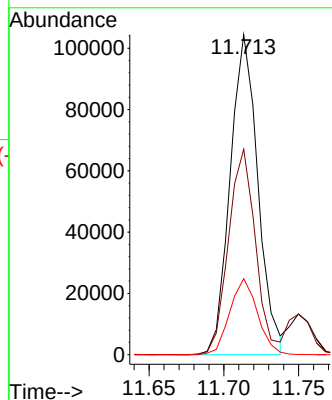
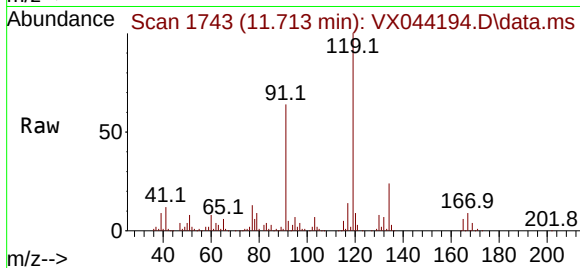
Tgt Ion:119 Resp: 134832

Ion Ratio Lower Upper

119 100

91 62.7 31.0 93.0

134 23.7 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 22.155 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044194.D

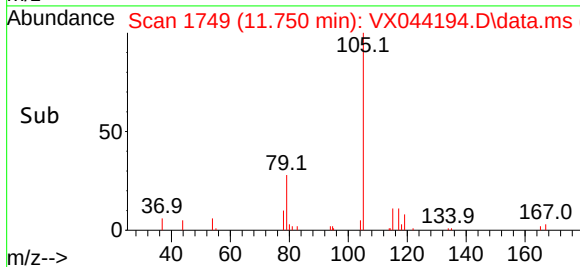
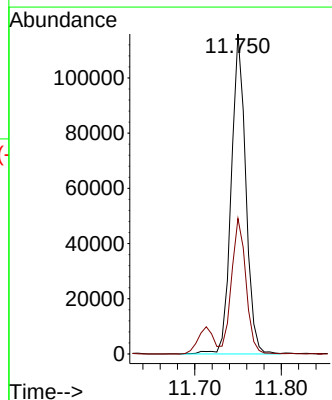
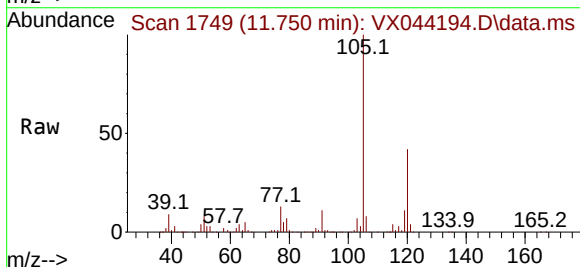
Acq: 09 Dec 2024 17:37

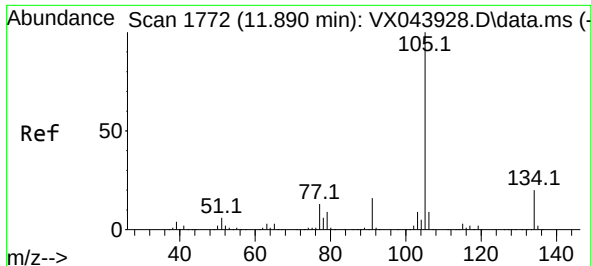
Tgt Ion:105 Resp: 134709

Ion Ratio Lower Upper

105 100

120 42.5 21.9 65.7

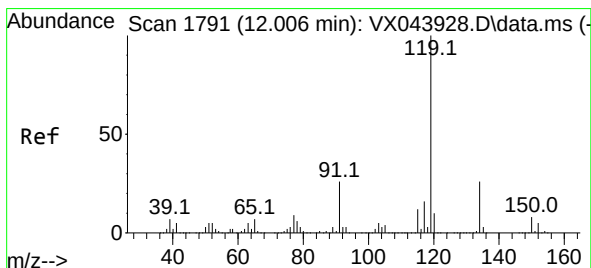
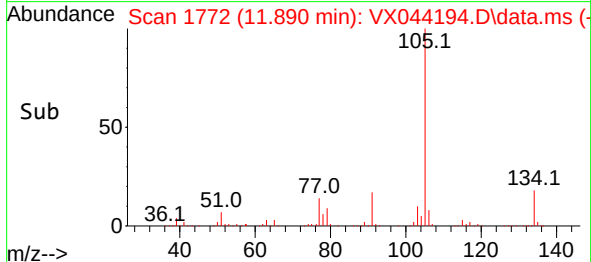
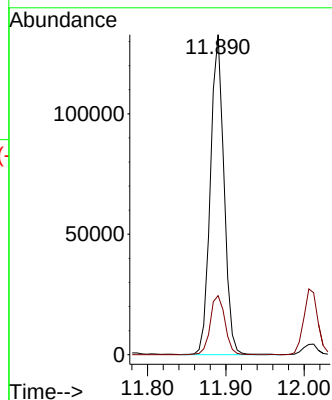
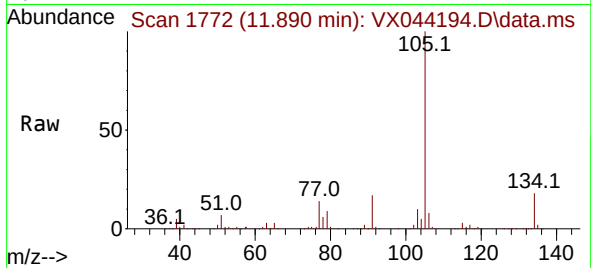




#85
 sec-Butylbenzene
 Concen: 21.541 ug/l
 RT: 11.890 min Scan# 11772
 Delta R.T. -0.000 min
 Lab File: VX044194.D
 Acq: 09 Dec 2024 17:37

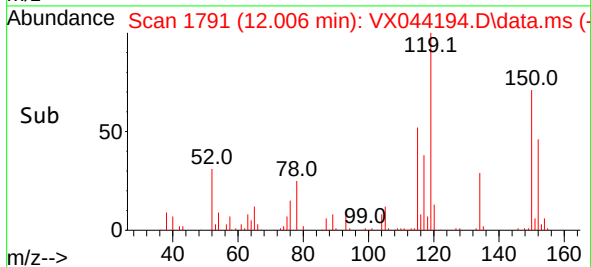
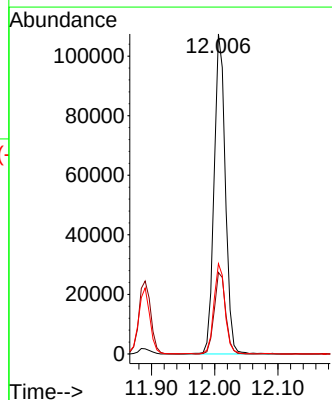
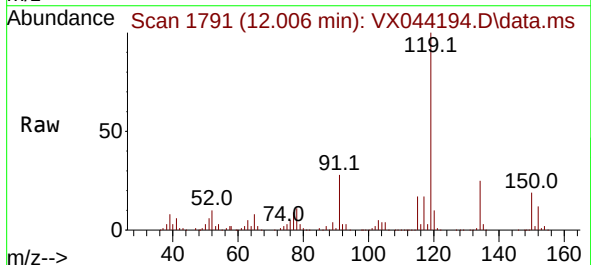
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBSD01

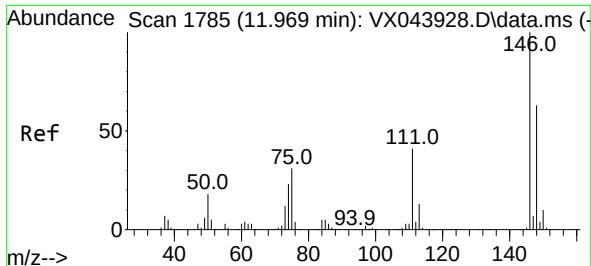
Tgt Ion:105 Resp: 159764
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 22.027 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044194.D
 Acq: 09 Dec 2024 17:37

Tgt Ion:119 Resp: 132697
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 27.8 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 20.645 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

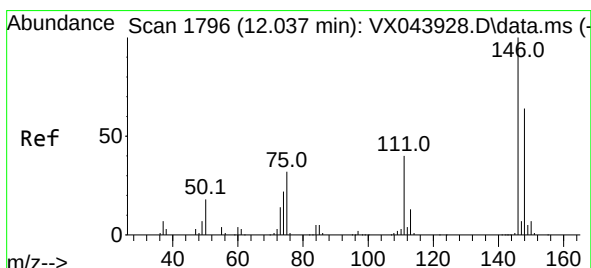
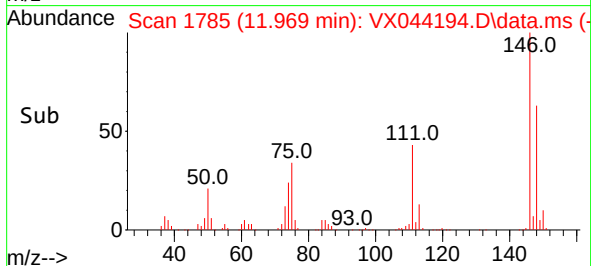
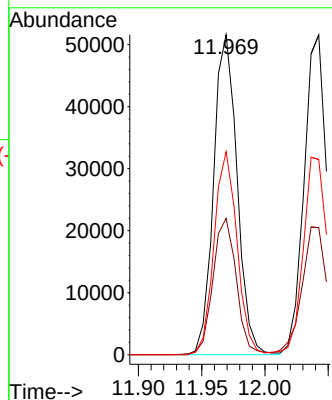
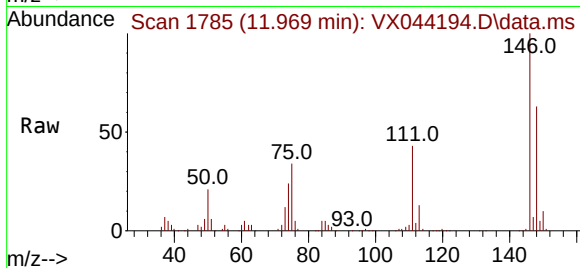
Tgt Ion:146 Resp: 66585

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.3

148 62.0 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 19.982 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

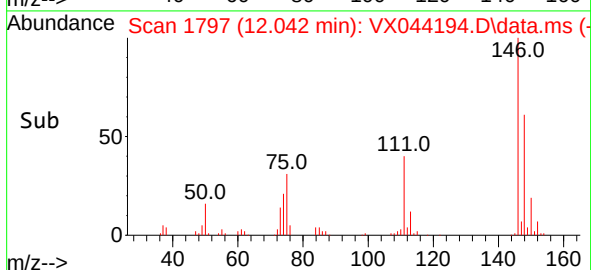
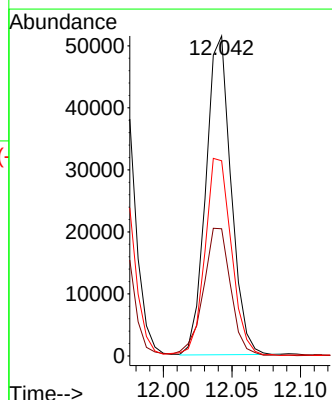
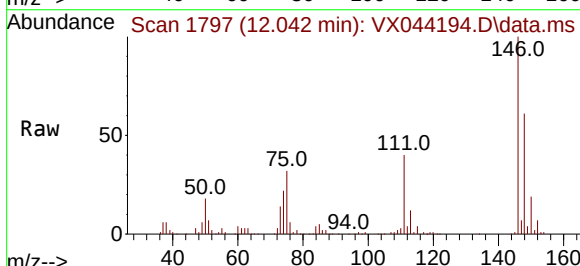
Tgt Ion:146 Resp: 65706

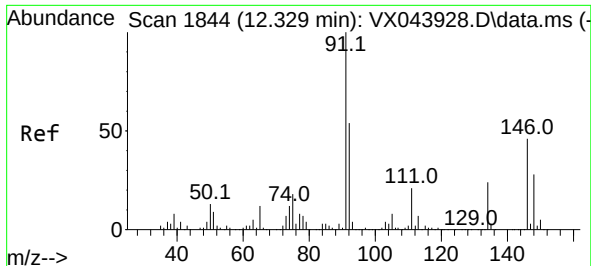
Ion Ratio Lower Upper

146 100

111 43.4 20.1 60.3

148 65.4 30.9 92.8





#89

n-Butylbenzene

Concen: 20.826 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044194.D

Acq: 09 Dec 2024 17:37

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBSD01

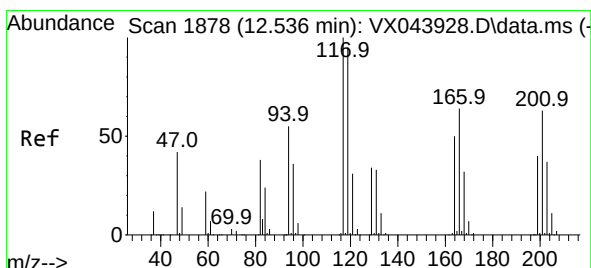
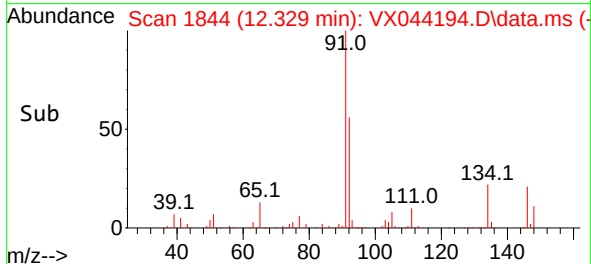
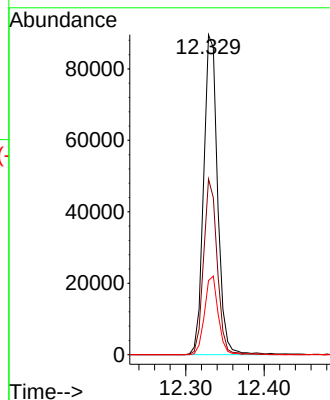
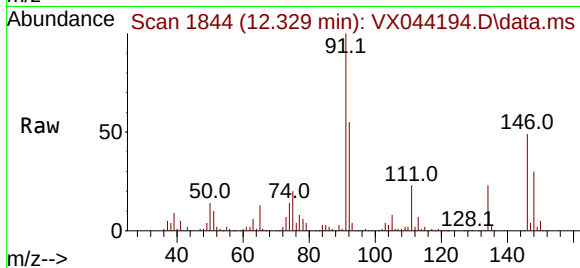
Tgt Ion: 91 Resp: 110620

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.8

134 24.3 12.4 37.2



#90

Hexachloroethane

Concen: 18.309 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044194.D

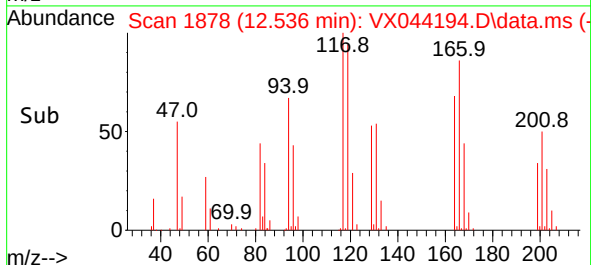
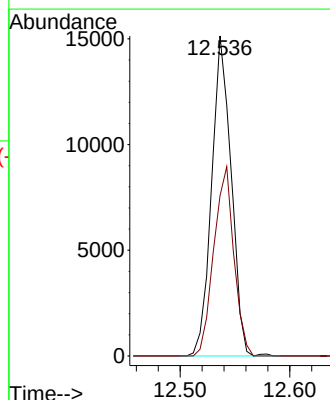
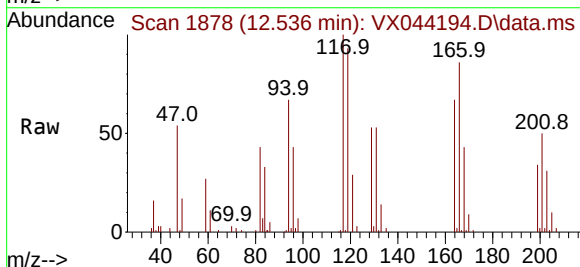
Acq: 09 Dec 2024 17:37

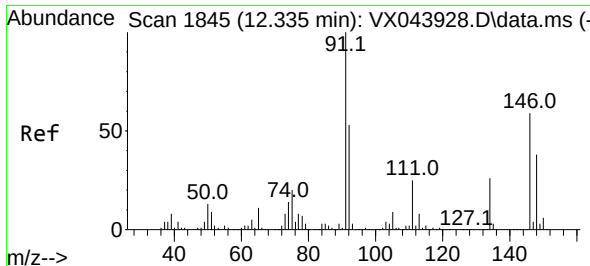
Tgt Ion: 117 Resp: 18756

Ion Ratio Lower Upper

117 100

201 60.6 32.4 97.0

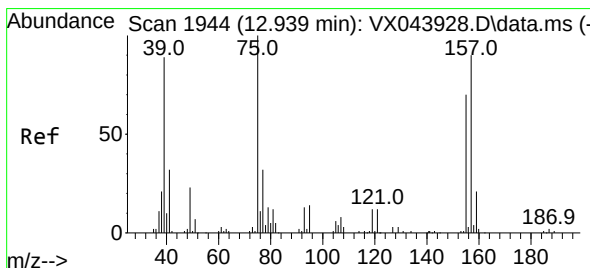
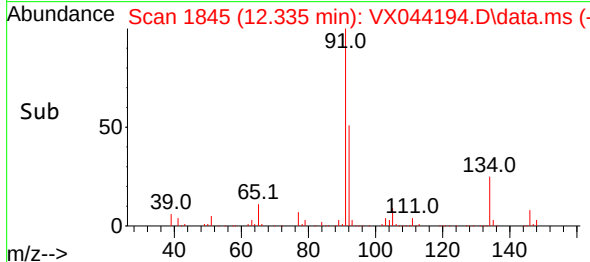
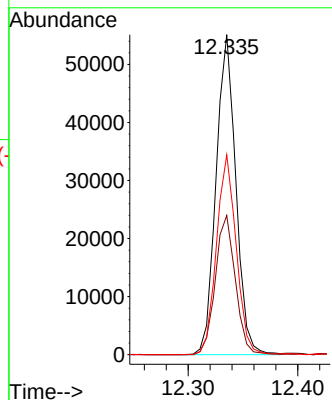
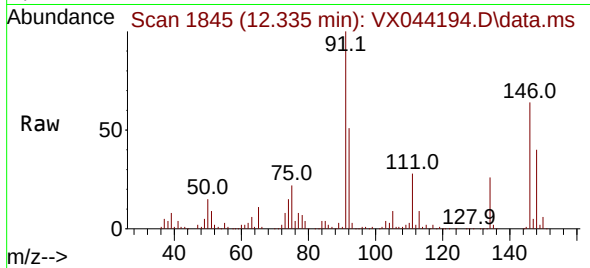




#91
1,2-Dichlorobenzene
Concen: 21.257 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

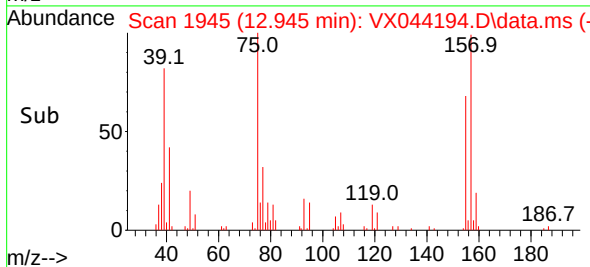
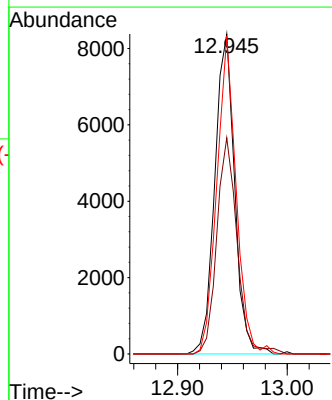
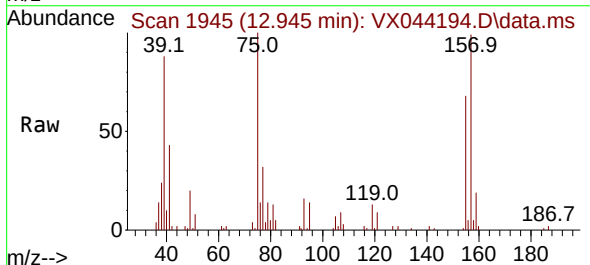
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

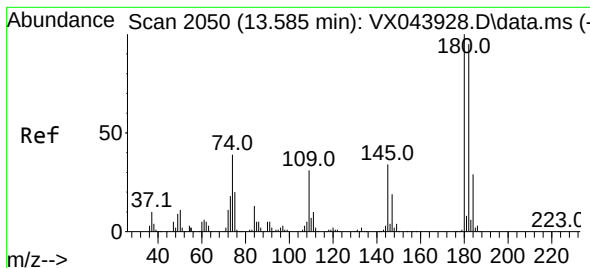
Tgt Ion:146 Resp: 69186
Ion Ratio Lower Upper
146 100
111 44.2 21.5 64.5
148 62.3 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.679 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion: 75 Resp: 10532
Ion Ratio Lower Upper
75 100
155 69.2 40.1 120.2
157 96.9 49.6 149.0

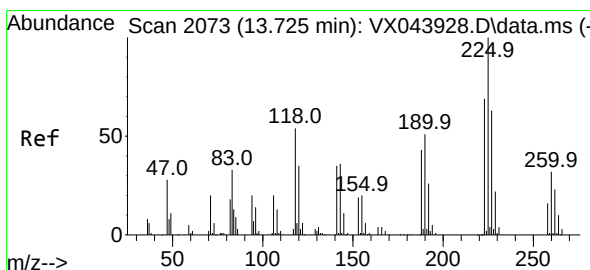
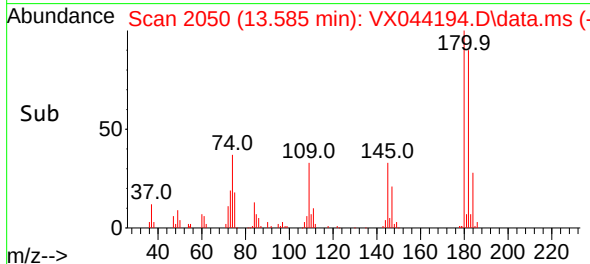
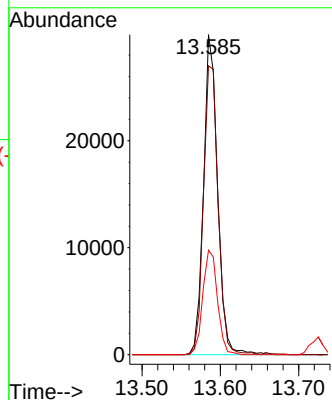
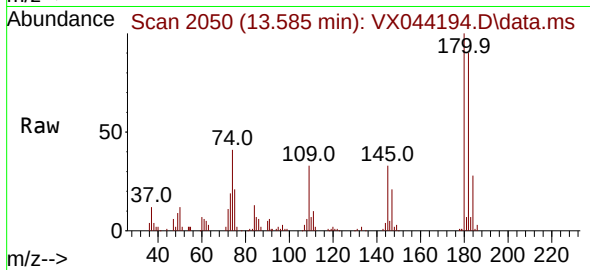




#93
1,2,4-Trichlorobenzene
Concen: 19.375 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

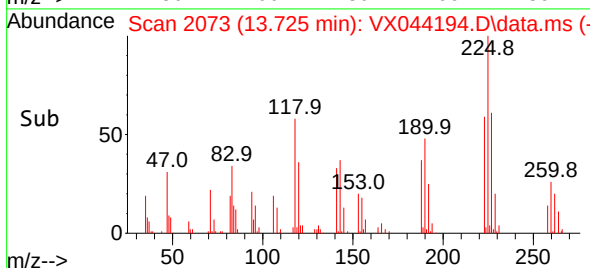
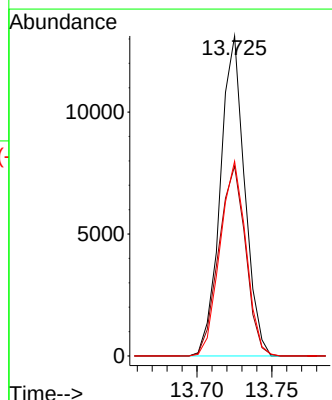
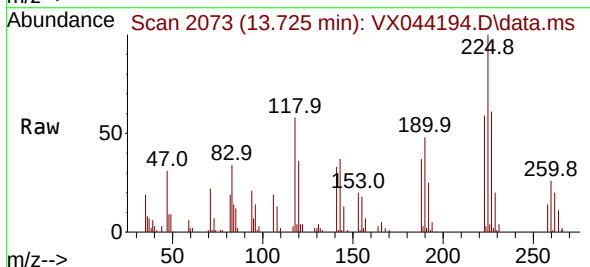
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

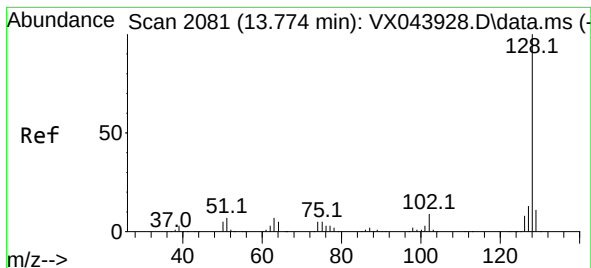
Tgt Ion:180 Resp: 37178
Ion Ratio Lower Upper
180 100
182 94.1 48.0 144.2
145 34.1 16.8 50.4



#94
Hexachlorobutadiene
Concen: 19.561 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:225 Resp: 14835
Ion Ratio Lower Upper
225 100
223 65.2 32.9 98.6
227 64.7 31.6 94.8

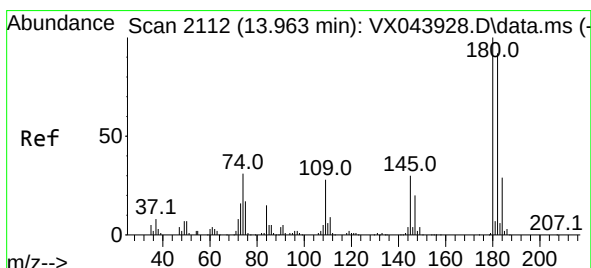
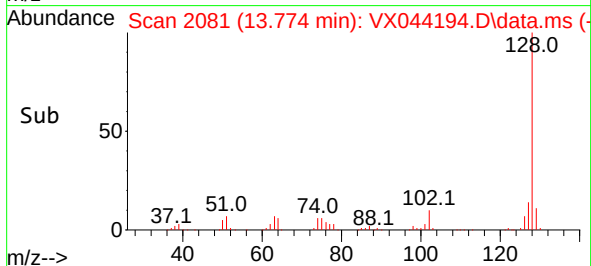
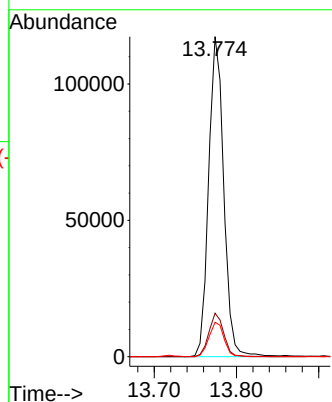
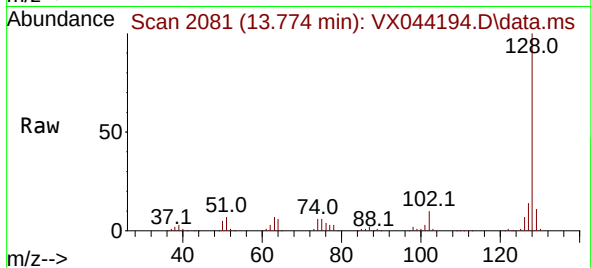




#95
Naphthalene
Concen: 21.670 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

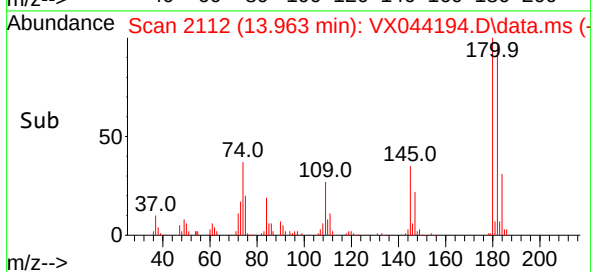
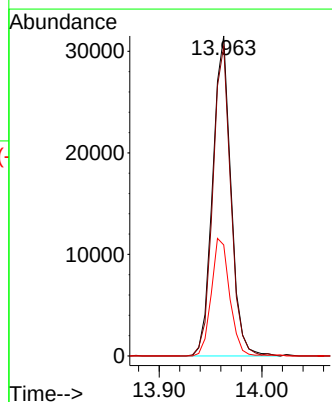
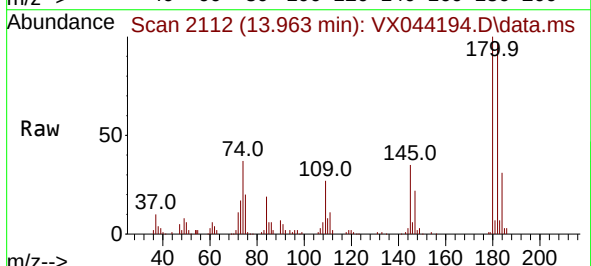
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBSD01

Tgt Ion:128 Resp: 149688
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.014 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044194.D
Acq: 09 Dec 2024 17:37

Tgt Ion:180 Resp: 38872
Ion Ratio Lower Upper
180 100
182 95.3 45.6 136.8
145 37.2 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044195.D
 Acq On : 09 Dec 2024 18:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 10 01:47:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131298	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	235785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99726	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105126	46.681	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.360%
35) Dibromofluoromethane	5.385	113	77035	45.723	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.440%
50) Toluene-d8	8.647	98	260361	44.830	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.660%
62) 4-Bromofluorobenzene	11.079	95	97692	49.426	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.860%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	62774	37.740	ug/l	99
3) Chloromethane	1.294	50	70433	40.240	ug/l	97
4) Vinyl Chloride	1.374	62	77773	41.774	ug/l	95
5) Bromomethane	1.593	94	55509	48.466	ug/l	96
6) Chloroethane	1.660	64	52511	46.289	ug/l	98
7) Trichlorofluoromethane	1.867	101	158833	47.719	ug/l	97
8) Diethyl Ether	2.136	74	58422	48.156	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	69490	43.767	ug/l	99
10) Methyl Iodide	2.440	142	94864	47.840	ug/l	98
11) Tert butyl alcohol	3.001	59	81324	224.985	ug/l	98
12) 1,1-Dichloroethene	2.306	96	66330	43.842	ug/l	98
13) Acrolein	2.239	56	97792	256.674	ug/l	98
14) Allyl chloride	2.654	41	116347	47.063	ug/l	98
15) Acrylonitrile	3.068	53	221106	251.011	ug/l	99
16) Acetone	2.392	43	214107	207.003	ug/l	100
17) Carbon Disulfide	2.501	76	112753	36.130	ug/l	100
18) Methyl Acetate	2.709	43	119578	49.645	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	279759	50.926	ug/l	99
20) Methylene Chloride	2.782	84	79720	45.418	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	71950	46.062	ug/l	93
22) Diisopropyl ether	3.763	45	261443	49.458	ug/l	97
23) Vinyl Acetate	3.721	43	1132475	250.436	ug/l	100
24) 1,1-Dichloroethane	3.605	63	149227	48.934	ug/l	98
25) 2-Butanone	4.568	43	331515	248.401	ug/l	99
26) 2,2-Dichloropropane	4.464	77	118688	43.095	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	91381	47.328	ug/l	98
28) Bromochloromethane	4.897	49	59291	44.170	ug/l	97
29) Tetrahydrofuran	5.013	42	212659	259.914	ug/l	98
30) Chloroform	5.092	83	164031	50.011	ug/l	97
31) Cyclohexane	5.458	56	111053	44.246	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140424	49.647	ug/l	100
36) 1,1-Dichloropropene	5.684	75	97977	46.667	ug/l	99
37) Ethyl Acetate	4.721	43	127992	49.112	ug/l	99
38) Carbon Tetrachloride	5.672	117	111142	47.113	ug/l	97
39) Methylcyclohexane	7.372	83	117340	43.022	ug/l	98
40) Benzene	6.031	78	308789	47.218	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
 Data File : VX044195.D
 Acq On : 09 Dec 2024 18:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 10 01:47:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68199	51.129	ug/l	96
42) 1,2-Dichloroethane	6.086	62	129196	49.190	ug/l	100
43) Isopropyl Acetate	6.342	43	212581	51.255	ug/l	99
44) Trichloroethene	7.123	130	76601	41.377	ug/l	94
45) 1,2-Dichloropropane	7.427	63	77580	48.435	ug/l	92
46) Dibromomethane	7.580	93	63965	50.484	ug/l	98
47) Bromodichloromethane	7.818	83	116358	51.205	ug/l	96
48) Methyl methacrylate	7.696	41	100896	50.698	ug/l	99
49) 1,4-Dioxane	7.665	88	29761	839.512	ug/l #	80
51) 4-Methyl-2-Pentanone	8.573	43	685832	270.971	ug/l	99
52) Toluene	8.714	92	192454	49.168	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	117834	50.850	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	123739	48.710	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	81959	50.724	ug/l	97
56) Ethyl methacrylate	9.116	69	132200	52.529	ug/l	97
57) 1,3-Dichloropropane	9.305	76	138542	50.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	328935	238.340	ug/l	100
59) 2-Hexanone	9.433	43	514271	270.331	ug/l	99
60) Dibromochloromethane	9.518	129	82189	50.698	ug/l	99
61) 1,2-Dibromoethane	9.610	107	84512	51.728	ug/l	99
64) Tetrachloroethene	9.275	164	64007	46.478	ug/l	98
65) Chlorobenzene	10.079	112	217542	47.426	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	75268	50.596	ug/l	98
67) Ethyl Benzene	10.195	91	381676	49.105	ug/l	99
68) m/p-Xylenes	10.299	106	283405	97.773	ug/l	100
69) o-Xylene	10.640	106	142308	50.284	ug/l	98
70) Styrene	10.652	104	236741	50.577	ug/l	98
71) Bromoform	10.799	173	50122	44.729	ug/l #	99
73) Isopropylbenzene	10.963	105	365951	47.738	ug/l	99
74) N-amyl acetate	10.841	43	184869	52.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	127456	48.557	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	141075	64.507	ug/l	83
77) Bromobenzene	11.195	156	87469	47.832	ug/l	99
78) n-propylbenzene	11.305	91	418467	48.877	ug/l	98
79) 2-Chlorotoluene	11.360	91	256367	47.354	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	311795	49.438	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	36117	45.064	ug/l	94
82) 4-Chlorotoluene	11.451	91	296611	48.528	ug/l	100
83) tert-Butylbenzene	11.713	119	309761	49.553	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	308254	49.093	ug/l	100
85) sec-Butylbenzene	11.890	105	378505	49.420	ug/l	99
86) p-Isopropyltoluene	12.006	119	312583	50.244	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	158004	47.440	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	158608	46.709	ug/l	98
89) n-Butylbenzene	12.329	91	270623	49.338	ug/l	100
90) Hexachloroethane	12.536	117	48712	46.047	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	161209	47.962	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	26680	50.727	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	91104	45.975	ug/l	99
94) Hexachlorobutadiene	13.725	225	35883	45.818	ug/l	98
95) Naphthalene	13.774	128	363187	50.915	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	96130	47.928	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\
Data File : VX044195.D
Acq On : 09 Dec 2024 18:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

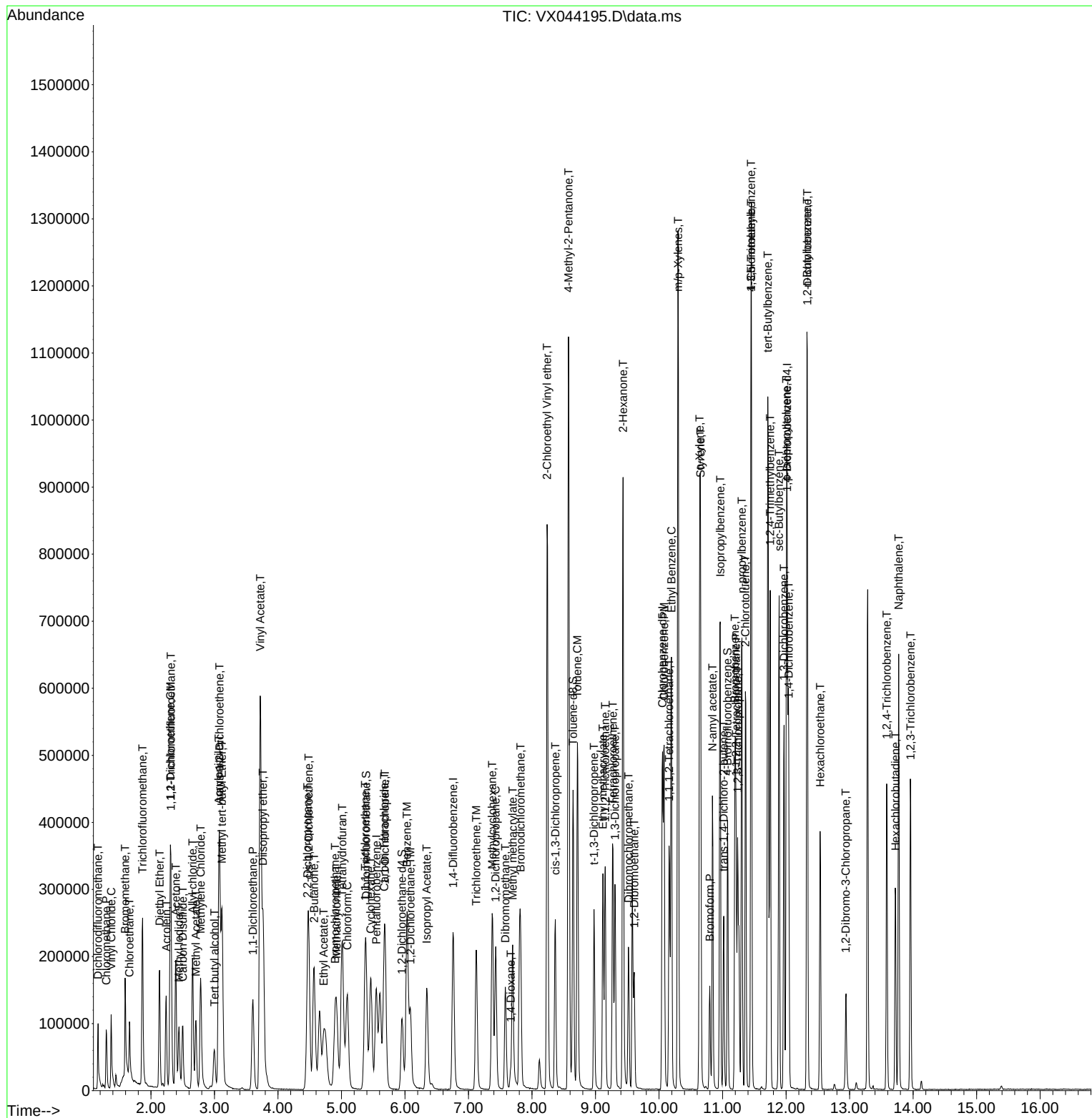
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

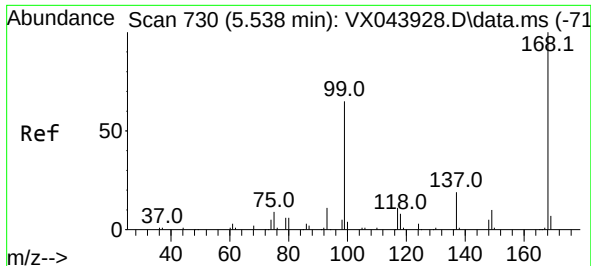
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120924\  
Data File : VX044195.D  
Acq On    : 09 Dec 2024   18:00  
Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 23   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 01:47:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

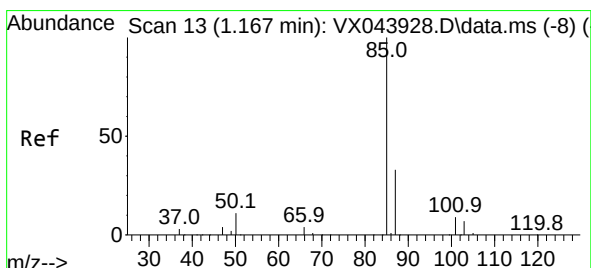
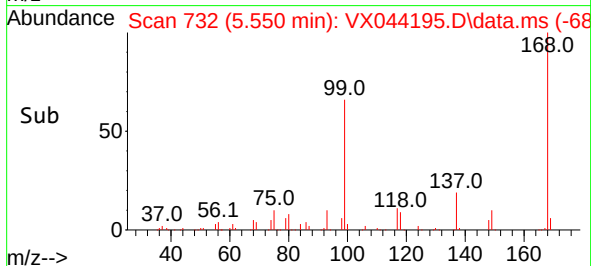
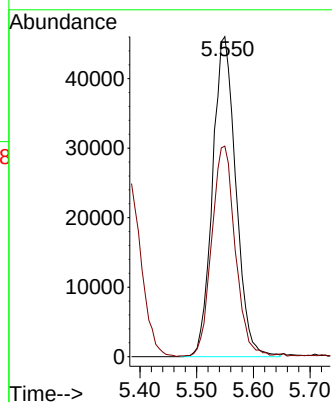
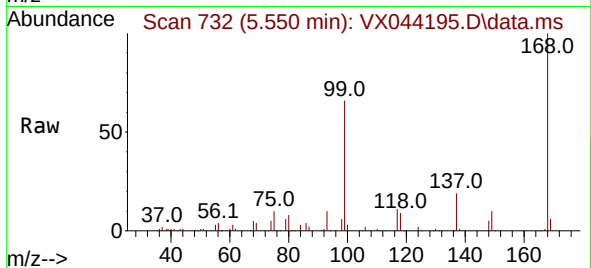




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

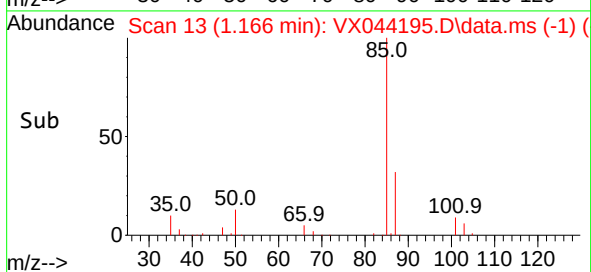
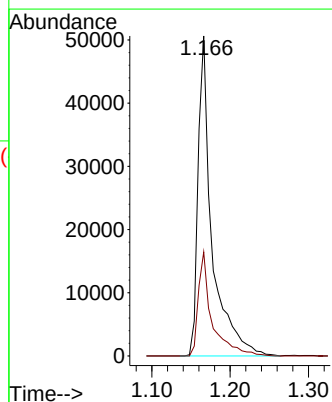
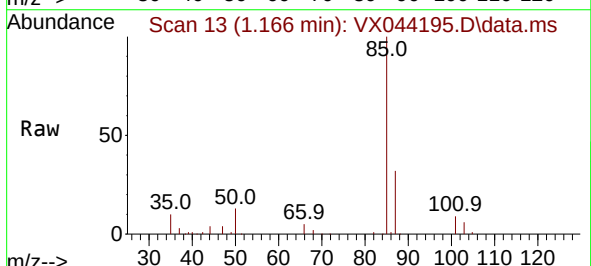
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

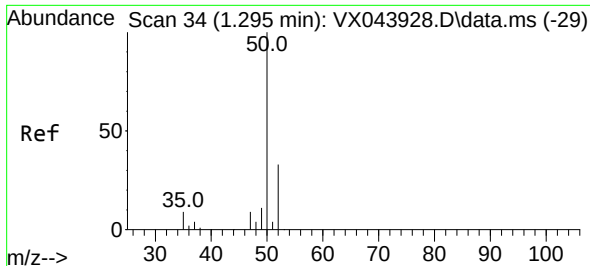
Tgt Ion:168 Resp: 131298
Ion Ratio Lower Upper
168 100
99 65.6 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 37.740 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 85 Resp: 62774
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.8

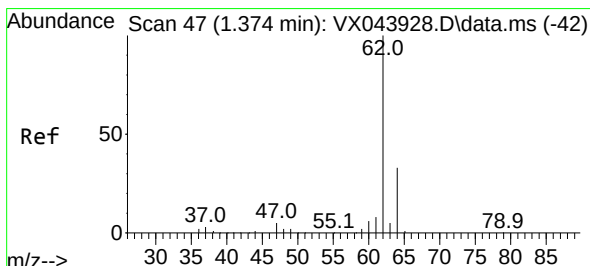
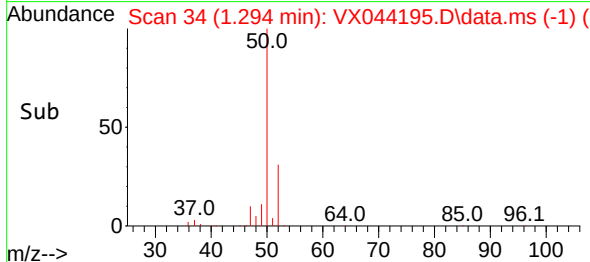
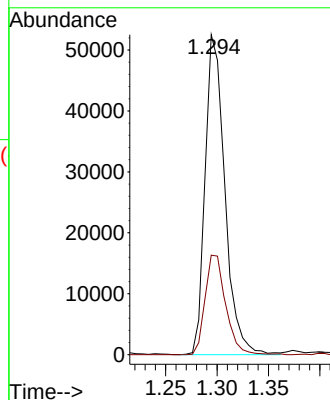
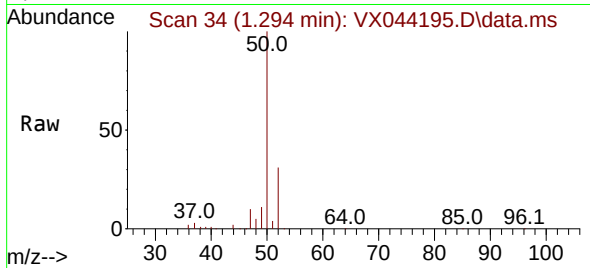




#3
Chloromethane
Concen: 40.240 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

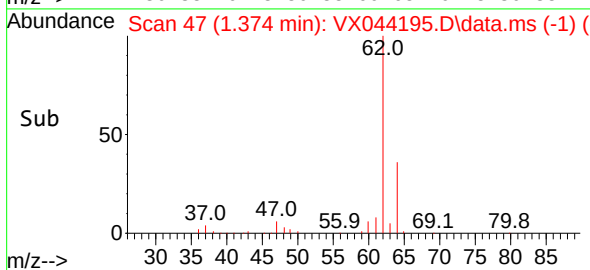
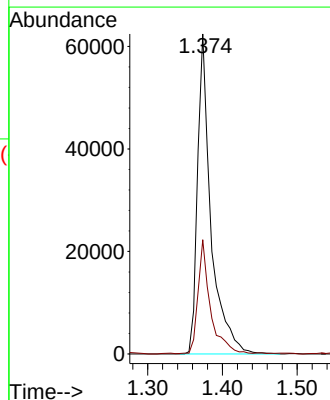
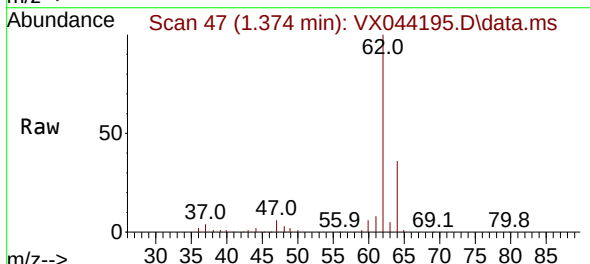
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

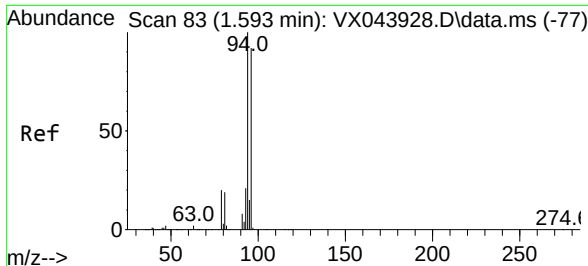
Tgt Ion: 50 Resp: 70433
Ion Ratio Lower Upper
50 100
52 31.1 26.1 39.1



#4
Vinyl Chloride
Concen: 41.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 62 Resp: 77773
Ion Ratio Lower Upper
62 100
64 35.6 26.2 39.4

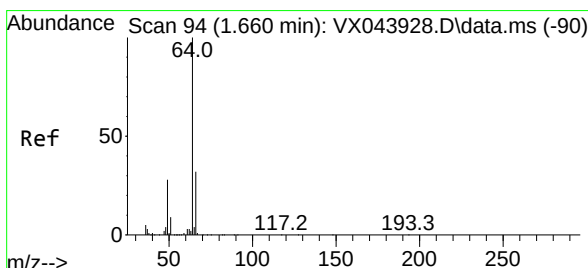
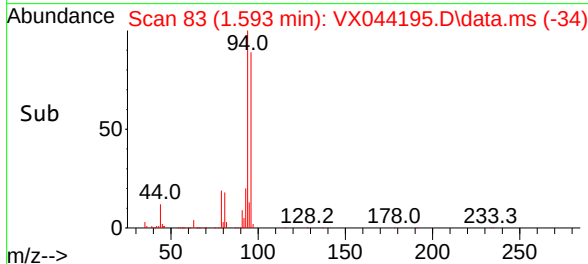
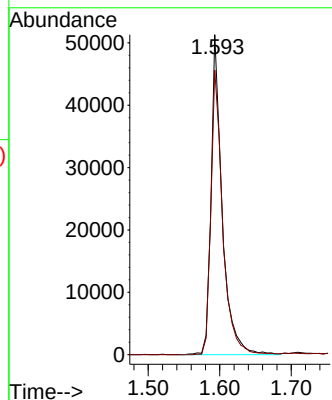
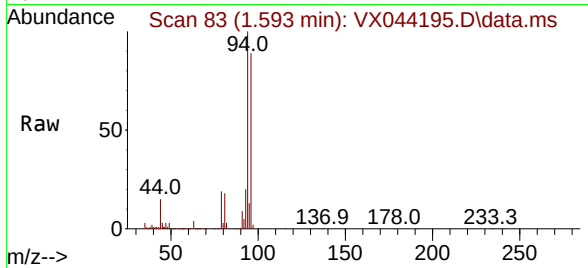




#5
Bromomethane
Concen: 48.466 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

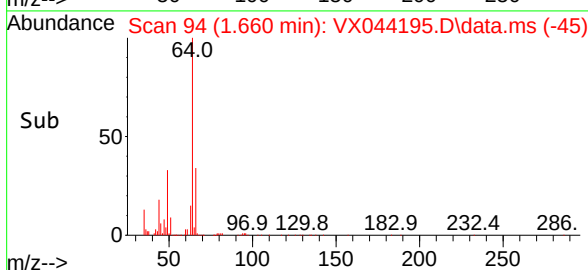
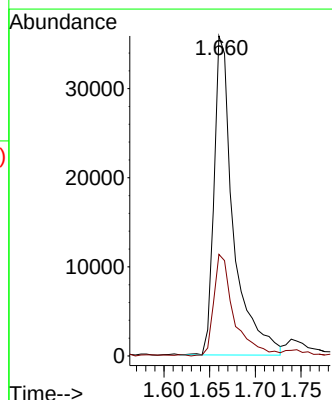
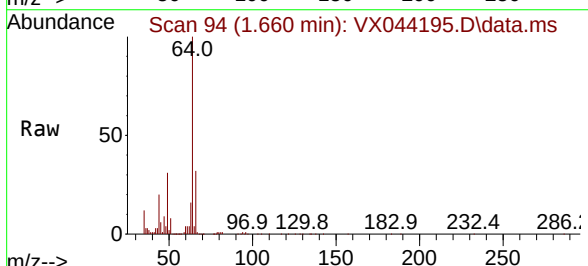
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

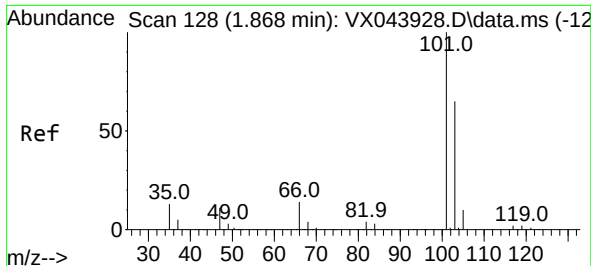
Tgt Ion: 94 Resp: 55509
Ion Ratio Lower Upper
94 100
96 89.0 73.9 110.9



#6
Chloroethane
Concen: 46.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 64 Resp: 52511
Ion Ratio Lower Upper
64 100
66 31.4 25.9 38.9

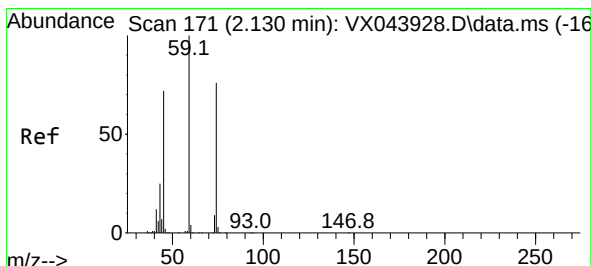
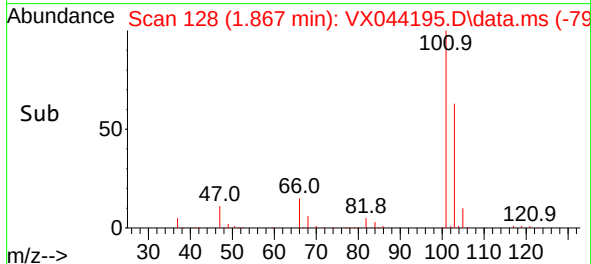
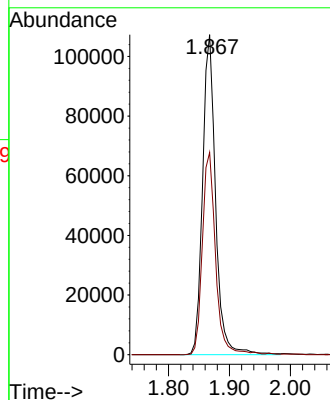
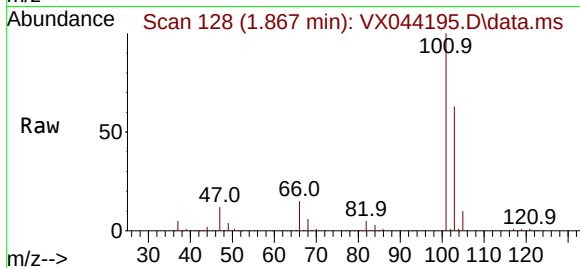




#7
 Trichlorofluoromethane
 Concen: 47.719 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX044195.D
 Acq: 09 Dec 2024 18:00

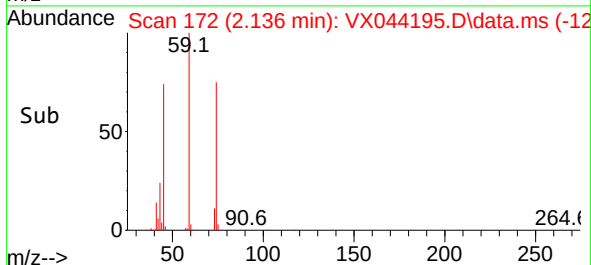
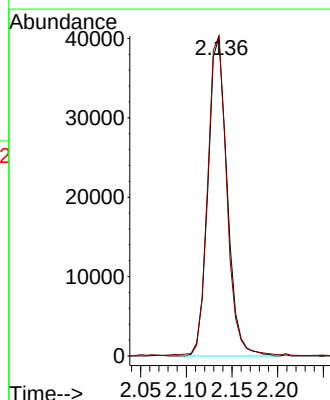
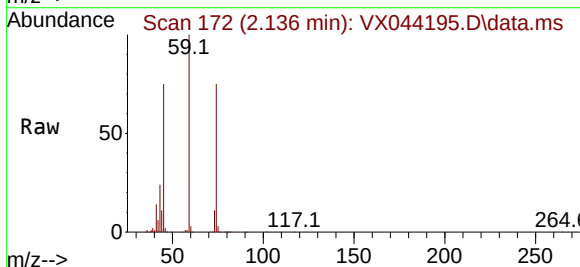
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

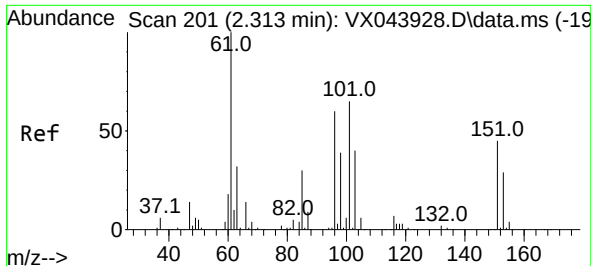
Tgt Ion:101 Resp: 158833
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.2 78.2



#8
 Diethyl Ether
 Concen: 48.156 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VX044195.D
 Acq: 09 Dec 2024 18:00

Tgt Ion: 74 Resp: 58422
 Ion Ratio Lower Upper
 74 100
 45 99.2 47.9 143.6

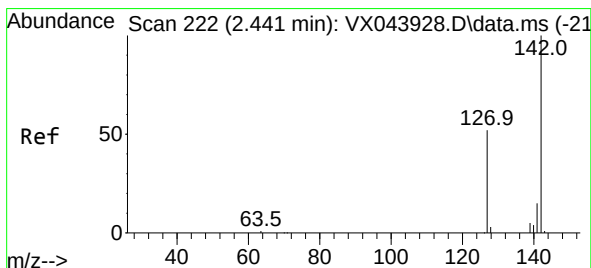
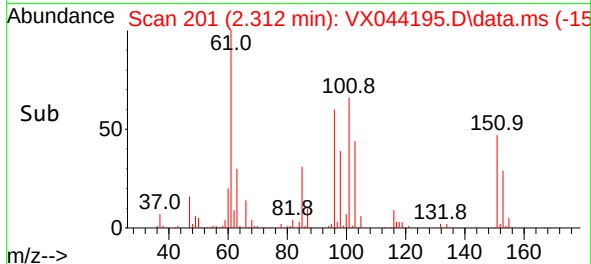
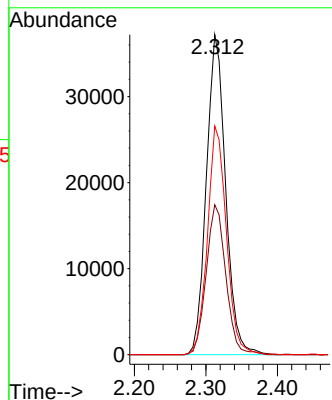
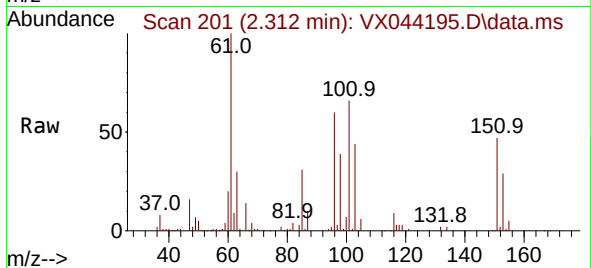




#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.767 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

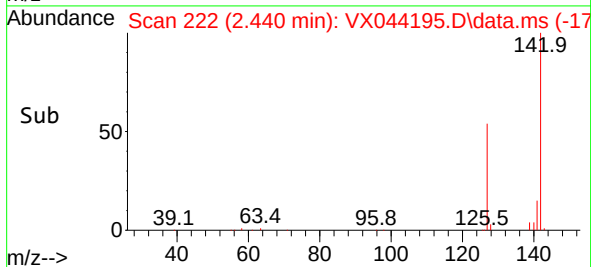
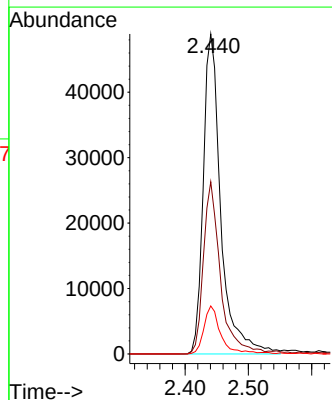
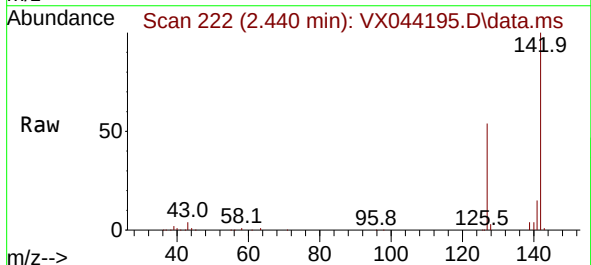
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

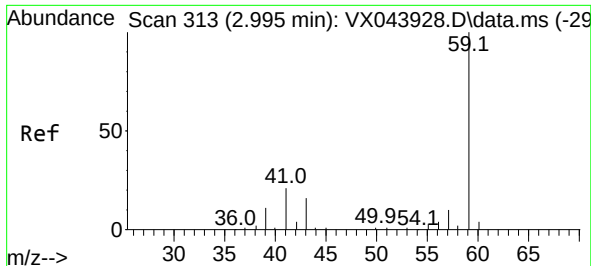
Tgt Ion:101 Resp: 69490
Ion Ratio Lower Upper
101 100
85 47.8 37.9 56.9
151 70.4 57.5 86.3



#10
Methyl Iodide
Concen: 47.840 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:142 Resp: 94864
Ion Ratio Lower Upper
142 100
127 52.1 40.7 61.1
141 14.4 12.0 18.0

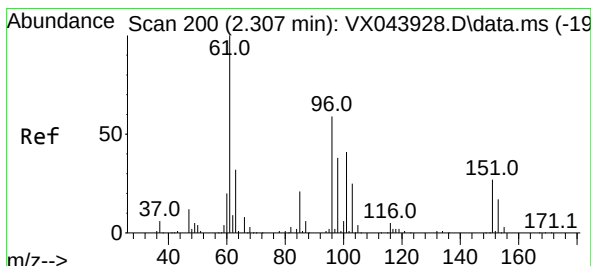
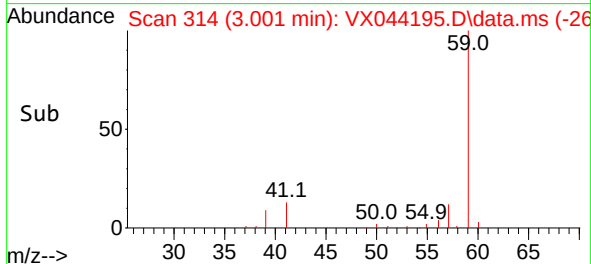
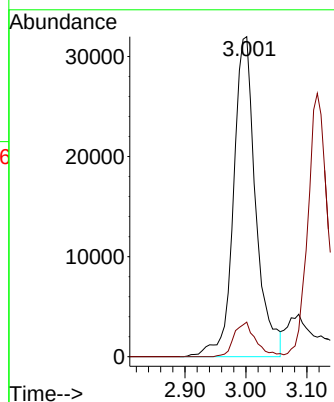
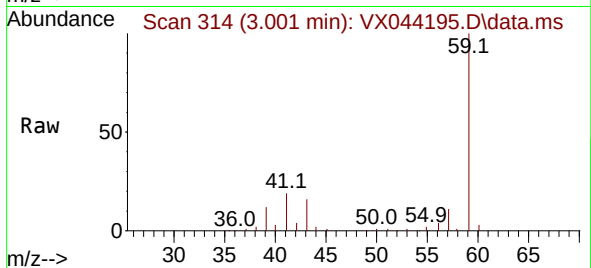




#11
Tert butyl alcohol
Concen: 224.985 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

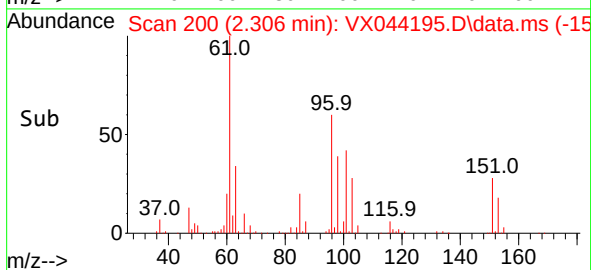
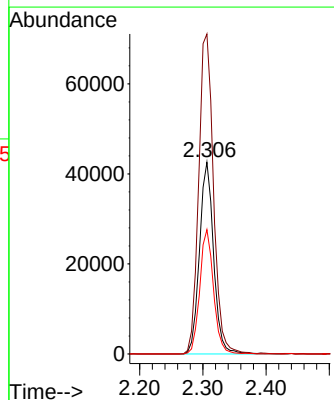
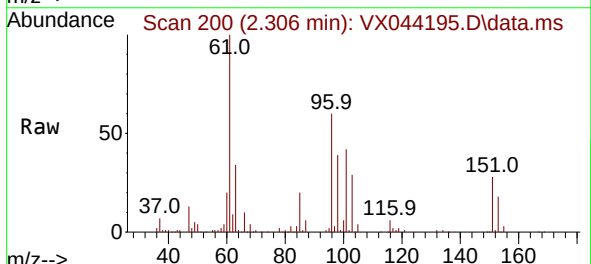
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

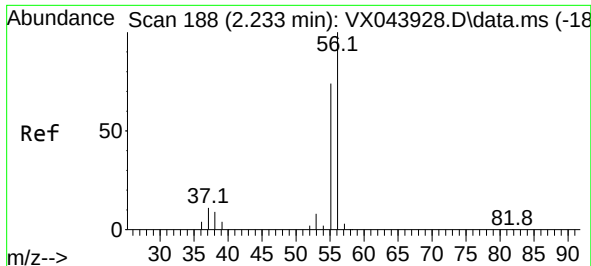
Tgt Ion: 59 Resp: 81324
Ion Ratio Lower Upper
59 100
57 10.6 7.9 11.9



#12
1,1-Dichloroethene
Concen: 43.842 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 96 Resp: 66330
Ion Ratio Lower Upper
96 100
61 167.0 135.5 203.3
98 64.8 50.8 76.2

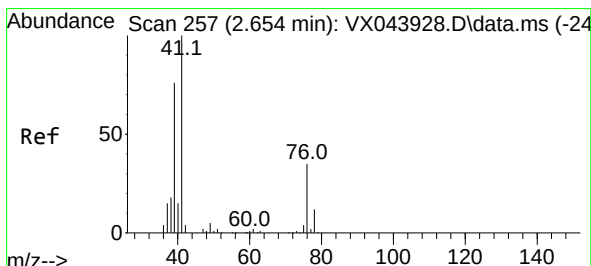
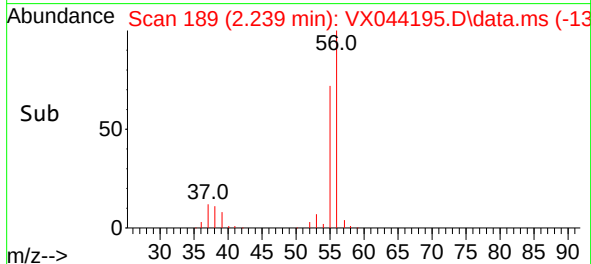
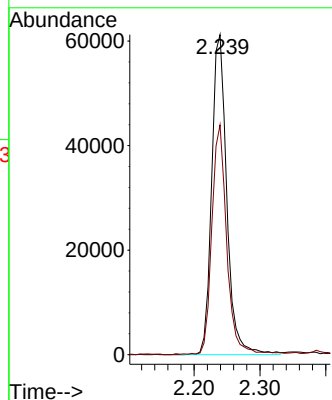
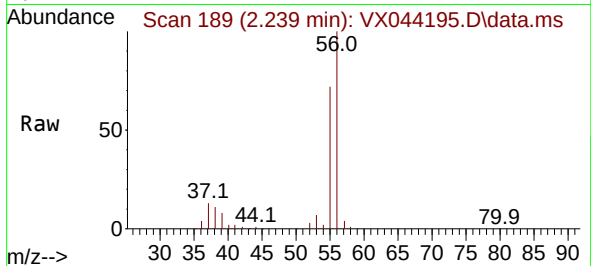




#13
Acrolein
Concen: 256.674 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

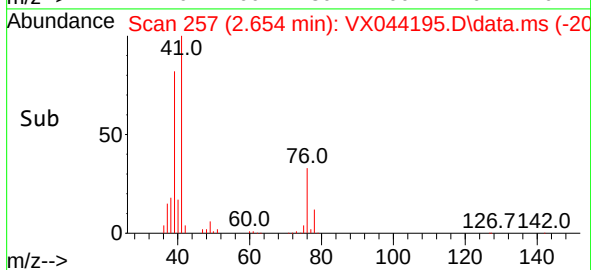
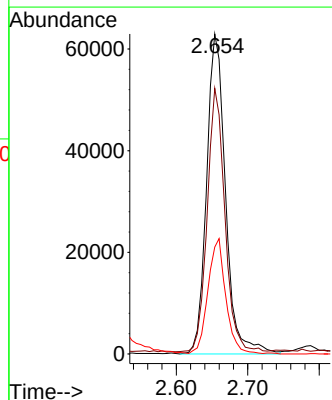
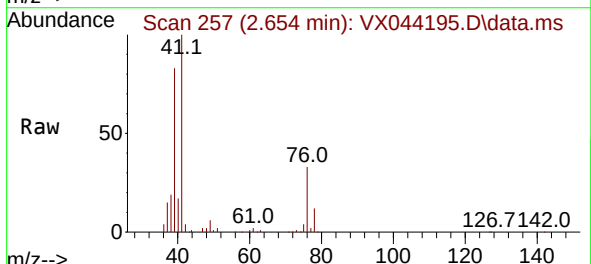
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

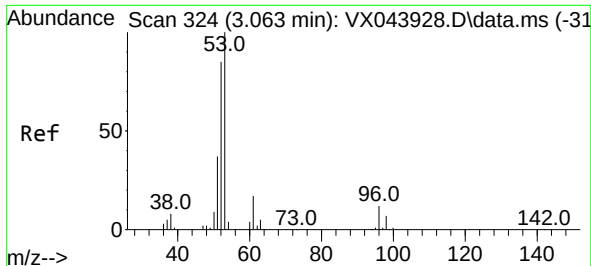
Tgt Ion: 56 Resp: 97792
Ion Ratio Lower Upper
56 100
55 71.4 58.2 87.2



#14
Allyl chloride
Concen: 47.063 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 41 Resp: 116347
Ion Ratio Lower Upper
41 100
39 76.2 59.5 89.3
76 33.5 27.4 41.2

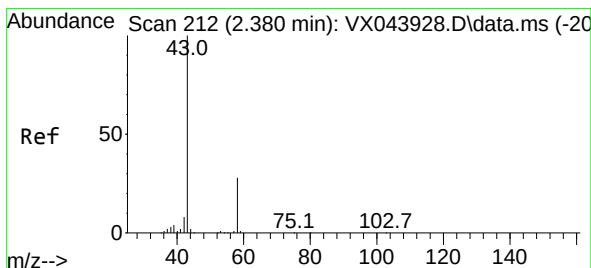
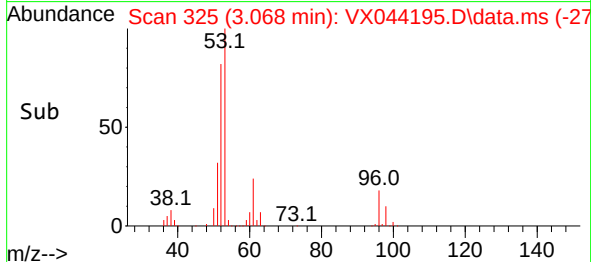
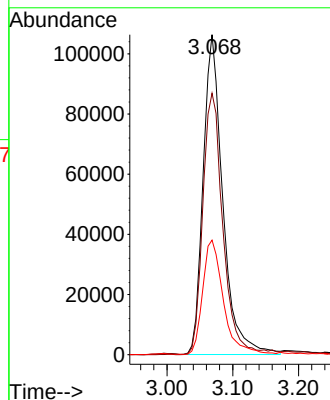
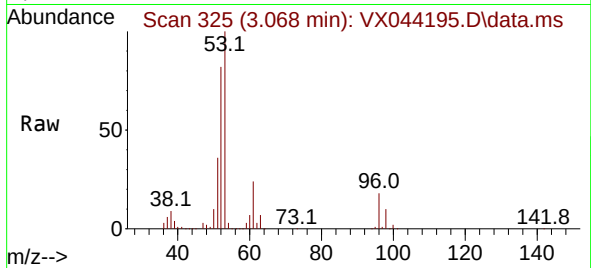




#15
Acrylonitrile
Concen: 251.011 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

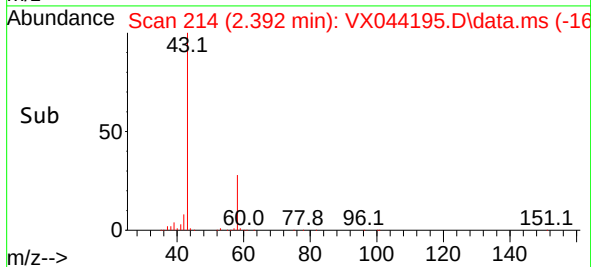
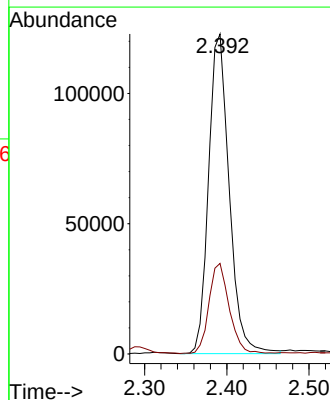
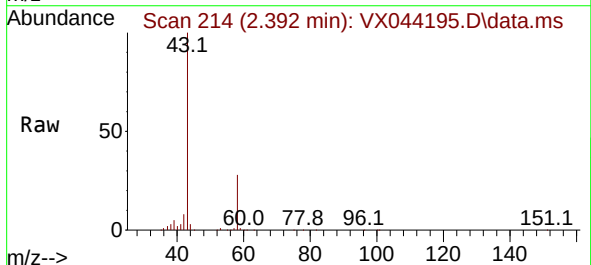
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

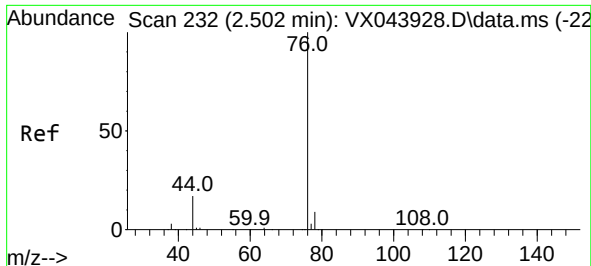
Tgt Ion: 53 Resp: 221106
Ion Ratio Lower Upper
53 100
52 83.8 66.5 99.7
51 37.5 30.2 45.4



#16
Acetone
Concen: 207.003 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 214107
Ion Ratio Lower Upper
43 100
58 28.2 22.7 34.1

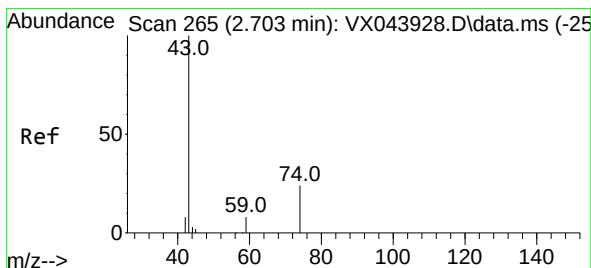
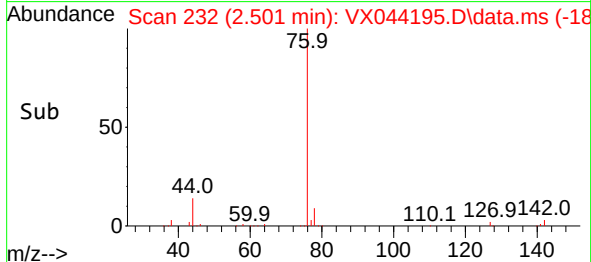
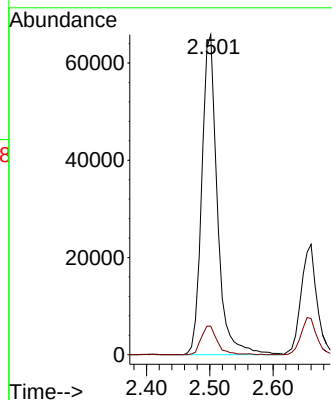
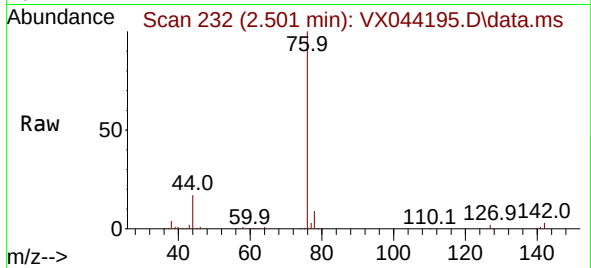




#17
Carbon Disulfide
Concen: 36.130 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

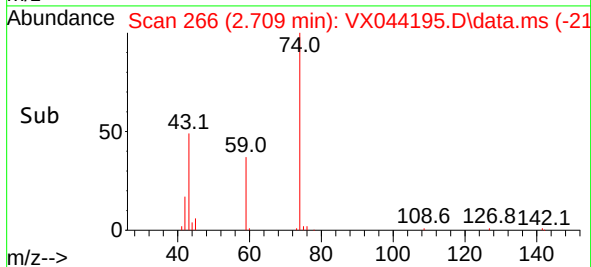
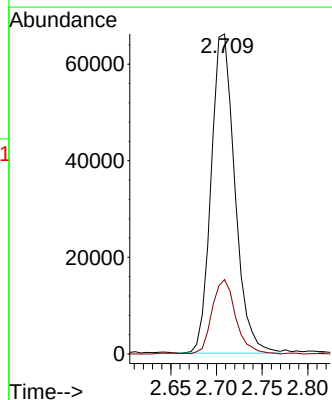
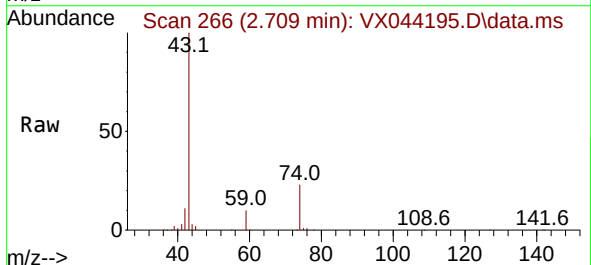
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

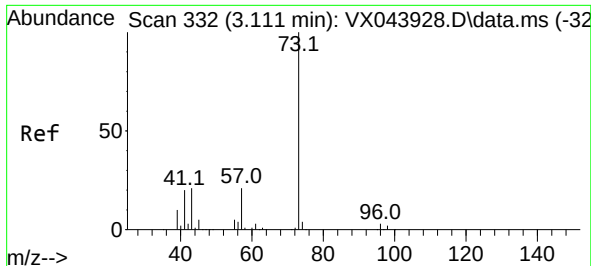
Tgt Ion: 76 Resp: 112753
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 49.645 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 119578
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3

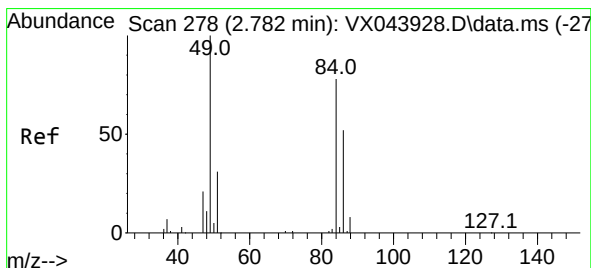
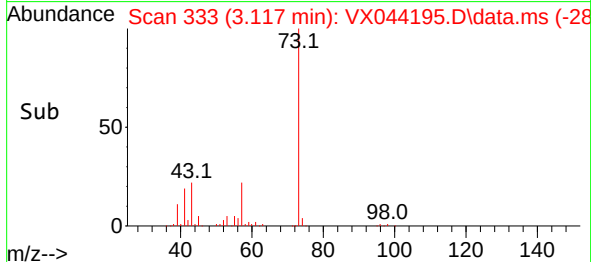
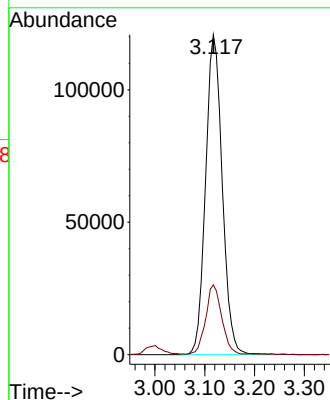
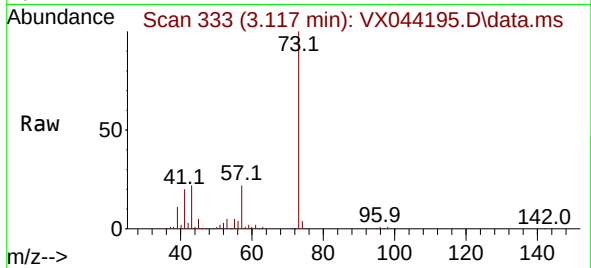




#19
Methyl tert-butyl Ether
Concen: 50.926 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

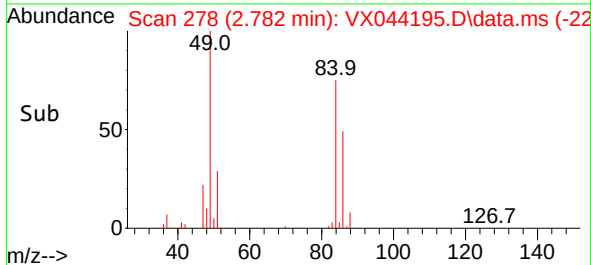
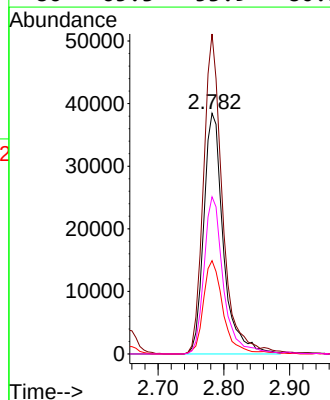
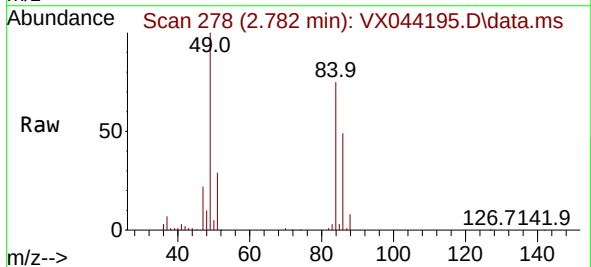
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

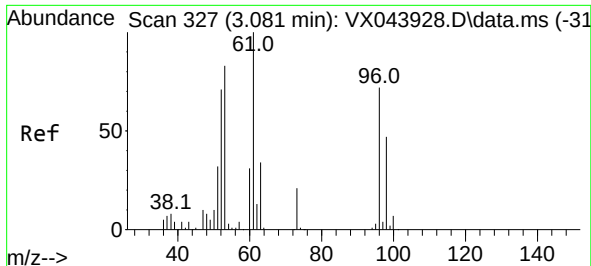
Tgt Ion: 73 Resp: 279759
Ion Ratio Lower Upper
73 100
57 21.7 17.0 25.6



#20
Methylene Chloride
Concen: 45.418 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 84 Resp: 79720
Ion Ratio Lower Upper
84 100
49 133.0 102.7 154.1
51 38.8 31.7 47.5
86 65.3 53.9 80.9

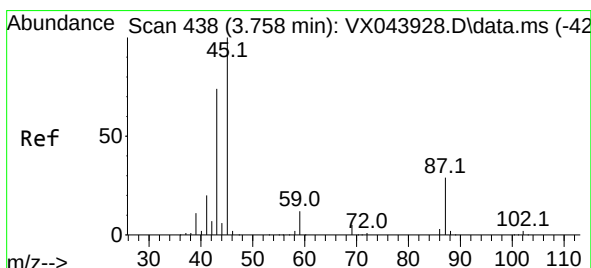
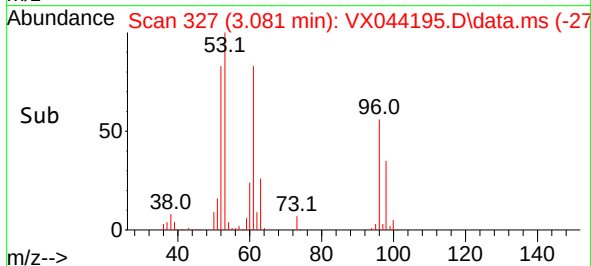
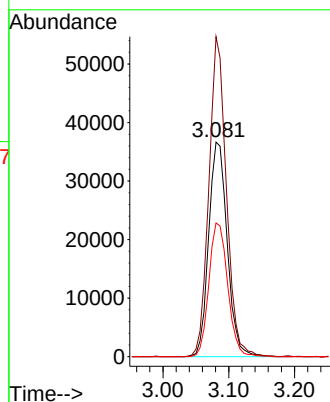
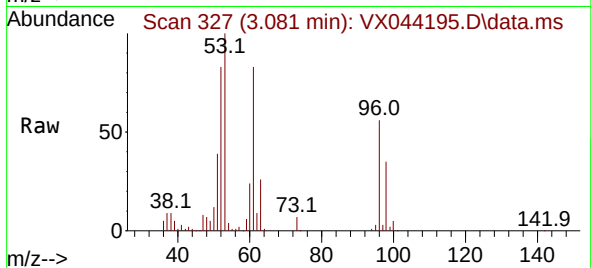




#21
trans-1,2-Dichloroethene
Concen: 46.062 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

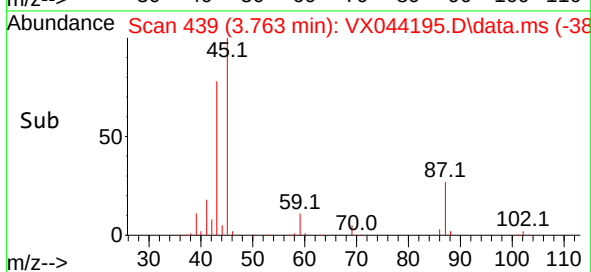
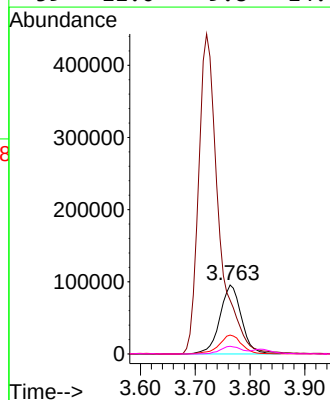
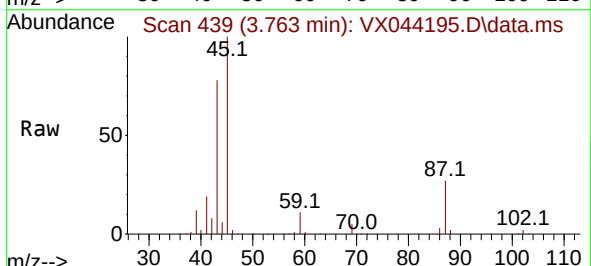
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

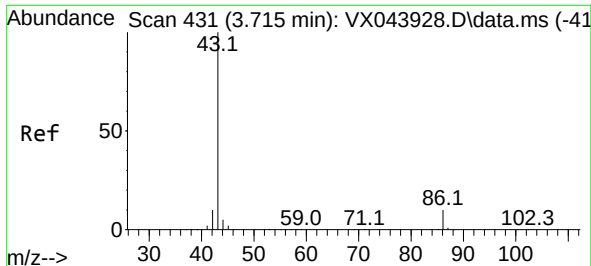
Tgt Ion: 96 Resp: 71950
Ion Ratio Lower Upper
96 100
61 149.1 111.8 167.6
98 62.4 52.7 79.1



#22
Diisopropyl ether
Concen: 49.458 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 45 Resp: 261443
Ion Ratio Lower Upper
45 100
43 77.8 59.6 89.4
87 27.3 22.9 34.3
59 11.0 9.8 14.6

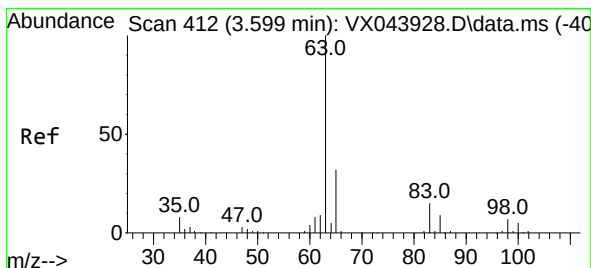
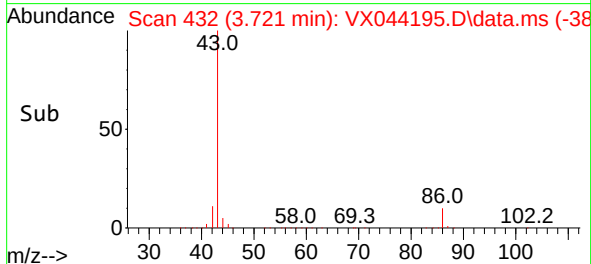
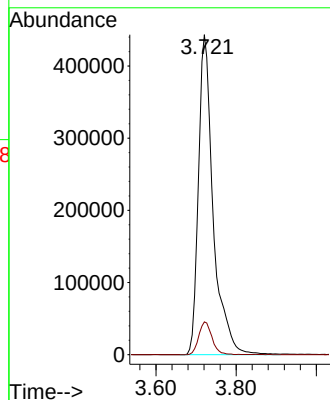
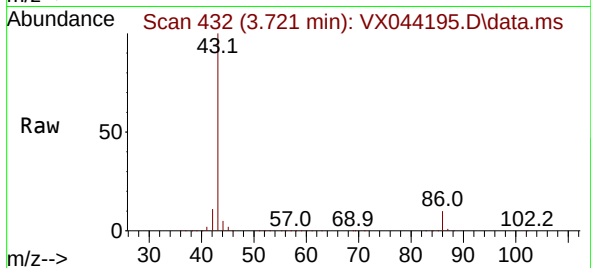




#23
 Vinyl Acetate
 Concen: 250.436 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX044195.D
 Acq: 09 Dec 2024 18:00

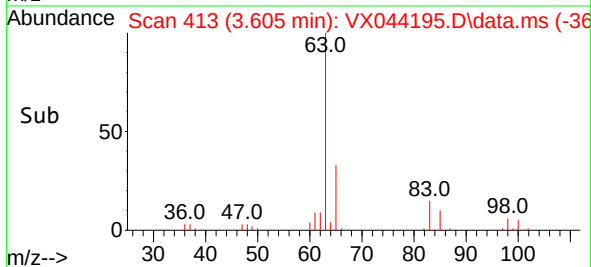
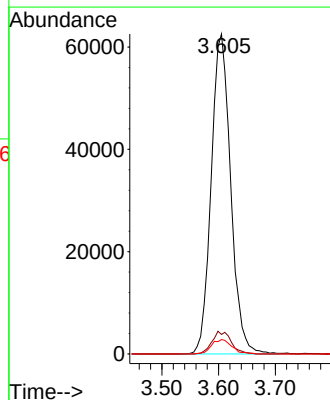
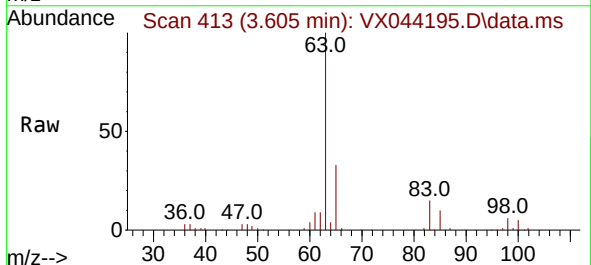
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

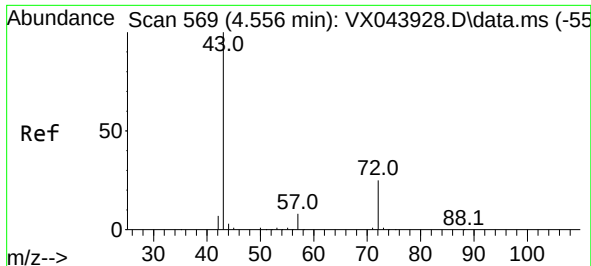
Tgt Ion: 43 Resp: 1132475
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 48.934 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044195.D
 Acq: 09 Dec 2024 18:00

Tgt Ion: 63 Resp: 149227
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.6
 100 4.5 2.4 7.1

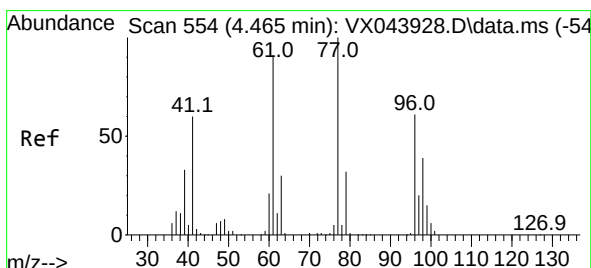
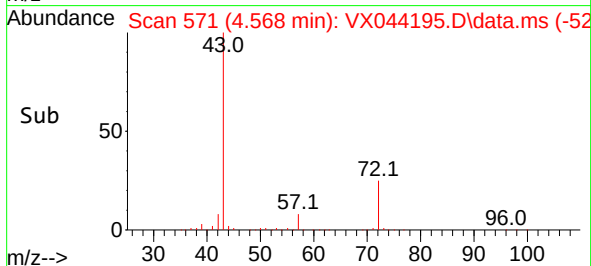
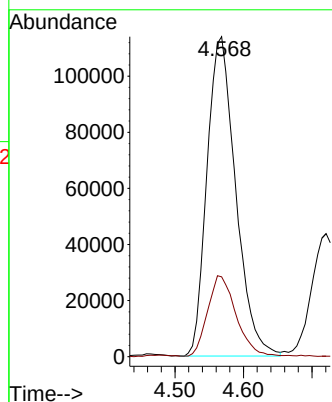
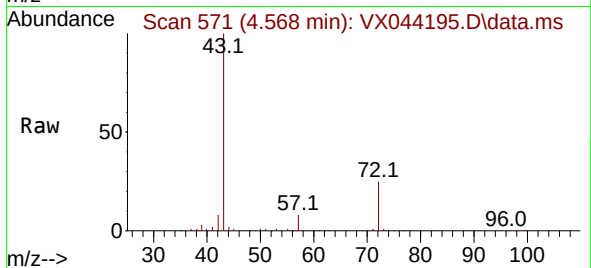




#25
2-Butanone
Concen: 248.401 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

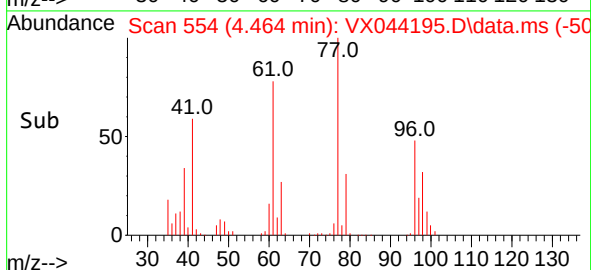
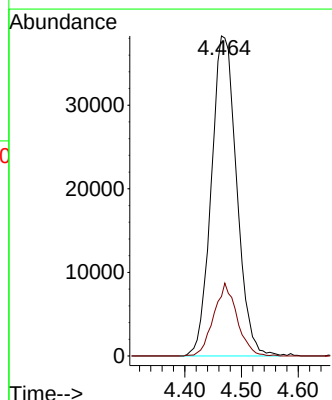
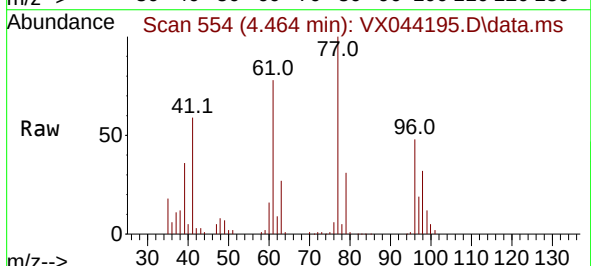
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

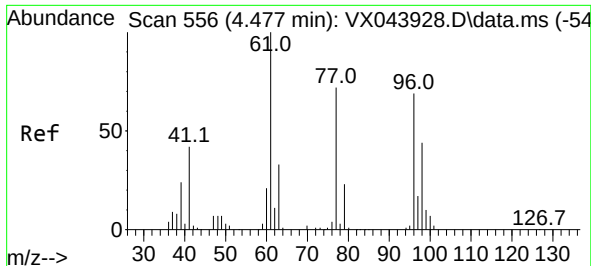
Tgt Ion: 43 Resp: 331515
Ion Ratio Lower Upper
43 100
72 24.8 20.2 30.2



#26
2,2-Dichloropropane
Concen: 43.095 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 77 Resp: 118688
Ion Ratio Lower Upper
77 100
97 20.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 47.328 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

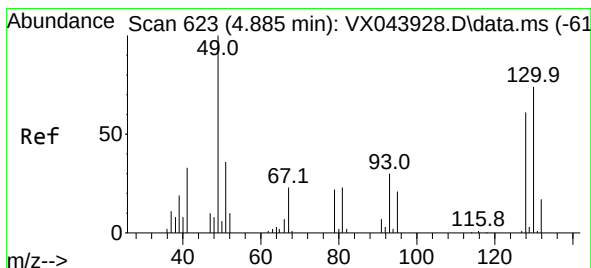
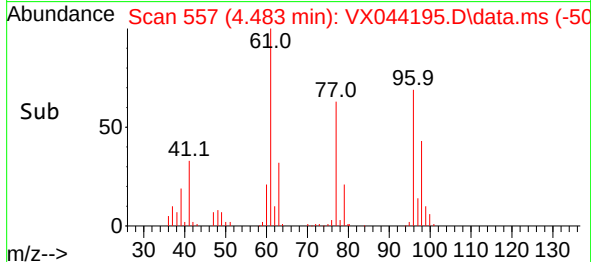
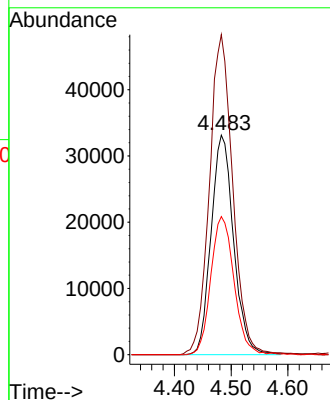
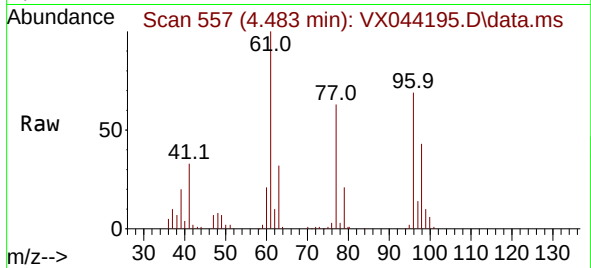
Tgt Ion: 96 Resp: 91381

Ion Ratio Lower Upper

96 100

61 151.2 0.0 297.4

98 65.0 0.0 127.8



#28

Bromochloromethane

Concen: 44.170 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

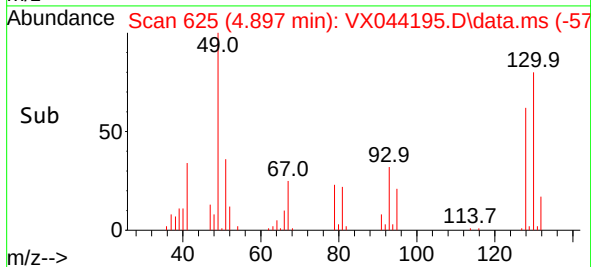
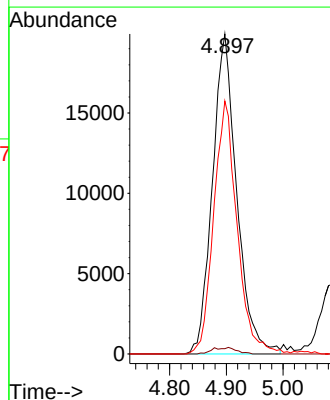
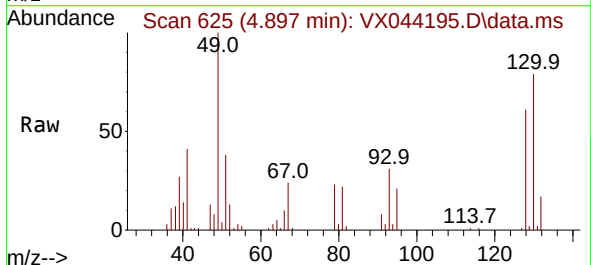
Tgt Ion: 49 Resp: 59291

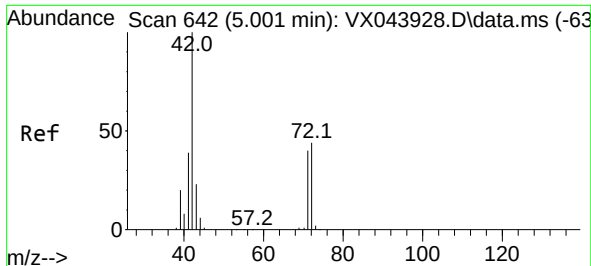
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 76.2 59.0 88.6





#29

Tetrahydrofuran

Concen: 259.914 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

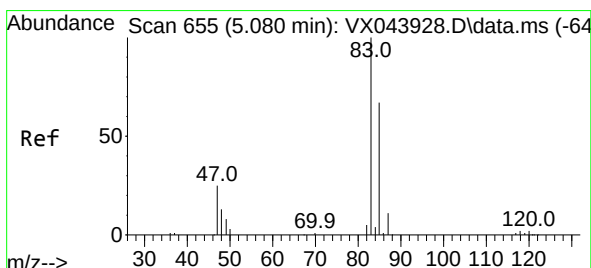
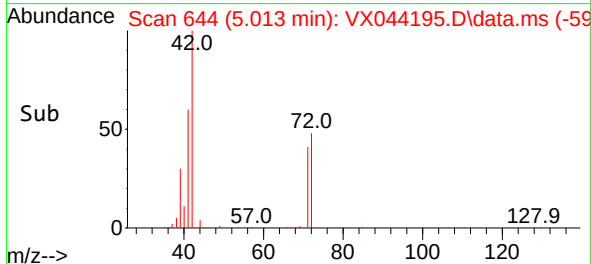
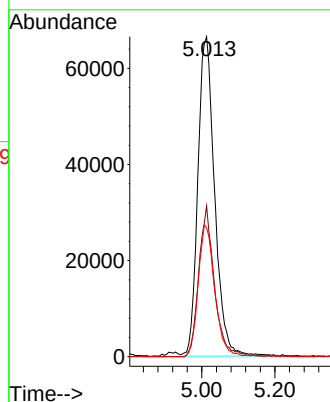
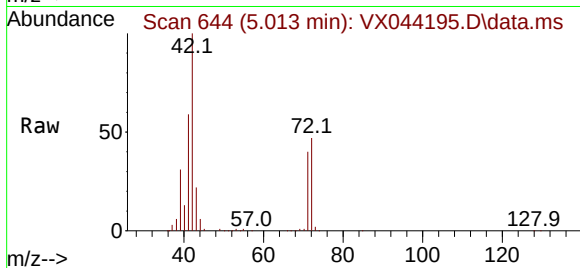
Tgt Ion: 42 Resp: 212659

Ion Ratio Lower Upper

42 100

72 43.5 36.4 54.6

71 40.5 33.4 50.0



#30

Chloroform

Concen: 50.011 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044195.D

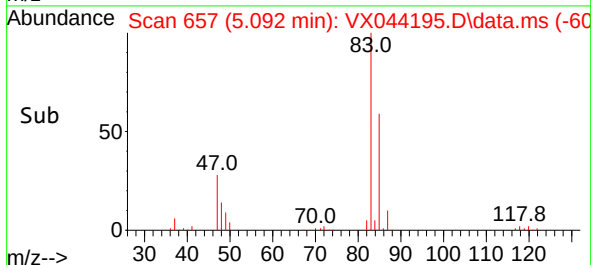
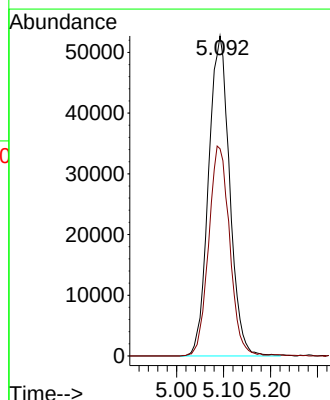
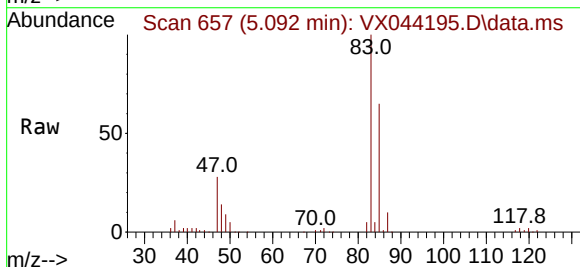
Acq: 09 Dec 2024 18:00

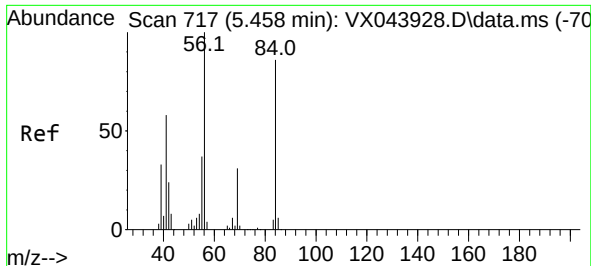
Tgt Ion: 83 Resp: 164031

Ion Ratio Lower Upper

83 100

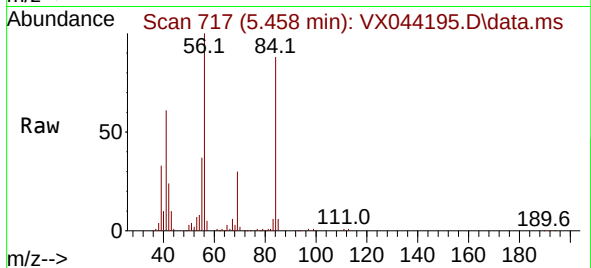
85 64.8 53.5 80.3



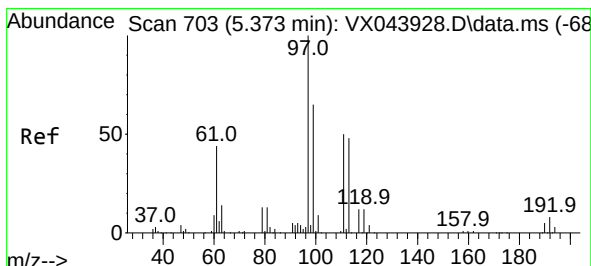
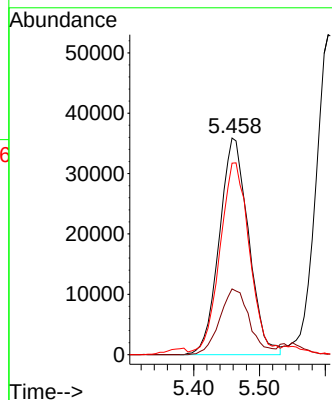
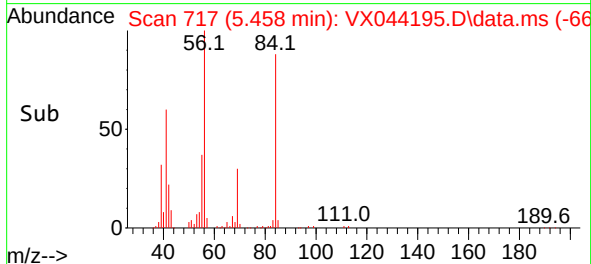


#31
Cyclohexane
Concen: 44.246 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

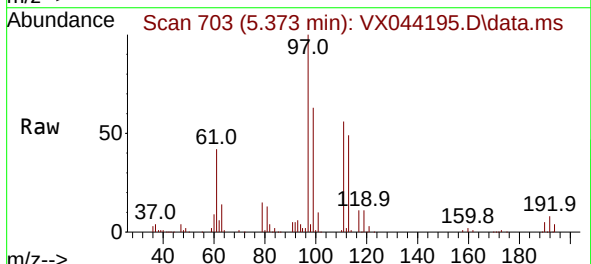
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



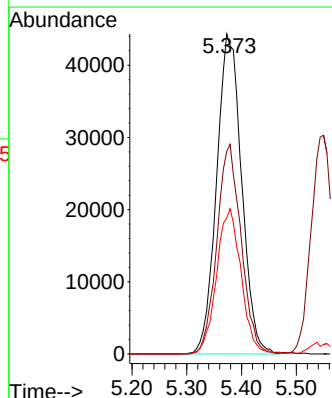
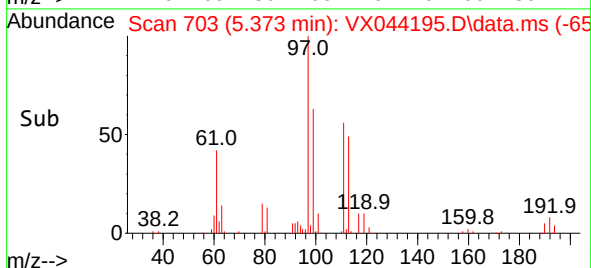
Tgt Ion: 56 Resp: 111053
Ion Ratio Lower Upper
56 100
69 30.4 24.7 37.1
84 85.6 68.7 103.1

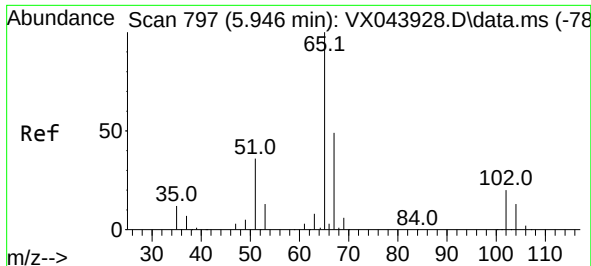


#32
1,1,1-Trichloroethane
Concen: 49.647 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00



Tgt Ion: 97 Resp: 140424
Ion Ratio Lower Upper
97 100
99 63.2 50.8 76.2
61 44.7 35.4 53.2

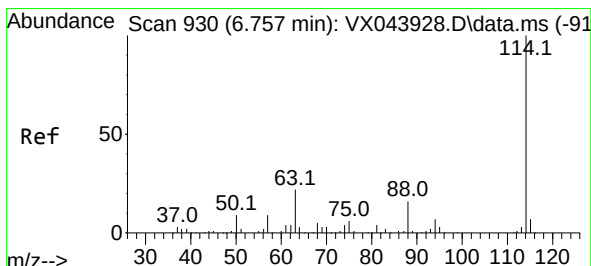
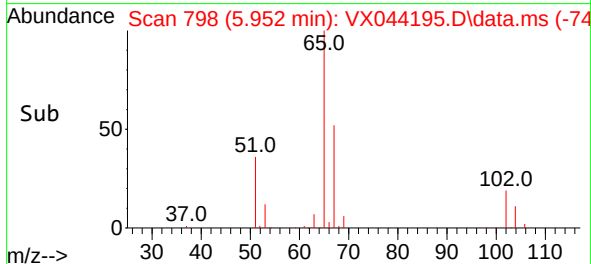
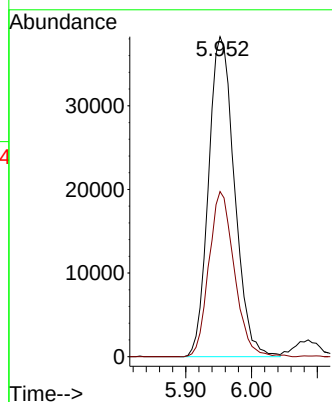
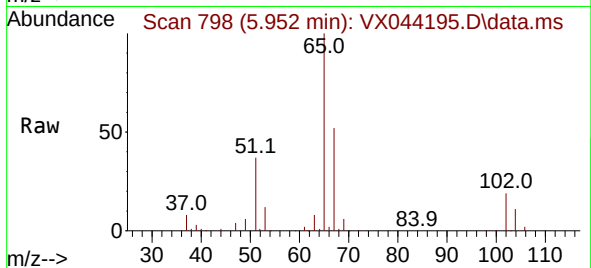




#33
 1,2-Dichloroethane-d4
 Concen: 46.681 ug/l
 RT: 5.952 min Scan# 79
 Delta R.T. 0.006 min
 Lab File: VX044195.D
 Acq: 09 Dec 2024 18:00

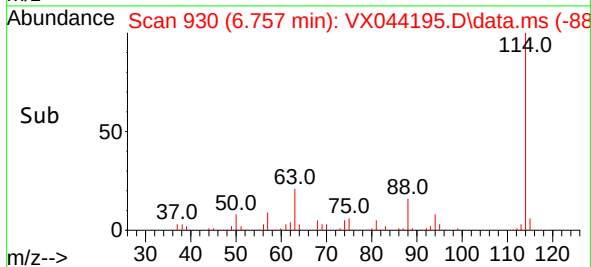
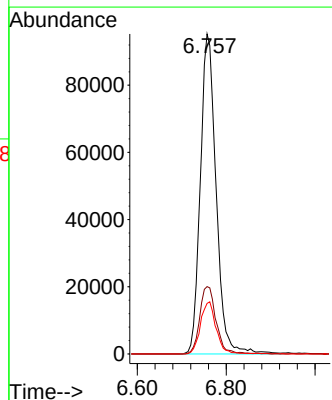
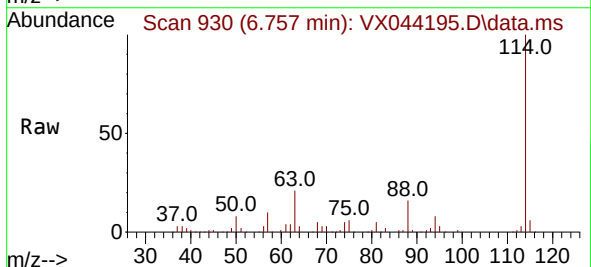
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

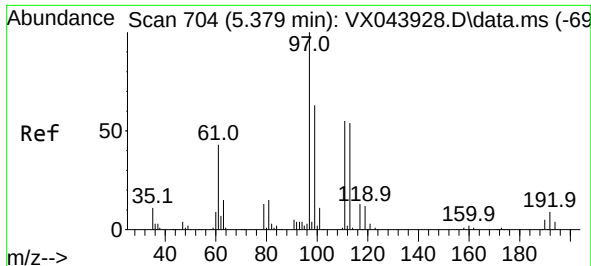
Tgt Ion: 65 Resp: 105126
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044195.D
 Acq: 09 Dec 2024 18:00

Tgt Ion: 114 Resp: 235785
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 44.0
 88 15.8 0.0 32.4

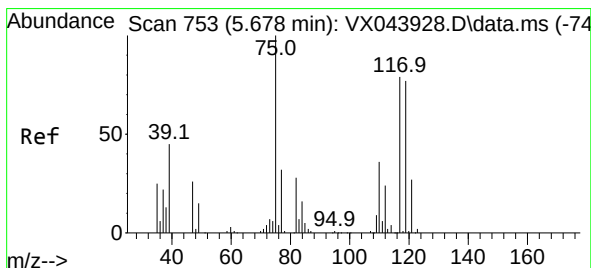
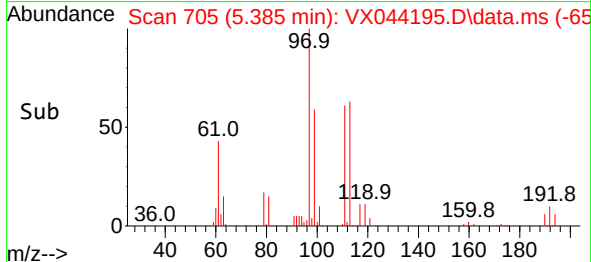
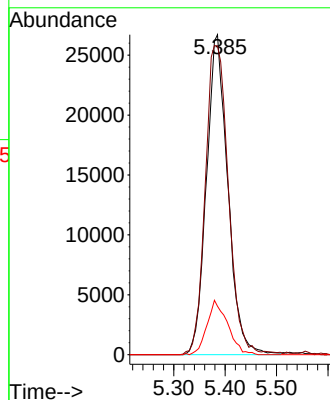
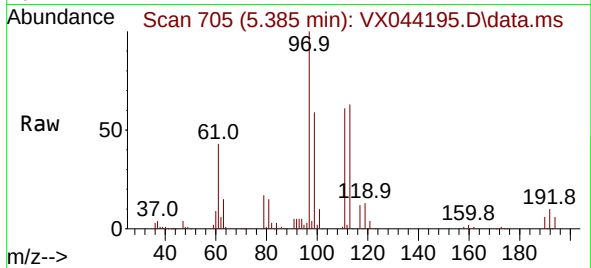




#35
Dibromofluoromethane
Concen: 45.723 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

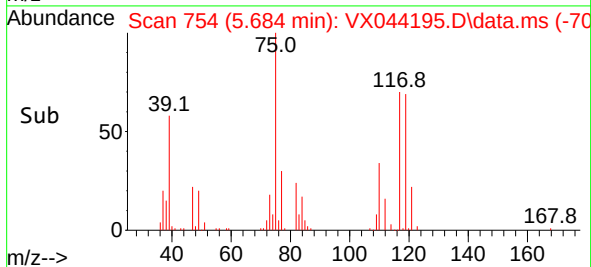
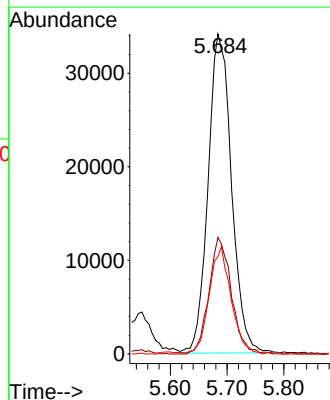
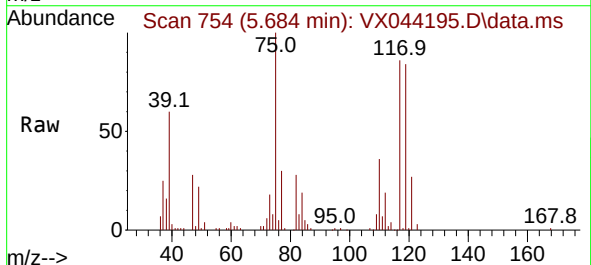
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

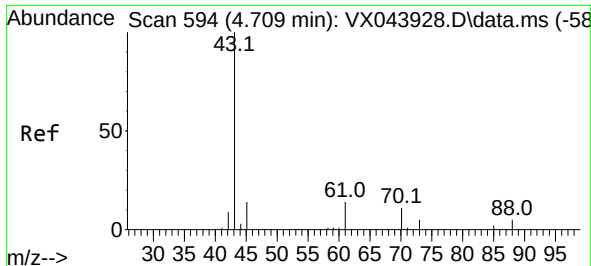
Tgt Ion:113 Resp: 77035
Ion Ratio Lower Upper
113 100
111 104.1 81.0 121.4
192 16.6 13.0 19.6



#36
1,1-Dichloropropene
Concen: 46.667 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 97977
Ion Ratio Lower Upper
75 100
110 34.8 17.4 52.2
77 31.2 25.8 38.8





#37

Ethyl Acetate

Concen: 49.112 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

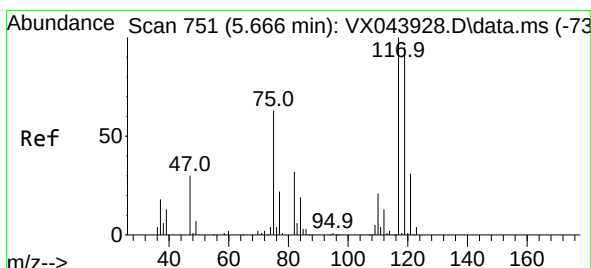
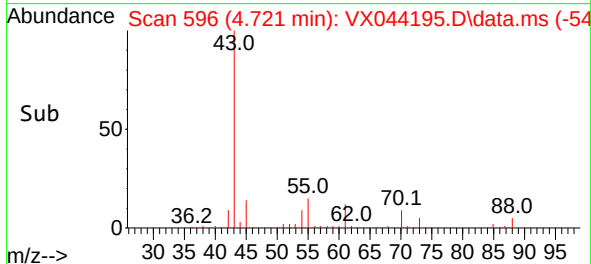
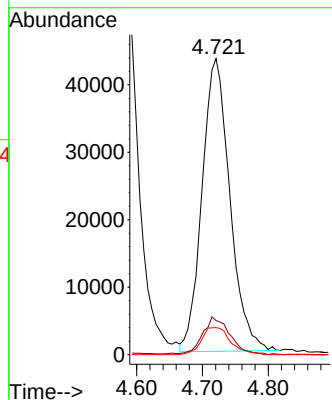
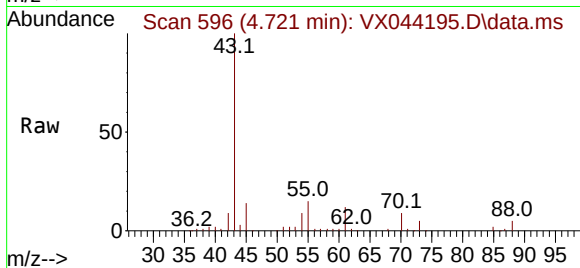
Tgt Ion: 43 Resp: 127992

Ion Ratio Lower Upper

43 100

61 12.6 10.7 16.1

70 9.7 8.0 12.0



#38

Carbon Tetrachloride

Concen: 47.113 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

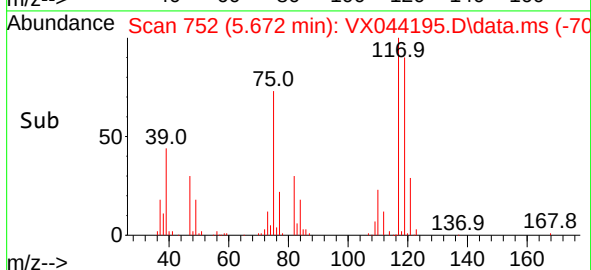
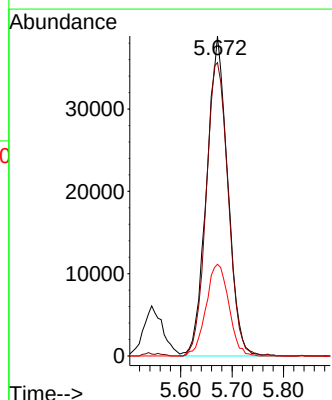
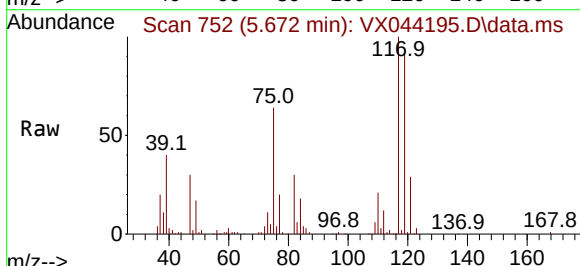
Tgt Ion: 117 Resp: 111142

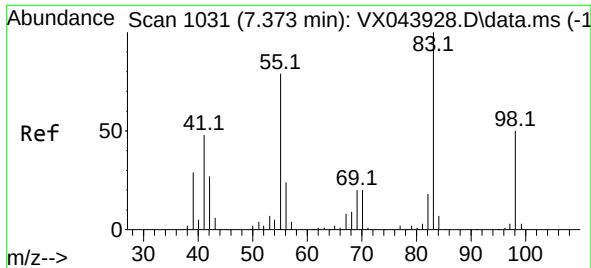
Ion Ratio Lower Upper

117 100

119 91.7 75.2 112.8

121 28.7 24.5 36.7

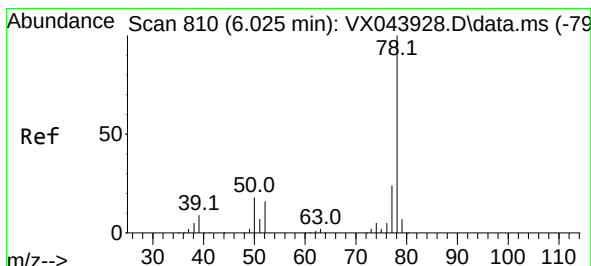
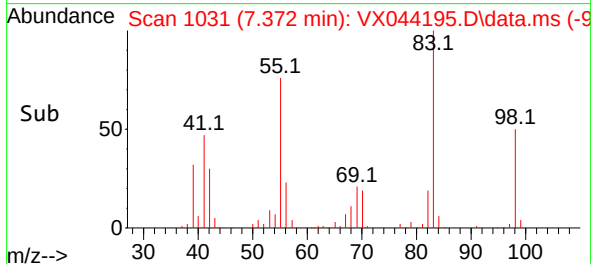
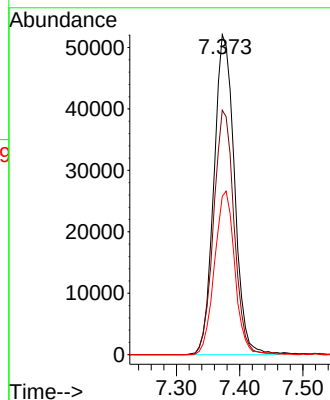
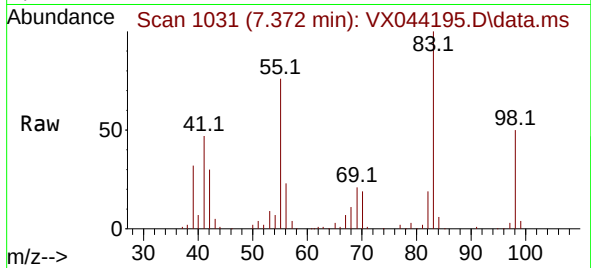




#39
Methylcyclohexane
Concen: 43.022 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

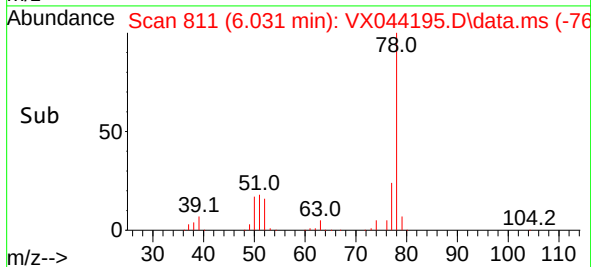
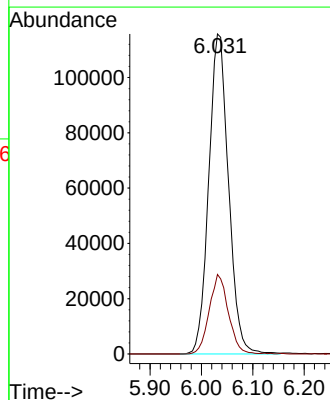
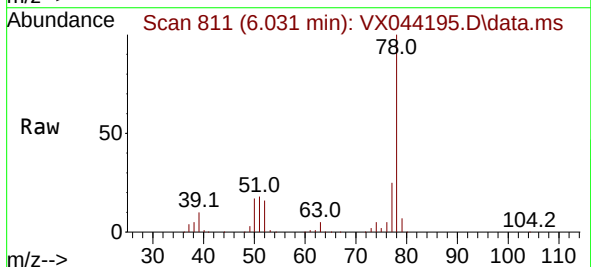
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

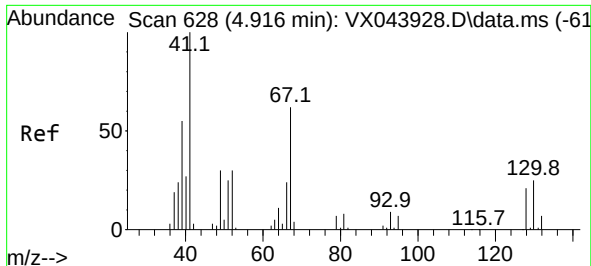
Tgt Ion: 83 Resp: 117340
Ion Ratio Lower Upper
83 100
55 76.4 63.1 94.7
98 49.5 40.0 60.0



#40
Benzene
Concen: 47.218 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 78 Resp: 308789
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8

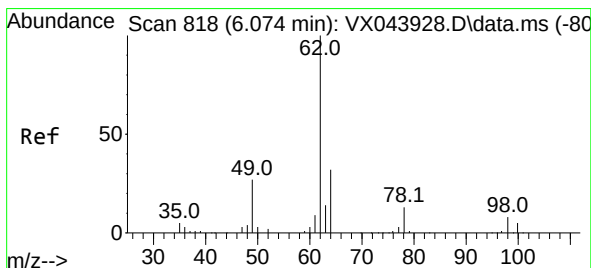
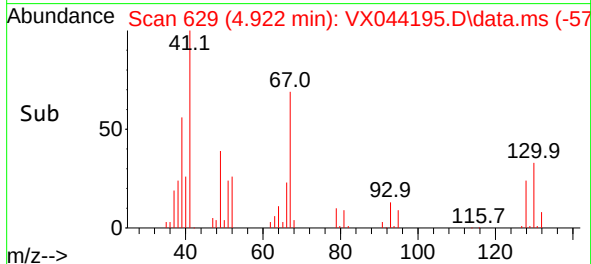
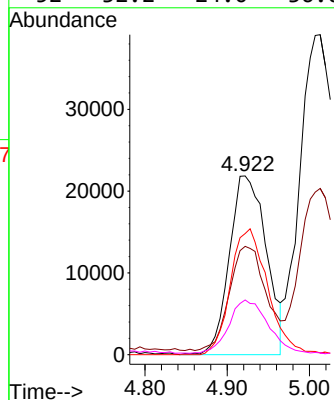
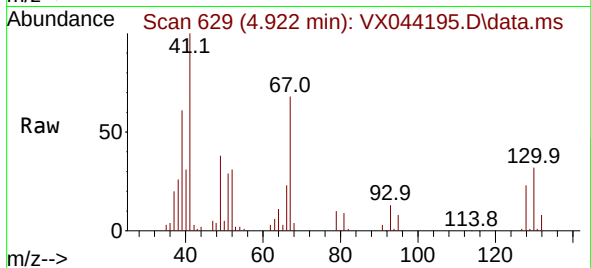




#41
Methacrylonitrile
Concen: 51.129 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

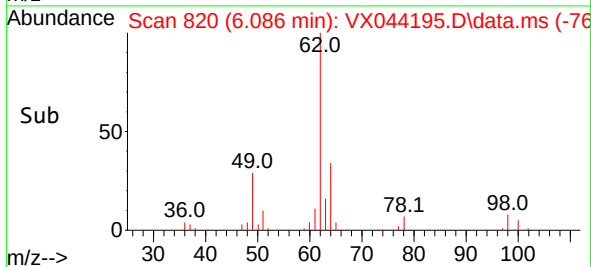
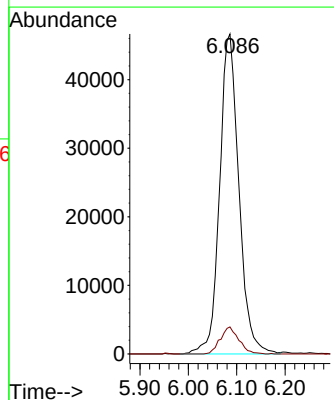
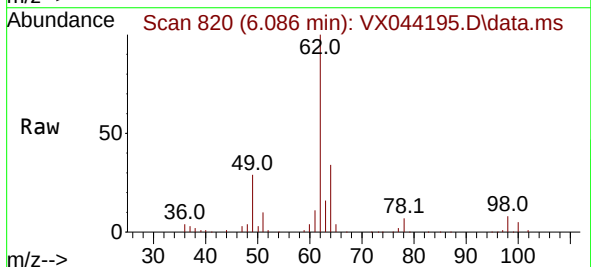
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

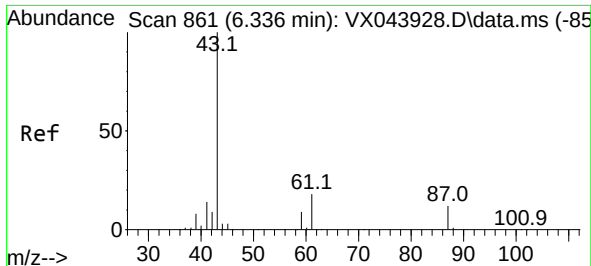
Tgt Ion:	41	Resp:	68199
Ion	Ratio	Lower	Upper
41	100		
39	57.4	41.7	62.5
67	71.7	55.8	83.8
52	32.2	24.0	36.0



#42
1,2-Dichloroethane
Concen: 49.190 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:	62	Resp:	129196
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4

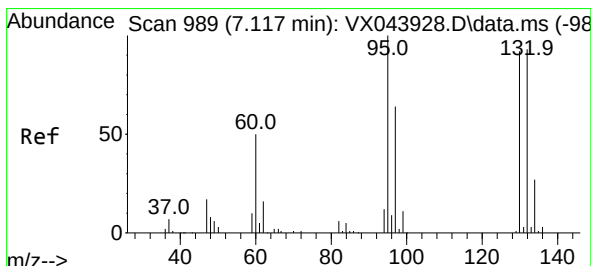
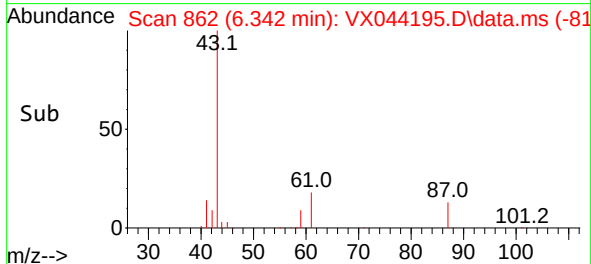
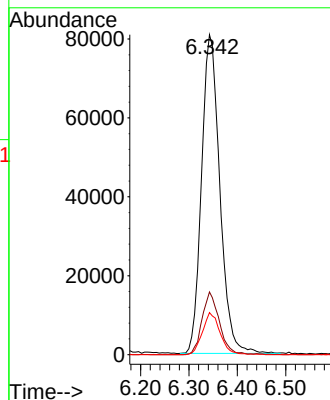
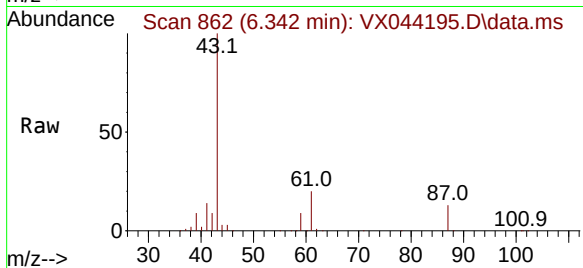




#43
Isopropyl Acetate
Concen: 51.255 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

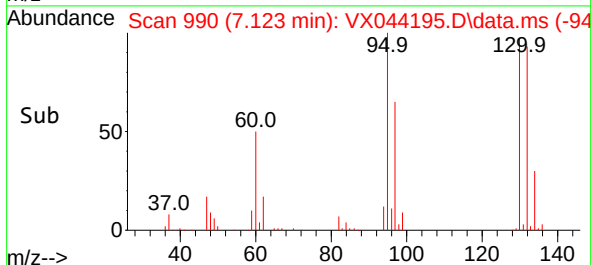
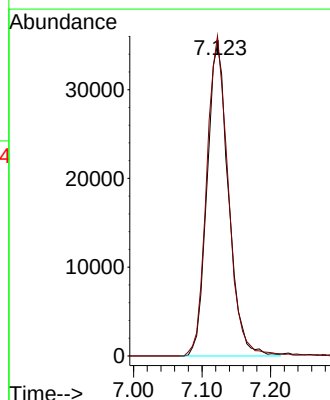
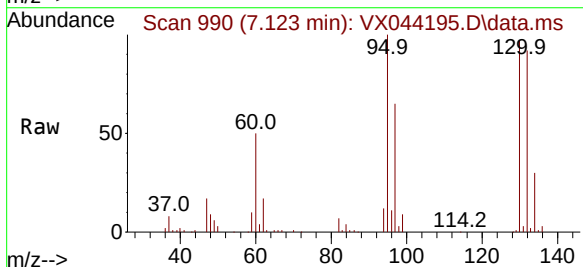
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

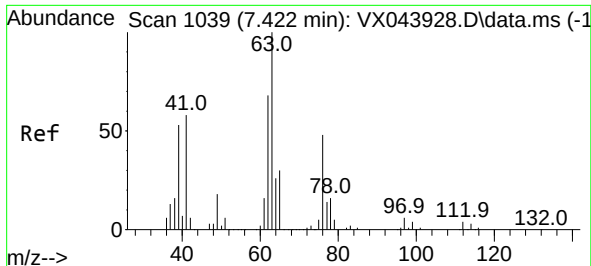
Tgt Ion: 43 Resp: 212581
Ion Ratio Lower Upper
43 100
61 18.5 14.5 21.7
87 12.7 10.2 15.2



#44
Trichloroethene
Concen: 41.377 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:130 Resp: 76601
Ion Ratio Lower Upper
130 100
95 102.8 0.0 217.8





#45

1,2-Dichloropropane

Concen: 48.435 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

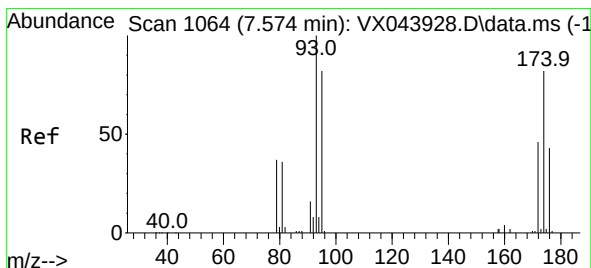
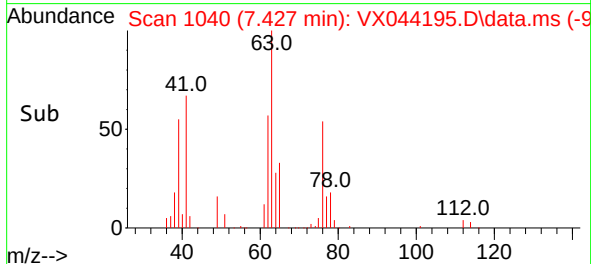
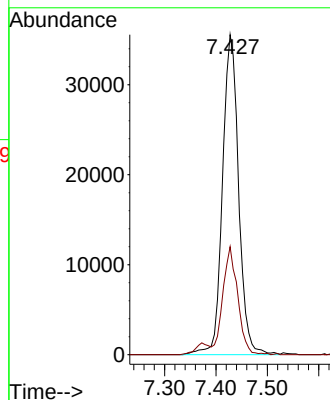
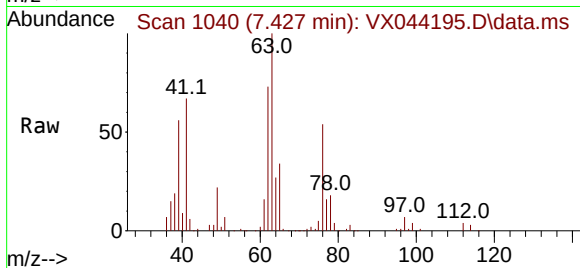
VSTDCCC050EC

Tgt Ion: 63 Resp: 77580

Ion Ratio Lower Upper

63 100

65 33.8 23.8 35.6



#46

Dibromomethane

Concen: 50.484 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

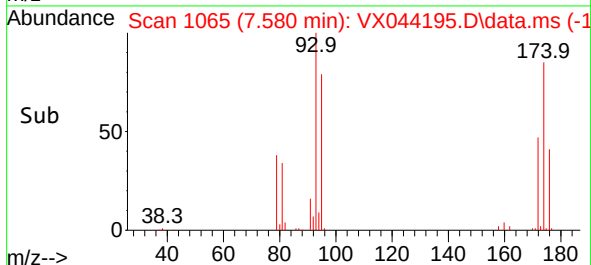
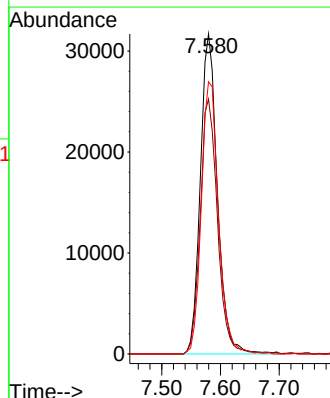
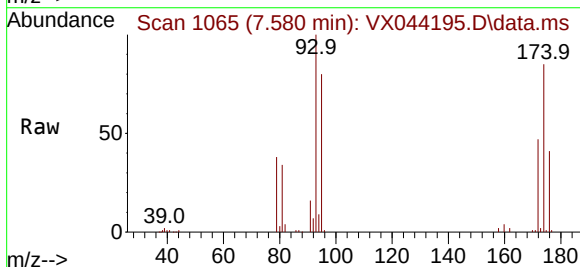
Tgt Ion: 93 Resp: 63965

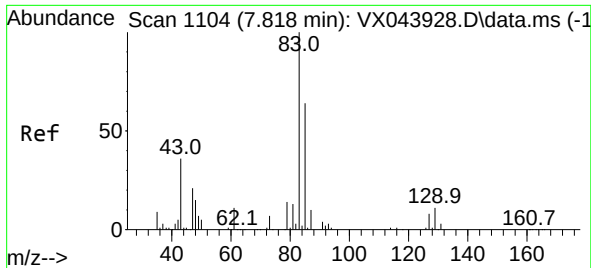
Ion Ratio Lower Upper

93 100

95 80.7 66.2 99.4

174 86.0 69.6 104.4

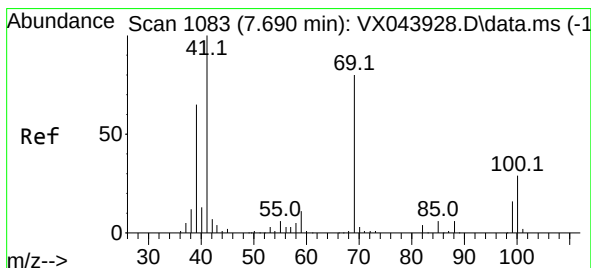
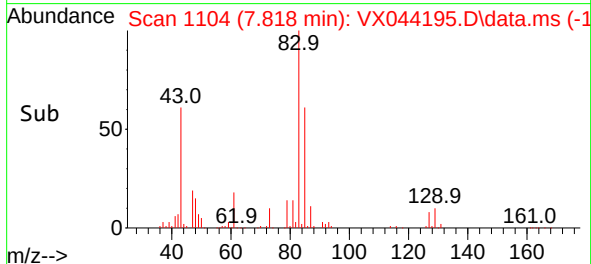
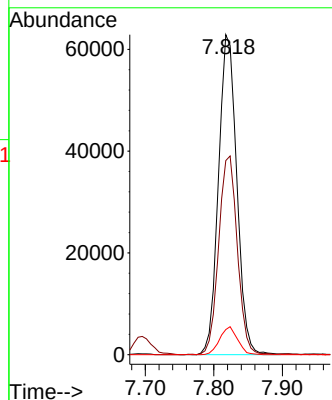
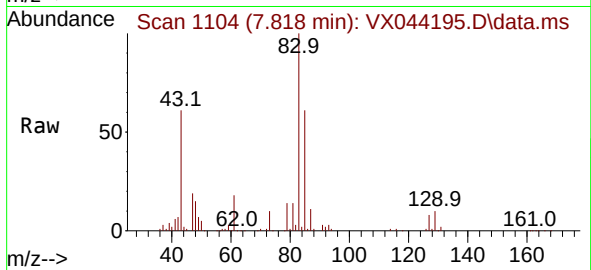




#47
Bromodichloromethane
Concen: 51.205 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

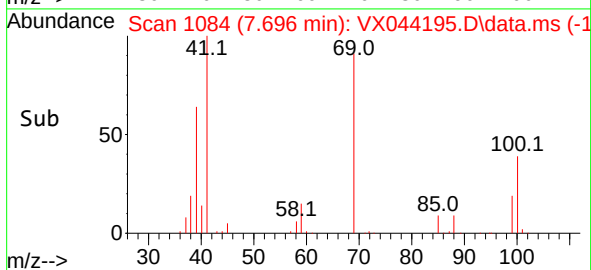
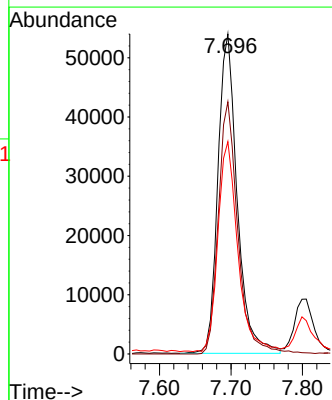
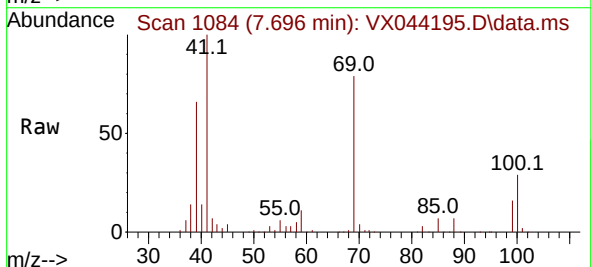
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

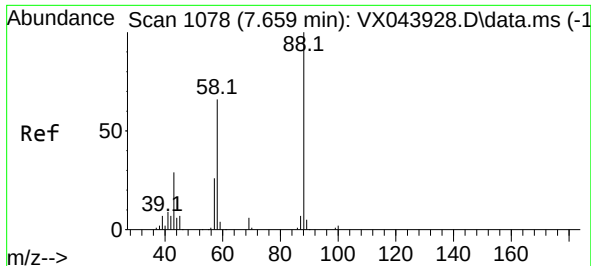
Tgt Ion: 83 Resp: 116358
Ion Ratio Lower Upper
83 100
85 60.6 51.4 77.0
127 7.8 6.6 10.0



#48
Methyl methacrylate
Concen: 50.698 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 41 Resp: 100896
Ion Ratio Lower Upper
41 100
69 80.0 64.6 97.0
39 67.5 53.3 79.9





#49

1,4-Dioxane

Concen: 839.512 ug/l

RT: 7.665 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

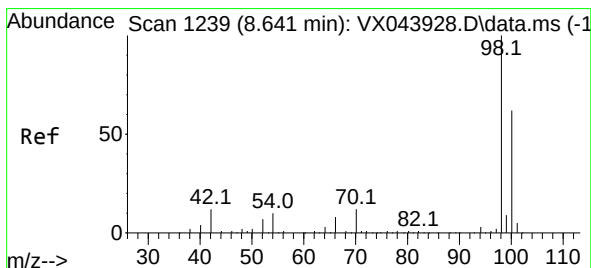
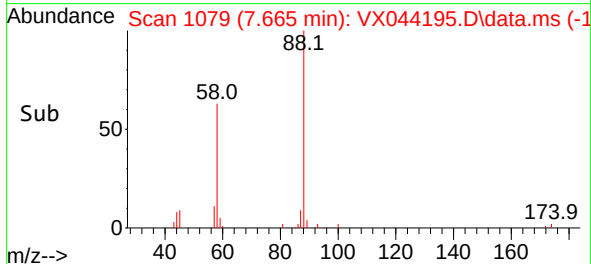
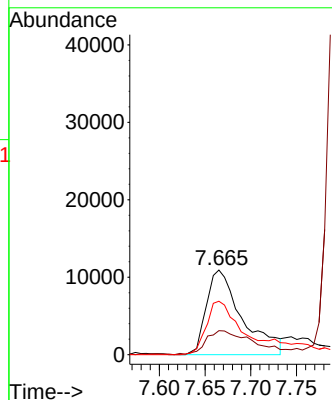
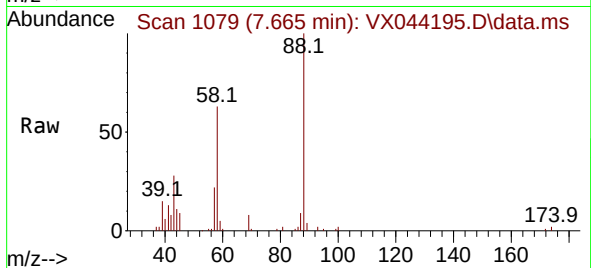
Tgt Ion: 88 Resp: 29761

Ion Ratio Lower Upper

88 100

43 38.1 26.8 40.2

58 76.2 45.4 68.2#



#50

Toluene-d8

Concen: 44.830 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044195.D

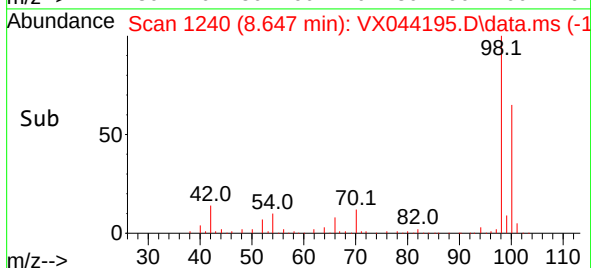
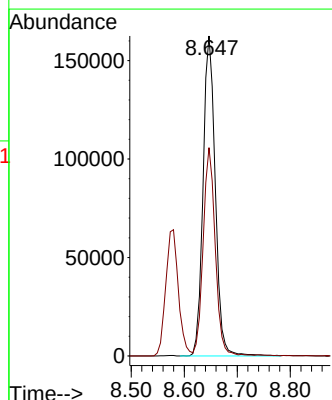
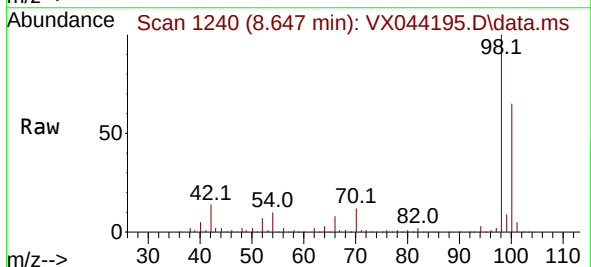
Acq: 09 Dec 2024 18:00

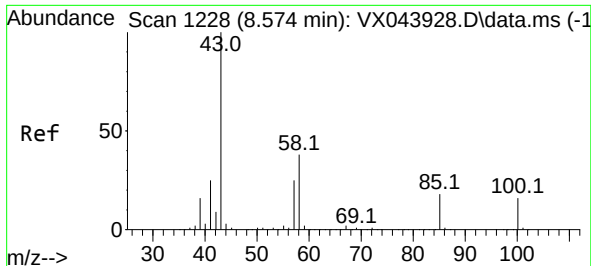
Tgt Ion: 98 Resp: 260361

Ion Ratio Lower Upper

98 100

100 63.7 52.6 79.0

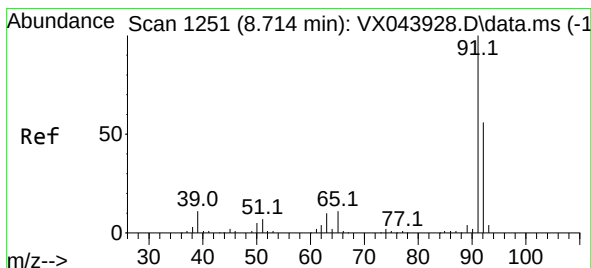
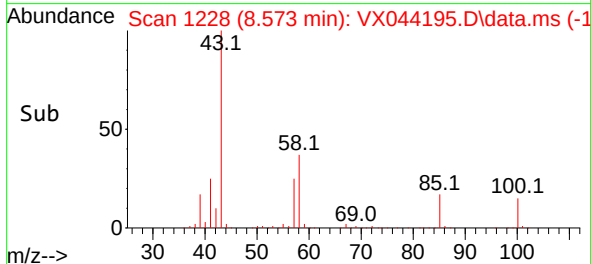
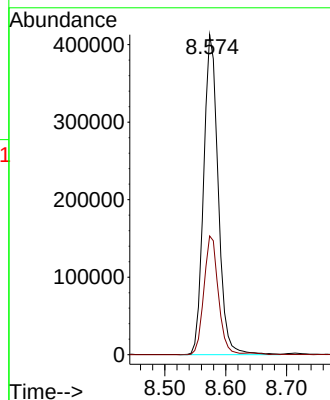
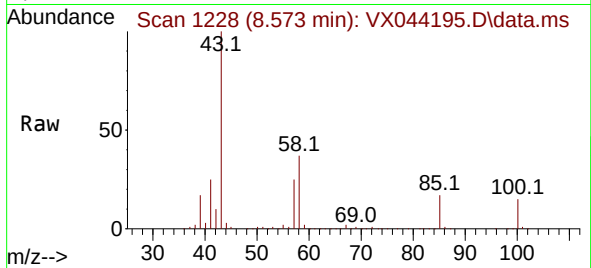




#51
4-Methyl-2-Pentanone
Concen: 270.971 ug/l
RT: 8.573 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

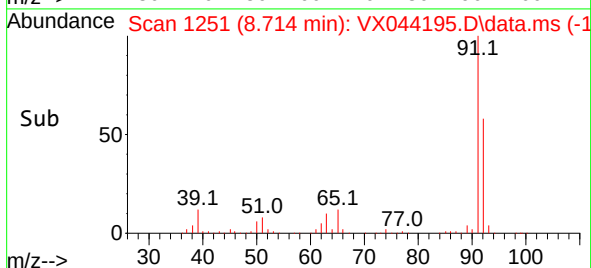
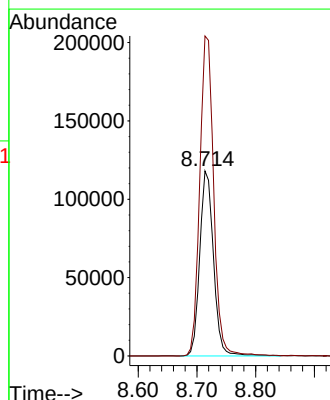
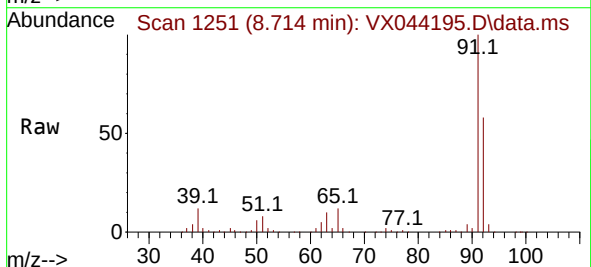
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

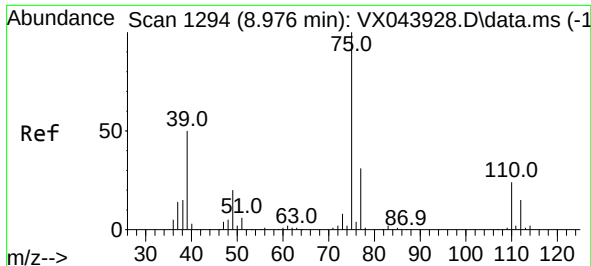
Tgt Ion: 43 Resp: 685832
Ion Ratio Lower Upper
43 100
58 36.8 30.0 45.0



#52
Toluene
Concen: 49.168 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 92 Resp: 192454
Ion Ratio Lower Upper
92 100
91 175.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 50.850 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

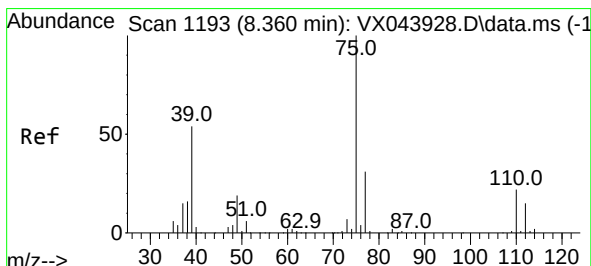
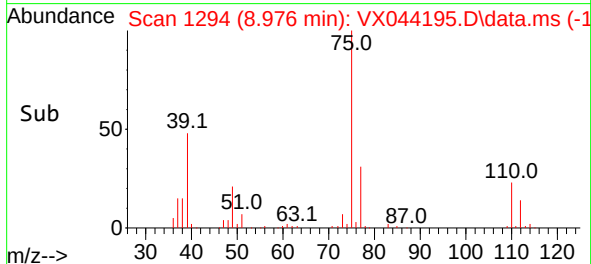
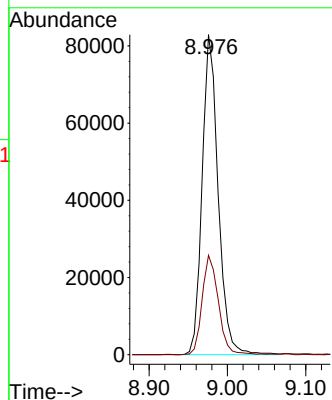
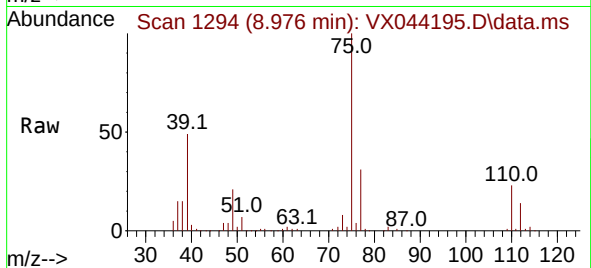
VSTDCCC050EC

Tgt Ion: 75 Resp: 117834

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 48.710 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

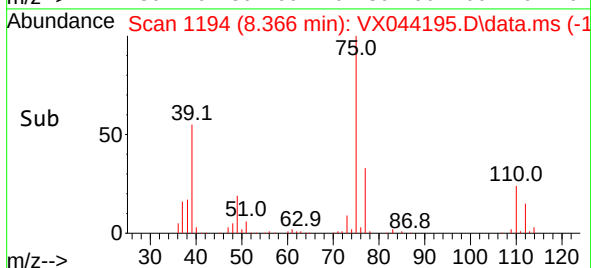
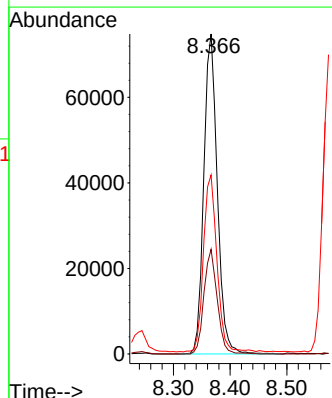
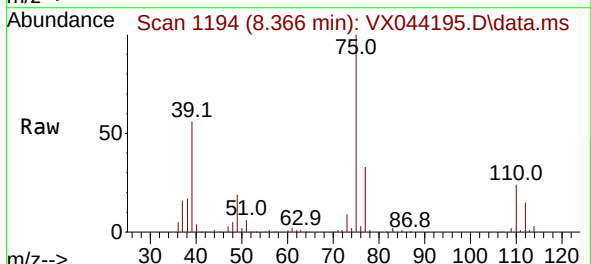
Tgt Ion: 75 Resp: 123739

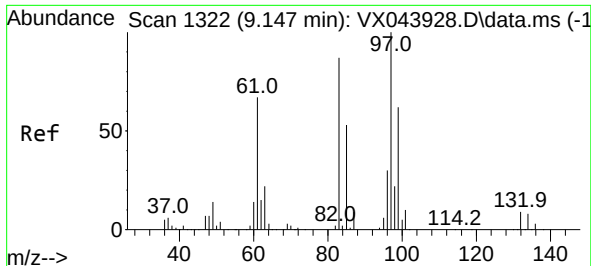
Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

39 55.2 43.1 64.7

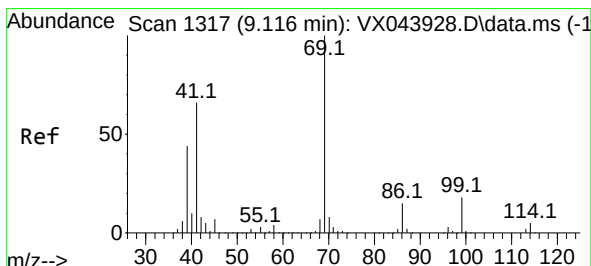
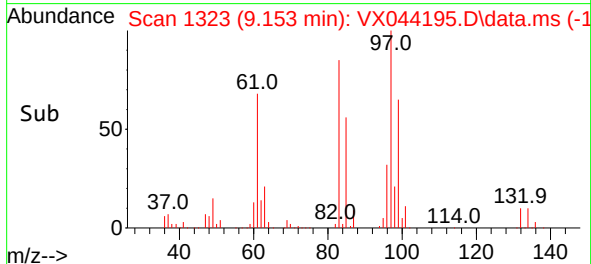
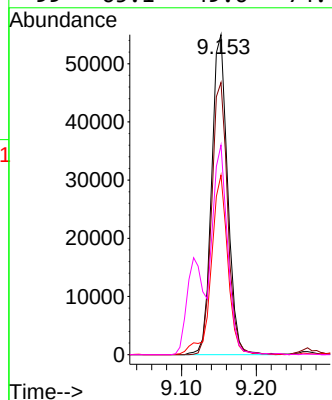
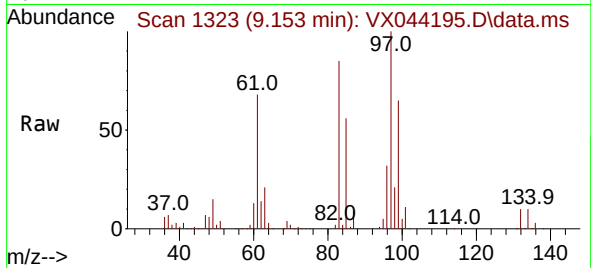




#55
1,1,2-Trichloroethane
Concen: 50.724 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

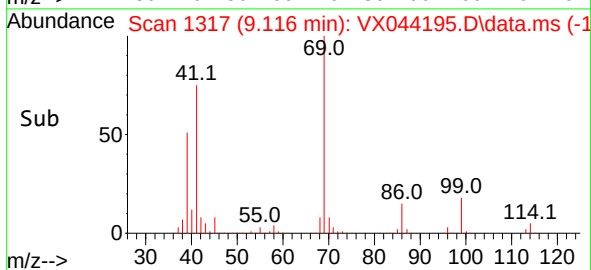
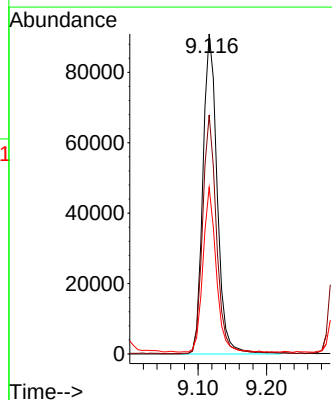
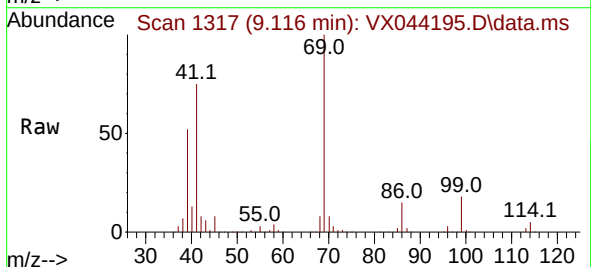
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

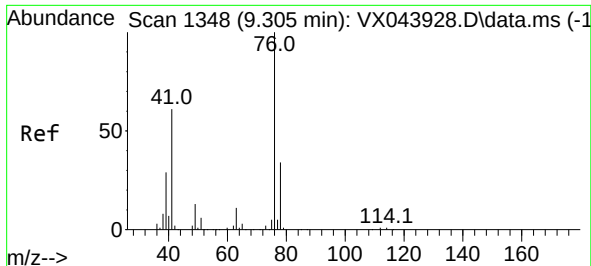
Tgt Ion:	97	Resp:	81959
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.4	104.0
85	56.0	42.3	63.5
99	65.1	49.6	74.4



#56
Ethyl methacrylate
Concen: 52.529 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:	69	Resp:	132200
Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.8	83.8
39	47.8	36.7	55.1





#57

1,3-Dichloropropane

Concen: 50.900 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

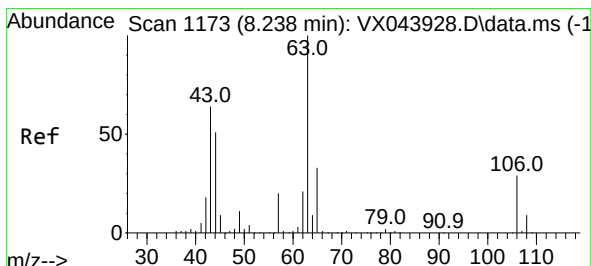
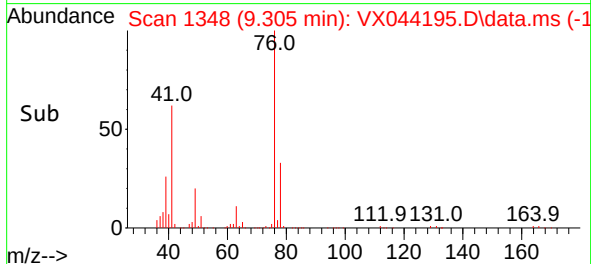
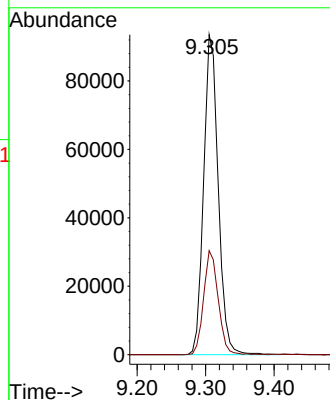
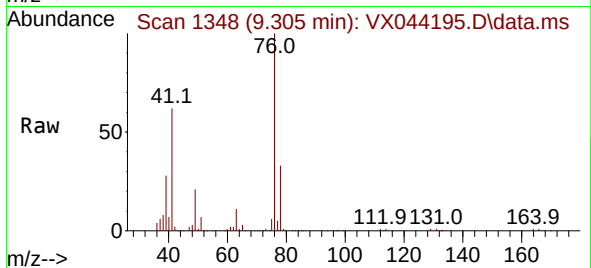
VSTDCCC050EC

Tgt Ion: 76 Resp: 138542

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 238.340 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044195.D

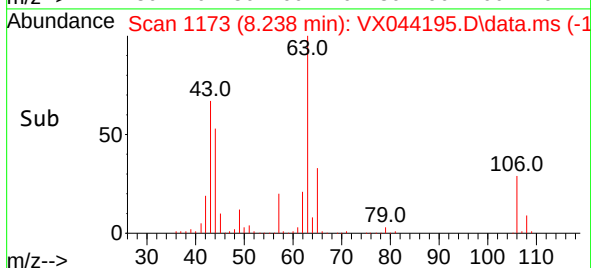
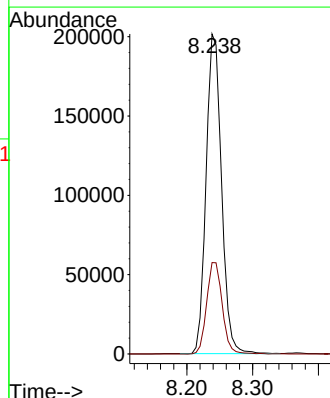
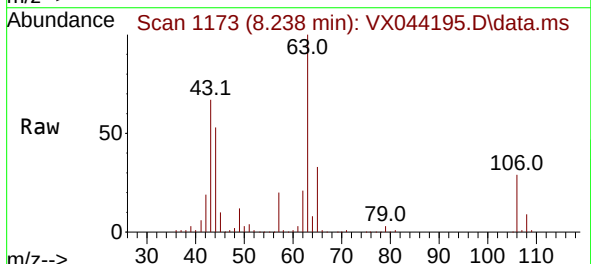
Acq: 09 Dec 2024 18:00

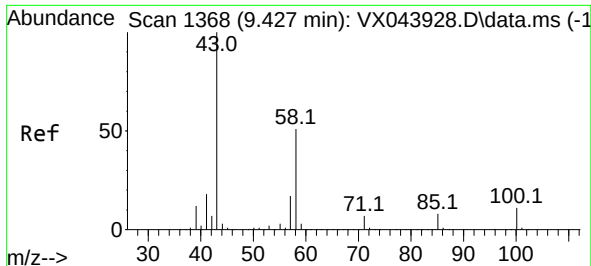
Tgt Ion: 63 Resp: 328935

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6

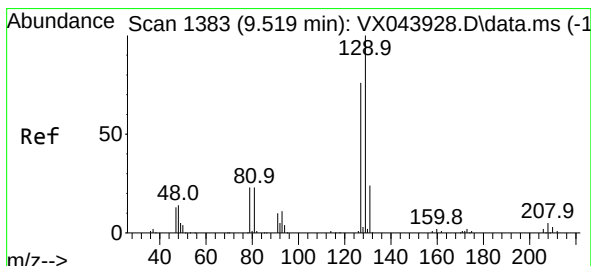
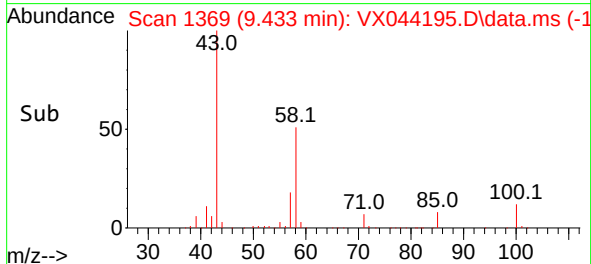
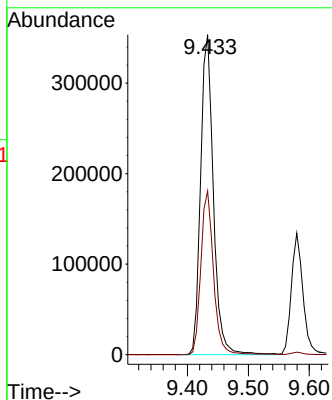
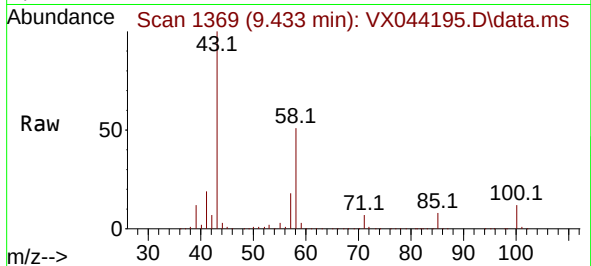




#59
2-Hexanone
Concen: 270.331 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

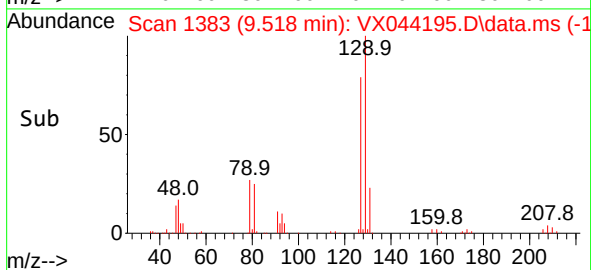
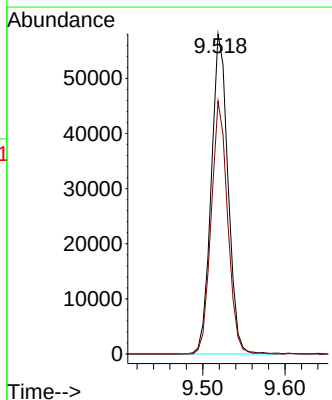
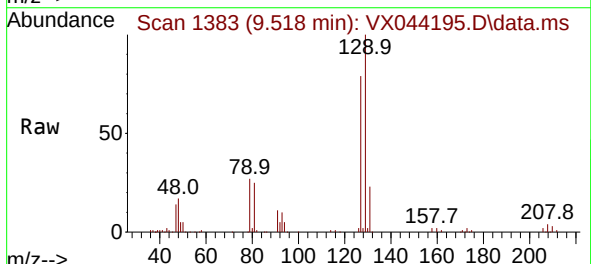
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

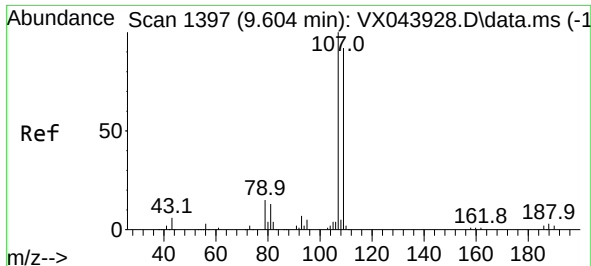
Tgt Ion: 43 Resp: 514271
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.6



#60
Dibromochloromethane
Concen: 50.698 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 129 Resp: 82189
Ion Ratio Lower Upper
129 100
127 77.6 38.2 114.6

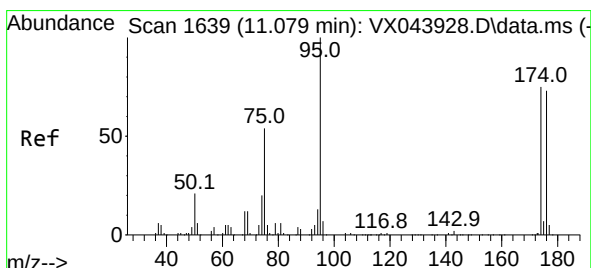
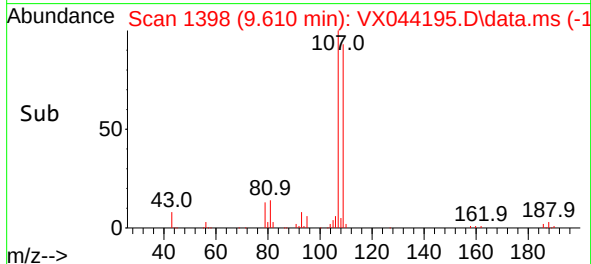
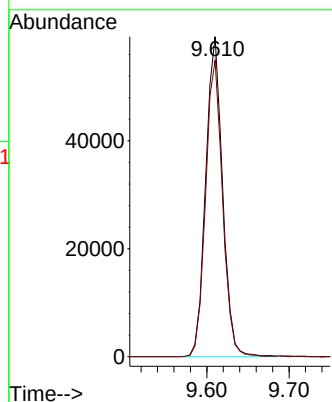
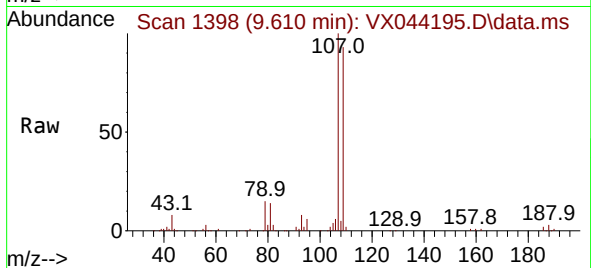




#61
1,2-Dibromoethane
Concen: 51.728 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

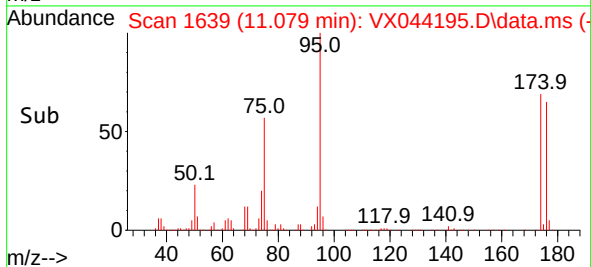
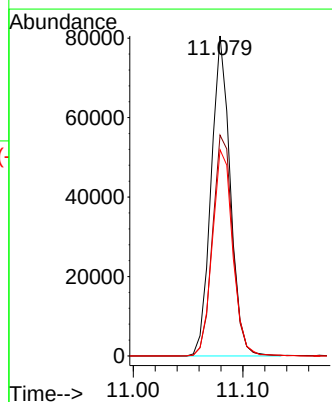
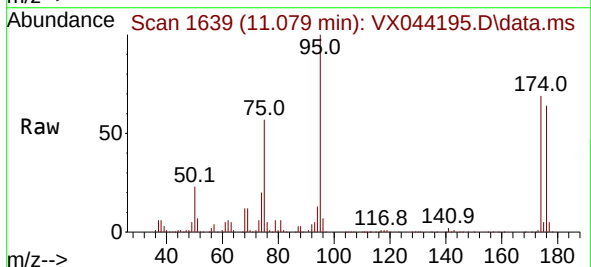
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

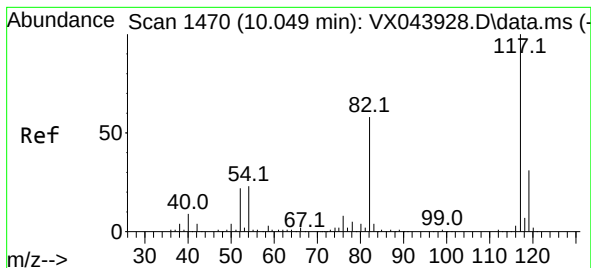
Tgt Ion:107 Resp: 84512
Ion Ratio Lower Upper
107 100
109 92.9 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 95 Resp: 97692
Ion Ratio Lower Upper
95 100
174 72.6 0.0 150.4
176 68.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

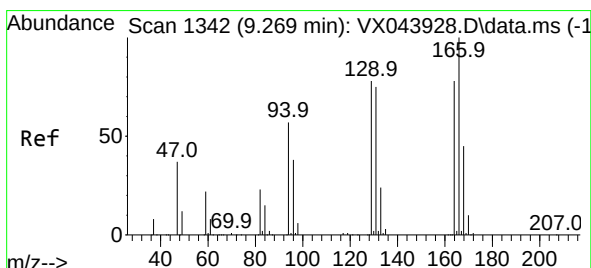
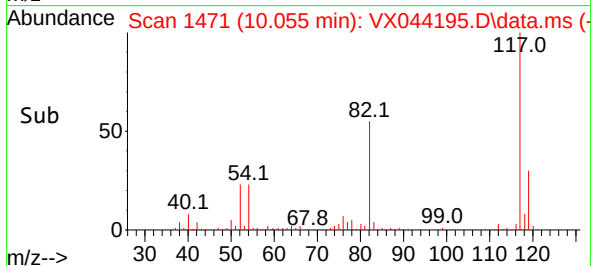
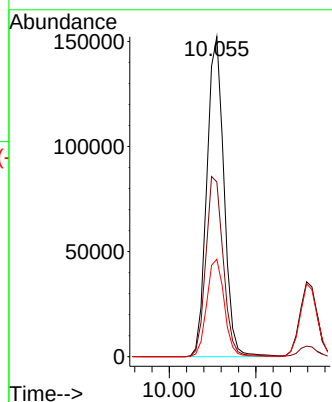
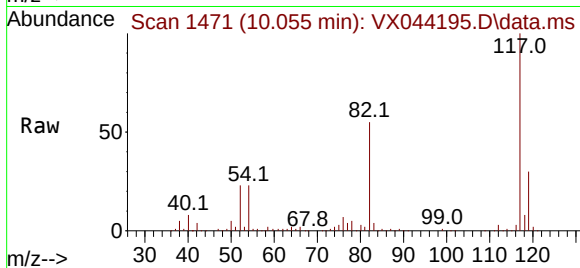
Tgt Ion:117 Resp: 208853

Ion Ratio Lower Upper

117 100

82 54.6 46.4 69.6

119 30.5 24.6 37.0



#64

Tetrachloroethene

Concen: 46.478 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Tgt Ion:164 Resp: 64007

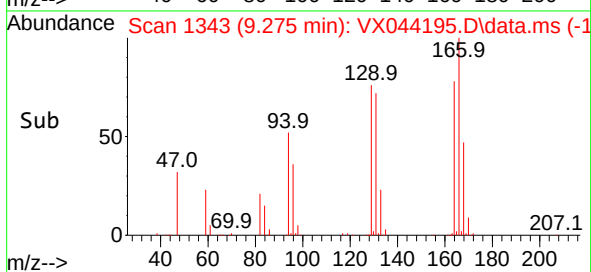
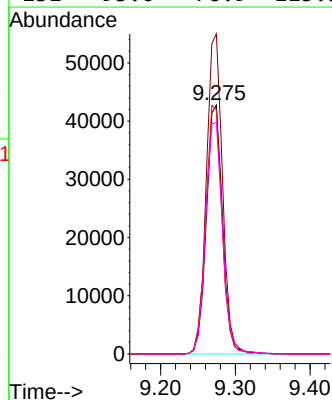
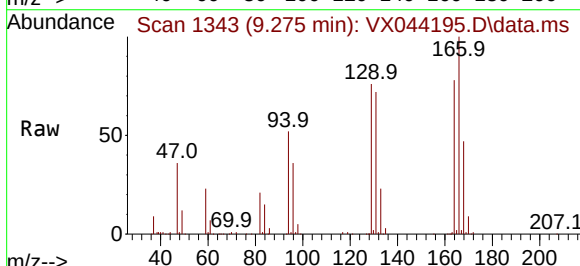
Ion Ratio Lower Upper

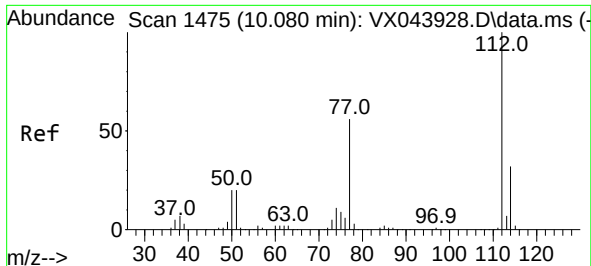
164 100

166 128.6 102.1 153.1

129 98.2 79.6 119.4

131 93.0 76.9 115.3

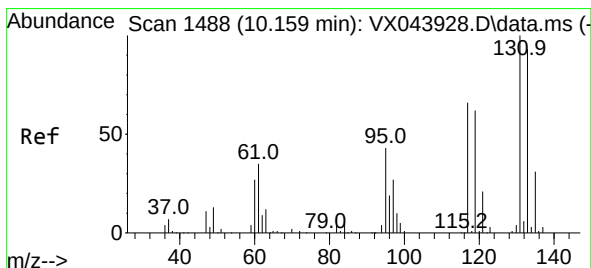
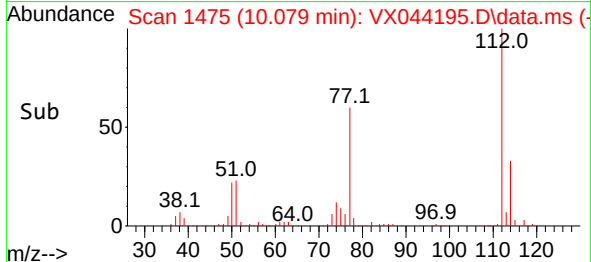
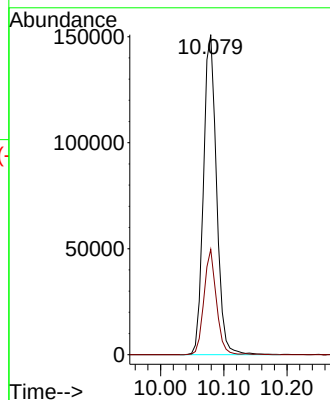
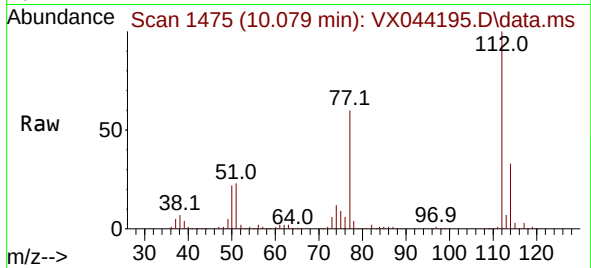




#65
Chlorobenzene
Concen: 47.426 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

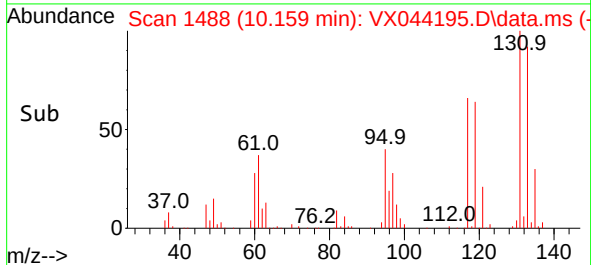
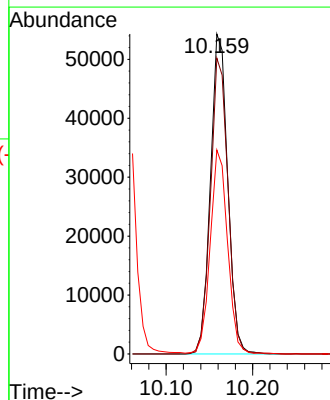
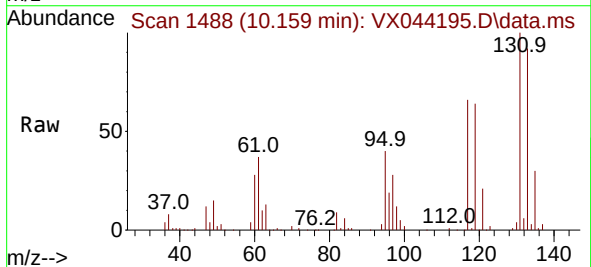
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

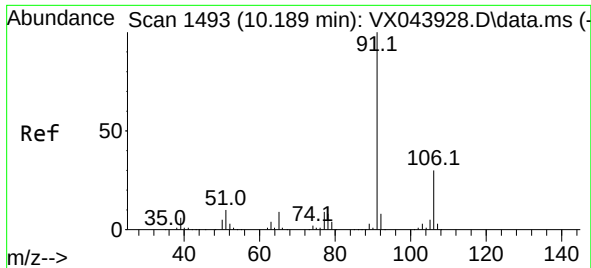
Tgt Ion:112 Resp: 217542
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.596 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:131 Resp: 75268
Ion Ratio Lower Upper
131 100
133 93.8 48.2 144.6
119 64.1 31.5 94.5

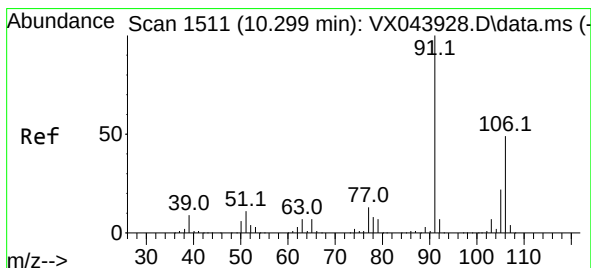
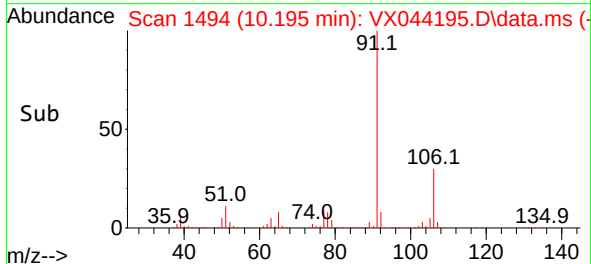
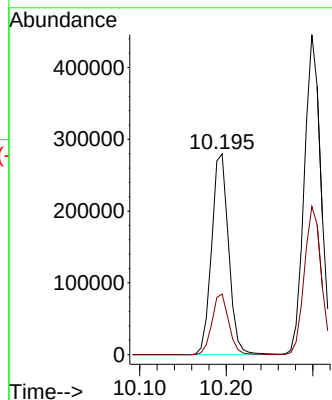
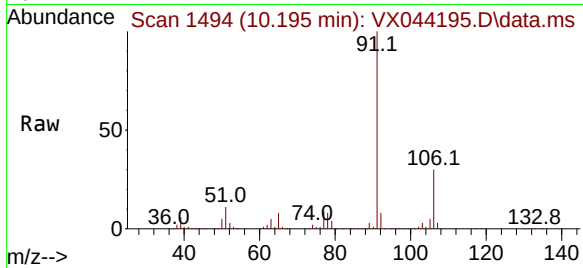




#67
Ethyl Benzene
Concen: 49.105 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

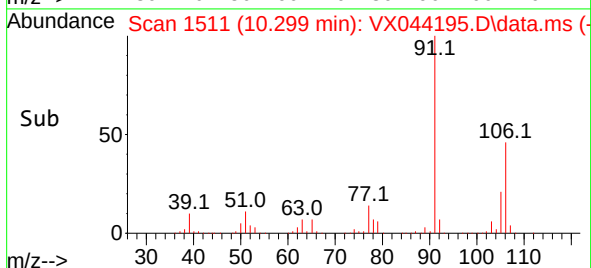
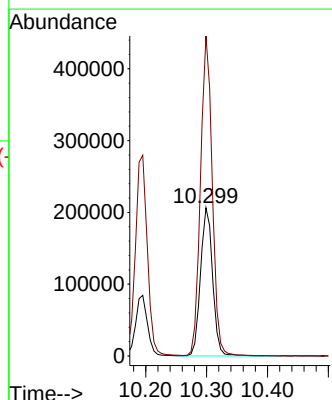
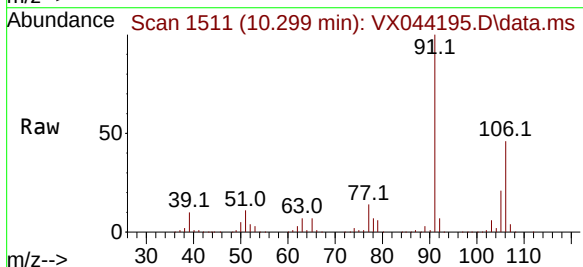
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

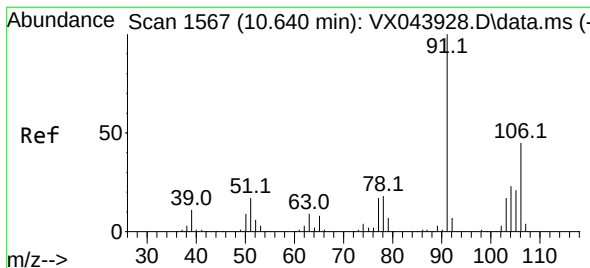
Tgt Ion: 91 Resp: 381676
Ion Ratio Lower Upper
91 100
106 30.2 23.6 35.4



#68
m/p-Xylenes
Concen: 97.773 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 106 Resp: 283405
Ion Ratio Lower Upper
106 100
91 210.2 168.1 252.1

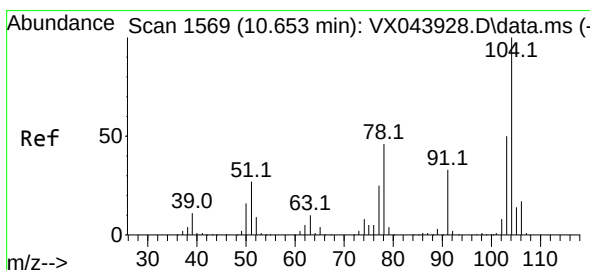
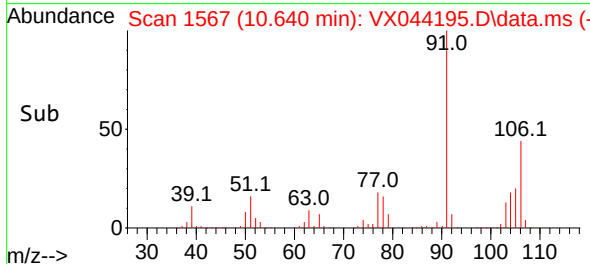
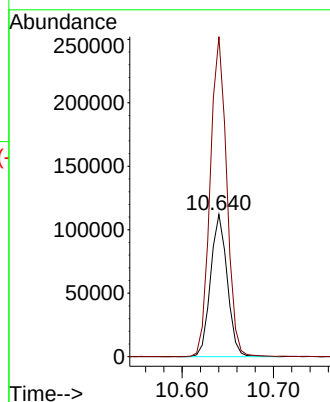
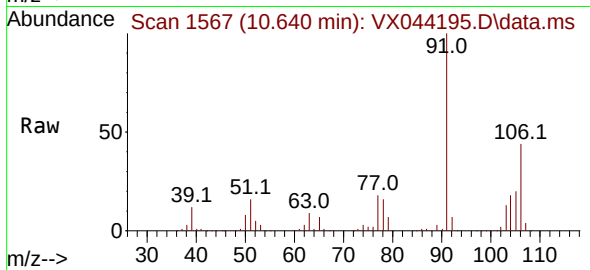




#69
o-Xylene
Concen: 50.284 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

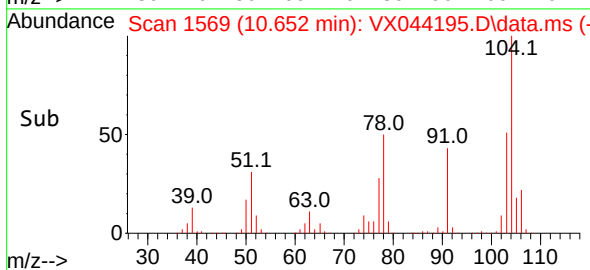
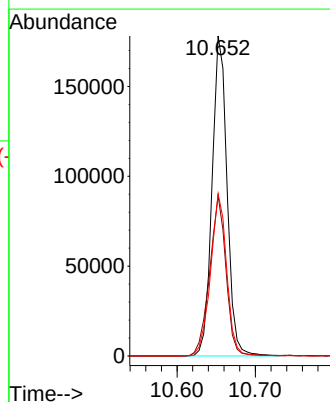
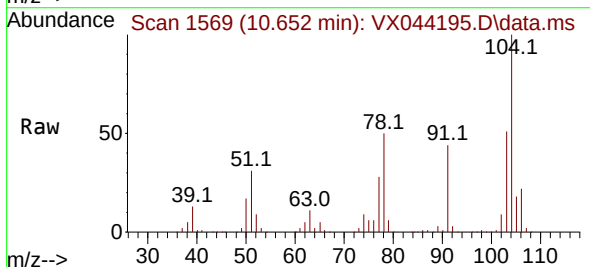
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

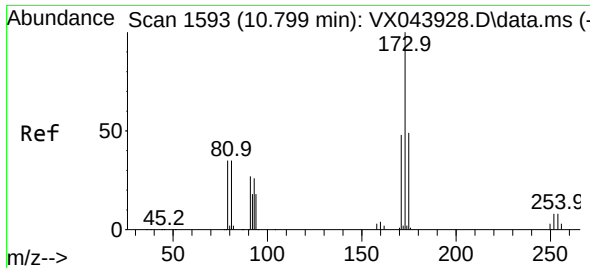
Tgt Ion:106 Resp: 142308
Ion Ratio Lower Upper
106 100
91 223.1 110.2 330.6



#70
Styrene
Concen: 50.577 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:104 Resp: 236741
Ion Ratio Lower Upper
104 100
78 54.7 42.2 63.2
103 54.7 44.7 67.1

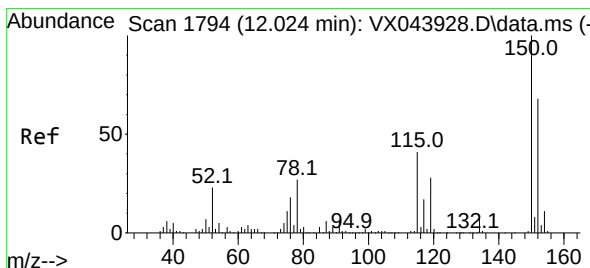
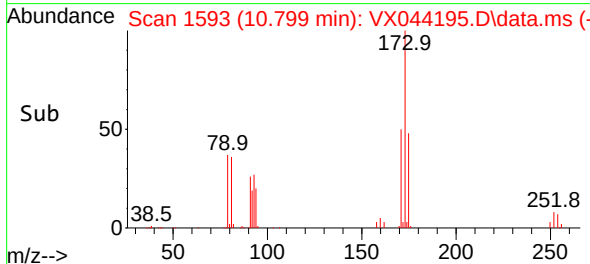
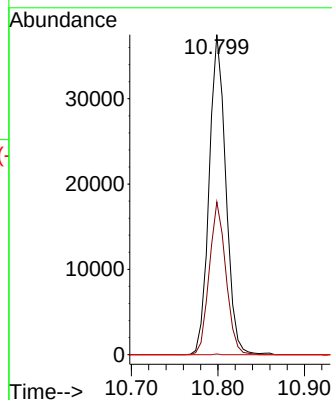
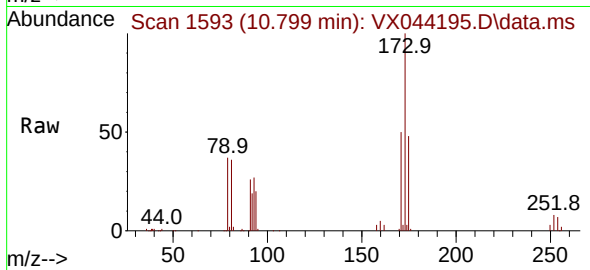




#71
Bromoform
Concen: 44.729 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

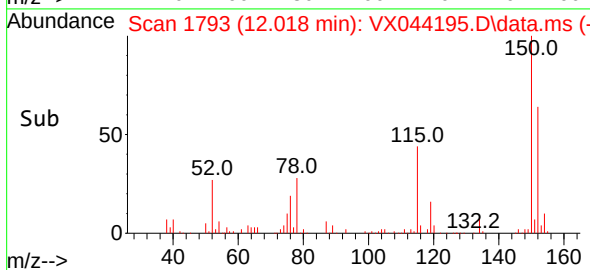
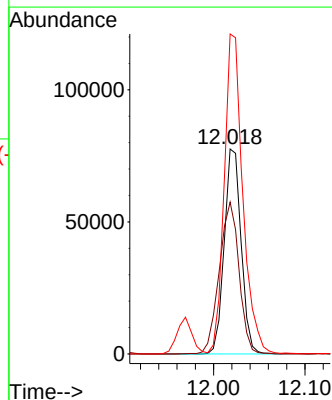
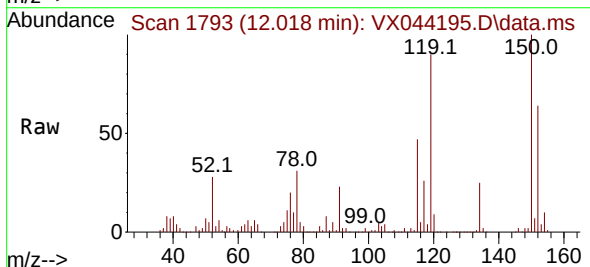
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

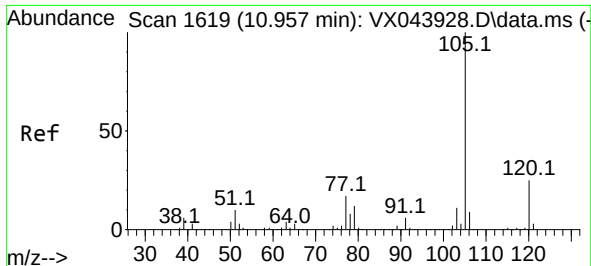
Tgt Ion:173 Resp: 50122
Ion Ratio Lower Upper
173 100
175 47.5 24.1 72.2
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:152 Resp: 99726
Ion Ratio Lower Upper
152 100
115 86.9 45.4 136.2
150 171.8 0.0 353.0

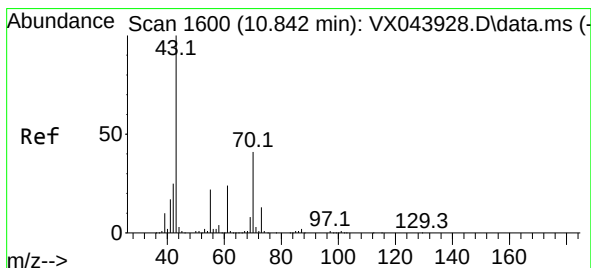
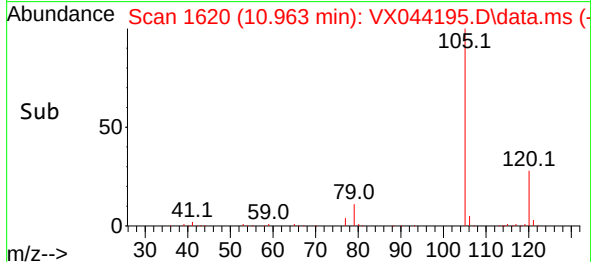
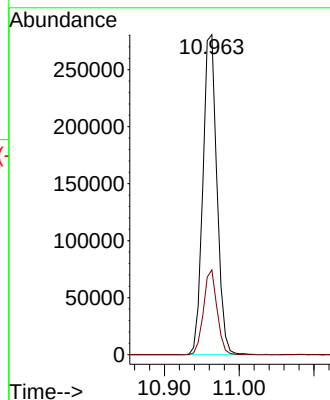
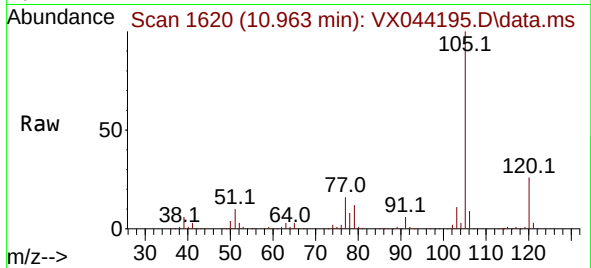




#73
Isopropylbenzene
Concen: 47.738 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

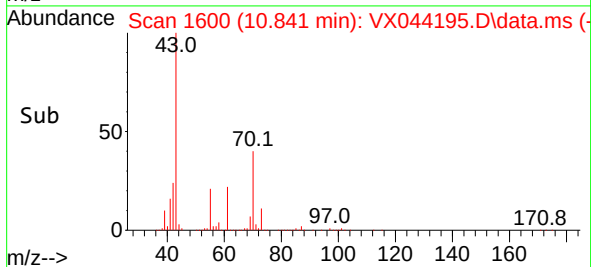
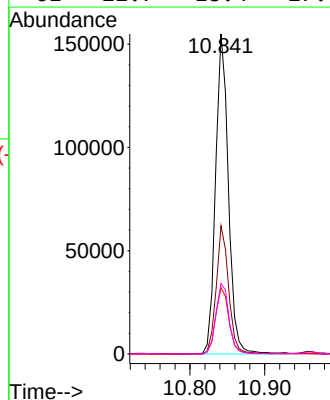
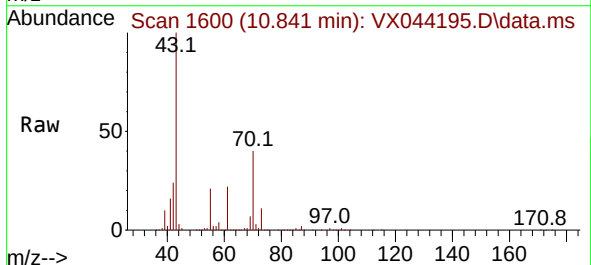
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

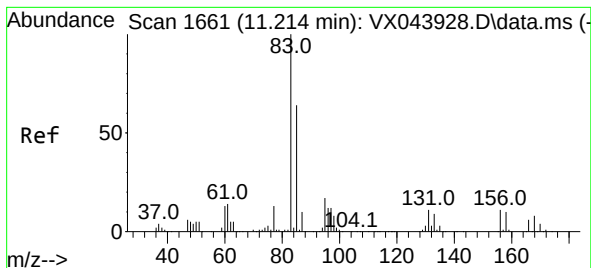
Tgt Ion:105 Resp: 365951
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9



#74
N-ethyl acetate
Concen: 52.058 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 43 Resp: 184869
Ion Ratio Lower Upper
43 100
70 38.8 32.2 48.2
55 21.8 18.1 27.1
61 22.7 18.4 27.6

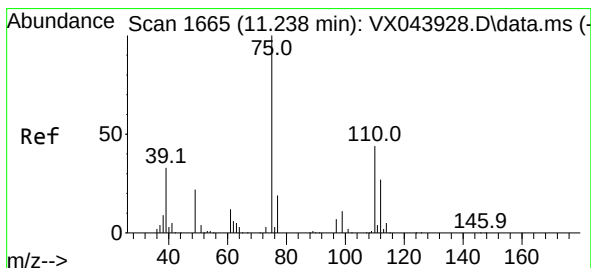
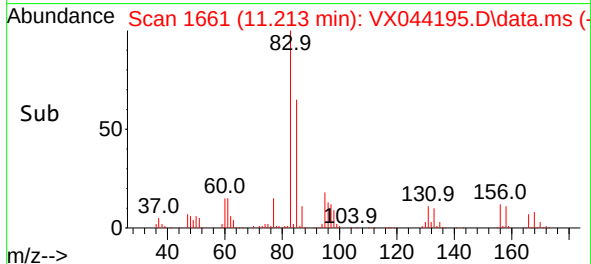
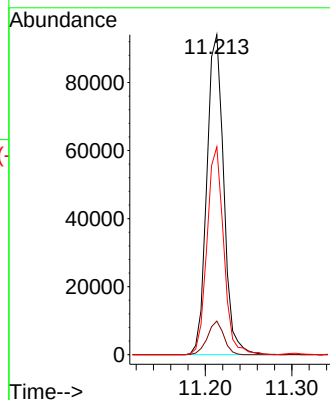
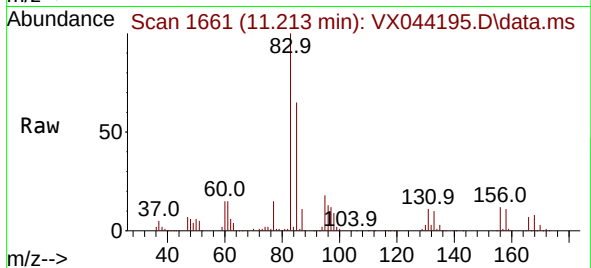




#75
1,1,2,2-Tetrachloroethane
Concen: 48.557 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

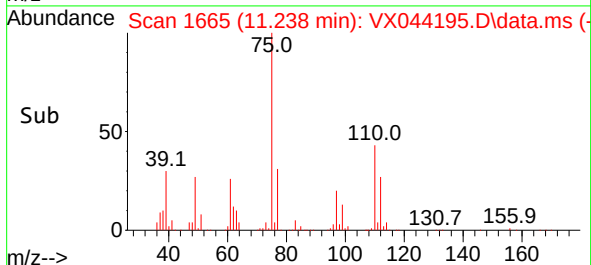
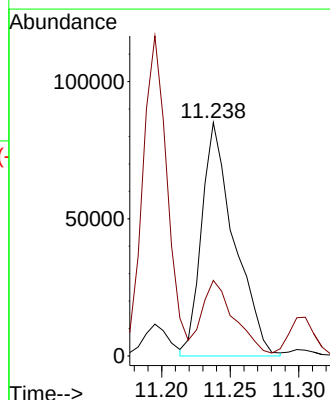
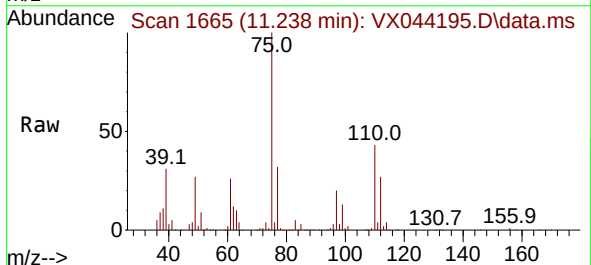
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

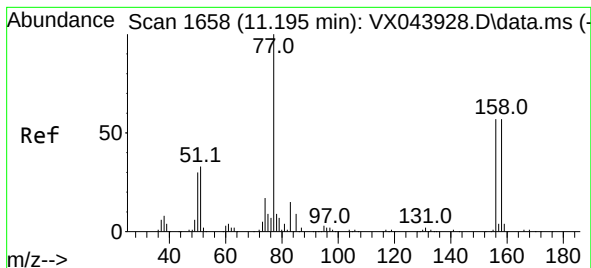
Tgt Ion: 83 Resp: 127456
Ion Ratio Lower Upper
83 100
131 10.1 5.1 15.2
85 64.3 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 64.507 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 141075
Ion Ratio Lower Upper
75 100
77 32.4 21.8 65.3





#77

Bromobenzene

Concen: 47.832 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

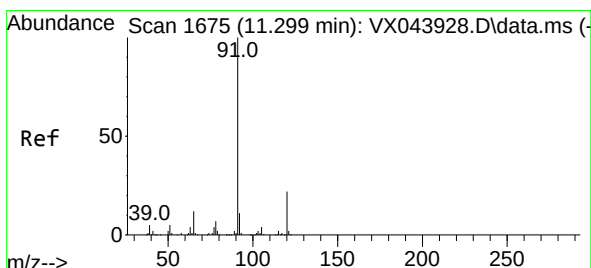
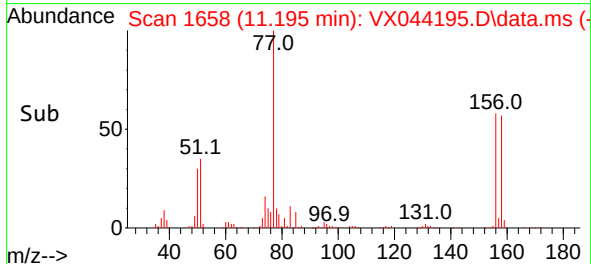
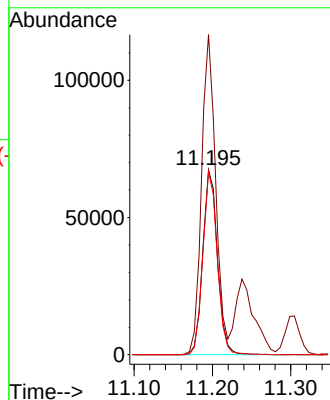
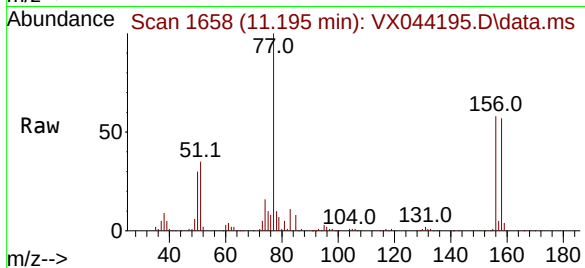
Tgt Ion:156 Resp: 87469

Ion Ratio Lower Upper

156 100

77 166.6 83.4 250.1

158 97.2 47.6 142.8



#78

n-propylbenzene

Concen: 48.877 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044195.D

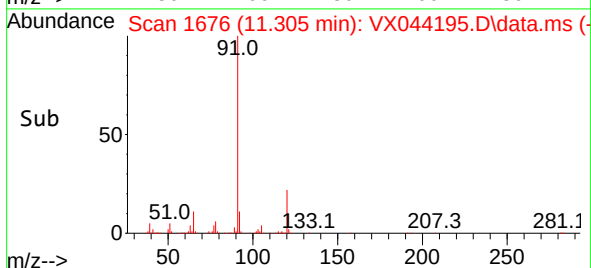
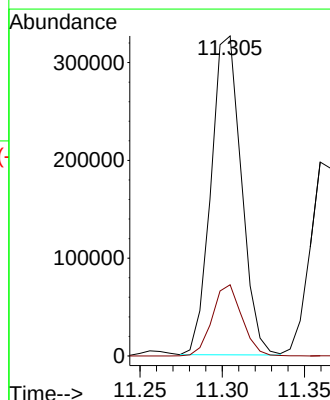
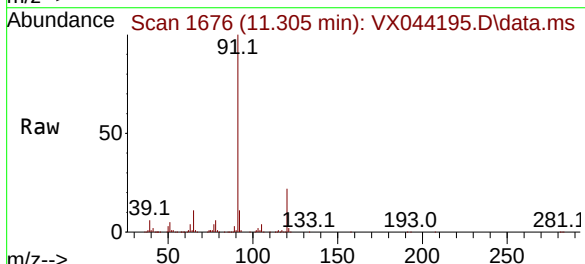
Acq: 09 Dec 2024 18:00

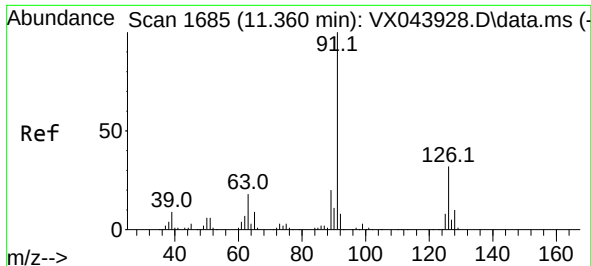
Tgt Ion: 91 Resp: 418467

Ion Ratio Lower Upper

91 100

120 21.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 47.354 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

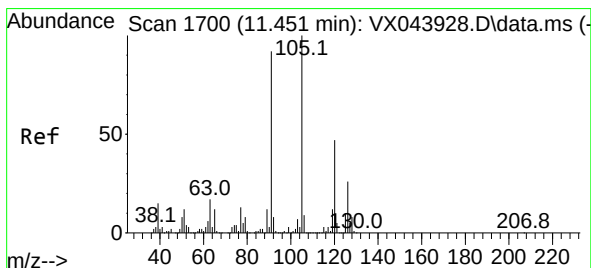
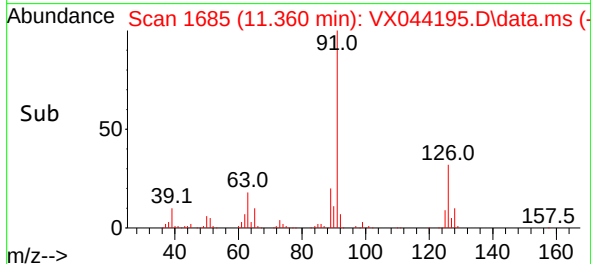
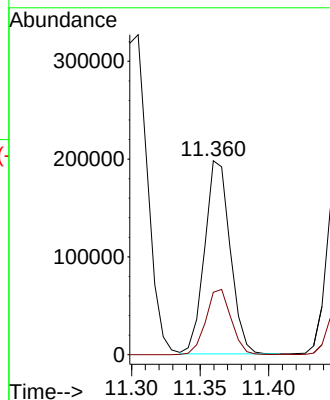
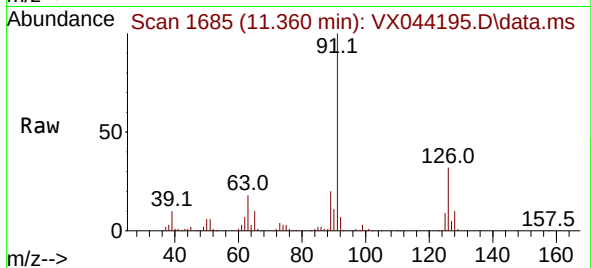
VSTDCCC050EC

Tgt Ion: 91 Resp: 256367

Ion Ratio Lower Upper

91 100

126 33.6 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 49.438 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044195.D

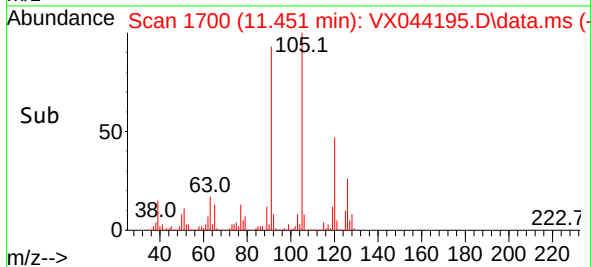
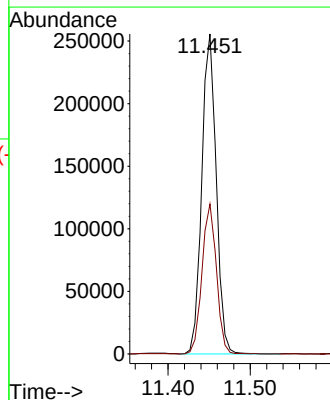
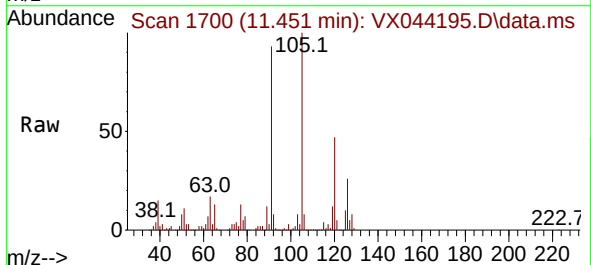
Acq: 09 Dec 2024 18:00

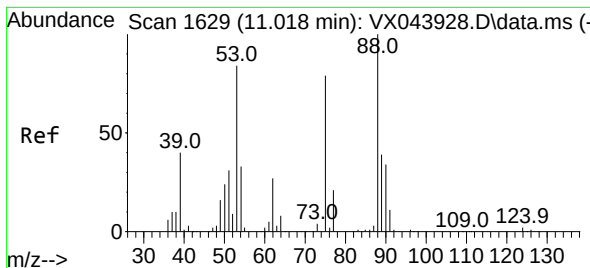
Tgt Ion:105 Resp: 311795

Ion Ratio Lower Upper

105 100

120 46.8 23.3 69.8

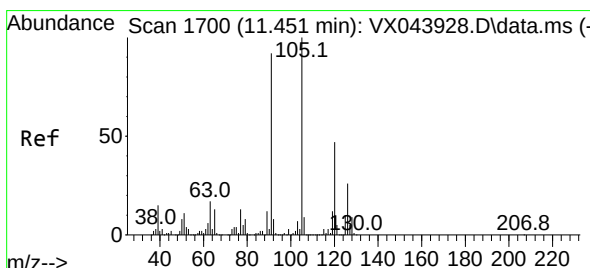
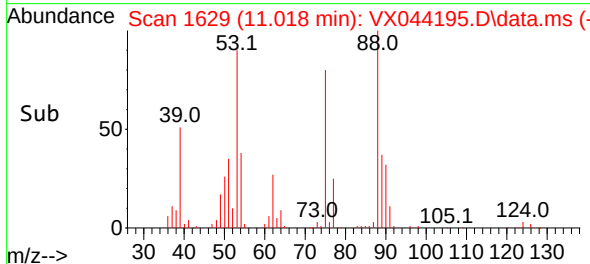
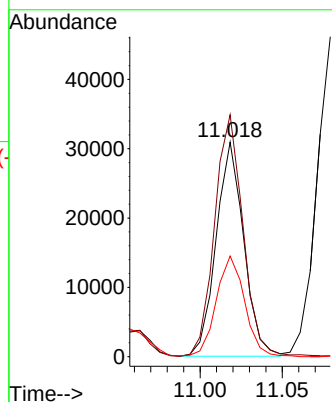
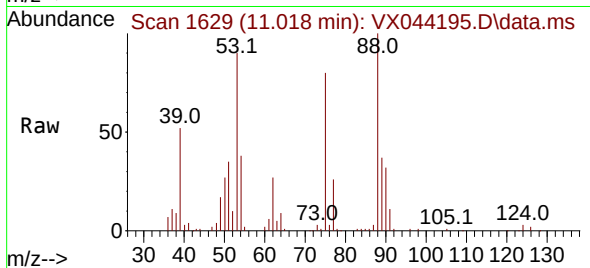




#81
trans-1,4-Dichloro-2-butene
Concen: 45.064 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

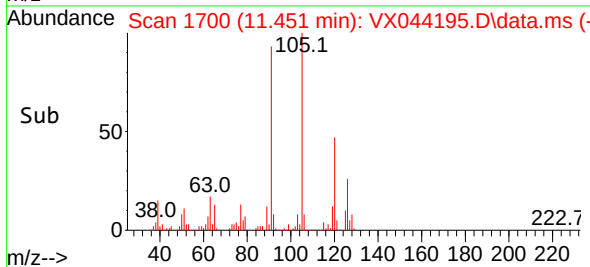
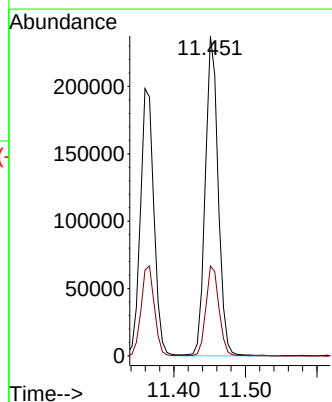
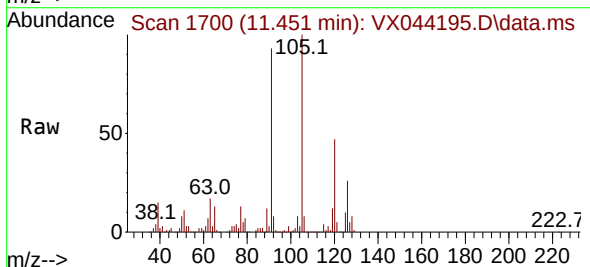
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

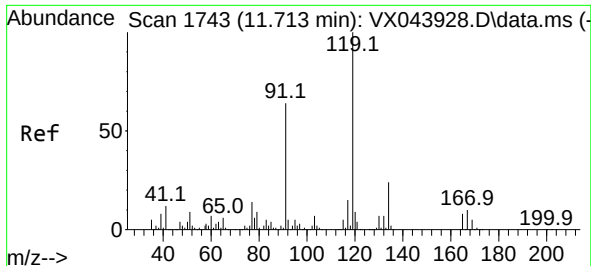
Tgt Ion:	75	Resp:	36117
Ion	Ratio	Lower	Upper
75	100		
53	116.4	86.7	130.1
89	48.4	38.2	57.2



#82
4-Chlorotoluene
Concen: 48.528 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:	91	Resp:	296611
Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9

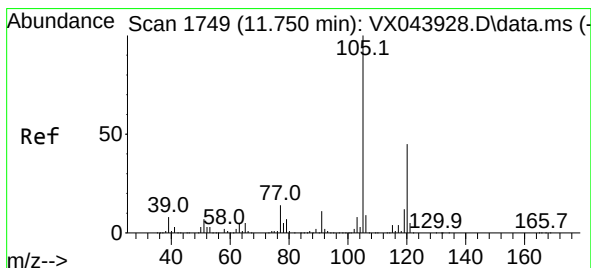
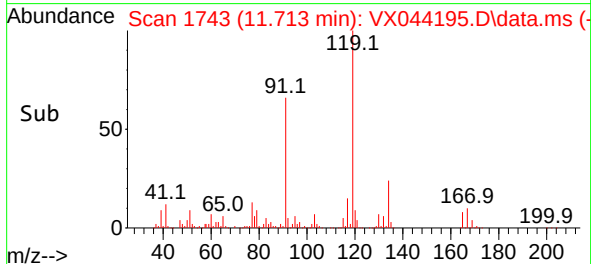
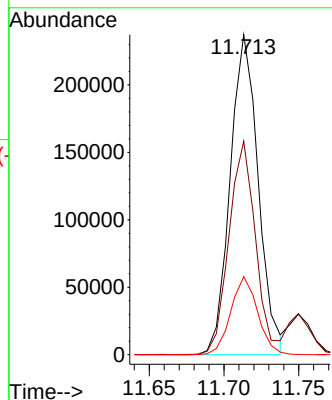
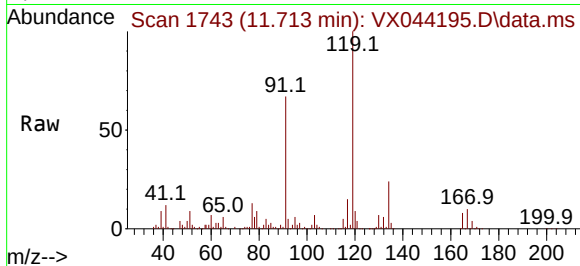




#83
tert-Butylbenzene
Concen: 49.553 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

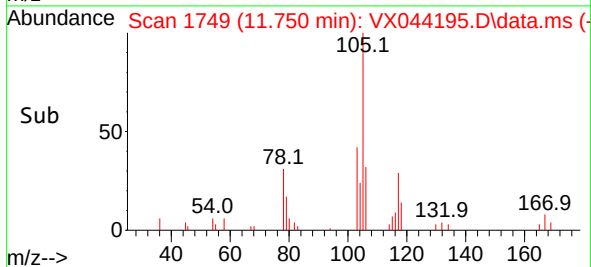
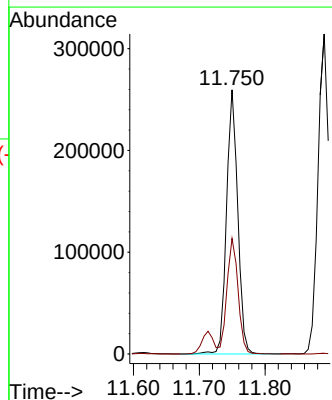
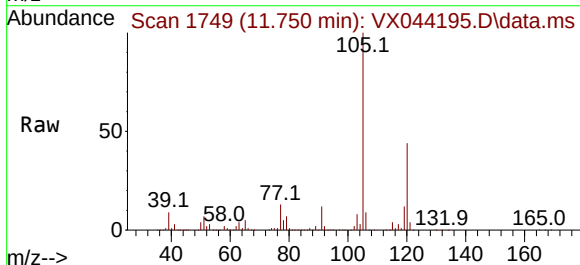
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

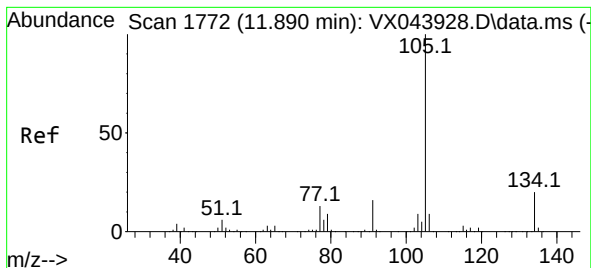
Tgt Ion:119 Resp: 309761
Ion Ratio Lower Upper
119 100
91 63.3 31.0 93.0
134 23.4 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 49.093 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:105 Resp: 308254
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.7

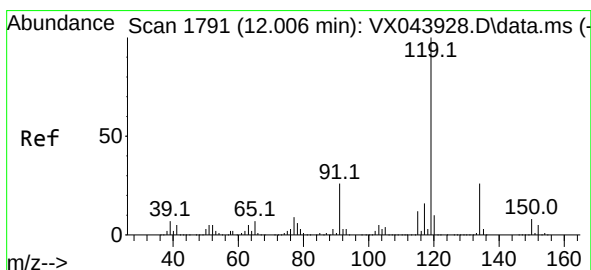
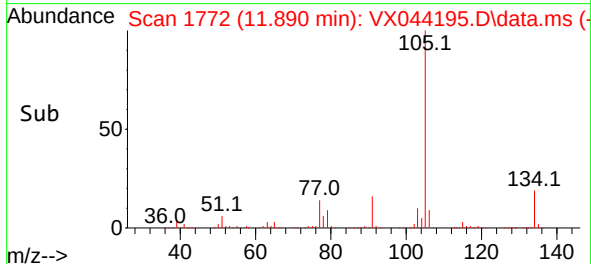
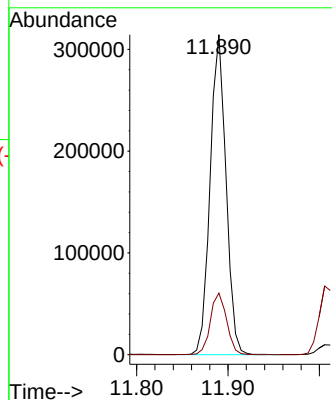
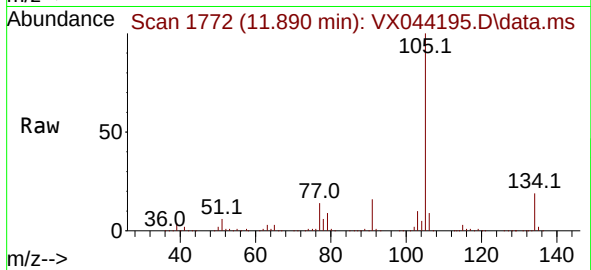




#85
sec-Butylbenzene
Concen: 49.420 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

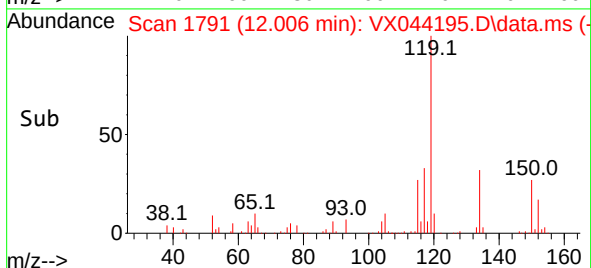
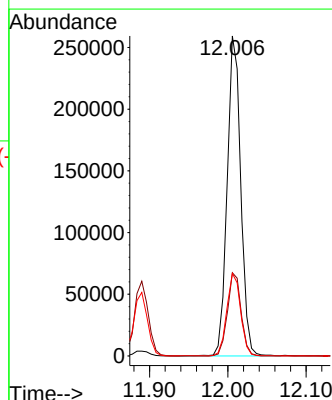
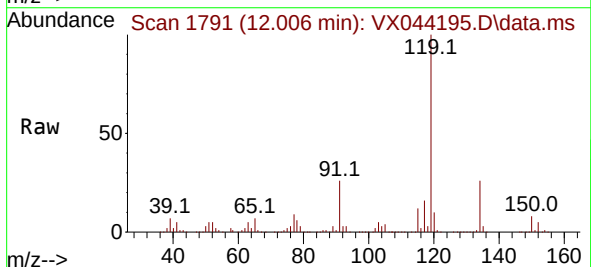
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

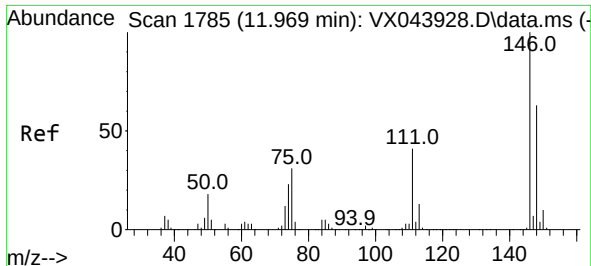
Tgt Ion:105 Resp: 378505
Ion Ratio Lower Upper
105 100
134 19.7 9.7 29.1



#86
p-Isopropyltoluene
Concen: 50.244 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:119 Resp: 312583
Ion Ratio Lower Upper
119 100
134 26.2 13.0 38.9
91 26.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.440 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

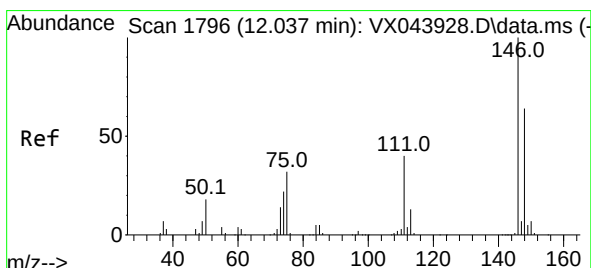
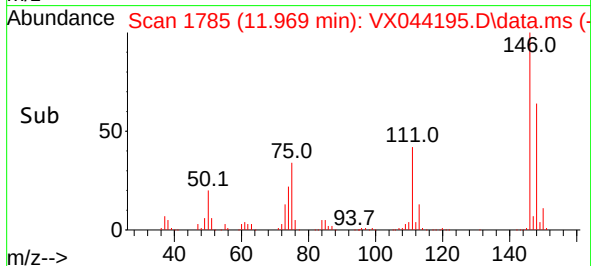
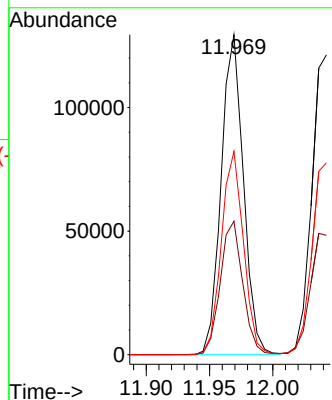
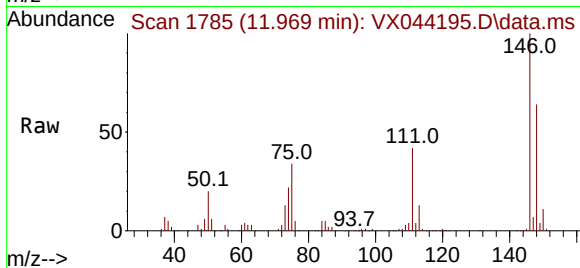
Tgt Ion:146 Resp: 158004

Ion Ratio Lower Upper

146 100

111 42.4 21.1 63.3

148 63.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 46.709 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

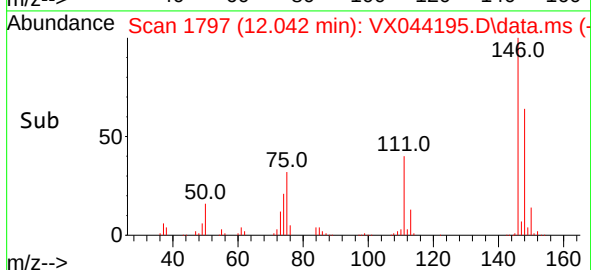
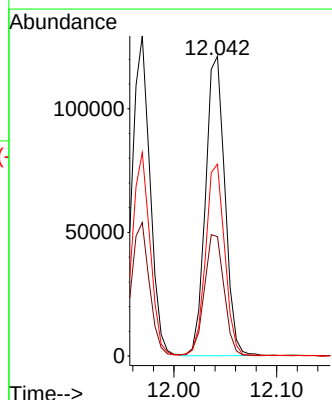
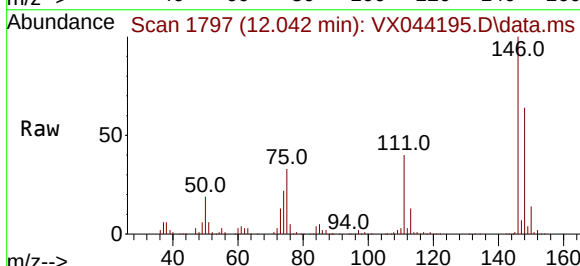
Tgt Ion:146 Resp: 158608

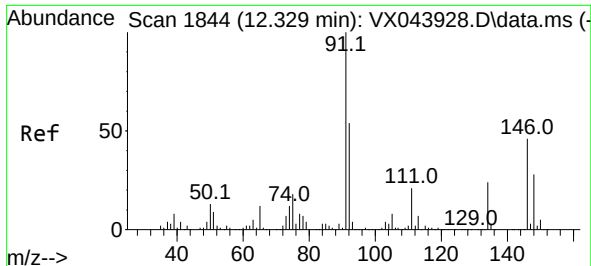
Ion Ratio Lower Upper

146 100

111 41.4 20.1 60.3

148 63.2 30.9 92.8





#89

n-Butylbenzene

Concen: 49.338 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044195.D

Acq: 09 Dec 2024 18:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

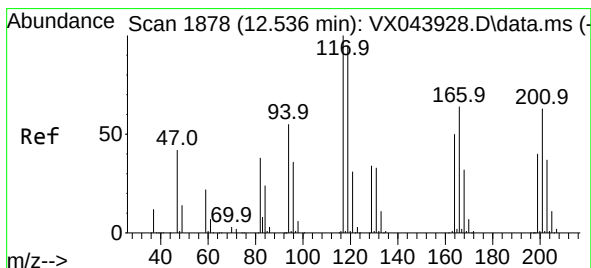
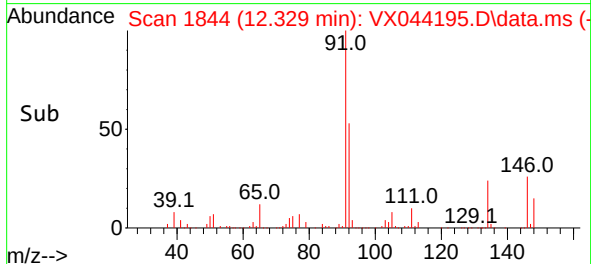
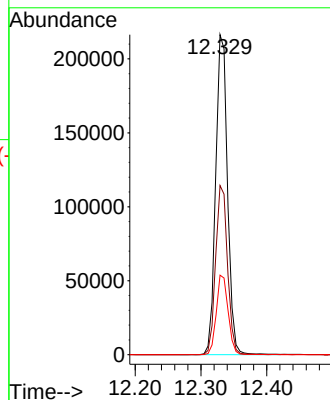
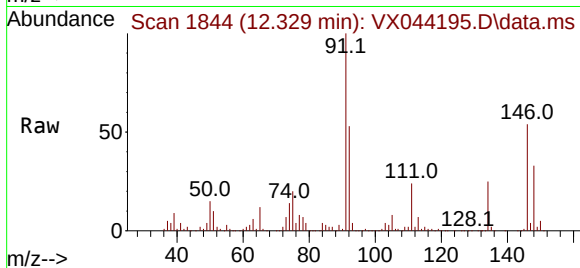
Tgt Ion: 91 Resp: 270623

Ion Ratio Lower Upper

91 100

92 53.3 26.6 79.8

134 24.8 12.4 37.2



#90

Hexachloroethane

Concen: 46.047 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044195.D

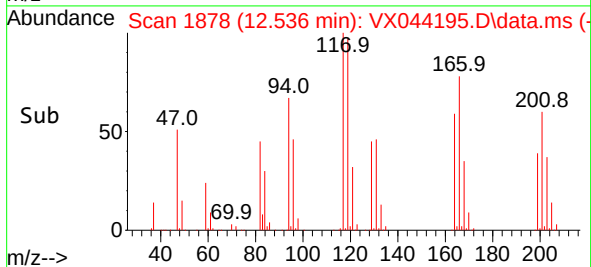
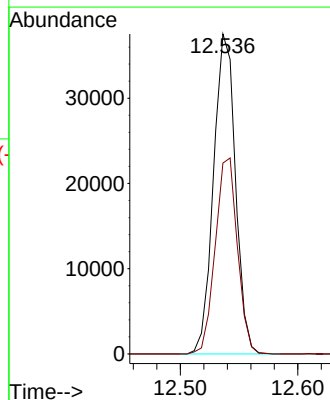
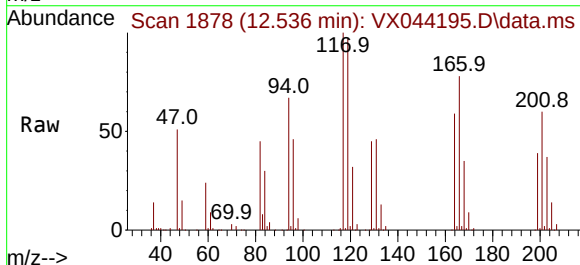
Acq: 09 Dec 2024 18:00

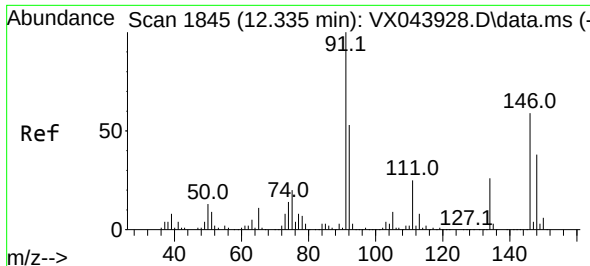
Tgt Ion: 117 Resp: 48712

Ion Ratio Lower Upper

117 100

201 62.0 32.4 97.0

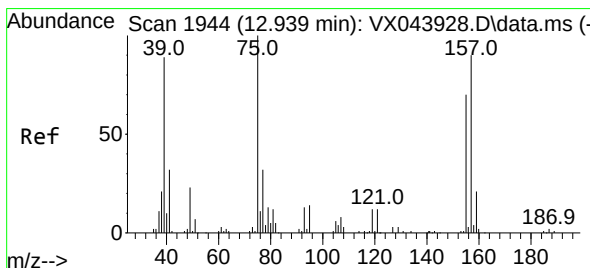
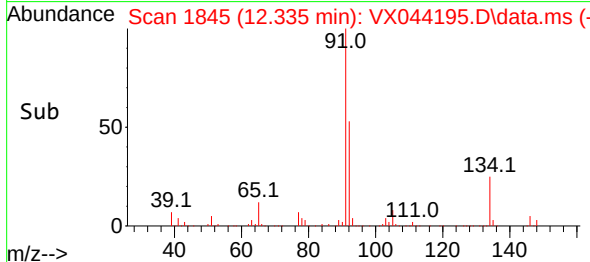
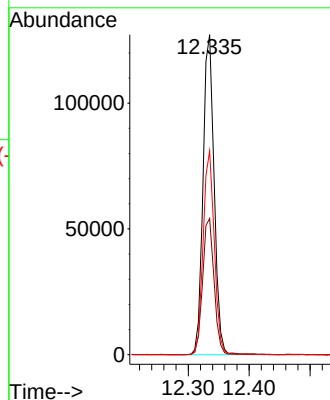
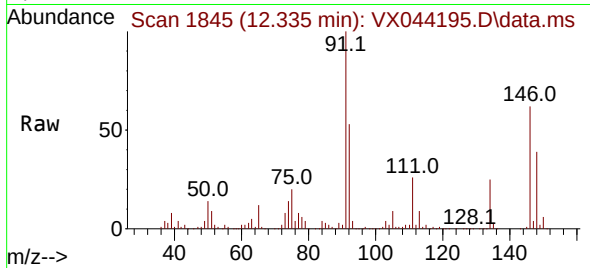




#91
1,2-Dichlorobenzene
Concen: 47.962 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

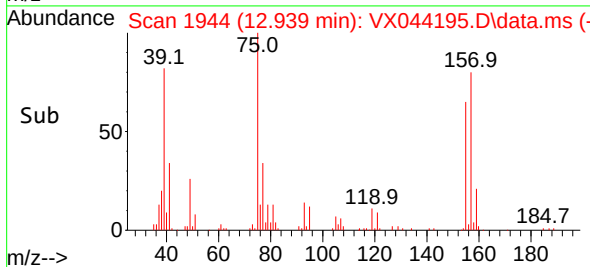
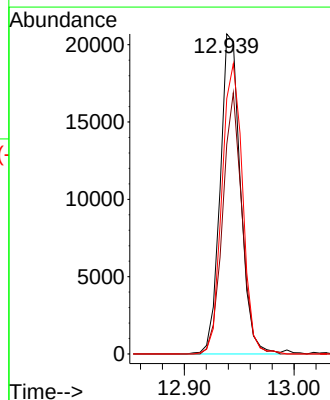
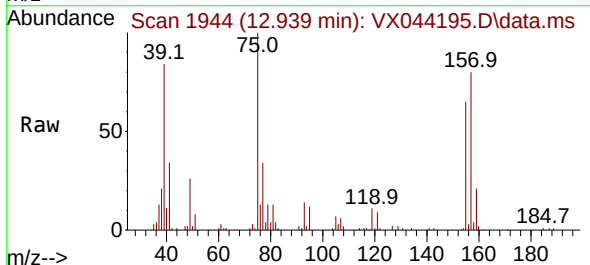
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

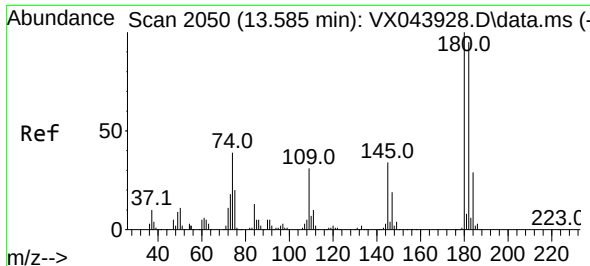
Tgt Ion:146 Resp: 161209
Ion Ratio Lower Upper
146 100
111 44.0 21.5 64.5
148 63.9 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.727 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion: 75 Resp: 26680
Ion Ratio Lower Upper
75 100
155 77.5 40.1 120.2
157 92.3 49.6 149.0

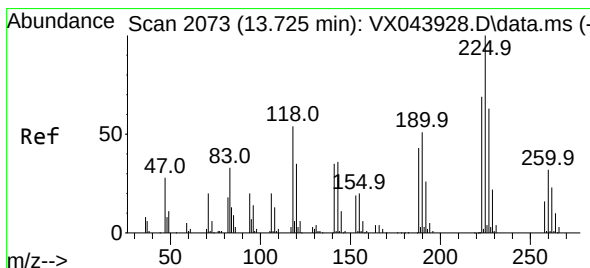
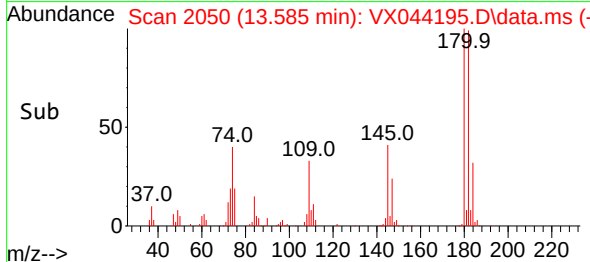
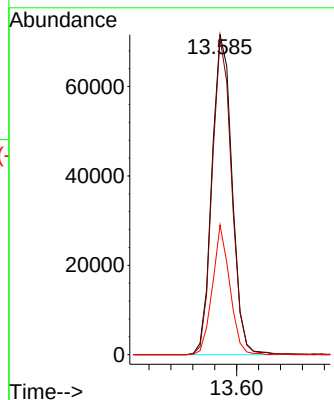
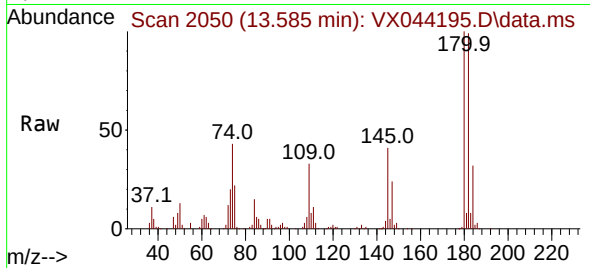




#93
1,2,4-Trichlorobenzene
Concen: 45.975 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

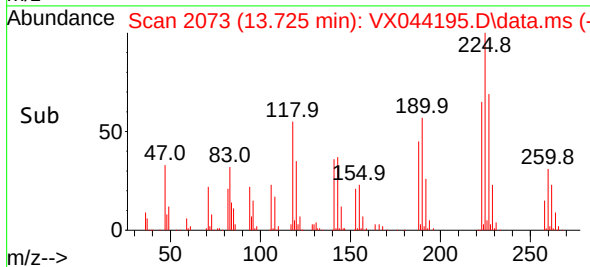
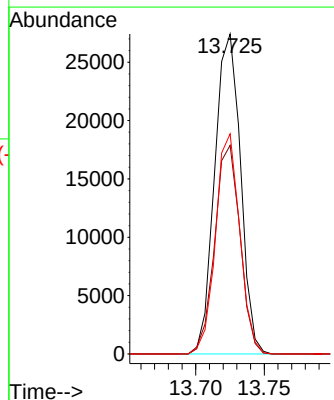
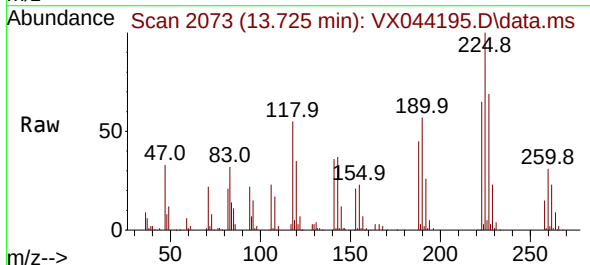
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

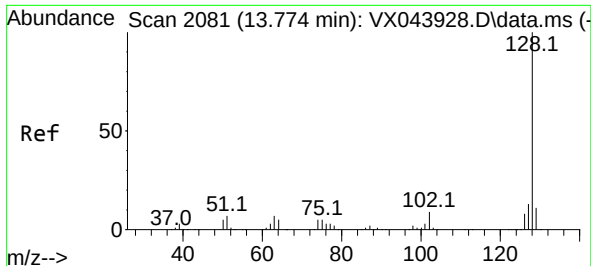
Tgt Ion:180	Resp:	91104
Ion Ratio	Lower	Upper
180	100	
182	96.0	48.0 144.2
145	35.0	16.8 50.4



#94
Hexachlorobutadiene
Concen: 45.818 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

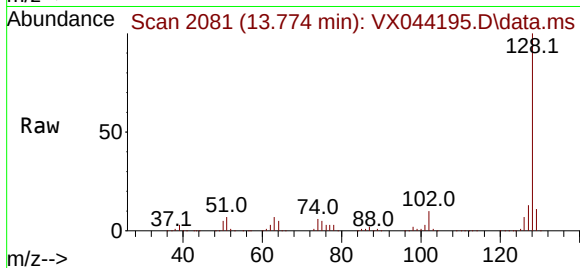
Tgt Ion:225	Resp:	35883
Ion Ratio	Lower	Upper
225	100	
223	63.9	32.9 98.6
227	64.6	31.6 94.8



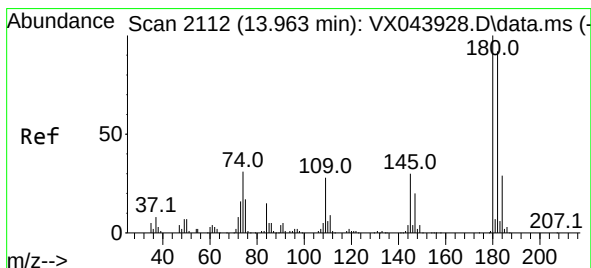
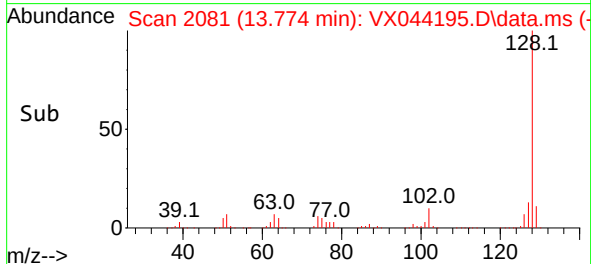
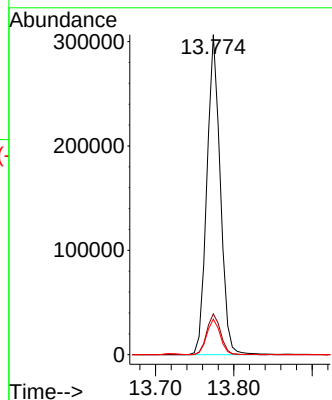


#95
Naphthalene
Concen: 50.915 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

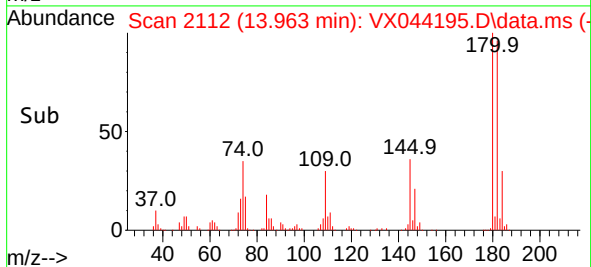
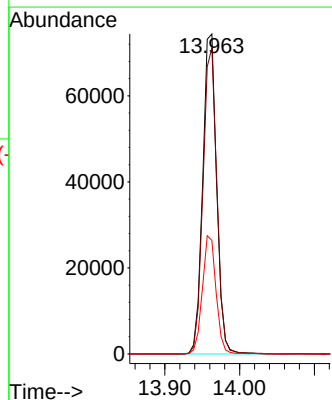
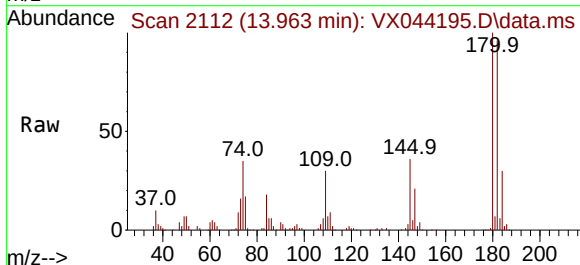


Tgt Ion:128 Resp: 363187
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 47.928 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044195.D
Acq: 09 Dec 2024 18:00

Tgt Ion:180 Resp: 96130
Ion Ratio Lower Upper
180 100
182 95.3 45.6 136.8
145 36.5 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044197.D
 Acq On : 10 Dec 2024 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	121082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	187191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91127	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106260	51.166	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.340%	
35) Dibromofluoromethane	5.379	113	79263	52.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.620%	
50) Toluene-d8	8.647	98	268167	51.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.680%	
62) 4-Bromofluorobenzene	11.079	95	97578	54.890	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.780%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	63839	41.618	ug/l	97
3) Chloromethane	1.294	50	68950	42.716	ug/l	99
4) Vinyl Chloride	1.374	62	76098	44.323	ug/l	99
5) Bromomethane	1.593	94	55134	52.201	ug/l	97
6) Chloroethane	1.660	64	51361	49.095	ug/l	98
7) Trichlorofluoromethane	1.867	101	171671	55.927	ug/l	100
8) Diethyl Ether	2.130	74	56553	50.549	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	73331	50.083	ug/l	98
10) Methyl Iodide	2.441	142	90454	49.465	ug/l	97
11) Tert butyl alcohol	2.995	59	83857	251.566	ug/l	97
12) 1,1-Dichloroethene	2.306	96	64019	45.885	ug/l	97
13) Acrolein	2.233	56	101837	289.842	ug/l	97
14) Allyl chloride	2.654	41	115018	50.451	ug/l	97
15) Acrylonitrile	3.068	53	227165	279.648	ug/l	99
16) Acetone	2.386	43	277283	290.702	ug/l	99
17) Carbon Disulfide	2.495	76	116422	40.453	ug/l	99
18) Methyl Acetate	2.703	43	123713	55.695	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	270415	53.378	ug/l	99
20) Methylene Chloride	2.782	84	77152	47.664	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	69426	48.196	ug/l	99
22) Diisopropyl ether	3.763	45	258512	53.030	ug/l	97
23) Vinyl Acetate	3.721	43	1139264	273.194	ug/l	99
24) 1,1-Dichloroethane	3.599	63	142627	50.716	ug/l	100
25) 2-Butanone	4.562	43	363724	295.530	ug/l	99
26) 2,2-Dichloropropane	4.465	77	132529	52.181	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	90693	50.935	ug/l	98
28) Bromochloromethane	4.891	49	59174	47.802	ug/l	96
29) Tetrahydrofuran	5.007	42	209149	277.191	ug/l	99
30) Chloroform	5.086	83	156932	51.884	ug/l	99
31) Cyclohexane	5.452	56	111927	48.357	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	138440	53.075	ug/l	99
36) 1,1-Dichloropropene	5.684	75	97232	51.492	ug/l	98
37) Ethyl Acetate	4.715	43	134827	57.521	ug/l	98
38) Carbon Tetrachloride	5.672	117	112117	52.842	ug/l	96
39) Methylcyclohexane	7.373	83	123359	50.287	ug/l	97
40) Benzene	6.031	78	296645	50.434	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044197.D
 Acq On : 10 Dec 2024 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	68558	57.147	ug/l	94
42) 1,2-Dichloroethane	6.080	62	126793	53.674	ug/l	100
43) Isopropyl Acetate	6.336	43	212244	56.898	ug/l	99
44) Trichloroethene	7.117	130	75985	45.635	ug/l	92
45) 1,2-Dichloropropane	7.427	63	77311	53.666	ug/l	97
46) Dibromomethane	7.580	93	62367	54.728	ug/l	99
47) Bromodichloromethane	7.818	83	115501	56.513	ug/l	99
48) Methyl methacrylate	7.690	41	99017	55.319	ug/l	98
49) 1,4-Dioxane	7.659	88	28446	892.162	ug/l #	74
51) 4-Methyl-2-Pentanone	8.574	43	696425	305.931	ug/l	100
52) Toluene	8.714	92	189268	53.762	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120064	57.607	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	125311	54.845	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	80926	55.687	ug/l	96
56) Ethyl methacrylate	9.116	69	134754	59.532	ug/l	100
57) 1,3-Dichloropropane	9.305	76	135605	55.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	314332	253.403	ug/l	99
59) 2-Hexanone	9.427	43	545883	319.041	ug/l	100
60) Dibromochloromethane	9.519	129	85107	58.369	ug/l	99
61) 1,2-Dibromoethane	9.610	107	85669	58.300	ug/l	96
64) Tetrachloroethene	9.269	164	62970	51.016	ug/l	98
65) Chlorobenzene	10.079	112	214102	52.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	76789	57.592	ug/l	96
67) Ethyl Benzene	10.189	91	378463	54.326	ug/l	99
68) m/p-Xylenes	10.299	106	281005	108.164	ug/l	99
69) o-Xylene	10.640	106	139928	55.165	ug/l	98
70) Styrene	10.652	104	235876	56.223	ug/l	98
71) Bromoform	10.799	173	53151	52.273	ug/l #	98
73) Isopropylbenzene	10.963	105	368919	52.666	ug/l	99
74) N-amyl acetate	10.841	43	186542	57.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	129580	54.025	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	145797	72.957	ug/l	83
77) Bromobenzene	11.195	156	86985	52.056	ug/l	98
78) n-propylbenzene	11.305	91	423839	54.176	ug/l	99
79) 2-Chlorotoluene	11.360	91	259490	52.453	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	310149	53.818	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	38314	52.317	ug/l	97
82) 4-Chlorotoluene	11.451	91	301801	54.037	ug/l	99
83) tert-Butylbenzene	11.713	119	316356	55.384	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	313218	54.591	ug/l	99
85) sec-Butylbenzene	11.890	105	388872	55.564	ug/l	100
86) p-Isopropyltoluene	12.006	119	325073	57.182	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	159843	52.521	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	160310	51.665	ug/l	97
89) n-Butylbenzene	12.329	91	283567	56.576	ug/l	99
90) Hexachloroethane	12.536	117	50899	52.654	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	164337	53.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27603	57.434	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	96701	53.404	ug/l	99
94) Hexachlorobutadiene	13.725	225	39157	54.716	ug/l	96
95) Naphthalene	13.774	128	381783	58.572	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	101647	55.461	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044197.D
Acq On : 10 Dec 2024 10:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

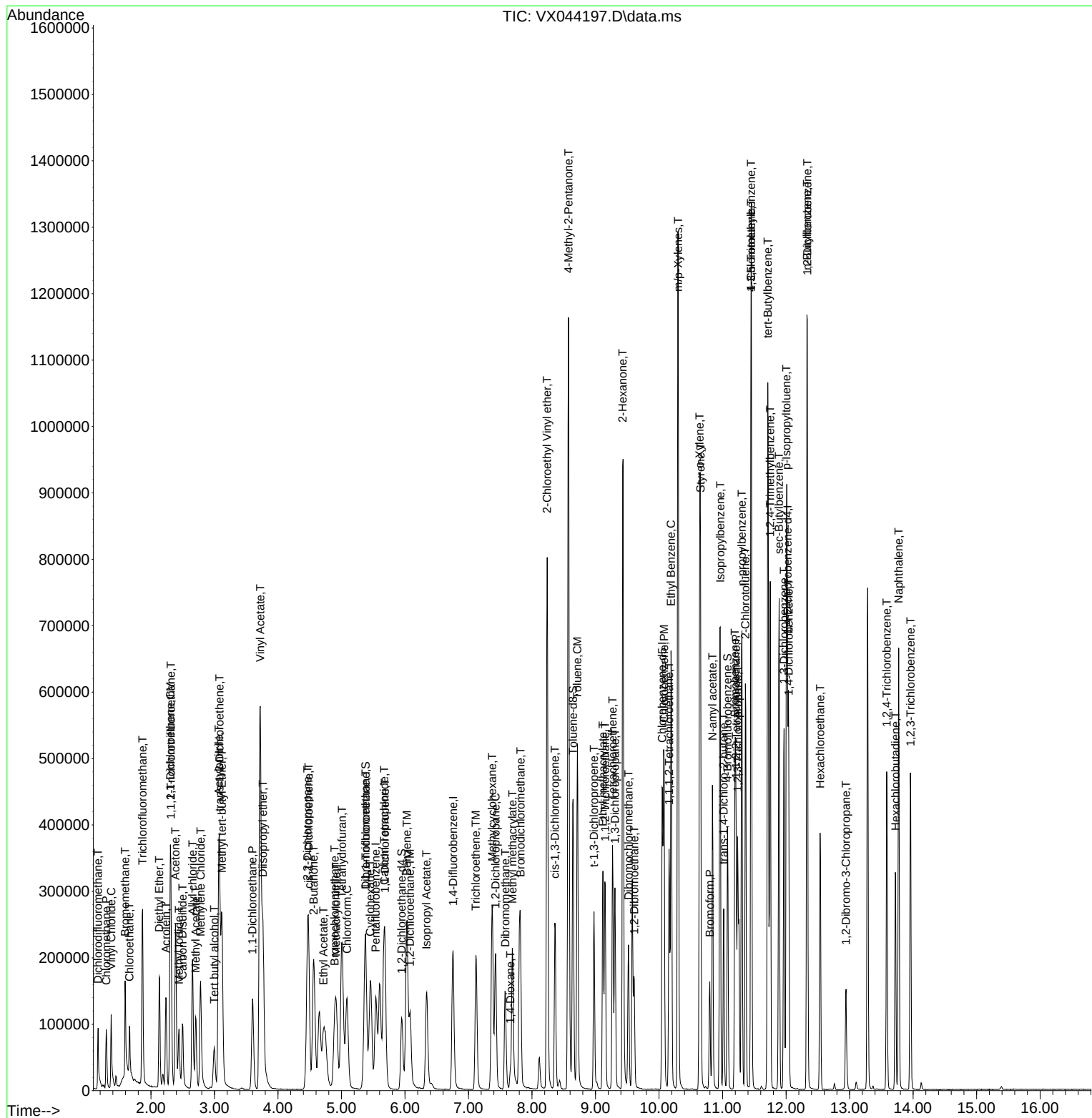
Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

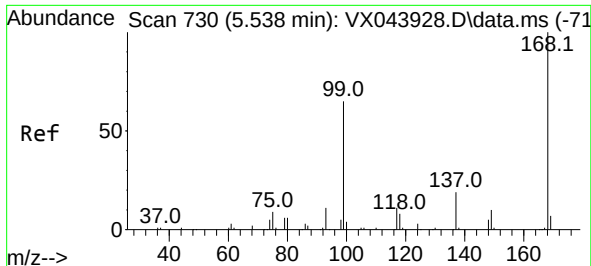
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 11 01:25:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

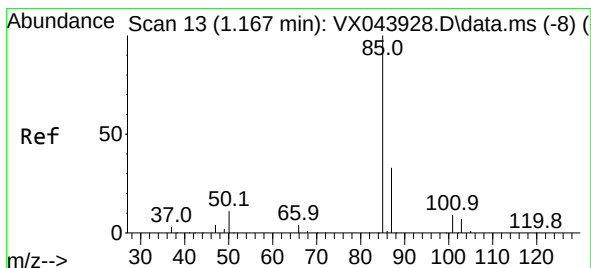
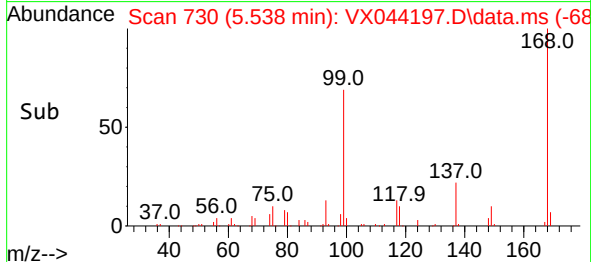
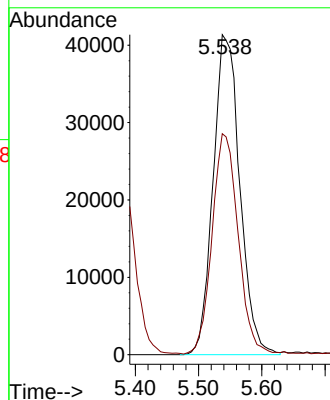
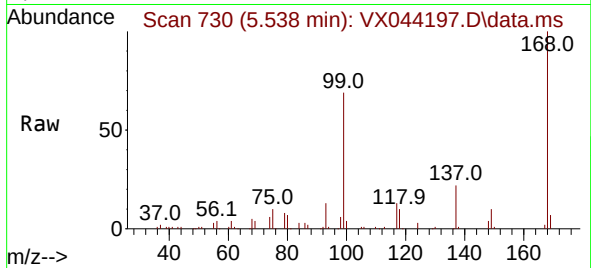




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

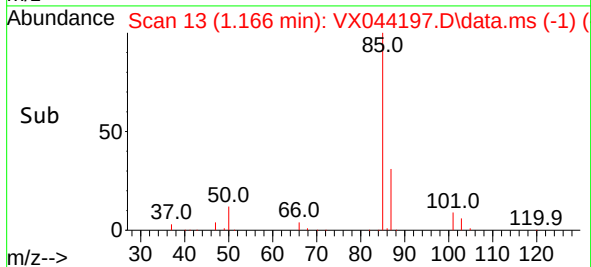
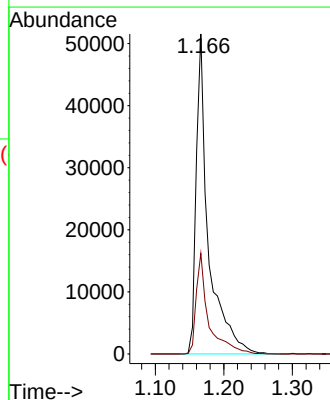
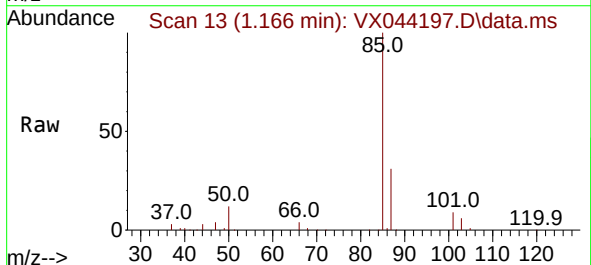
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

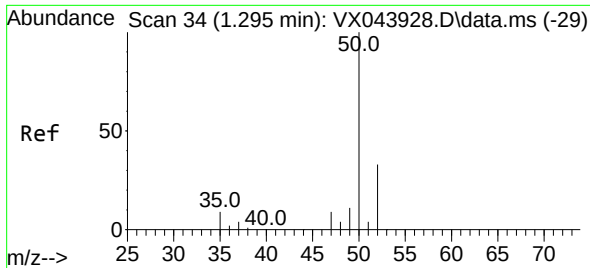
Tgt Ion:168 Resp: 121082
Ion Ratio Lower Upper
168 100
99 68.7 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 41.618 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 85 Resp: 63839
Ion Ratio Lower Upper
85 100
87 31.4 16.6 49.8

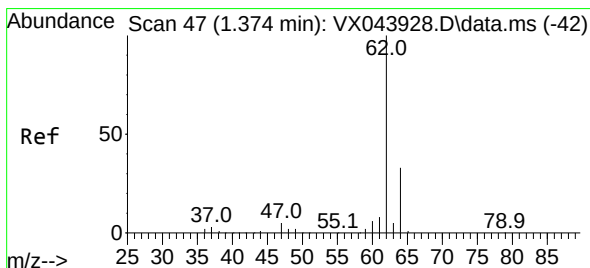
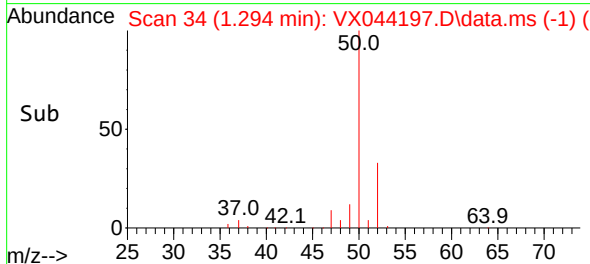
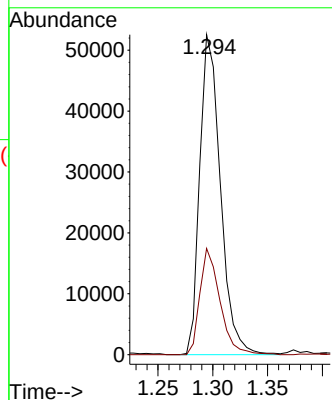
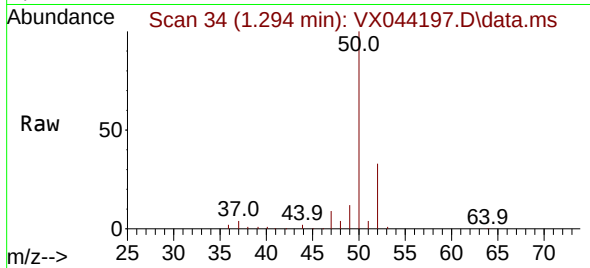




#3
Chloromethane
Concen: 42.716 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

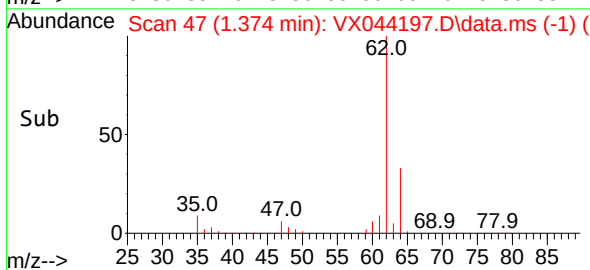
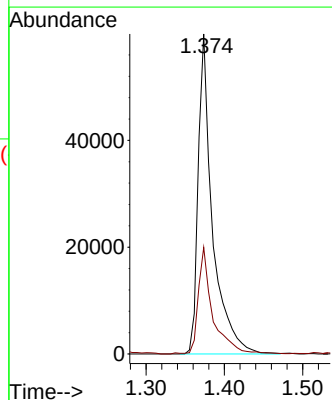
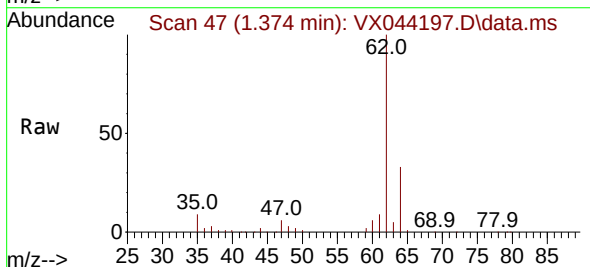
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

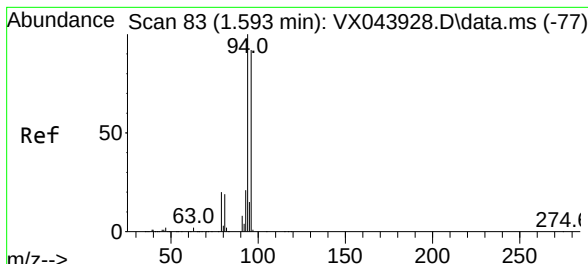
Tgt Ion: 50 Resp: 68950
Ion Ratio Lower Upper
50 100
52 33.2 26.1 39.1



#4
Vinyl Chloride
Concen: 44.323 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 62 Resp: 76098
Ion Ratio Lower Upper
62 100
64 33.2 26.2 39.4

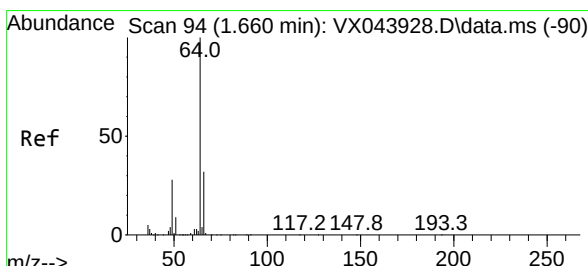
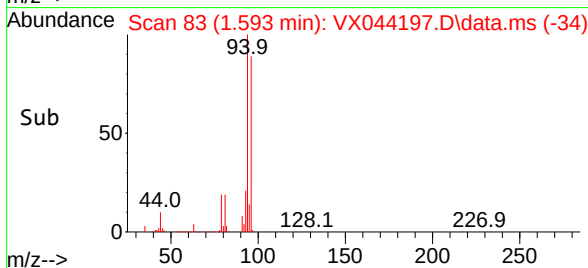
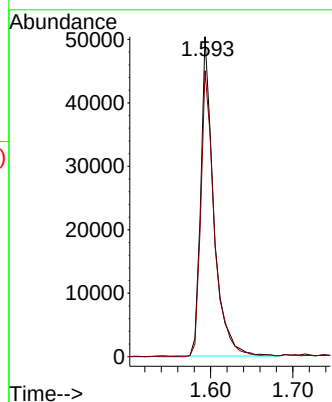
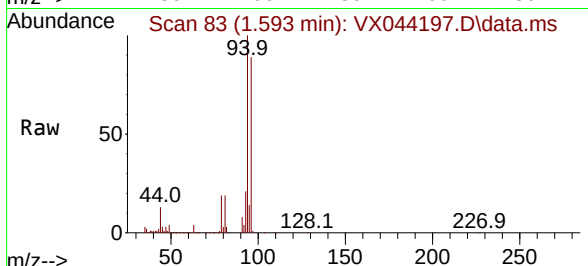




#5
 Bromomethane
 Concen: 52.201 ug/l
 RT: 1.593 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

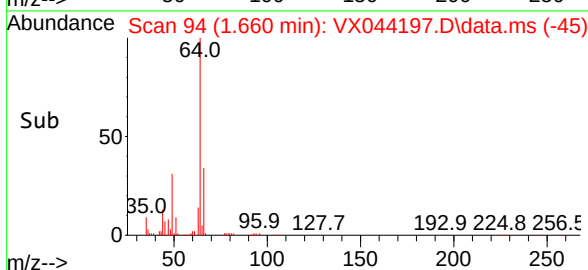
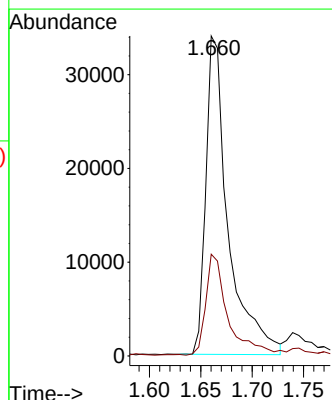
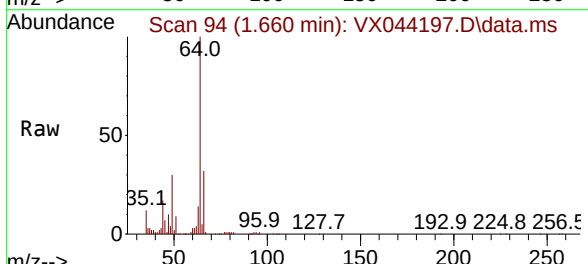
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

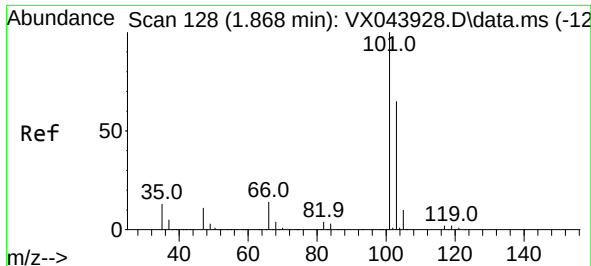
Tgt Ion: 94 Resp: 55134
 Ion Ratio Lower Upper
 94 100
 96 89.6 73.9 110.9



#6
 Chloroethane
 Concen: 49.095 ug/l
 RT: 1.660 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

Tgt Ion: 64 Resp: 51361
 Ion Ratio Lower Upper
 64 100
 66 31.5 25.9 38.9

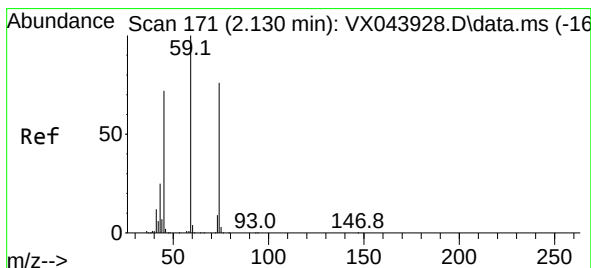
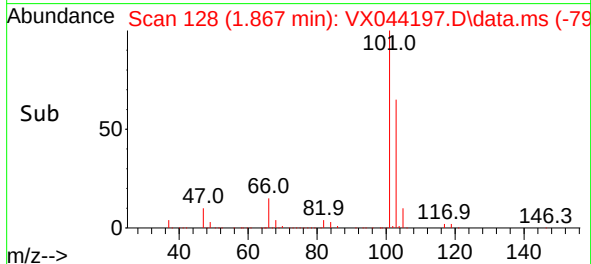
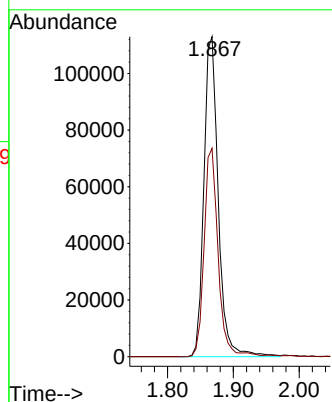
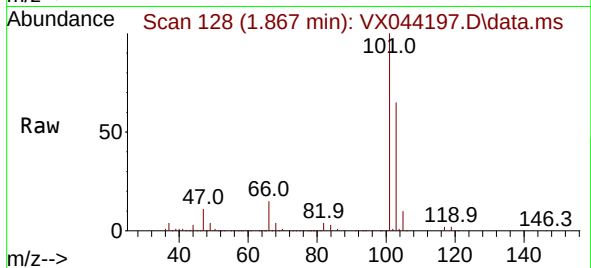




#7
Trichlorofluoromethane
Concen: 55.927 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

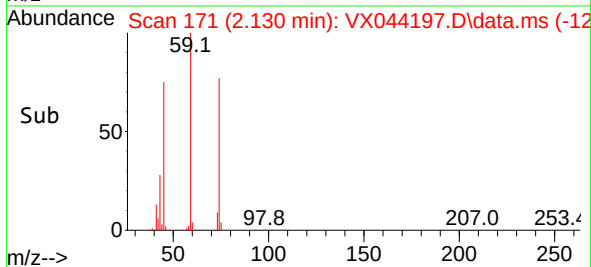
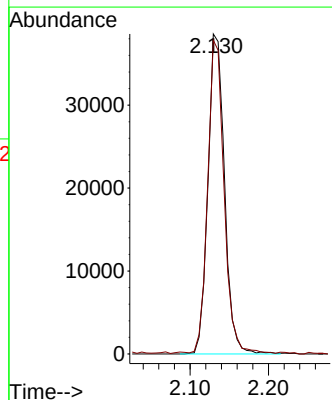
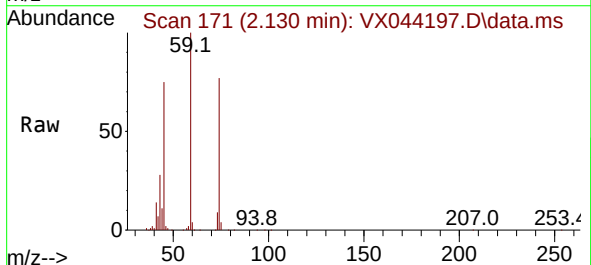
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

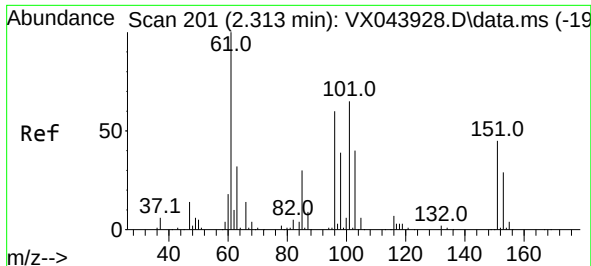
Tgt Ion:101 Resp: 171671
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.2



#8
Diethyl Ether
Concen: 50.549 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 74 Resp: 56553
Ion Ratio Lower Upper
74 100
45 97.0 47.9 143.6

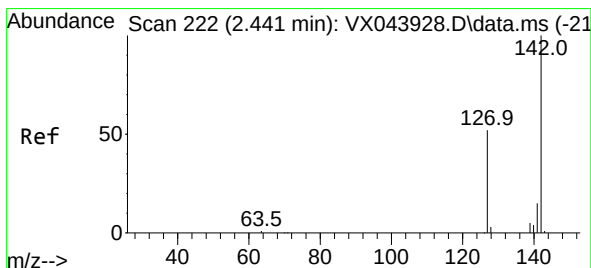
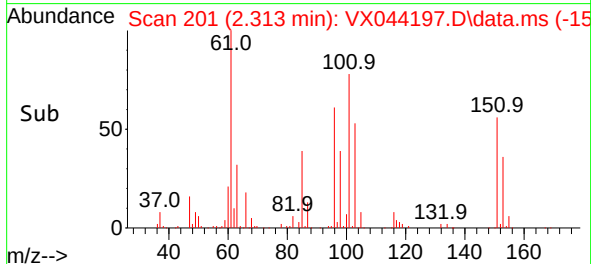
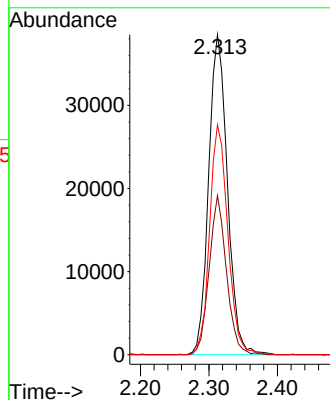
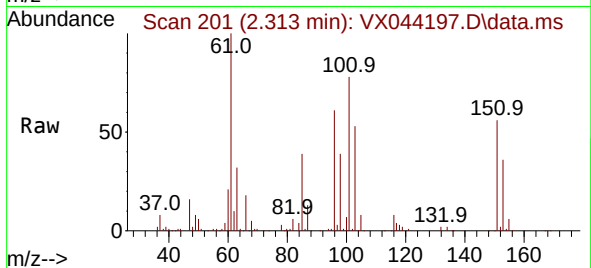




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.083 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

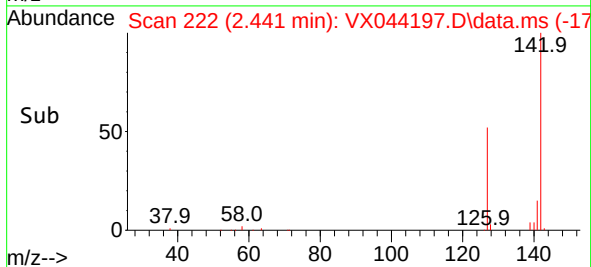
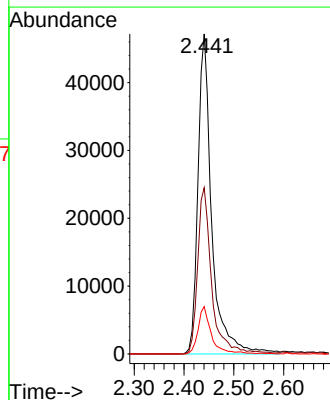
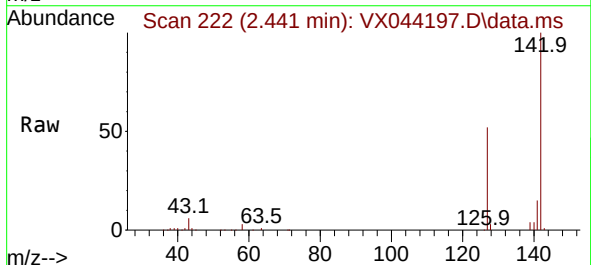
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

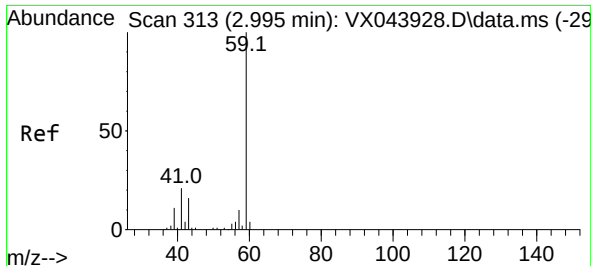
Tgt Ion:101 Resp: 73331
Ion Ratio Lower Upper
101 100
85 46.0 37.9 56.9
151 69.9 57.5 86.3



#10
Methyl Iodide
Concen: 49.465 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:142 Resp: 90454
Ion Ratio Lower Upper
142 100
127 53.0 40.7 61.1
141 14.3 12.0 18.0

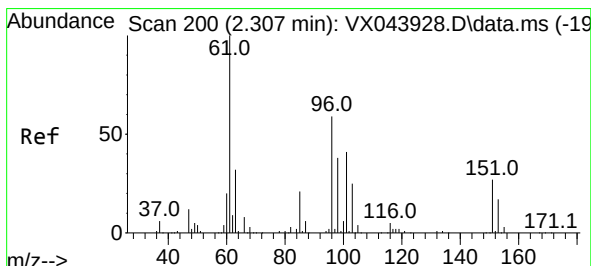
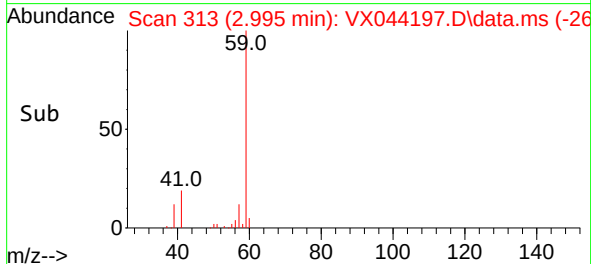
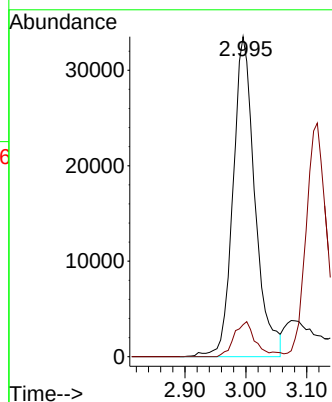
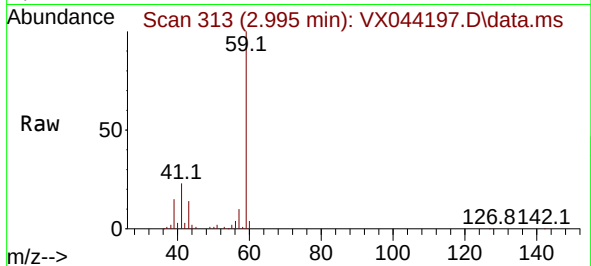




#11
Tert butyl alcohol
Concen: 251.566 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

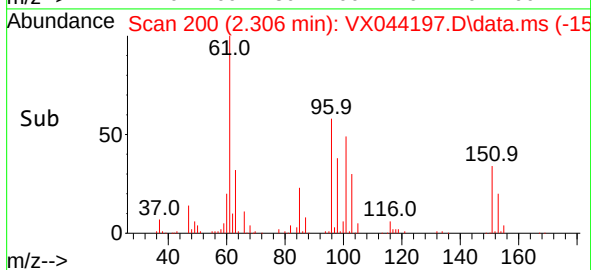
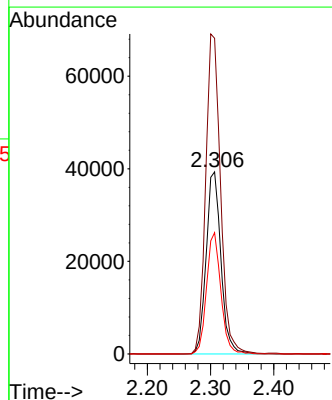
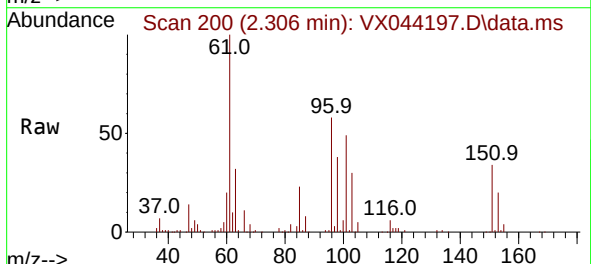
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

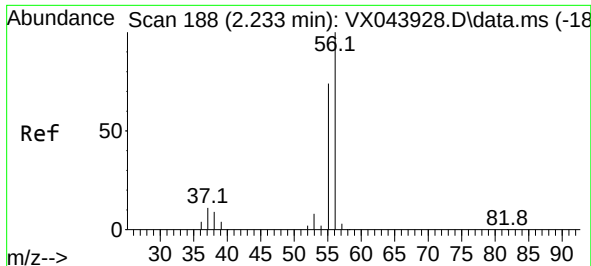
Tgt Ion: 59 Resp: 83857
Ion Ratio Lower Upper
59 100
57 10.9 7.9 11.9



#12
1,1-Dichloroethene
Concen: 45.885 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 96 Resp: 64019
Ion Ratio Lower Upper
96 100
61 173.4 135.5 203.3
98 66.6 50.8 76.2

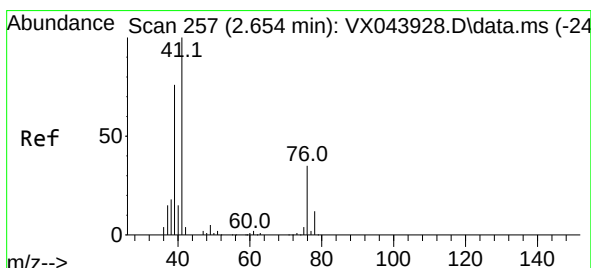
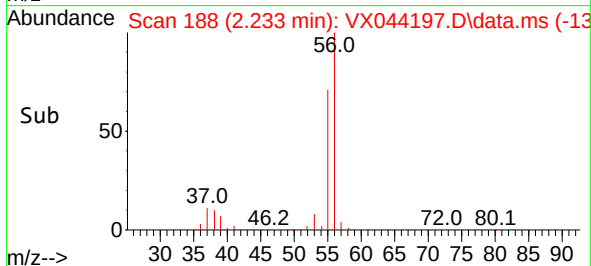
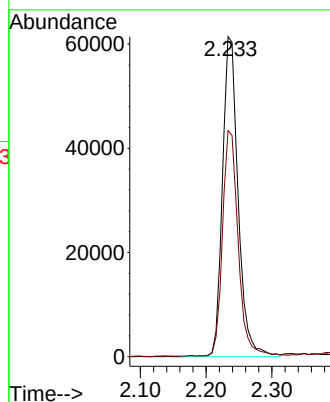
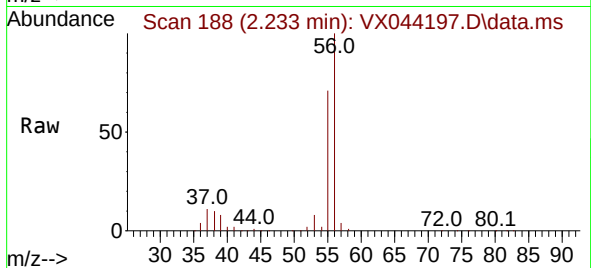




#13
Acrolein
Concen: 289.842 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

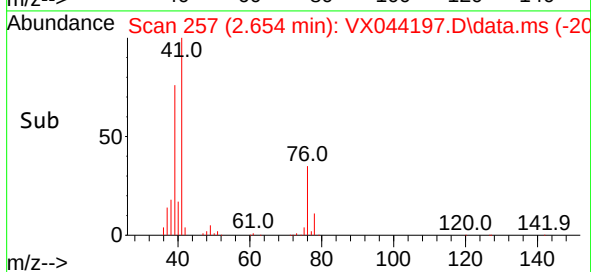
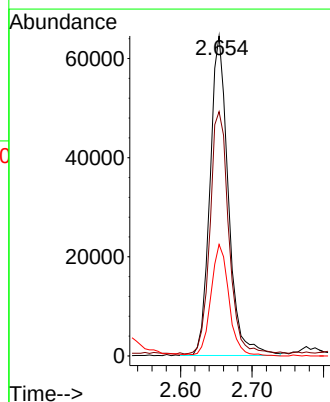
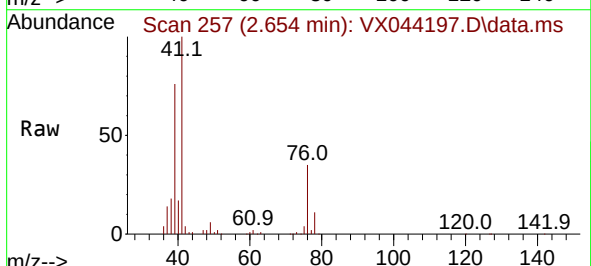
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

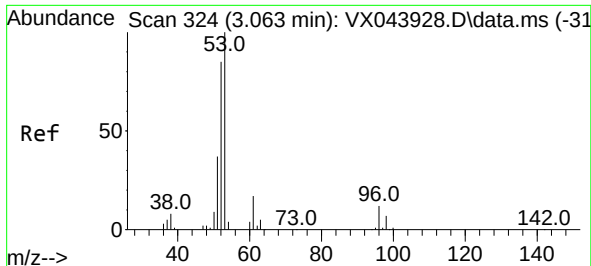
Tgt Ion: 56 Resp: 101837
Ion Ratio Lower Upper
56 100
55 70.1 58.2 87.2



#14
Allyl chloride
Concen: 50.451 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 41 Resp: 115018
Ion Ratio Lower Upper
41 100
39 77.9 59.5 89.3
76 34.4 27.4 41.2

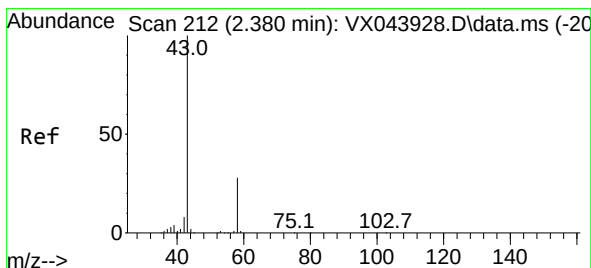
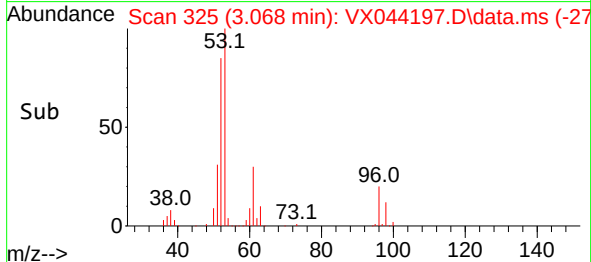
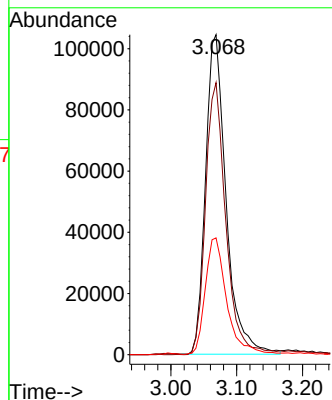
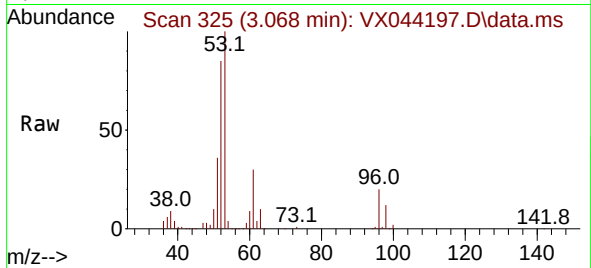




#15
Acrylonitrile
Concen: 279.648 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

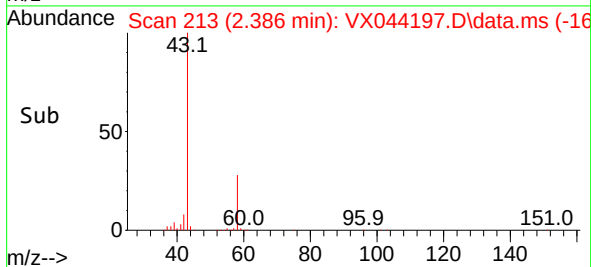
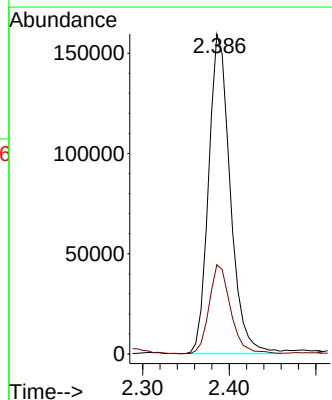
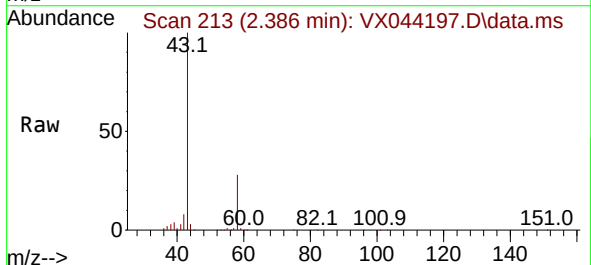
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

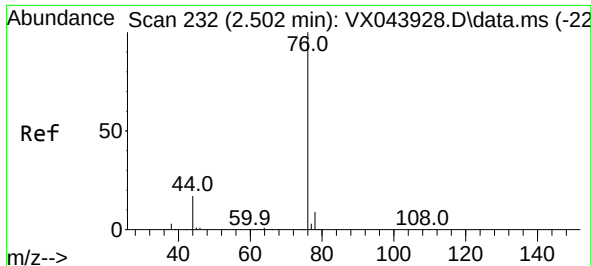
Tgt Ion: 53 Resp: 227165
Ion Ratio Lower Upper
53 100
52 83.9 66.5 99.7
51 38.1 30.2 45.4



#16
Acetone
Concen: 290.702 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 43 Resp: 277283
Ion Ratio Lower Upper
43 100
58 27.8 22.7 34.1

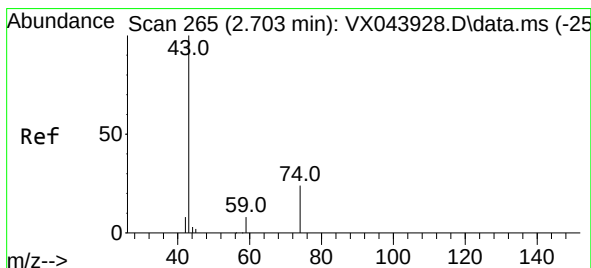
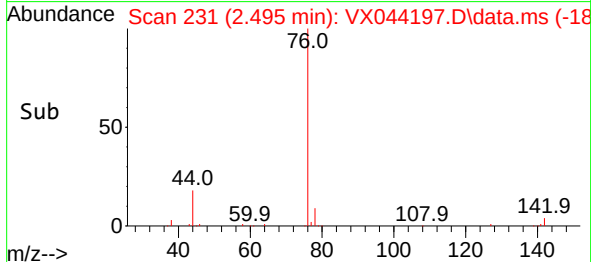
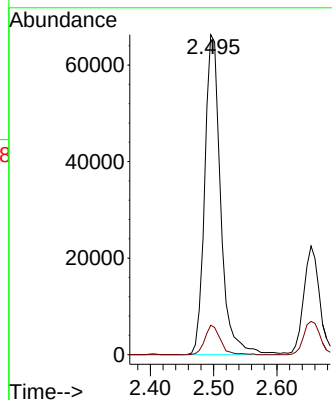
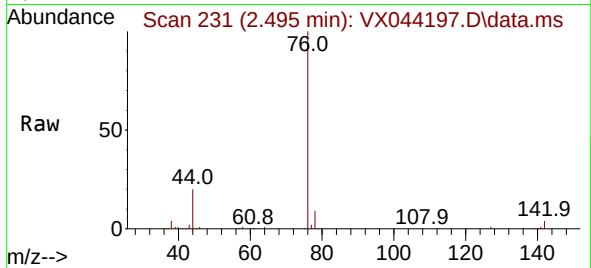




#17
Carbon Disulfide
Concen: 40.453 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

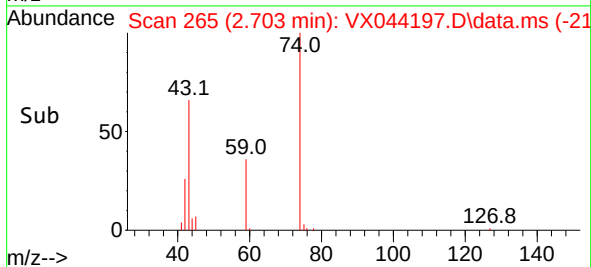
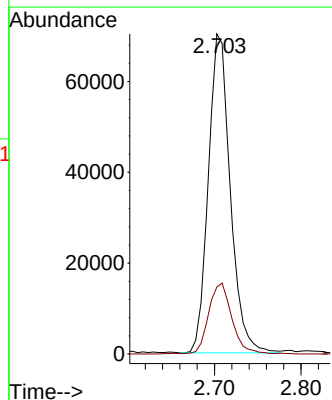
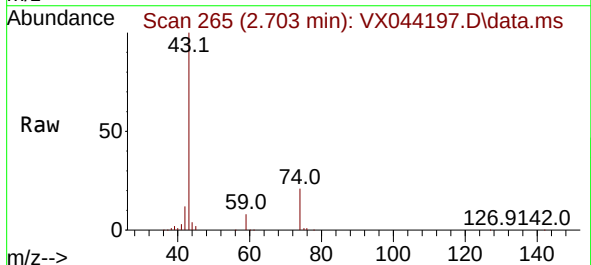
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

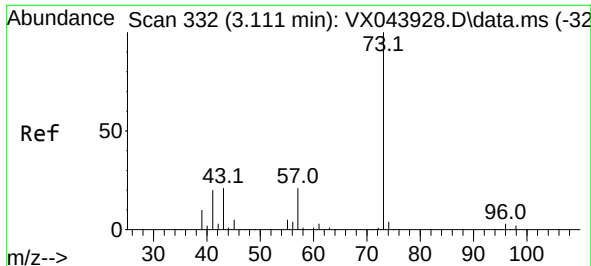
Tgt Ion: 76 Resp: 116422
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 55.695 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 43 Resp: 123713
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3

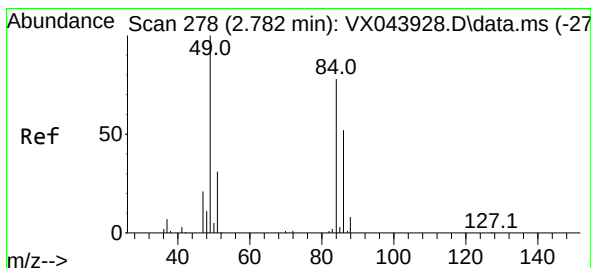
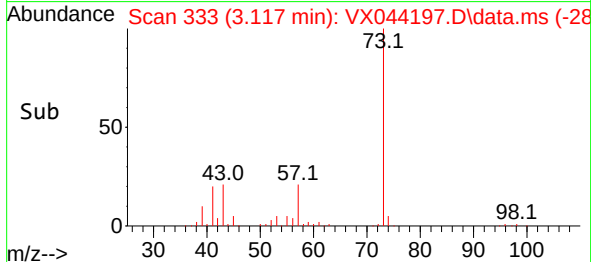
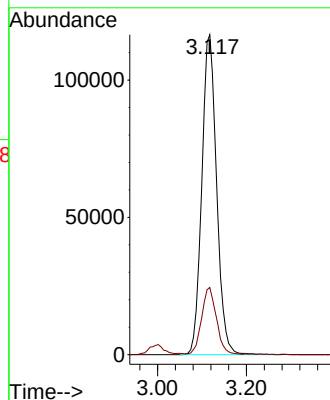
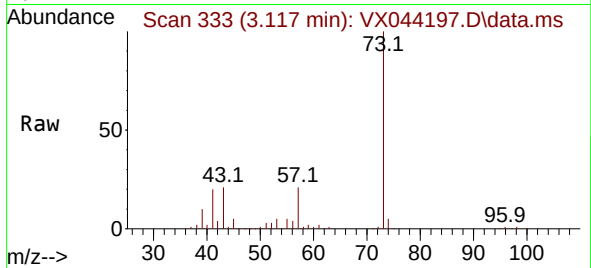




#19
Methyl tert-butyl Ether
Concen: 53.378 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

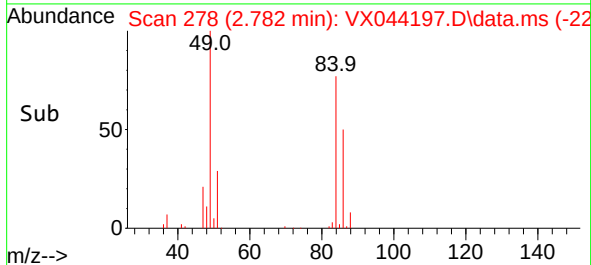
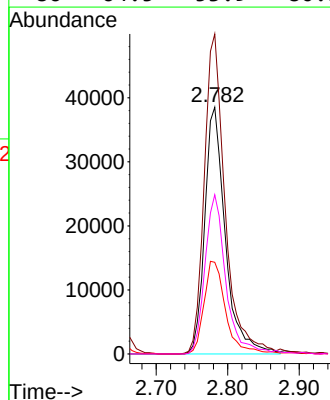
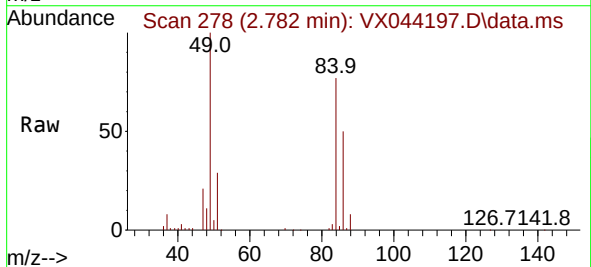
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

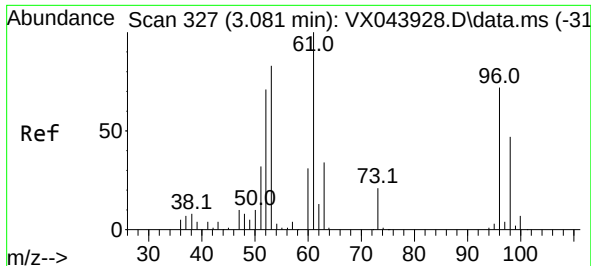
Tgt Ion: 73 Resp: 270415
Ion Ratio Lower Upper
73 100
57 20.9 17.0 25.6



#20
Methylene Chloride
Concen: 47.664 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 84 Resp: 77152
Ion Ratio Lower Upper
84 100
49 129.7 102.7 154.1
51 37.1 31.7 47.5
86 64.5 53.9 80.9

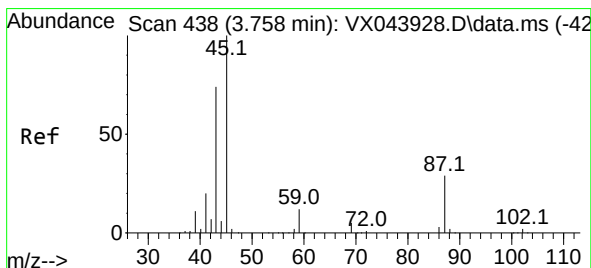
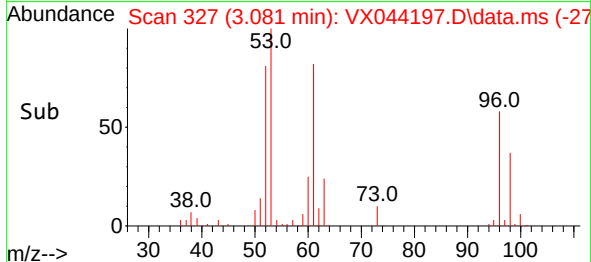
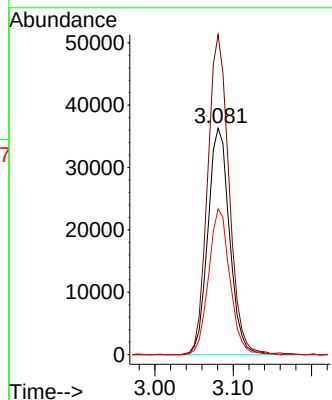
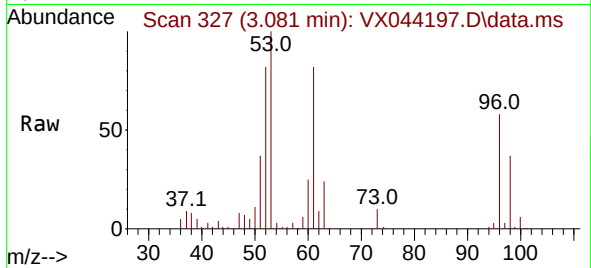




#21
trans-1,2-Dichloroethene
Concen: 48.196 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

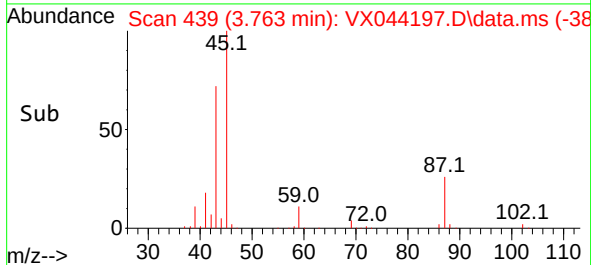
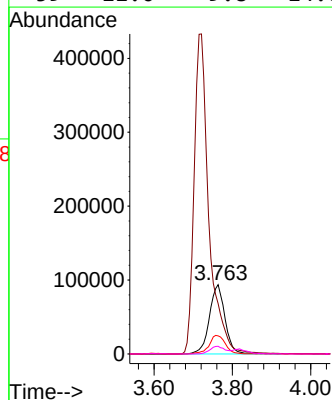
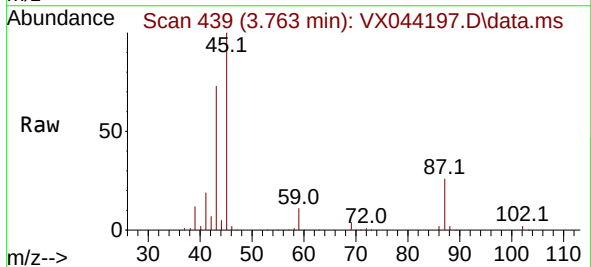
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

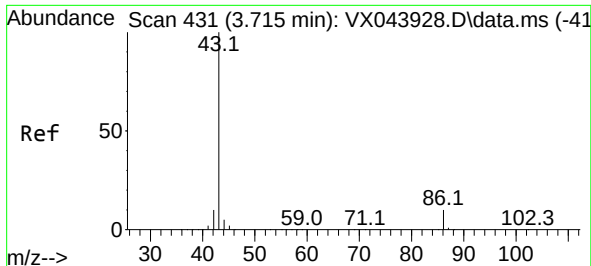
Tgt Ion: 96 Resp: 69426
Ion Ratio Lower Upper
96 100
61 141.2 111.8 167.6
98 64.4 52.7 79.1



#22
Diisopropyl ether
Concen: 53.030 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 45 Resp: 258512
Ion Ratio Lower Upper
45 100
43 72.5 59.6 89.4
87 26.2 22.9 34.3
59 11.0 9.8 14.6

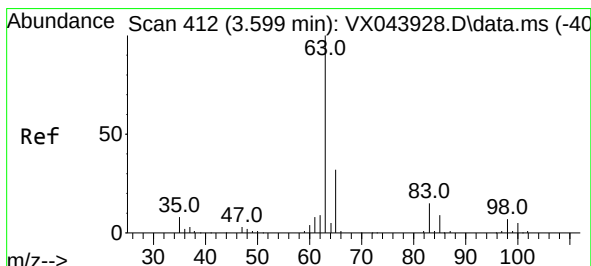
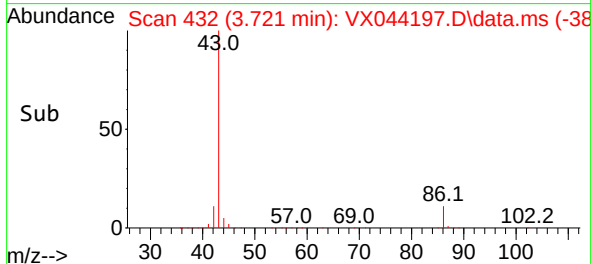
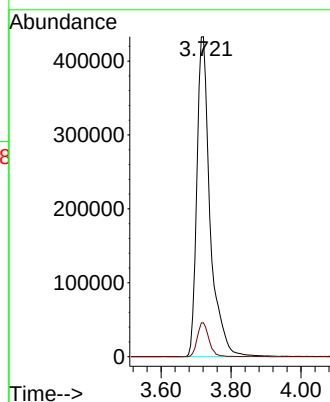
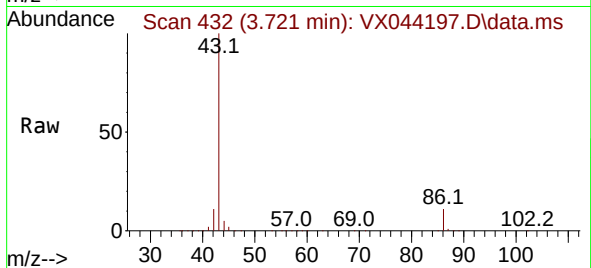




#23
 Vinyl Acetate
 Concen: 273.194 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

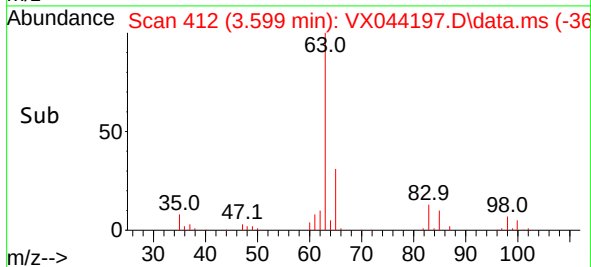
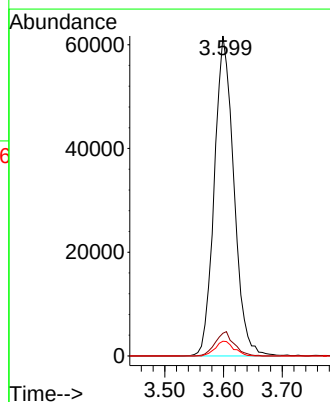
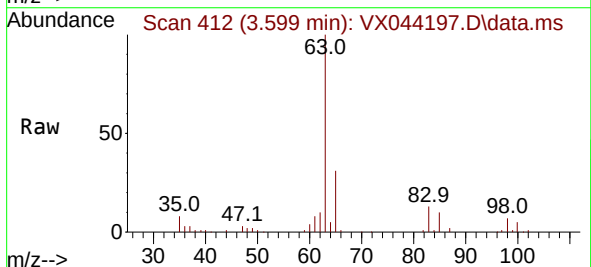
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

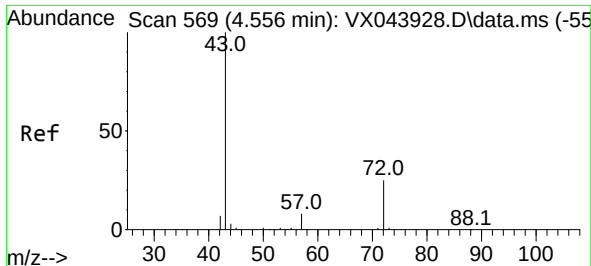
Tgt Ion: 43 Resp: 1139264
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 50.716 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.000 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

Tgt Ion: 63 Resp: 142627
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.6
 100 4.6 2.4 7.1

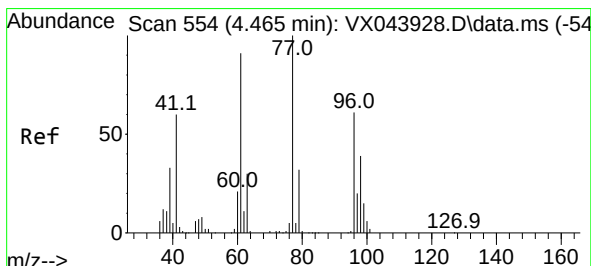
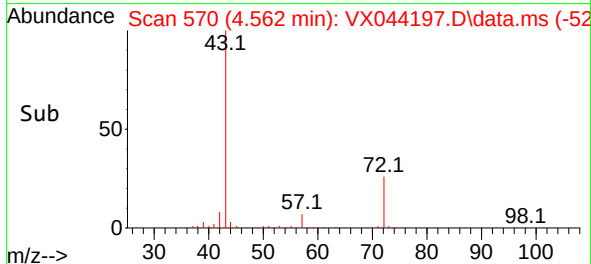
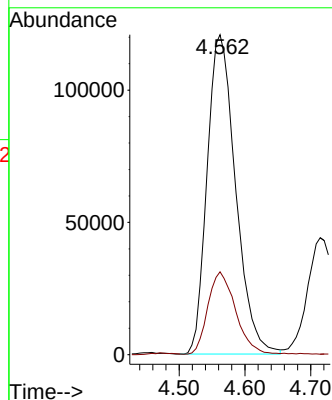
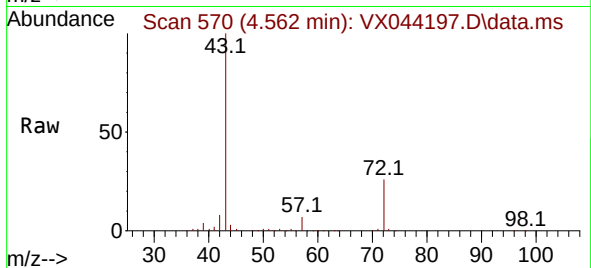




#25
2-Butanone
Concen: 295.530 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

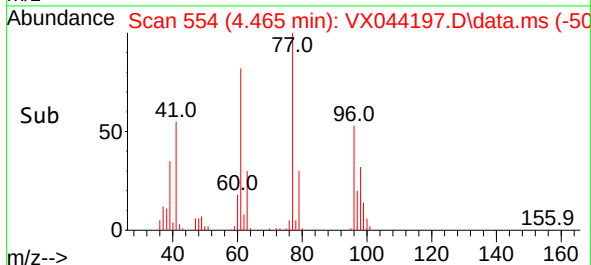
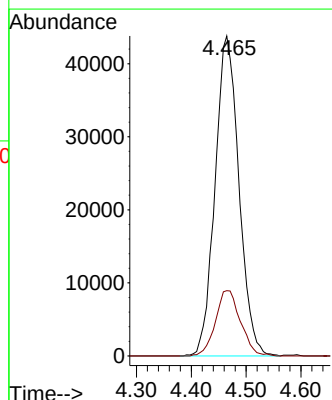
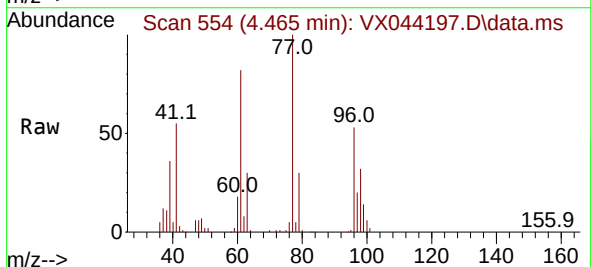
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

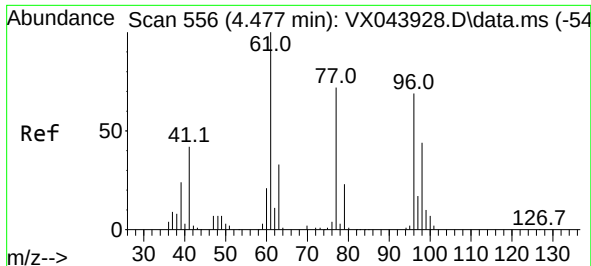
Tgt Ion: 43 Resp: 363724
Ion Ratio Lower Upper
43 100
72 25.7 20.2 30.2



#26
2,2-Dichloropropane
Concen: 52.181 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 77 Resp: 132529
Ion Ratio Lower Upper
77 100
97 21.4 10.8 32.3

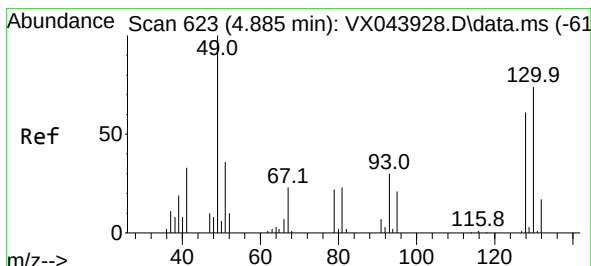
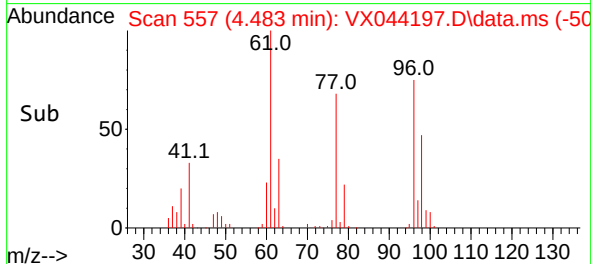
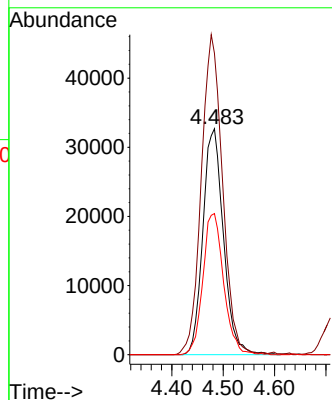
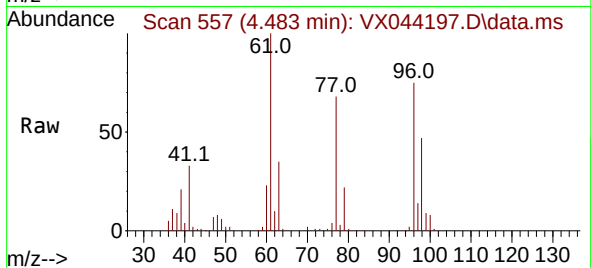




#27
 cis-1,2-Dichloroethene
 Concen: 50.935 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

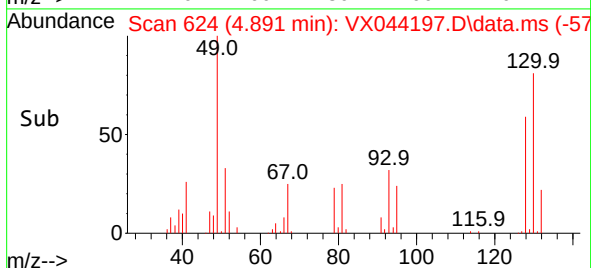
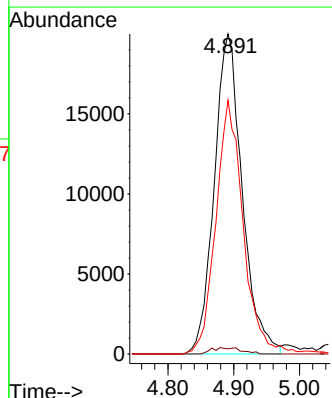
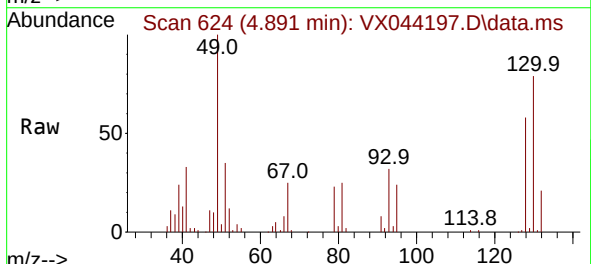
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

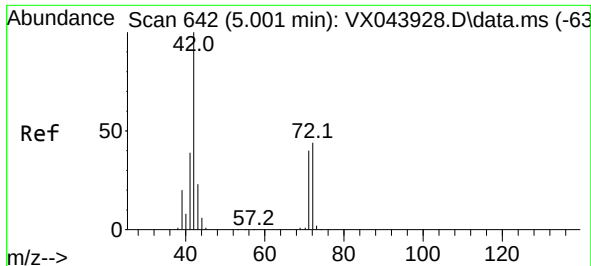
Tgt Ion: 96 Resp: 90693
 Ion Ratio Lower Upper
 96 100
 61 146.4 0.0 297.4
 98 63.2 0.0 127.8



#28
 Bromochloromethane
 Concen: 47.802 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. 0.006 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

Tgt Ion: 49 Resp: 59174
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 77.2 59.0 88.6





#29

Tetrahydrofuran

Concen: 277.191 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

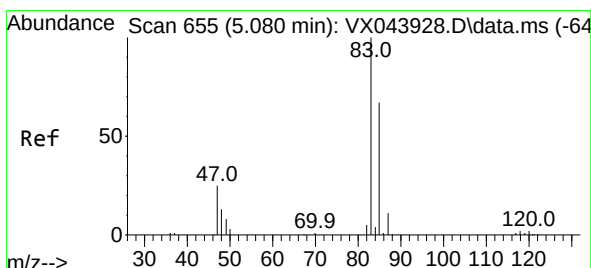
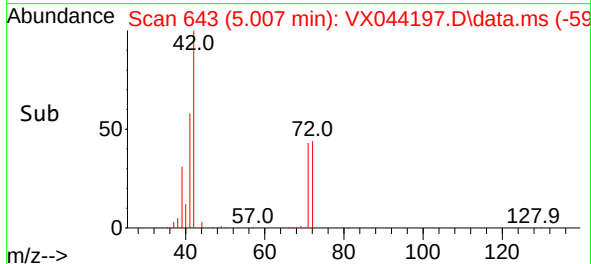
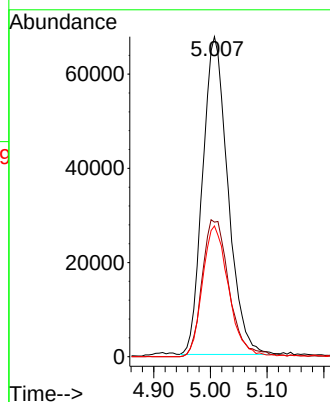
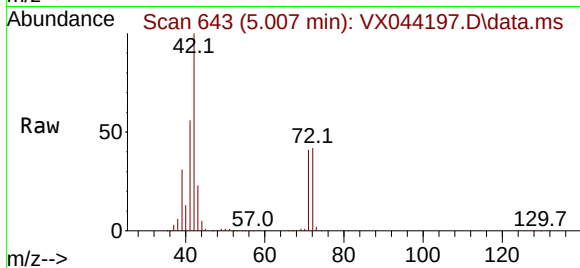
Tgt Ion: 42 Resp: 209149

Ion Ratio Lower Upper

42 100

72 45.9 36.4 54.6

71 42.5 33.4 50.0



#30

Chloroform

Concen: 51.884 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044197.D

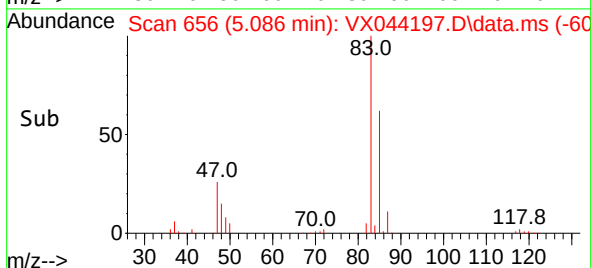
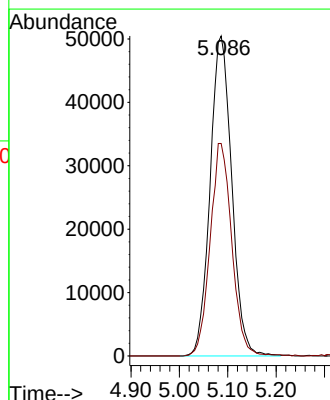
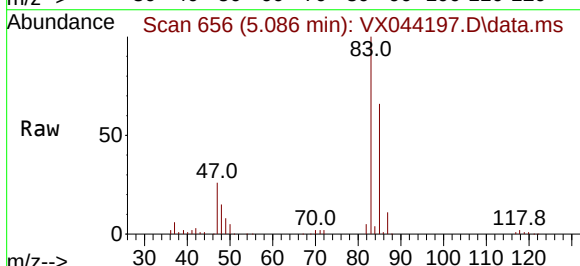
Acq: 10 Dec 2024 10:43

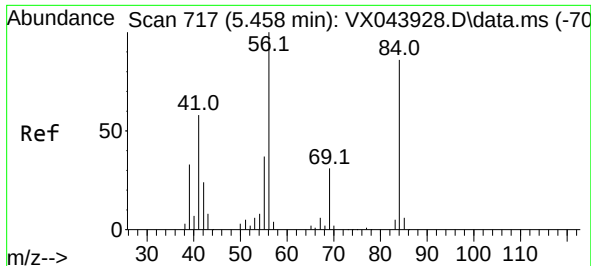
Tgt Ion: 83 Resp: 156932

Ion Ratio Lower Upper

83 100

85 66.4 53.5 80.3

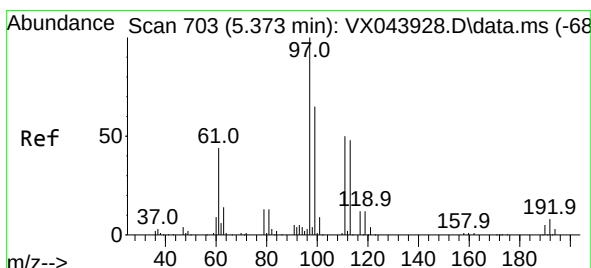
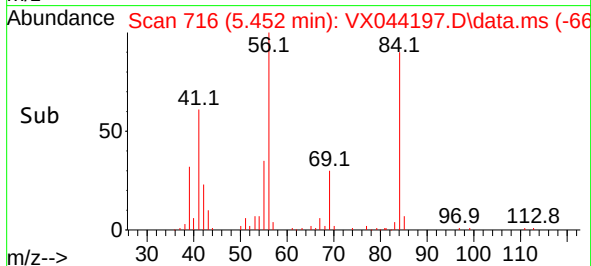
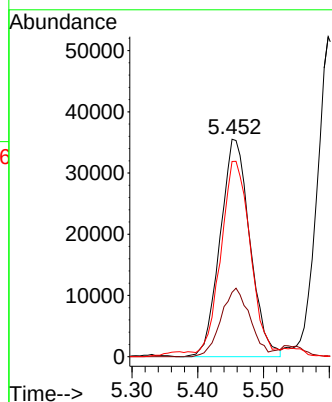
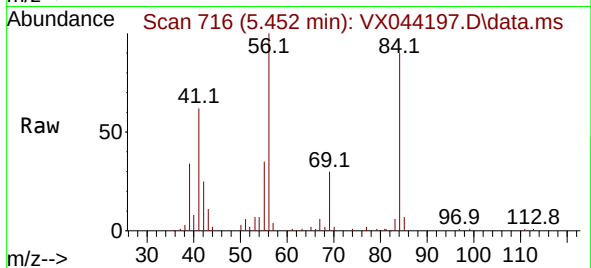




#31
Cyclohexane
Concen: 48.357 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

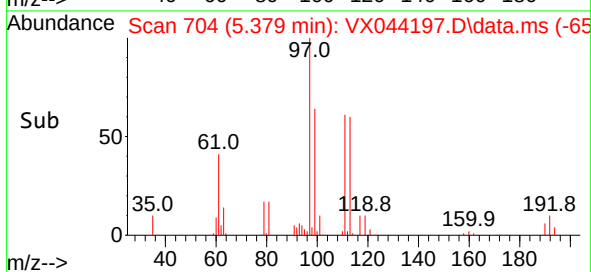
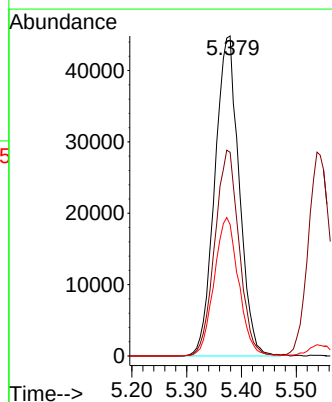
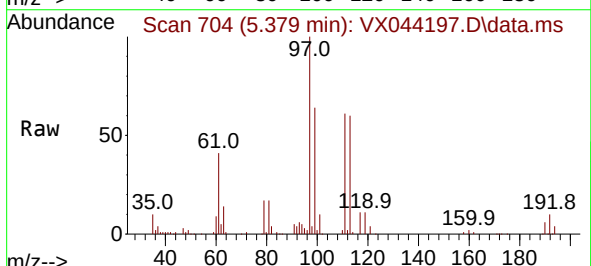
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

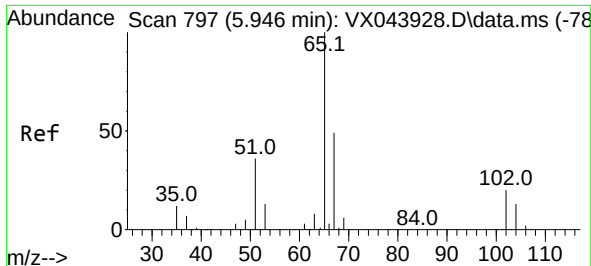
Tgt Ion: 56 Resp: 111927
Ion Ratio Lower Upper
56 100
69 29.6 24.7 37.1
84 87.5 68.7 103.1



#32
1,1,1-Trichloroethane
Concen: 53.075 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 97 Resp: 138440
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 43.5 35.4 53.2

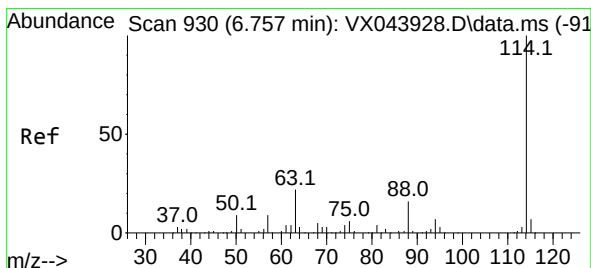
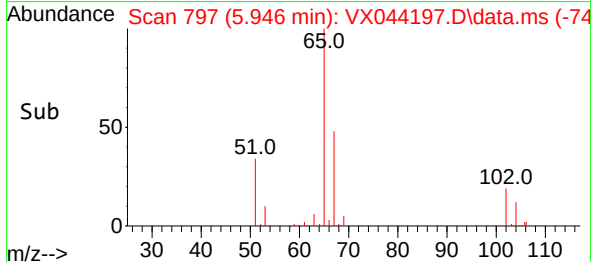
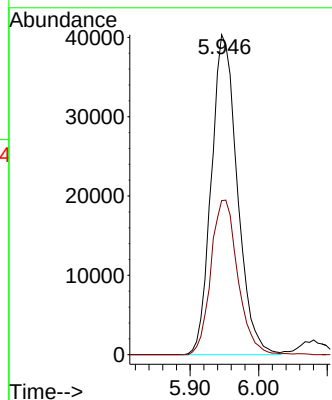
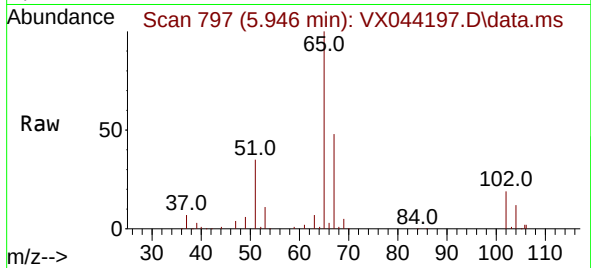




#33
 1,2-Dichloroethane-d4
 Concen: 51.166 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

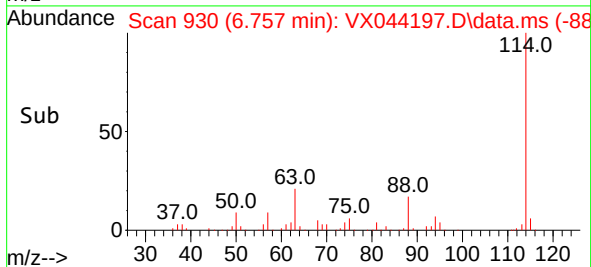
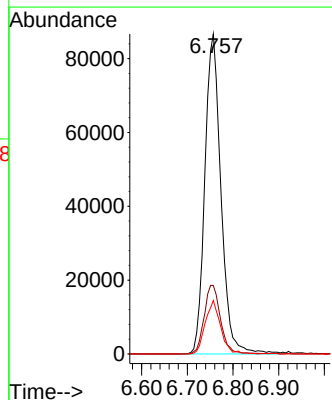
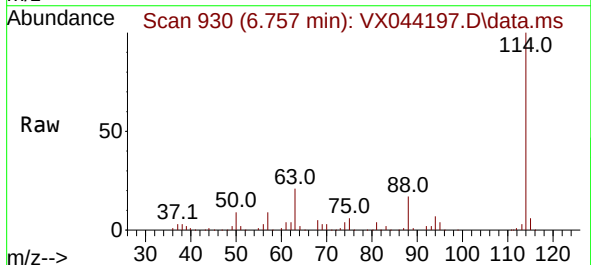
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

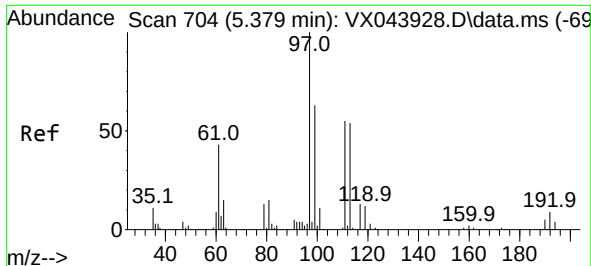
Tgt Ion: 65 Resp: 106260
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

Tgt Ion: 114 Resp: 212067
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.0
 88 16.7 0.0 32.4

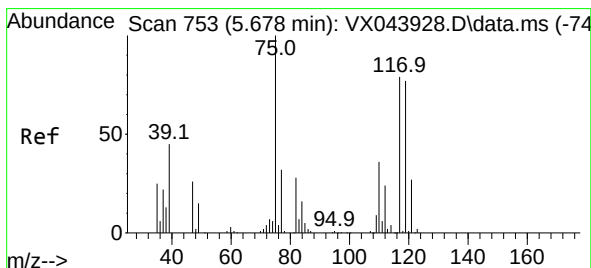
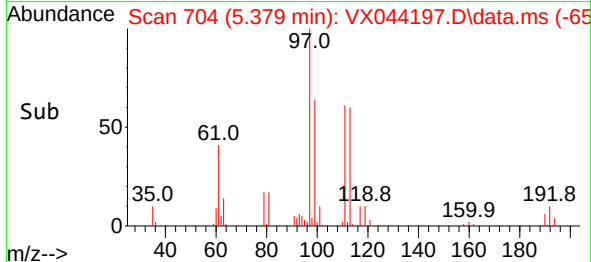
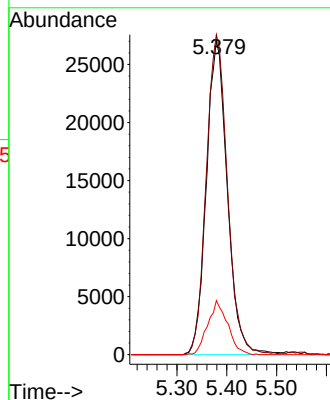
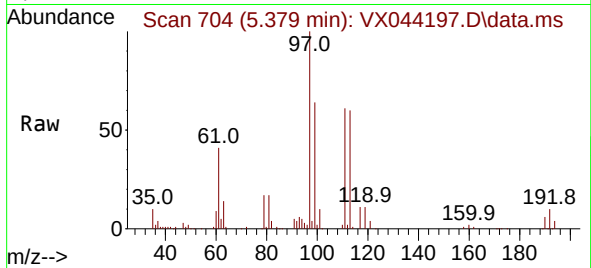




#35
Dibromofluoromethane
Concen: 52.308 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

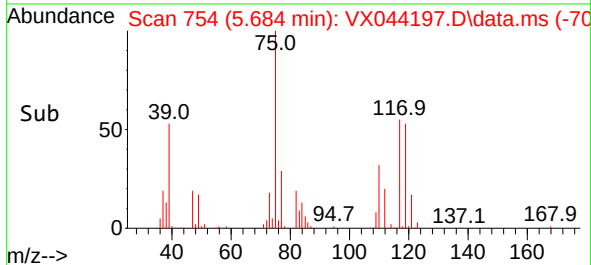
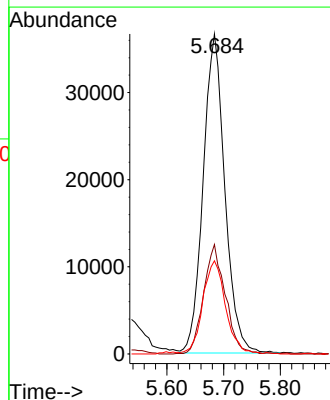
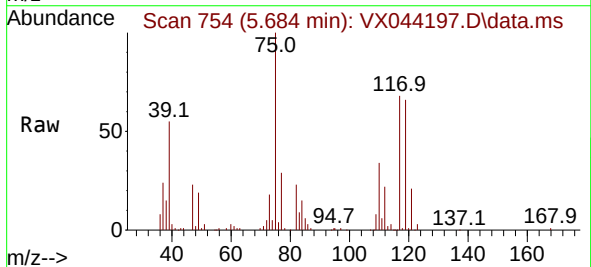
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

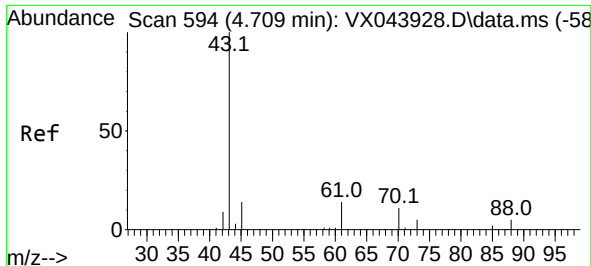
Tgt Ion:113 Resp: 79263
Ion Ratio Lower Upper
113 100
111 102.8 81.0 121.4
192 16.4 13.0 19.6



#36
1,1-Dichloropropene
Concen: 51.492 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 75 Resp: 97232
Ion Ratio Lower Upper
75 100
110 34.4 17.4 52.2
77 30.4 25.8 38.8





#37

Ethyl Acetate

Concen: 57.521 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

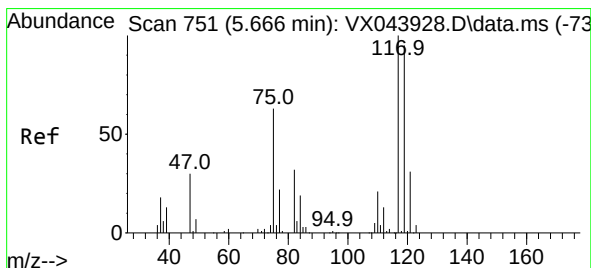
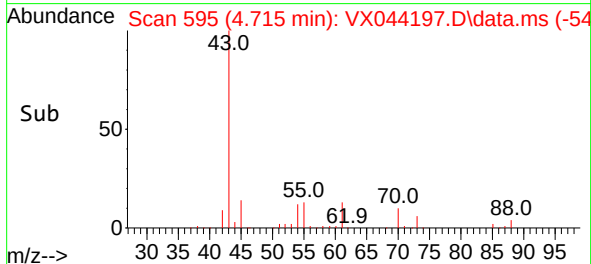
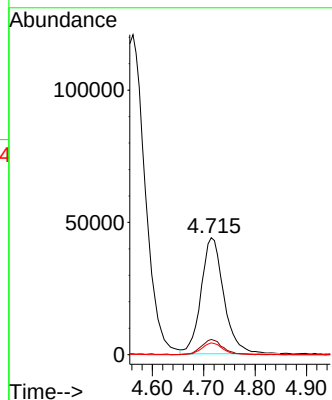
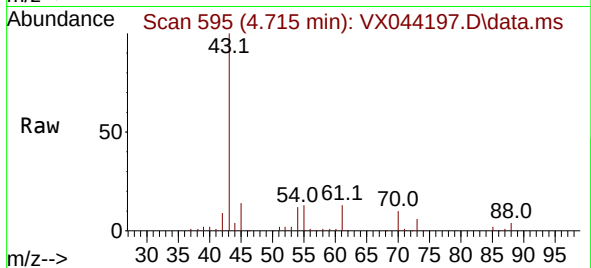
Tgt Ion: 43 Resp: 134827

Ion Ratio Lower Upper

43 100

61 12.4 10.7 16.1

70 9.4 8.0 12.0



#38

Carbon Tetrachloride

Concen: 52.842 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

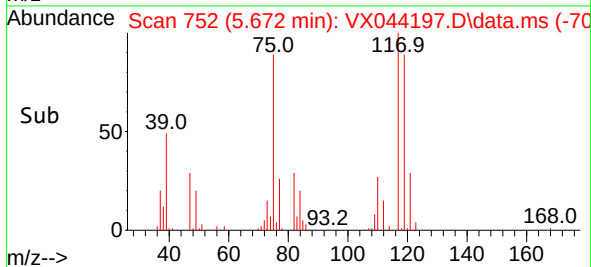
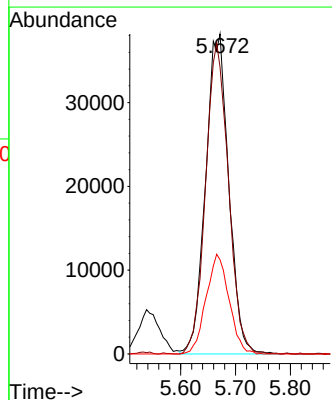
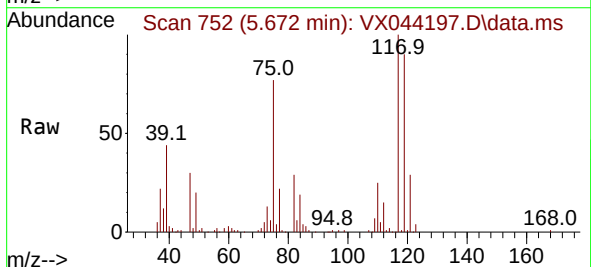
Tgt Ion: 117 Resp: 112117

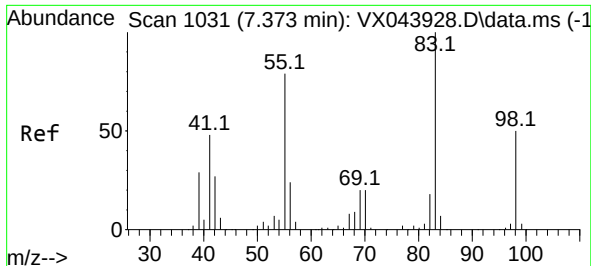
Ion Ratio Lower Upper

117 100

119 89.7 75.2 112.8

121 29.4 24.5 36.7





#39

Methylcyclohexane

Concen: 50.287 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

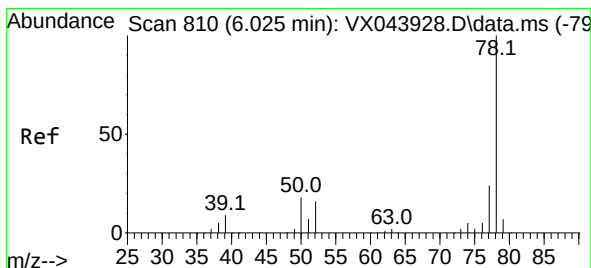
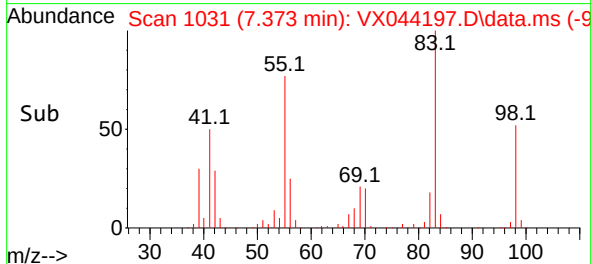
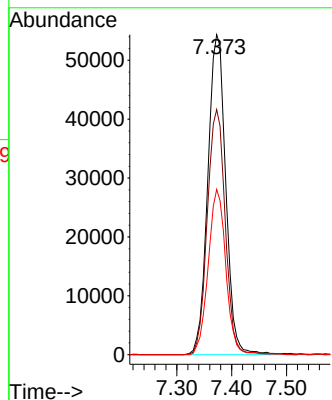
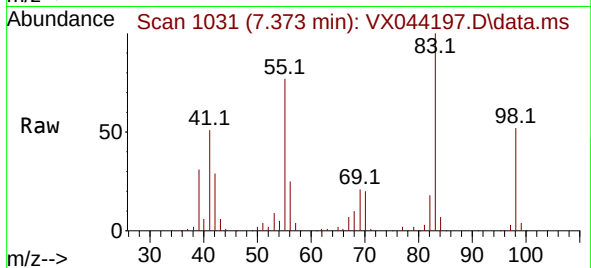
Tgt Ion: 83 Resp: 123359

Ion Ratio Lower Upper

83 100

55 76.6 63.1 94.7

98 51.6 40.0 60.0



#40

Benzene

Concen: 50.434 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044197.D

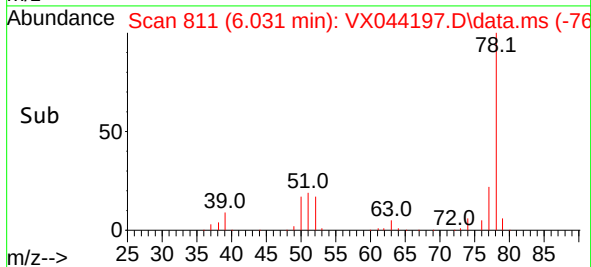
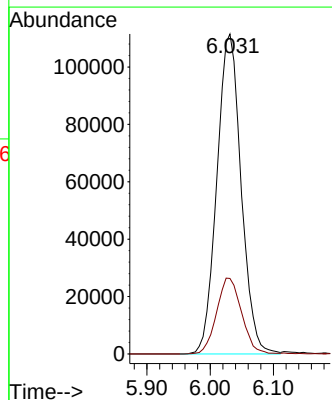
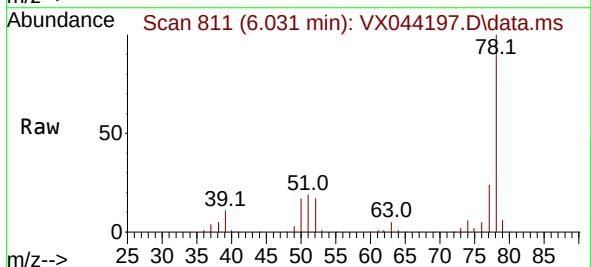
Acq: 10 Dec 2024 10:43

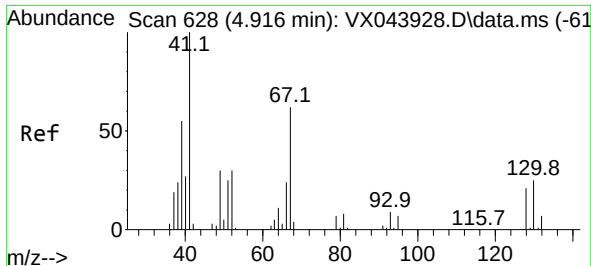
Tgt Ion: 78 Resp: 296645

Ion Ratio Lower Upper

78 100

77 23.6 19.2 28.8



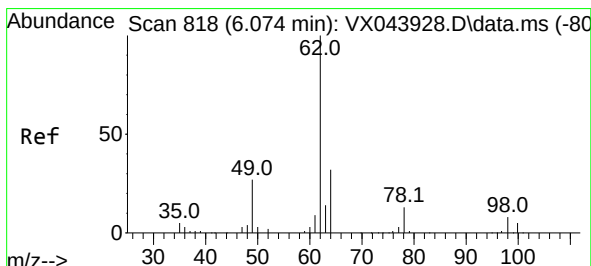
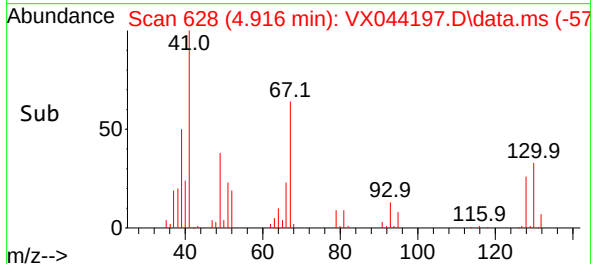
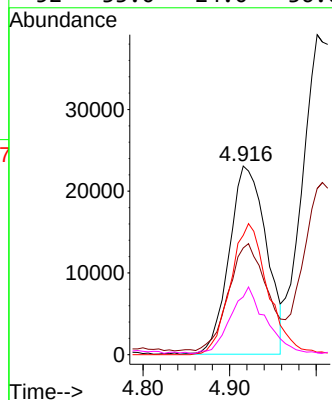
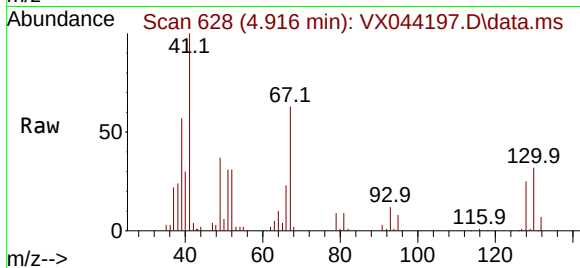


#41
Methacrylonitrile
Concen: 57.147 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 68558

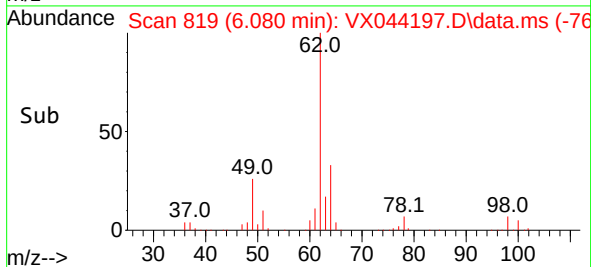
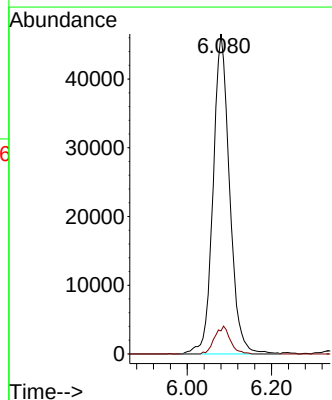
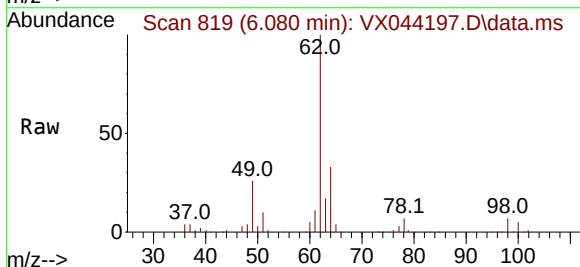
Ion	Ratio	Lower	Upper
41	100		
39	59.9	41.7	62.5
67	71.1	55.8	83.8
52	33.0	24.0	36.0

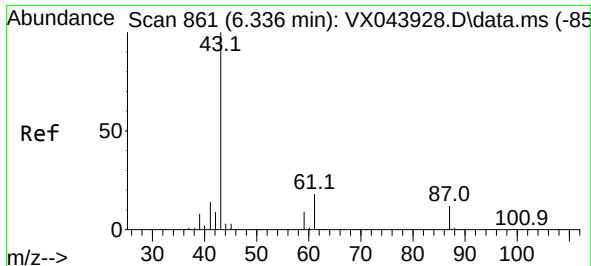


#42
1,2-Dichloroethane
Concen: 53.674 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 62 Resp: 126793

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4

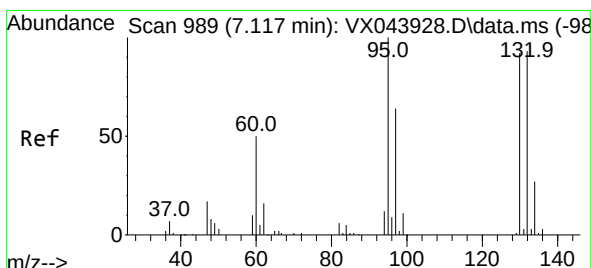
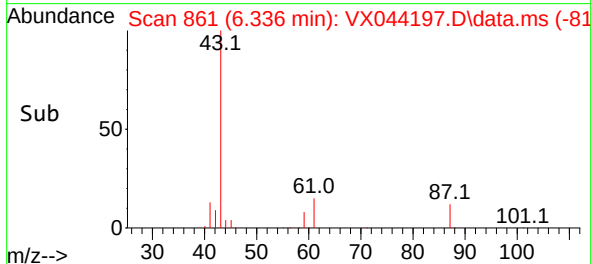
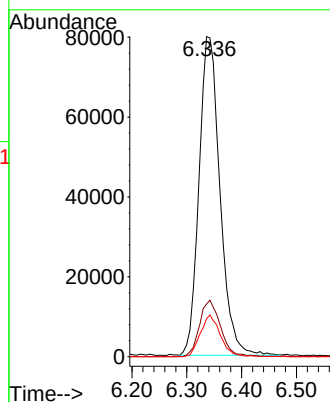
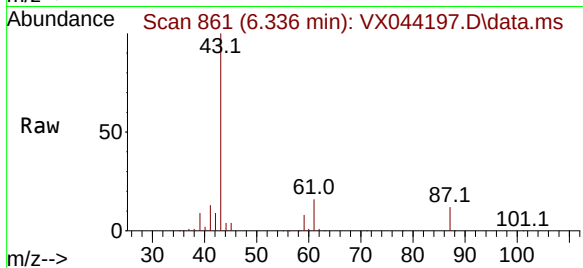




#43
Isopropyl Acetate
Concen: 56.898 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

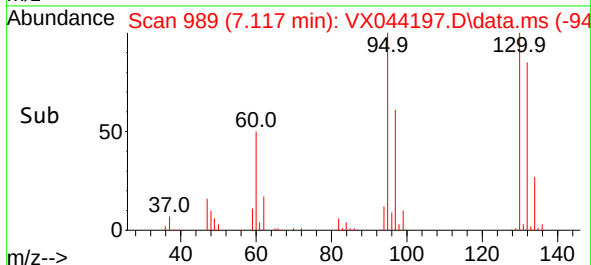
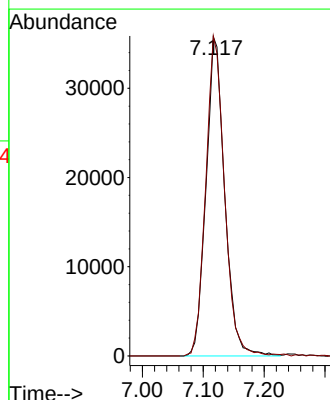
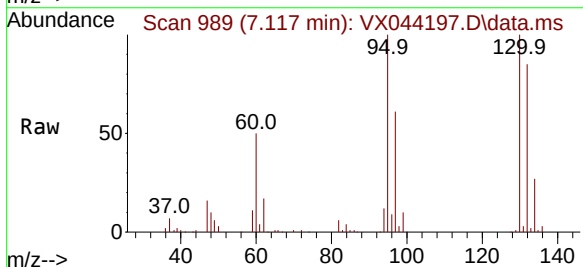
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

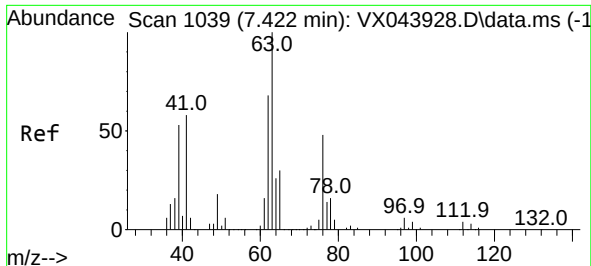
Tgt Ion: 43 Resp: 212244
Ion Ratio Lower Upper
43 100
61 17.8 14.5 21.7
87 12.5 10.2 15.2



#44
Trichloroethene
Concen: 45.635 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:130 Resp: 75985
Ion Ratio Lower Upper
130 100
95 100.3 0.0 217.8





#45

1,2-Dichloropropane

Concen: 53.666 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

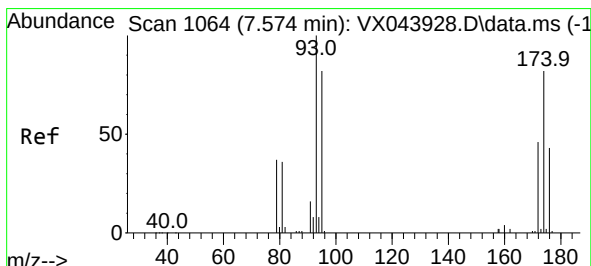
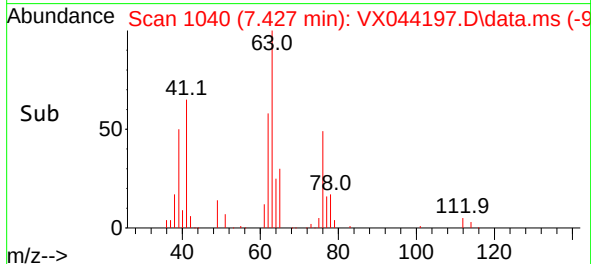
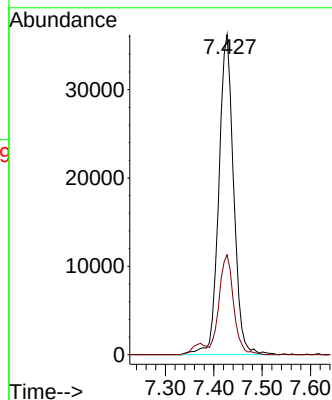
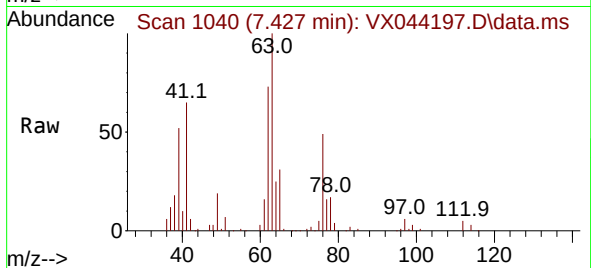
VSTDCCC050

Tgt Ion: 63 Resp: 77311

Ion Ratio Lower Upper

63 100

65 31.2 23.8 35.6



#46

Dibromomethane

Concen: 54.728 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

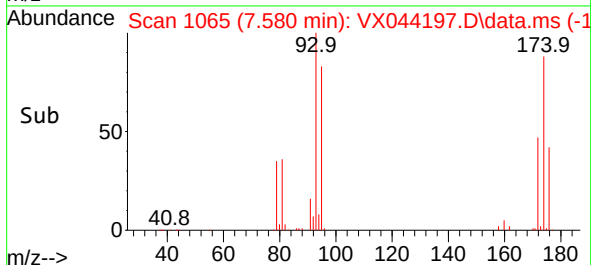
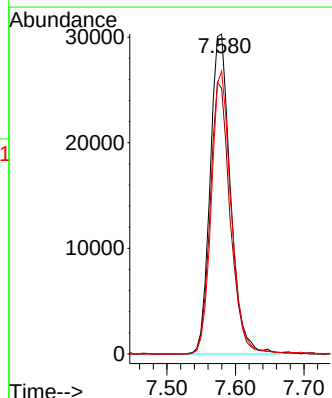
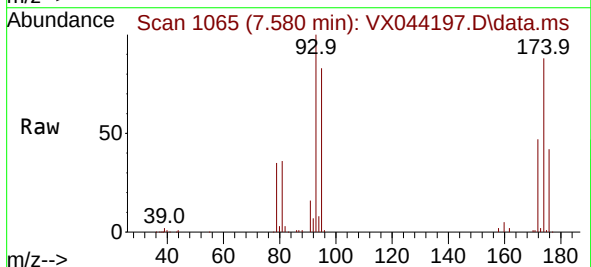
Tgt Ion: 93 Resp: 62367

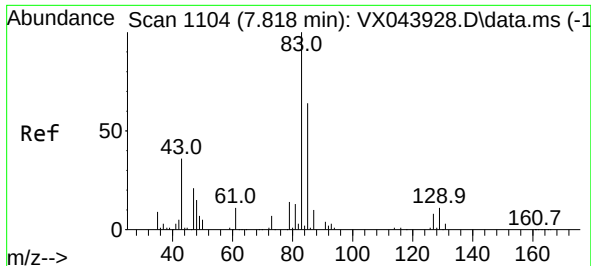
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 86.3 69.6 104.4

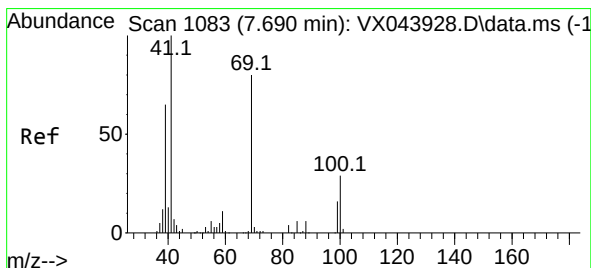
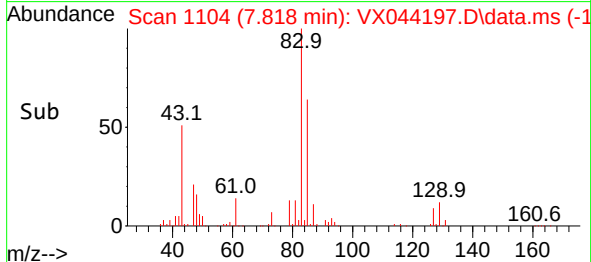
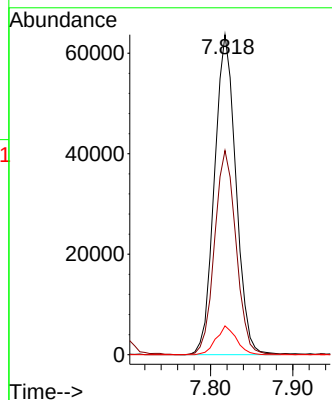
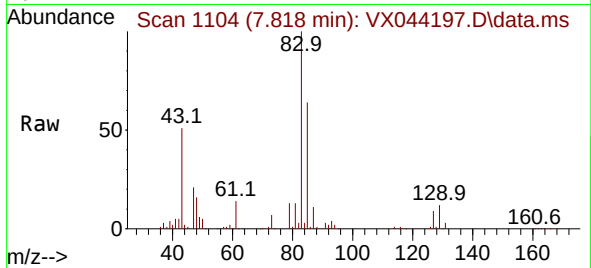




#47
Bromodichloromethane
Concen: 56.513 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

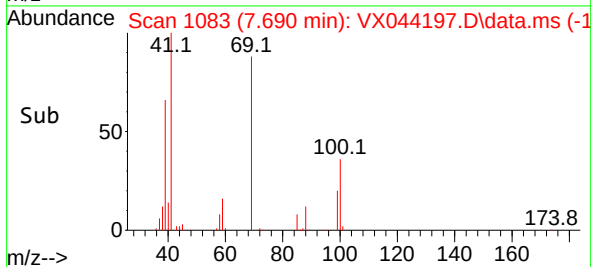
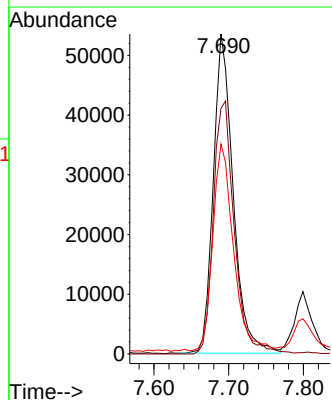
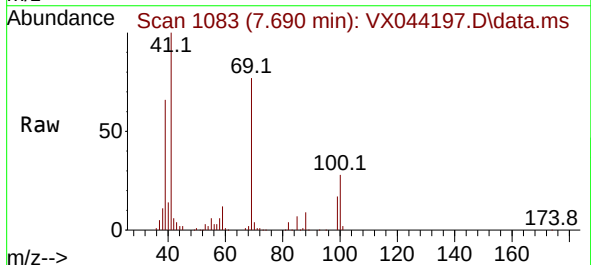
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

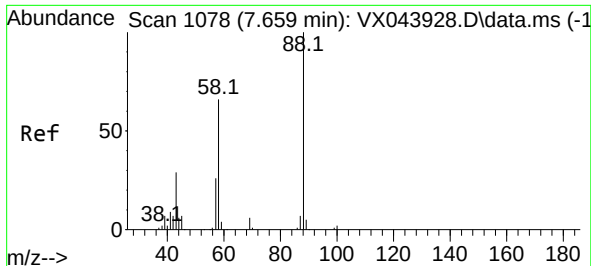
Tgt Ion: 83 Resp: 115501
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.0
127 9.0 6.6 10.0



#48
Methyl methacrylate
Concen: 55.319 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 41 Resp: 99017
Ion Ratio Lower Upper
41 100
69 83.4 64.6 97.0
39 67.0 53.3 79.9





#49

1,4-Dioxane

Concen: 892.162 ug/l

RT: 7.659 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

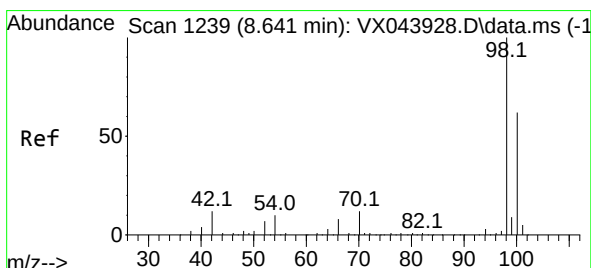
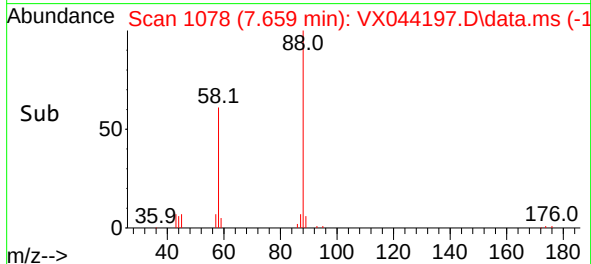
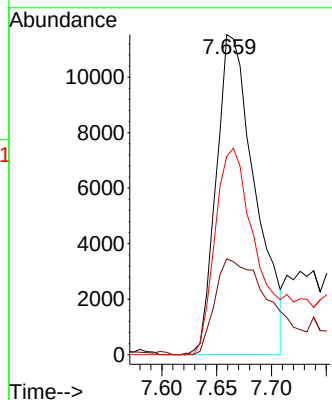
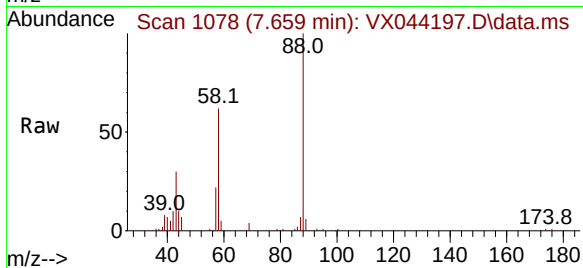
Tgt Ion: 88 Resp: 28446

Ion Ratio Lower Upper

88 100

43 43.1 26.8 40.2#

58 80.2 45.4 68.2#



#50

Toluene-d8

Concen: 51.339 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044197.D

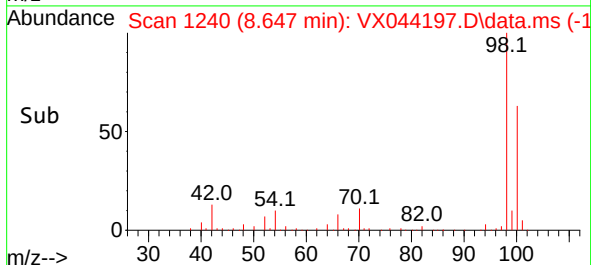
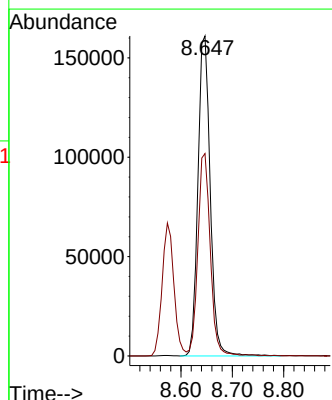
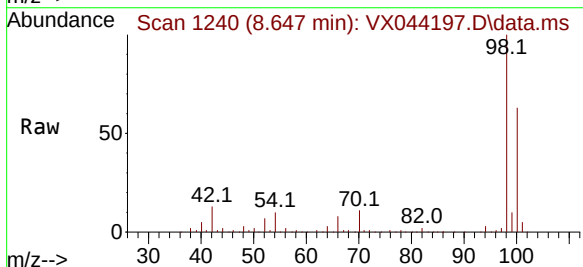
Acq: 10 Dec 2024 10:43

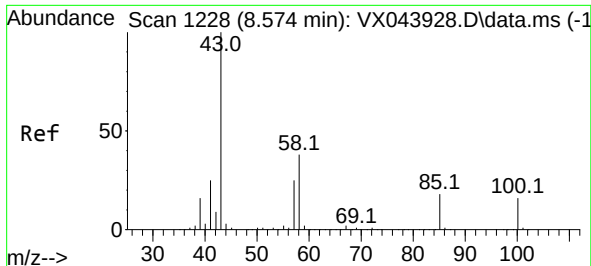
Tgt Ion: 98 Resp: 268167

Ion Ratio Lower Upper

98 100

100 62.8 52.6 79.0

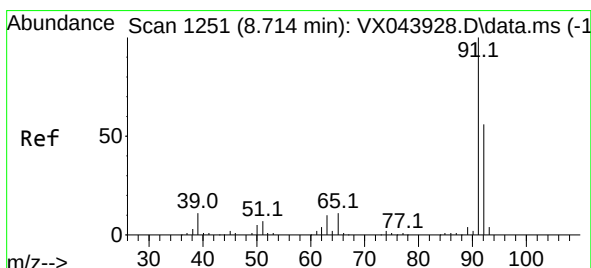
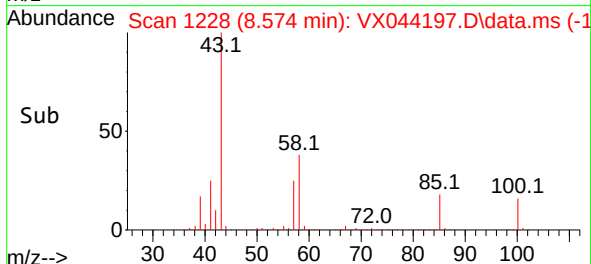
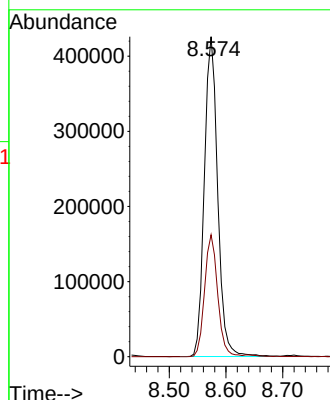
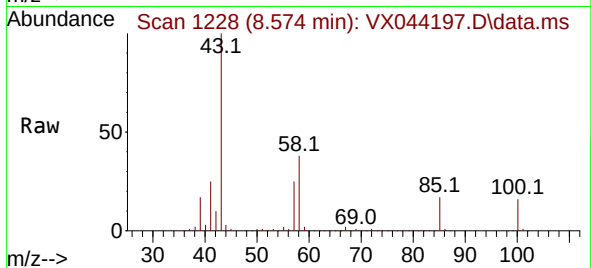




#51
4-Methyl-2-Pentanone
Concen: 305.931 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

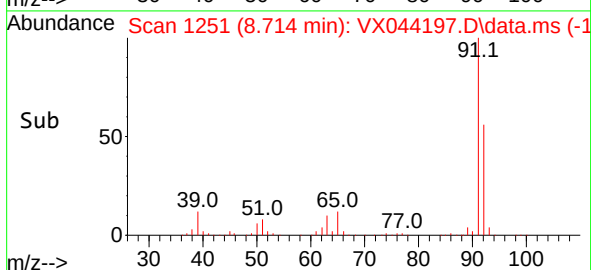
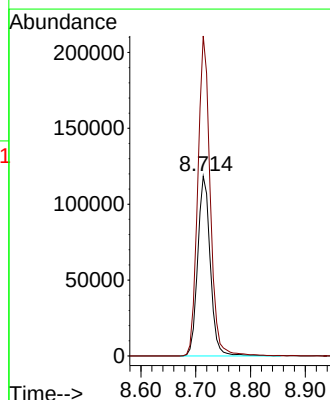
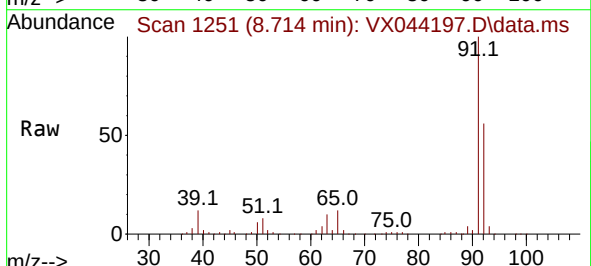
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

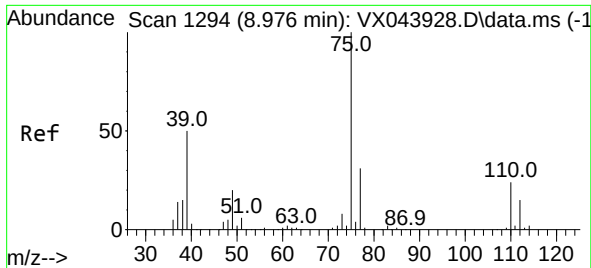
Tgt Ion: 43 Resp: 696425
Ion Ratio Lower Upper
43 100
58 37.2 30.0 45.0



#52
Toluene
Concen: 53.762 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 92 Resp: 189268
Ion Ratio Lower Upper
92 100
91 175.9 139.7 209.5

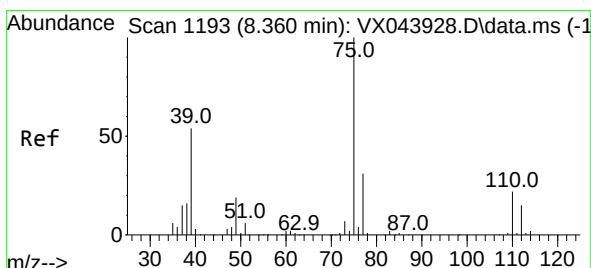
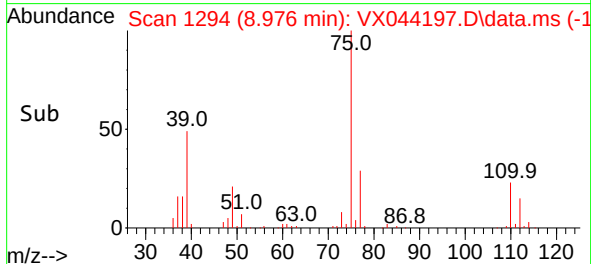
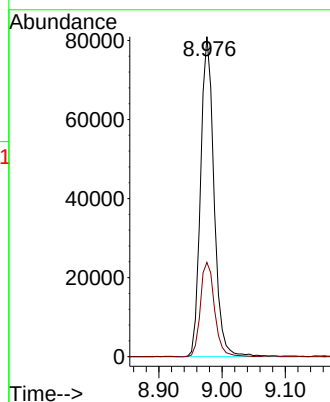
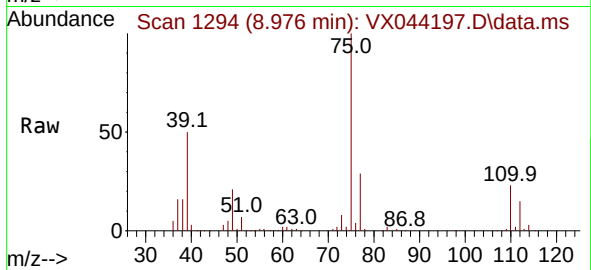




#53
t-1,3-Dichloropropene
Concen: 57.607 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

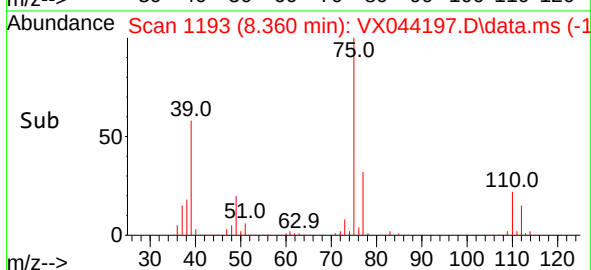
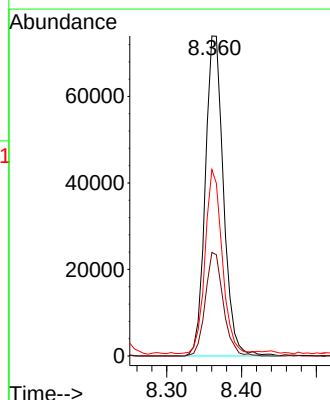
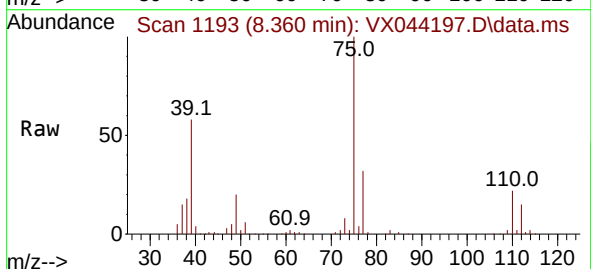
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

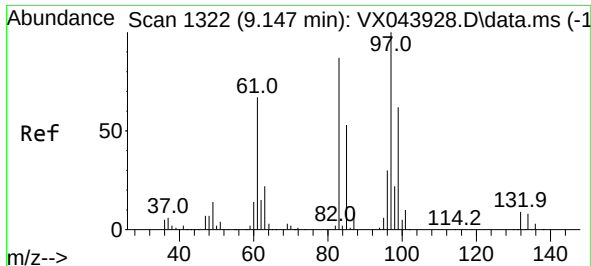
Tgt Ion: 75 Resp: 120064
Ion Ratio Lower Upper
75 100
77 29.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 54.845 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 75 Resp: 125311
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 57.5 43.1 64.7

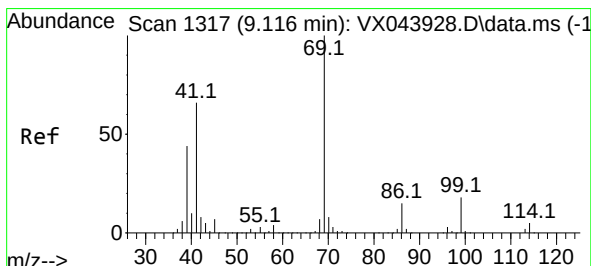
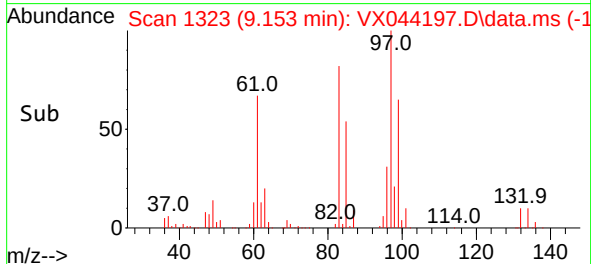
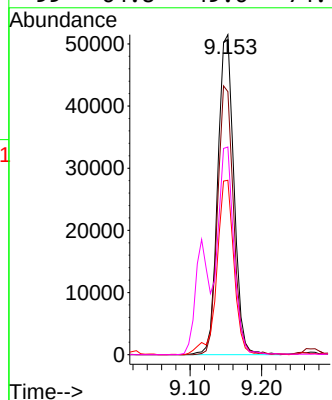
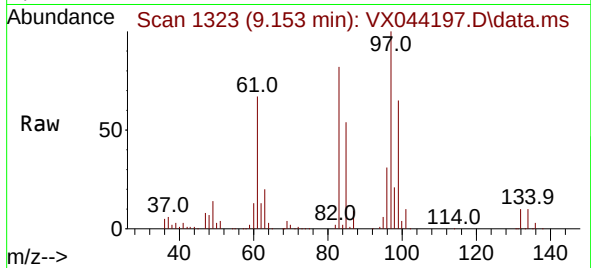




#55
1,1,2-Trichloroethane
Concen: 55.687 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

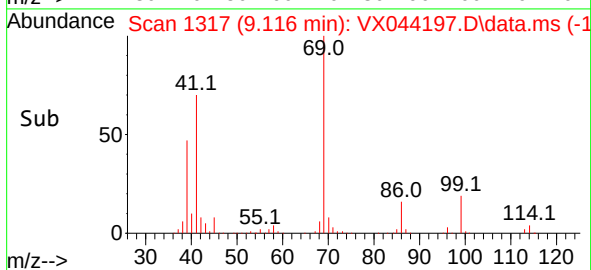
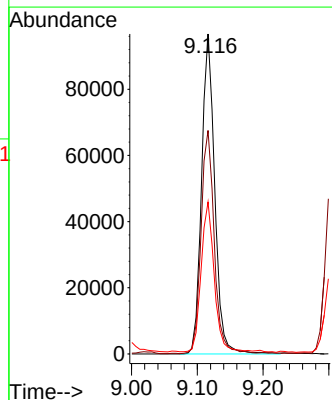
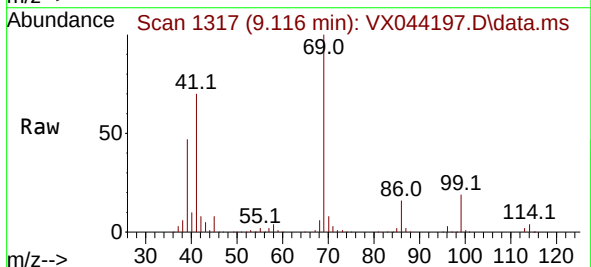
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

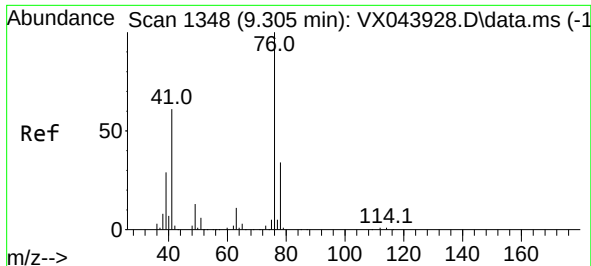
Tgt Ion: 97	Resp: 80926
Ion Ratio	Lower Upper
97 100	
83 82.2	69.4 104.0
85 54.5	42.3 63.5
99 64.8	49.6 74.4



#56
Ethyl methacrylate
Concen: 59.532 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 69	Resp: 134754
Ion Ratio	Lower Upper
69 100	
41 70.2	55.8 83.8
39 46.2	36.7 55.1

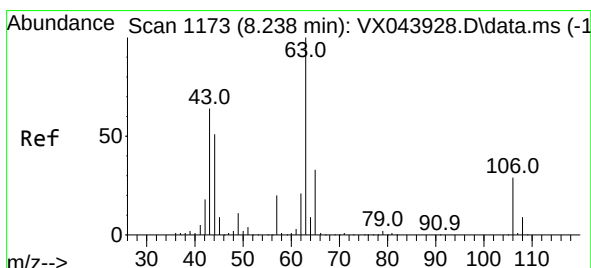
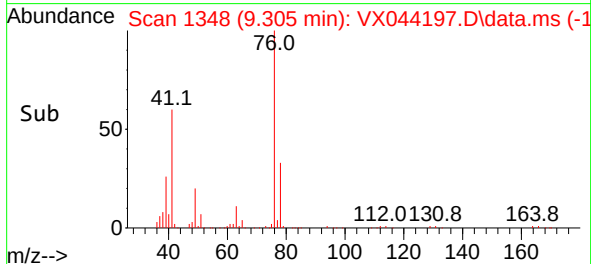
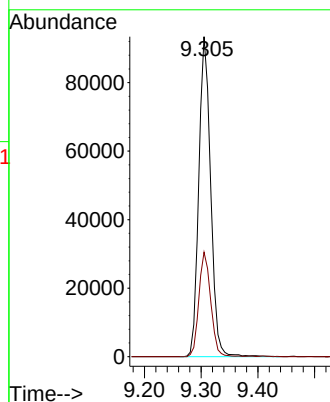
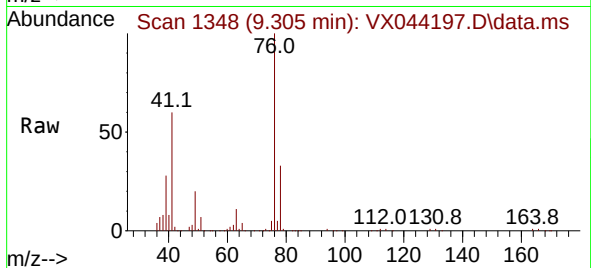




#57
1,3-Dichloropropane
Concen: 55.393 ug/l
RT: 9.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

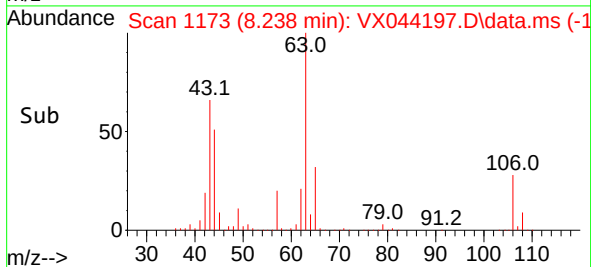
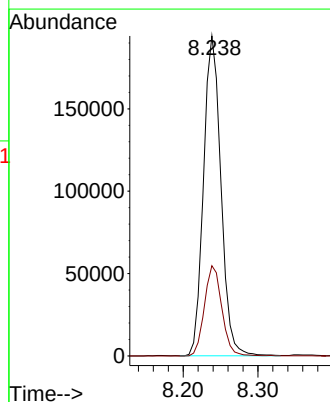
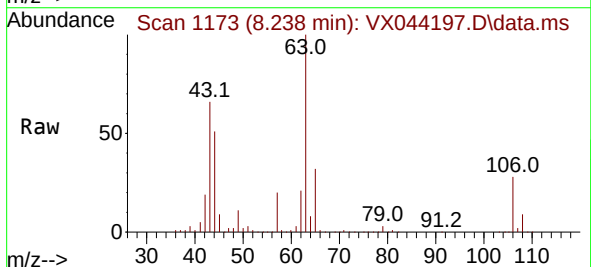
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

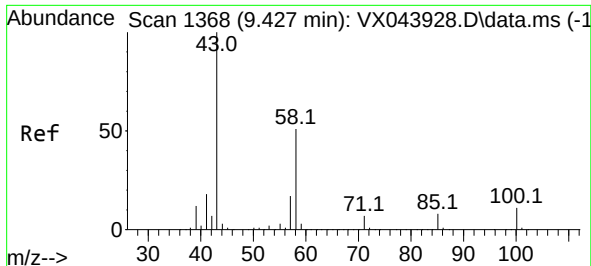
Tgt Ion: 76 Resp: 135605
Ion Ratio Lower Upper
76 100
78 32.6 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 253.403 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 63 Resp: 314332
Ion Ratio Lower Upper
63 100
106 28.3 23.0 34.6





#59

2-Hexanone

Concen: 319.041 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

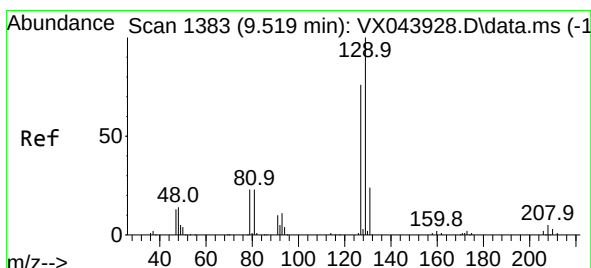
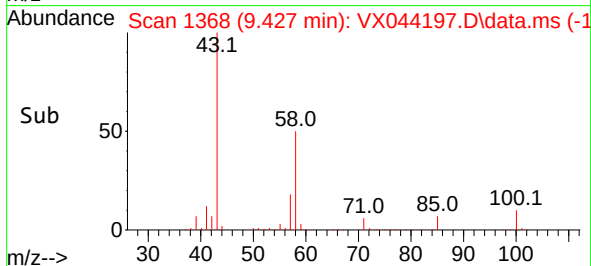
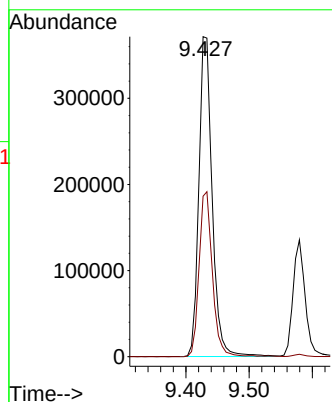
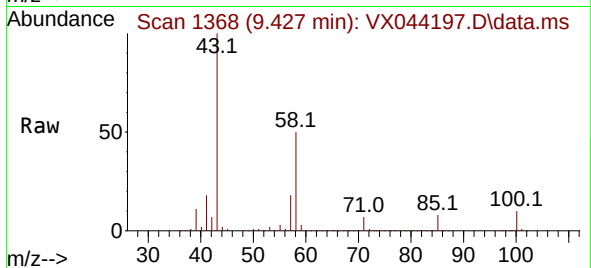
VSTDCCC050

Tgt Ion: 43 Resp: 545883

Ion Ratio Lower Upper

43 100

58 51.7 25.9 77.6



#60

Dibromochloromethane

Concen: 58.369 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044197.D

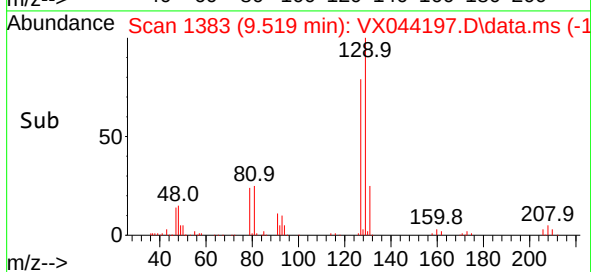
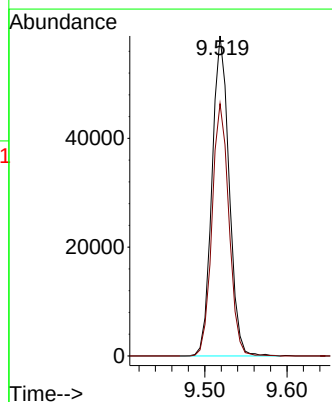
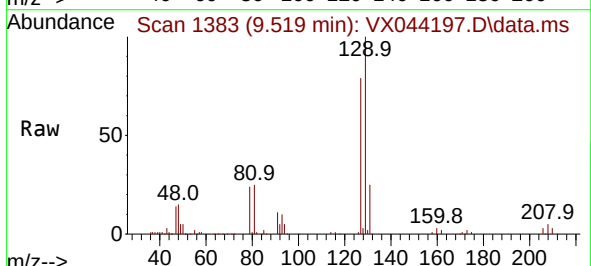
Acq: 10 Dec 2024 10:43

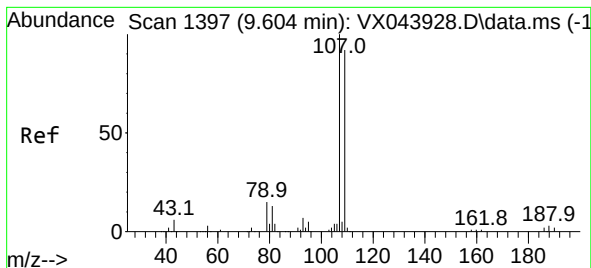
Tgt Ion: 129 Resp: 85107

Ion Ratio Lower Upper

129 100

127 77.7 38.2 114.6

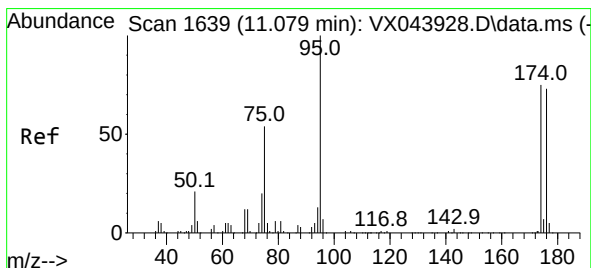
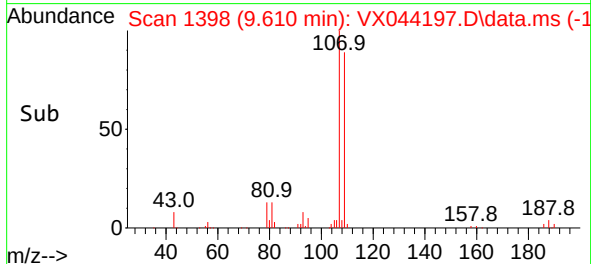
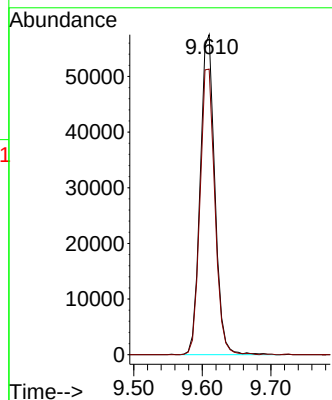
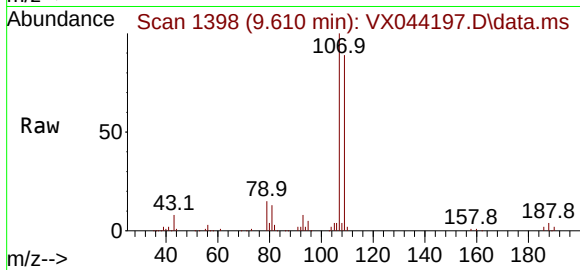




#61
1,2-Dibromoethane
Concen: 58.300 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

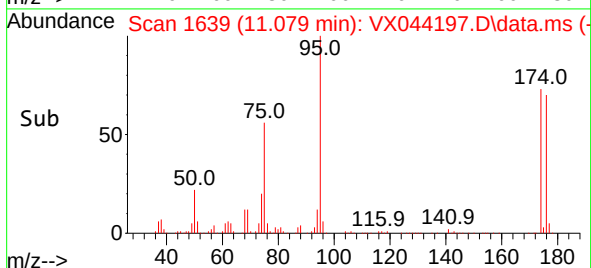
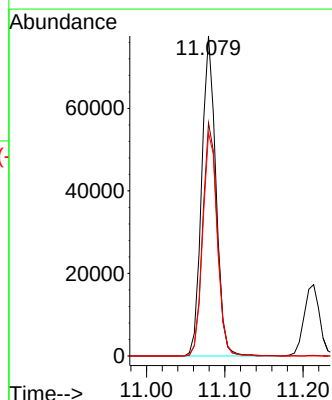
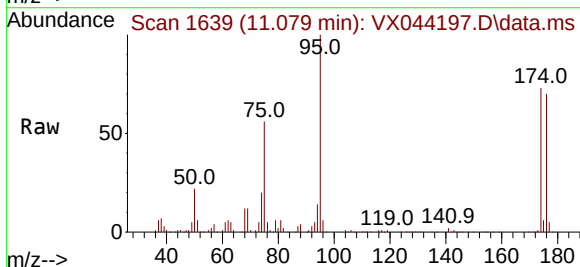
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

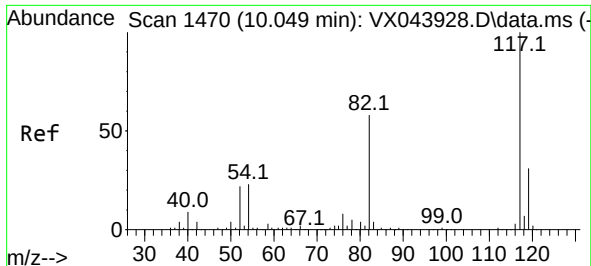
Tgt Ion:107 Resp: 85669
Ion Ratio Lower Upper
107 100
109 90.4 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 54.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 95 Resp: 97578
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.4
176 71.4 0.0 146.0

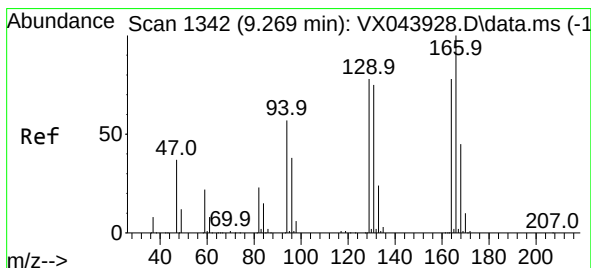
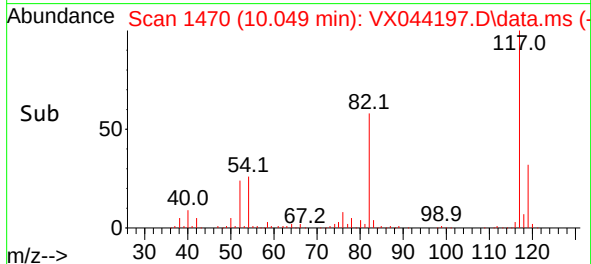
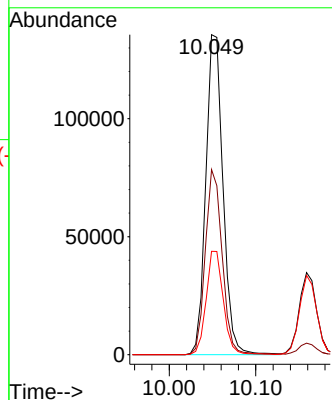
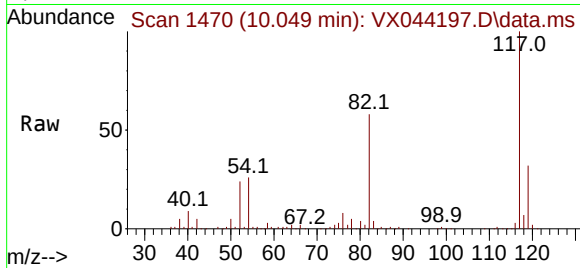




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

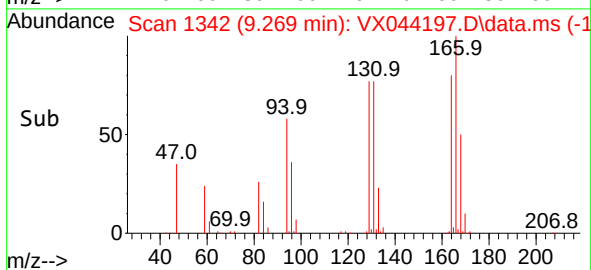
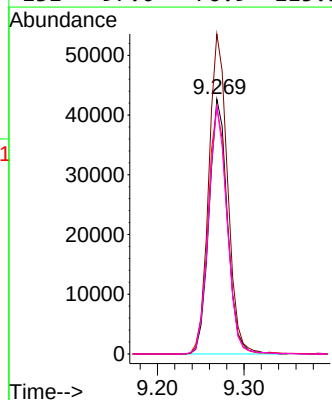
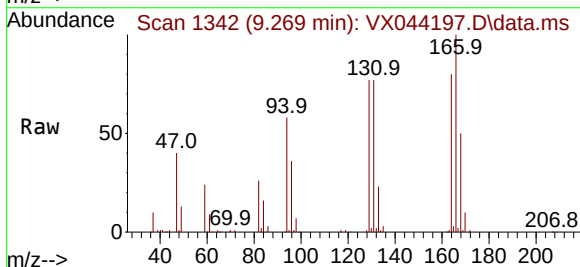
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

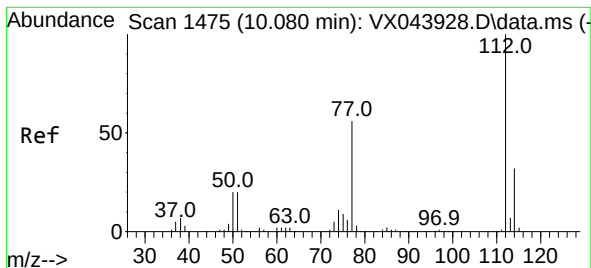
Tgt Ion:117 Resp: 187191
Ion Ratio Lower Upper
117 100
82 57.9 46.4 69.6
119 32.3 24.6 37.0



#64
Tetrachloroethene
Concen: 51.016 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:164 Resp: 62970
Ion Ratio Lower Upper
164 100
166 125.6 102.1 153.1
129 97.1 79.6 119.4
131 97.0 76.9 115.3

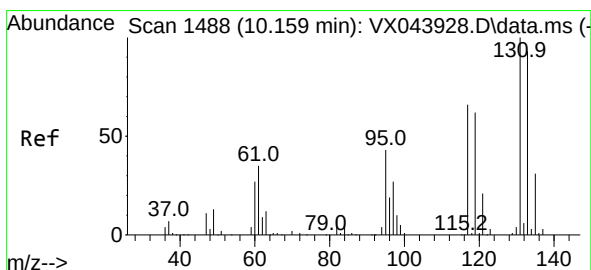
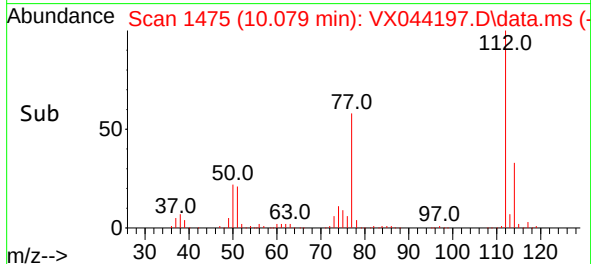
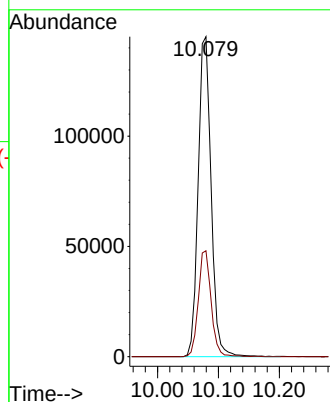
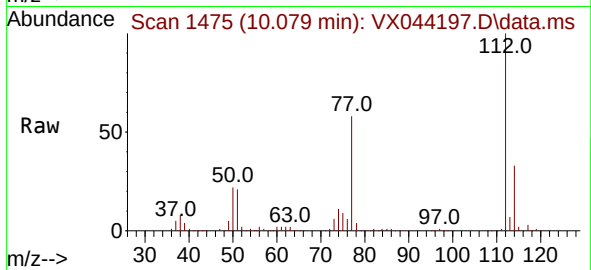




#65
Chlorobenzene
Concen: 52.077 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

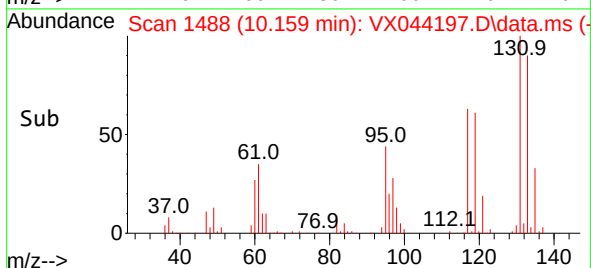
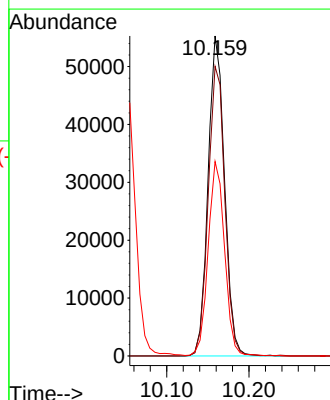
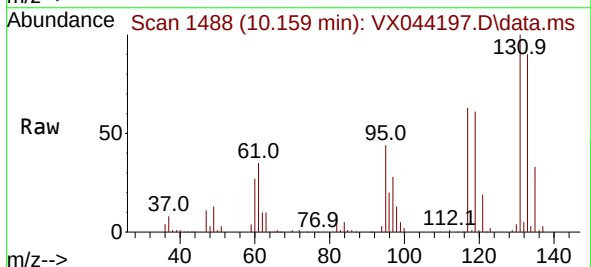
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

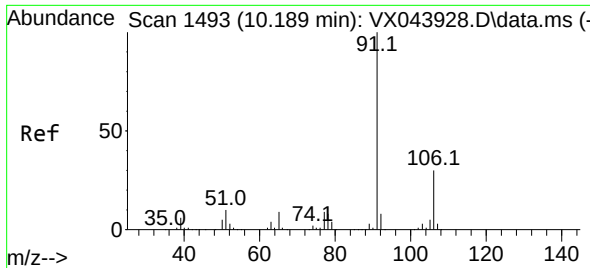
Tgt Ion:112 Resp: 214102
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 57.592 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:131 Resp: 76789
Ion Ratio Lower Upper
131 100
133 91.8 48.2 144.6
119 60.9 31.5 94.5

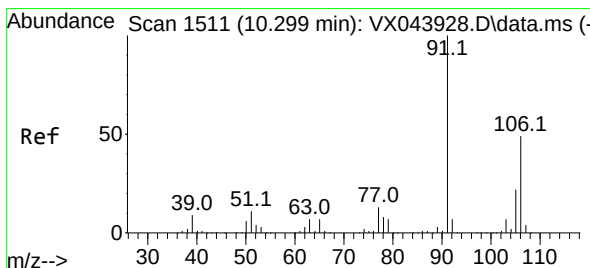
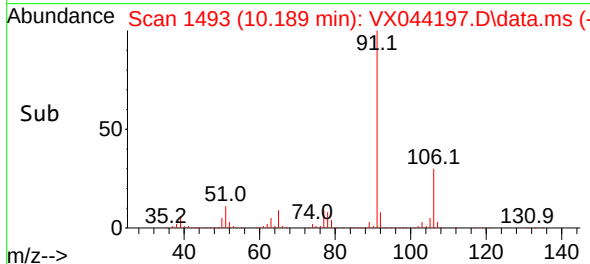
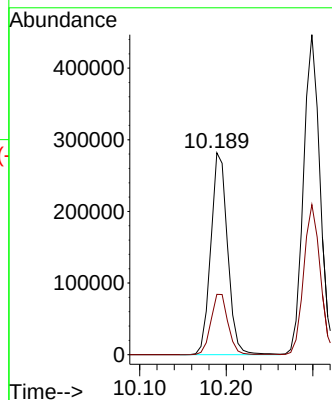
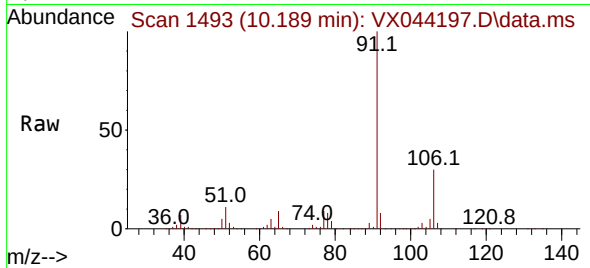




#67
Ethyl Benzene
Concen: 54.326 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

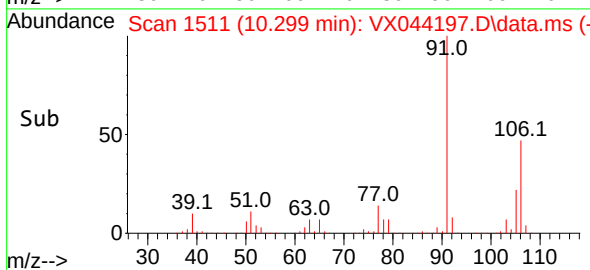
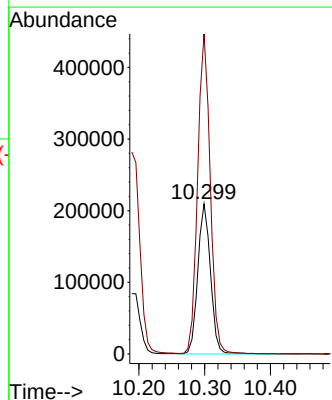
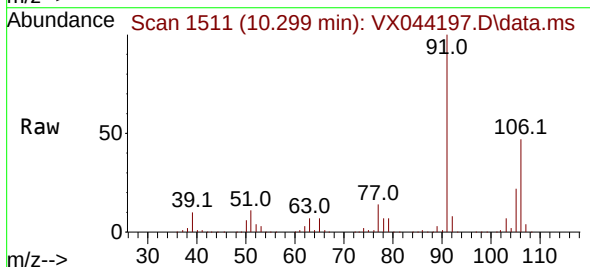
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

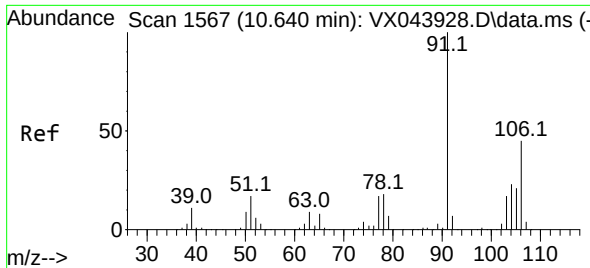
Tgt Ion: 91 Resp: 378463
Ion Ratio Lower Upper
91 100
106 29.9 23.6 35.4



#68
m/p-Xylenes
Concen: 108.164 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 106 Resp: 281005
Ion Ratio Lower Upper
106 100
91 211.7 168.1 252.1

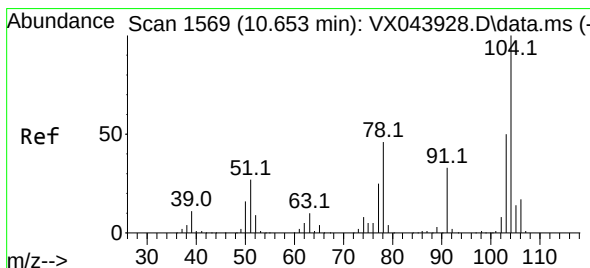
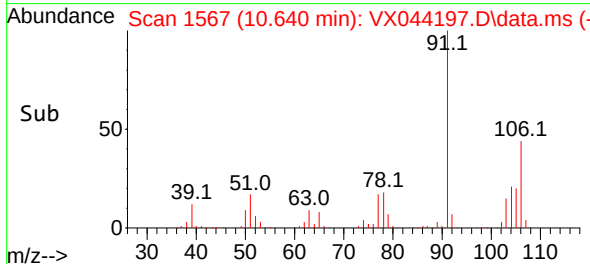
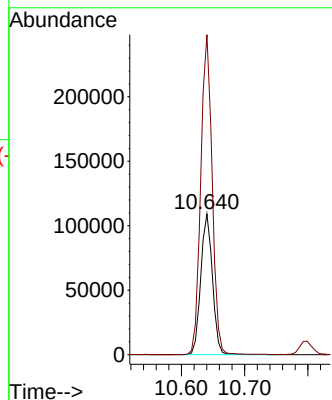
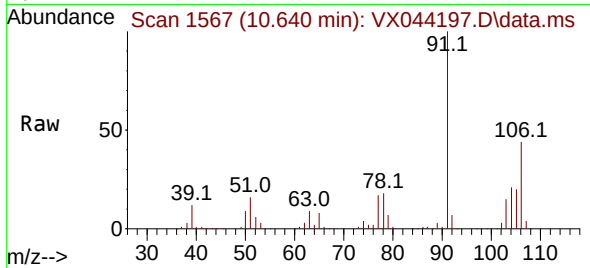




#69
o-Xylene
Concen: 55.165 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

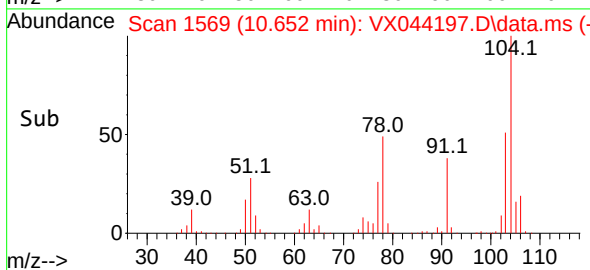
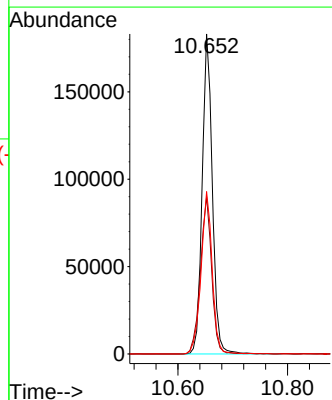
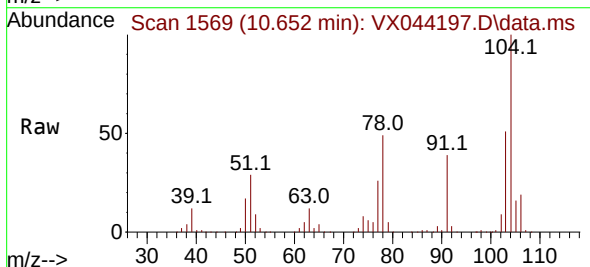
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

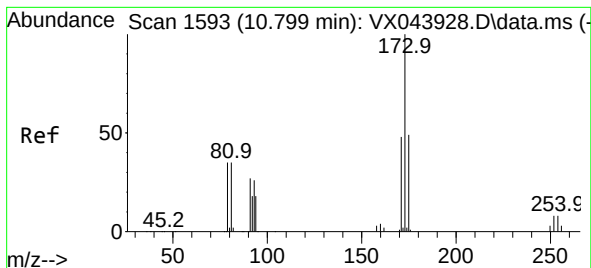
Tgt Ion:106 Resp: 139928
Ion Ratio Lower Upper
106 100
91 223.7 110.2 330.6



#70
Styrene
Concen: 56.223 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:104 Resp: 235876
Ion Ratio Lower Upper
104 100
78 54.6 42.2 63.2
103 55.6 44.7 67.1





#71

Bromoform

Concen: 52.273 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

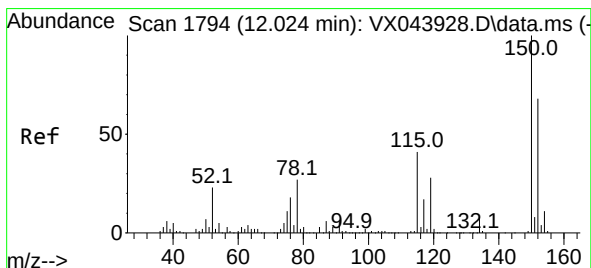
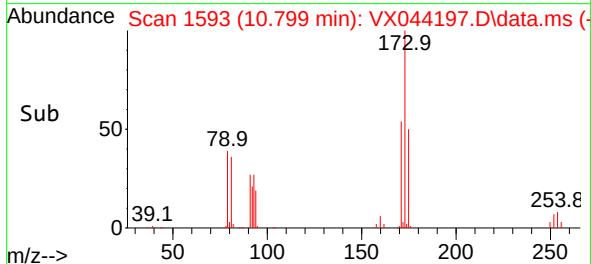
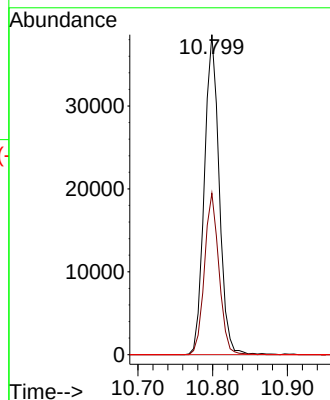
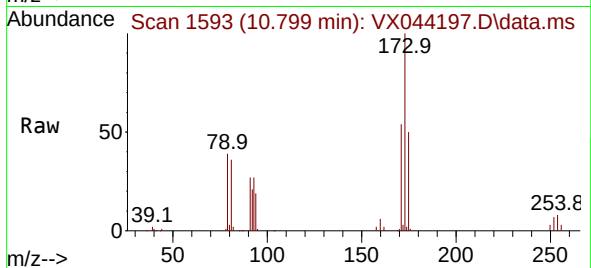
Tgt Ion:173 Resp: 53151

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

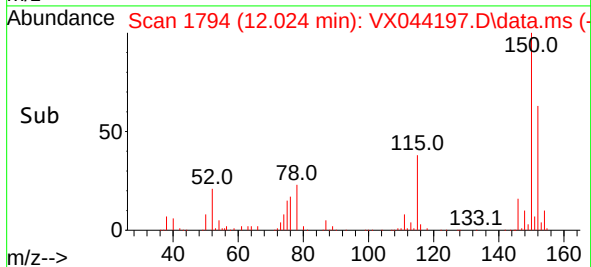
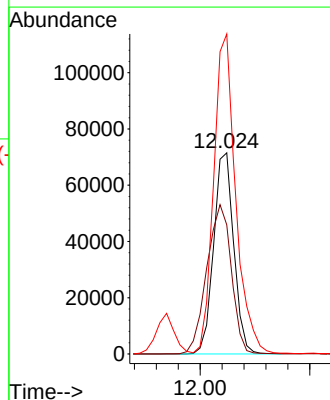
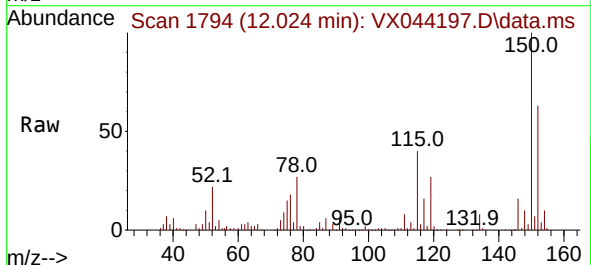
Tgt Ion:152 Resp: 91127

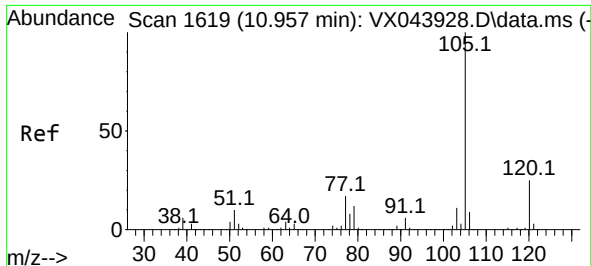
Ion Ratio Lower Upper

152 100

115 90.8 45.4 136.2

150 173.5 0.0 353.0

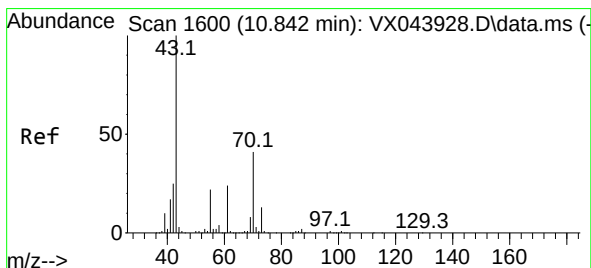
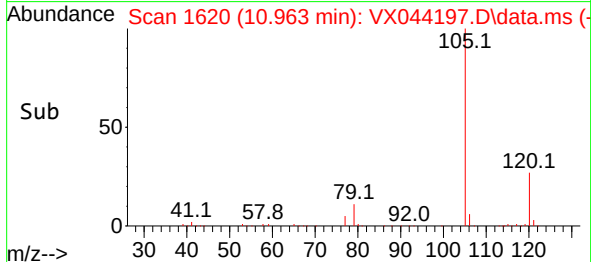
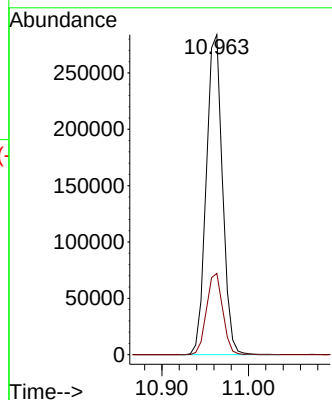
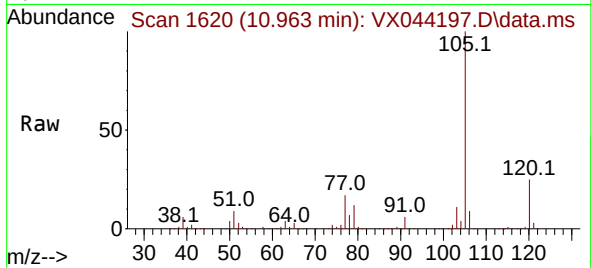




#73
Isopropylbenzene
Concen: 52.666 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

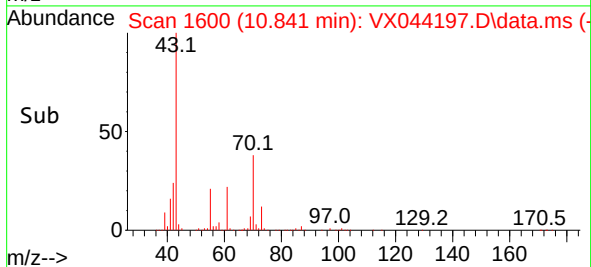
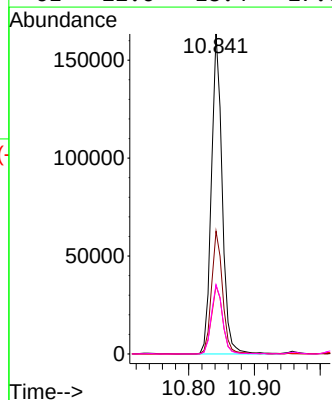
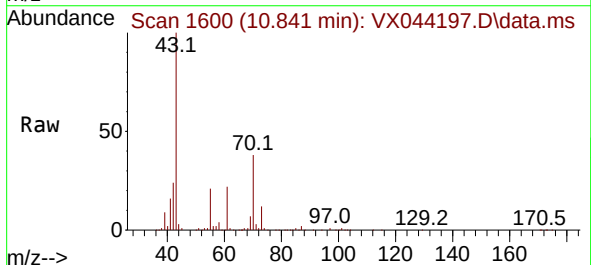
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

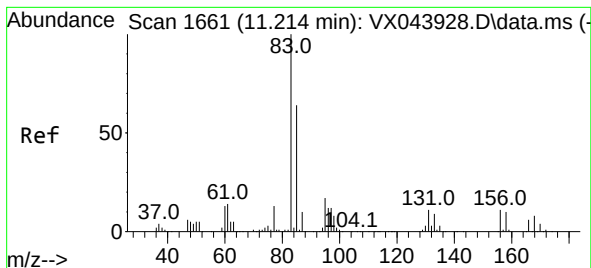
Tgt Ion:105 Resp: 368919
Ion Ratio Lower Upper
105 100
120 25.5 13.0 38.9



#74
N-ethyl acetate
Concen: 57.486 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 43 Resp: 186542
Ion Ratio Lower Upper
43 100
70 39.3 32.2 48.2
55 22.3 18.1 27.1
61 22.6 18.4 27.6

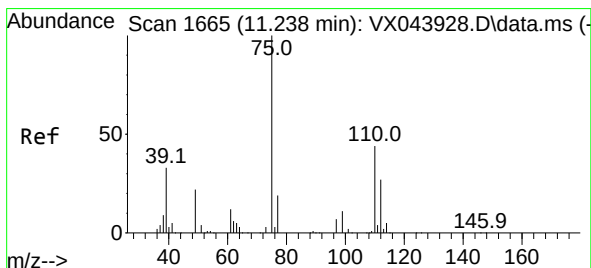
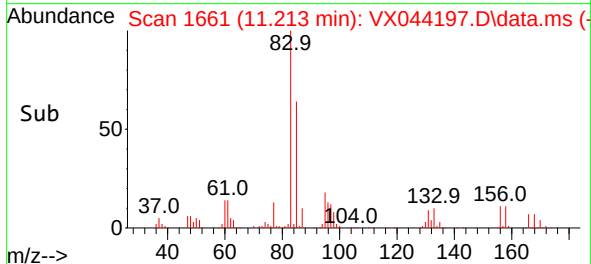
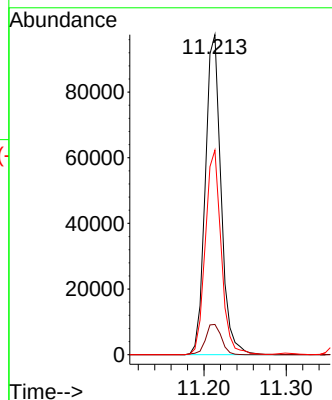
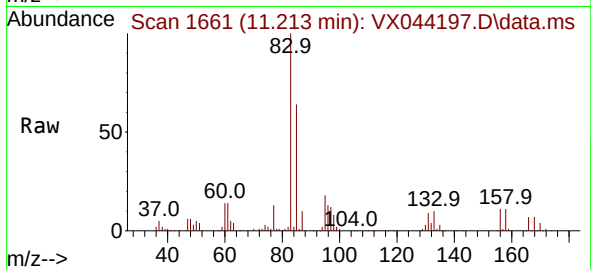




#75
1,1,2,2-Tetrachloroethane
Concen: 54.025 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

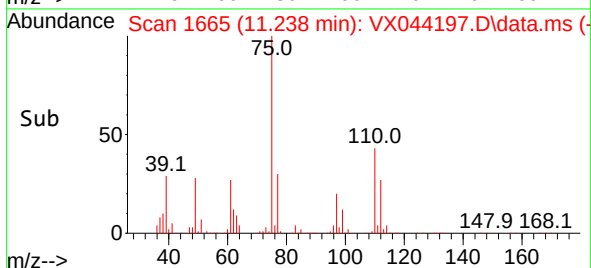
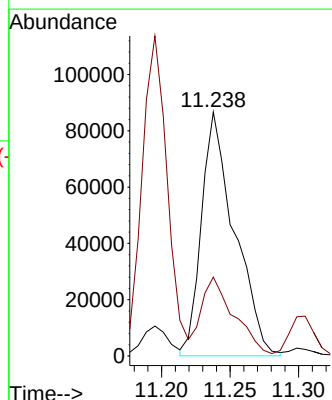
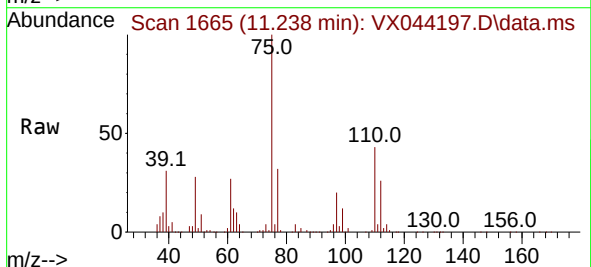
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

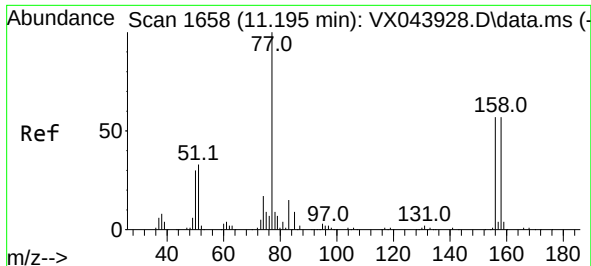
Tgt Ion: 83 Resp: 129580
Ion Ratio Lower Upper
83 100
131 9.6 5.1 15.2
85 64.6 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 72.957 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 75 Resp: 145797
Ion Ratio Lower Upper
75 100
77 32.3 21.8 65.3

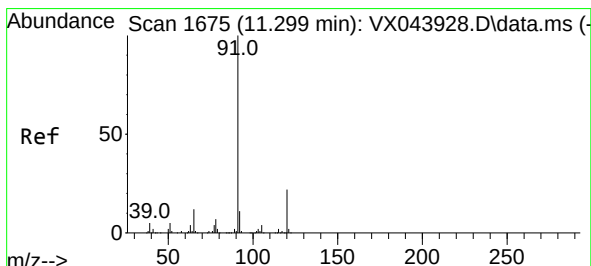
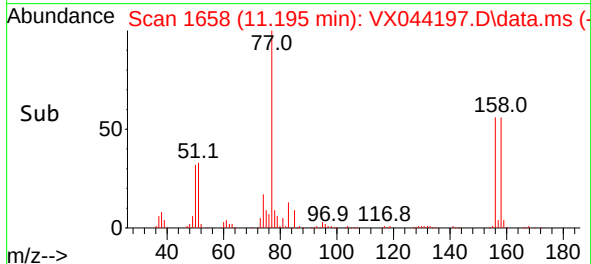
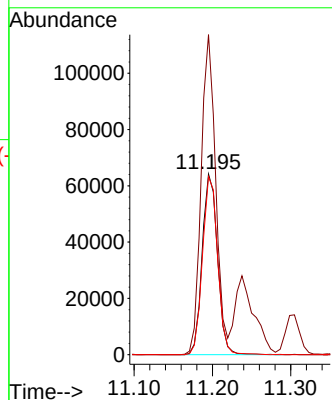
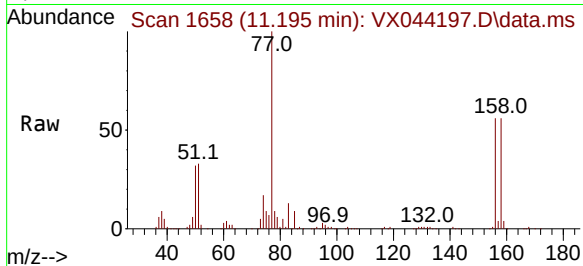




#77
Bromobenzene
Concen: 52.056 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

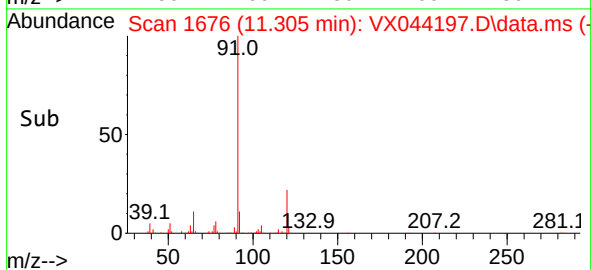
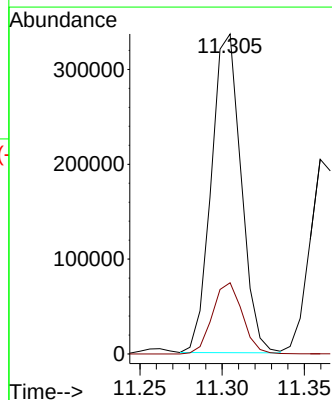
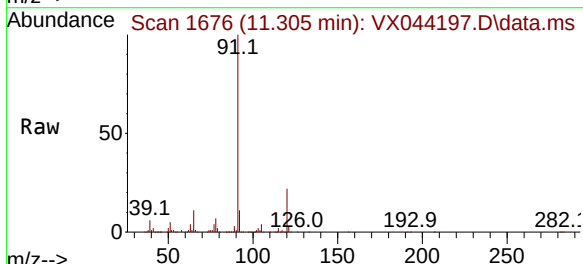
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

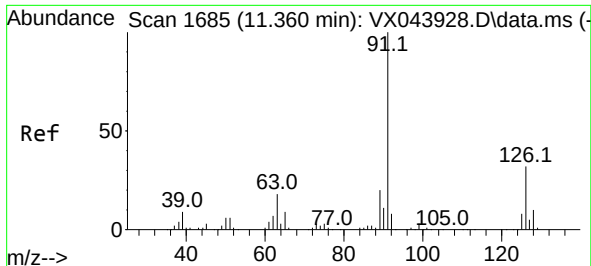
Tgt Ion:156 Resp: 86985
Ion Ratio Lower Upper
156 100
77 168.5 83.4 250.1
158 97.6 47.6 142.8



#78
n-propylbenzene
Concen: 54.176 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 91 Resp: 423839
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 52.453 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

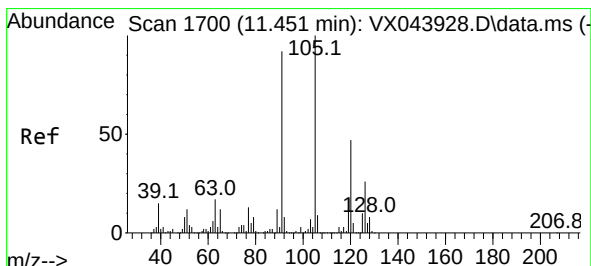
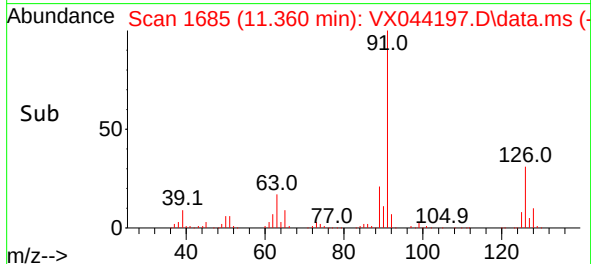
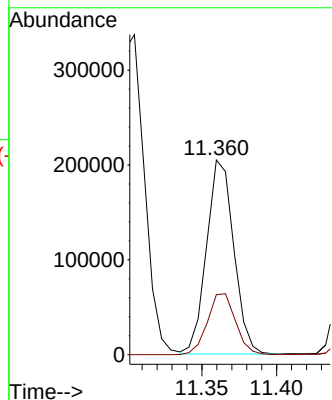
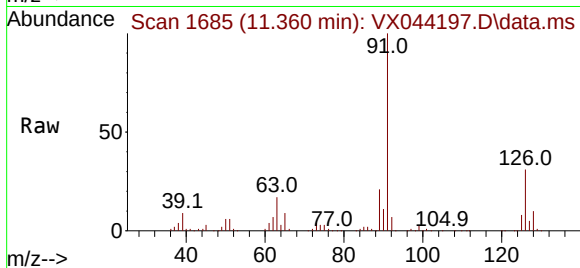
VSTDCCC050

Tgt Ion: 91 Resp: 259490

Ion Ratio Lower Upper

91 100

126 32.6 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 53.818 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044197.D

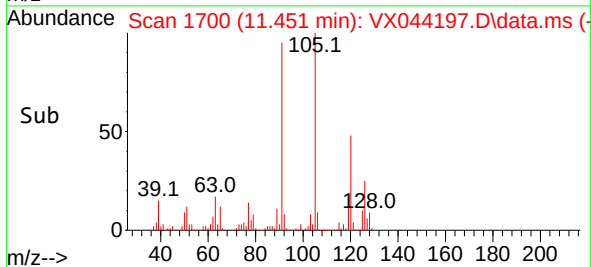
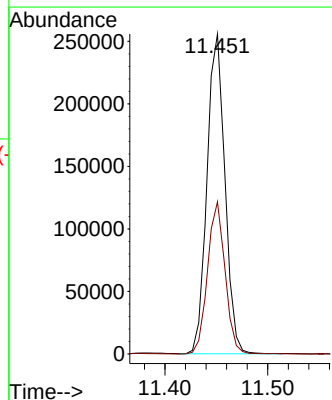
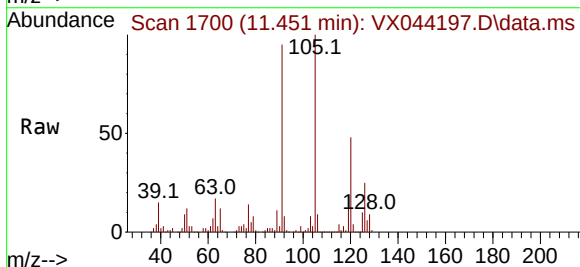
Acq: 10 Dec 2024 10:43

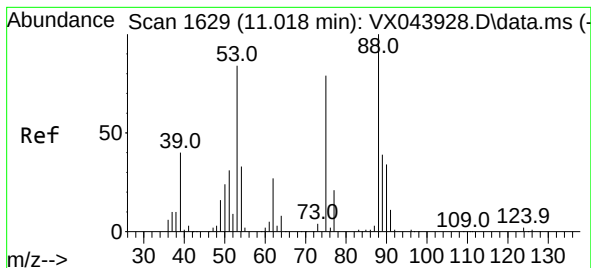
Tgt Ion: 105 Resp: 310149

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.8

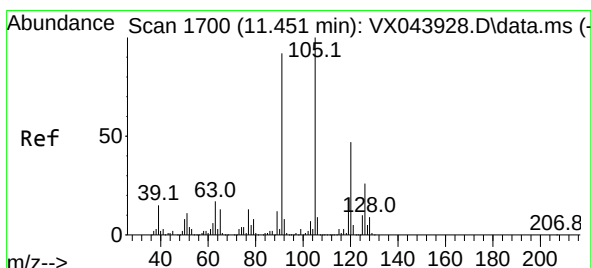
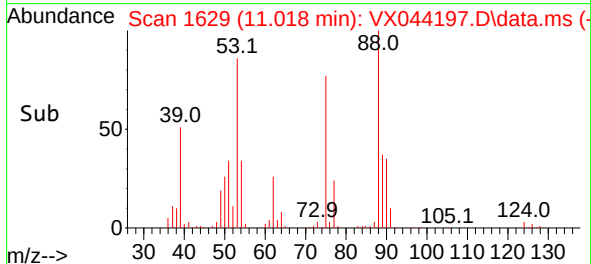
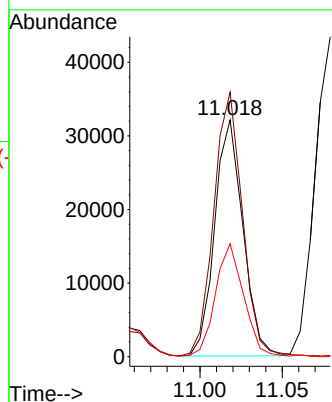
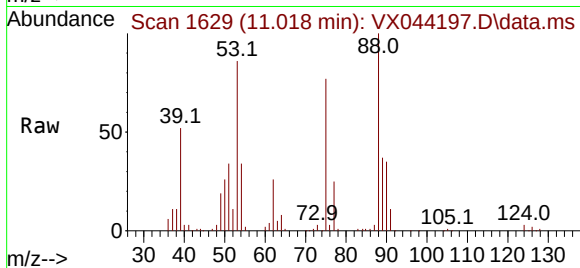




#81
trans-1,4-Dichloro-2-butene
Concen: 52.317 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

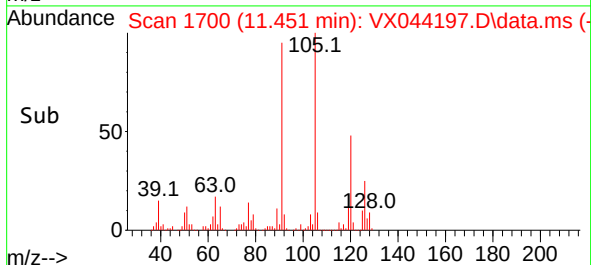
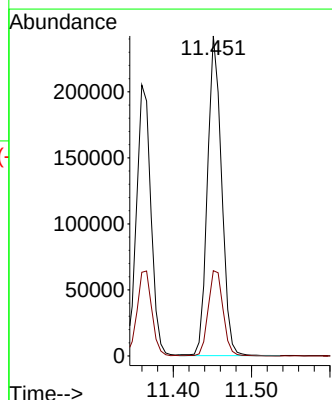
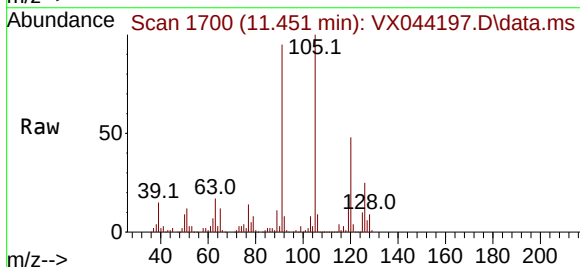
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

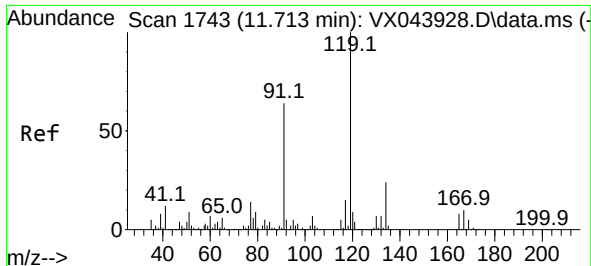
Tgt Ion: 75 Resp: 38314
Ion Ratio Lower Upper
75 100
53 113.2 86.7 130.1
89 48.3 38.2 57.2



#82
4-Chlorotoluene
Concen: 54.037 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion: 91 Resp: 301801
Ion Ratio Lower Upper
91 100
126 28.1 14.3 42.9

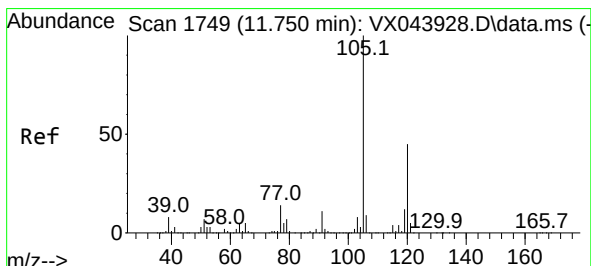
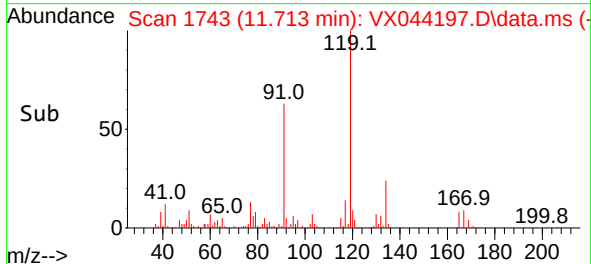
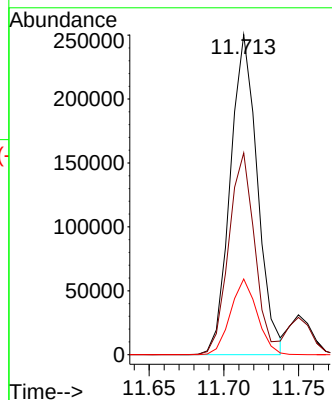
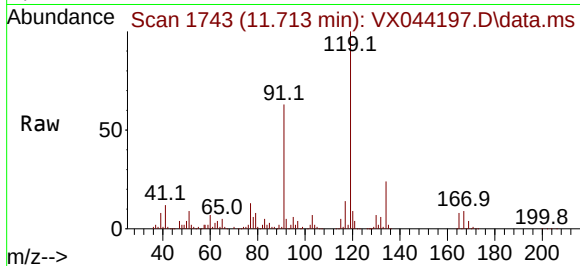




#83
tert-Butylbenzene
Concen: 55.384 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

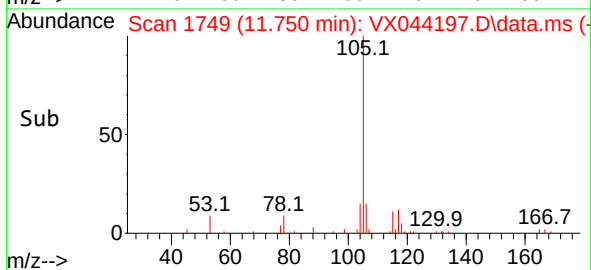
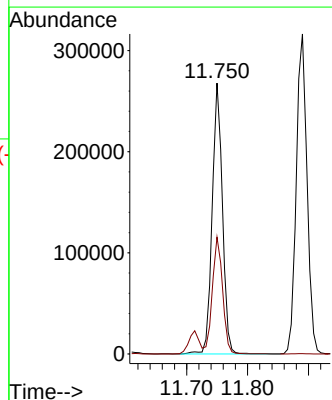
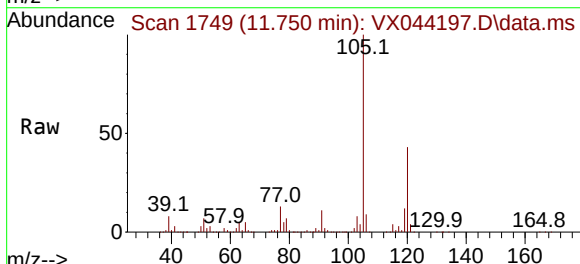
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

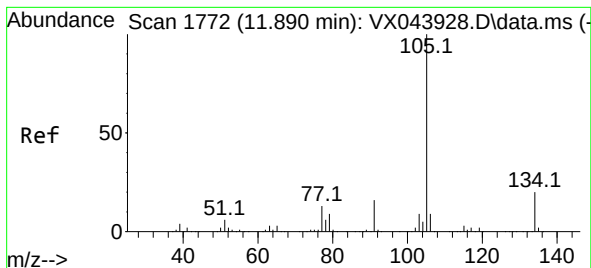
Tgt Ion:119 Resp: 316356
Ion Ratio Lower Upper
119 100
91 61.2 31.0 93.0
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 54.591 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion:105 Resp: 313218
Ion Ratio Lower Upper
105 100
120 43.1 21.9 65.7

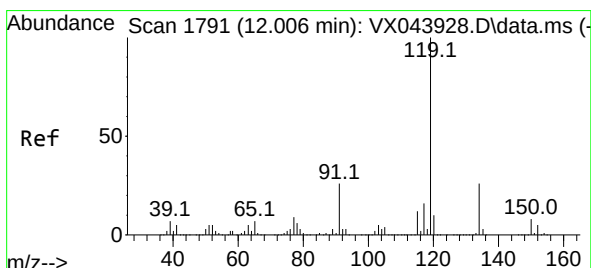
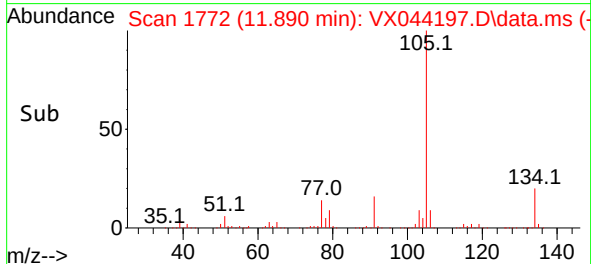
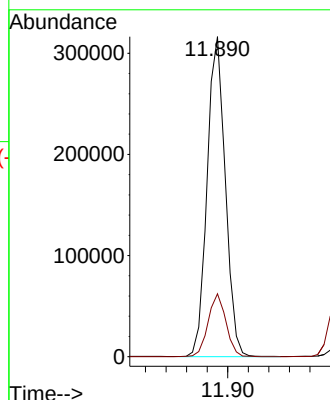
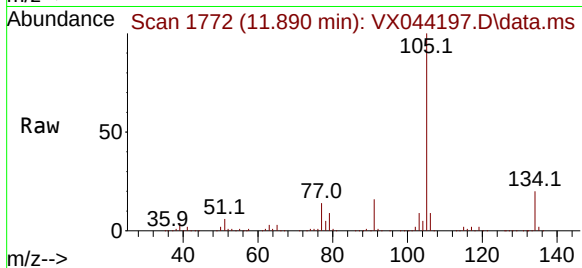




#85
 sec-Butylbenzene
 Concen: 55.564 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

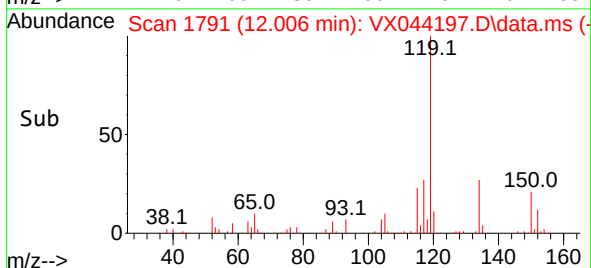
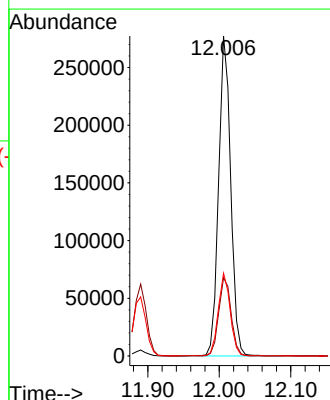
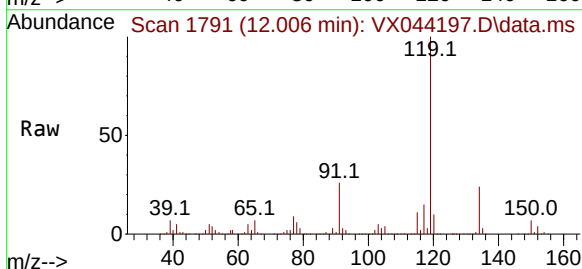
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

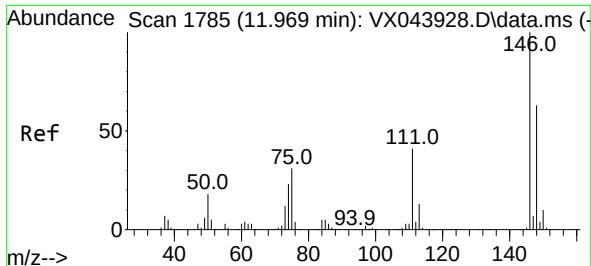
Tgt Ion:105 Resp: 388872
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 57.182 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX044197.D
 Acq: 10 Dec 2024 10:43

Tgt Ion:119 Resp: 325073
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 38.9
 91 25.5 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 52.521 ug/l

RT: 11.969 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

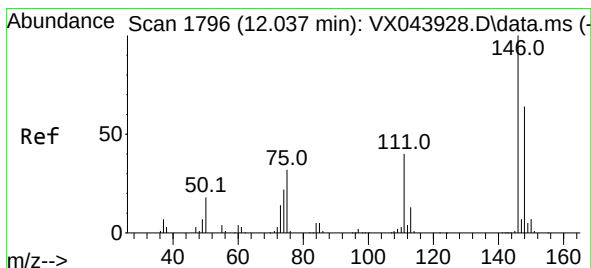
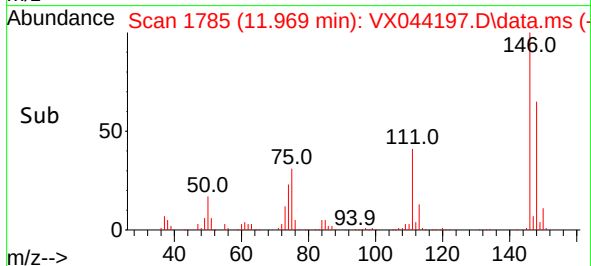
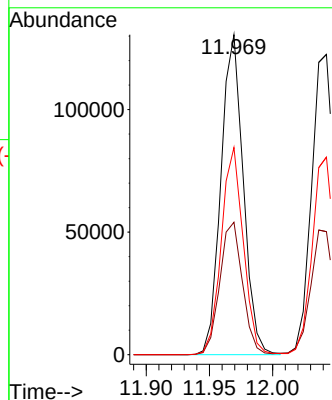
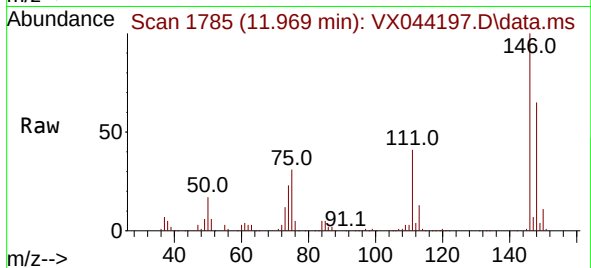
Tgt Ion:146 Resp: 159843

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.3

148 64.0 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 51.665 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

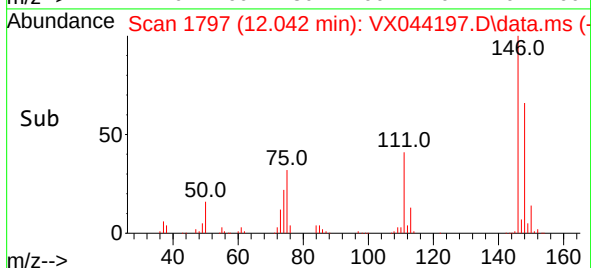
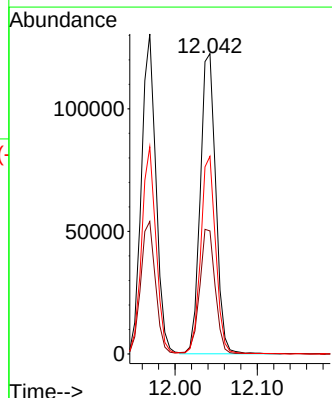
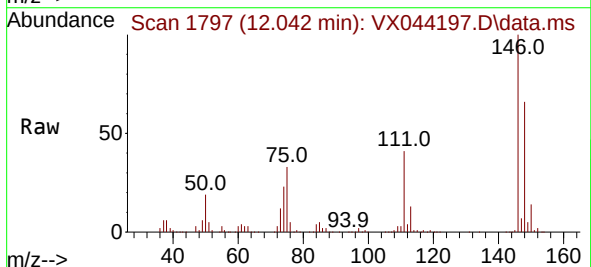
Tgt Ion:146 Resp: 160310

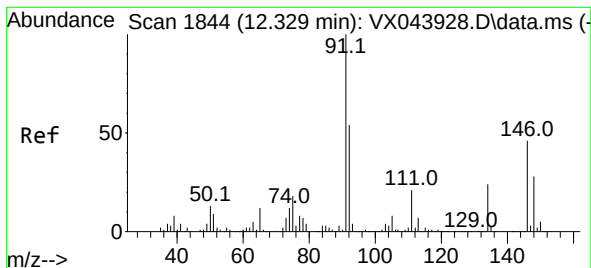
Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

148 64.1 30.9 92.8





#89

n-Butylbenzene

Concen: 56.576 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

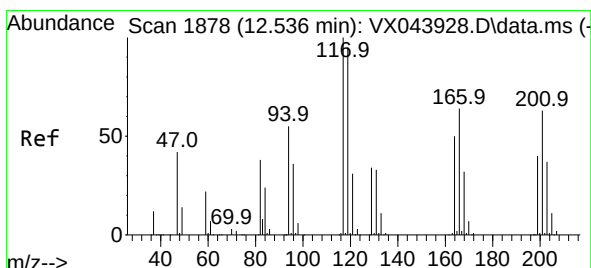
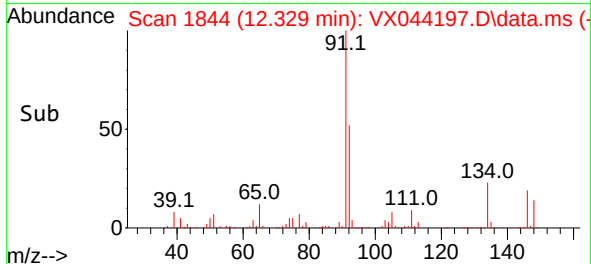
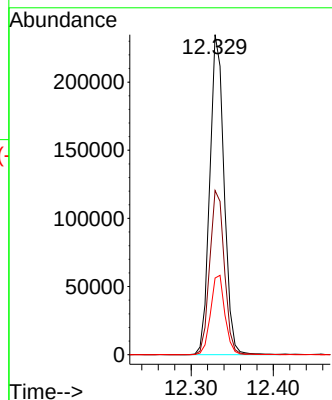
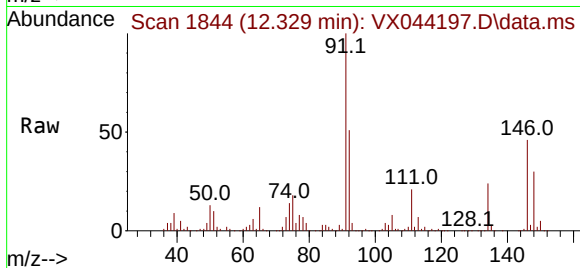
Tgt Ion: 91 Resp: 283567

Ion Ratio Lower Upper

91 100

92 52.5 26.6 79.8

134 25.0 12.4 37.2



#90

Hexachloroethane

Concen: 52.654 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044197.D

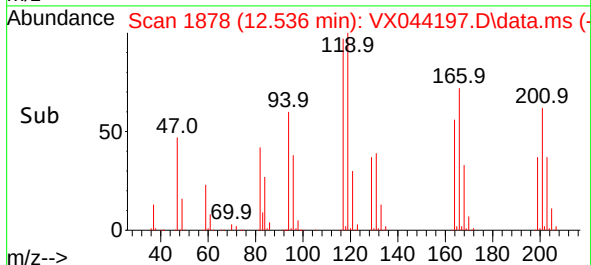
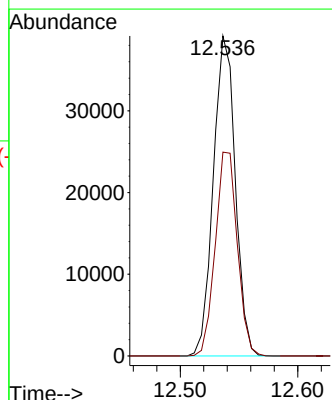
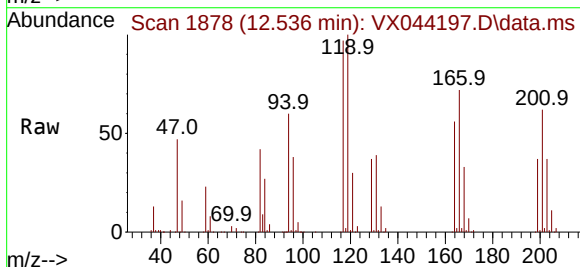
Acq: 10 Dec 2024 10:43

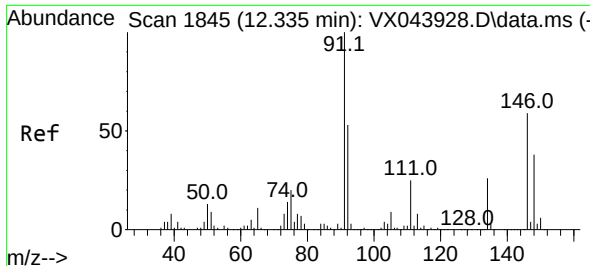
Tgt Ion: 117 Resp: 50899

Ion Ratio Lower Upper

117 100

201 64.1 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 53.506 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

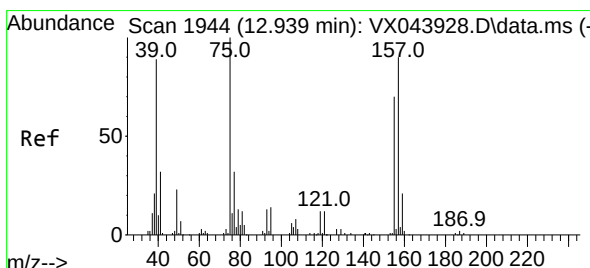
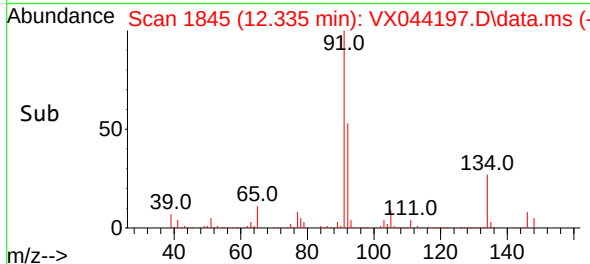
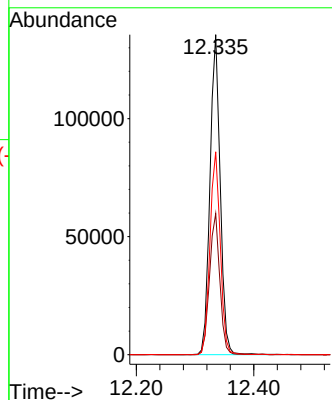
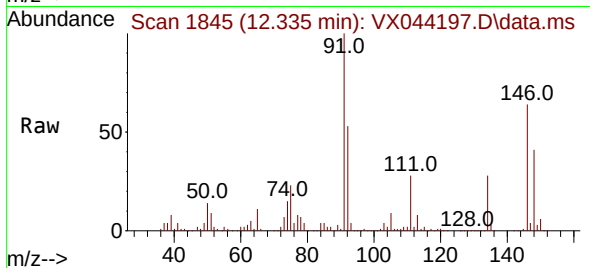
Tgt Ion:146 Resp: 164337

Ion Ratio Lower Upper

146 100

111 44.3 21.5 64.5

148 63.9 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.434 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

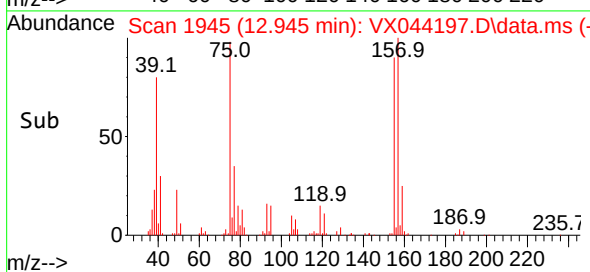
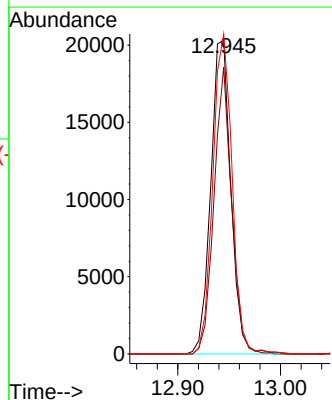
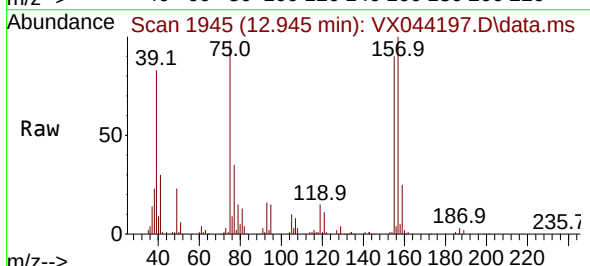
Tgt Ion: 75 Resp: 27603

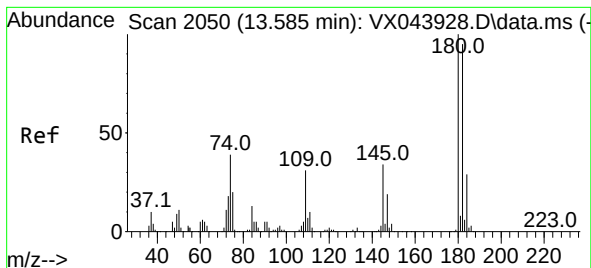
Ion Ratio Lower Upper

75 100

155 80.2 40.1 120.2

157 97.8 49.6 149.0

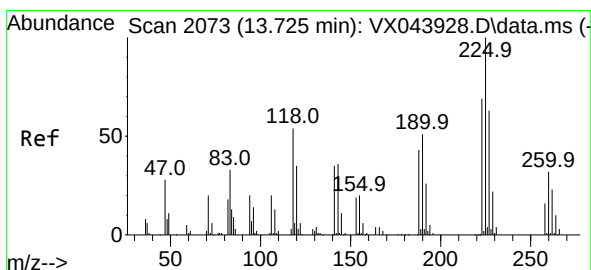
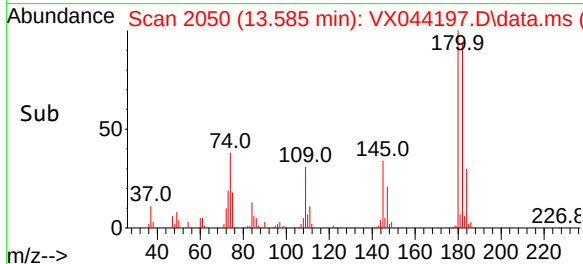
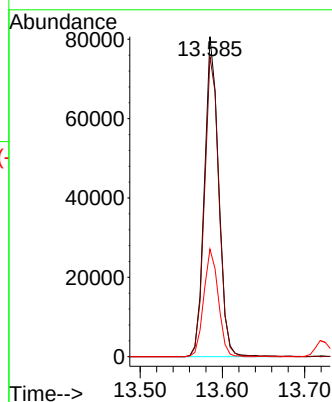
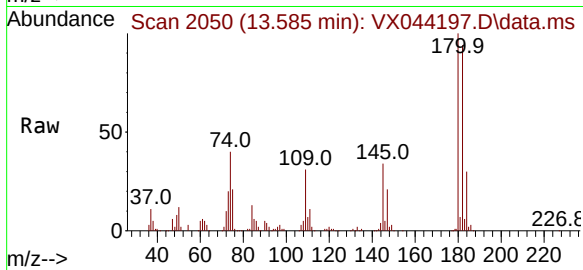




#93
1,2,4-Trichlorobenzene
Concen: 53.404 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

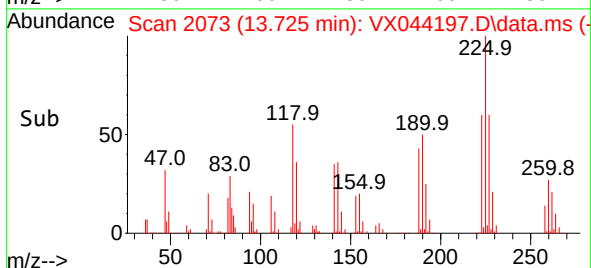
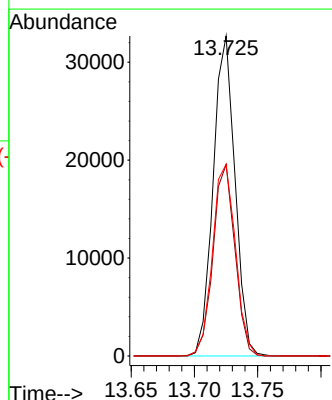
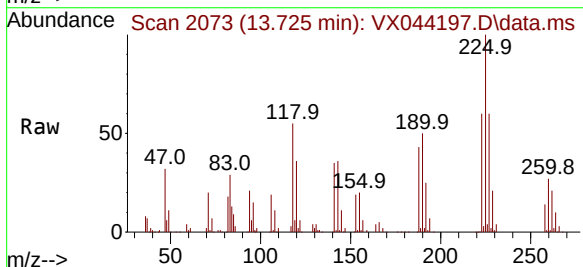
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

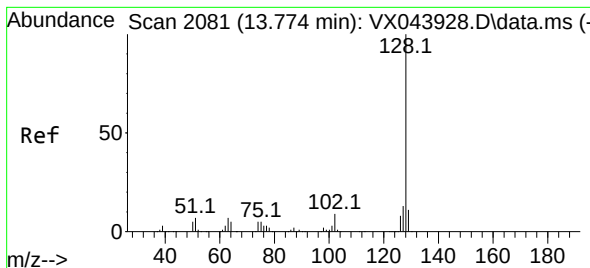
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	34.3	16.8	50.4



#94
Hexachlorobutadiene
Concen: 54.716 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044197.D
Acq: 10 Dec 2024 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	32.9	98.6
227	63.1	31.6	94.8





#95

Naphthalene

Concen: 58.572 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

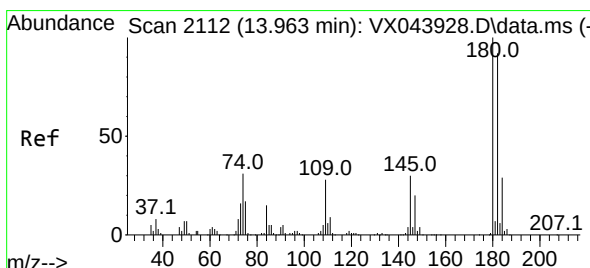
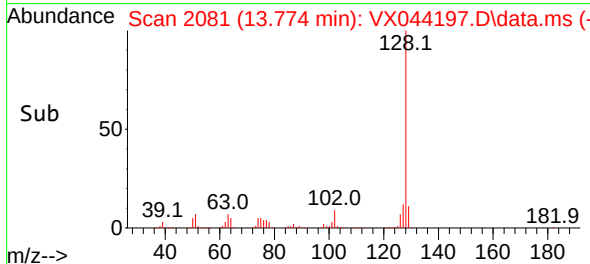
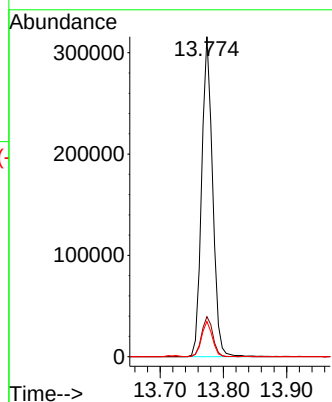
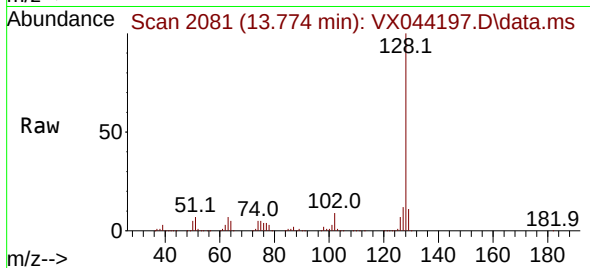
Tgt Ion:128 Resp: 381783

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 55.461 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX044197.D

Acq: 10 Dec 2024 10:43

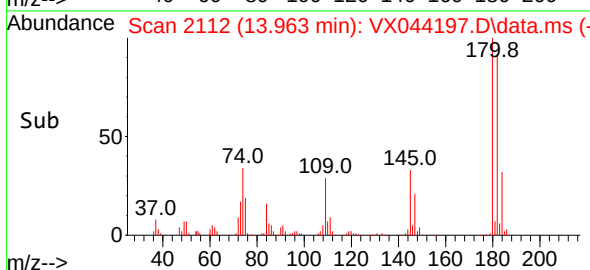
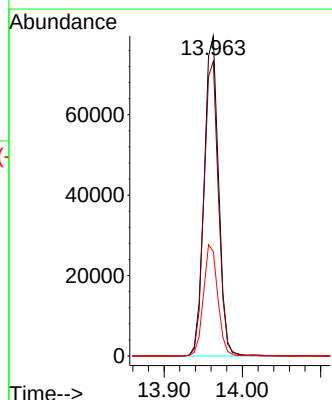
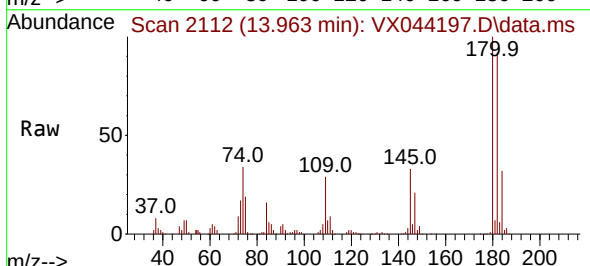
Tgt Ion:180 Resp: 101647

Ion Ratio Lower Upper

180 100

182 92.5 45.6 136.8

145 34.5 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044201.D
 Acq On : 10 Dec 2024 12:22
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Quant Time: Dec 11 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	143461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101326	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	129362	52.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.140%	
35) Dibromofluoromethane	5.379	113	92918	50.900	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.800%	
50) Toluene-d8	8.647	98	311978	49.578	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.160%	
62) 4-Bromofluorobenzene	11.079	95	110798	51.736	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.480%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	27516	15.140	ug/l	99
3) Chloromethane	1.295	50	30484	15.939	ug/l	97
4) Vinyl Chloride	1.374	62	36016	17.705	ug/l	97
5) Bromomethane	1.593	94	25357	20.263	ug/l	99
6) Chloroethane	1.666	64	26478	21.362	ug/l	99
7) Trichlorofluoromethane	1.868	101	69776	19.186	ug/l	95
8) Diethyl Ether	2.130	74	26007	19.620	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	31317	18.052	ug/l	98
10) Methyl Iodide	2.441	142	40131	18.522	ug/l	97
11) Tert butyl alcohol	2.989	59	32534	82.375	ug/l	97
12) 1,1-Dichloroethene	2.307	96	29004	17.545	ug/l	99
13) Acrolein	2.240	56	29903	71.832	ug/l	98
14) Allyl chloride	2.654	41	47939	17.748	ug/l	96
15) Acrylonitrile	3.069	53	97496	101.298	ug/l	99
16) Acetone	2.386	43	102985	91.126	ug/l	100
17) Carbon Disulfide	2.502	76	43919	12.880	ug/l	99
18) Methyl Acetate	2.709	43	53732	20.416	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	122196	20.358	ug/l	97
20) Methylene Chloride	2.782	84	35205	18.357	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	30038	17.600	ug/l	98
22) Diisopropyl ether	3.764	45	114408	19.808	ug/l	92
23) Vinyl Acetate	3.721	43	487174	98.600	ug/l	99
24) 1,1-Dichloroethane	3.605	63	64095	19.236	ug/l	98
25) 2-Butanone	4.562	43	149041	102.207	ug/l	100
26) 2,2-Dichloropropane	4.471	77	54378	18.070	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	40454	19.176	ug/l	98
28) Bromochloromethane	4.898	49	31279	21.326	ug/l	98
29) Tetrahydrofuran	5.013	42	91295	102.121	ug/l	99
30) Chloroform	5.093	83	71902	20.063	ug/l	99
31) Cyclohexane	5.465	56	48485	17.680	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62516	20.229	ug/l	99
36) 1,1-Dichloropropene	5.684	75	42707	18.774	ug/l	99
37) Ethyl Acetate	4.721	43	56223	19.911	ug/l	98
38) Carbon Tetrachloride	5.666	117	46733	18.283	ug/l	96
39) Methylcyclohexane	7.379	83	49682	16.811	ug/l	95
40) Benzene	6.032	78	134799	19.024	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044201.D
 Acq On : 10 Dec 2024 12:22
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Quant Time: Dec 11 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	30829	21.331	ug/l	95
42) 1,2-Dichloroethane	6.086	62	57506	20.207	ug/l	99
43) Isopropyl Acetate	6.342	43	92107	20.496	ug/l	99
44) Trichloroethene	7.123	130	32850	16.377	ug/l	96
45) 1,2-Dichloropropane	7.434	63	34167	19.687	ug/l	94
46) Dibromomethane	7.580	93	27883	20.310	ug/l	99
47) Bromodichloromethane	7.818	83	49215	19.988	ug/l	98
48) Methyl methacrylate	7.696	41	43021	19.951	ug/l	99
49) 1,4-Dioxane	7.665	88	9854	256.541	ug/l #	38
51) 4-Methyl-2-Pentanone	8.574	43	301689	110.009	ug/l	98
52) Toluene	8.720	92	84219	19.858	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	47285	18.833	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	51841	18.834	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	35301	20.164	ug/l	98
56) Ethyl methacrylate	9.116	69	55856	20.483	ug/l	97
57) 1,3-Dichloropropane	9.305	76	60589	20.545	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	123591	82.064	ug/l	97
59) 2-Hexanone	9.433	43	221552	107.484	ug/l	100
60) Dibromochloromethane	9.519	129	33007	18.791	ug/l	95
61) 1,2-Dibromoethane	9.610	107	36436	20.583	ug/l	99
64) Tetrachloroethene	9.275	164	28559	19.902	ug/l	97
65) Chlorobenzene	10.080	112	93648	19.593	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	31344	20.220	ug/l	97
67) Ethyl Benzene	10.195	91	161984	20.000	ug/l	100
68) m/p-Xylenes	10.299	106	121841	40.339	ug/l	98
69) o-Xylene	10.640	106	59823	20.286	ug/l	98
70) Styrene	10.653	104	98764	20.249	ug/l	98
71) Bromoform	10.799	173	19230	17.726	ug/l #	98
73) Isopropylbenzene	10.964	105	156270	20.063	ug/l	100
74) N-amyl acetate	10.842	43	72802	20.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	55313	20.740	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	56610	25.476	ug/l	87
77) Bromobenzene	11.195	156	36322	19.549	ug/l	99
78) n-propylbenzene	11.305	91	169125	19.442	ug/l	100
79) 2-Chlorotoluene	11.366	91	109815	19.964	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	129646	20.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13258	16.281	ug/l	88
82) 4-Chlorotoluene	11.451	91	124570	20.059	ug/l	98
83) tert-Butylbenzene	11.713	119	130260	20.509	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	133139	20.869	ug/l	98
85) sec-Butylbenzene	11.890	105	156966	20.171	ug/l	99
86) p-Isopropyltoluene	12.006	119	131174	20.752	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	64387	19.027	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	66782	19.356	ug/l	98
89) n-Butylbenzene	12.335	91	108826	19.527	ug/l	98
90) Hexachloroethane	12.536	117	18615	17.319	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	67188	19.674	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10196	19.080	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	34977	17.372	ug/l	94
94) Hexachlorobutadiene	13.725	225	14782	18.576	ug/l	99
95) Naphthalene	13.774	128	143097	19.744	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38793	19.036	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Quant Time: Dec 11 01:28:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

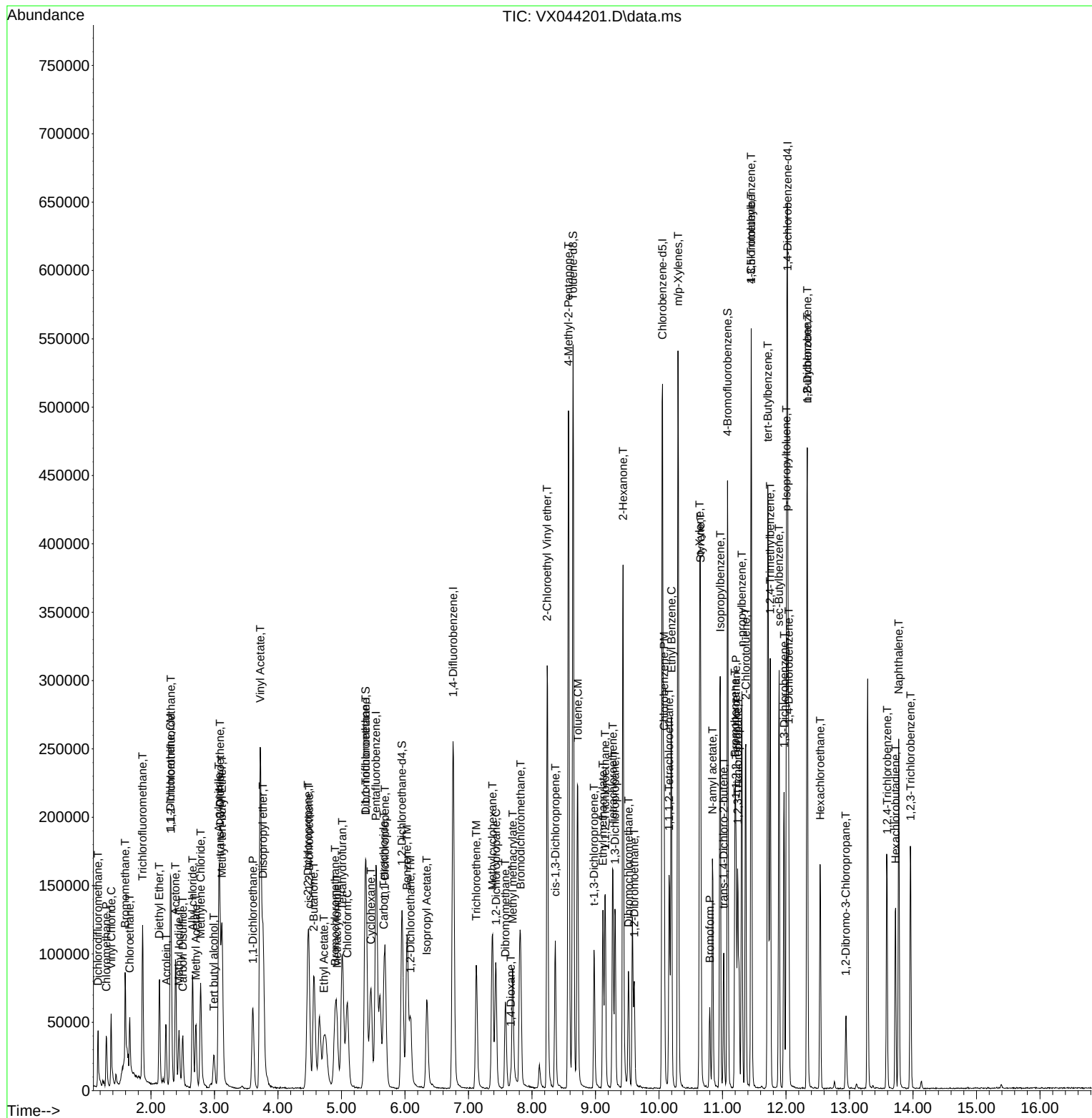
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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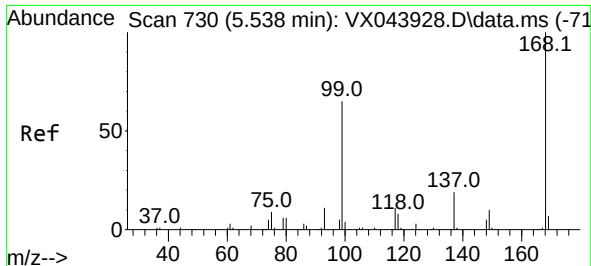
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044201.D
Acq On : 10 Dec 2024 12:22
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Quant Time: Dec 11 01:28:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

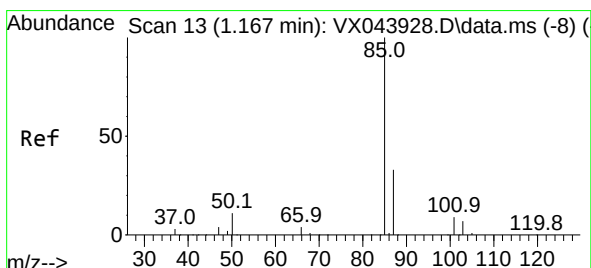
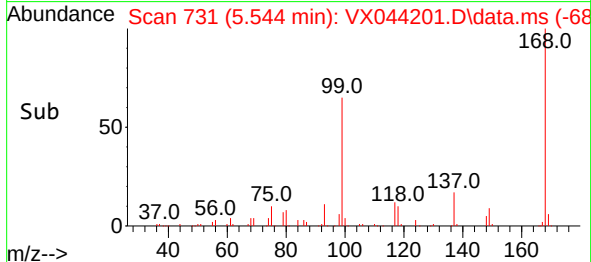
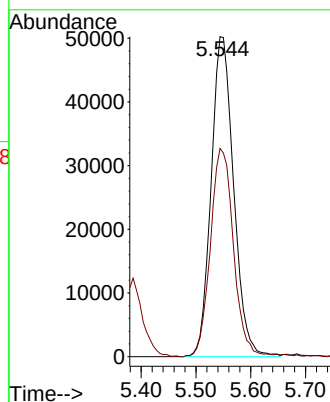
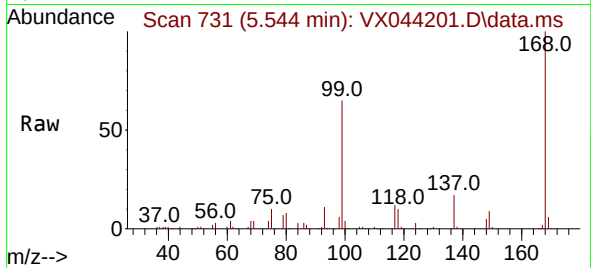




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

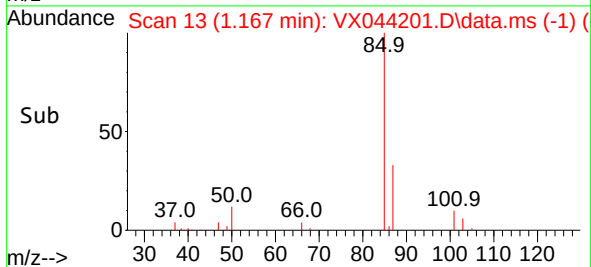
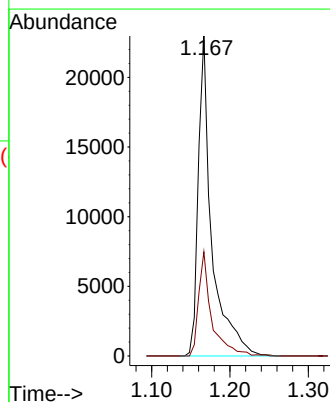
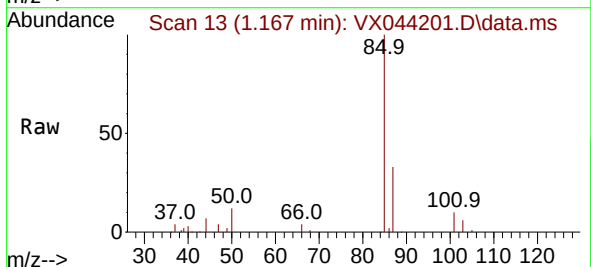
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

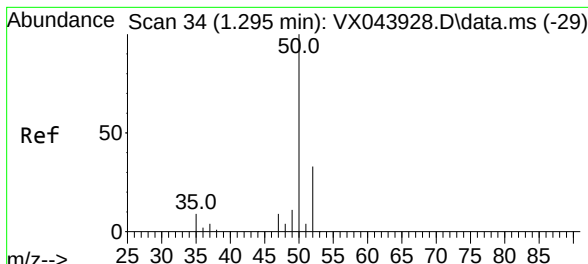
Tgt Ion:168 Resp: 143461
Ion Ratio Lower Upper
168 100
99 65.0 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 15.140 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 85 Resp: 27516
Ion Ratio Lower Upper
85 100
87 32.6 16.6 49.8

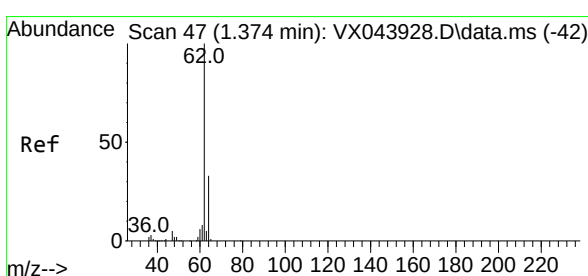
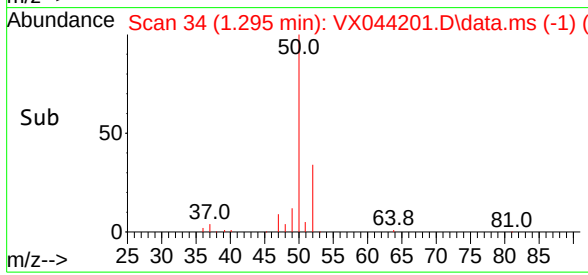
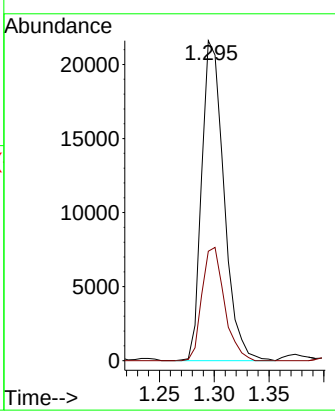
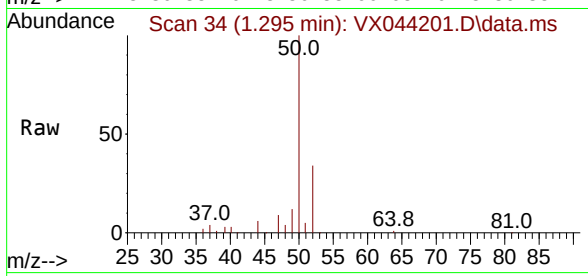




#3
 Chloromethane
 Concen: 15.939 ug/l
 RT: 1.295 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

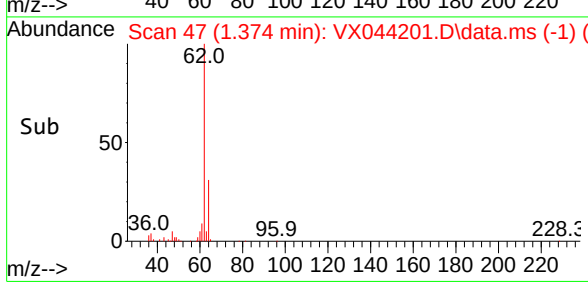
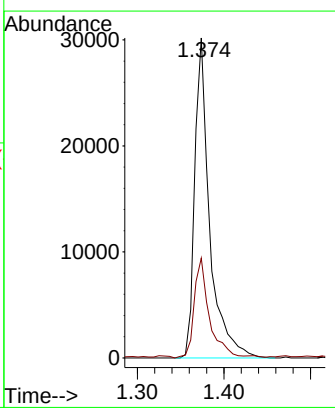
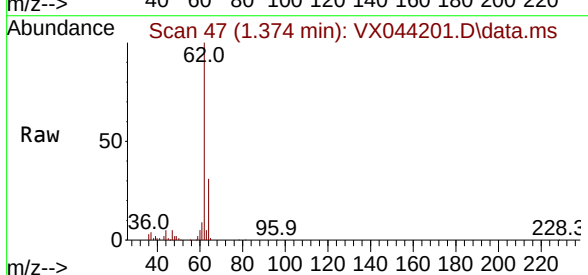
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

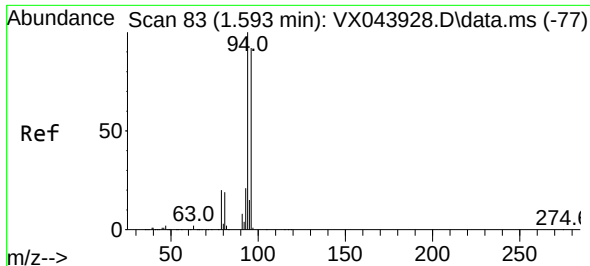
Tgt Ion:	50	Resp:	30484
Ion Ratio	Lower	Upper	
50	100		
52	34.2	26.1	39.1



#4
 Vinyl Chloride
 Concen: 17.705 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

Tgt Ion:	62	Resp:	36016
Ion Ratio	Lower	Upper	
62	100		
64	31.2	26.2	39.4

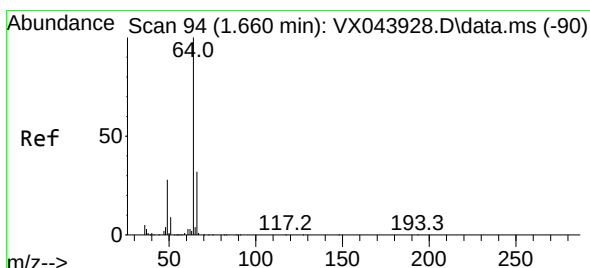
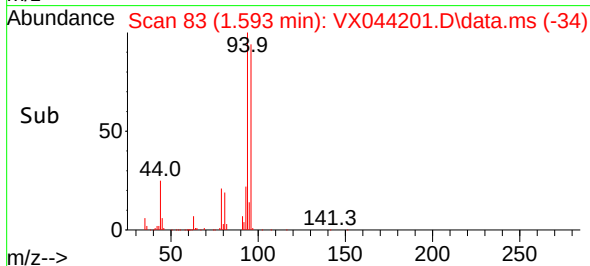
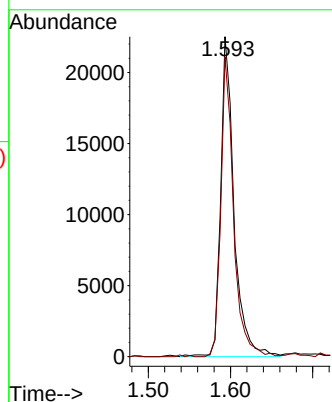
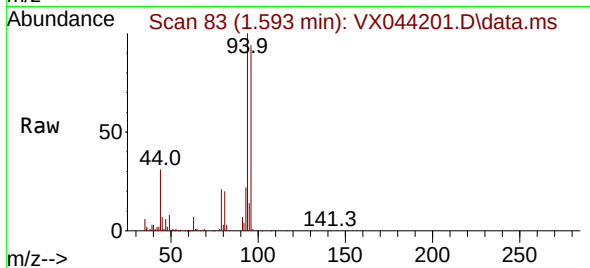




#5
Bromomethane
Concen: 20.263 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

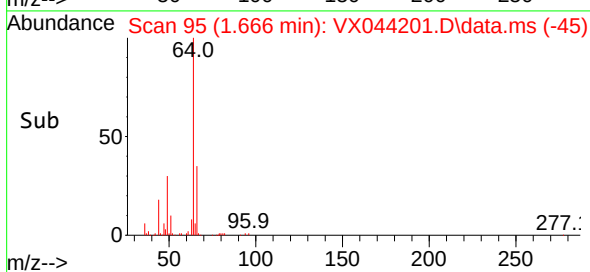
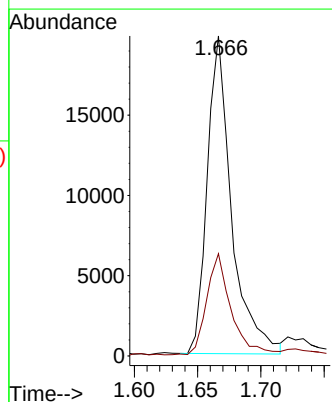
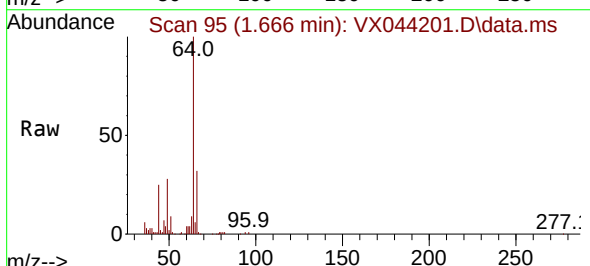
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

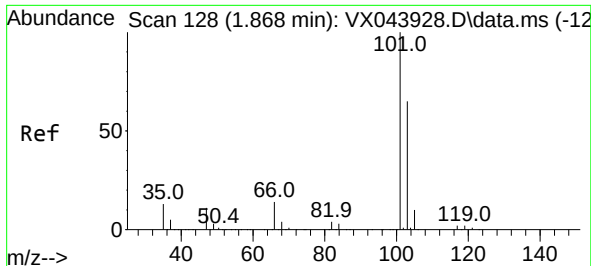
Tgt Ion: 94 Resp: 25357
Ion Ratio Lower Upper
94 100
96 93.4 73.9 110.9



#6
Chloroethane
Concen: 21.362 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 64 Resp: 26478
Ion Ratio Lower Upper
64 100
66 31.6 25.9 38.9

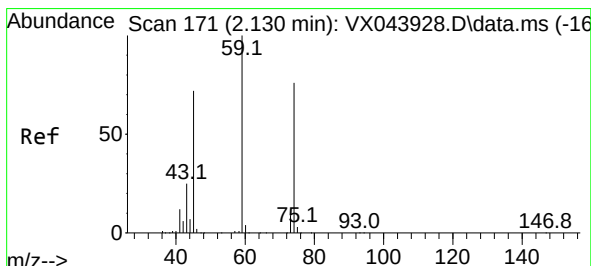
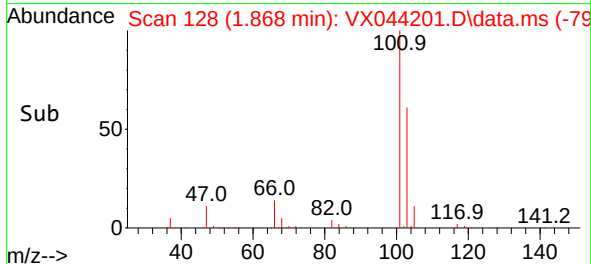
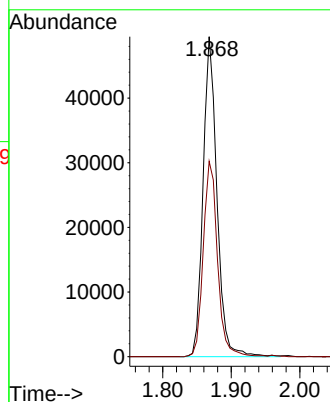
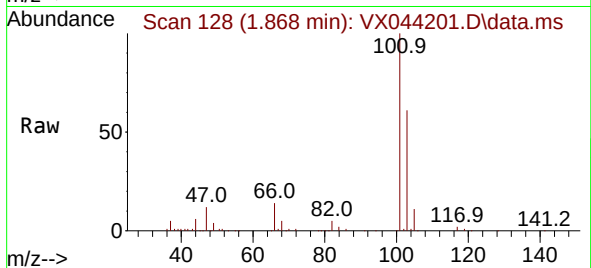




#7
Trichlorofluoromethane
Concen: 19.186 ug/l
RT: 1.868 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

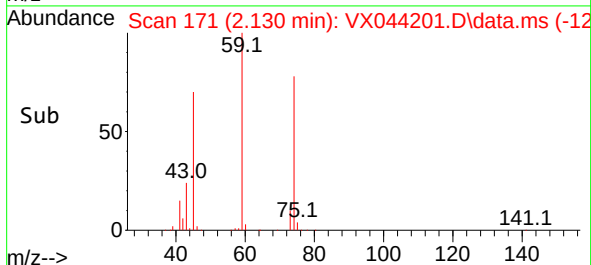
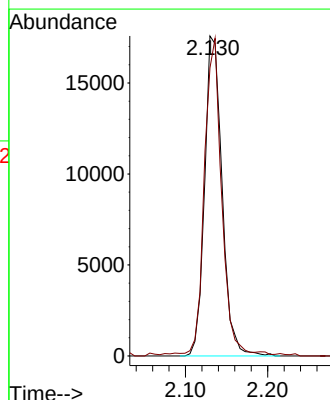
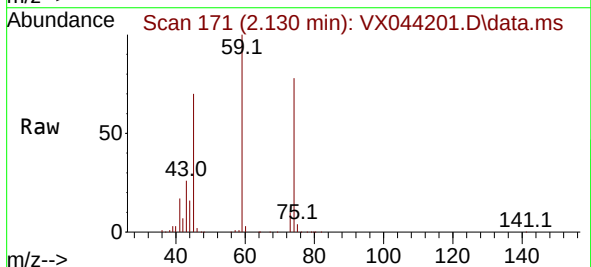
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

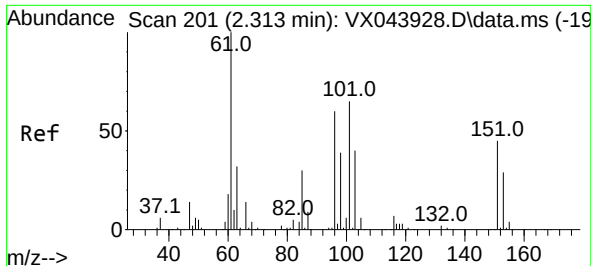
Tgt Ion:101 Resp: 69776
Ion Ratio Lower Upper
101 100
103 61.1 52.2 78.2



#8
Diethyl Ether
Concen: 19.620 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 74 Resp: 26007
Ion Ratio Lower Upper
74 100
45 97.0 47.9 143.6

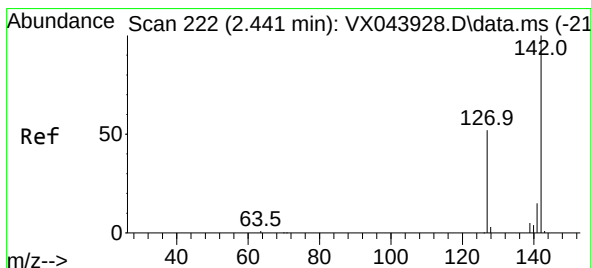
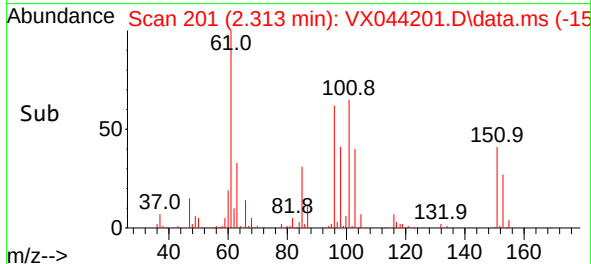
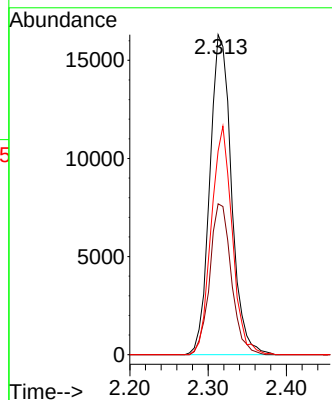
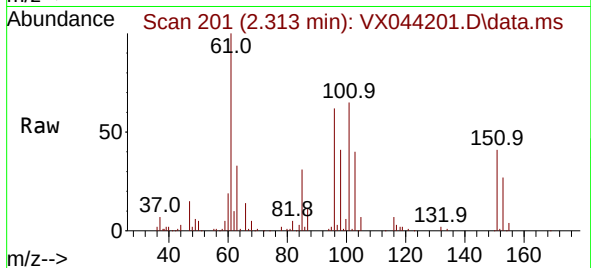




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.052 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

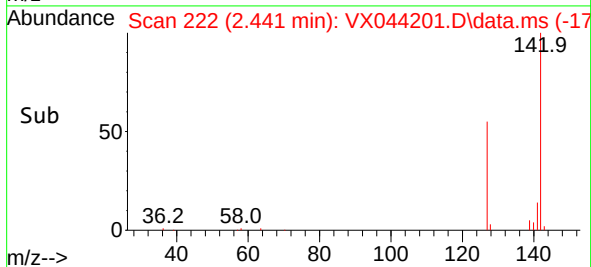
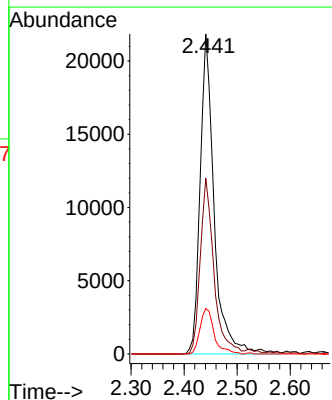
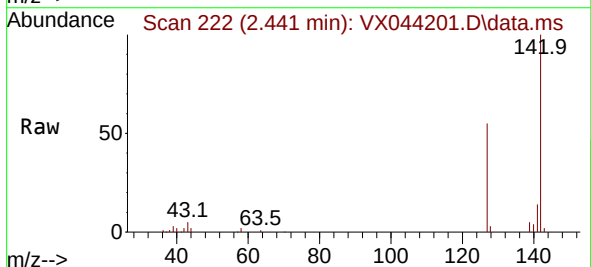
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

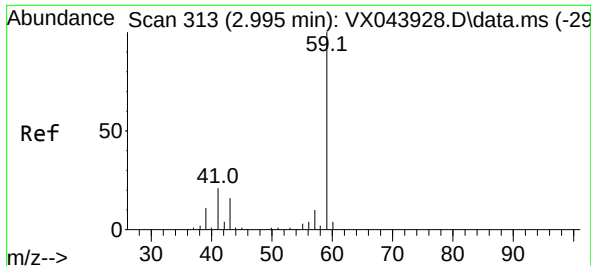
Tgt Ion:	101	Resp:	31317
Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.9	56.9
151	69.1	57.5	86.3



#10
Methyl Iodide
Concen: 18.522 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:	142	Resp:	40131
Ion	Ratio	Lower	Upper
142	100		
127	53.5	40.7	61.1
141	14.4	12.0	18.0

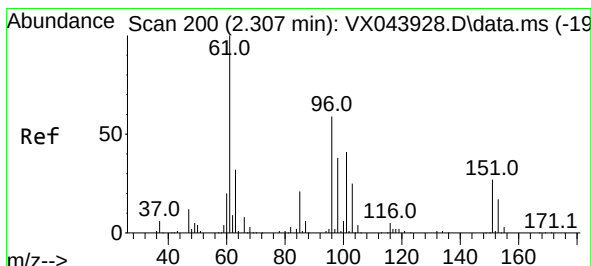
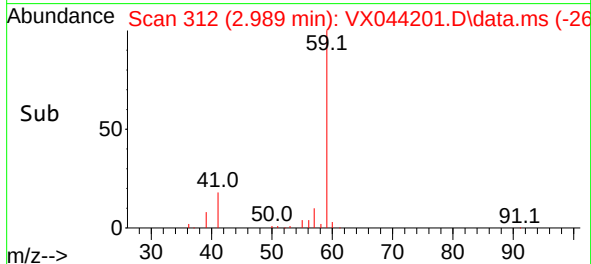
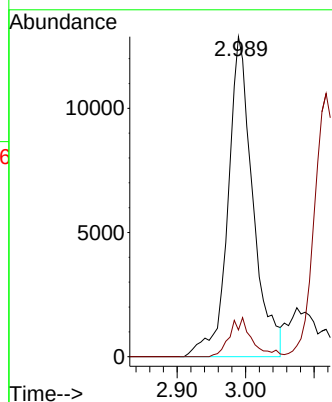
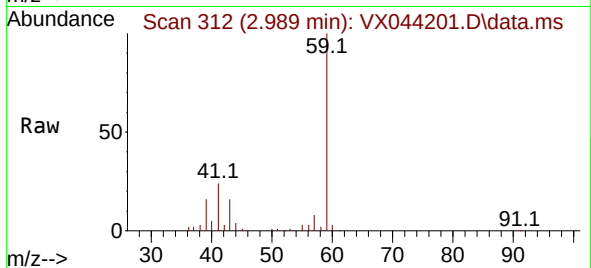




#11
Tert butyl alcohol
Concen: 82.375 ug/l
RT: 2.989 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

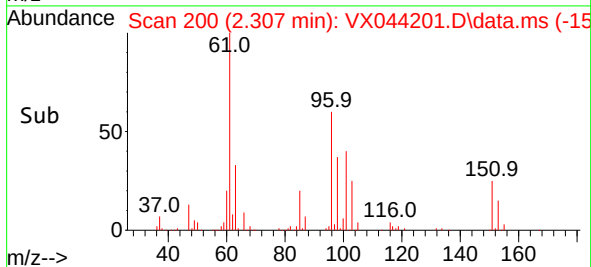
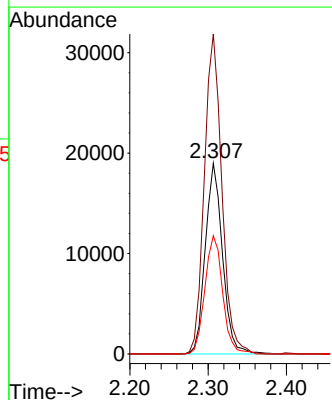
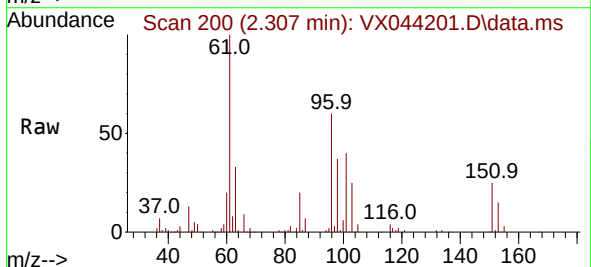
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

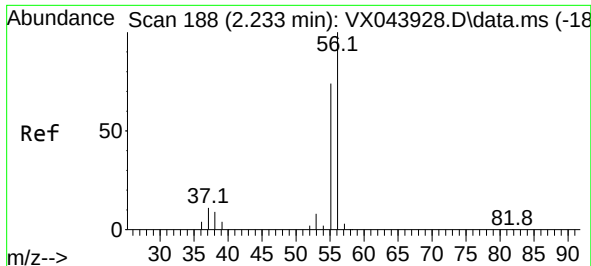
Tgt Ion: 59 Resp: 32534
Ion Ratio Lower Upper
59 100
57 10.9 7.9 11.9



#12
1,1-Dichloroethene
Concen: 17.545 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 96 Resp: 29004
Ion Ratio Lower Upper
96 100
61 167.8 135.5 203.3
98 62.0 50.8 76.2

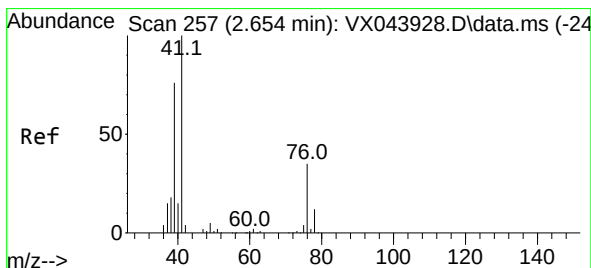
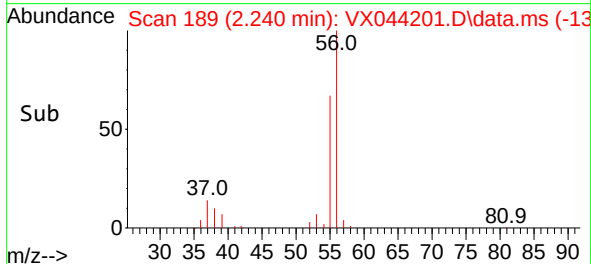
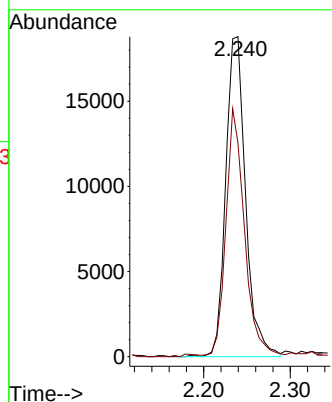
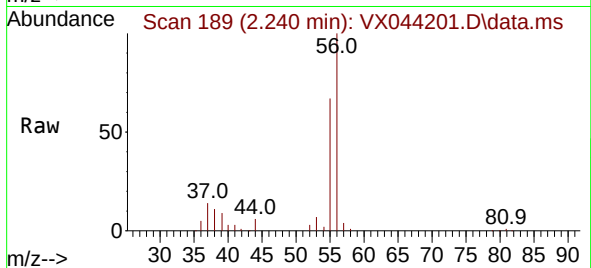




#13
Acrolein
Concen: 71.832 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

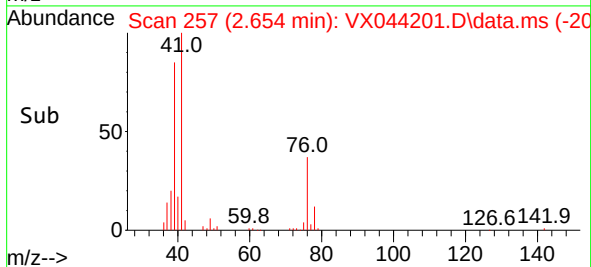
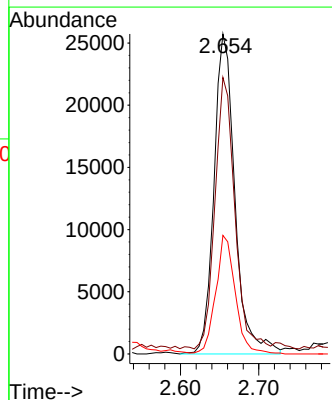
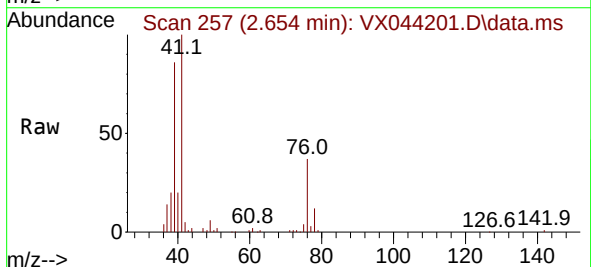
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

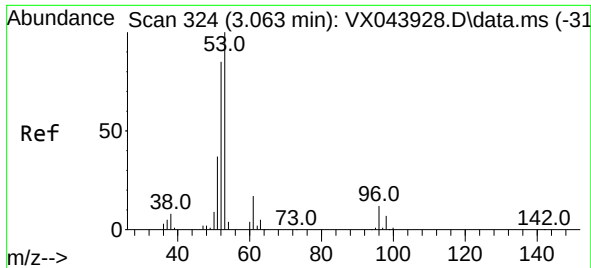
Tgt Ion: 56 Resp: 29903
Ion Ratio Lower Upper
56 100
55 71.4 58.2 87.2



#14
Allyl chloride
Concen: 17.748 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 41 Resp: 47939
Ion Ratio Lower Upper
41 100
39 78.6 59.5 89.3
76 34.7 27.4 41.2

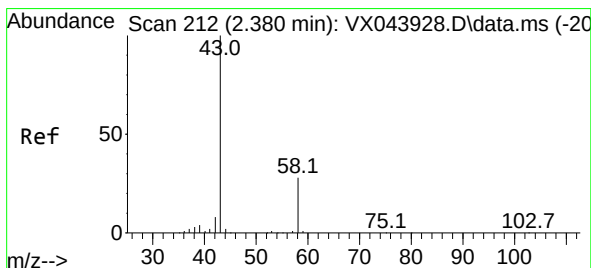
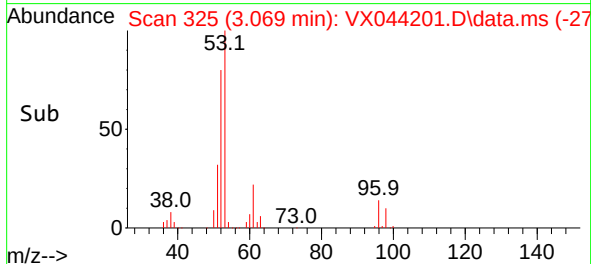
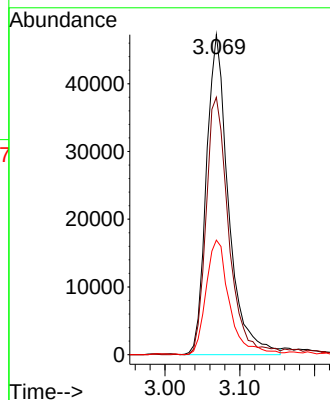
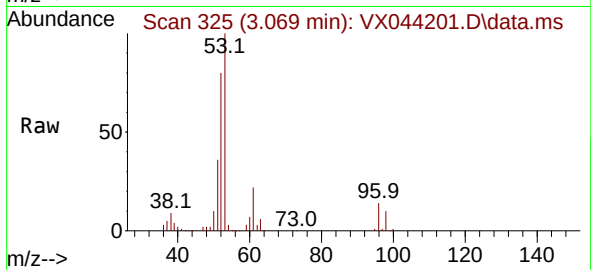




#15
Acrylonitrile
Concen: 101.298 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

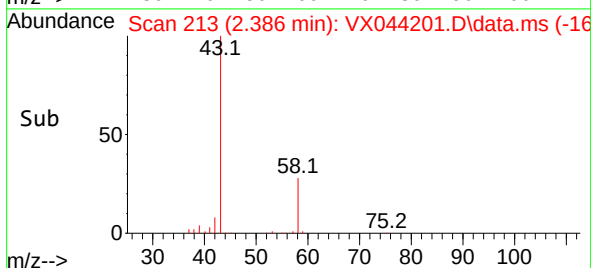
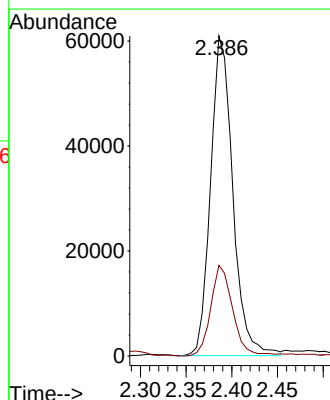
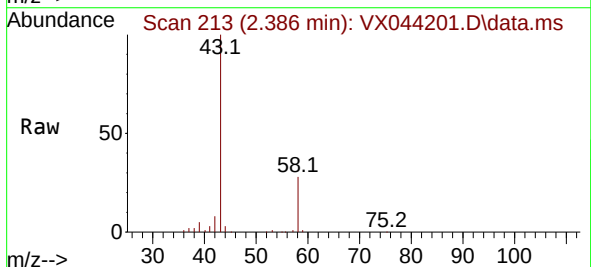
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

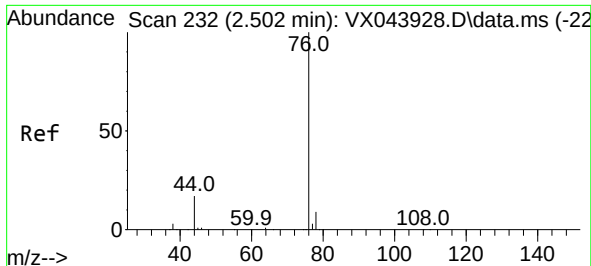
Tgt Ion: 53	Resp:	97496
Ion	Ratio	Lower Upper
53	100	
52	81.8	66.5 99.7
51	37.9	30.2 45.4



#16
Acetone
Concen: 91.126 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43	Resp:	102985
Ion	Ratio	Lower Upper
43	100	
58	28.3	22.7 34.1

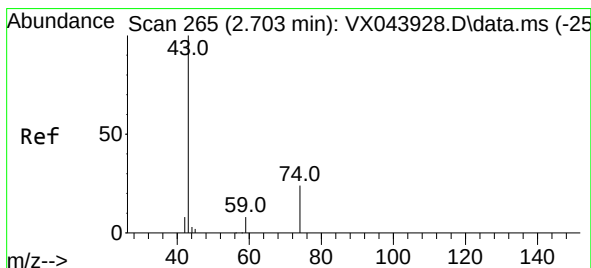
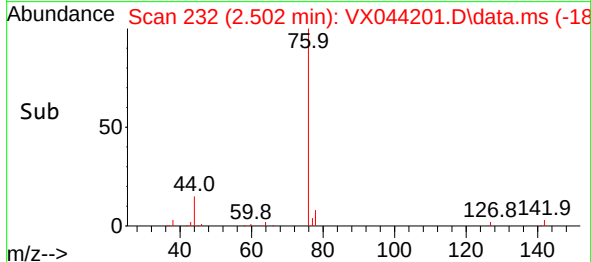
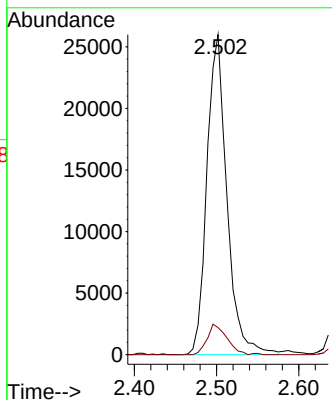
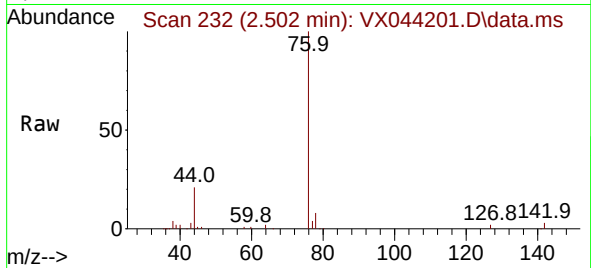




#17
Carbon Disulfide
Concen: 12.880 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

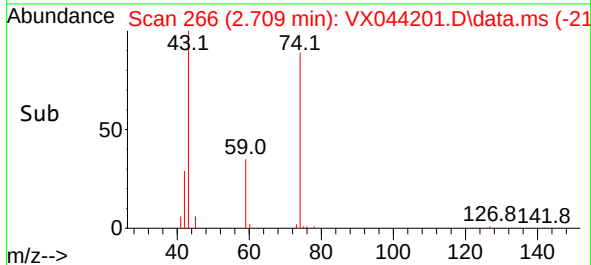
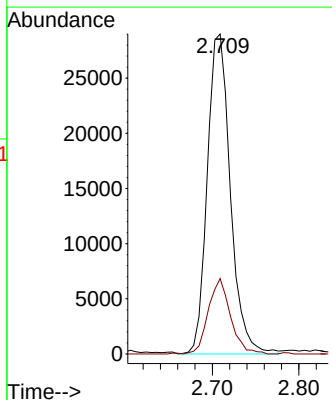
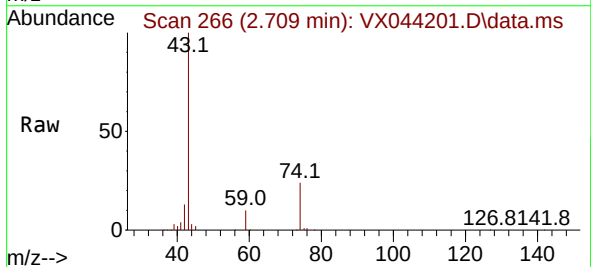
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

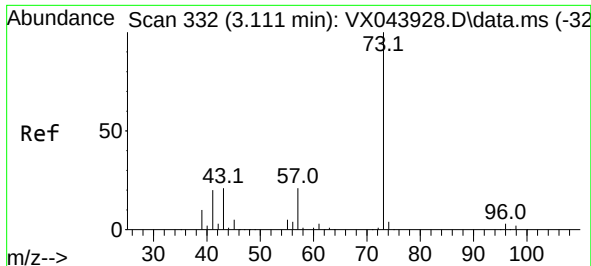
Tgt Ion: 76 Resp: 43919
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



#18
Methyl Acetate
Concen: 20.416 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 53732
Ion Ratio Lower Upper
43 100
74 22.7 18.9 28.3

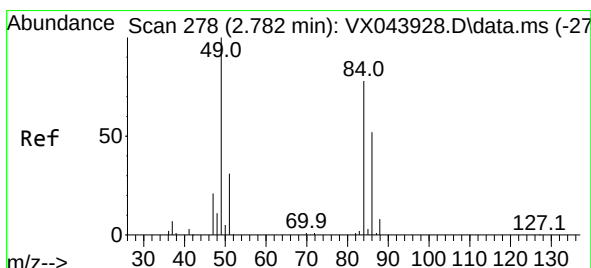
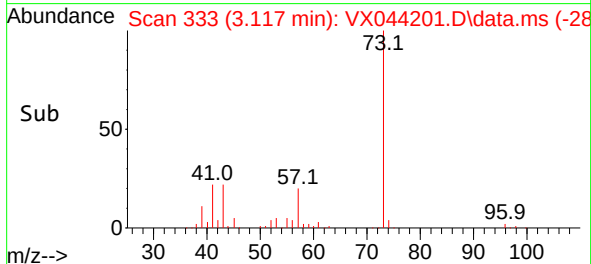
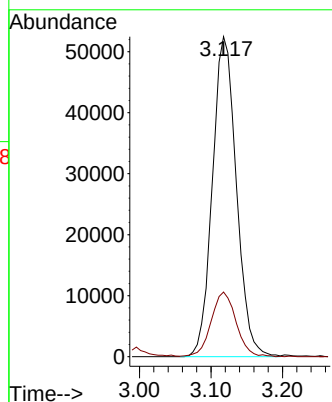
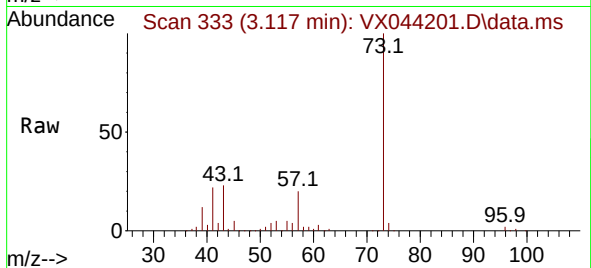




#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

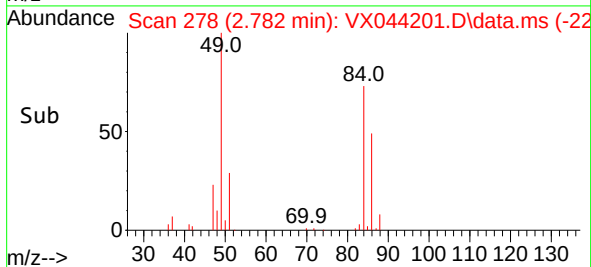
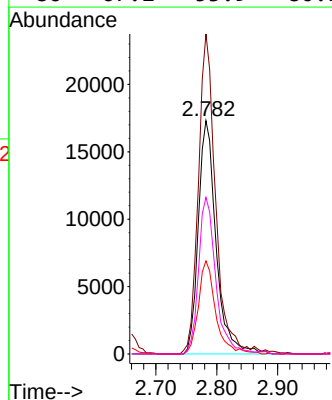
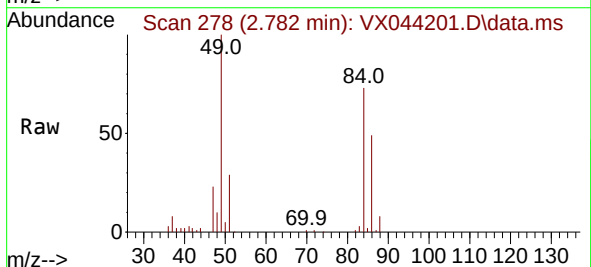
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

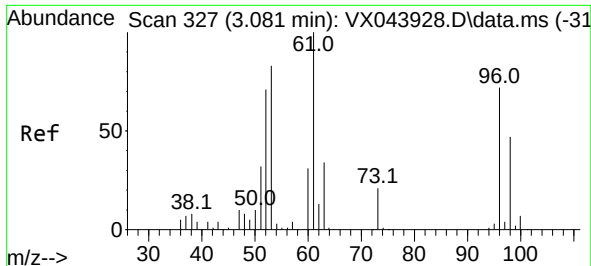
Tgt Ion: 73 Resp: 122196
Ion Ratio Lower Upper
73 100
57 20.1 17.0 25.6



#20
Methylene Chloride
Concen: 18.357 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 84 Resp: 35205
Ion Ratio Lower Upper
84 100
49 137.2 102.7 154.1
51 40.0 31.7 47.5
86 67.2 53.9 80.9

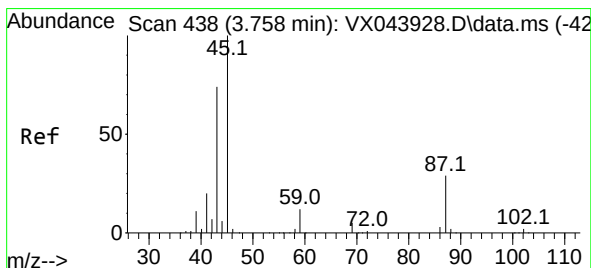
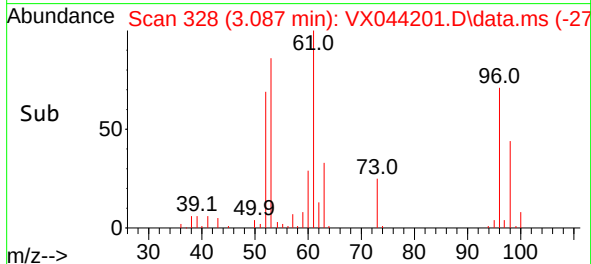
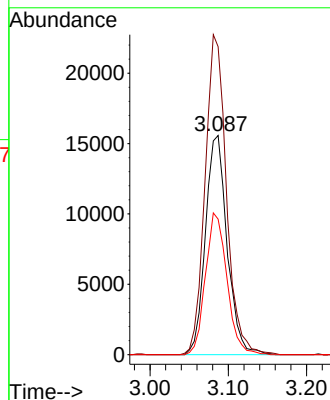
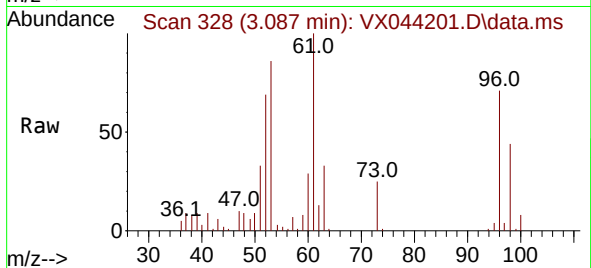




#21
trans-1,2-Dichloroethene
Concen: 17.600 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

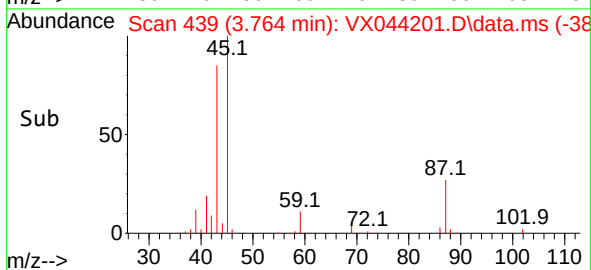
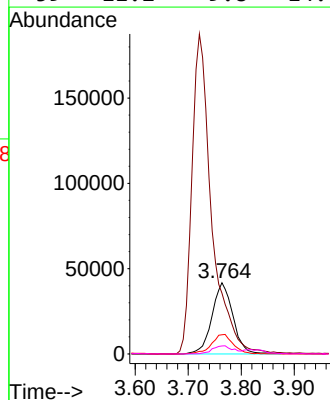
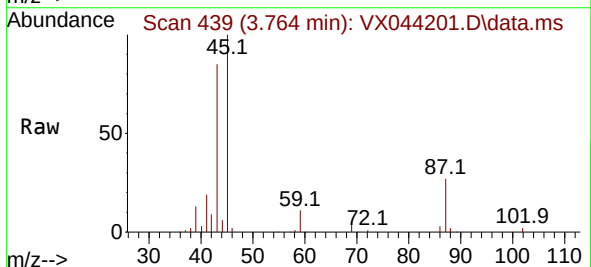
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

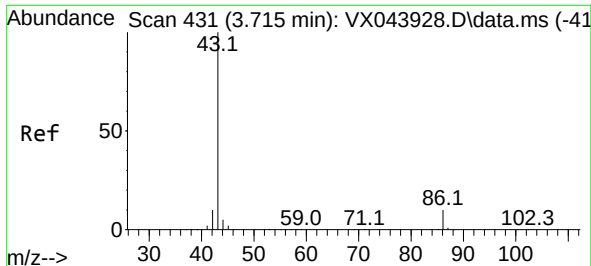
Tgt Ion: 96 Resp: 30038
Ion Ratio Lower Upper
96 100
61 140.5 111.8 167.6
98 61.9 52.7 79.1



#22
Diisopropyl ether
Concen: 19.808 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 45 Resp: 114408
Ion Ratio Lower Upper
45 100
43 83.5 59.6 89.4
87 26.9 22.9 34.3
59 11.2 9.8 14.6

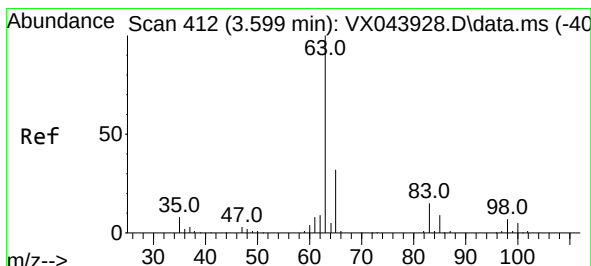
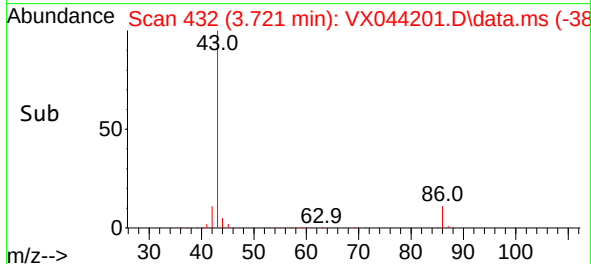
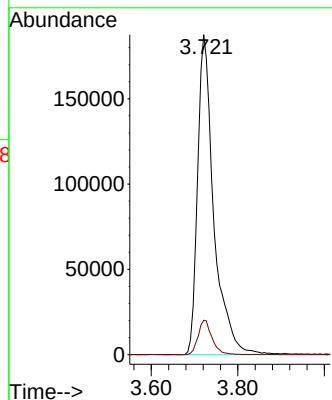
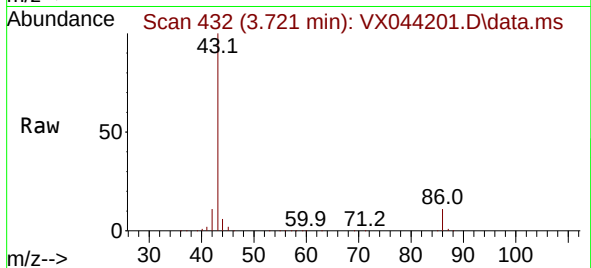




#23
 Vinyl Acetate
 Concen: 98.600 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

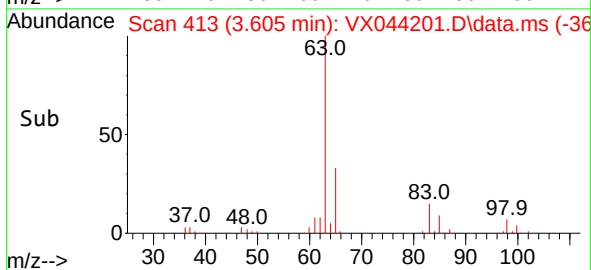
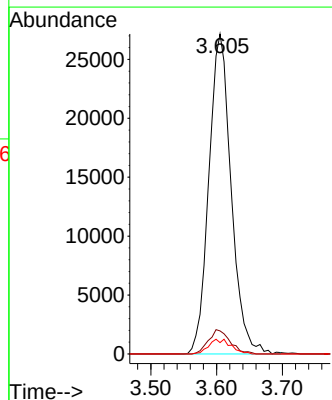
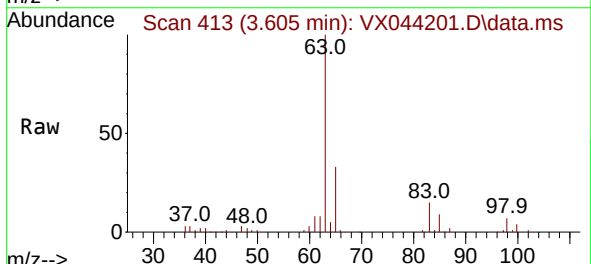
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

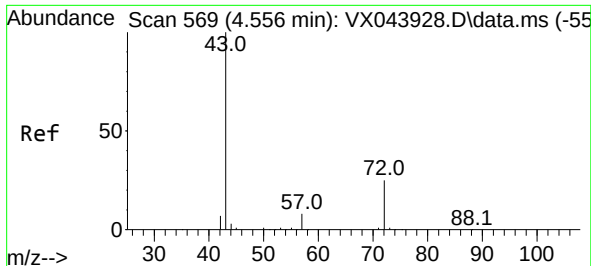
Tgt Ion: 43 Resp: 487174
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 19.236 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

Tgt Ion: 63 Resp: 64095
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.6
 100 3.6 2.4 7.1

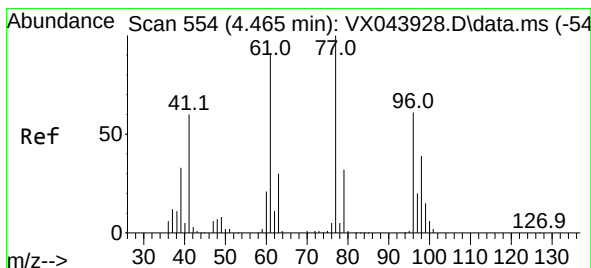
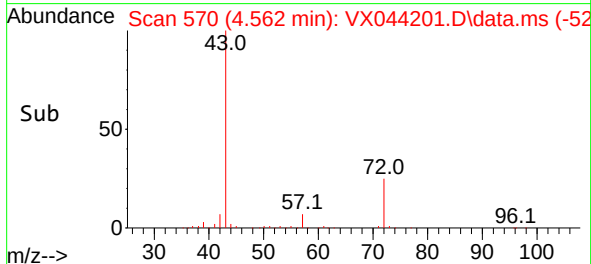
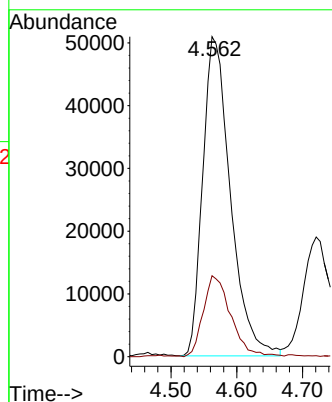
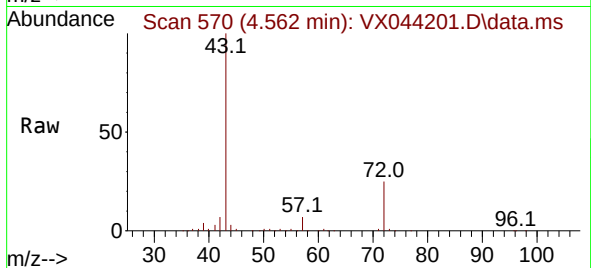




#25
2-Butanone
Concen: 102.207 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

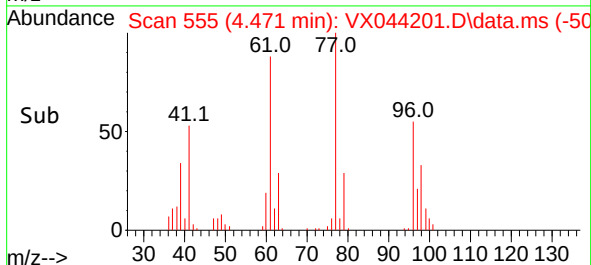
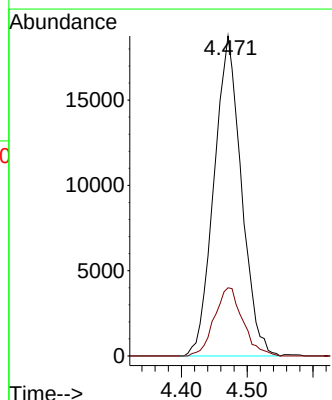
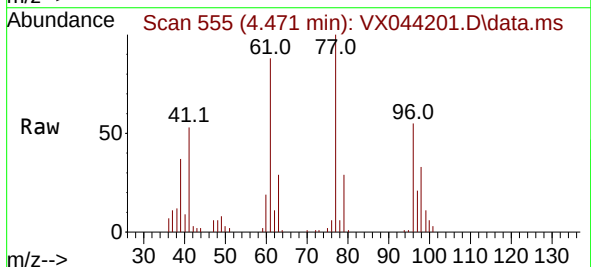
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

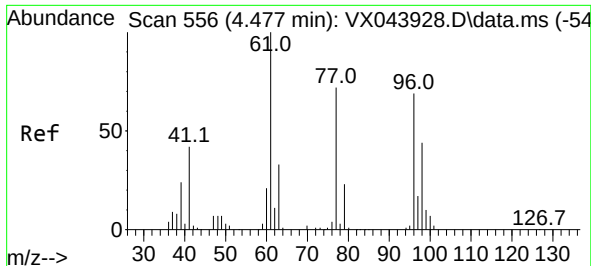
Tgt Ion: 43 Resp: 149041
Ion Ratio Lower Upper
43 100
72 25.1 20.2 30.2



#26
2,2-Dichloropropane
Concen: 18.070 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 77 Resp: 54378
Ion Ratio Lower Upper
77 100
97 22.1 10.8 32.3

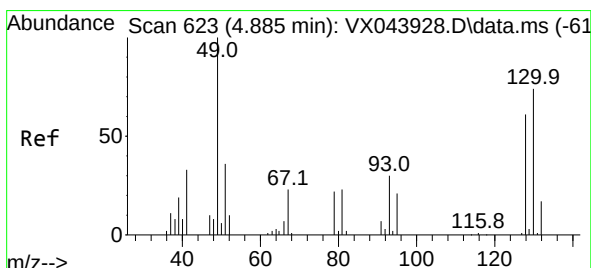
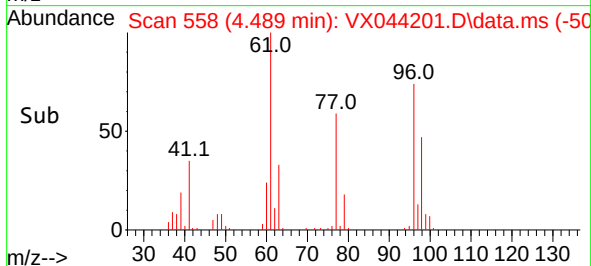
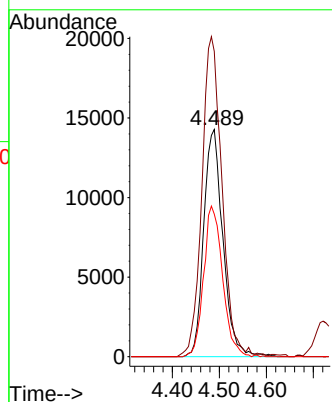
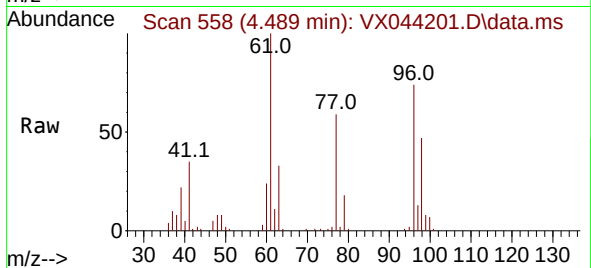




#27
 cis-1,2-Dichloroethene
 Concen: 19.176 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

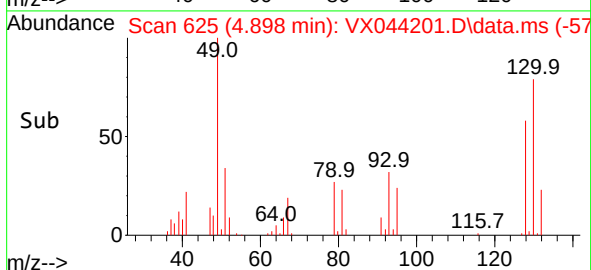
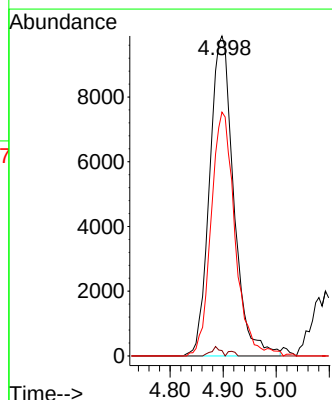
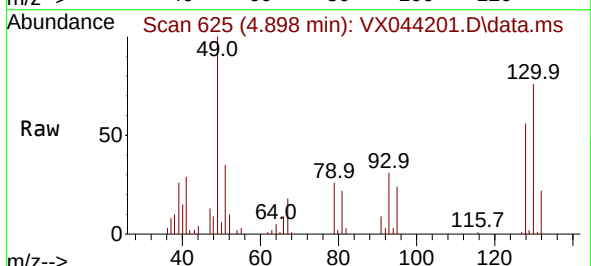
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

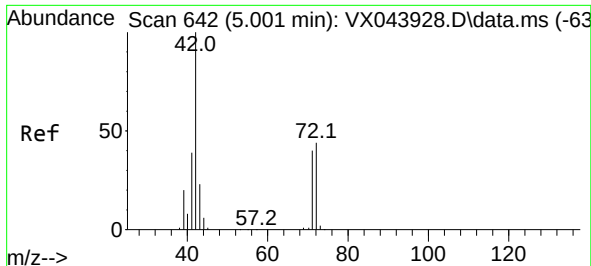
Tgt Ion: 96 Resp: 40454
 Ion Ratio Lower Upper
 96 100
 61 147.0 0.0 297.4
 98 65.4 0.0 127.8



#28
 Bromochloromethane
 Concen: 21.326 ug/l
 RT: 4.898 min Scan# 625
 Delta R.T. 0.012 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

Tgt Ion: 49 Resp: 31279
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 4.0
 130 75.6 59.0 88.6





#29

Tetrahydrofuran

Concen: 102.121 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

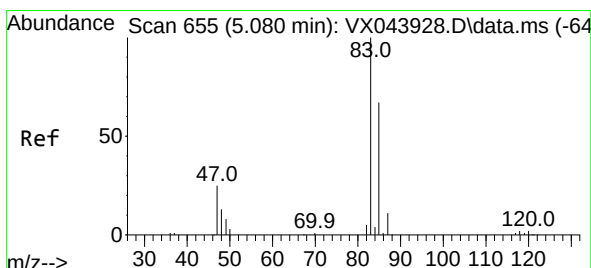
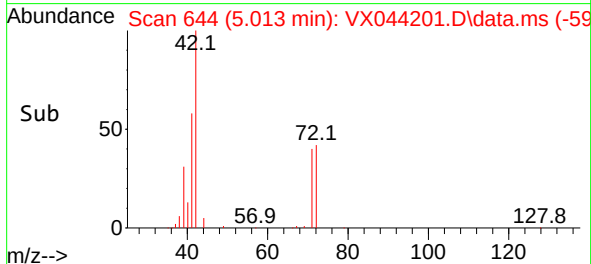
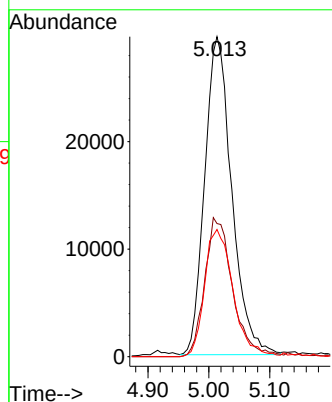
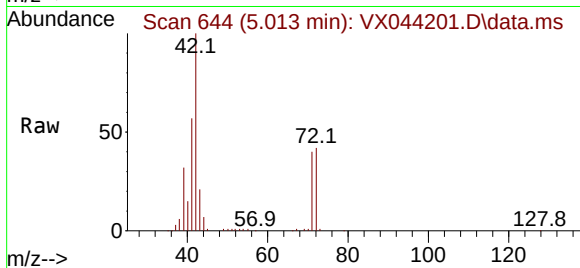
Tgt Ion: 42 Resp: 91295

Ion Ratio Lower Upper

42 100

72 44.9 36.4 54.6

71 42.0 33.4 50.0



#30

Chloroform

Concen: 20.063 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044201.D

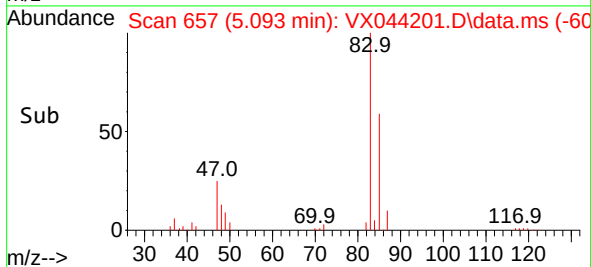
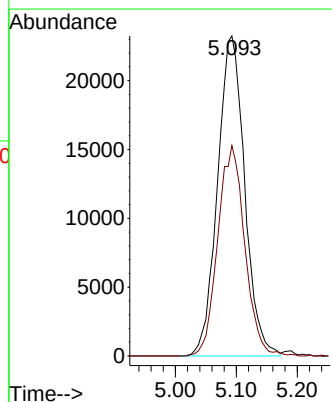
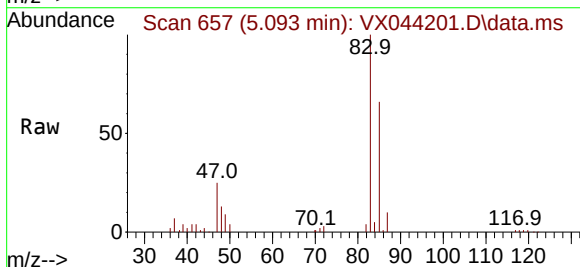
Acq: 10 Dec 2024 12:22

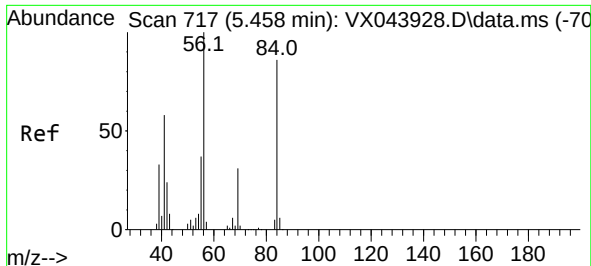
Tgt Ion: 83 Resp: 71902

Ion Ratio Lower Upper

83 100

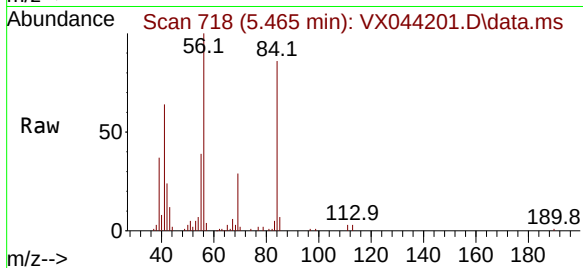
85 65.7 53.5 80.3



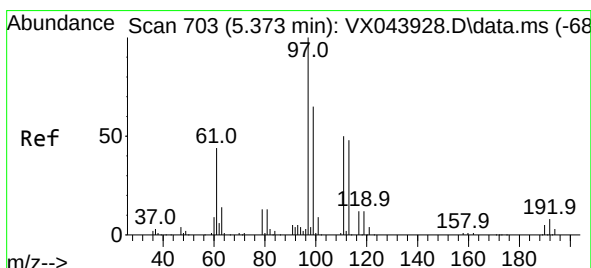
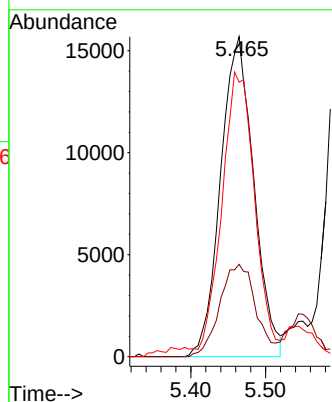
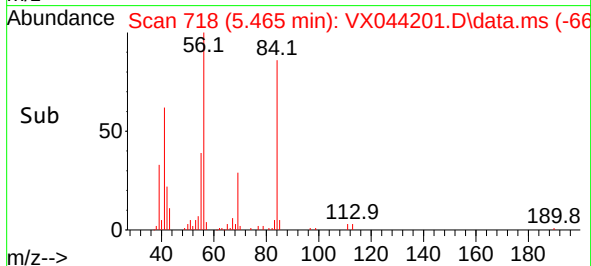


#31
Cyclohexane
Concen: 17.680 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

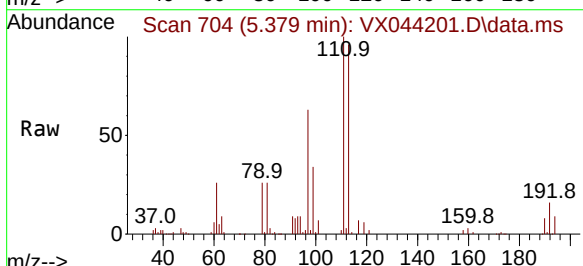
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01



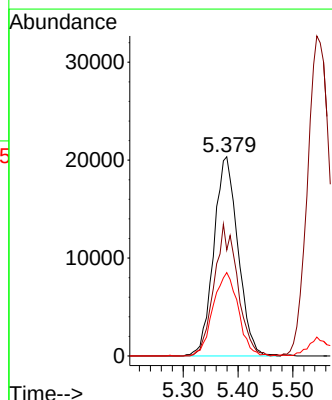
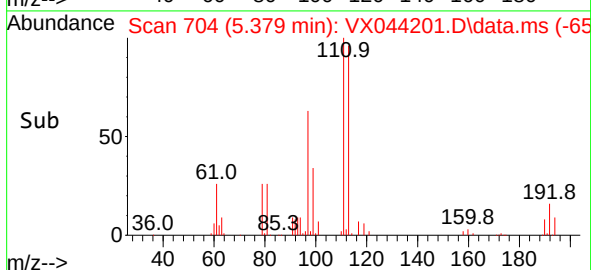
Tgt Ion: 56 Resp: 48485
Ion Ratio Lower Upper
56 100
69 28.9 24.7 37.1
84 83.6 68.7 103.1

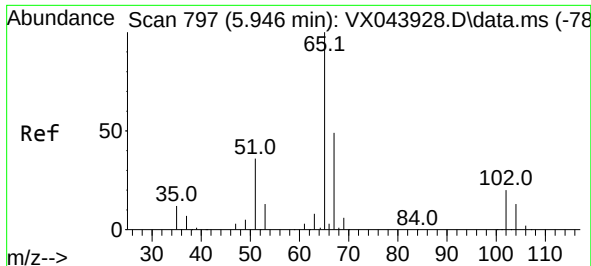


#32
1,1,1-Trichloroethane
Concen: 20.229 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22



Tgt Ion: 97 Resp: 62516
Ion Ratio Lower Upper
97 100
99 64.0 50.8 76.2
61 43.3 35.4 53.2

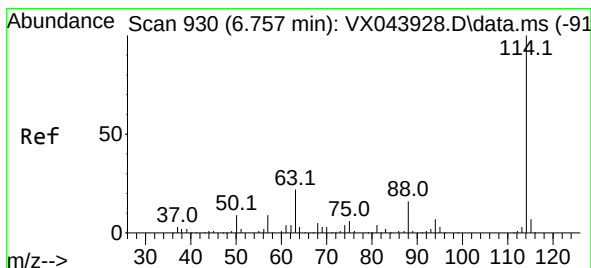
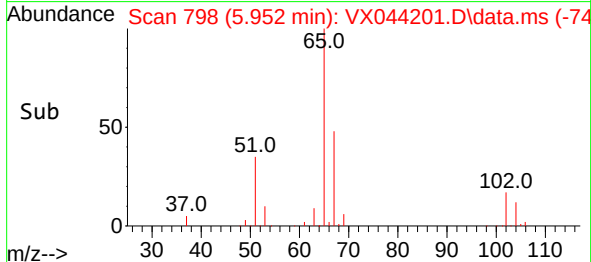
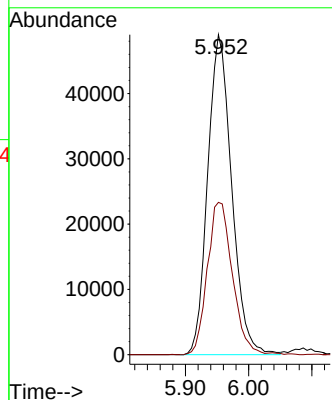
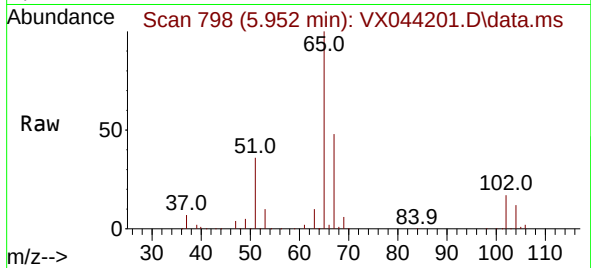




#33
1,2-Dichloroethane-d4
Concen: 52.573 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

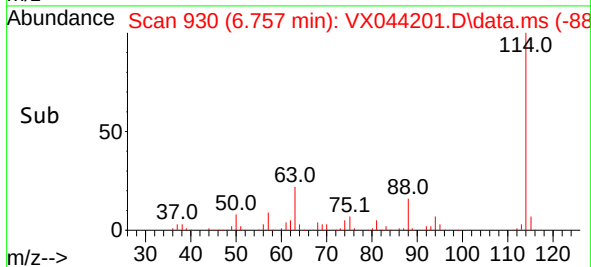
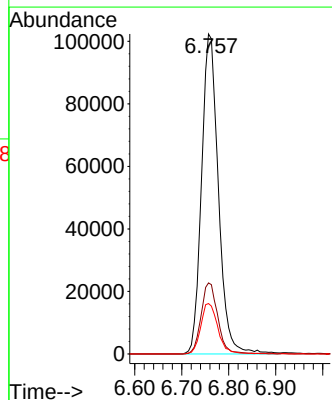
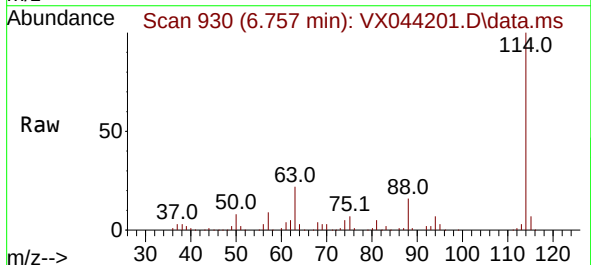
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

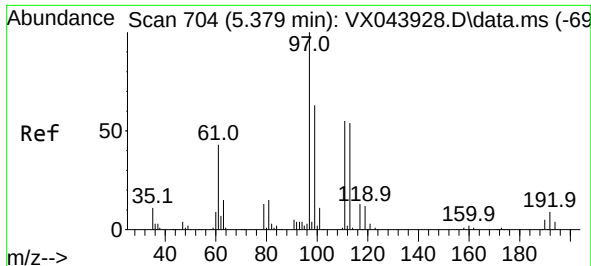
Tgt Ion: 65 Resp: 129362
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 114 Resp: 255477
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.0
88 15.8 0.0 32.4

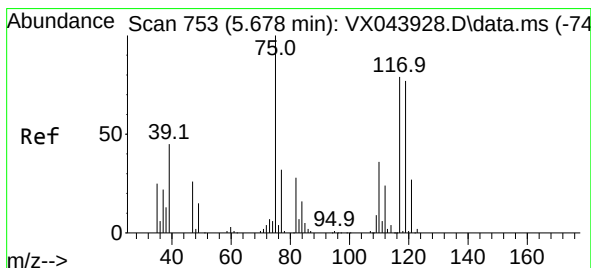
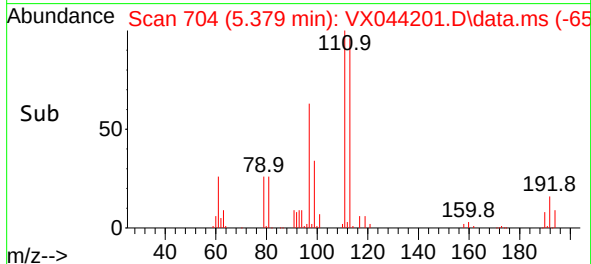
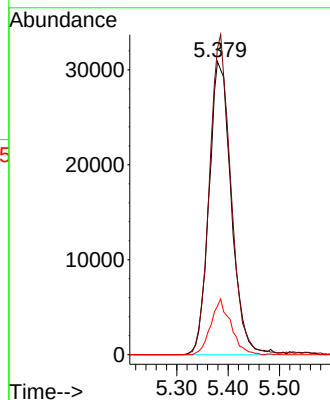
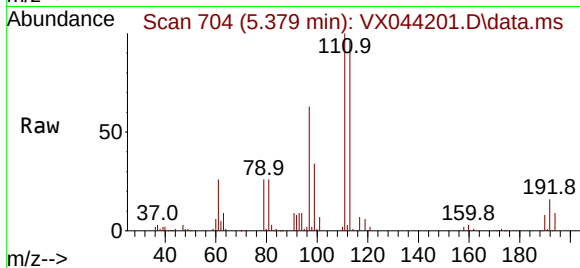




#35
Dibromofluoromethane
Concen: 50.900 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

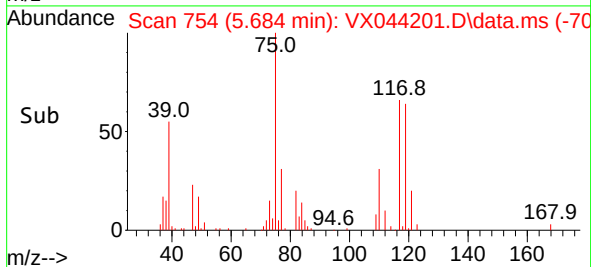
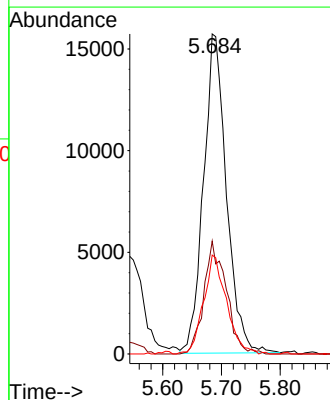
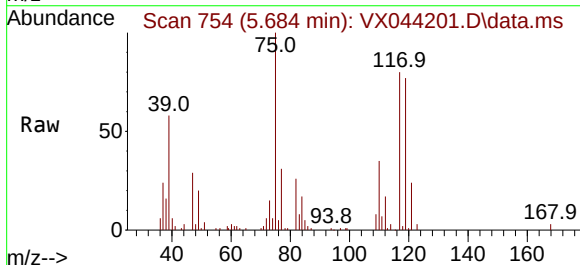
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

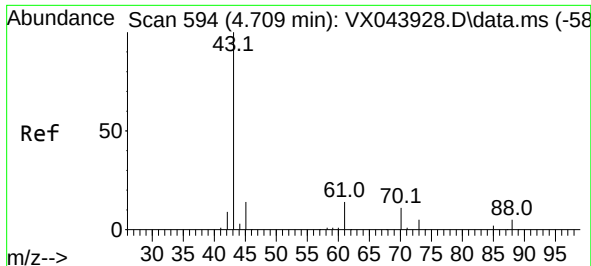
Tgt Ion:113 Resp: 92918
Ion Ratio Lower Upper
113 100
111 104.4 81.0 121.4
192 17.1 13.0 19.6



#36
1,1-Dichloropropene
Concen: 18.774 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 42707
Ion Ratio Lower Upper
75 100
110 34.4 17.4 52.2
77 31.0 25.8 38.8

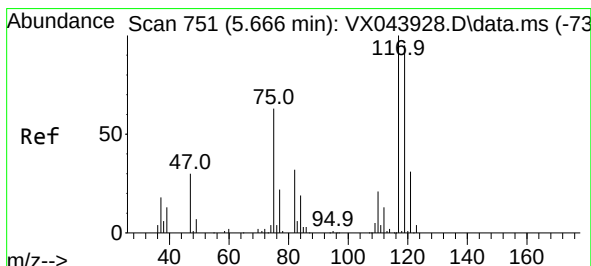
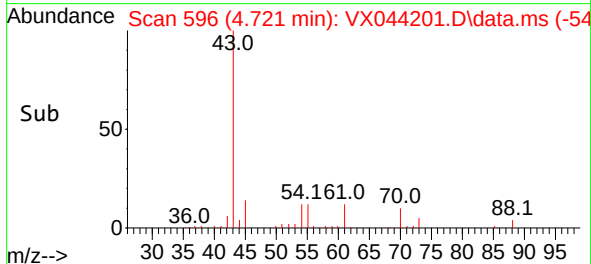
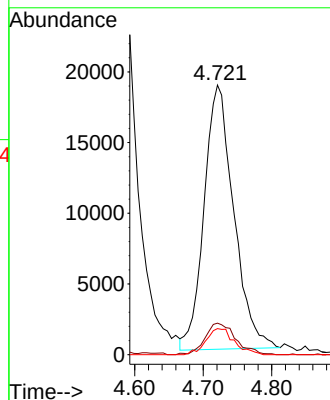
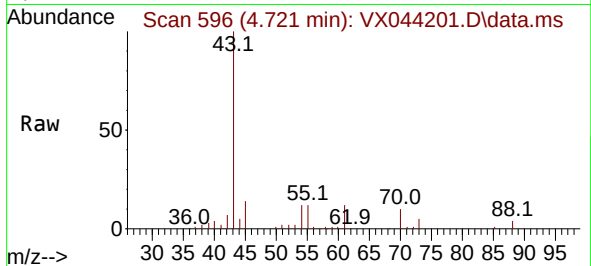




#37
Ethyl Acetate
Concen: 19.911 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

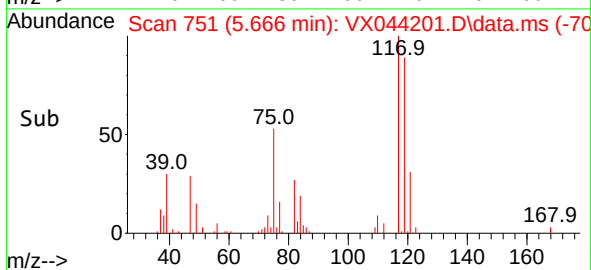
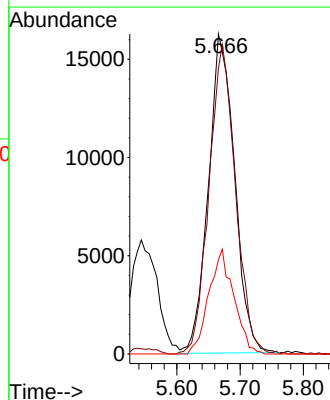
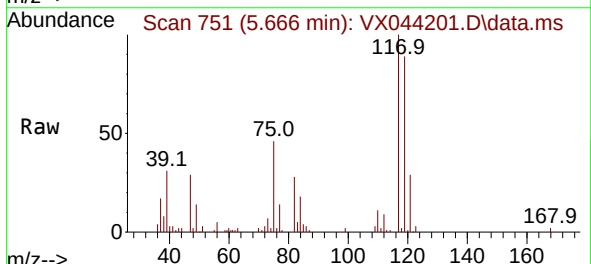
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

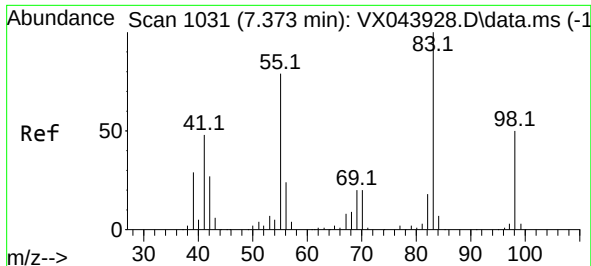
Tgt Ion: 43 Resp: 56223
Ion Ratio Lower Upper
43 100
61 12.4 10.7 16.1
70 9.4 8.0 12.0



#38
Carbon Tetrachloride
Concen: 18.283 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 117 Resp: 46733
Ion Ratio Lower Upper
117 100
119 89.7 75.2 112.8
121 29.5 24.5 36.7





#39

Methylcyclohexane

Concen: 16.811 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

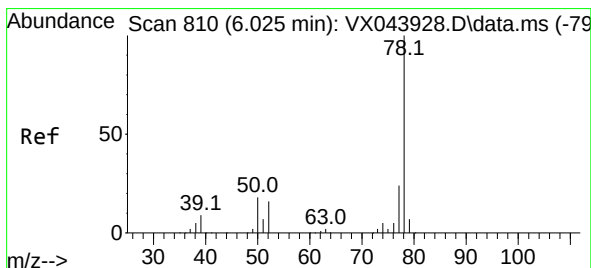
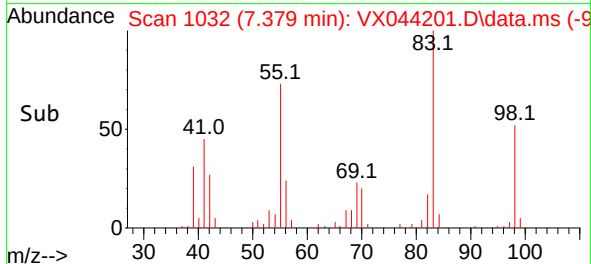
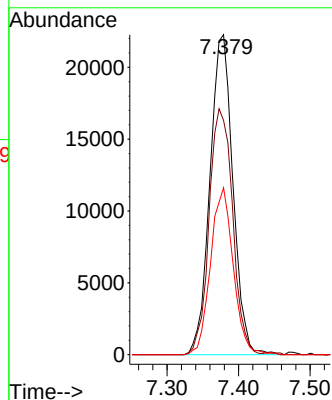
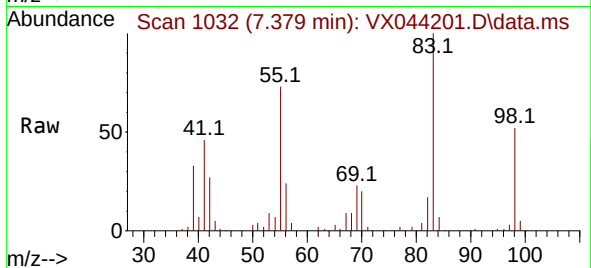
Tgt Ion: 83 Resp: 49682

Ion Ratio Lower Upper

83 100

55 73.2 63.1 94.7

98 52.1 40.0 60.0



#40

Benzene

Concen: 19.024 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044201.D

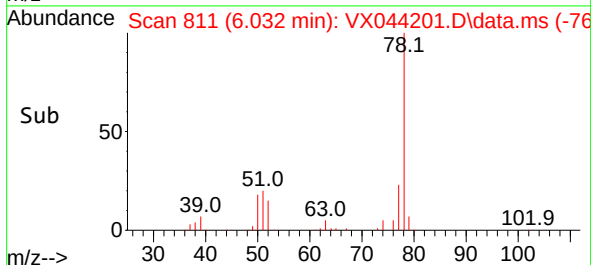
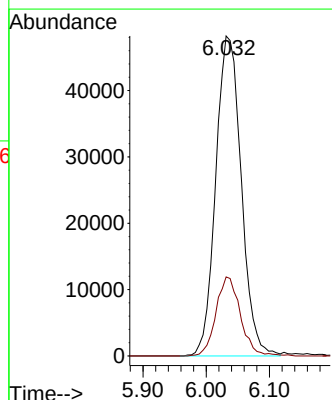
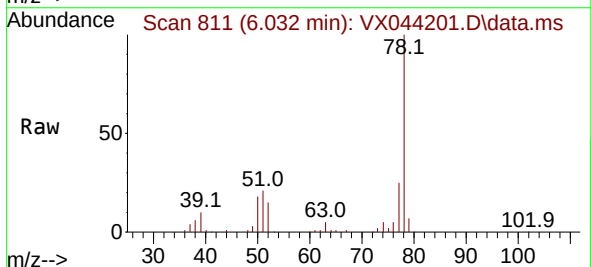
Acq: 10 Dec 2024 12:22

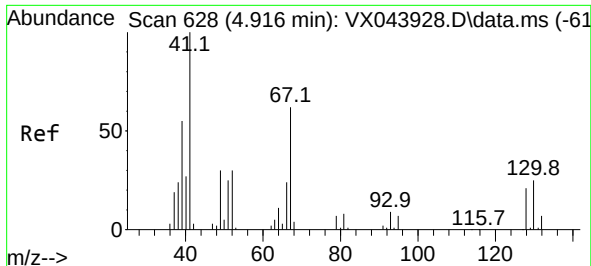
Tgt Ion: 78 Resp: 134799

Ion Ratio Lower Upper

78 100

77 24.7 19.2 28.8

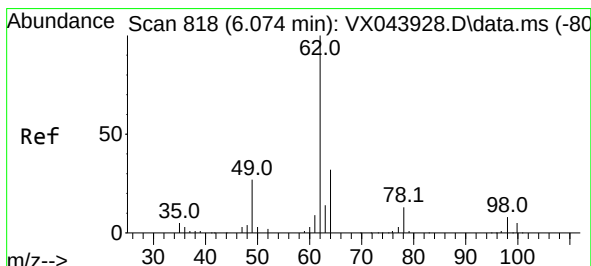
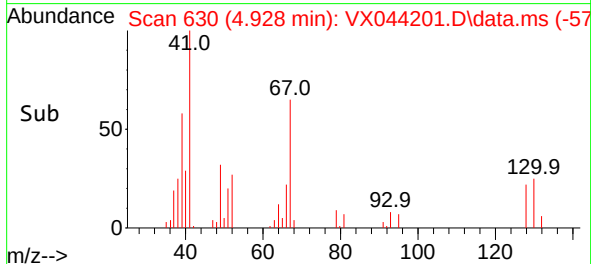
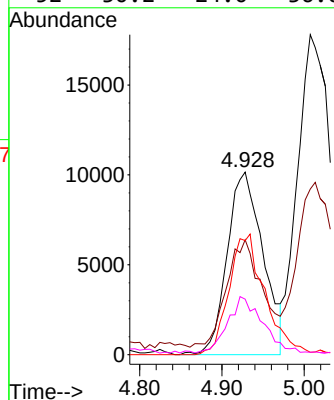
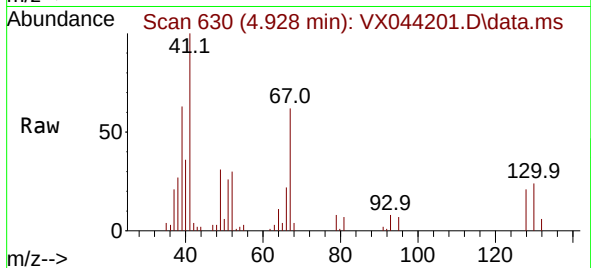




#41
Methacrylonitrile
Concen: 21.331 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

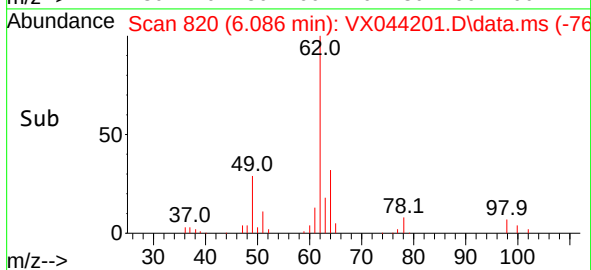
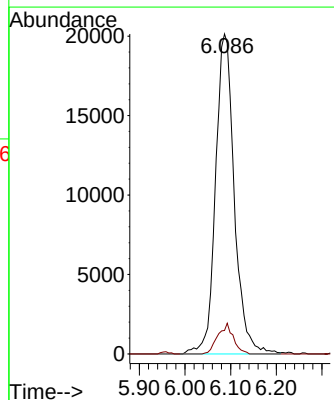
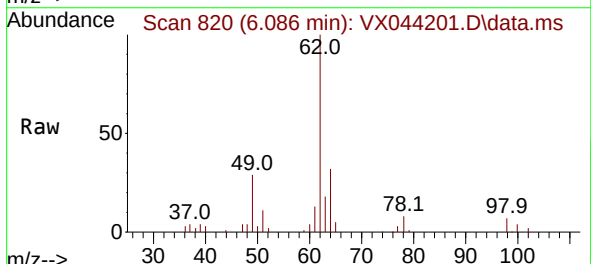
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

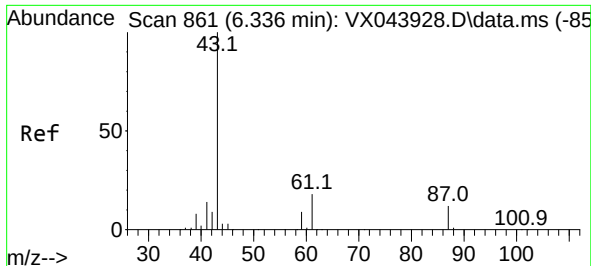
Tgt Ion:	41	Resp:	30829
Ion	Ratio	Lower	Upper
41	100		
39	58.6	41.7	62.5
67	66.2	55.8	83.8
52	30.2	24.0	36.0



#42
1,2-Dichloroethane
Concen: 20.207 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:	62	Resp:	57506
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.4

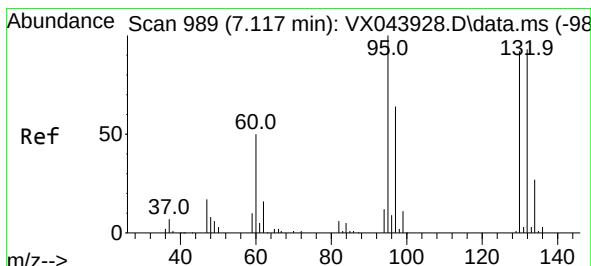
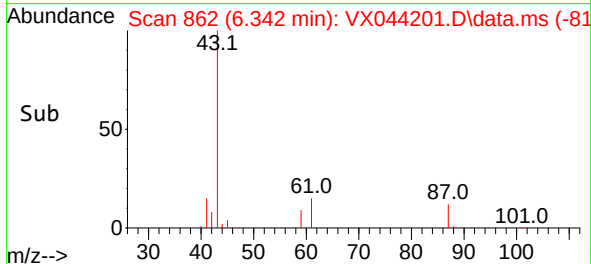
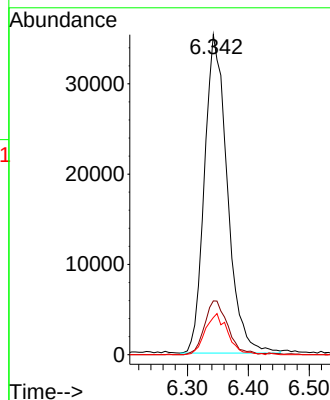
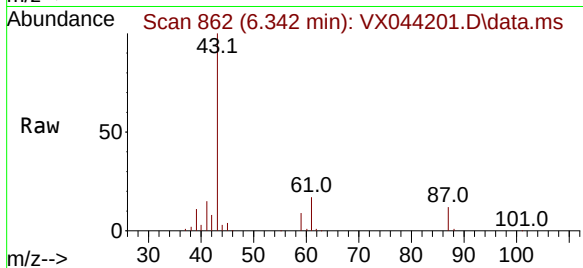




#43
Isopropyl Acetate
Concen: 20.496 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

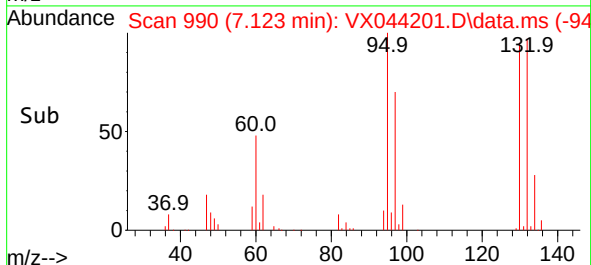
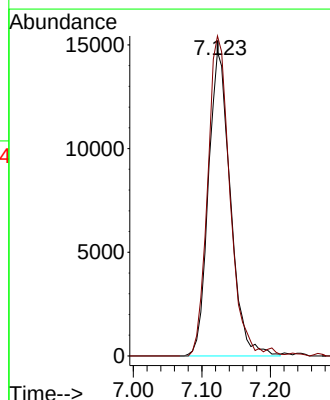
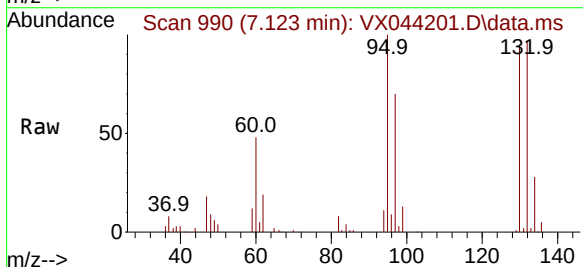
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

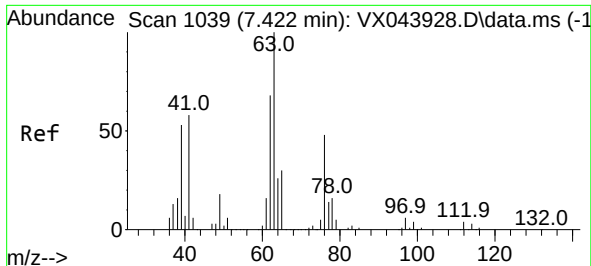
Tgt Ion: 43 Resp: 92107
Ion Ratio Lower Upper
43 100
61 17.1 14.5 21.7
87 12.7 10.2 15.2



#44
Trichloroethene
Concen: 16.377 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:130 Resp: 32850
Ion Ratio Lower Upper
130 100
95 105.1 0.0 217.8





#45

1,2-Dichloropropane

Concen: 19.687 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

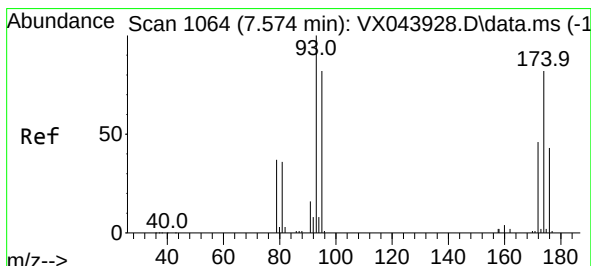
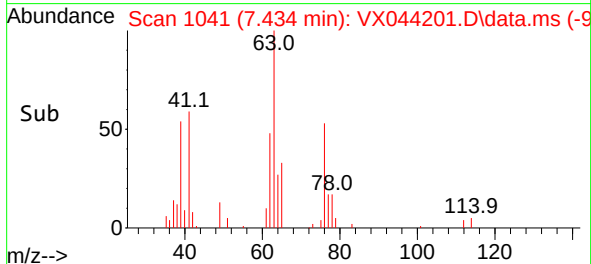
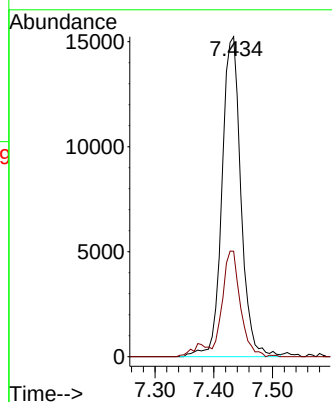
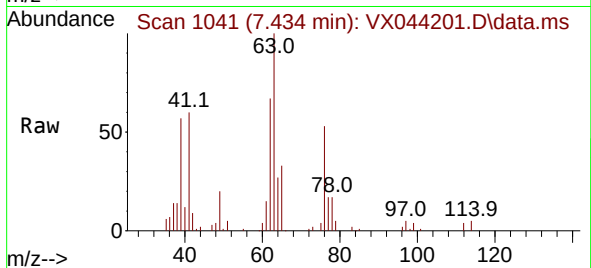
VX1210WBS01

Tgt Ion: 63 Resp: 34167

Ion Ratio Lower Upper

63 100

65 32.9 23.8 35.6



#46

Dibromomethane

Concen: 20.310 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

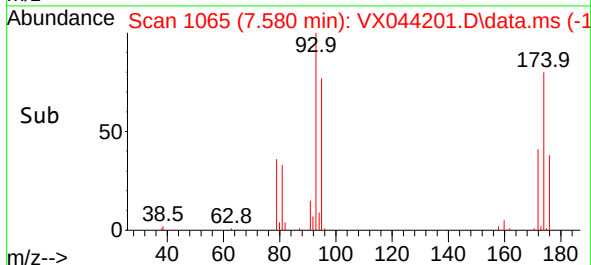
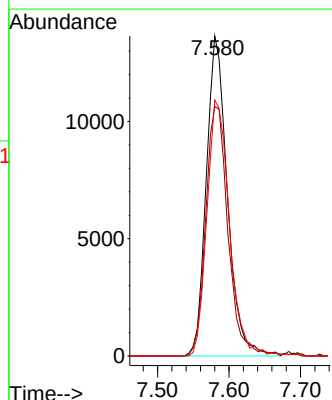
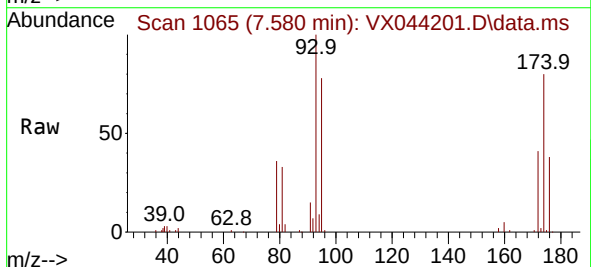
Tgt Ion: 93 Resp: 27883

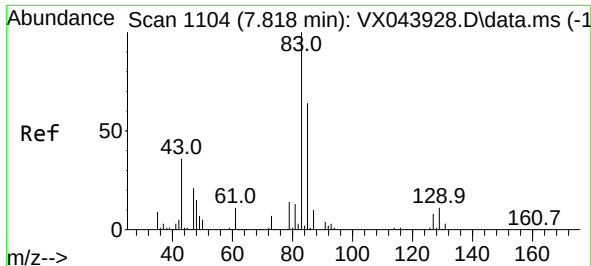
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 85.7 69.6 104.4

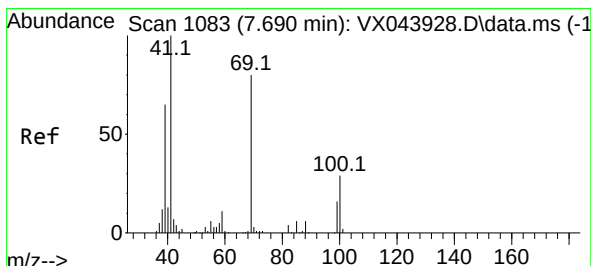
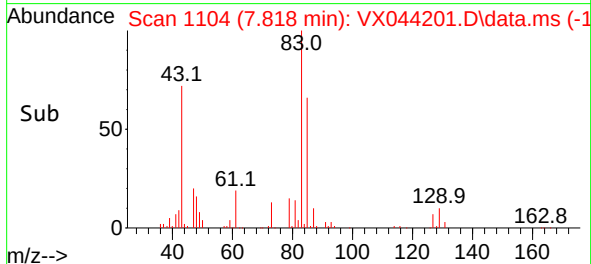
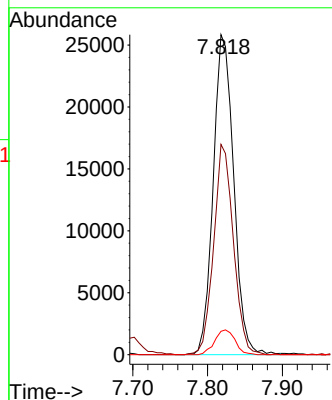
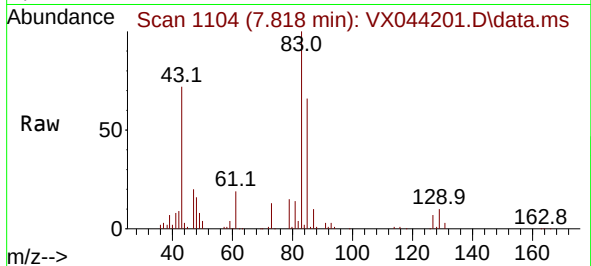




#47
Bromodichloromethane
Concen: 19.988 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

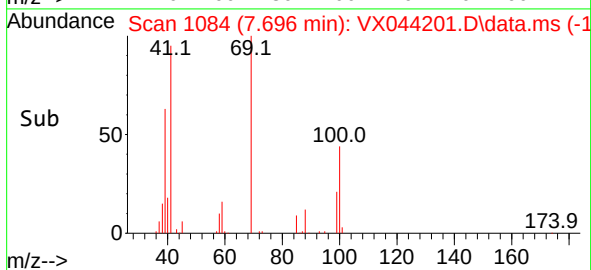
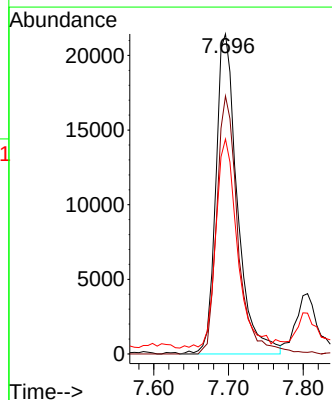
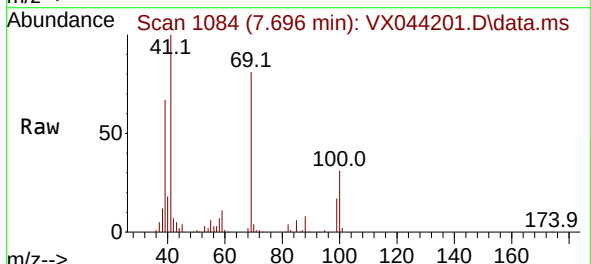
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

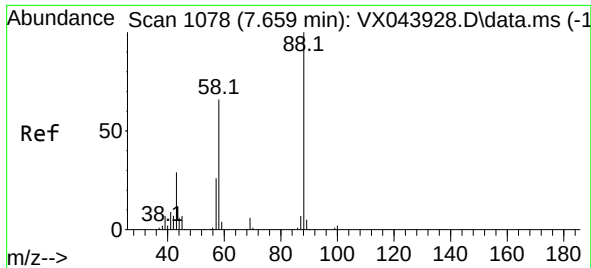
Tgt Ion: 83 Resp: 49215
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.0
127 7.3 6.6 10.0



#48
Methyl methacrylate
Concen: 19.951 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 41 Resp: 43021
Ion Ratio Lower Upper
41 100
69 79.4 64.6 97.0
39 66.2 53.3 79.9

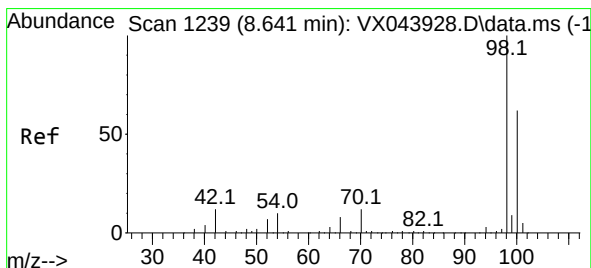
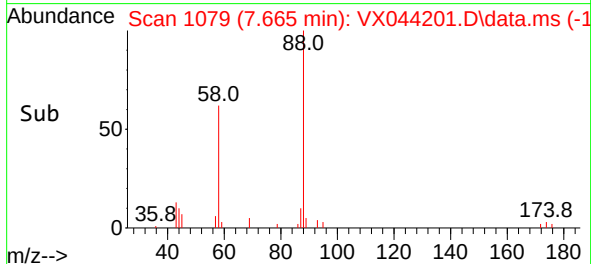
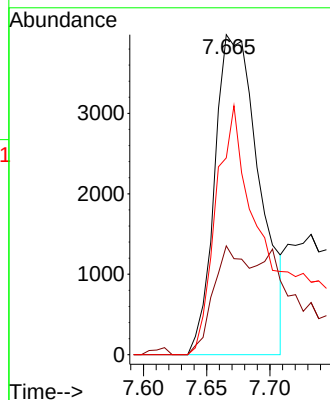
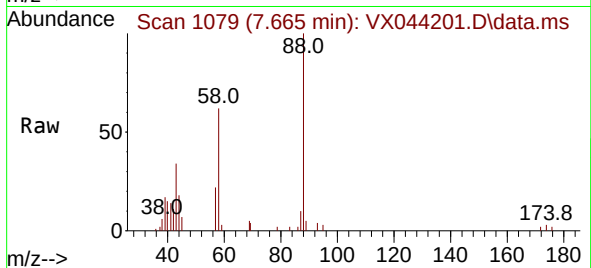




#49
1,4-Dioxane
Concen: 256.541 ug/l
RT: 7.665 min Scan# 110
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

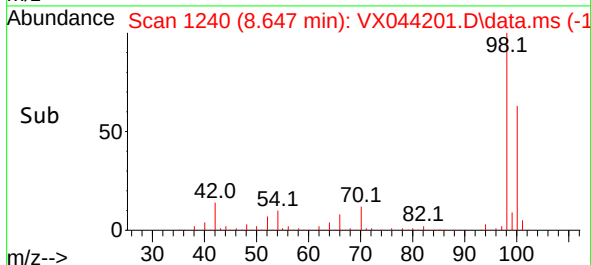
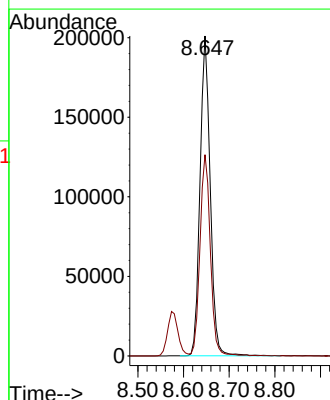
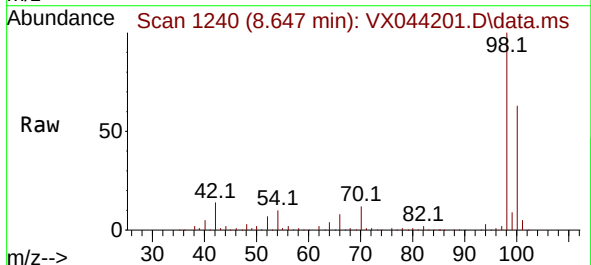
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

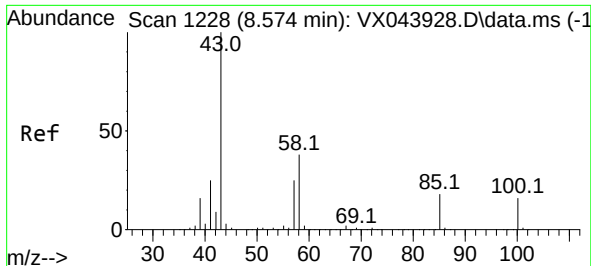
Tgt Ion: 88 Resp: 9854
Ion Ratio Lower Upper
88 100
43 25.5 26.8 40.2#
58 123.7 45.4 68.2#



#50
Toluene-d8
Concen: 49.578 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 98 Resp: 311978
Ion Ratio Lower Upper
98 100
100 64.0 52.6 79.0

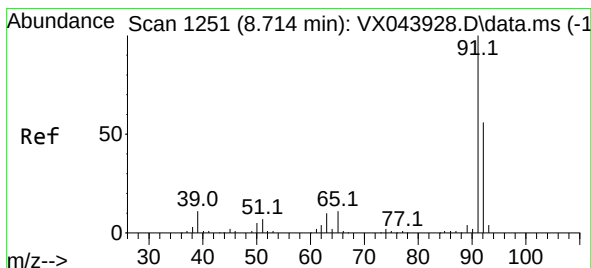
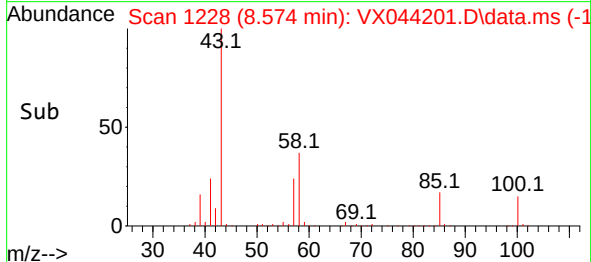
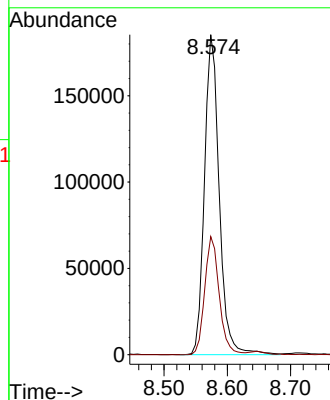
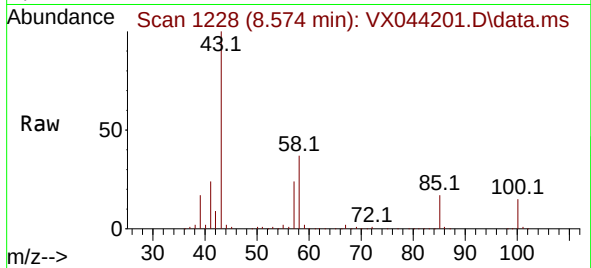




#51
4-Methyl-2-Pentanone
Concen: 110.009 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

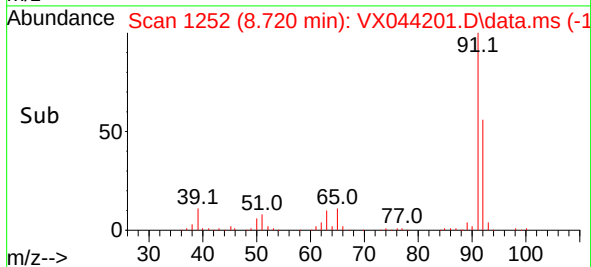
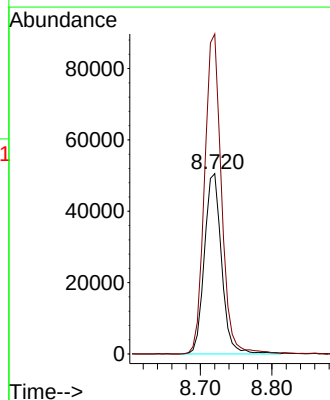
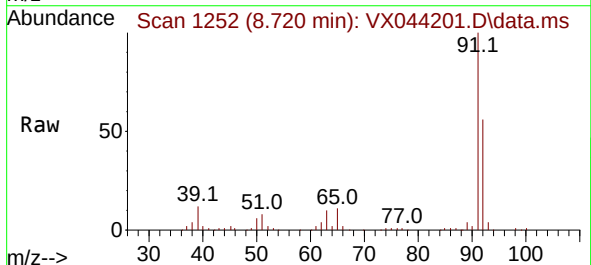
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

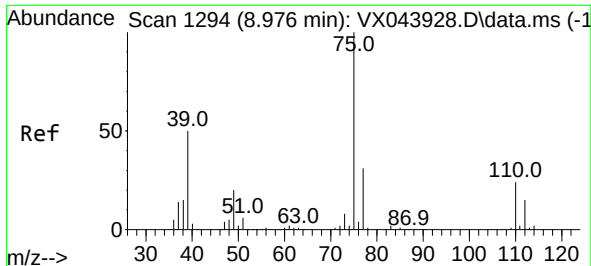
Tgt Ion: 43 Resp: 301689
Ion Ratio Lower Upper
43 100
58 36.3 30.0 45.0



#52
Toluene
Concen: 19.858 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 92 Resp: 84219
Ion Ratio Lower Upper
92 100
91 175.5 139.7 209.5

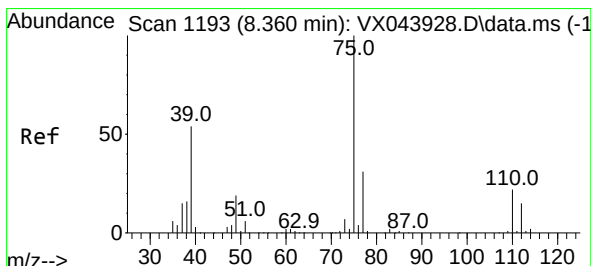
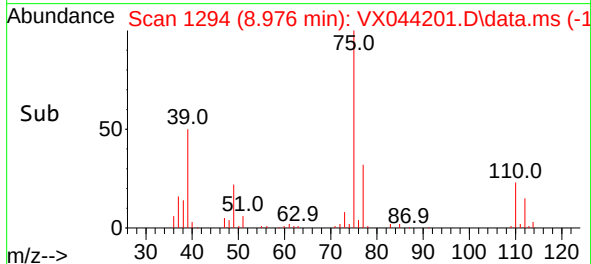
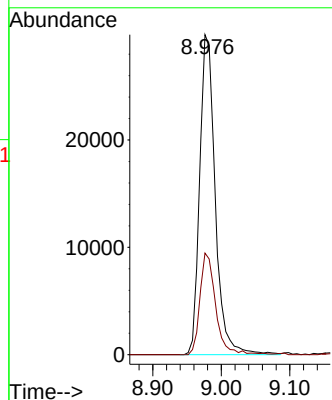
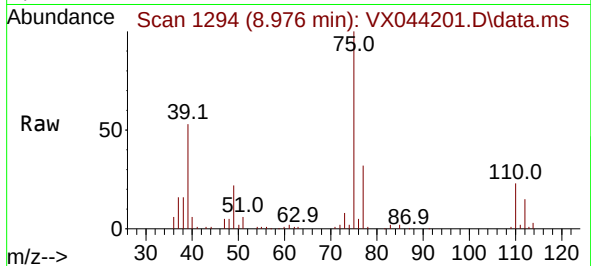




#53
 t-1,3-Dichloropropene
 Concen: 18.833 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

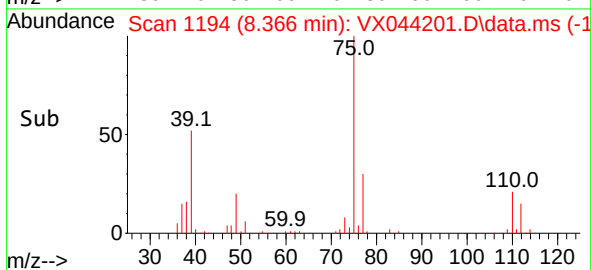
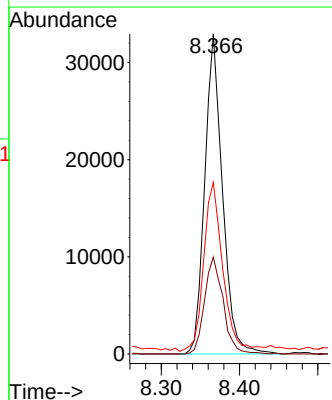
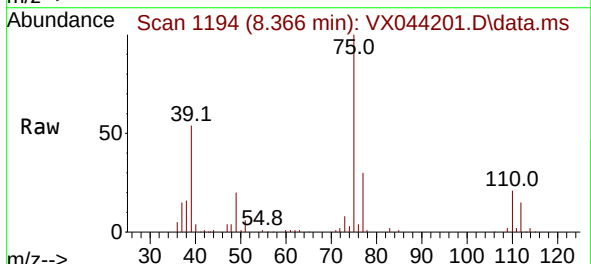
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

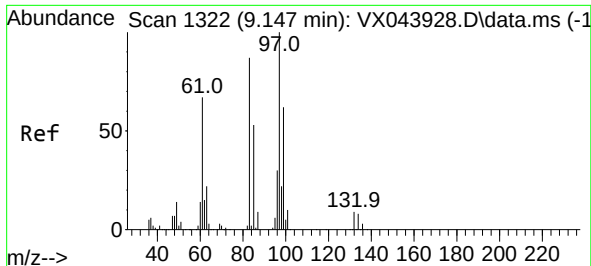
Tgt Ion: 75 Resp: 47285
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 18.834 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

Tgt Ion: 75 Resp: 51841
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.2 37.8
 39 52.8 43.1 64.7

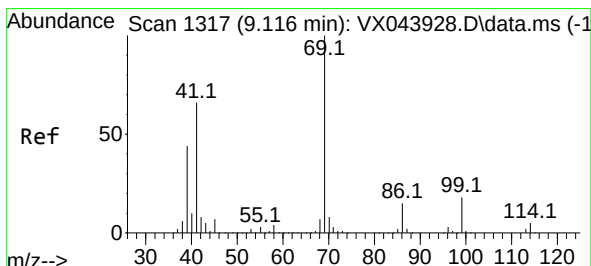
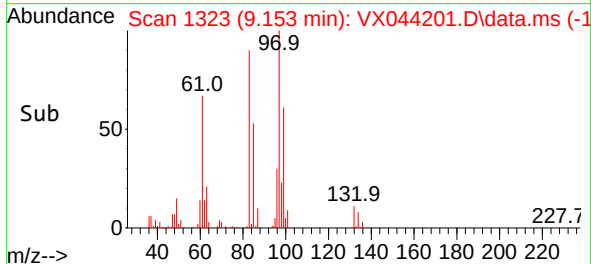
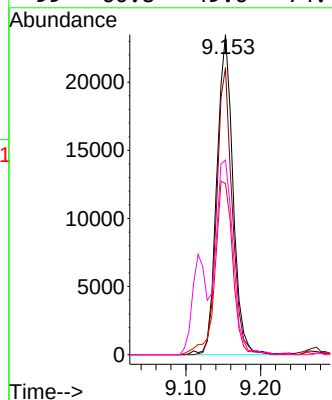
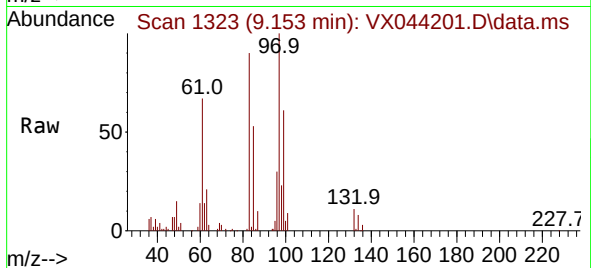




#55
1,1,2-Trichloroethane
Concen: 20.164 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

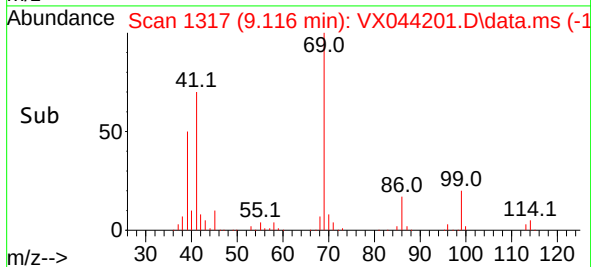
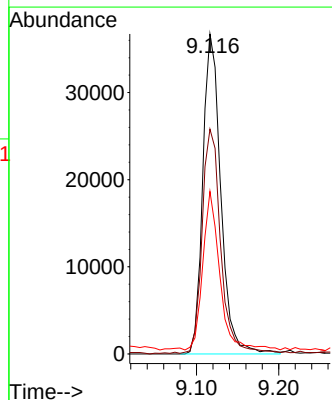
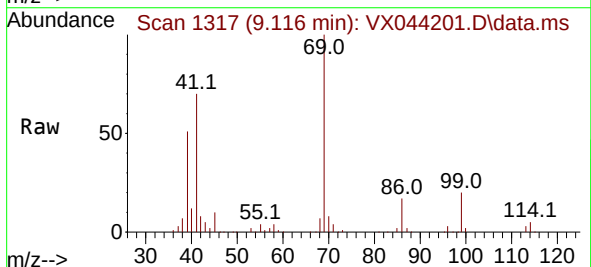
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

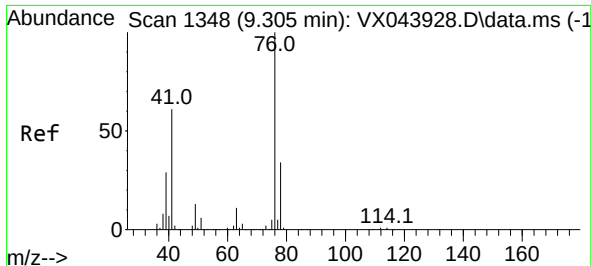
Tgt Ion: 97	Resp: 35301
Ion Ratio	Lower Upper
97 100	
83 89.7	69.4 104.0
85 53.5	42.3 63.5
99 60.8	49.6 74.4



#56
Ethyl methacrylate
Concen: 20.483 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 69	Resp: 55856
Ion Ratio	Lower Upper
69 100	
41 73.7	55.8 83.8
39 46.7	36.7 55.1





#57

1,3-Dichloropropane

Concen: 20.545 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

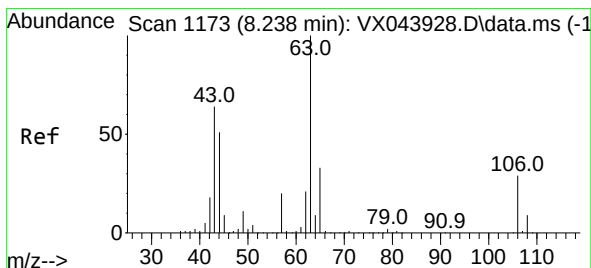
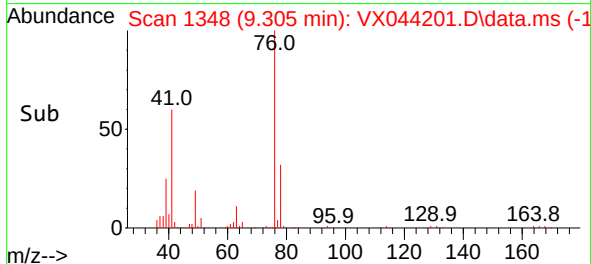
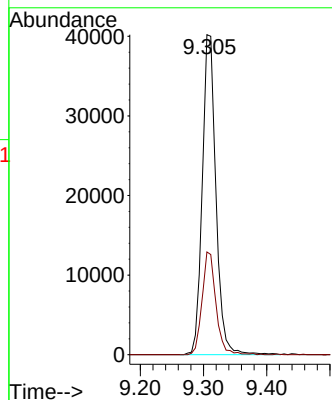
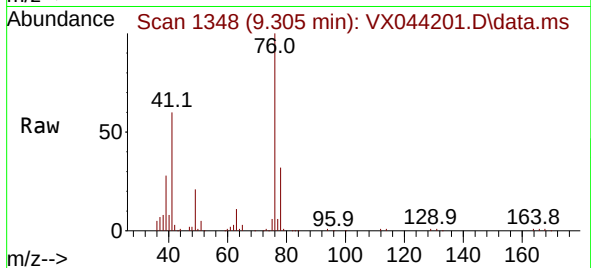
VX1210WBS01

Tgt Ion: 76 Resp: 60589

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 82.064 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044201.D

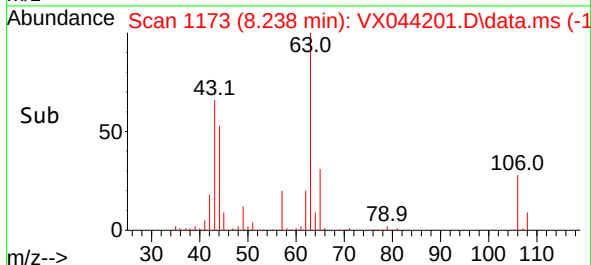
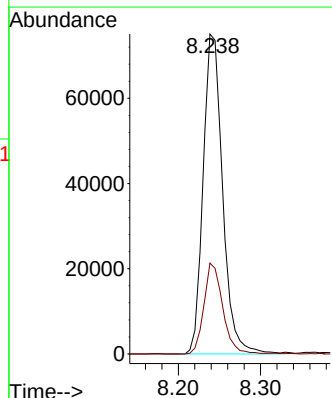
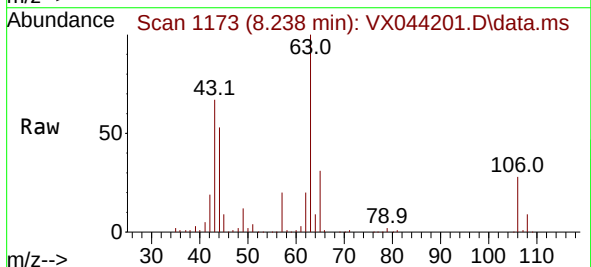
Acq: 10 Dec 2024 12:22

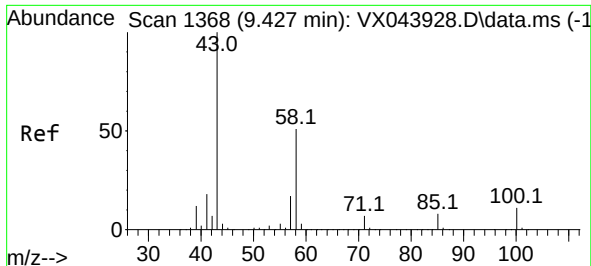
Tgt Ion: 63 Resp: 123591

Ion Ratio Lower Upper

63 100

106 27.3 23.0 34.6





#59

2-Hexanone

Concen: 107.484 ug/l

RT: 9.433 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

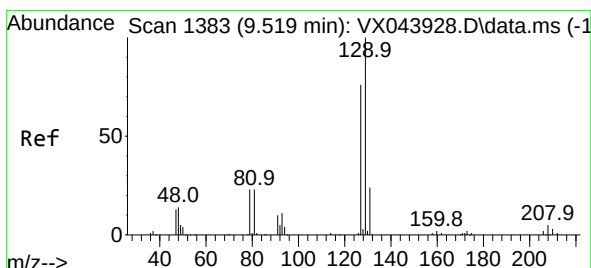
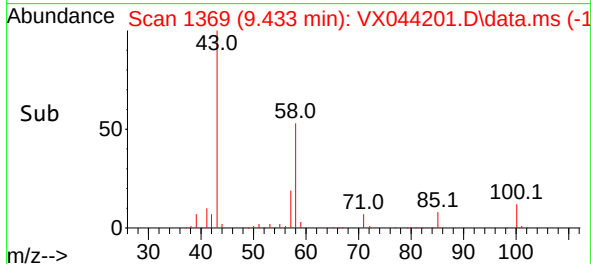
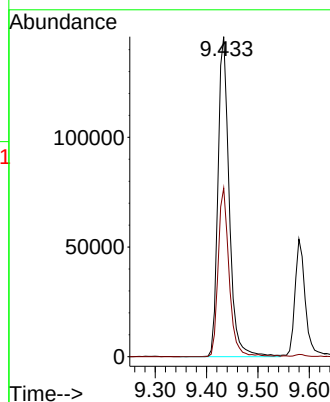
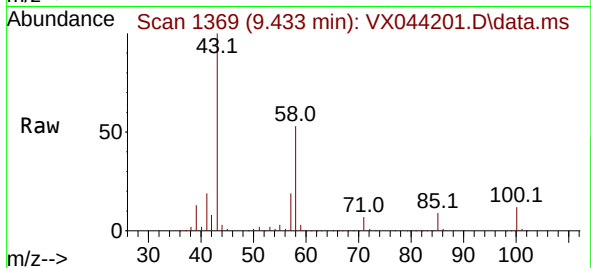
VX1210WBS01

Tgt Ion: 43 Resp: 221552

Ion Ratio Lower Upper

43 100

58 51.4 25.9 77.6



#60

Dibromochloromethane

Concen: 18.791 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044201.D

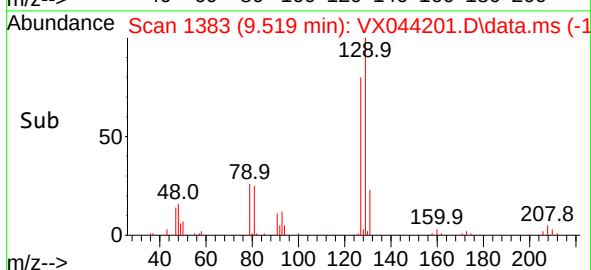
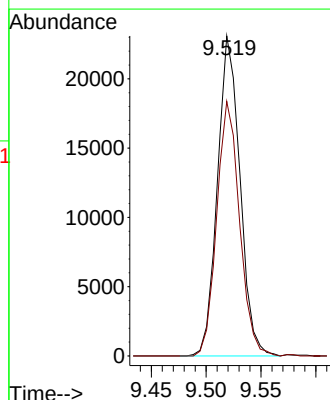
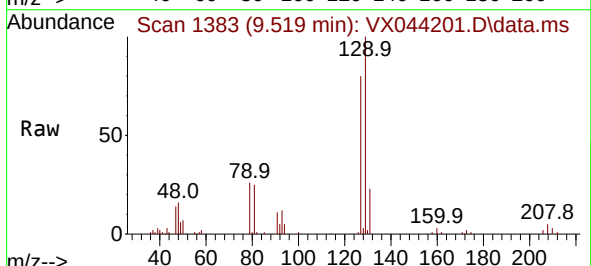
Acq: 10 Dec 2024 12:22

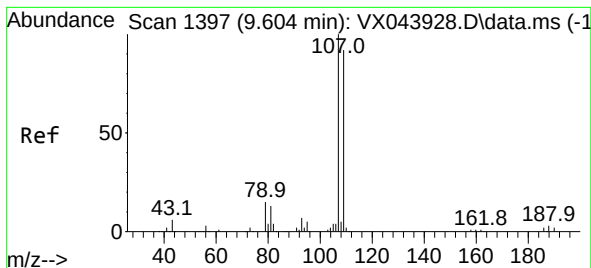
Tgt Ion: 129 Resp: 33007

Ion Ratio Lower Upper

129 100

127 80.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.583 ug/l

RT: 9.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

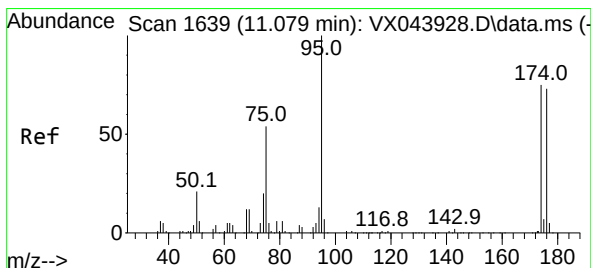
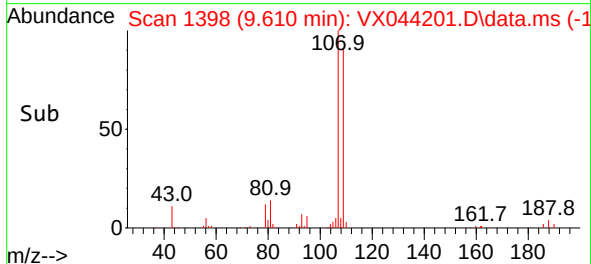
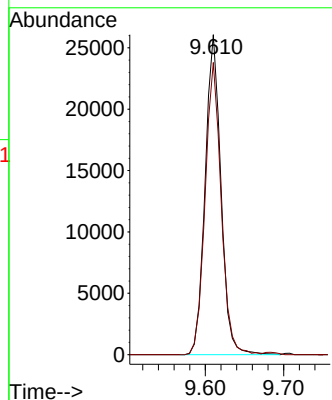
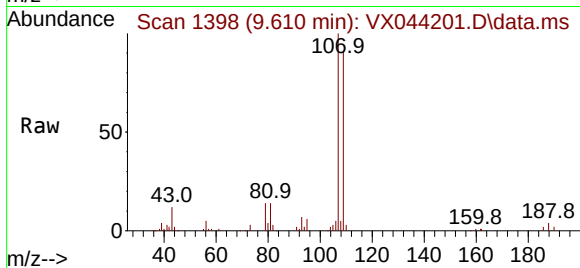
VX1210WBS01

Tgt Ion:107 Resp: 36436

Ion Ratio Lower Upper

107 100

109 92.9 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 51.736 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

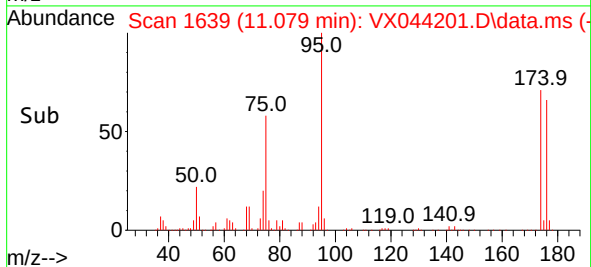
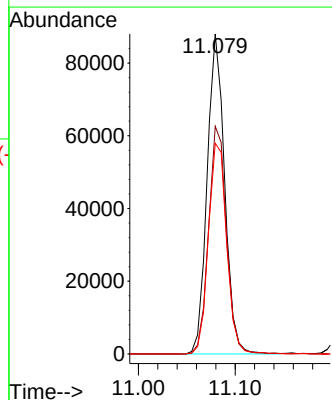
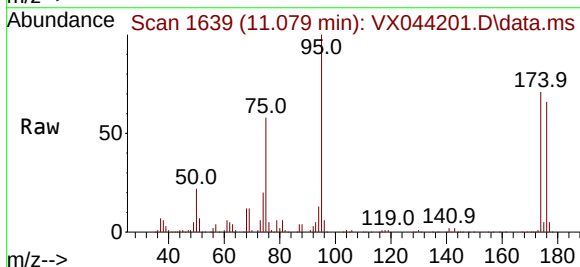
Tgt Ion: 95 Resp: 110798

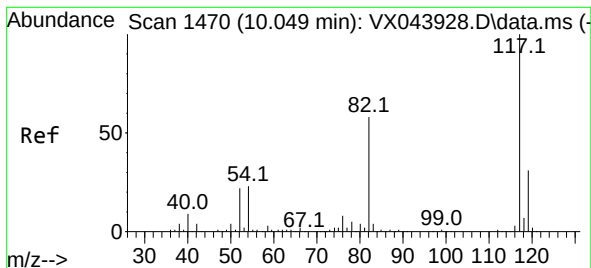
Ion Ratio Lower Upper

95 100

174 72.8 0.0 150.4

176 68.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

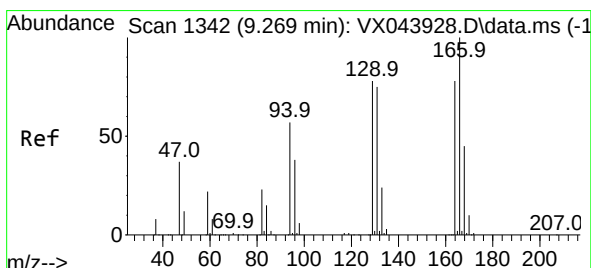
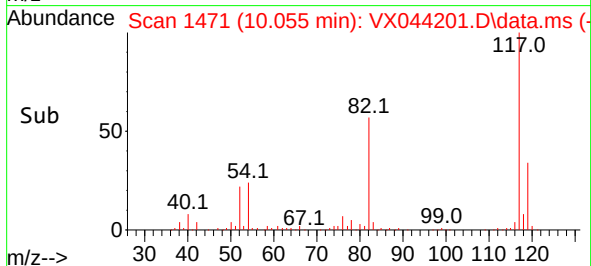
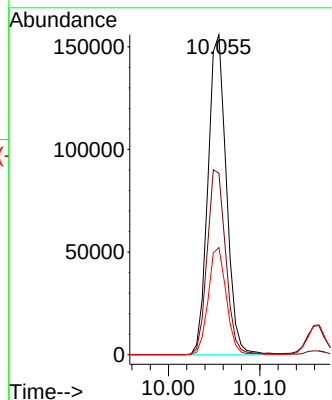
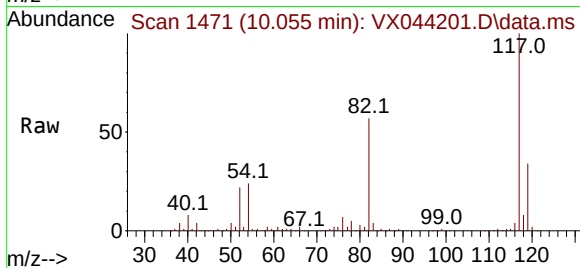
Tgt Ion:117 Resp: 217630

Ion Ratio Lower Upper

117 100

82 56.7 46.4 69.6

119 33.5 24.6 37.0



#64

Tetrachloroethene

Concen: 19.902 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Tgt Ion:164 Resp: 28559

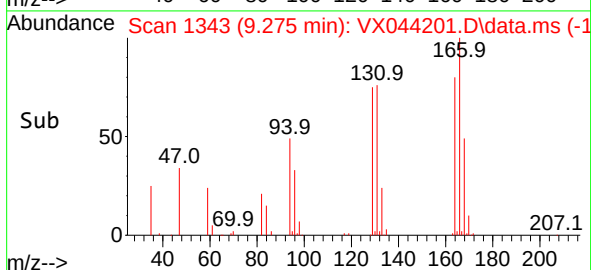
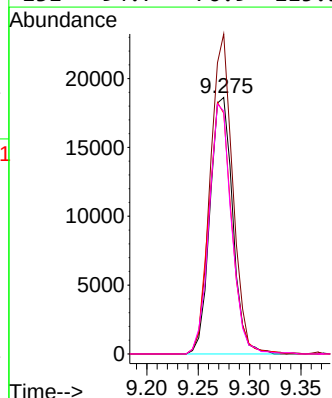
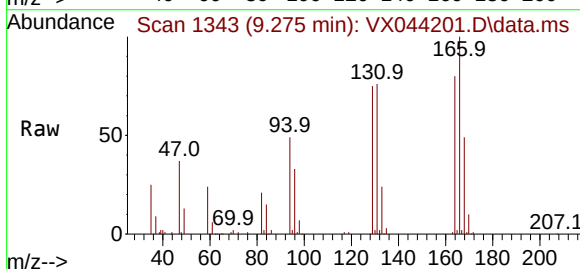
Ion Ratio Lower Upper

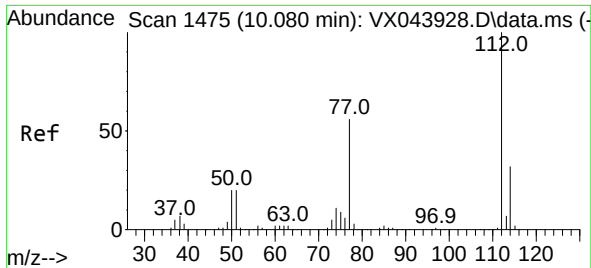
164 100

166 124.8 102.1 153.1

129 93.9 79.6 119.4

131 94.7 76.9 115.3

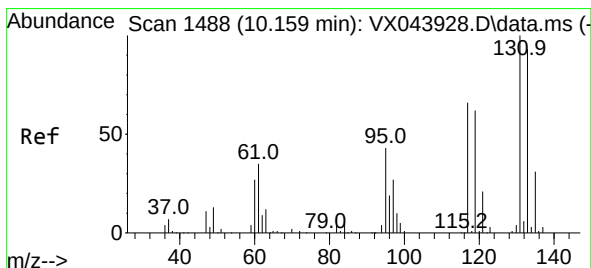
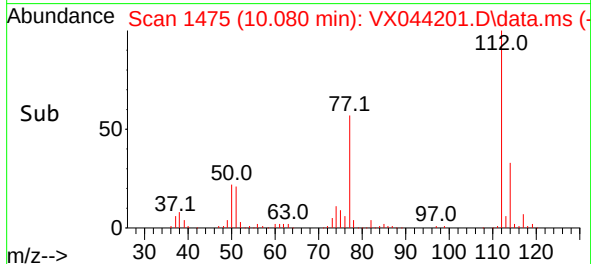
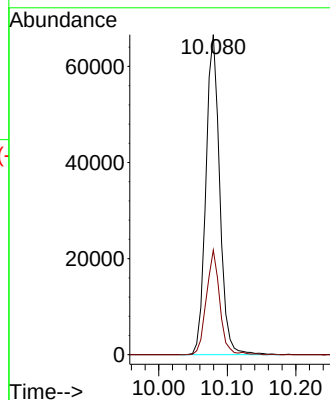
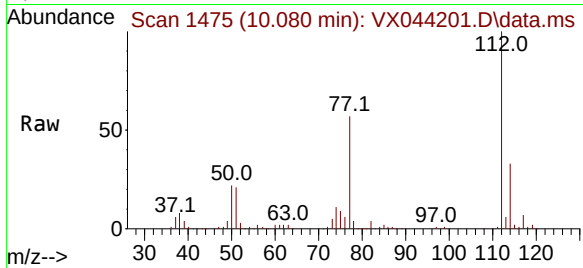




#65
Chlorobenzene
Concen: 19.593 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

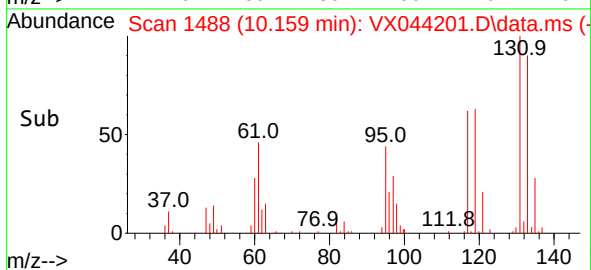
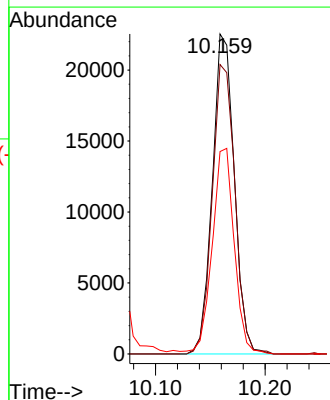
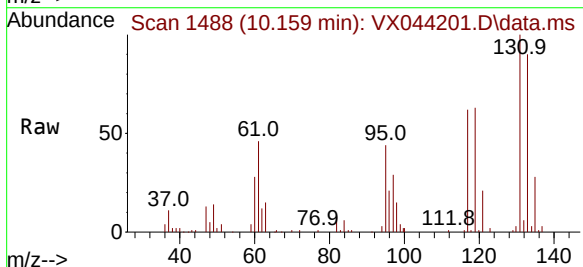
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

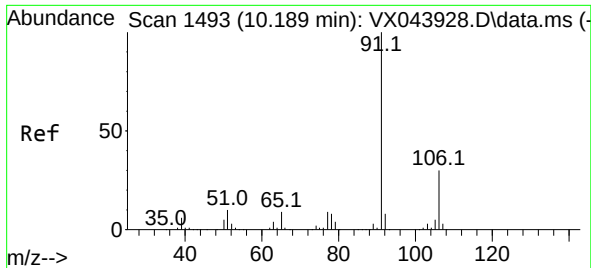
Tgt Ion:112 Resp: 93648
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.220 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:131 Resp: 31344
Ion Ratio Lower Upper
131 100
133 93.4 48.2 144.6
119 64.6 31.5 94.5

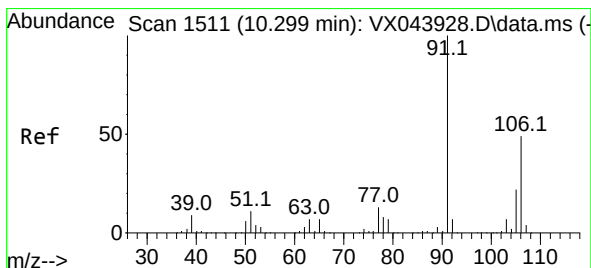
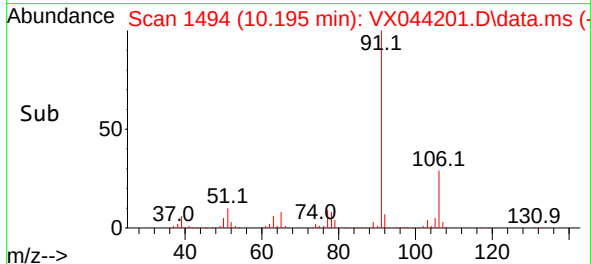
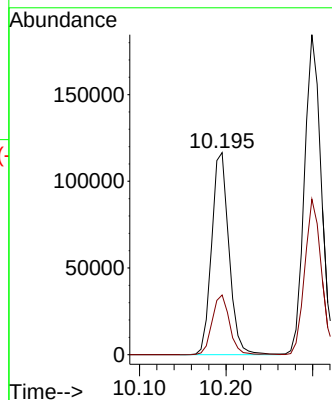
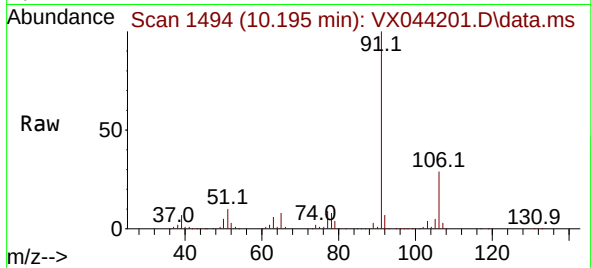




#67
Ethyl Benzene
Concen: 20.000 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

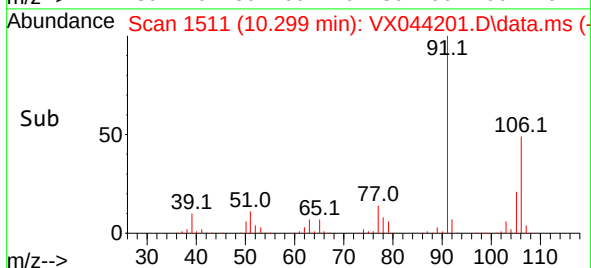
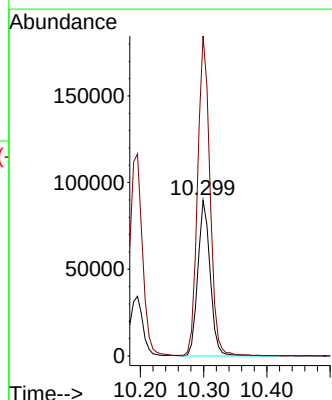
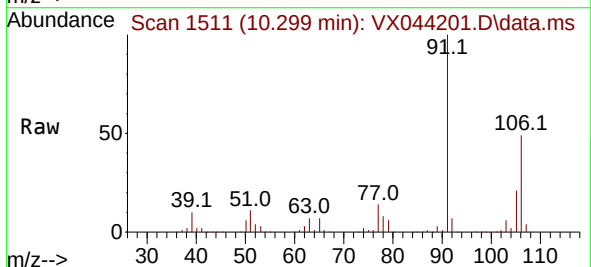
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

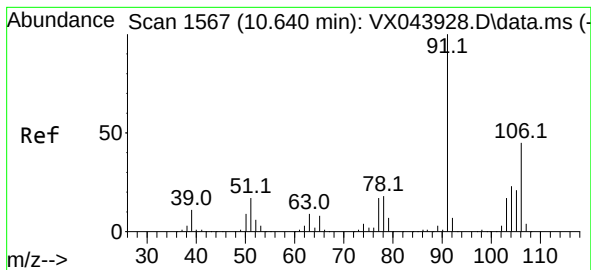
Tgt Ion: 91 Resp: 161984
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4



#68
m/p-Xylenes
Concen: 40.339 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 106 Resp: 121841
Ion Ratio Lower Upper
106 100
91 206.2 168.1 252.1

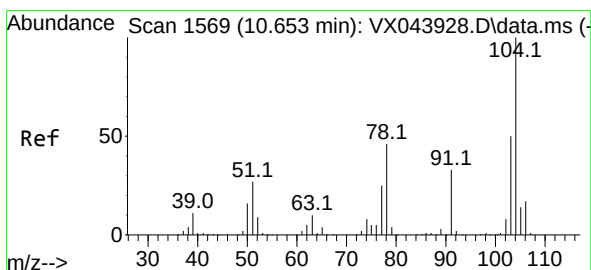
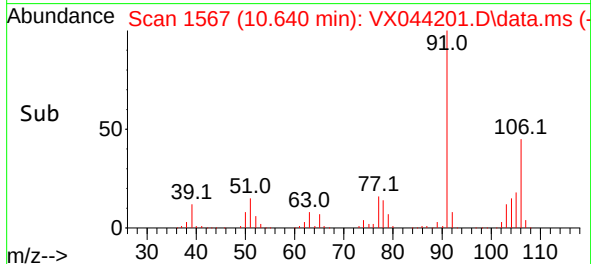
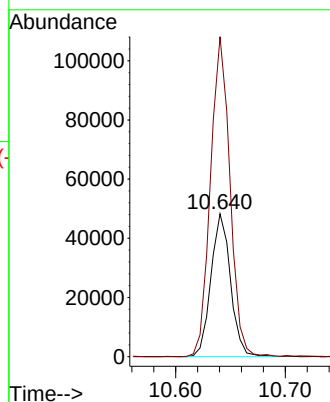
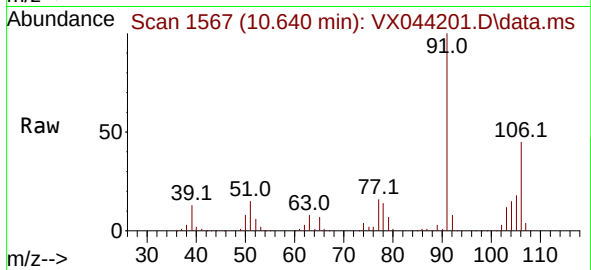




#69
o-Xylene
Concen: 20.286 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

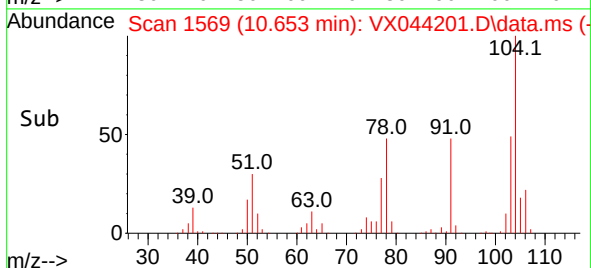
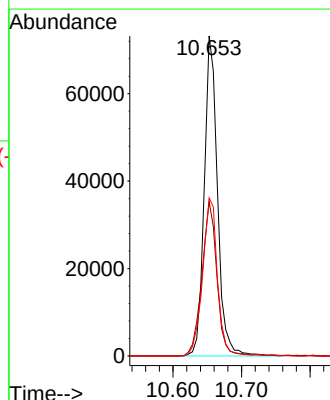
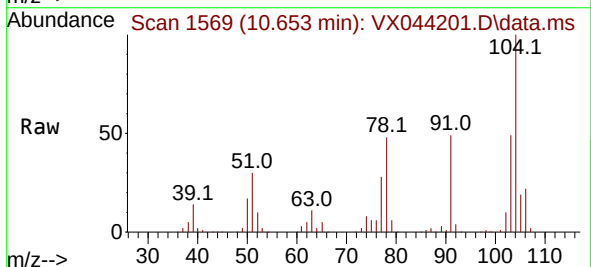
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

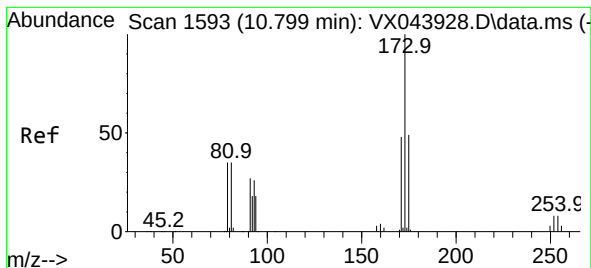
Tgt Ion:106 Resp: 59823
Ion Ratio Lower Upper
106 100
91 223.5 110.2 330.6



#70
Styrene
Concen: 20.249 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:104 Resp: 98764
Ion Ratio Lower Upper
104 100
78 54.7 42.2 63.2
103 55.5 44.7 67.1

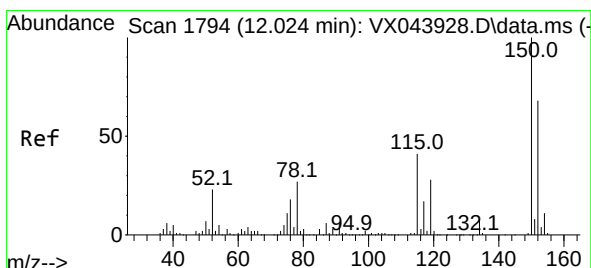
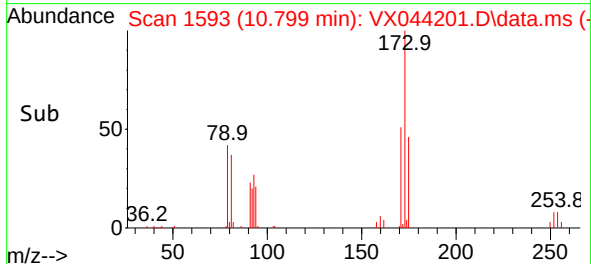
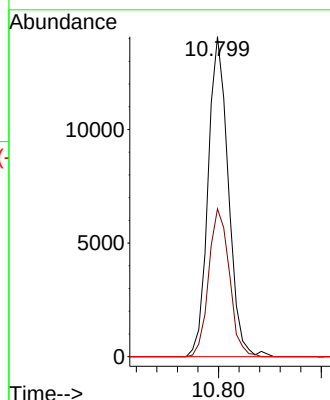
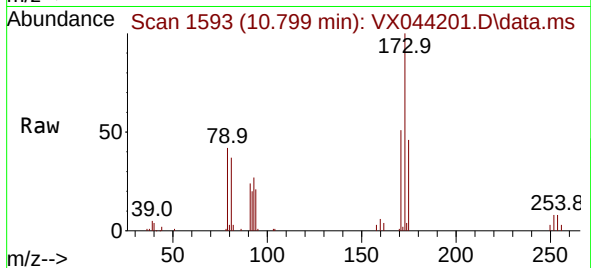




#71
Bromoform
Concen: 17.726 ug/l
RT: 10.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

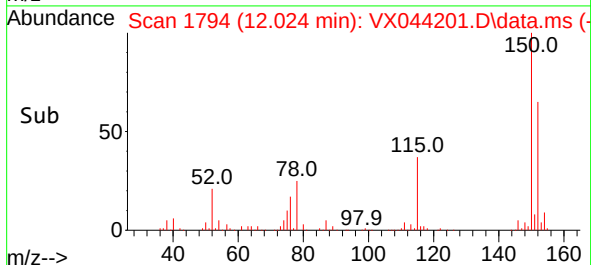
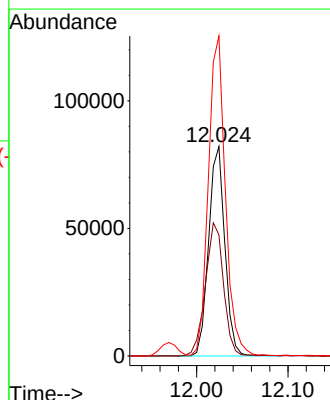
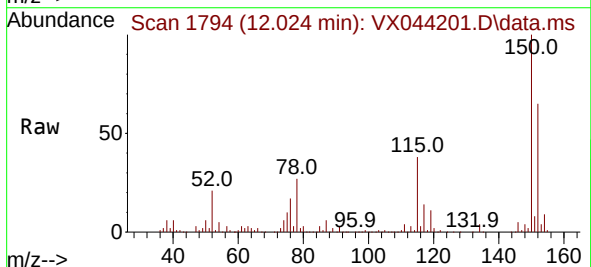
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

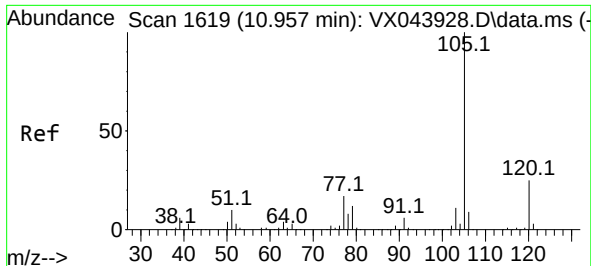
Tgt Ion:173 Resp: 19230
Ion Ratio Lower Upper
173 100
175 47.0 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:152 Resp: 101326
Ion Ratio Lower Upper
152 100
115 71.1 45.4 136.2
150 159.7 0.0 353.0

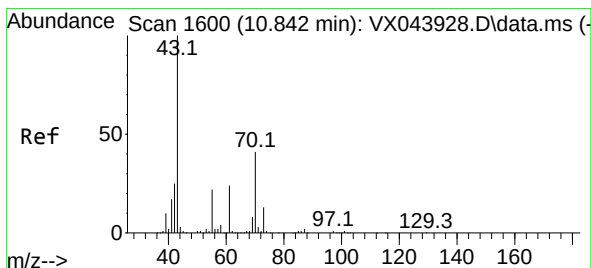
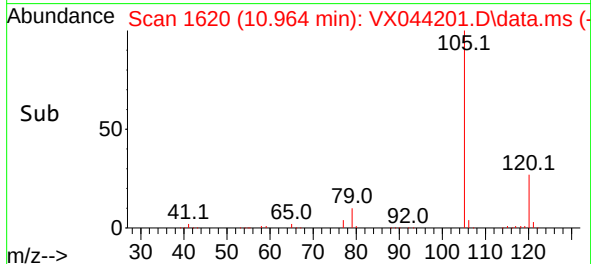
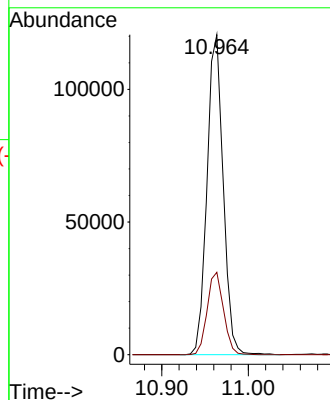
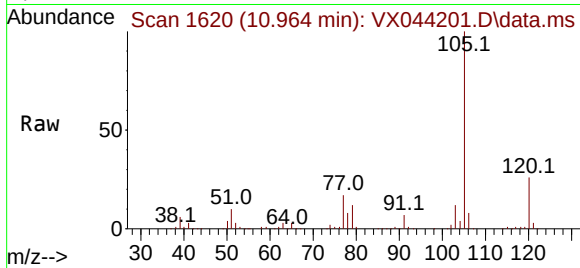




#73
Isopropylbenzene
Concen: 20.063 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

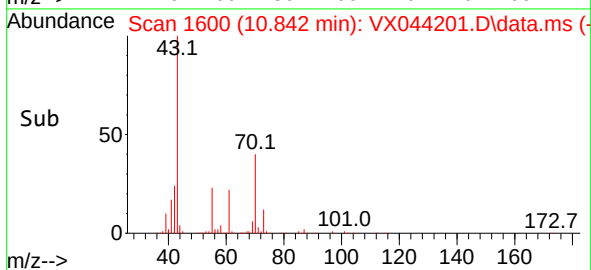
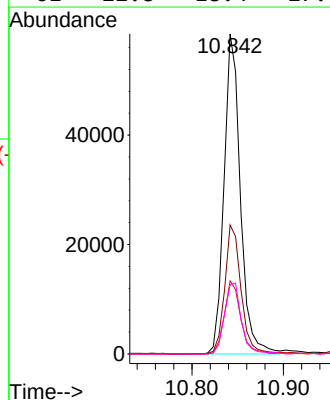
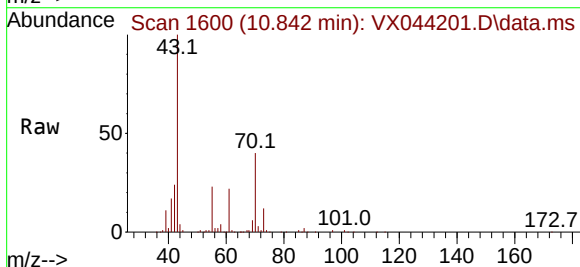
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

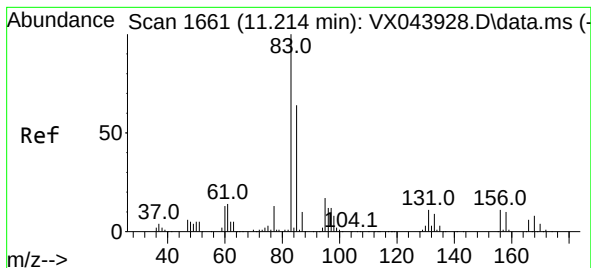
Tgt Ion:105 Resp: 156270
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9



#74
N-ethyl acetate
Concen: 20.177 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 43 Resp: 72802
Ion Ratio Lower Upper
43 100
70 40.9 32.2 48.2
55 22.9 18.1 27.1
61 22.8 18.4 27.6

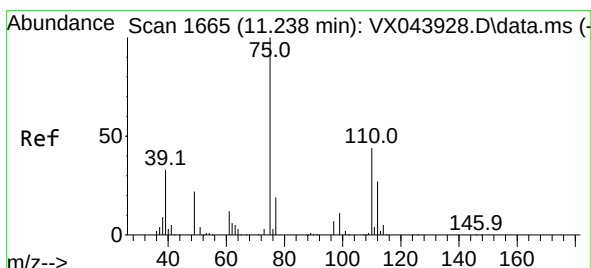
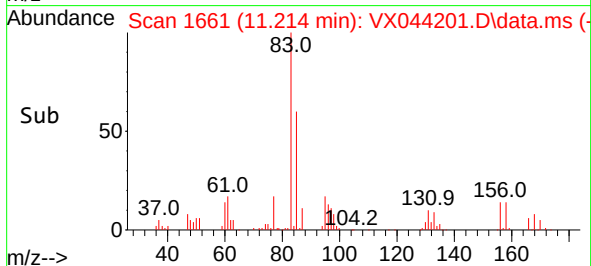
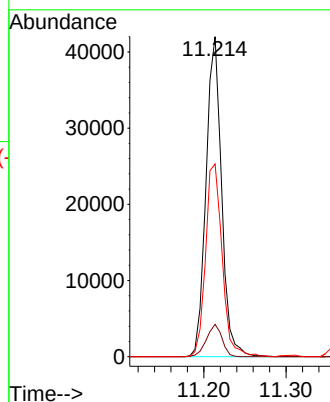
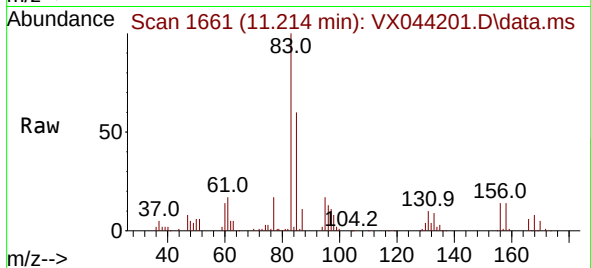




#75
1,1,2,2-Tetrachloroethane
Concen: 20.740 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

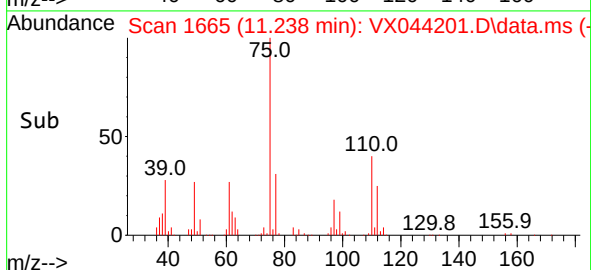
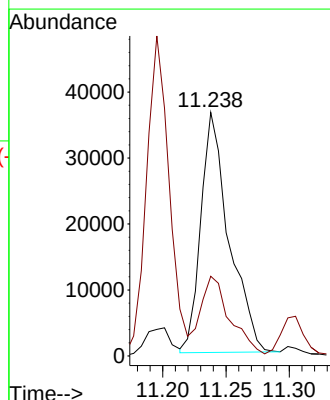
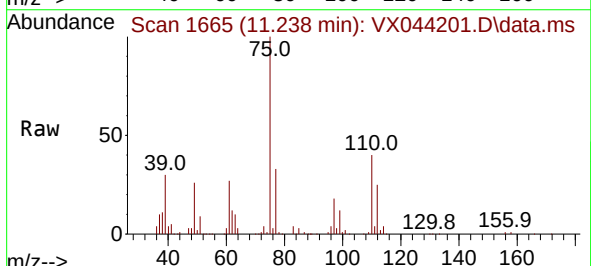
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

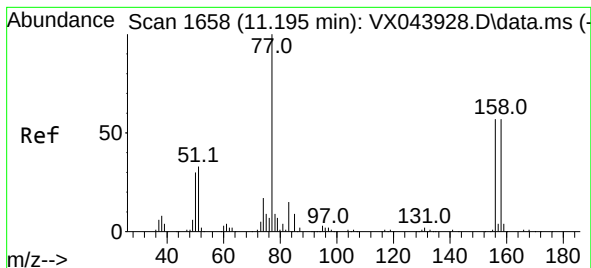
Tgt Ion:	83	Resp:	55313
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	64.2	32.2	96.6



#76
1,2,3-Trichloropropane
Concen: 25.476 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:	75	Resp:	56610
Ion Ratio	Lower	Upper	
75	100		
77	35.1	21.8	65.3





#77

Bromobenzene

Concen: 19.549 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

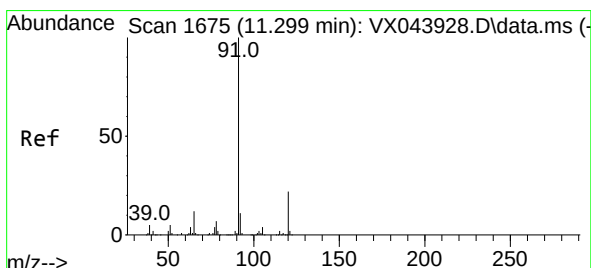
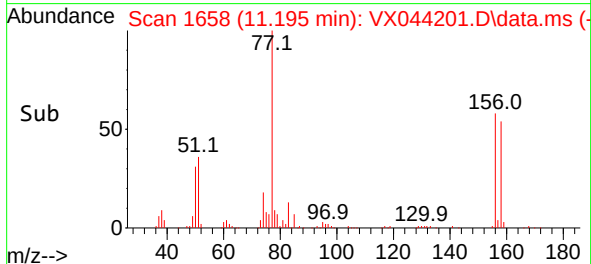
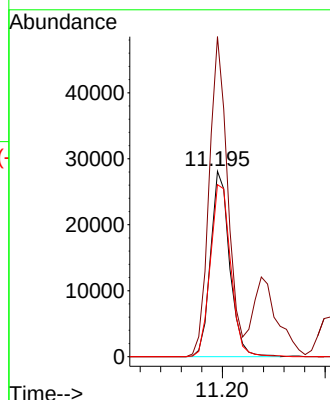
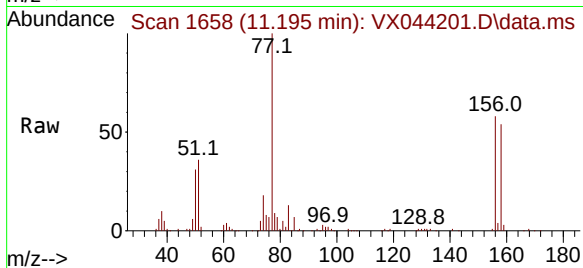
Tgt Ion:156 Resp: 36322

Ion Ratio Lower Upper

156 100

77 166.7 83.4 250.1

158 99.0 47.6 142.8



#78

n-propylbenzene

Concen: 19.442 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044201.D

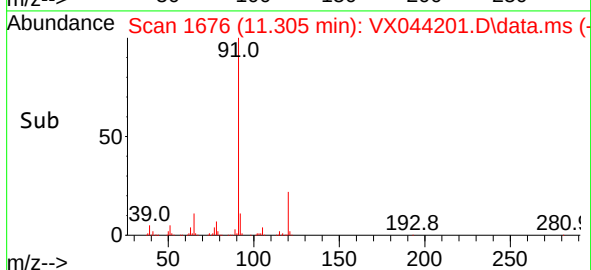
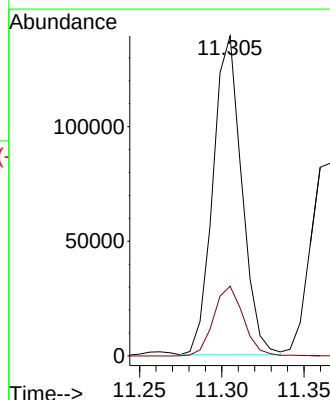
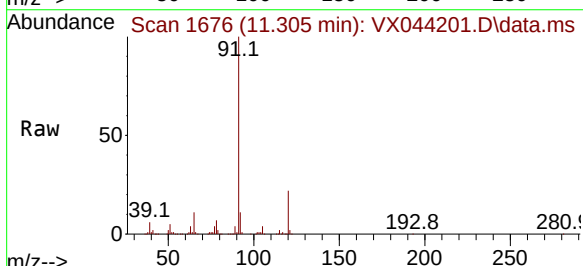
Acq: 10 Dec 2024 12:22

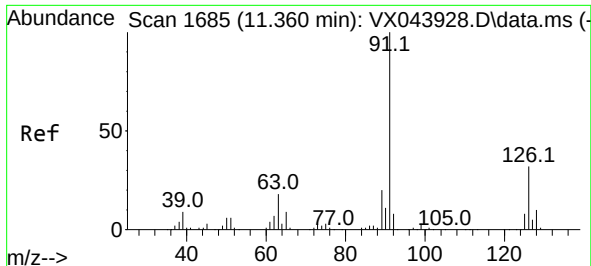
Tgt Ion: 91 Resp: 169125

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4

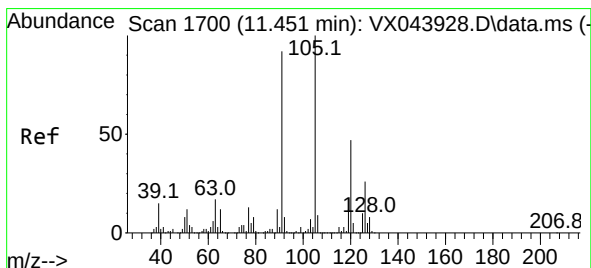
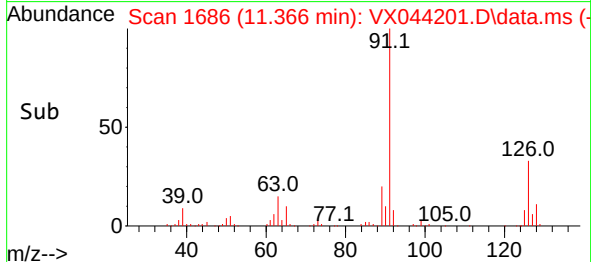
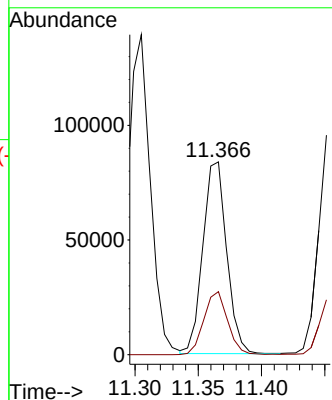
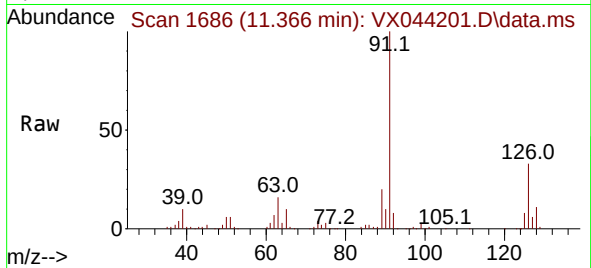




#79
2-Chlorotoluene
Concen: 19.964 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

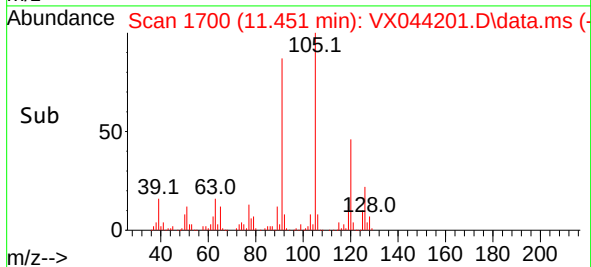
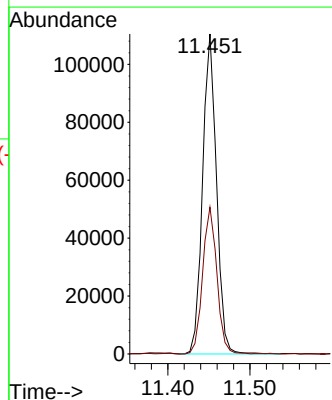
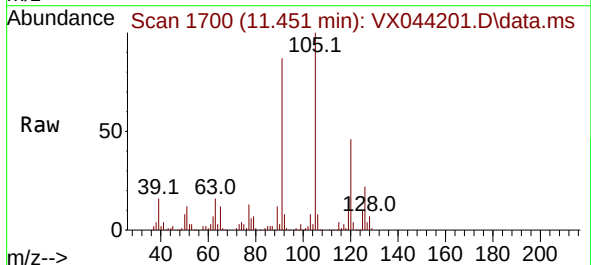
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

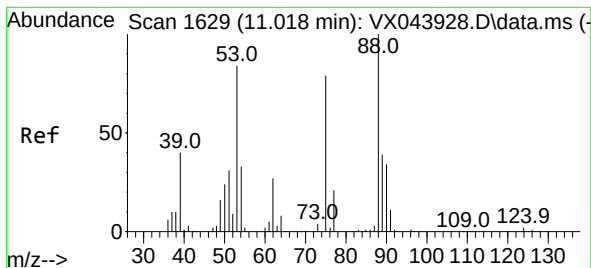
Tgt Ion: 91 Resp: 109815
Ion Ratio Lower Upper
91 100
126 32.8 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 20.232 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 105 Resp: 129646
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.8

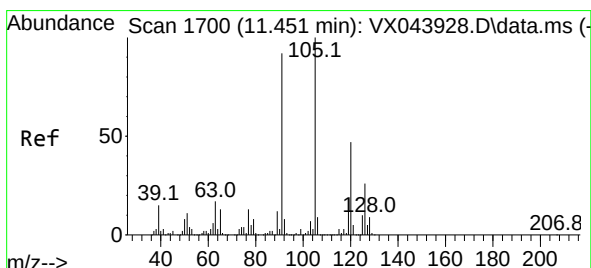
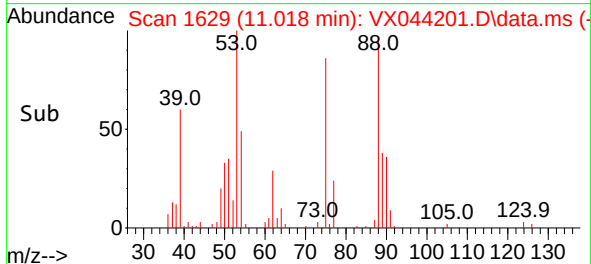
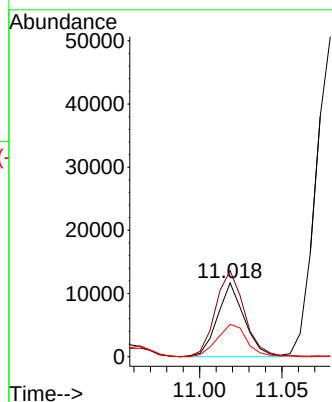
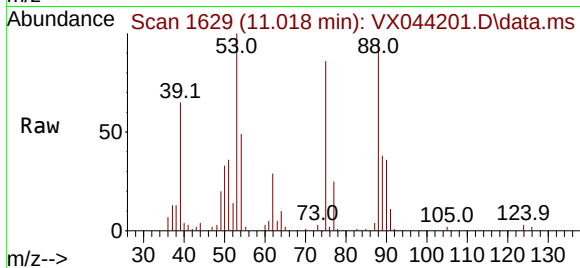




#81
trans-1,4-Dichloro-2-butene
Concen: 16.281 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

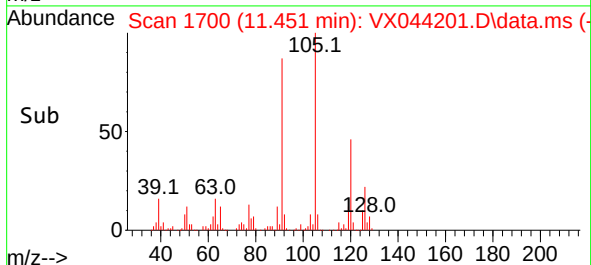
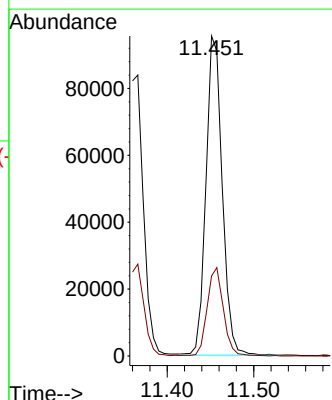
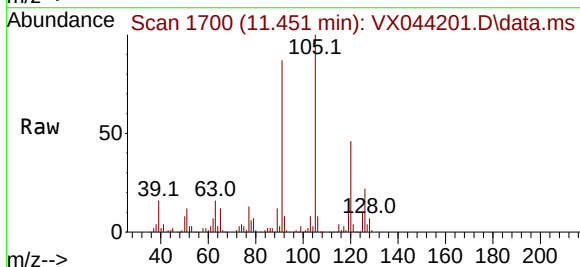
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

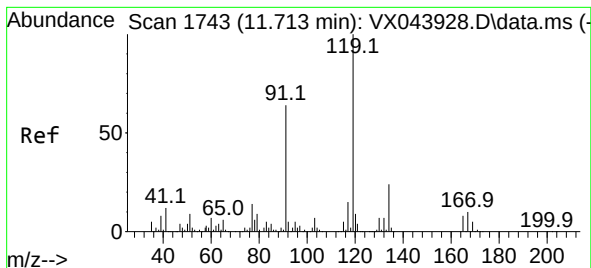
Tgt Ion: 75 Resp: 13258
Ion Ratio Lower Upper
75 100
53 125.9 86.7 130.1
89 48.6 38.2 57.2



#82
4-Chlorotoluene
Concen: 20.059 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 91 Resp: 124570
Ion Ratio Lower Upper
91 100
126 27.7 14.3 42.9

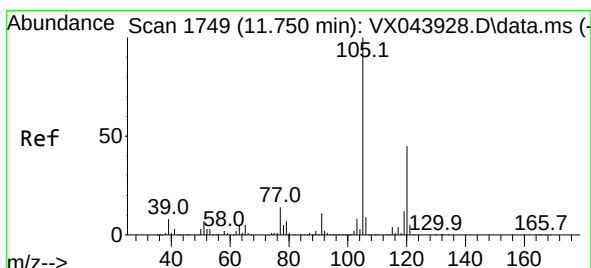
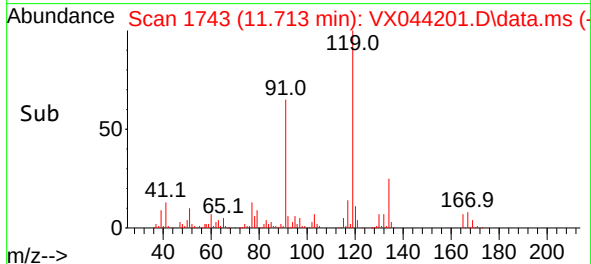
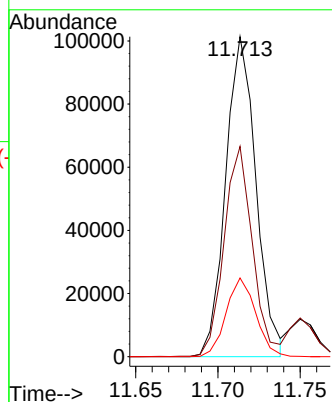
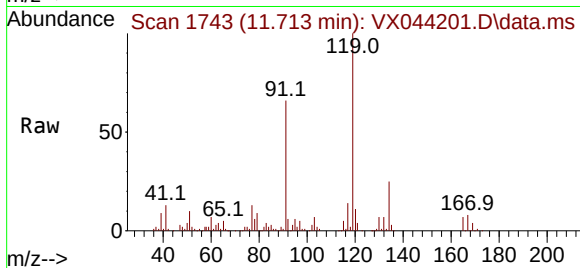




#83
 tert-Butylbenzene
 Concen: 20.509 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

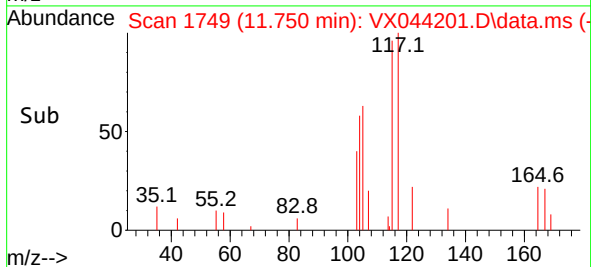
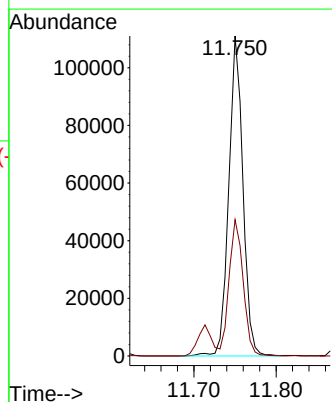
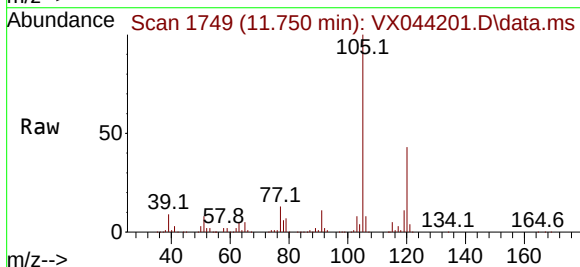
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

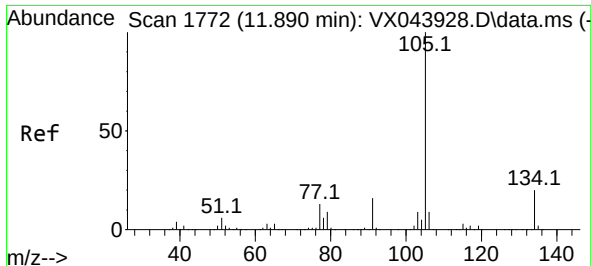
Tgt Ion:119 Resp: 130260
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.0 93.0
 134 24.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.869 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044201.D
 Acq: 10 Dec 2024 12:22

Tgt Ion:105 Resp: 133139
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.9 65.7

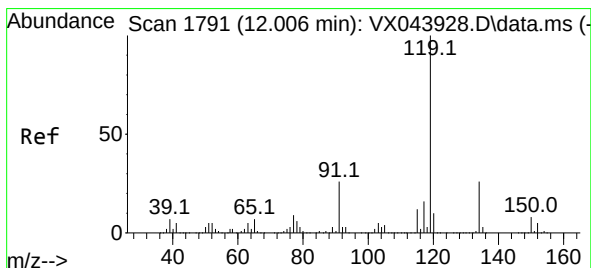
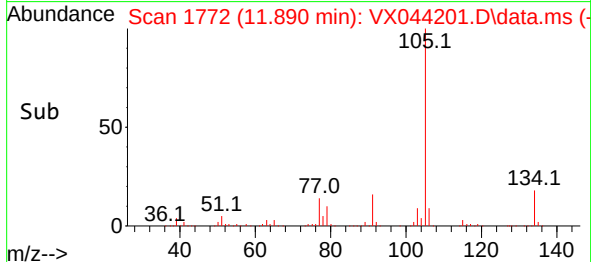
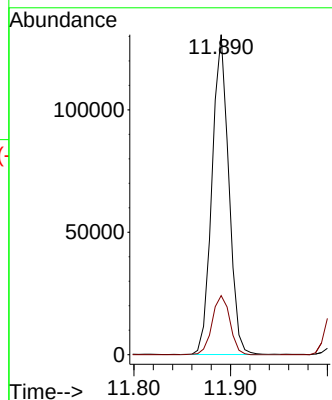
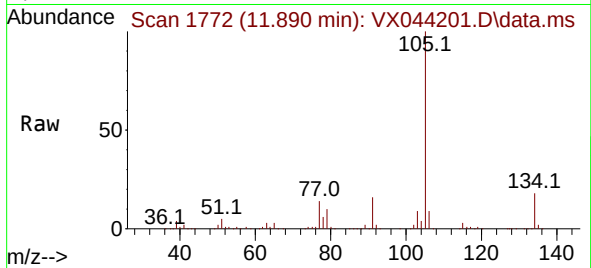




#85
sec-Butylbenzene
Concen: 20.171 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

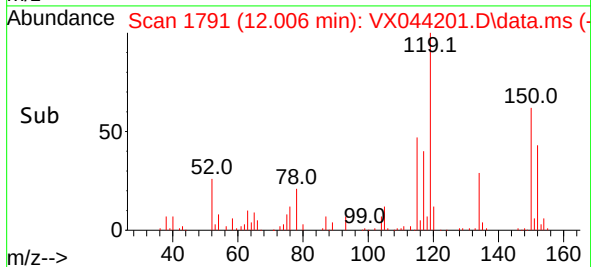
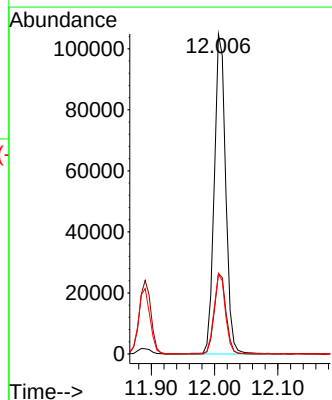
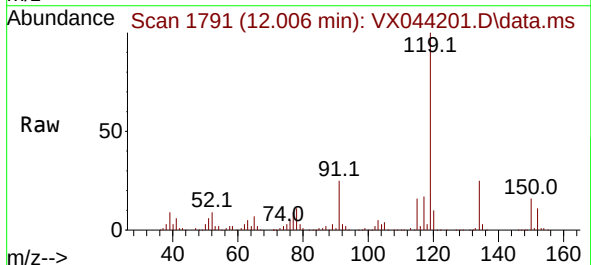
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

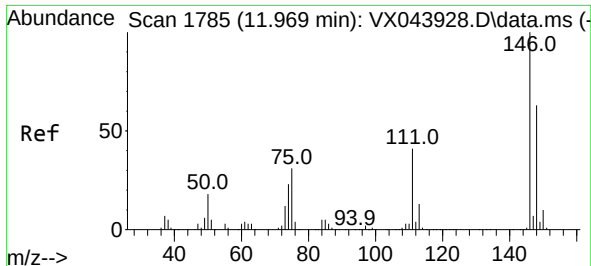
Tgt Ion:105 Resp: 156966
Ion Ratio Lower Upper
105 100
134 19.6 9.7 29.1



#86
p-Isopropyltoluene
Concen: 20.752 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:119 Resp: 131174
Ion Ratio Lower Upper
119 100
134 25.5 13.0 38.9
91 25.1 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 19.027 ug/l

RT: 11.970 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

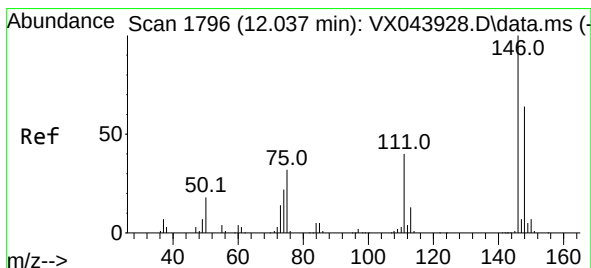
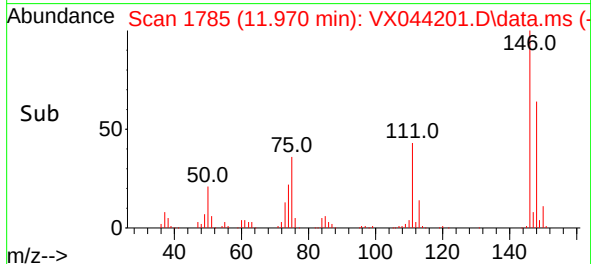
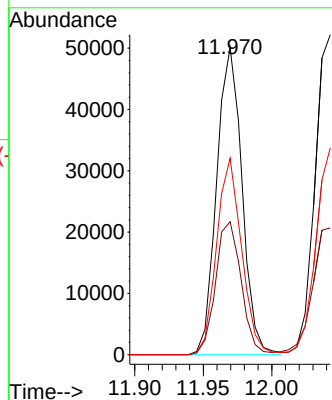
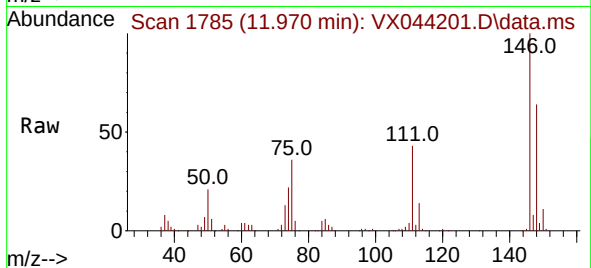
Tgt Ion:146 Resp: 64387

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.3

148 63.5 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 19.356 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

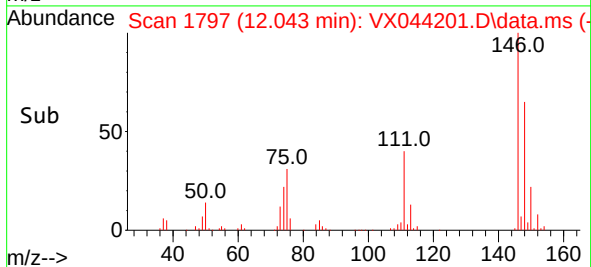
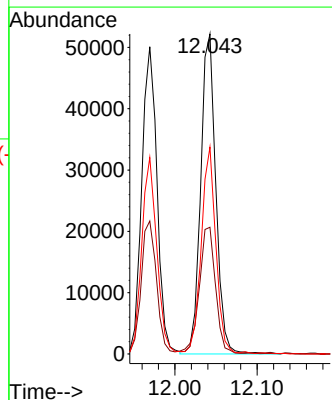
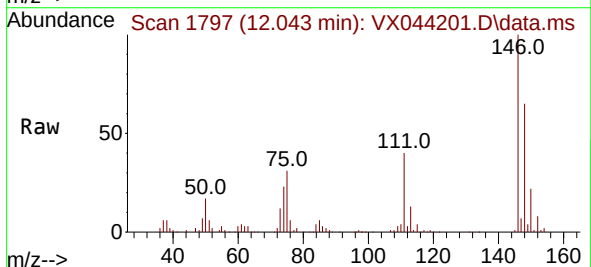
Tgt Ion:146 Resp: 66782

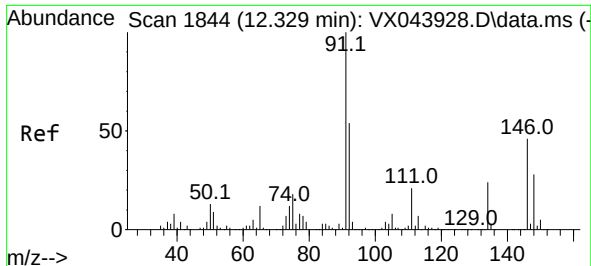
Ion Ratio Lower Upper

146 100

111 42.5 20.1 60.3

148 61.3 30.9 92.8





#89

n-Butylbenzene

Concen: 19.527 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044201.D

Acq: 10 Dec 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBS01

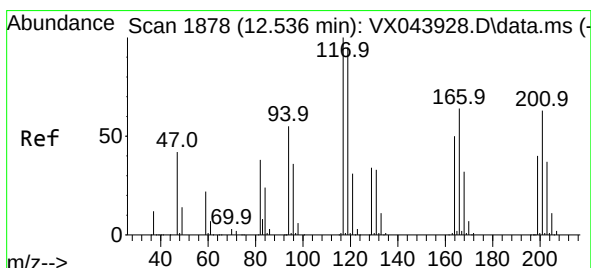
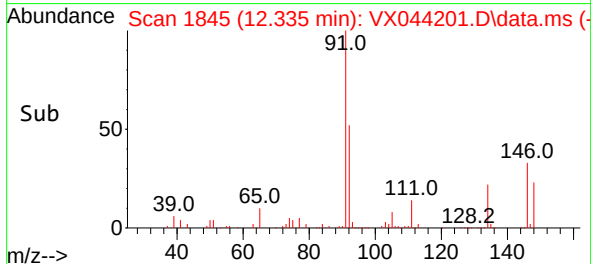
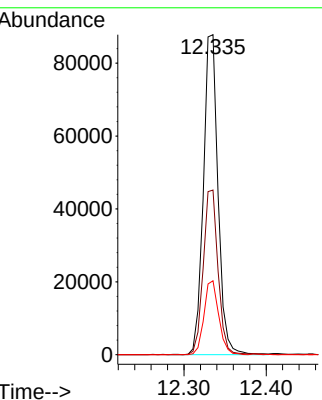
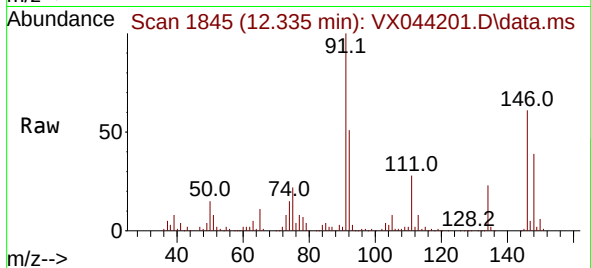
Tgt Ion: 91 Resp: 108826

Ion Ratio Lower Upper

91 100

92 52.2 26.6 79.8

134 23.3 12.4 37.2



#90

Hexachloroethane

Concen: 17.319 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044201.D

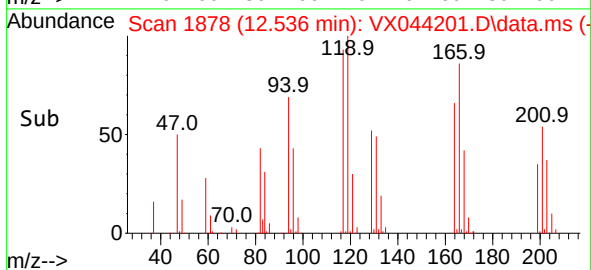
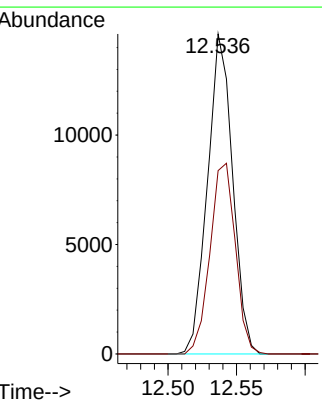
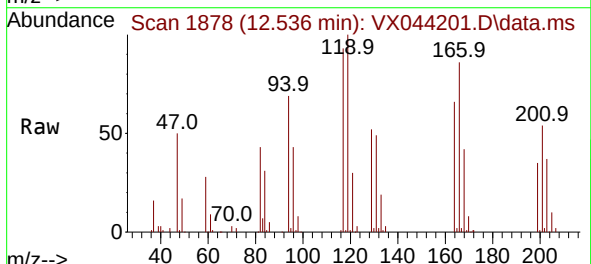
Acq: 10 Dec 2024 12:22

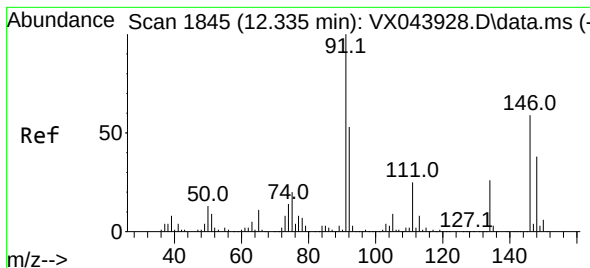
Tgt Ion: 117 Resp: 18615

Ion Ratio Lower Upper

117 100

201 60.3 32.4 97.0

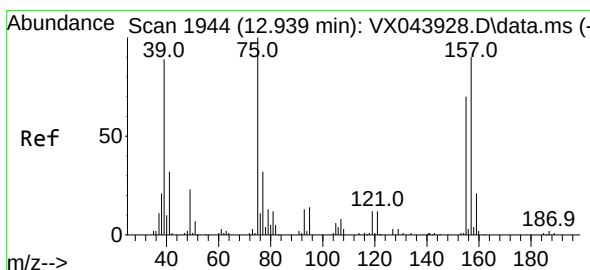
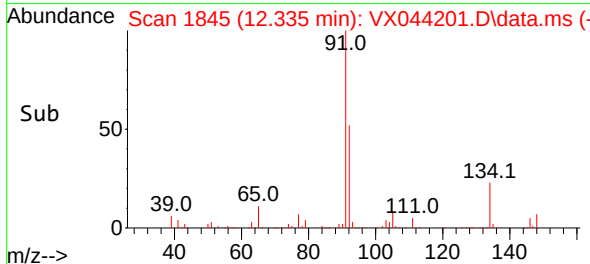
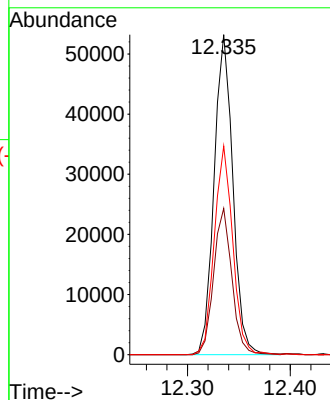
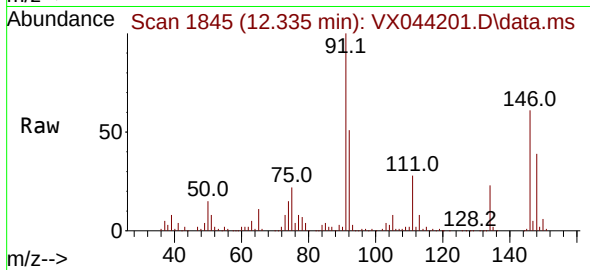




#91
1,2-Dichlorobenzene
Concen: 19.674 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

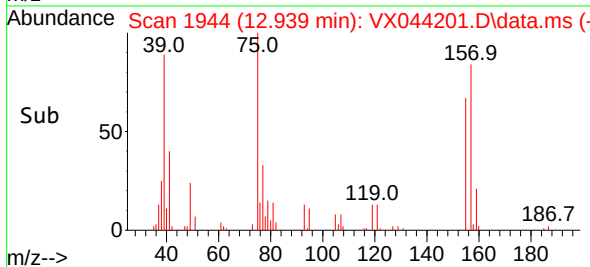
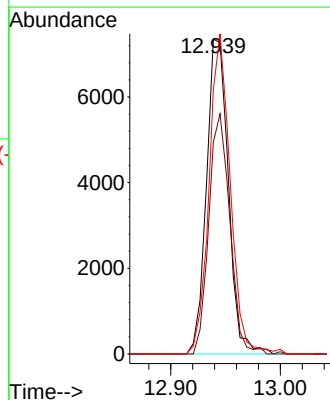
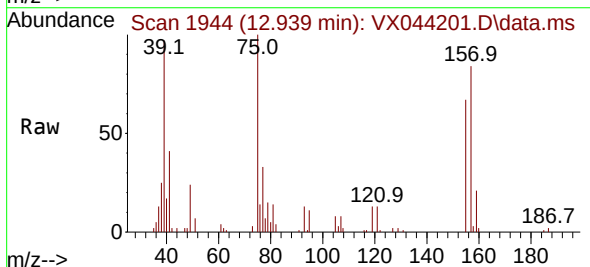
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

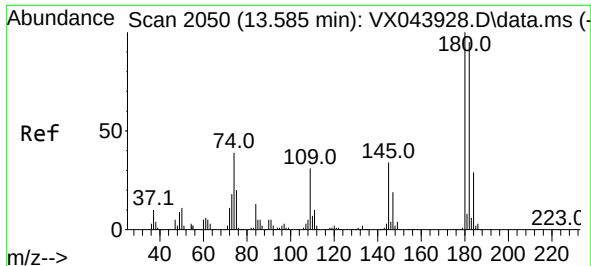
Tgt Ion:146	Resp:	67188
Ion	Ratio	Lower Upper
146	100	
111	44.4	21.5 64.5
148	64.7	31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.080 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion: 75	Resp:	10196
Ion	Ratio	Lower Upper
75	100	
155	73.4	40.1 120.2
157	98.5	49.6 149.0

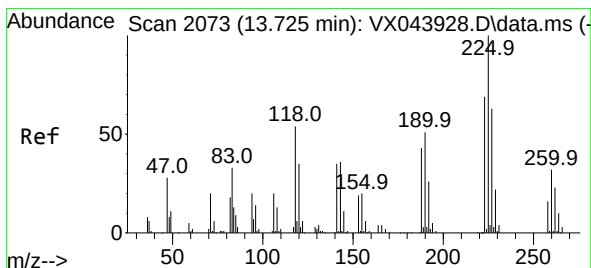
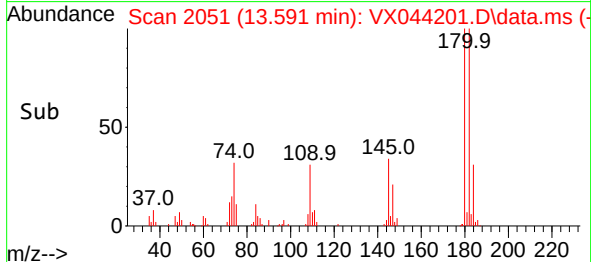
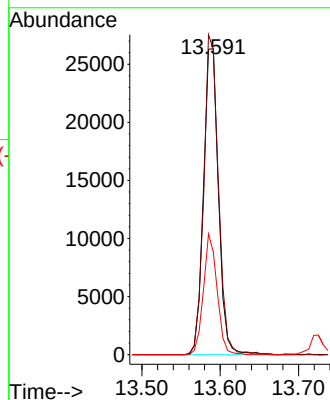
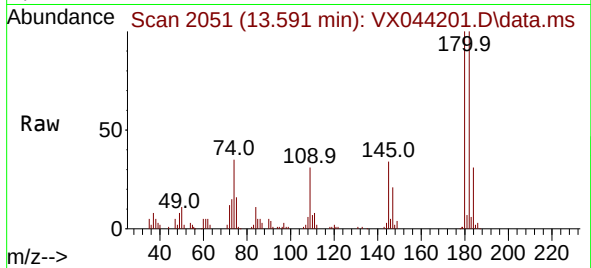




#93
1,2,4-Trichlorobenzene
Concen: 17.372 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

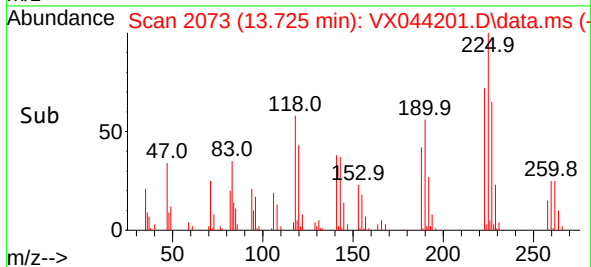
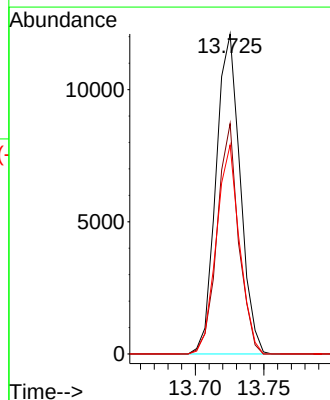
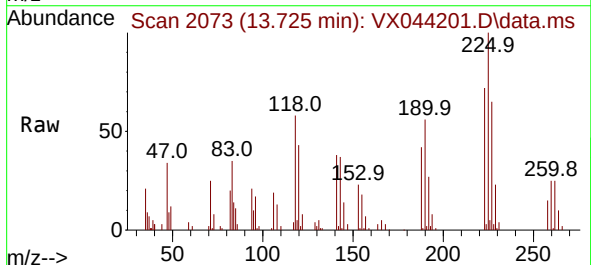
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

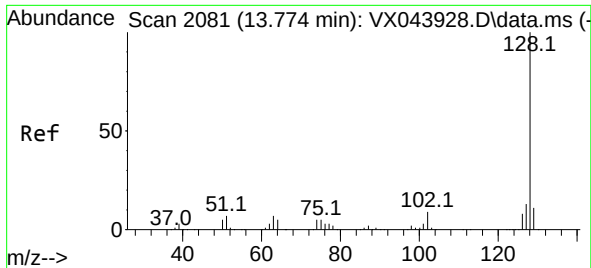
Tgt Ion:180 Resp: 34977
Ion Ratio Lower Upper
180 100
182 102.2 48.0 144.2
145 35.9 16.8 50.4



#94
Hexachlorobutadiene
Concen: 18.576 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:225 Resp: 14782
Ion Ratio Lower Upper
225 100
223 64.1 32.9 98.6
227 62.7 31.6 94.8

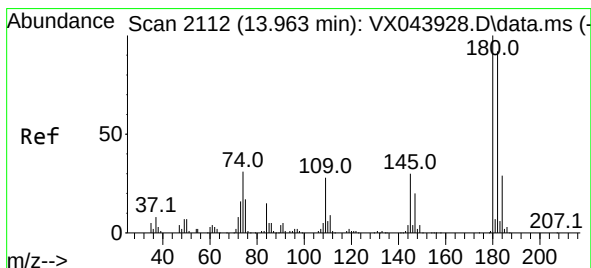
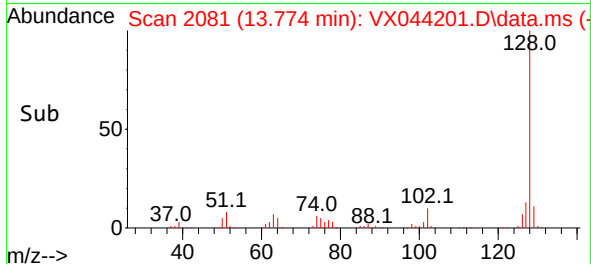
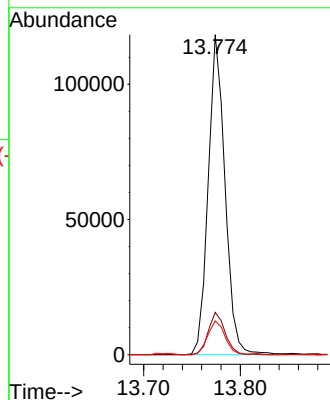
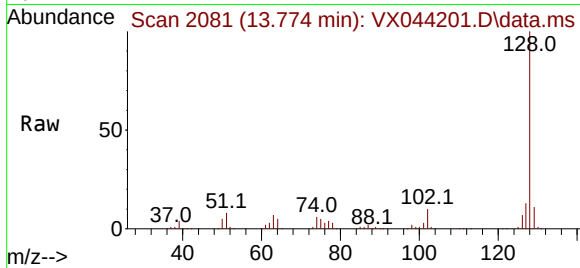




#95
Naphthalene
Concen: 19.744 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

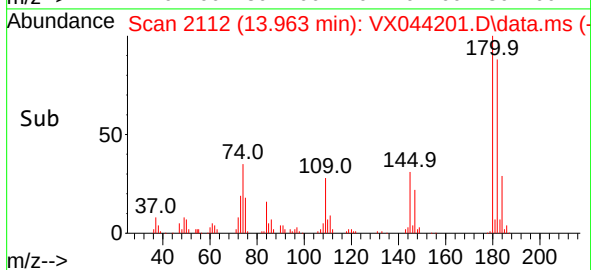
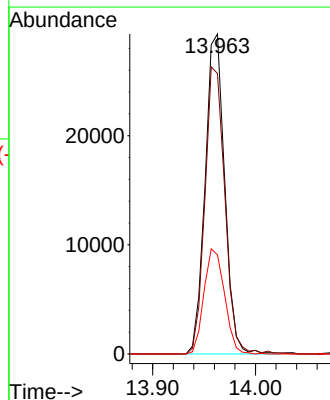
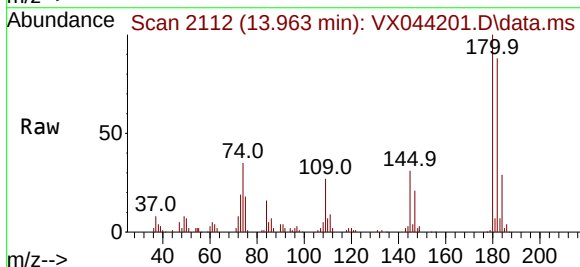
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Tgt Ion:128	Resp: 143097
Ion Ratio	Lower Upper
128 100	
127 13.2	10.2 15.2
129 10.9	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.036 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044201.D
Acq: 10 Dec 2024 12:22

Tgt Ion:180	Resp:	38793	
Ion	Ratio	Lower	Upper
180	100		
182	91.6	45.6	136.8
145	34.5	16.4	49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044217.D
 Acq On : 10 Dec 2024 18:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 11 01:40:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	127138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99884	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116097	53.240	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.480%	
35) Dibromofluoromethane	5.385	113	85094	49.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.240%	
50) Toluene-d8	8.647	98	281415	47.129	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.260%	
62) 4-Bromofluorobenzene	11.079	95	103646	51.003	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	63111	39.184	ug/l	100
3) Chloromethane	1.294	50	71958	42.456	ug/l	96
4) Vinyl Chloride	1.374	62	78335	43.453	ug/l	94
5) Bromomethane	1.593	94	56062	50.551	ug/l	99
6) Chloroethane	1.660	64	52880	48.139	ug/l	96
7) Trichlorofluoromethane	1.861	101	163545	50.742	ug/l	99
8) Diethyl Ether	2.136	74	60579	51.568	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	70620	45.934	ug/l	97
10) Methyl Iodide	2.441	142	94218	49.069	ug/l	97
11) Tert butyl alcohol	3.001	59	84514	241.461	ug/l	98
12) 1,1-Dichloroethene	2.306	96	66238	45.214	ug/l	100
13) Acrolein	2.239	56	97940	265.473	ug/l	98
14) Allyl chloride	2.654	41	119802	50.047	ug/l	97
15) Acrylonitrile	3.069	53	227176	266.340	ug/l	99
16) Acetone	2.392	43	226673	226.323	ug/l	99
17) Carbon Disulfide	2.495	76	107012	35.412	ug/l	98
18) Methyl Acetate	2.709	43	126300	54.151	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	288178	54.175	ug/l	99
20) Methylene Chloride	2.782	84	82748	48.686	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	71058	46.980	ug/l	98
22) Diisopropyl ether	3.764	45	270141	52.775	ug/l	95
23) Vinyl Acetate	3.721	43	1168321	266.817	ug/l	99
24) 1,1-Dichloroethane	3.605	63	151815	51.412	ug/l	98
25) 2-Butanone	4.568	43	342634	265.133	ug/l	100
26) 2,2-Dichloropropane	4.465	77	124266	46.597	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	94599	50.598	ug/l	100
28) Bromochloromethane	4.897	49	58950	45.353	ug/l	99
29) Tetrahydrofuran	5.007	42	213397	269.350	ug/l	99
30) Chloroform	5.093	83	167120	52.620	ug/l	92
31) Cyclohexane	5.458	56	108328	44.572	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	143108	52.251	ug/l	98
36) 1,1-Dichloropropene	5.684	75	99283	45.995	ug/l	99
37) Ethyl Acetate	4.721	43	132767	49.549	ug/l	100
38) Carbon Tetrachloride	5.672	117	113013	46.595	ug/l	98
39) Methylcyclohexane	7.373	83	119528	42.624	ug/l	95
40) Benzene	6.031	78	312174	46.428	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044217.D
 Acq On : 10 Dec 2024 18:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 11 01:40:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	69589	50.743	ug/l	95
42) 1,2-Dichloroethane	6.086	62	133086	49.283	ug/l	100
43) Isopropyl Acetate	6.342	43	217997	51.122	ug/l	100
44) Trichloroethene	7.123	130	76272	40.071	ug/l	97
45) 1,2-Dichloropropane	7.427	63	81383	49.418	ug/l	95
46) Dibromomethane	7.580	93	65788	50.501	ug/l	96
47) Bromodichloromethane	7.824	83	120375	51.522	ug/l	97
48) Methyl methacrylate	7.696	41	102462	50.075	ug/l	98
49) 1,4-Dioxane	7.665	88	30858	846.622	ug/l #	66
51) 4-Methyl-2-Pentanone	8.574	43	719431	276.463	ug/l	99
52) Toluene	8.714	92	197647	49.112	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120376	50.525	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	129505	49.583	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	84764	51.024	ug/l	99
56) Ethyl methacrylate	9.116	69	138164	53.395	ug/l	98
57) 1,3-Dichloropropane	9.305	76	141482	50.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	332302	234.142	ug/l	98
59) 2-Hexanone	9.433	43	538686	275.412	ug/l	99
60) Dibromochloromethane	9.519	129	86855	52.109	ug/l	99
61) 1,2-Dibromoethane	9.610	107	87795	52.266	ug/l	100
64) Tetrachloroethene	9.269	164	64579	46.869	ug/l	97
65) Chlorobenzene	10.079	112	224152	48.841	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	77524	52.085	ug/l	99
67) Ethyl Benzene	10.195	91	389963	50.145	ug/l	100
68) m/p-Xylenes	10.299	106	286729	98.868	ug/l	98
69) o-Xylene	10.640	106	145887	51.522	ug/l	98
70) Styrene	10.653	104	245812	52.487	ug/l	99
71) Bromoform	10.799	173	53014	47.096	ug/l #	97
73) Isopropylbenzene	10.963	105	377517	49.169	ug/l	100
74) N-amyl acetate	10.842	43	192555	54.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	134002	50.971	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	146479	66.872	ug/l	82
77) Bromobenzene	11.195	156	88361	48.243	ug/l	98
78) n-propylbenzene	11.305	91	424053	49.451	ug/l	100
79) 2-Chlorotoluene	11.360	91	264885	48.850	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	318691	50.452	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35508	44.234	ug/l	93
82) 4-Chlorotoluene	11.451	91	302591	49.428	ug/l	99
83) tert-Butylbenzene	11.713	119	316761	50.593	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	316576	50.339	ug/l	98
85) sec-Butylbenzene	11.890	105	386295	50.357	ug/l	100
86) p-Isopropyltoluene	12.006	119	318368	51.093	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	162593	48.740	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	159770	46.977	ug/l	98
89) n-Butylbenzene	12.329	91	276773	50.379	ug/l	100
90) Hexachloroethane	12.536	117	49566	46.780	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	164195	48.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27997	53.147	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	95471	48.102	ug/l	99
94) Hexachlorobutadiene	13.725	225	36087	46.005	ug/l	98
95) Naphthalene	13.774	128	380179	53.212	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	97156	48.363	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On : 10 Dec 2024 18:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 11 01:40:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

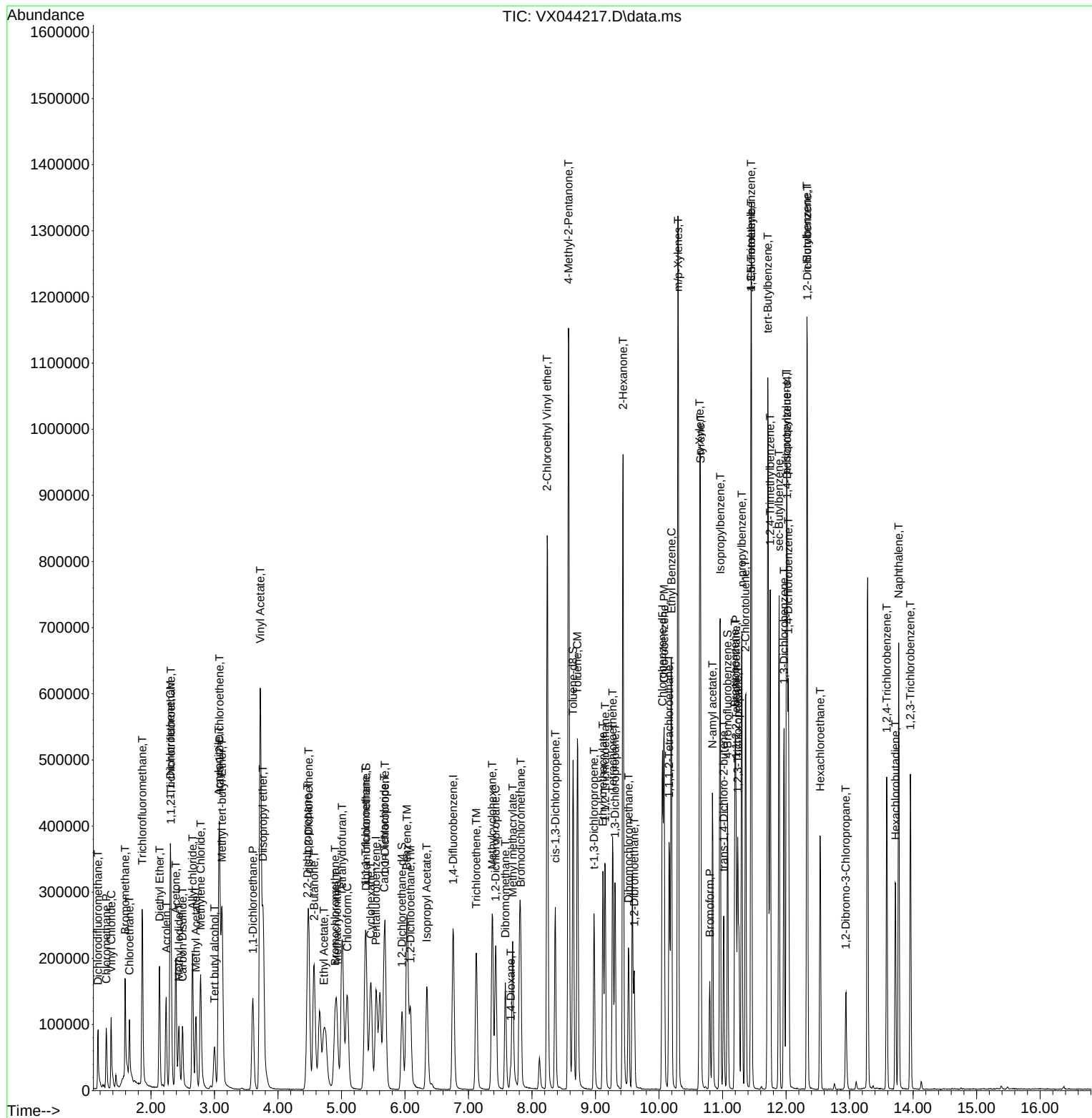
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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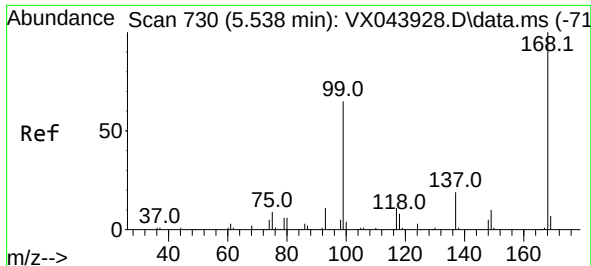
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
Data File : VX044217.D
Acq On    : 10 Dec 2024   18:44
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 22   Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

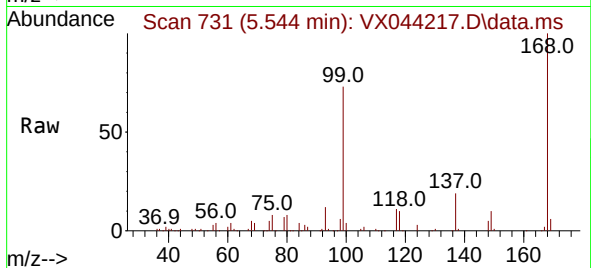
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



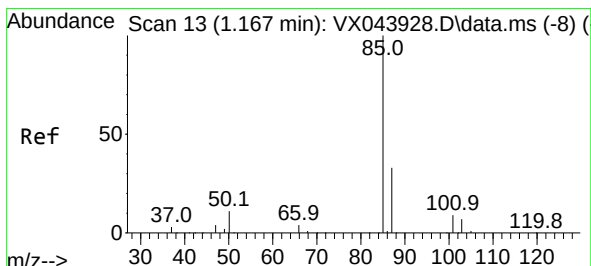
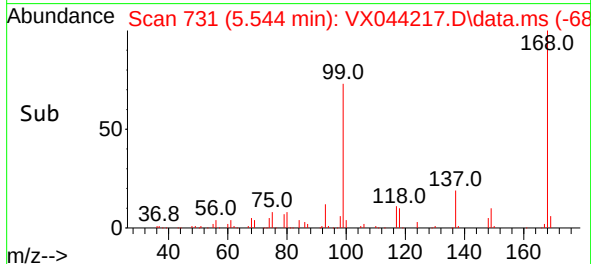
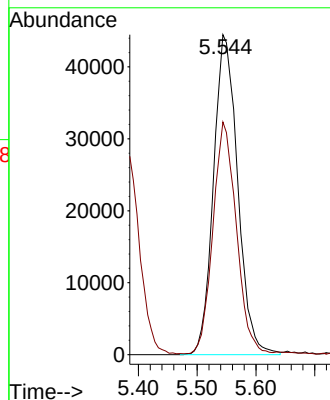


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

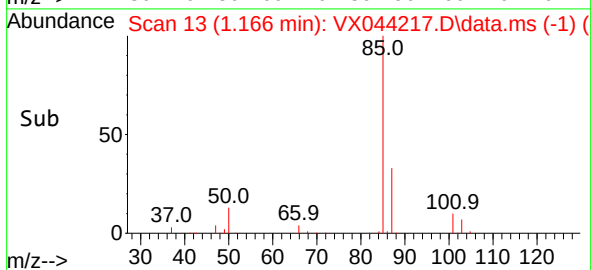
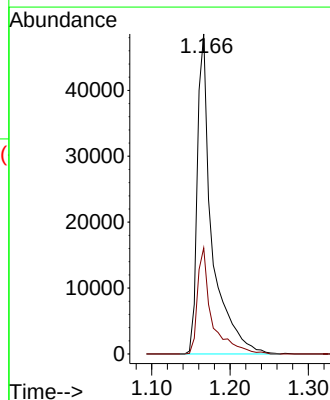
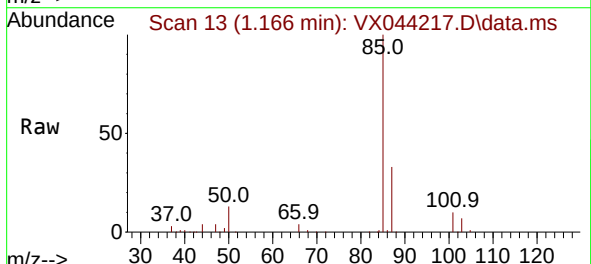


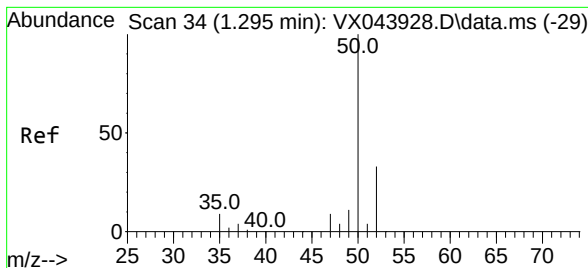
Tgt Ion:168 Resp: 127138
Ion Ratio Lower Upper
168 100
99 72.4 51.8 77.8



#2
Dichlorodifluoromethane
Concen: 39.184 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 85 Resp: 63111
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.8





#3

Chloromethane

Concen: 42.456 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

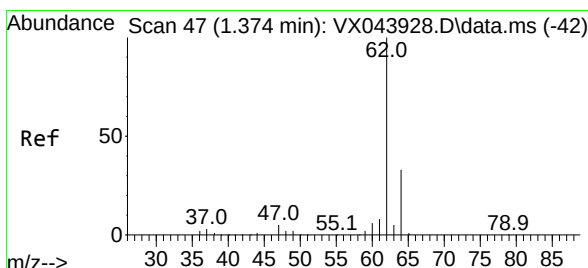
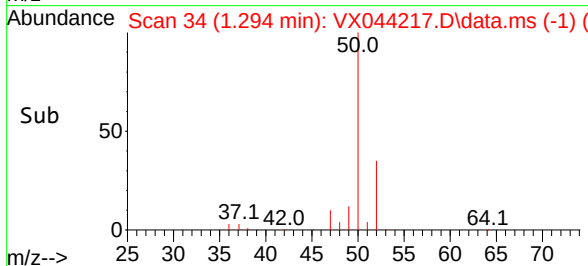
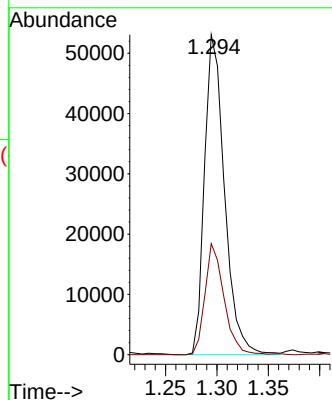
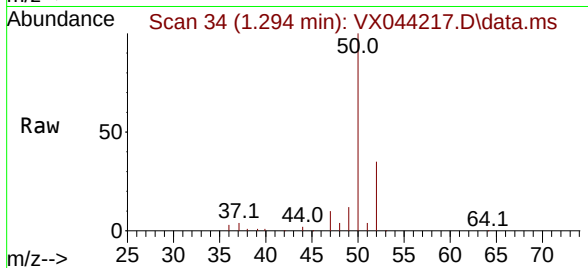
VSTDCCC050EC

Tgt Ion: 50 Resp: 71958

Ion Ratio Lower Upper

50 100

52 34.7 26.1 39.1



#4

Vinyl Chloride

Concen: 43.453 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044217.D

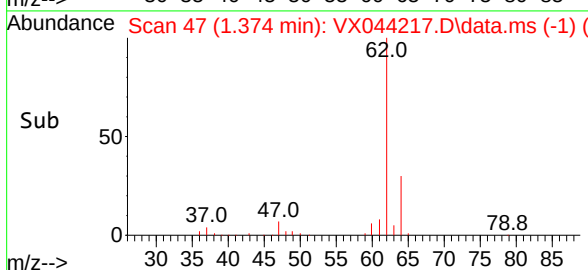
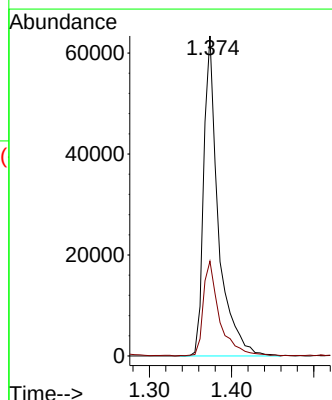
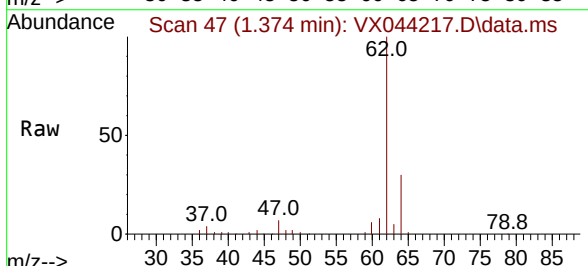
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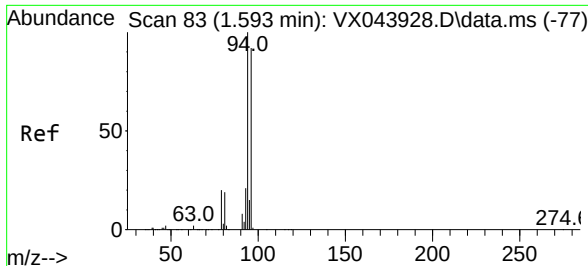
Tgt Ion: 62 Resp: 78335

Ion Ratio Lower Upper

62 100

64 29.5 26.2 39.4

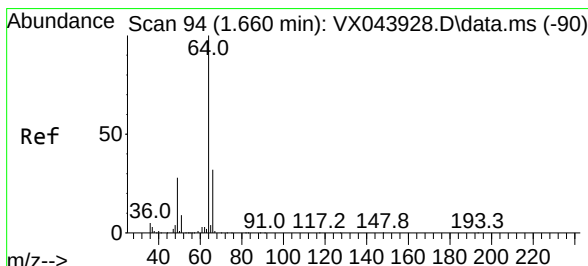
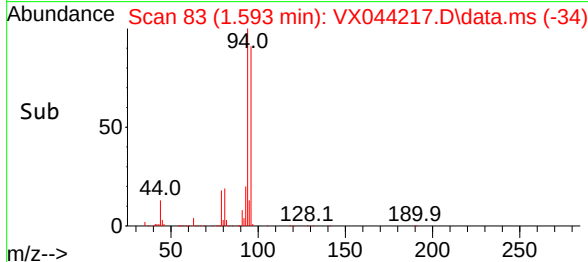
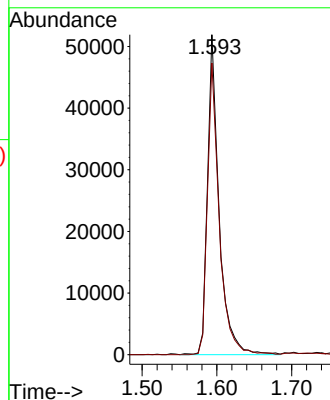
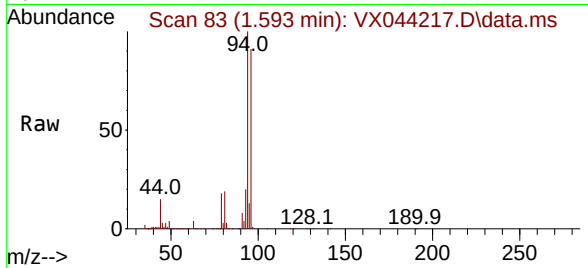




#5
Bromomethane
Concen: 50.551 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

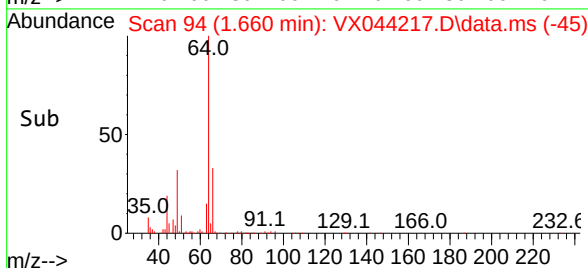
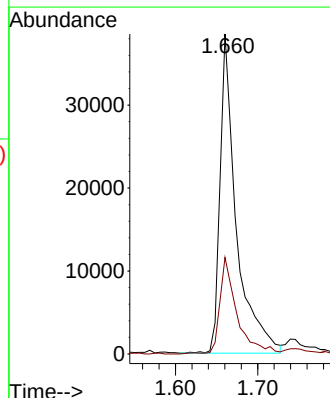
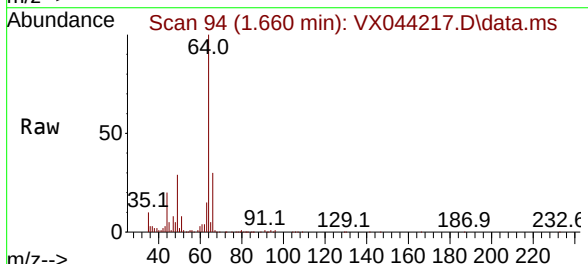
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

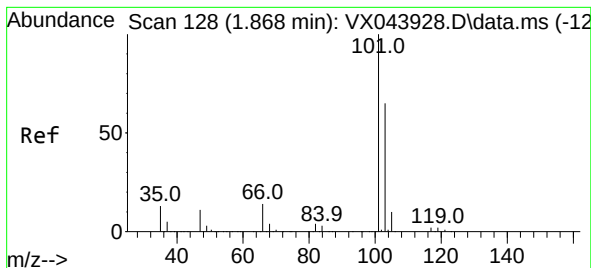
Tgt Ion: 94 Resp: 56062
Ion Ratio Lower Upper
94 100
96 91.2 73.9 110.9



#6
Chloroethane
Concen: 48.139 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 64 Resp: 52880
Ion Ratio Lower Upper
64 100
66 30.2 25.9 38.9





#7

Trichlorofluoromethane

Concen: 50.742 ug/l

RT: 1.861 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

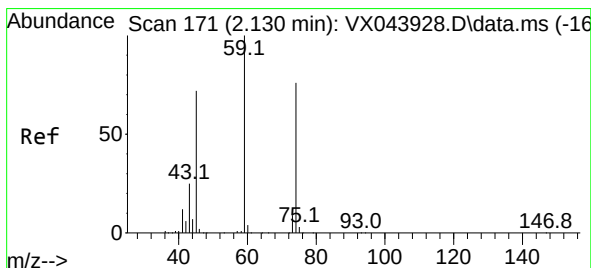
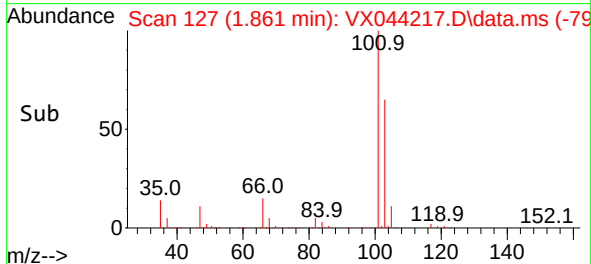
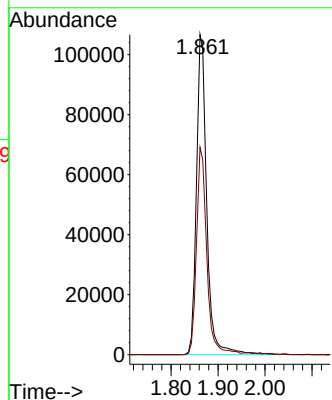
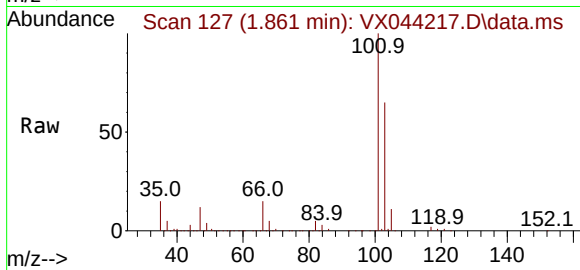
VSTDCCC050EC

Tgt Ion:101 Resp: 163545

Ion Ratio Lower Upper

101 100

103 64.7 52.2 78.2



#8

Diethyl Ether

Concen: 51.568 ug/l

RT: 2.136 min Scan# 172

Delta R.T. 0.006 min

Lab File: VX044217.D

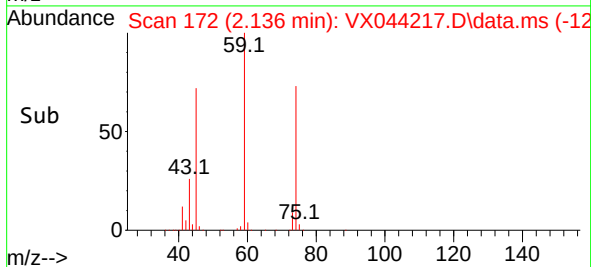
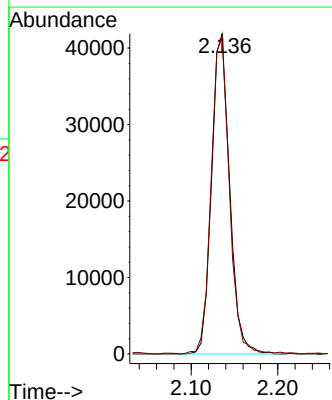
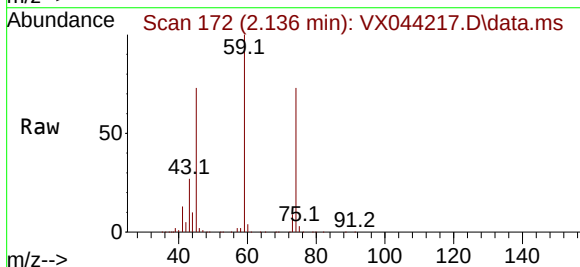
Acq: 10 Dec 2024 18:44

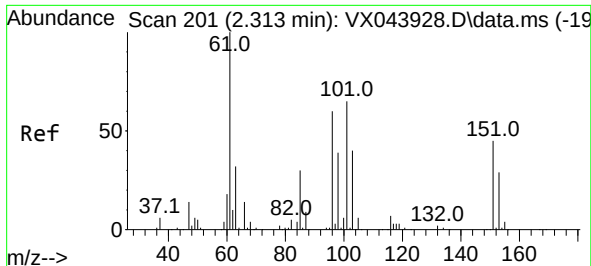
Tgt Ion: 74 Resp: 60579

Ion Ratio Lower Upper

74 100

45 100.2 47.9 143.6

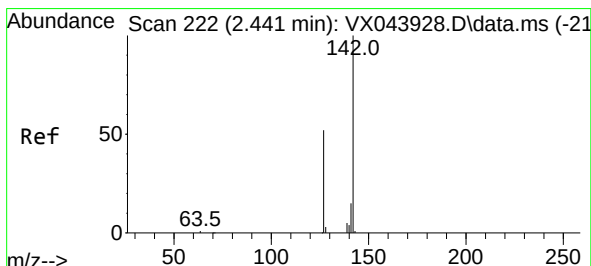
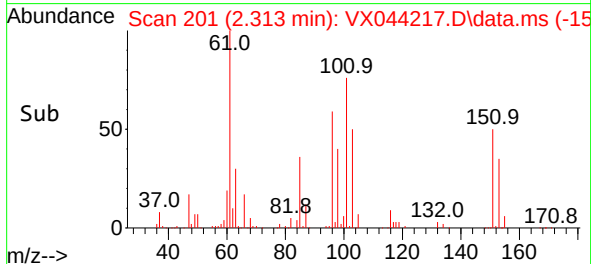
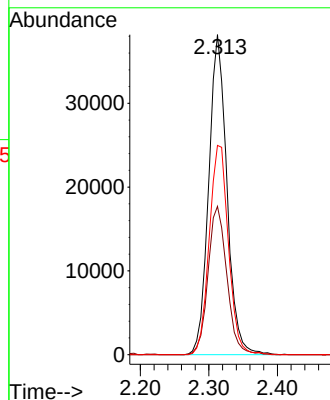
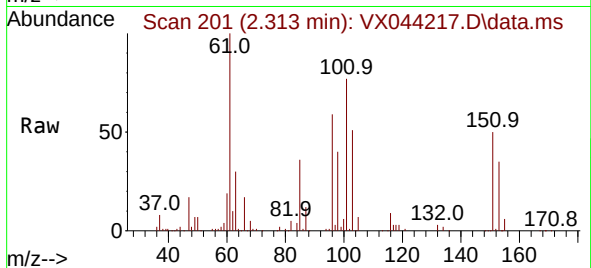




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.934 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

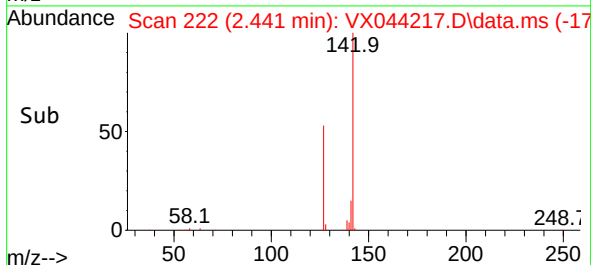
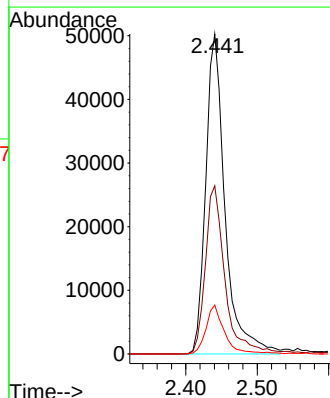
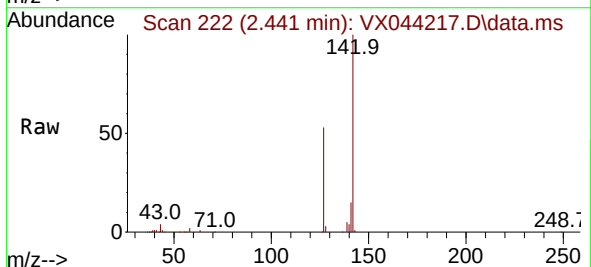
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

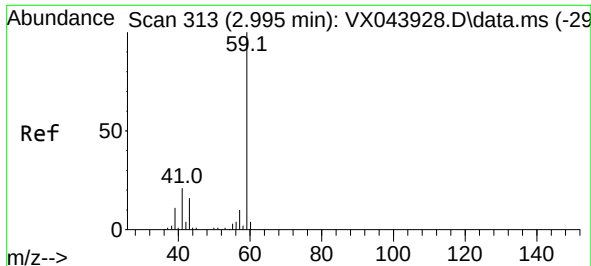
Tgt Ion:101 Resp: 70620
Ion Ratio Lower Upper
101 100
85 48.1 37.9 56.9
151 68.9 57.5 86.3



#10
Methyl Iodide
Concen: 49.069 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:142 Resp: 94218
Ion Ratio Lower Upper
142 100
127 53.8 40.7 61.1
141 14.7 12.0 18.0

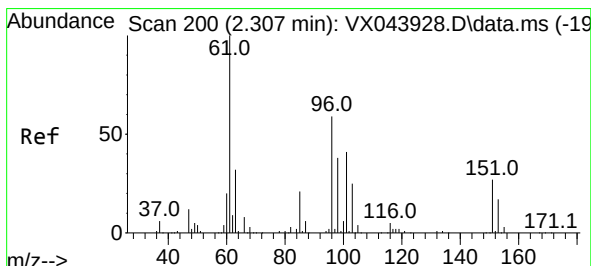
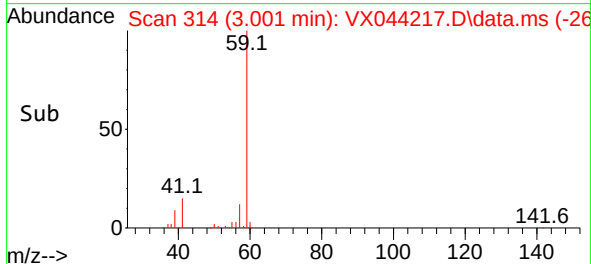
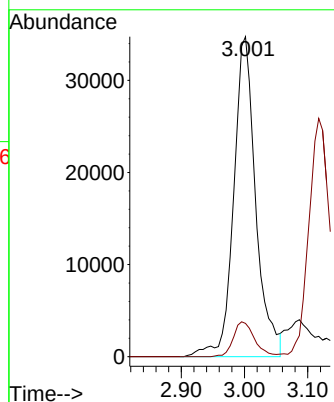
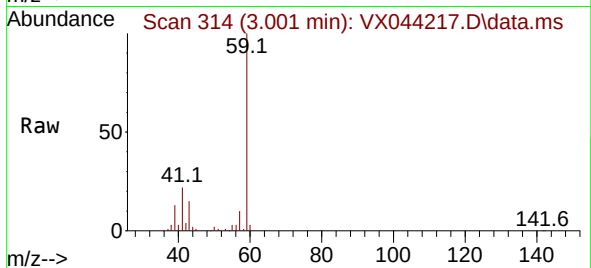




#11
Tert butyl alcohol
Concen: 241.461 ug/l
RT: 3.001 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

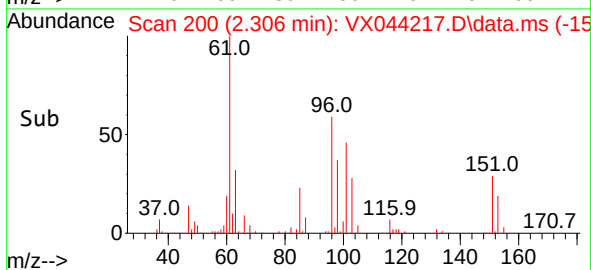
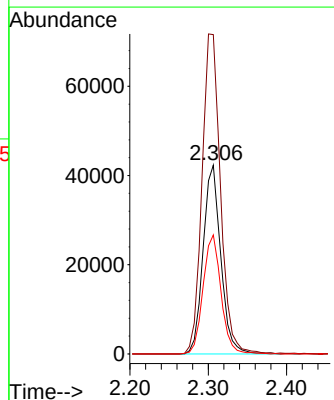
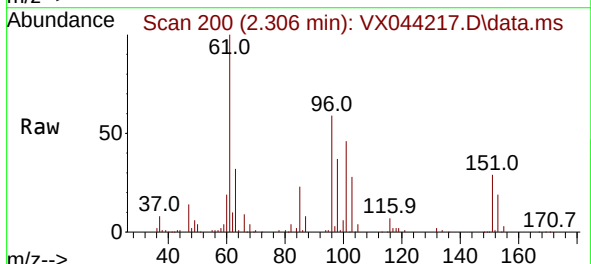
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

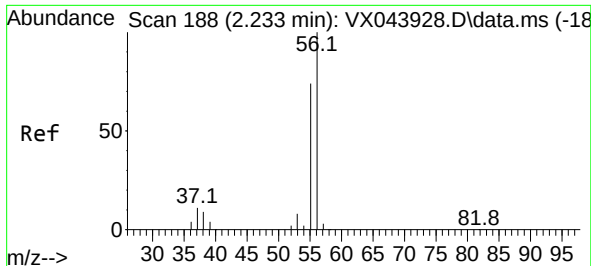
Tgt Ion: 59 Resp: 84514
Ion Ratio Lower Upper
59 100
57 10.5 7.9 11.9



#12
1,1-Dichloroethene
Concen: 45.214 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 96 Resp: 66238
Ion Ratio Lower Upper
96 100
61 169.1 135.5 203.3
98 63.0 50.8 76.2

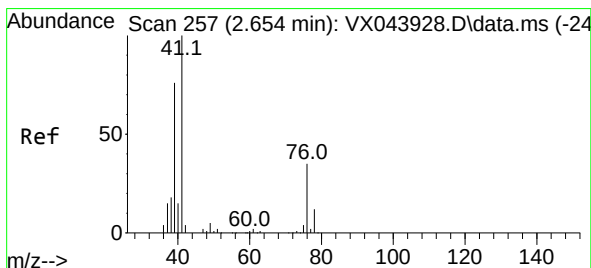
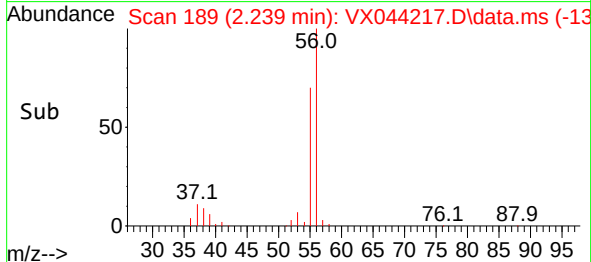
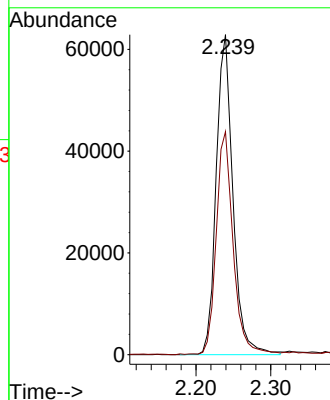
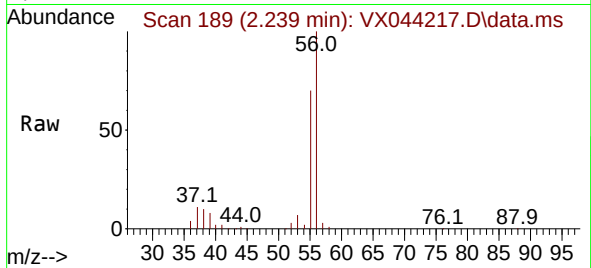




#13
Acrolein
Concen: 265.473 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

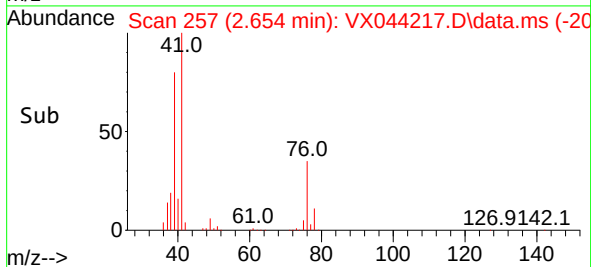
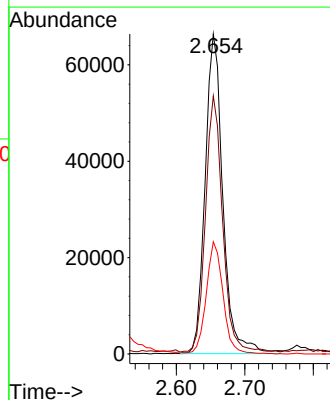
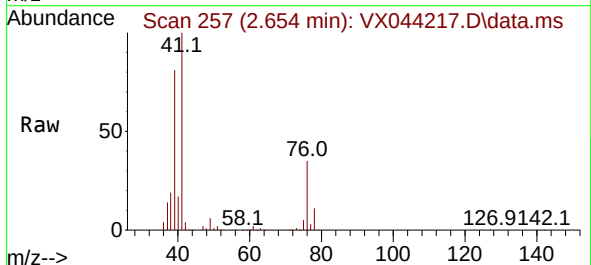
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

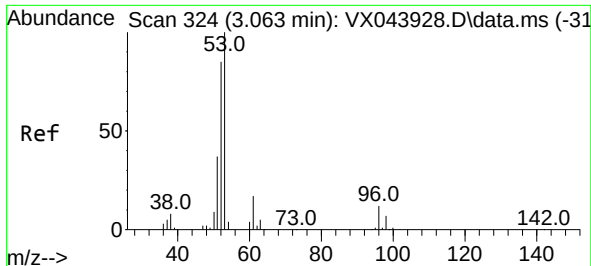
Tgt Ion: 56 Resp: 97940
Ion Ratio Lower Upper
56 100
55 70.7 58.2 87.2



#14
Allyl chloride
Concen: 50.047 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 41 Resp: 119802
Ion Ratio Lower Upper
41 100
39 77.2 59.5 89.3
76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 266.340 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

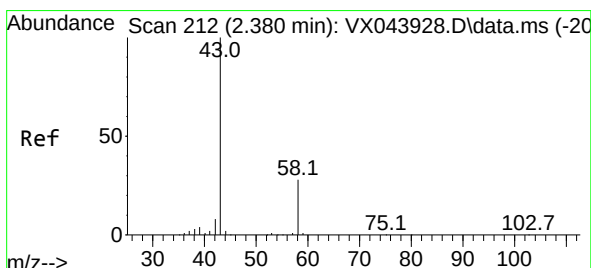
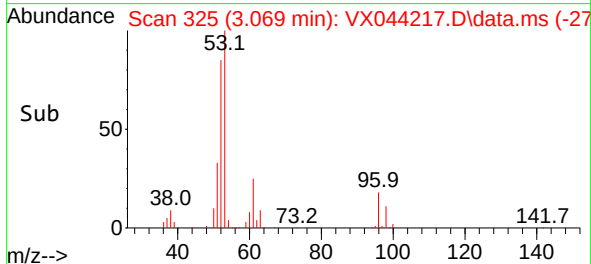
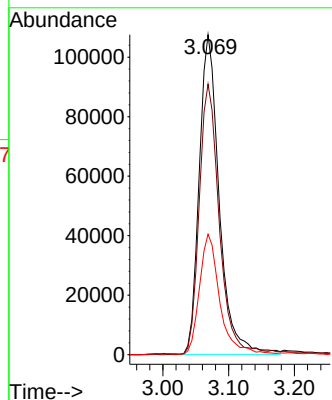
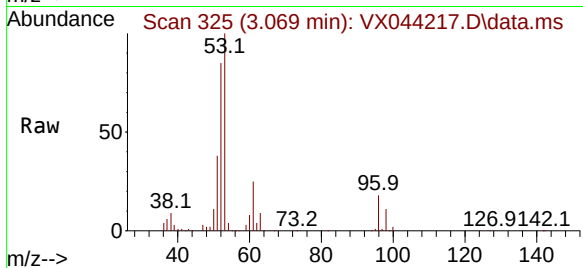
Tgt Ion: 53 Resp: 227176

Ion Ratio Lower Upper

53 100

52 84.7 66.5 99.7

51 37.8 30.2 45.4



#16

Acetone

Concen: 226.323 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX044217.D

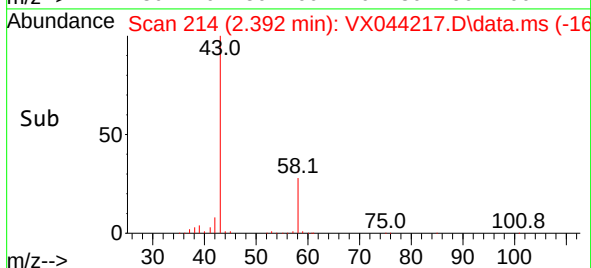
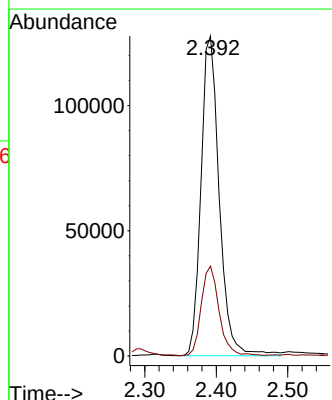
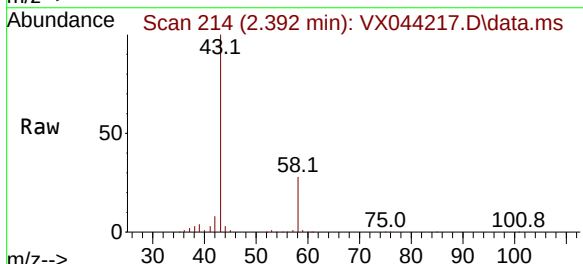
Acq: 10 Dec 2024 18:44

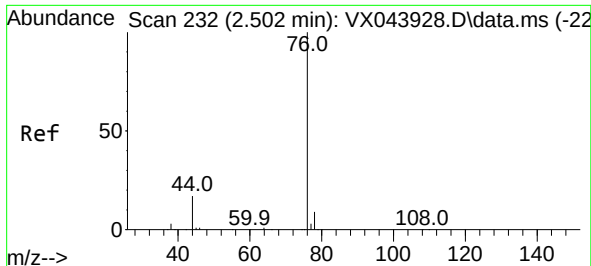
Tgt Ion: 43 Resp: 226673

Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1

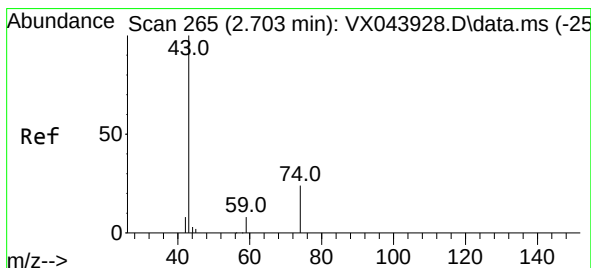
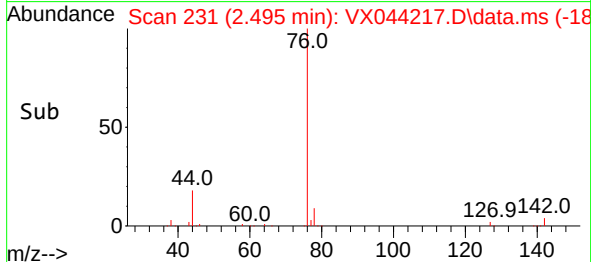
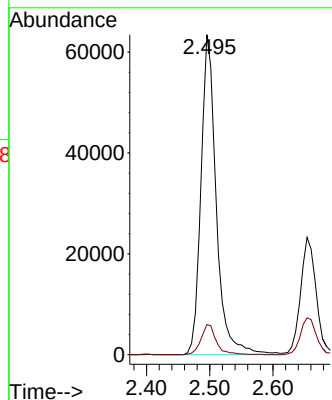
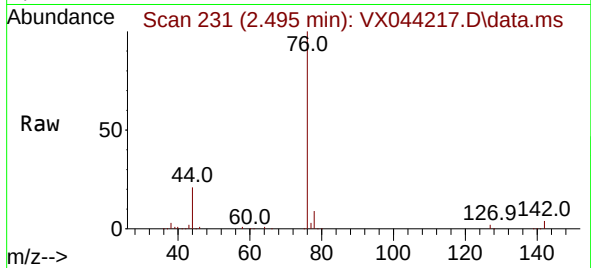




#17
Carbon Disulfide
Concen: 35.412 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

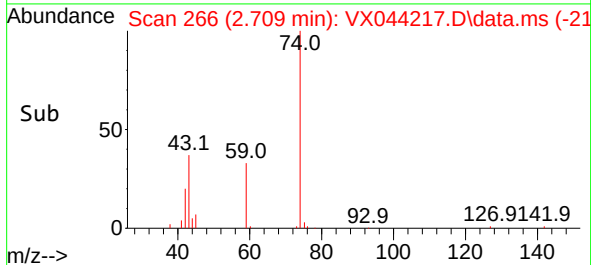
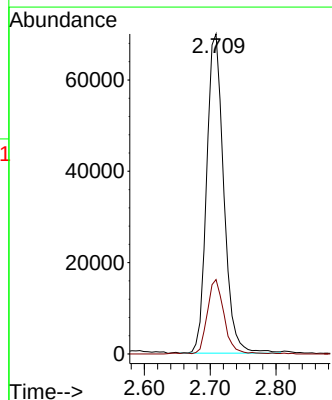
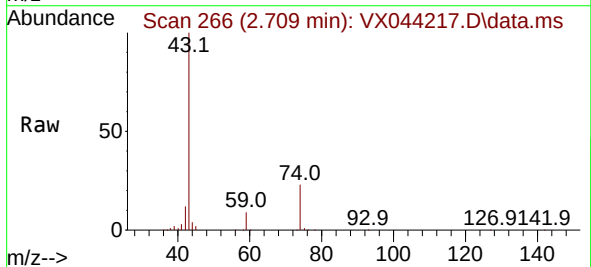
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

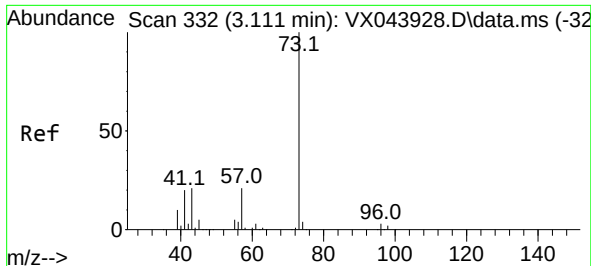
Tgt Ion: 76 Resp: 107012
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 54.151 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 126300
Ion Ratio Lower Upper
43 100
74 22.4 18.9 28.3

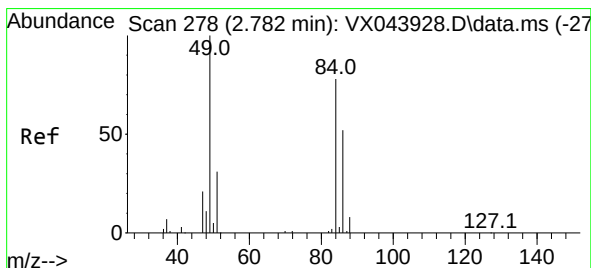
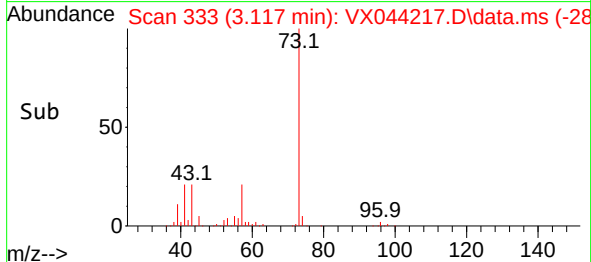
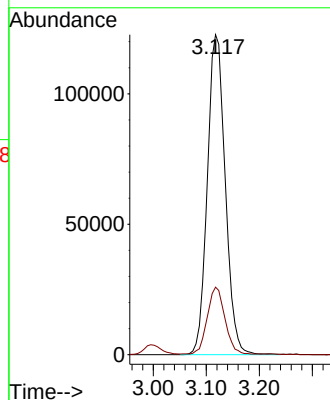
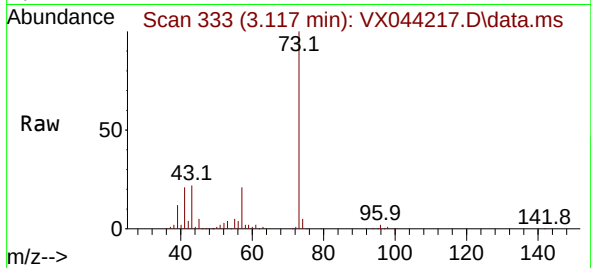




#19
Methyl tert-butyl Ether
Concen: 54.175 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

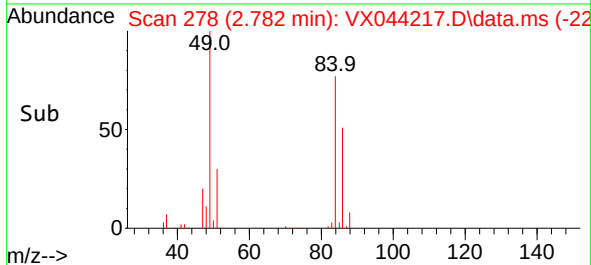
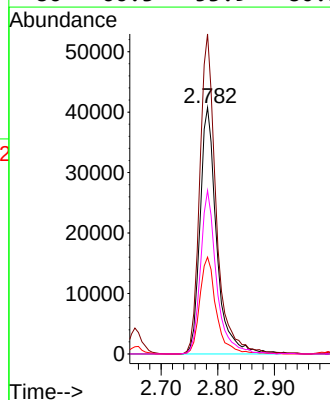
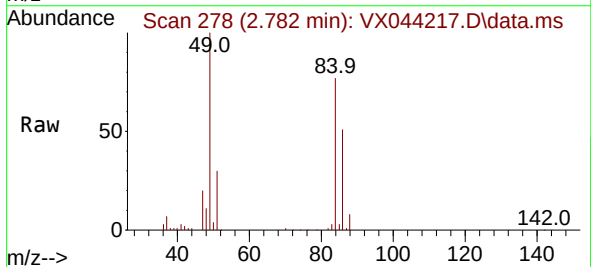
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

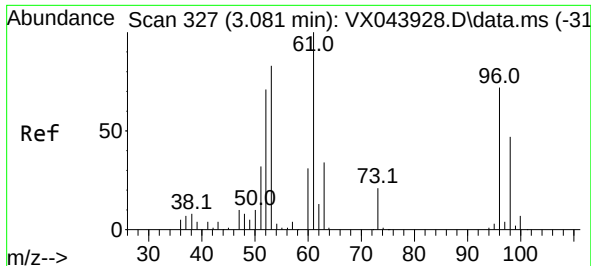
Tgt Ion: 73 Resp: 288178
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.6



#20
Methylene Chloride
Concen: 48.686 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 84 Resp: 82748
Ion Ratio Lower Upper
84 100
49 129.9 102.7 154.1
51 39.3 31.7 47.5
86 66.3 53.9 80.9

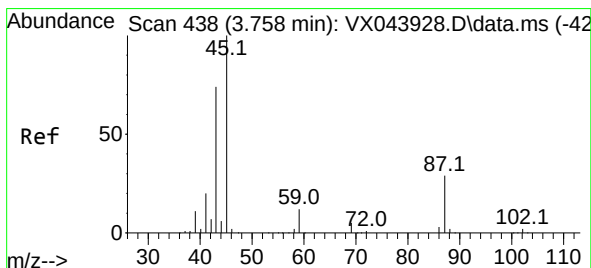
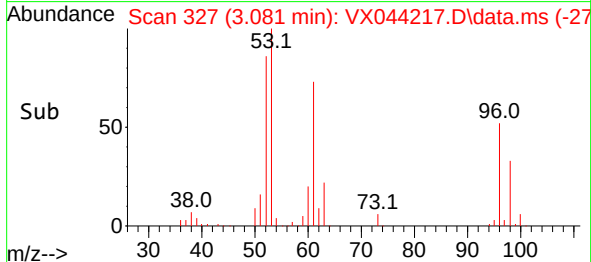
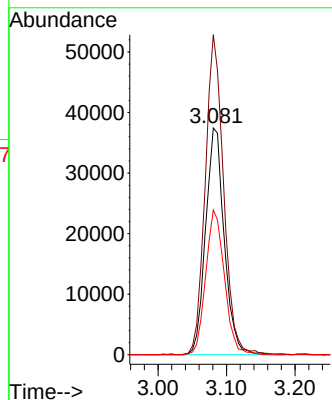
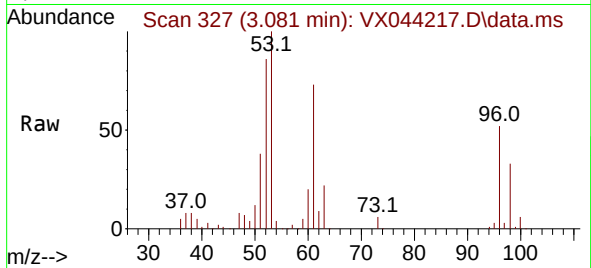




#21
trans-1,2-Dichloroethene
Concen: 46.980 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

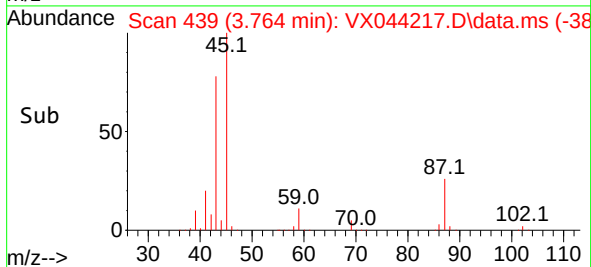
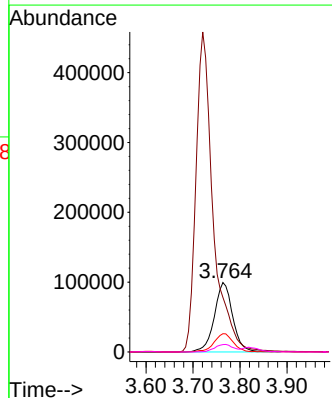
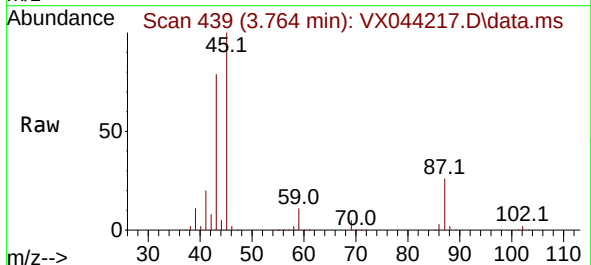
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

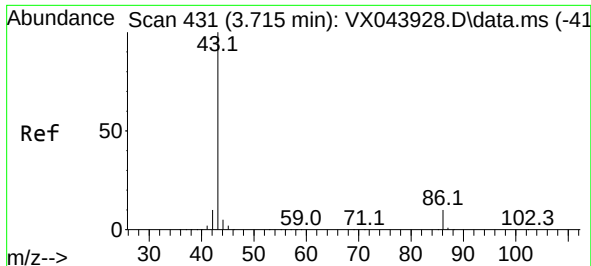
Tgt Ion: 96 Resp: 71058
Ion Ratio Lower Upper
96 100
61 141.2 111.8 167.6
98 63.9 52.7 79.1



#22
Diisopropyl ether
Concen: 52.775 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 45 Resp: 270141
Ion Ratio Lower Upper
45 100
43 78.4 59.6 89.4
87 26.2 22.9 34.3
59 10.5 9.8 14.6

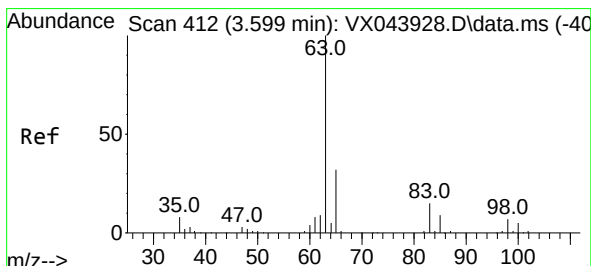
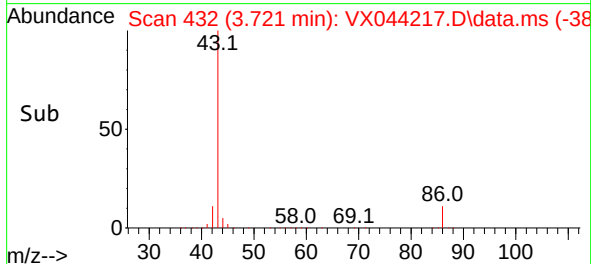
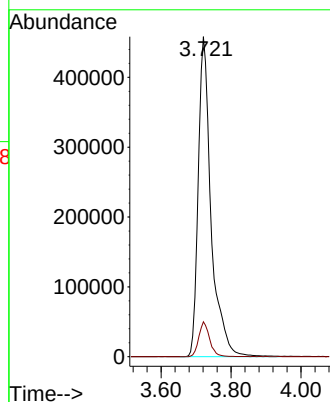
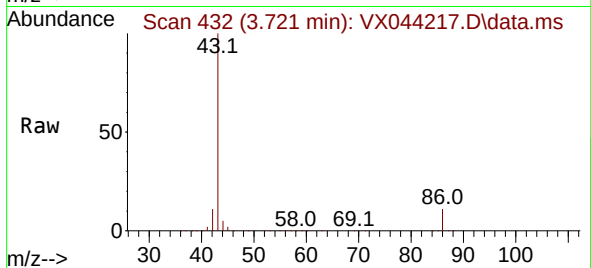




#23
 Vinyl Acetate
 Concen: 266.817 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044217.D
 Acq: 10 Dec 2024 18:44

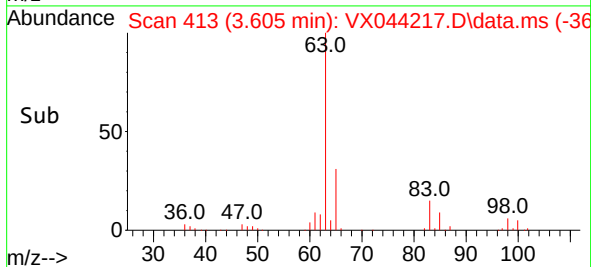
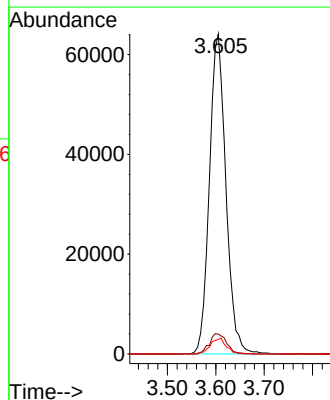
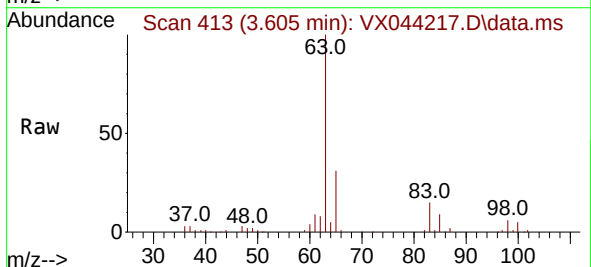
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

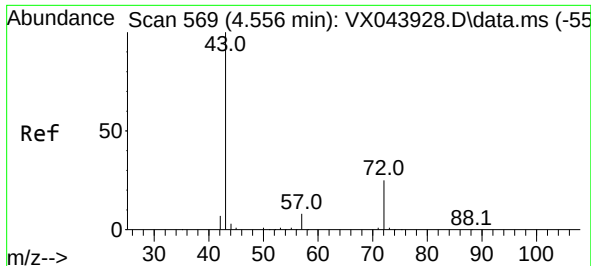
Tgt Ion: 43 Resp: 1168321
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 51.412 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044217.D
 Acq: 10 Dec 2024 18:44

Tgt Ion: 63 Resp: 151815
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.6
 100 4.5 2.4 7.1

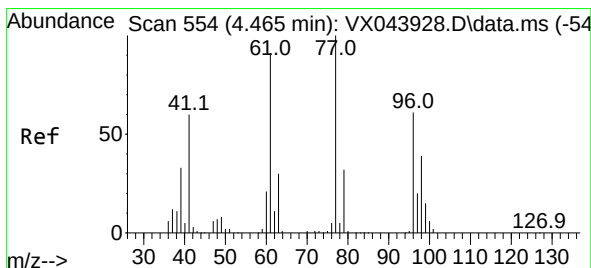
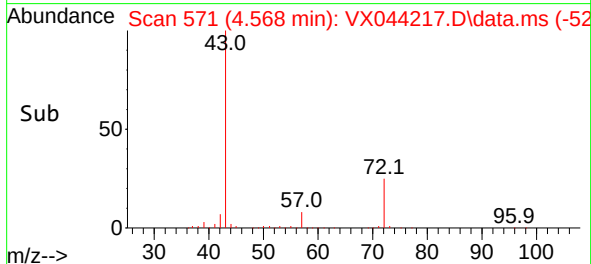
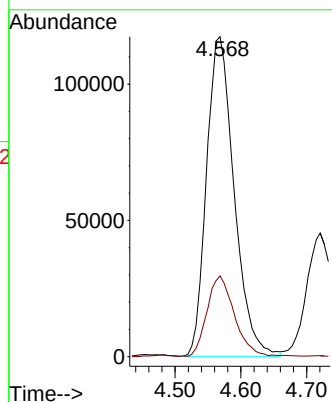
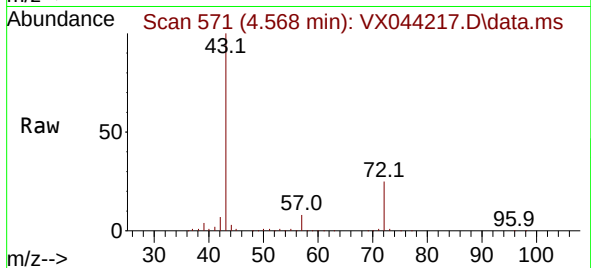




#25
2-Butanone
Concen: 265.133 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

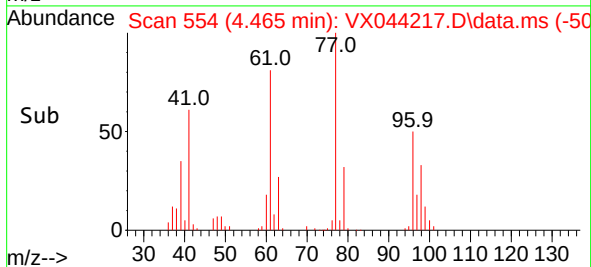
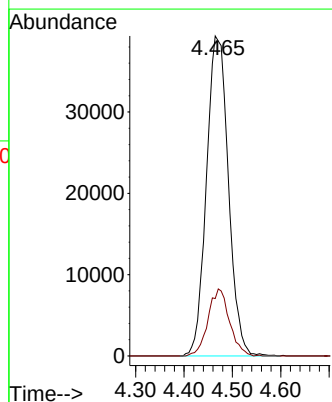
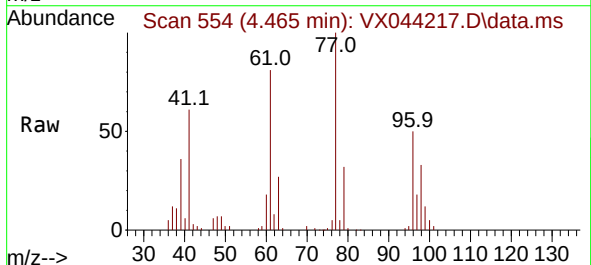
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

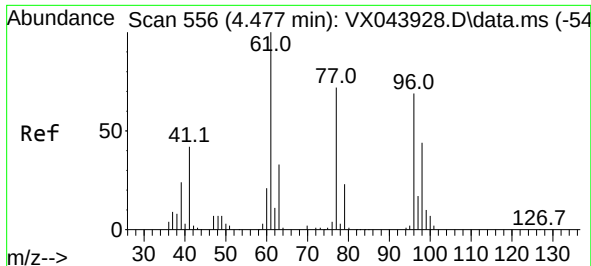
Tgt Ion: 43 Resp: 342634
Ion Ratio Lower Upper
43 100
72 25.1 20.2 30.2



#26
2,2-Dichloropropane
Concen: 46.597 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 77 Resp: 124266
Ion Ratio Lower Upper
77 100
97 20.4 10.8 32.3

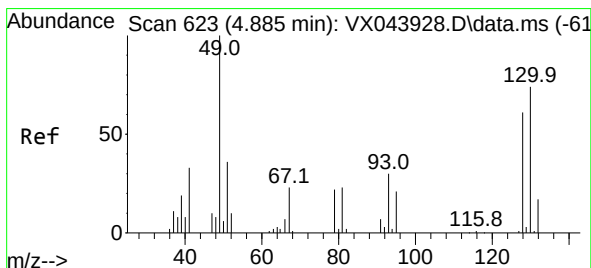
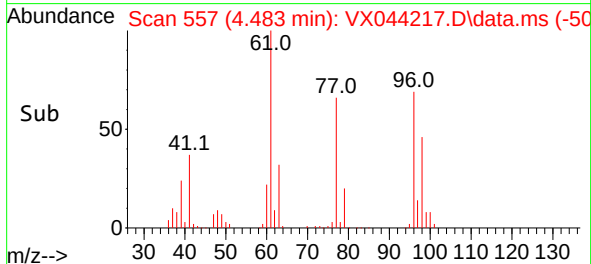
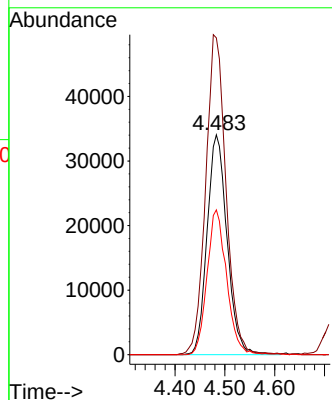
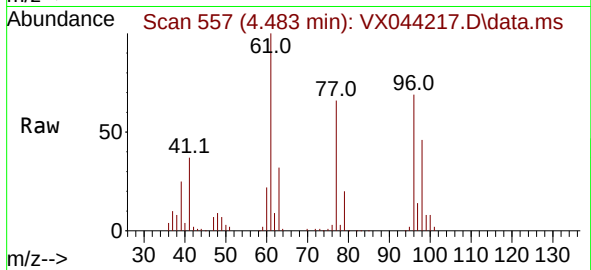




#27
cis-1,2-Dichloroethene
Concen: 50.598 ug/l
RT: 4.483 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

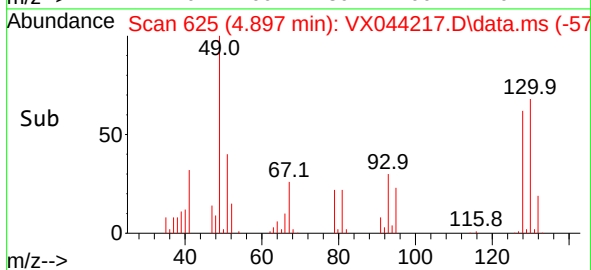
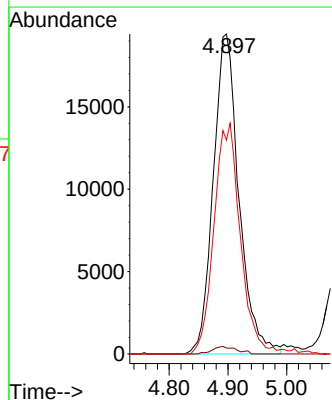
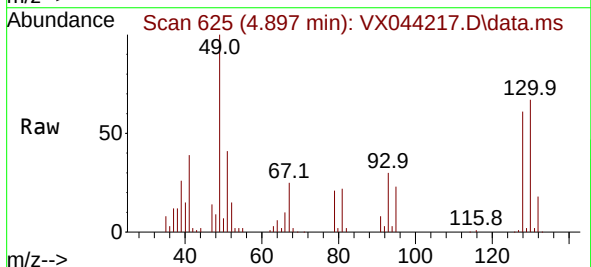
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

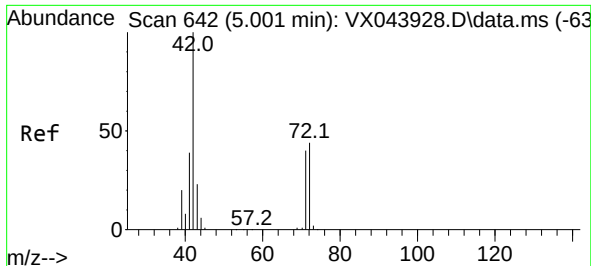
Tgt Ion: 96 Resp: 94599
Ion Ratio Lower Upper
96 100
61 148.7 0.0 297.4
98 64.8 0.0 127.8



#28
Bromochloromethane
Concen: 45.353 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 49 Resp: 58950
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.0
130 74.3 59.0 88.6





#29

Tetrahydrofuran

Concen: 269.350 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

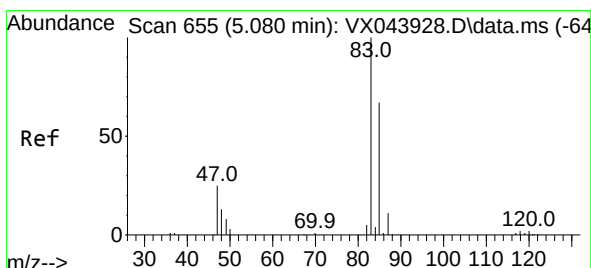
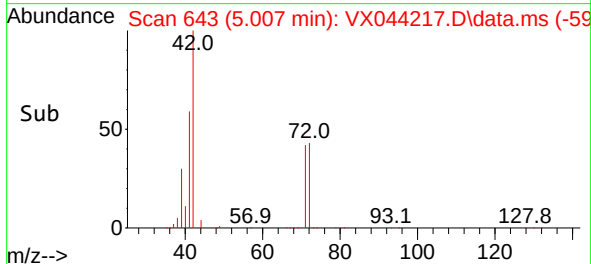
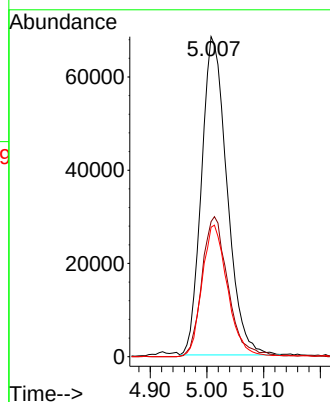
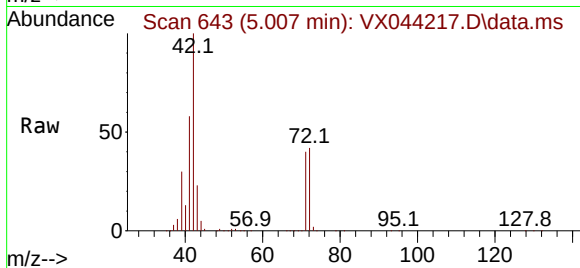
Tgt Ion: 42 Resp: 213397

Ion Ratio Lower Upper

42 100

72 45.1 36.4 54.6

71 41.3 33.4 50.0



#30

Chloroform

Concen: 52.620 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044217.D

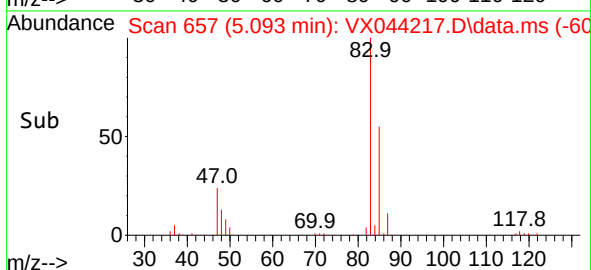
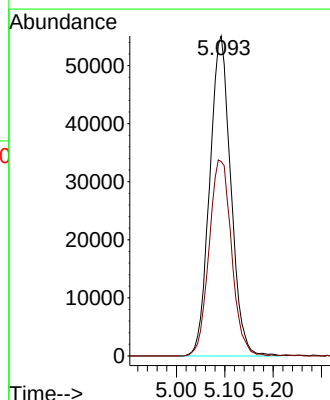
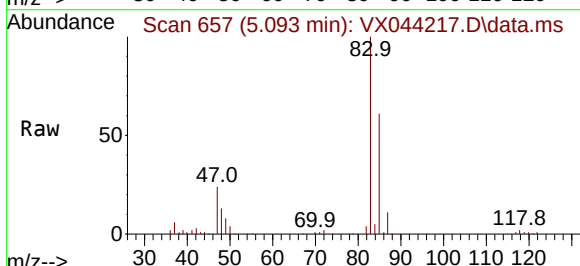
Acq: 10 Dec 2024 18:44

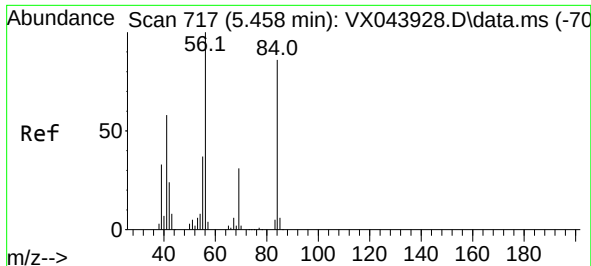
Tgt Ion: 83 Resp: 167120

Ion Ratio Lower Upper

83 100

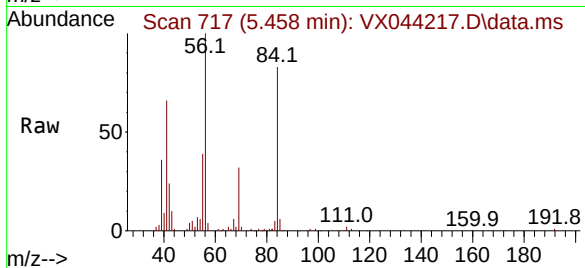
85 60.7 53.5 80.3



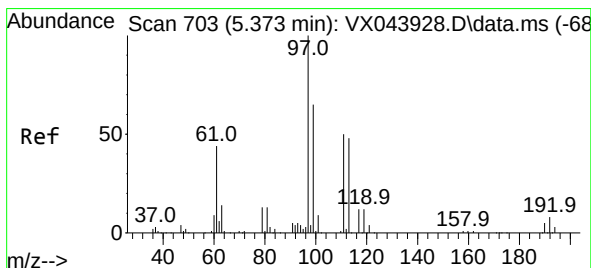
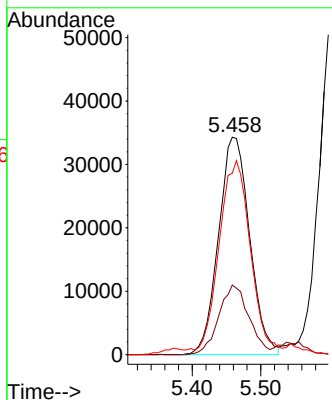
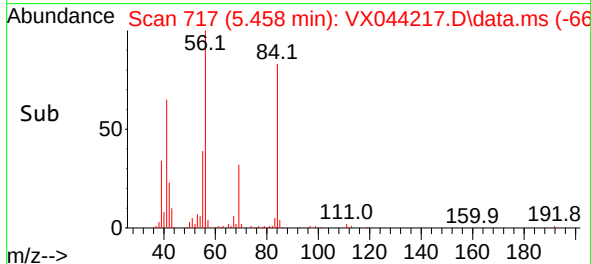


#31
Cyclohexane
Concen: 44.572 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

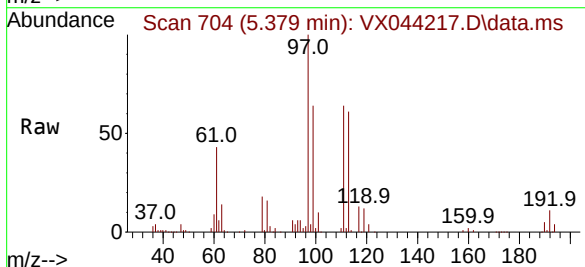
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



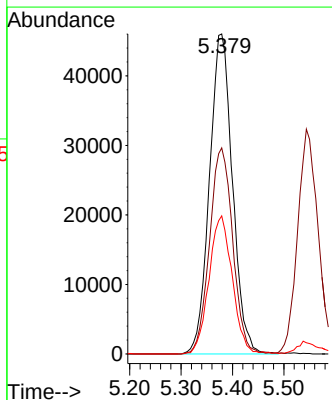
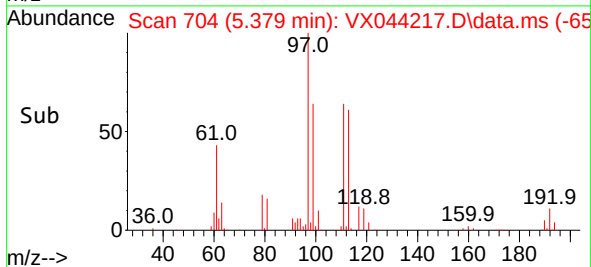
Tgt Ion: 56 Resp: 108328
Ion Ratio Lower Upper
56 100
69 32.0 24.7 37.1
84 80.8 68.7 103.1

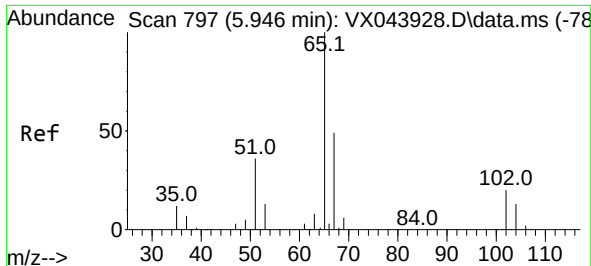


#32
1,1,1-Trichloroethane
Concen: 52.251 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44



Tgt Ion: 97 Resp: 143108
Ion Ratio Lower Upper
97 100
99 64.9 50.8 76.2
61 43.5 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 53.240 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

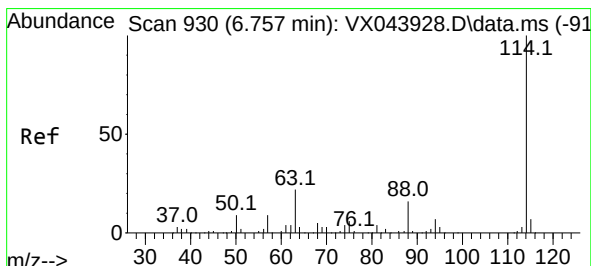
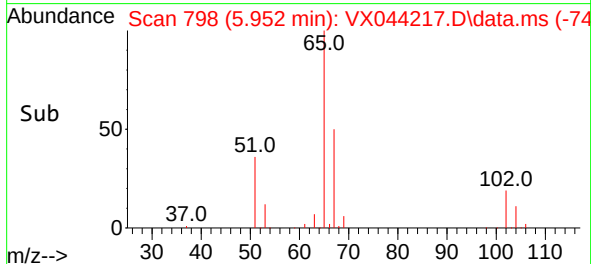
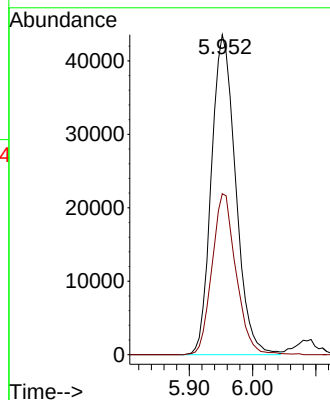
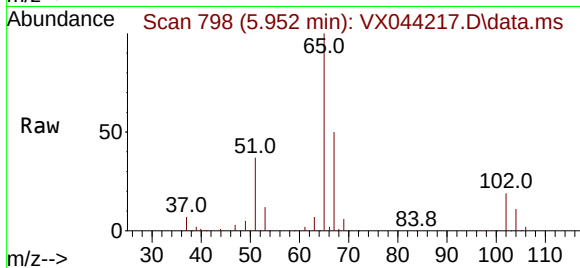
VSTDCCC050EC

Tgt Ion: 65 Resp: 116097

Ion Ratio Lower Upper

65 100

67 49.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

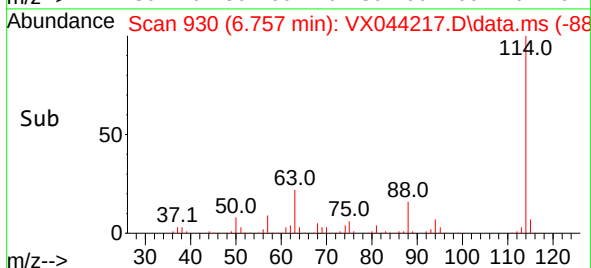
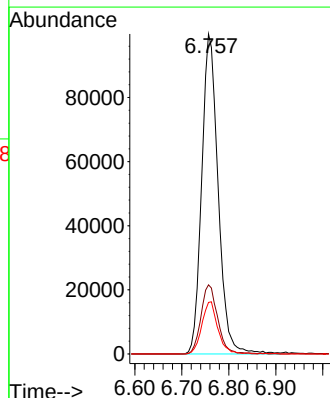
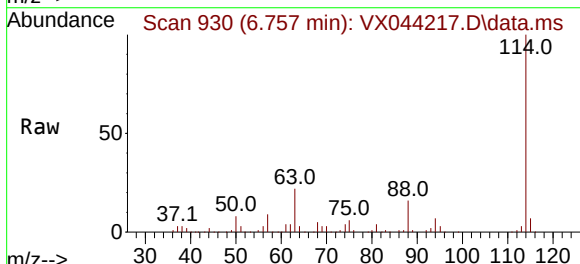
Tgt Ion: 114 Resp: 242423

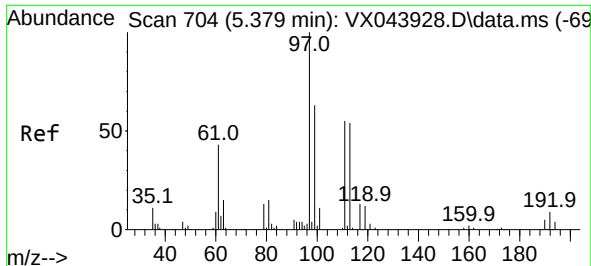
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.0

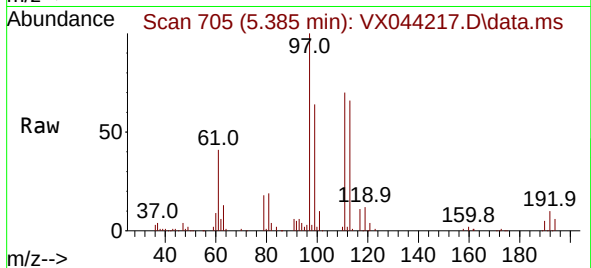
88 16.1 0.0 32.4



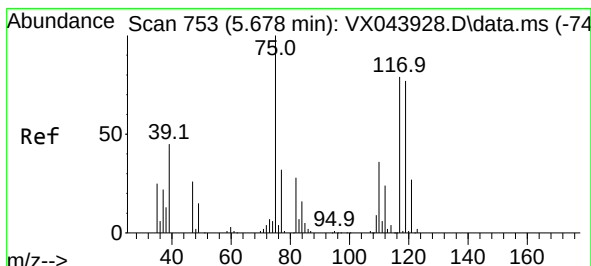
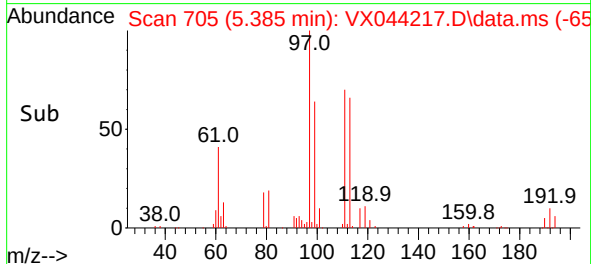
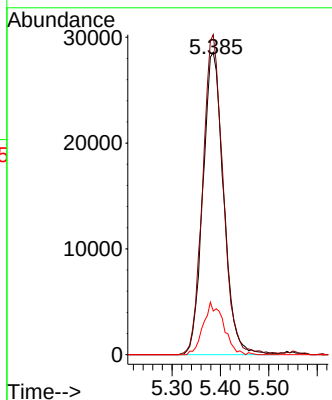


#35
Dibromofluoromethane
Concen: 49.124 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

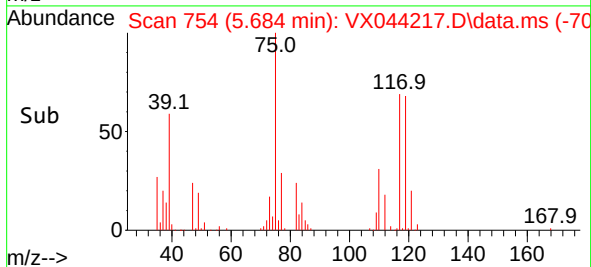
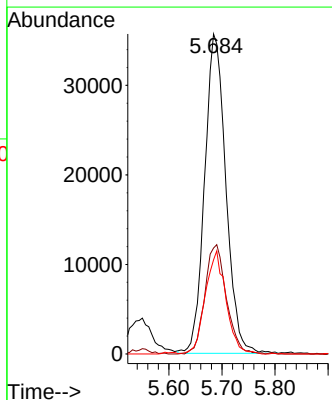
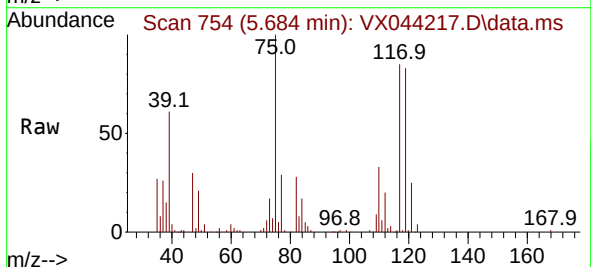


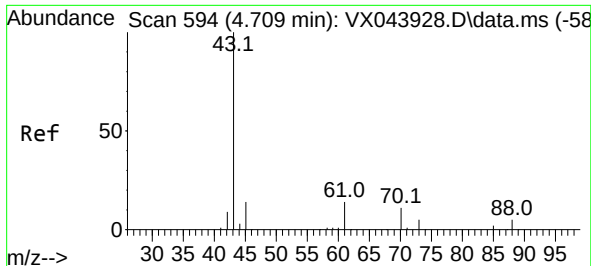
Tgt Ion:113 Resp: 85094
Ion Ratio Lower Upper
113 100
111 103.8 81.0 121.4
192 17.0 13.0 19.6



#36
1,1-Dichloropropene
Concen: 45.995 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 99283
Ion Ratio Lower Upper
75 100
110 34.8 17.4 52.2
77 31.5 25.8 38.8





#37

Ethyl Acetate

Concen: 49.549 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

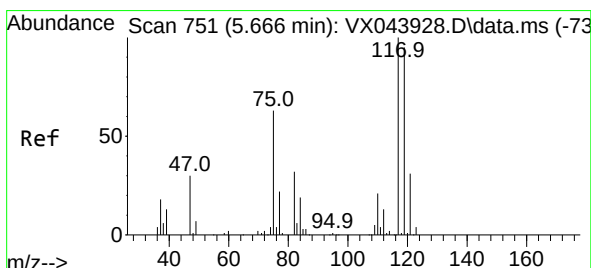
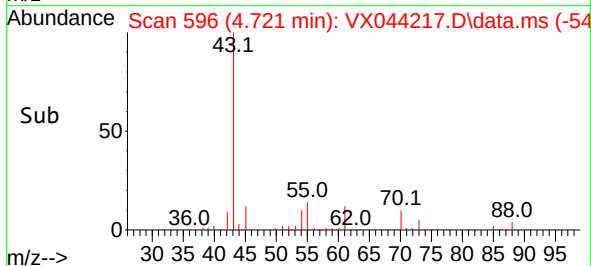
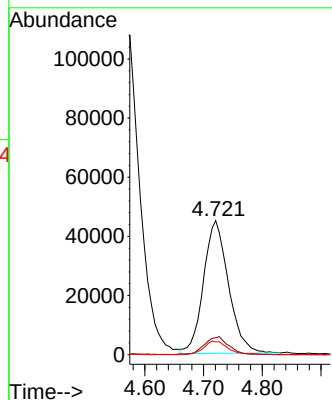
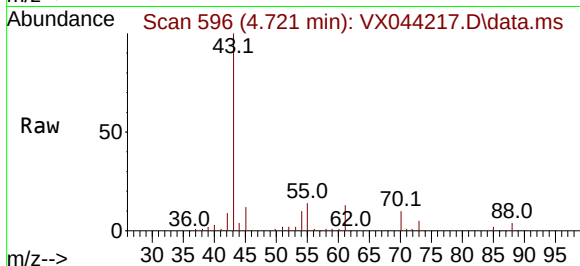
Tgt Ion: 43 Resp: 132767

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

70 9.8 8.0 12.0



#38

Carbon Tetrachloride

Concen: 46.595 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

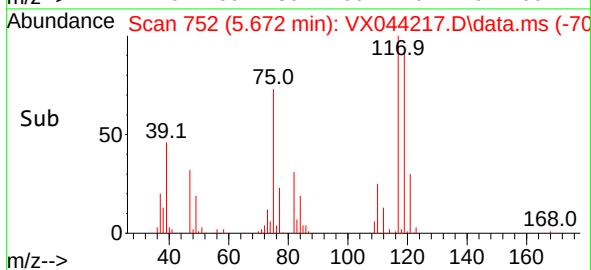
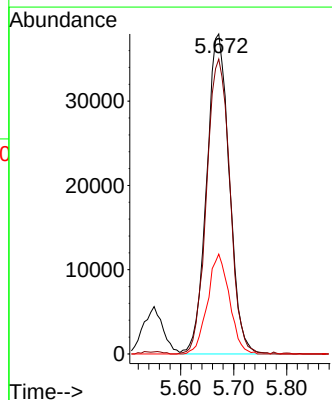
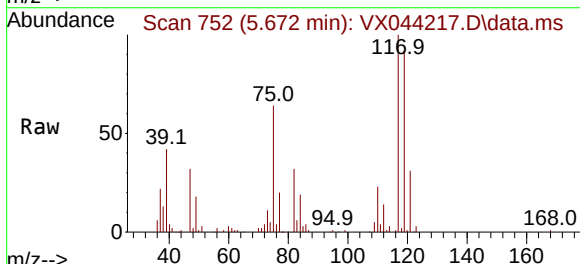
Tgt Ion: 117 Resp: 113013

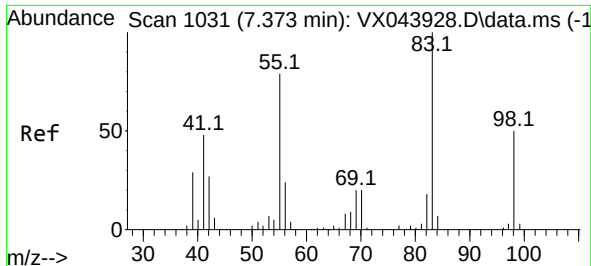
Ion Ratio Lower Upper

117 100

119 92.1 75.2 112.8

121 31.2 24.5 36.7





#39

Methylcyclohexane

Concen: 42.624 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

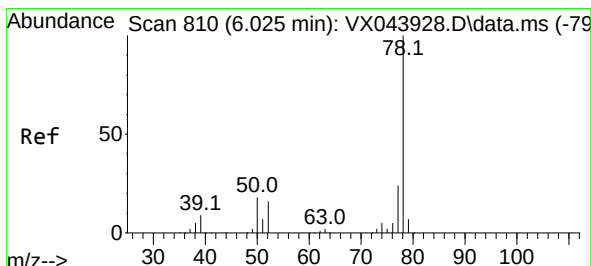
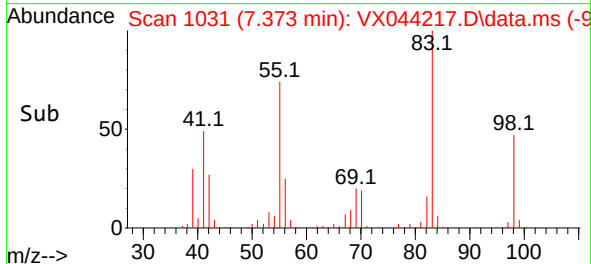
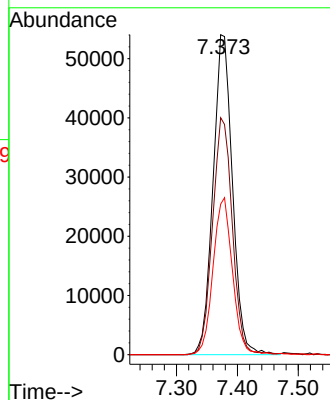
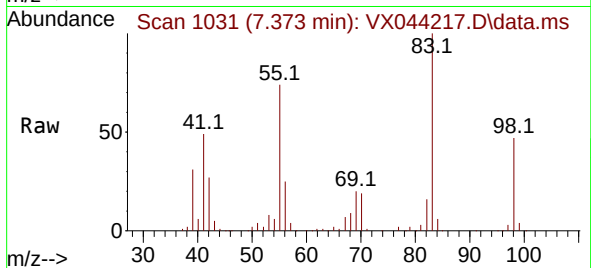
Tgt Ion: 83 Resp: 119528

Ion Ratio Lower Upper

83 100

55 74.0 63.1 94.7

98 47.0 40.0 60.0



#40

Benzene

Concen: 46.428 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044217.D

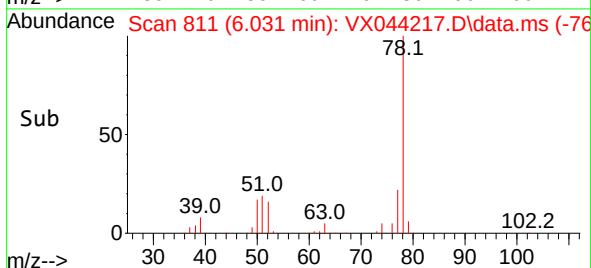
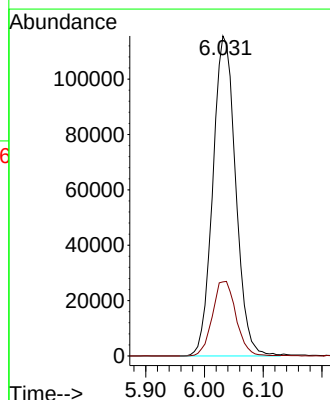
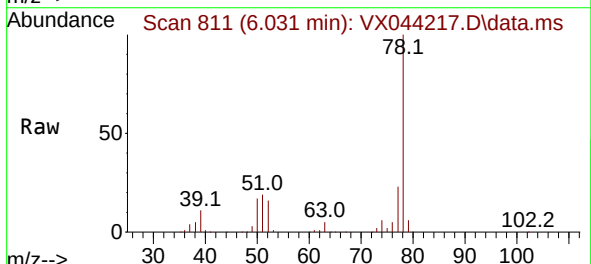
Acq: 10 Dec 2024 18:44

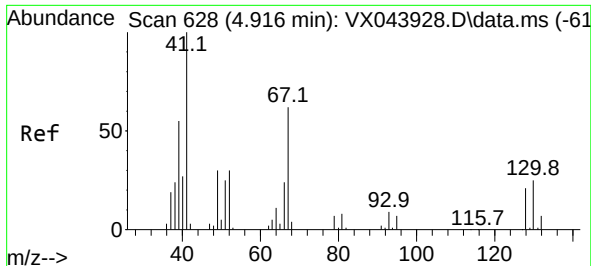
Tgt Ion: 78 Resp: 312174

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8

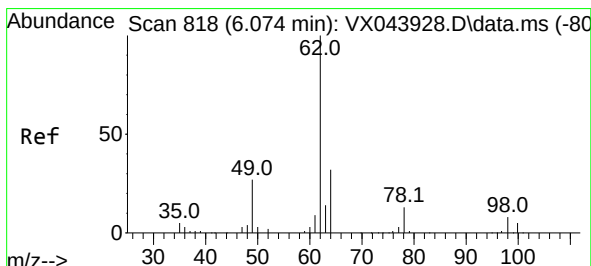
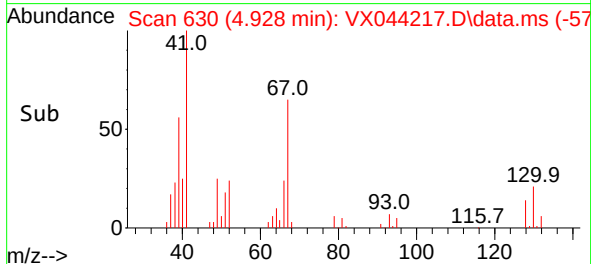
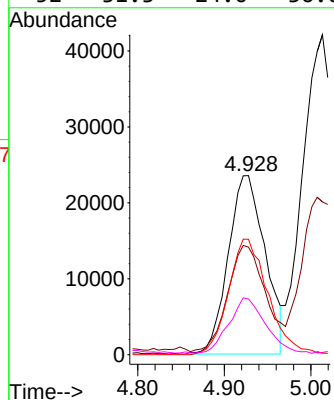
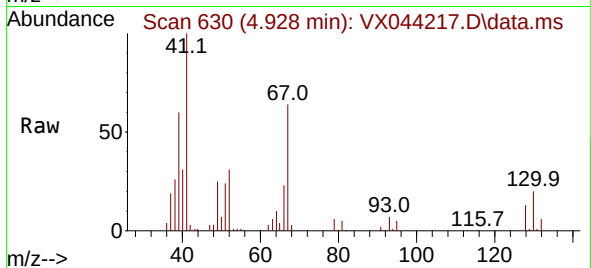




#41
Methacrylonitrile
Concen: 50.743 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

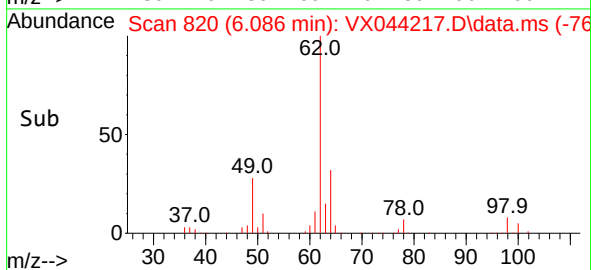
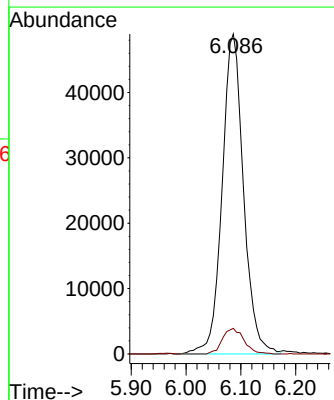
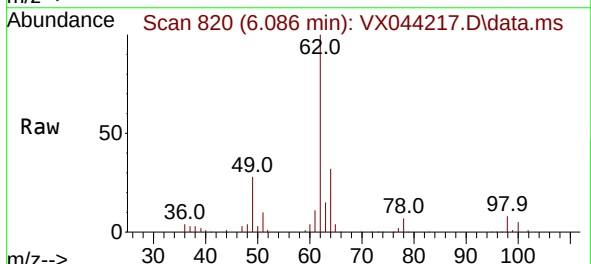
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

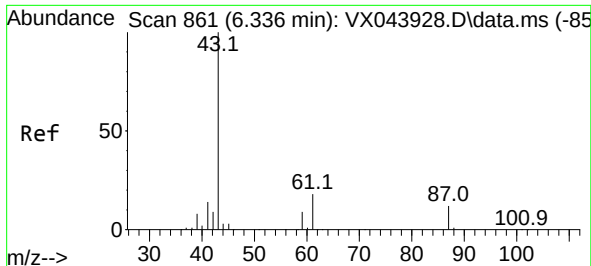
Tgt Ion:	41	Resp:	69589
Ion	Ratio	Lower	Upper
41	100		
39	61.3	41.7	62.5
67	69.5	55.8	83.8
52	31.3	24.0	36.0



#42
1,2-Dichloroethane
Concen: 49.283 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:	62	Resp:	133086
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4

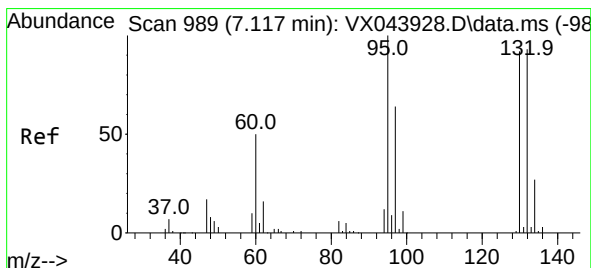
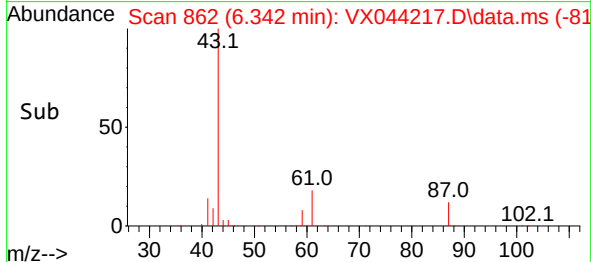
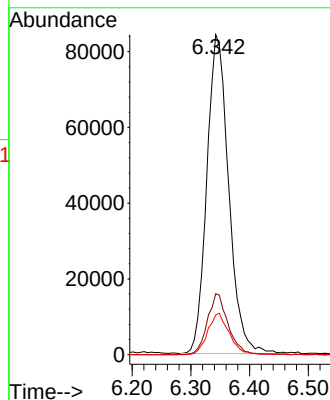
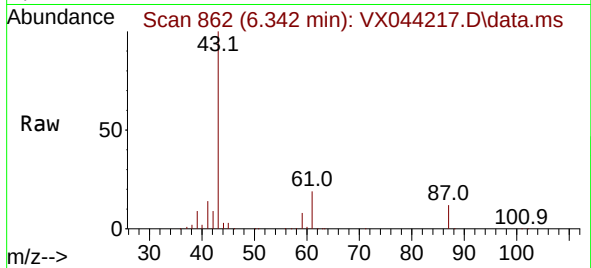




#43
Isopropyl Acetate
Concen: 51.122 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

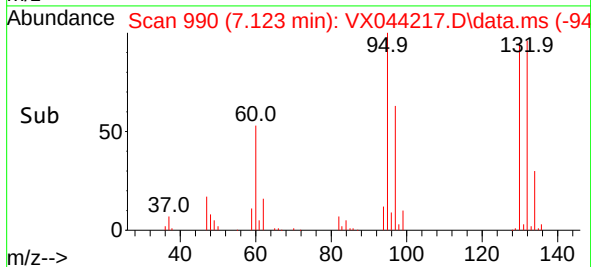
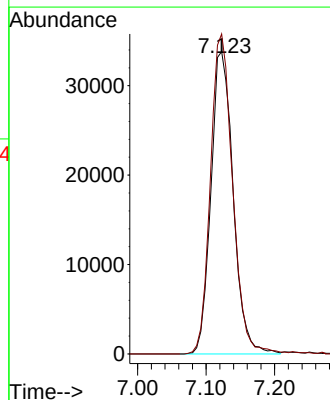
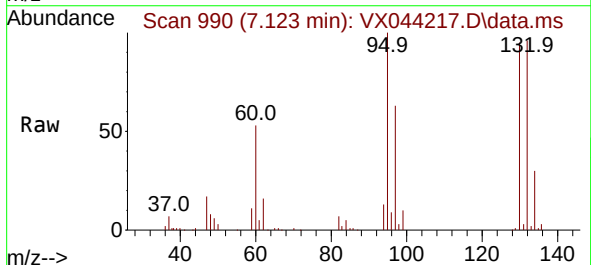
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

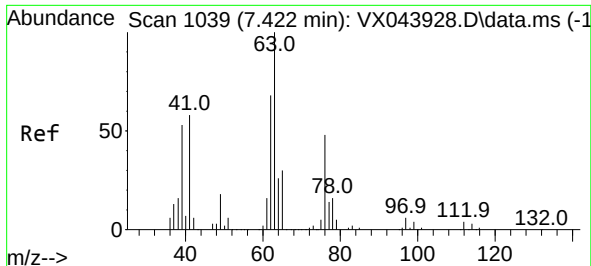
Tgt Ion: 43 Resp: 217997
Ion Ratio Lower Upper
43 100
61 18.1 14.5 21.7
87 12.8 10.2 15.2



#44
Trichloroethene
Concen: 40.071 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:130 Resp: 76272
Ion Ratio Lower Upper
130 100
95 105.8 0.0 217.8





#45

1,2-Dichloropropane

Concen: 49.418 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

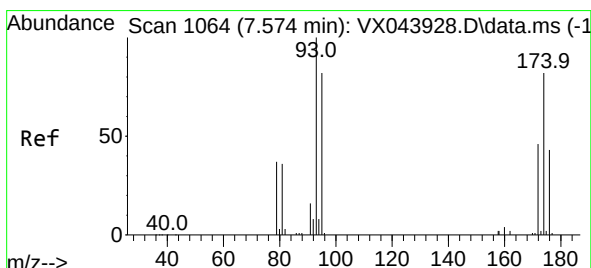
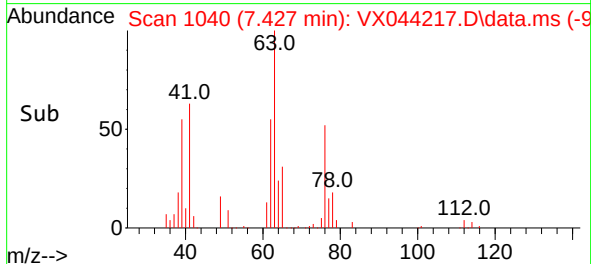
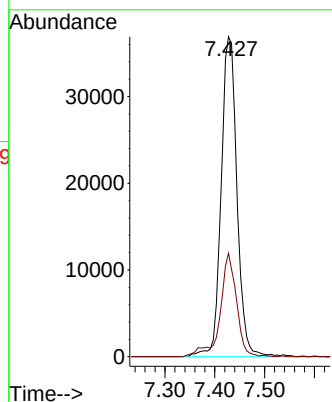
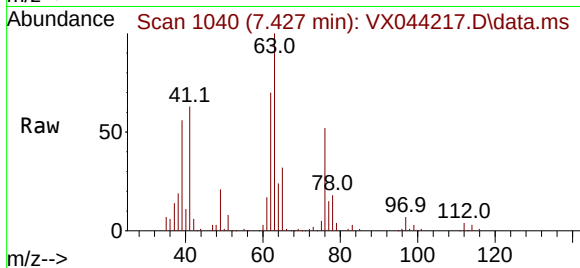
VSTDCCC050EC

Tgt Ion: 63 Resp: 81383

Ion Ratio Lower Upper

63 100

65 32.3 23.8 35.6



#46

Dibromomethane

Concen: 50.501 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

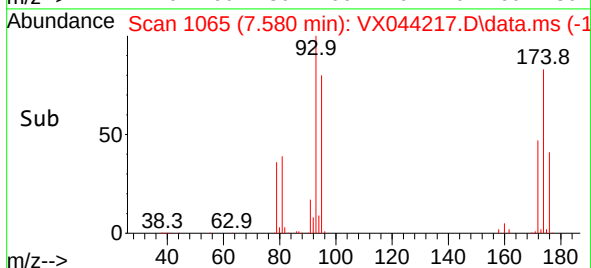
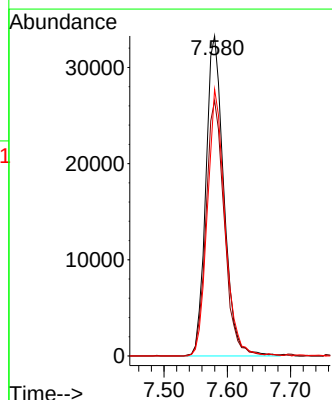
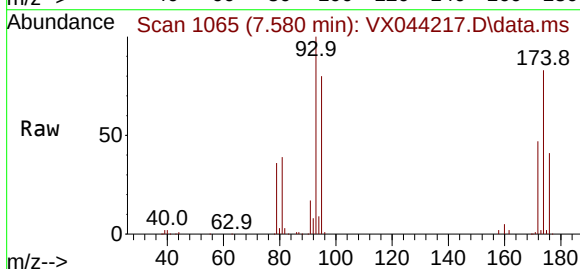
Tgt Ion: 93 Resp: 65788

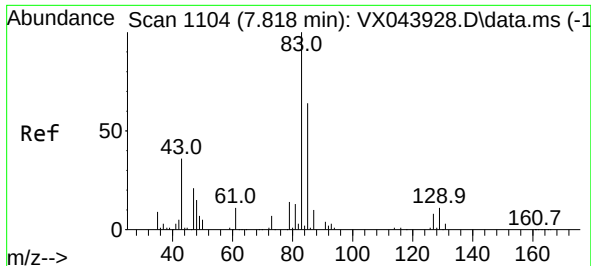
Ion Ratio Lower Upper

93 100

95 81.5 66.2 99.4

174 81.5 69.6 104.4

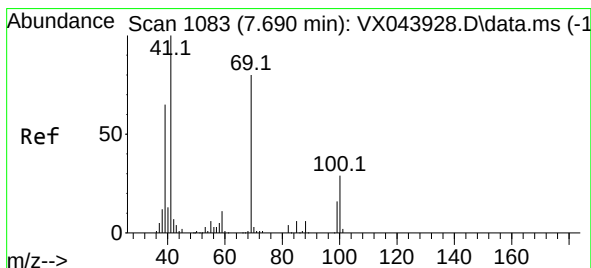
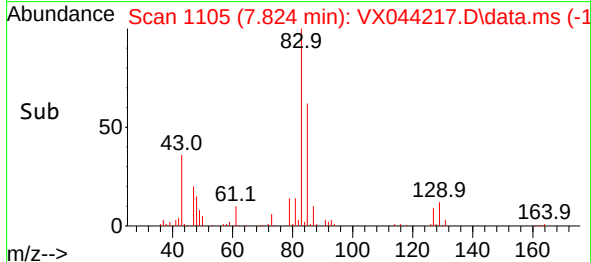
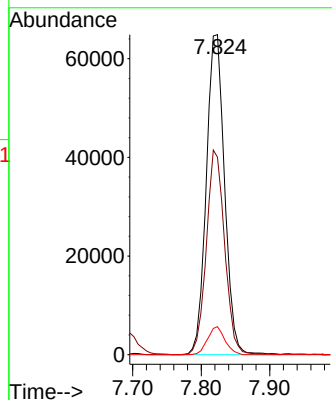
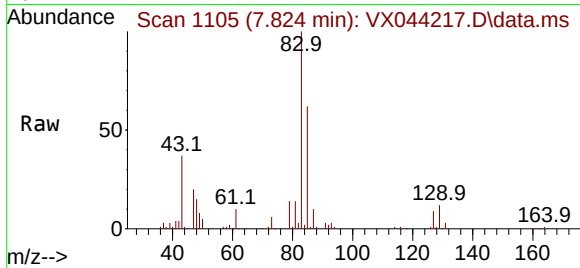




#47
Bromodichloromethane
Concen: 51.522 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

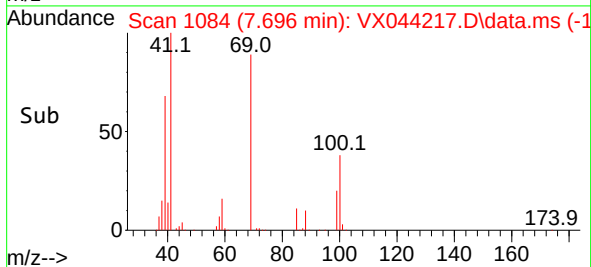
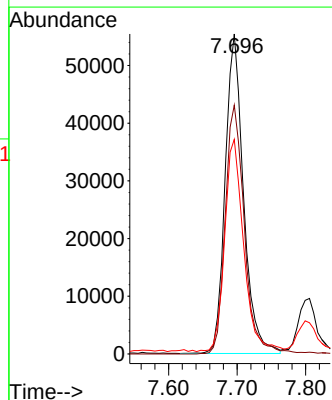
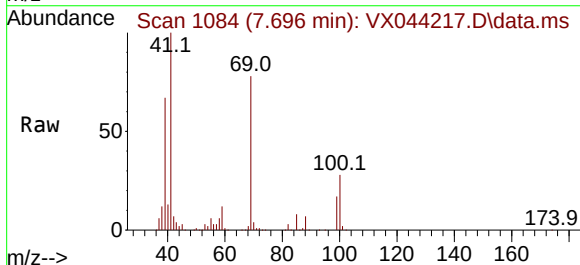
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

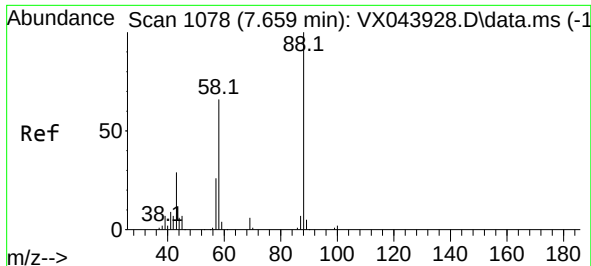
Tgt Ion: 83 Resp: 120375
Ion Ratio Lower Upper
83 100
85 61.7 51.4 77.0
127 8.8 6.6 10.0



#48
Methyl methacrylate
Concen: 50.075 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 41 Resp: 102462
Ion Ratio Lower Upper
41 100
69 81.8 64.6 97.0
39 68.8 53.3 79.9





#49

1,4-Dioxane

Concen: 846.622 ug/l

RT: 7.665 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

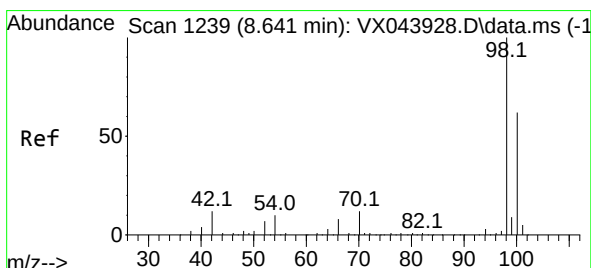
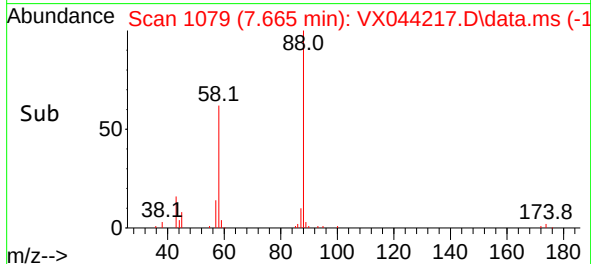
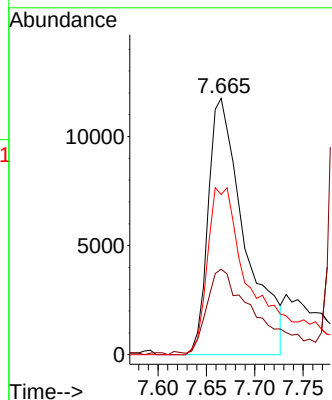
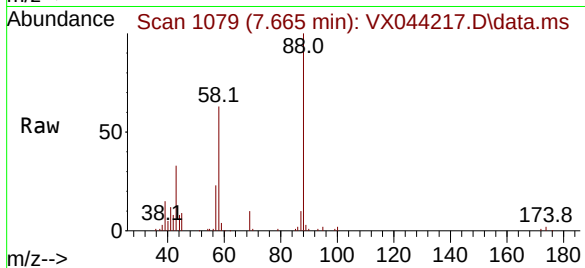
Tgt Ion: 88 Resp: 30858

Ion Ratio Lower Upper

88 100

43 46.1 26.8 40.2#

58 86.7 45.4 68.2#



#50

Toluene-d8

Concen: 47.129 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044217.D

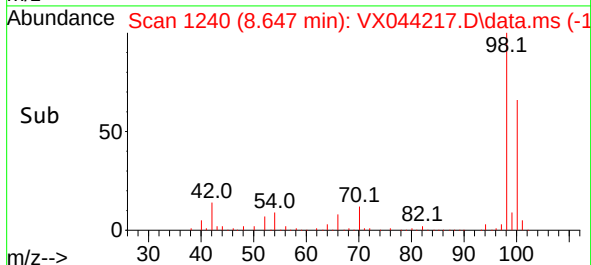
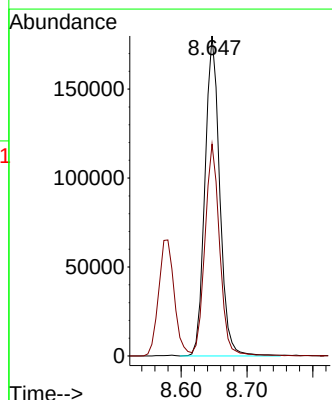
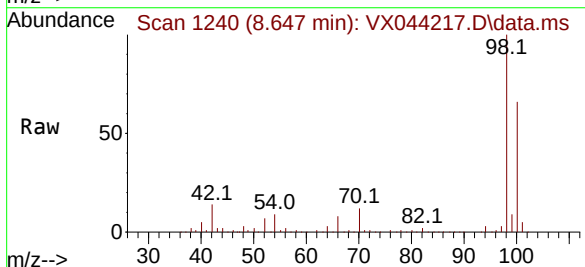
Acq: 10 Dec 2024 18:44

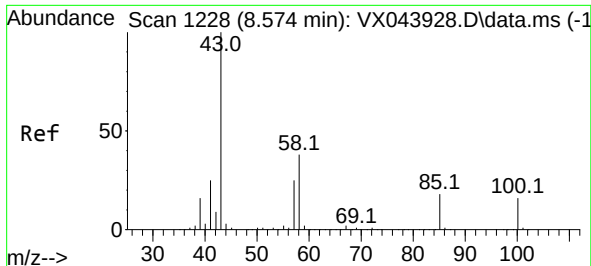
Tgt Ion: 98 Resp: 281415

Ion Ratio Lower Upper

98 100

100 65.7 52.6 79.0

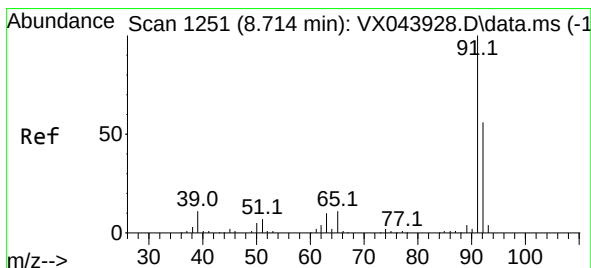
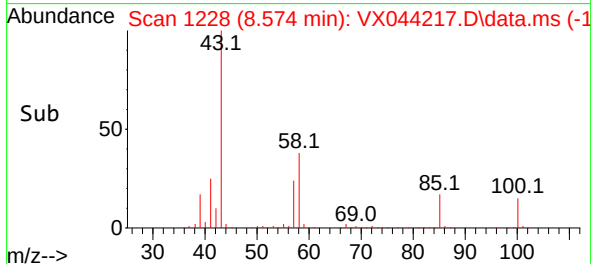
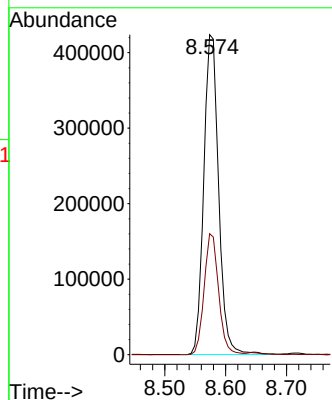
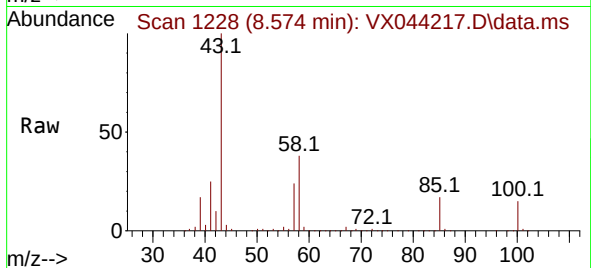




#51
4-Methyl-2-Pentanone
Concen: 276.463 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

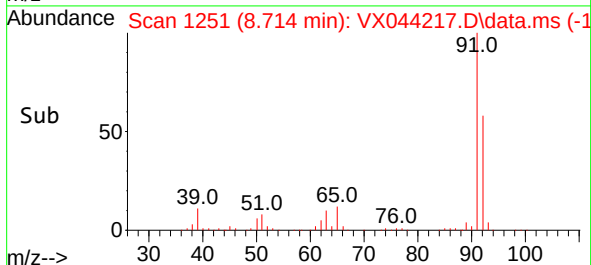
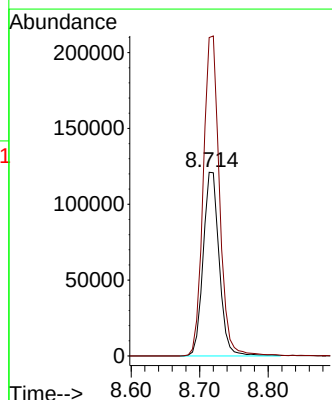
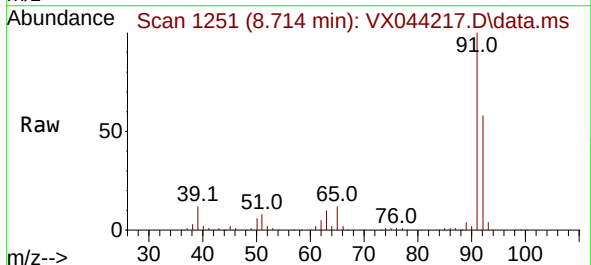
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

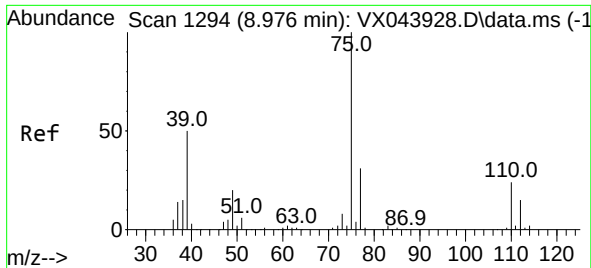
Tgt Ion: 43 Resp: 719431
Ion Ratio Lower Upper
43 100
58 36.8 30.0 45.0



#52
Toluene
Concen: 49.112 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 92 Resp: 197647
Ion Ratio Lower Upper
92 100
91 176.1 139.7 209.5

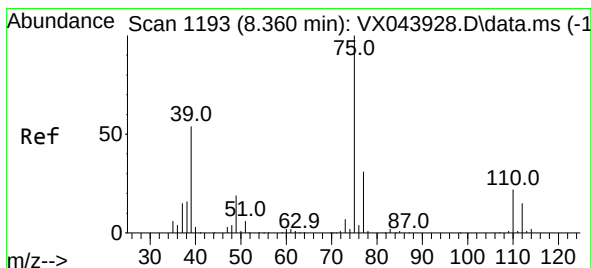
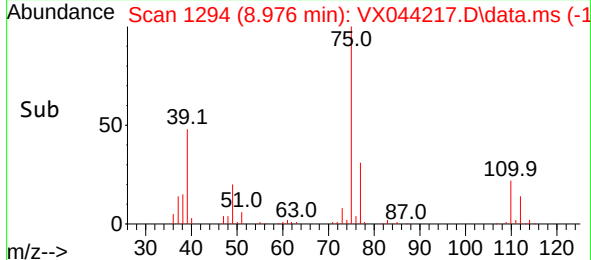
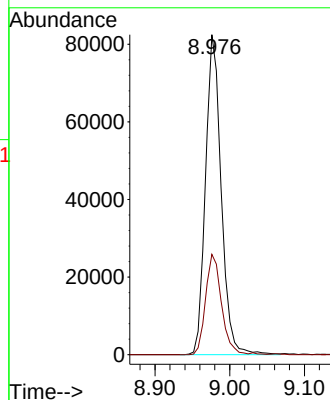
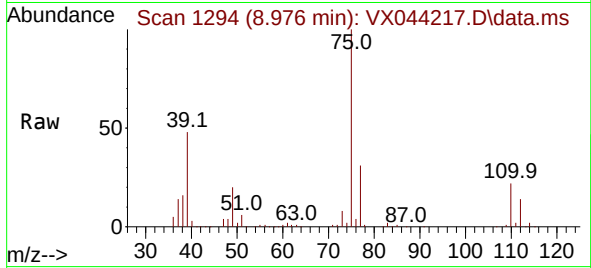




#53
 t-1,3-Dichloropropene
 Concen: 50.525 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. -0.000 min
 Lab File: VX044217.D
 Acq: 10 Dec 2024 18:44

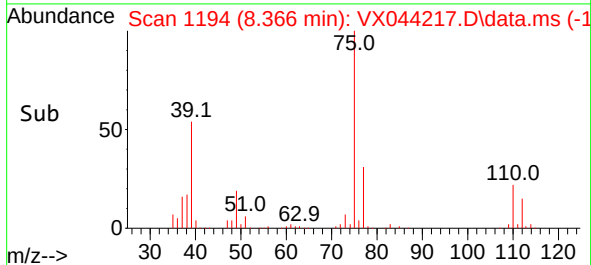
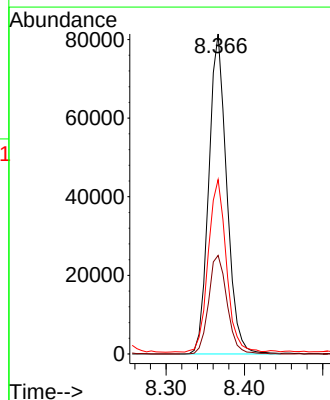
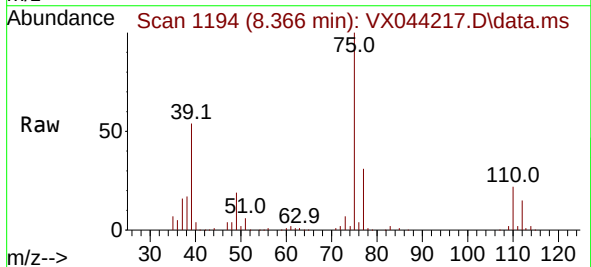
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

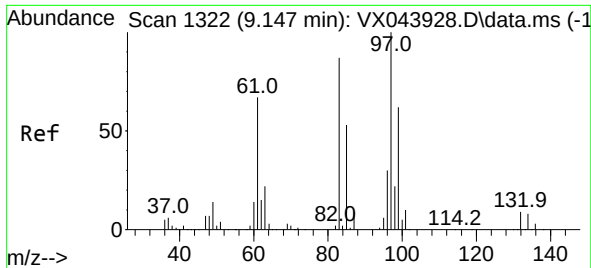
Tgt Ion: 75 Resp: 120376
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 49.583 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX044217.D
 Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 129505
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.2 37.8
 39 53.8 43.1 64.7

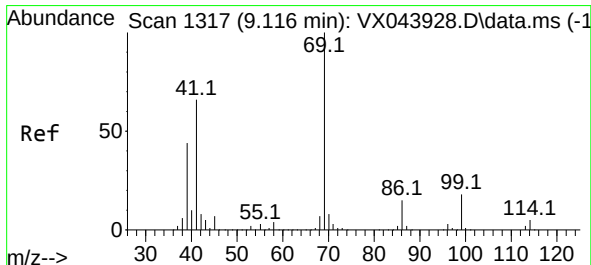
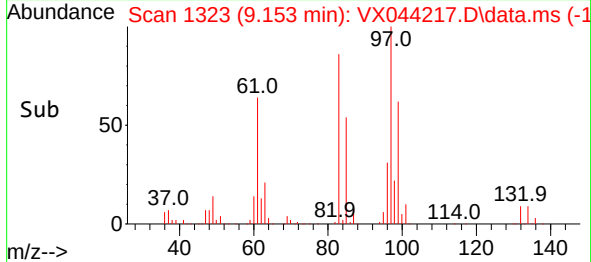
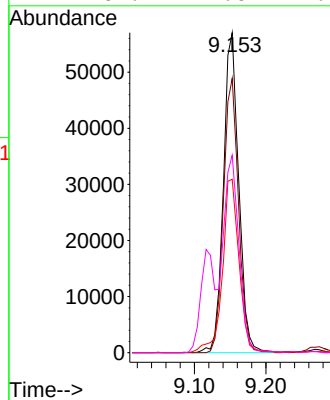
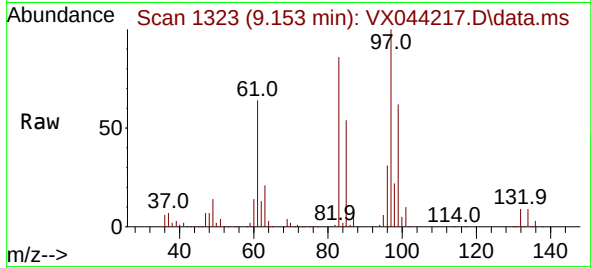




#55
 1,1,2-Trichloroethane
 Concen: 51.024 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX044217.D
 Acq: 10 Dec 2024 18:44

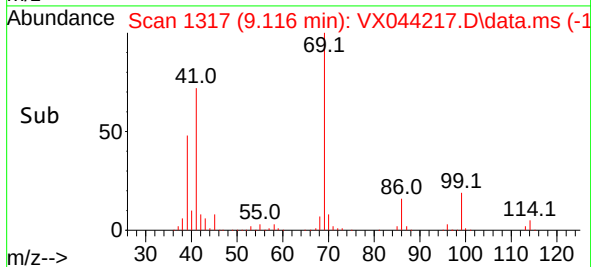
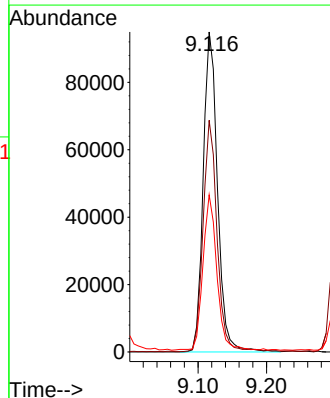
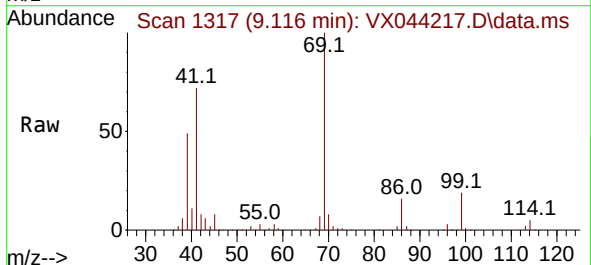
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

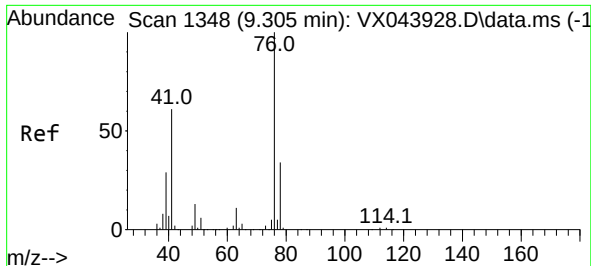
Tgt Ion: 97	Resp: 84764
Ion Ratio	Lower Upper
97 100	
83 85.7	69.4 104.0
85 54.2	42.3 63.5
99 61.7	49.6 74.4



#56
 Ethyl methacrylate
 Concen: 53.395 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. -0.000 min
 Lab File: VX044217.D
 Acq: 10 Dec 2024 18:44

Tgt Ion: 69	Resp: 138164
Ion Ratio	Lower Upper
69 100	
41 71.2	55.8 83.8
39 47.1	36.7 55.1





#57

1,3-Dichloropropane

Concen: 50.557 ug/l

RT: 9.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

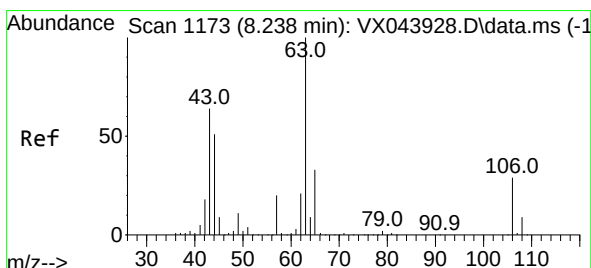
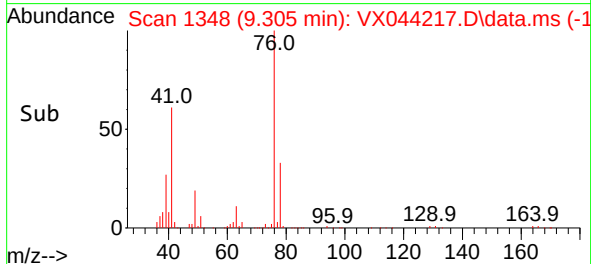
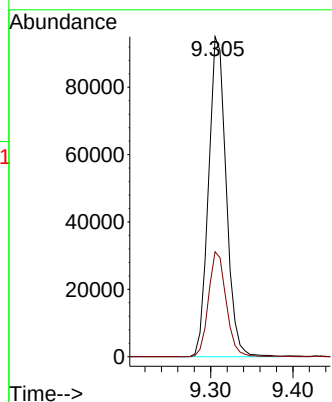
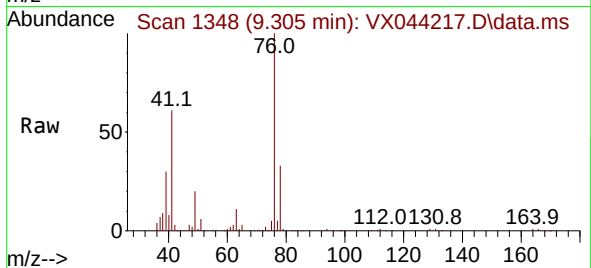
VSTDC050EC

Tgt Ion: 76 Resp: 141482

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 234.142 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044217.D

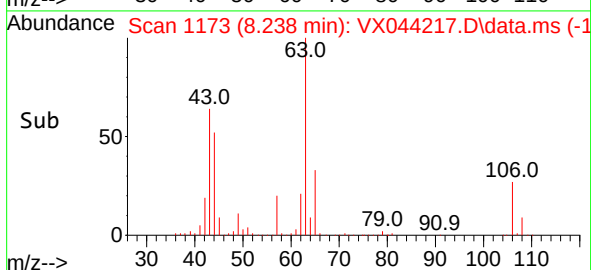
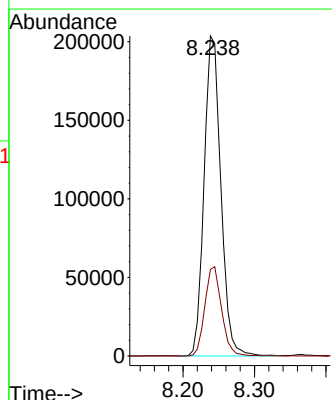
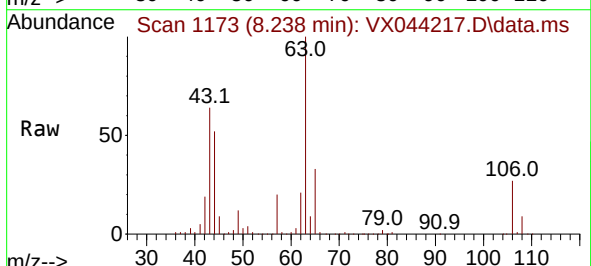
Acq: 10 Dec 2024 18:44

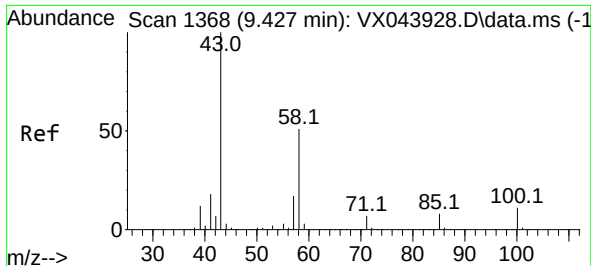
Tgt Ion: 63 Resp: 332302

Ion Ratio Lower Upper

63 100

106 27.8 23.0 34.6





#59

2-Hexanone

Concen: 275.412 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

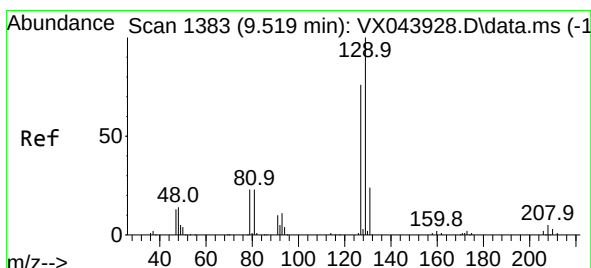
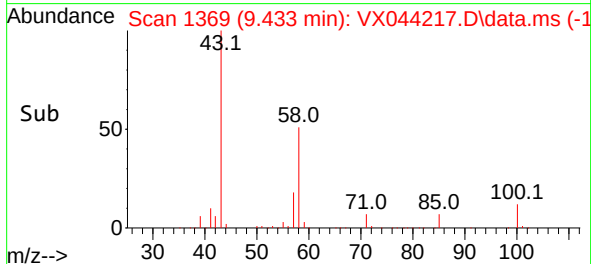
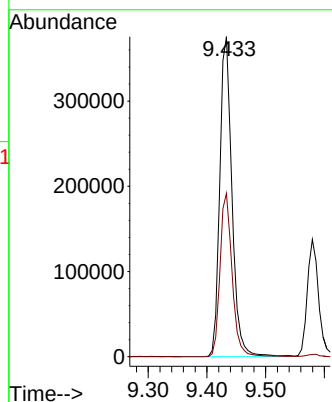
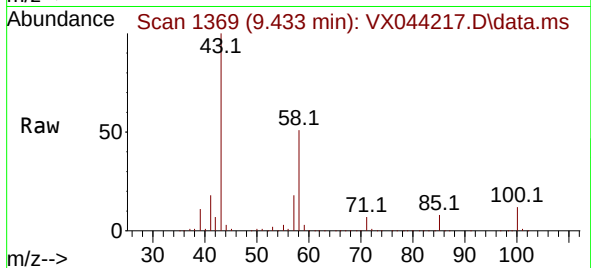
VSTDCCC050EC

Tgt Ion: 43 Resp: 538686

Ion Ratio Lower Upper

43 100

58 50.8 25.9 77.6



#60

Dibromochloromethane

Concen: 52.109 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044217.D

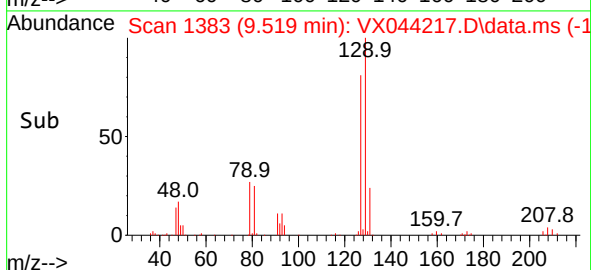
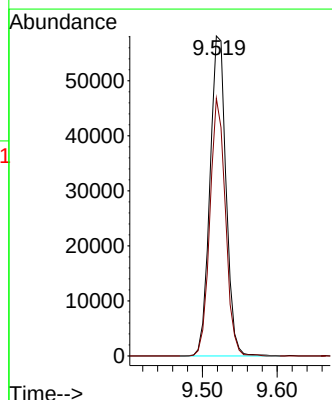
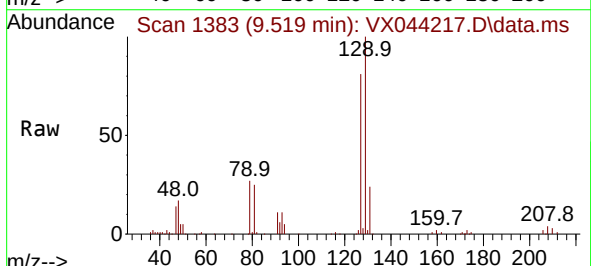
Acq: 10 Dec 2024 18:44

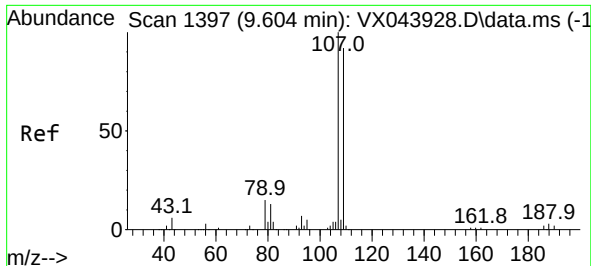
Tgt Ion: 129 Resp: 86855

Ion Ratio Lower Upper

129 100

127 77.7 38.2 114.6

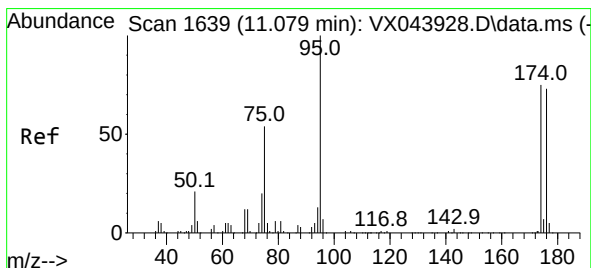
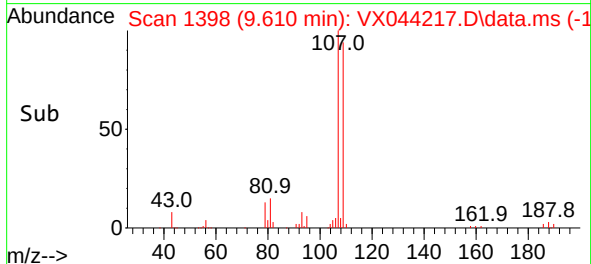
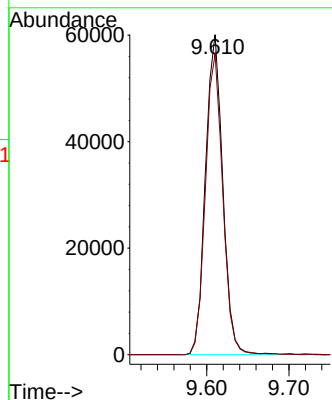
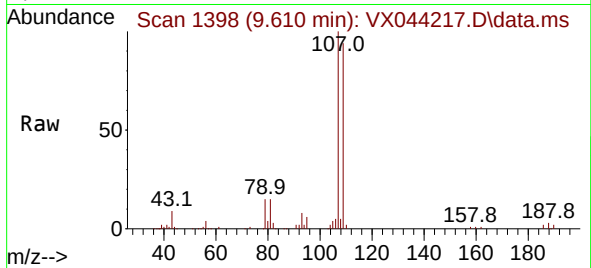




#61
1,2-Dibromoethane
Concen: 52.266 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

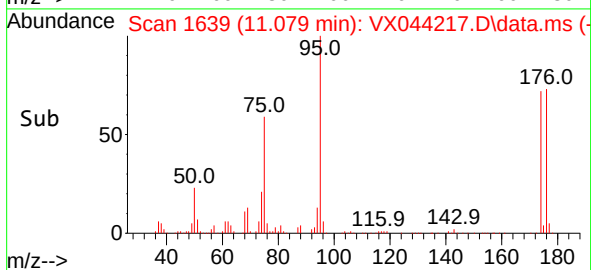
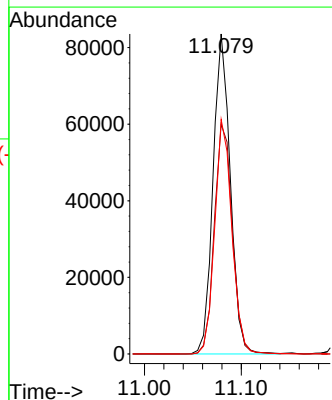
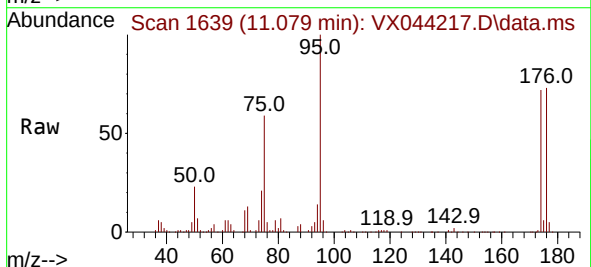
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

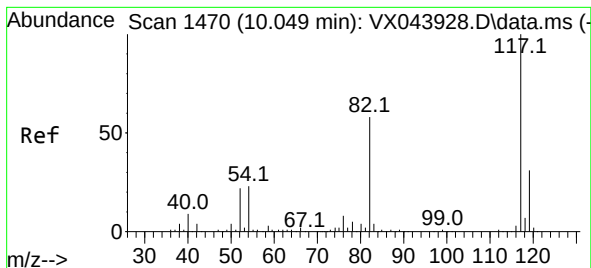
Tgt Ion:107 Resp: 87795
Ion Ratio Lower Upper
107 100
109 94.2 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 51.003 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 95 Resp: 103646
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.4
176 72.8 0.0 146.0

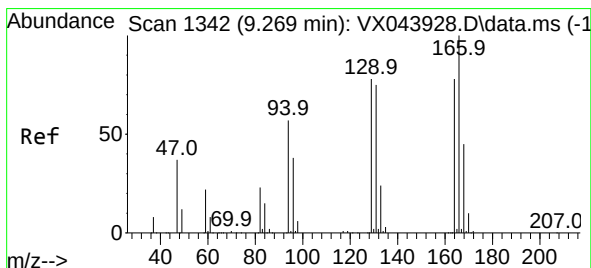
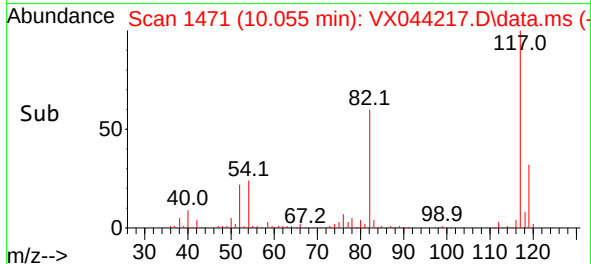
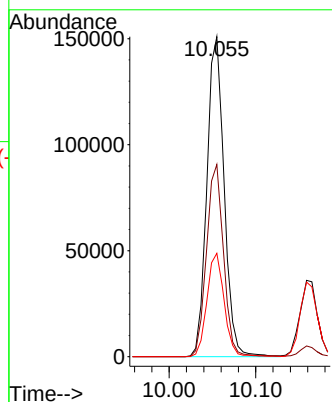
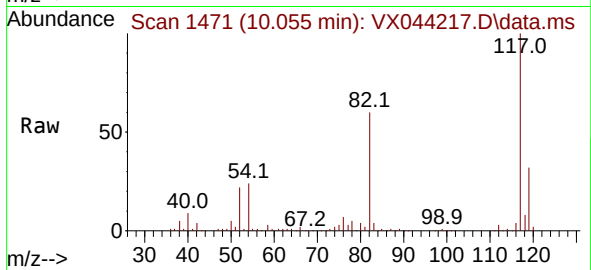




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

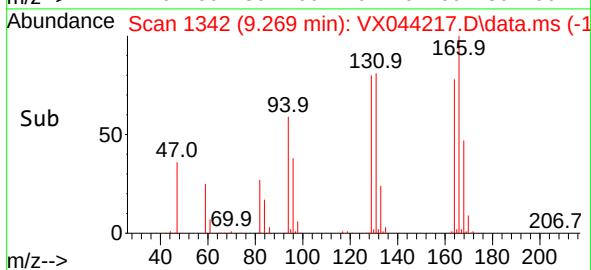
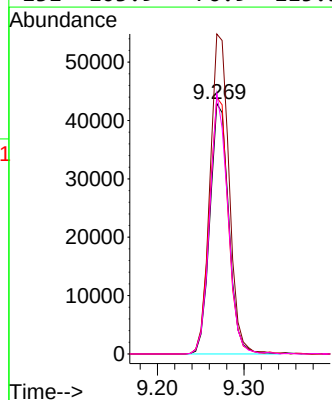
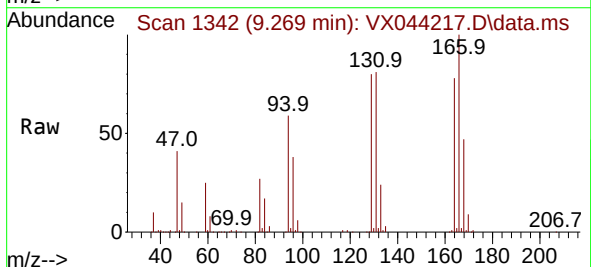
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

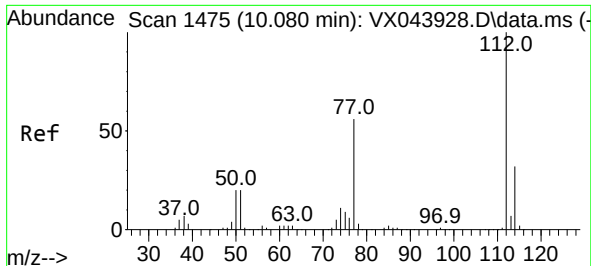
Tgt Ion:117 Resp: 208962
Ion Ratio Lower Upper
117 100
82 60.1 46.4 69.6
119 32.3 24.6 37.0



#64
Tetrachloroethene
Concen: 46.869 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:164 Resp: 64579
Ion Ratio Lower Upper
164 100
166 127.8 102.1 153.1
129 102.4 79.6 119.4
131 103.9 76.9 115.3

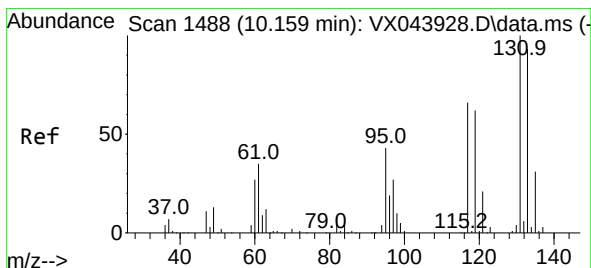
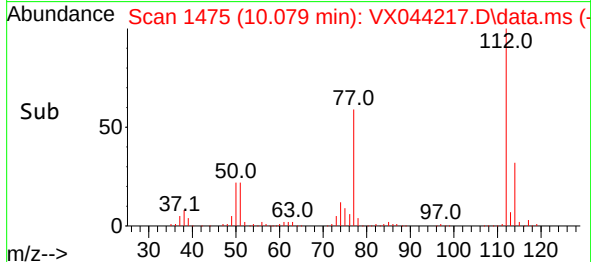
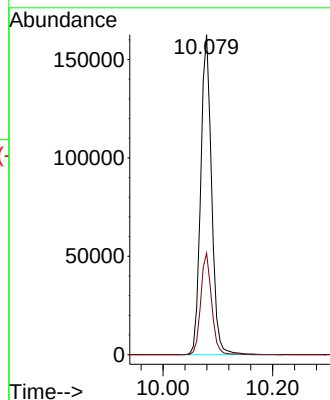
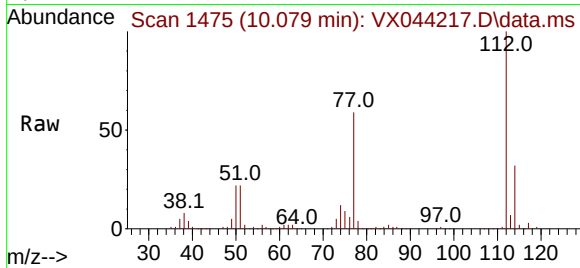




#65
Chlorobenzene
Concen: 48.841 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

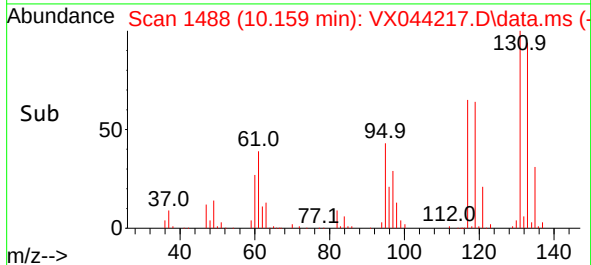
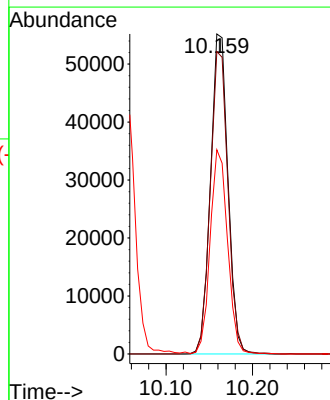
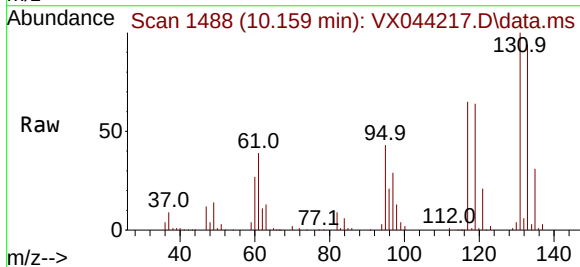
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

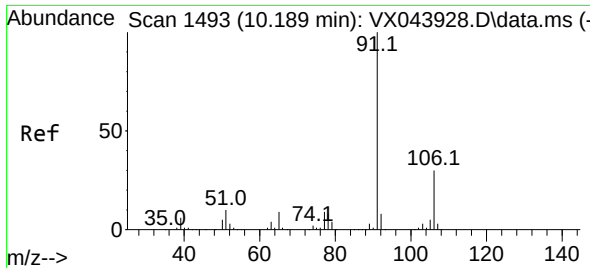
Tgt Ion:112 Resp: 224152
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.085 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:131 Resp: 77524
Ion Ratio Lower Upper
131 100
133 95.6 48.2 144.6
119 63.5 31.5 94.5

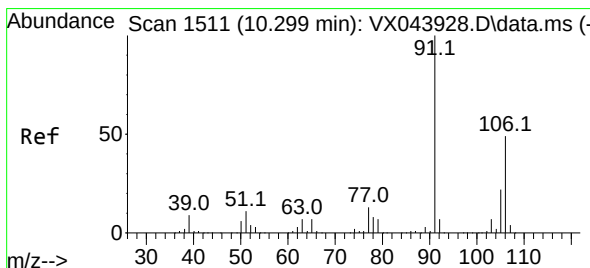
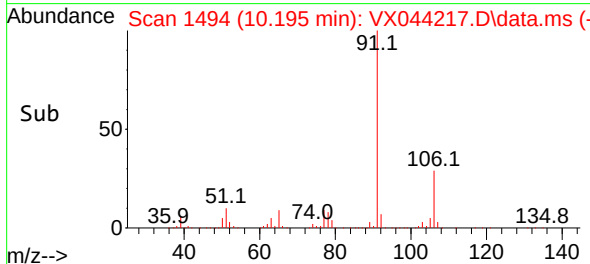
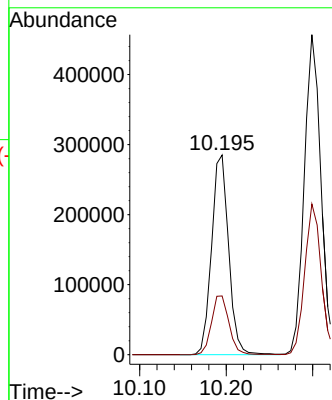
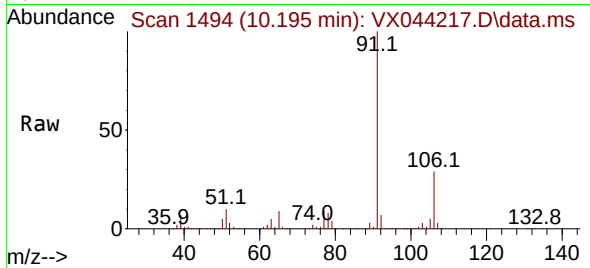




#67
Ethyl Benzene
Concen: 50.145 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

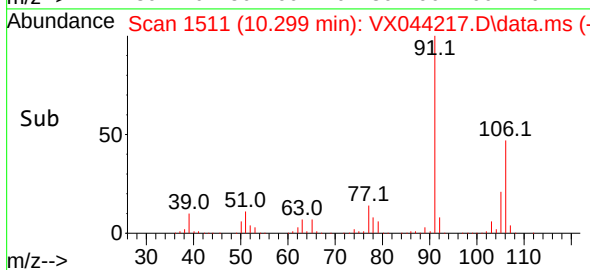
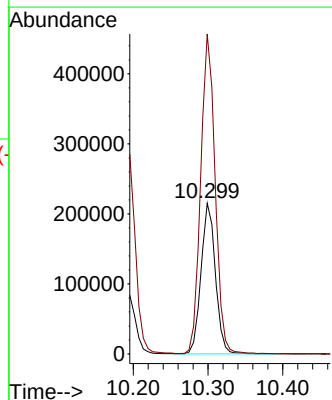
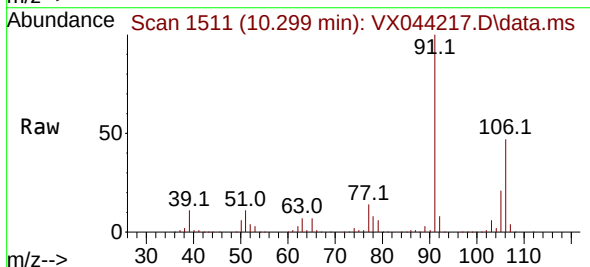
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

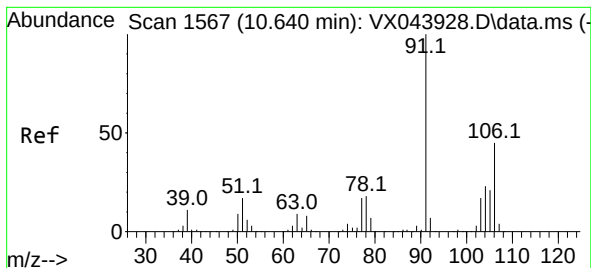
Tgt Ion: 91 Resp: 389963
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



#68
m/p-Xylenes
Concen: 98.868 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 106 Resp: 286729
Ion Ratio Lower Upper
106 100
91 213.9 168.1 252.1

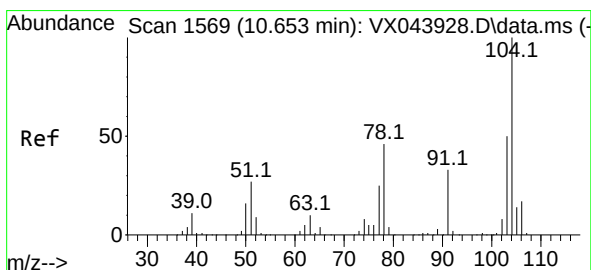
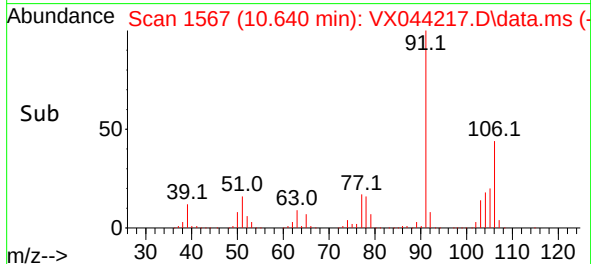
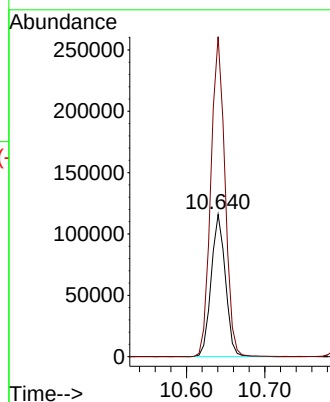
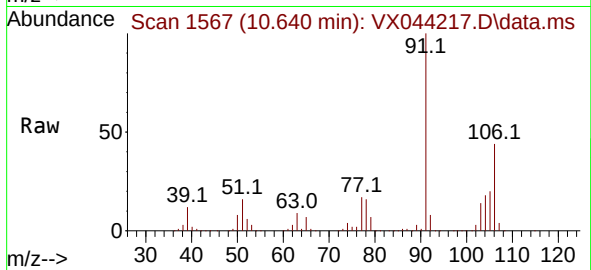




#69
o-Xylene
Concen: 51.522 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

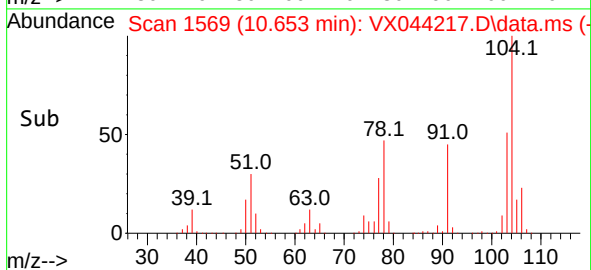
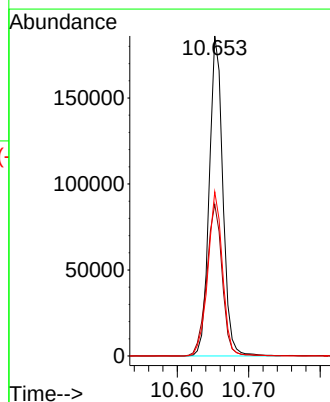
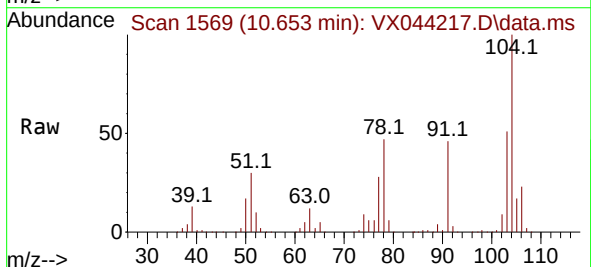
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

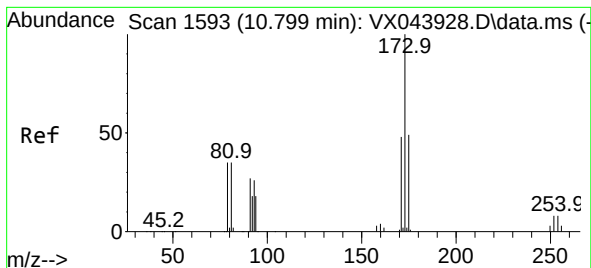
Tgt Ion:106 Resp: 145887
Ion Ratio Lower Upper
106 100
91 223.8 110.2 330.6



#70
Styrene
Concen: 52.487 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:104 Resp: 245812
Ion Ratio Lower Upper
104 100
78 54.1 42.2 63.2
103 55.4 44.7 67.1





#71

Bromoform

Concen: 47.096 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

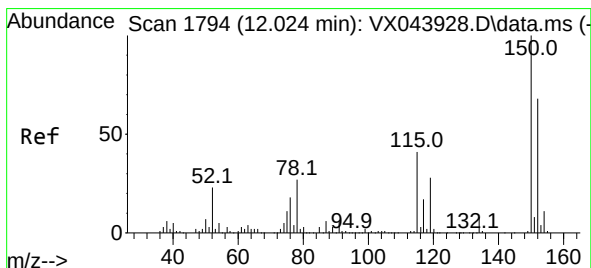
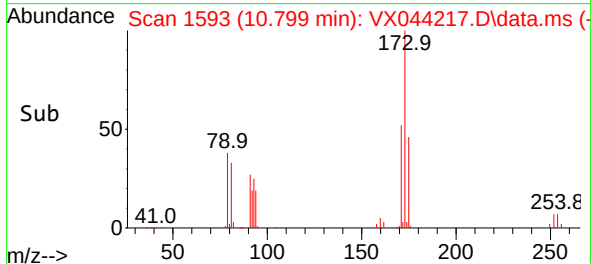
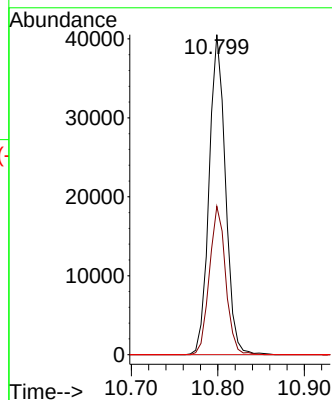
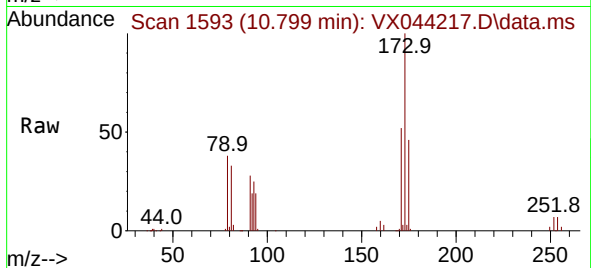
Tgt Ion:173 Resp: 53014

Ion Ratio Lower Upper

173 100

175 46.2 24.1 72.2

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. -0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

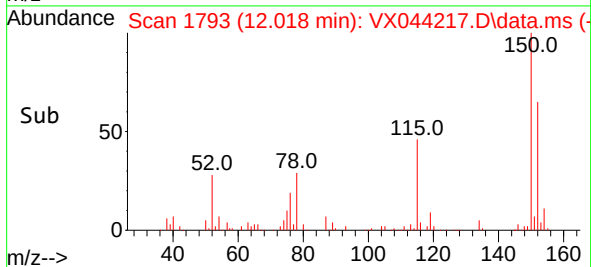
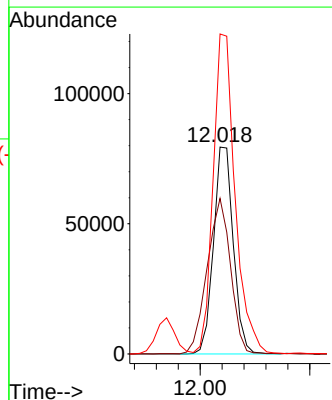
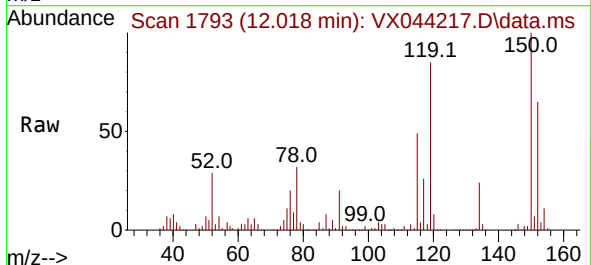
Tgt Ion:152 Resp: 99884

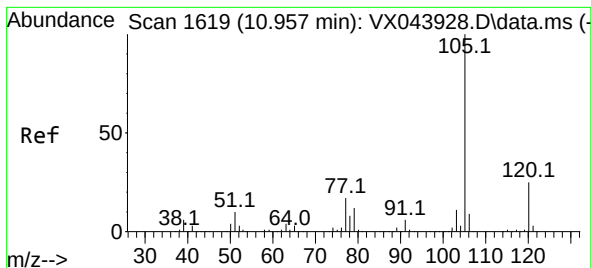
Ion Ratio Lower Upper

152 100

115 88.9 45.4 136.2

150 171.0 0.0 353.0





#73

Isopropylbenzene

Concen: 49.169 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

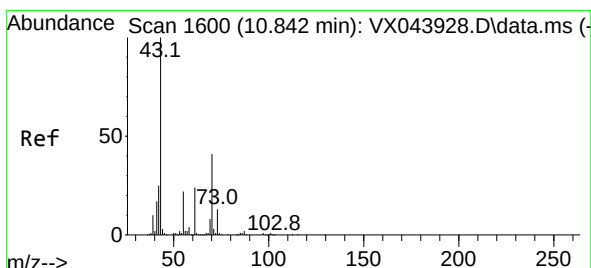
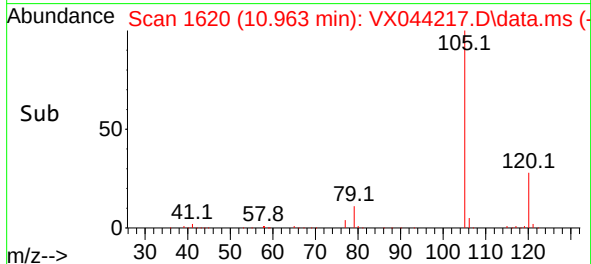
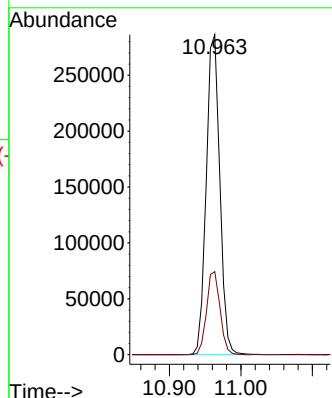
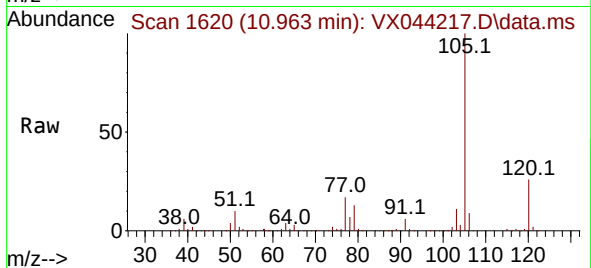
VSTDCCC050EC

Tgt Ion:105 Resp: 377517

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



#74

N-ethyl acetate

Concen: 54.137 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Tgt Ion: 43 Resp: 192555

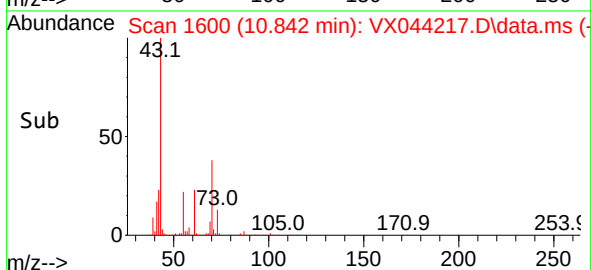
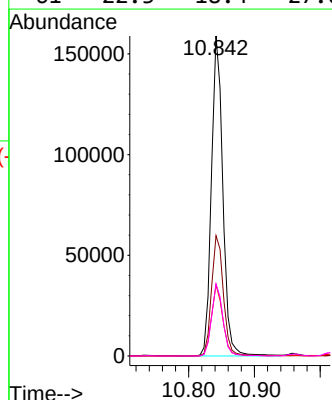
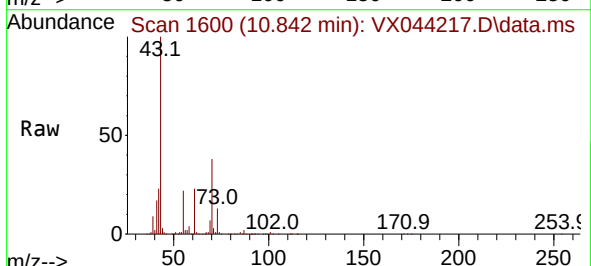
Ion Ratio Lower Upper

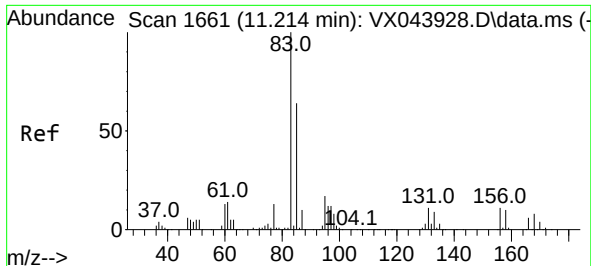
43 100

70 39.1 32.2 48.2

55 22.0 18.1 27.1

61 22.3 18.4 27.6

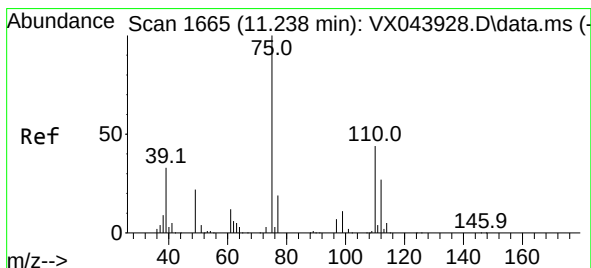
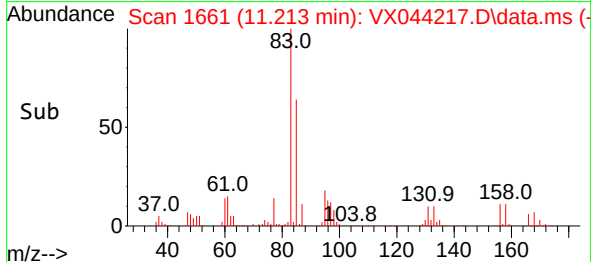
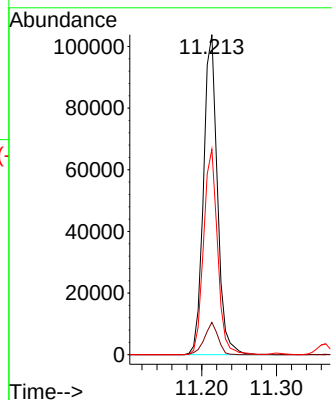
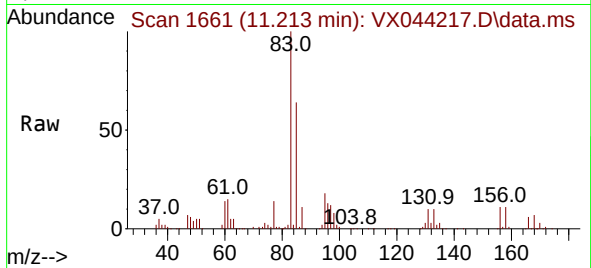




#75
1,1,2,2-Tetrachloroethane
Concen: 50.971 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

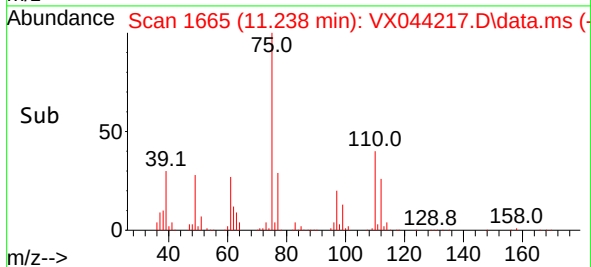
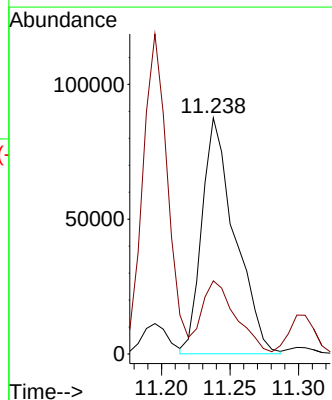
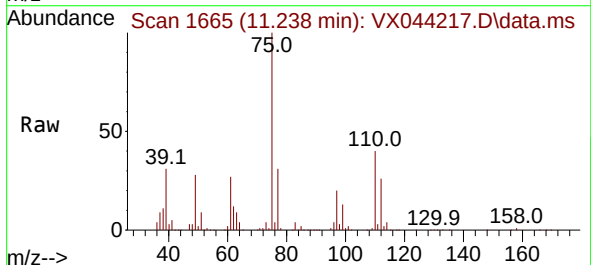
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

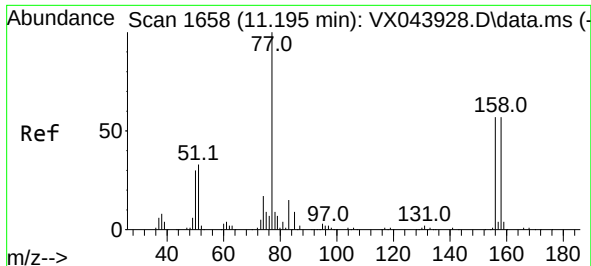
Tgt Ion: 83 Resp: 134002
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.2
85 64.7 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 66.872 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 146479
Ion Ratio Lower Upper
75 100
77 32.0 21.8 65.3

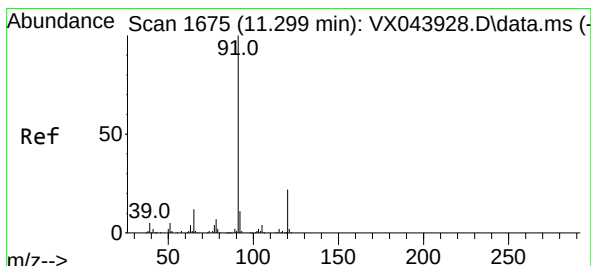
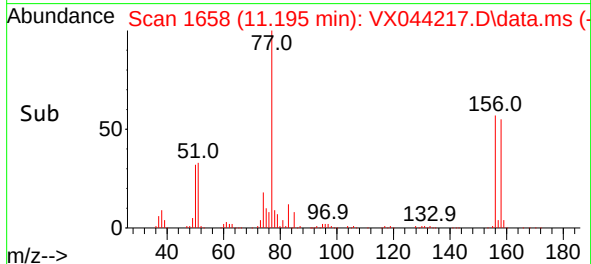
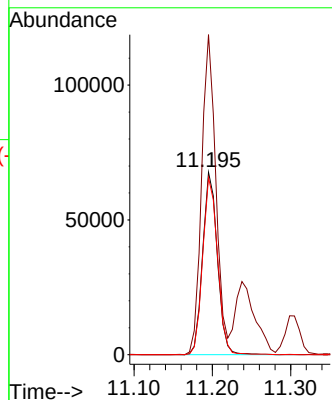
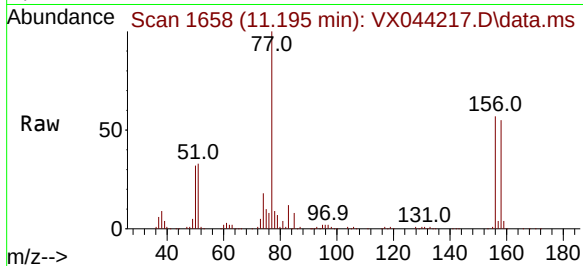




#77
Bromobenzene
Concen: 48.243 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

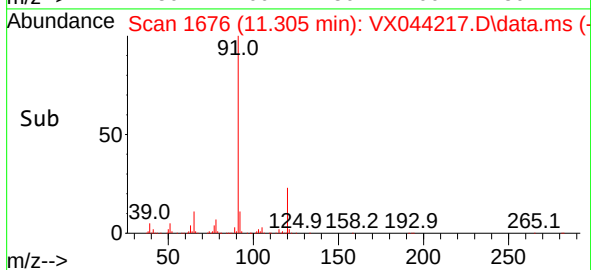
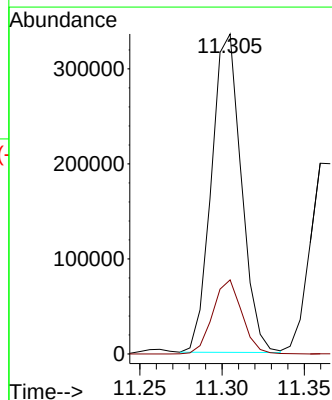
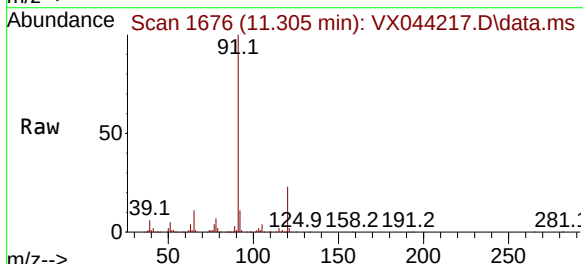
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

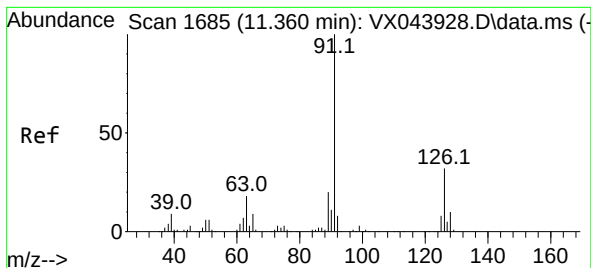
Tgt Ion:156 Resp: 88361
Ion Ratio Lower Upper
156 100
77 169.5 83.4 250.1
158 98.3 47.6 142.8



#78
n-propylbenzene
Concen: 49.451 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 91 Resp: 424053
Ion Ratio Lower Upper
91 100
120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 48.850 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

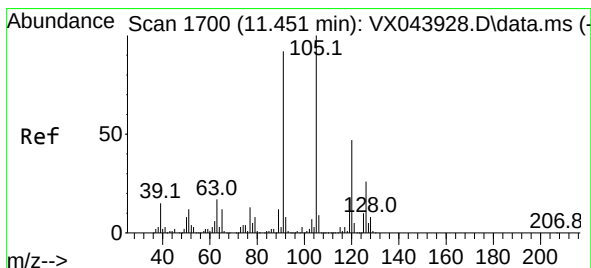
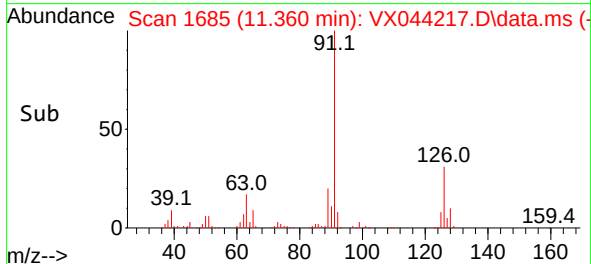
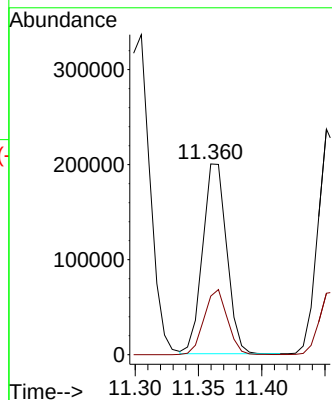
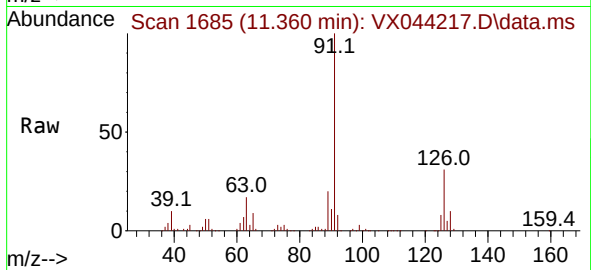
VSTDCCC050EC

Tgt Ion: 91 Resp: 264885

Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 50.452 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044217.D

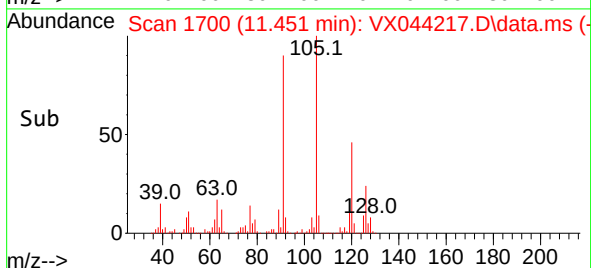
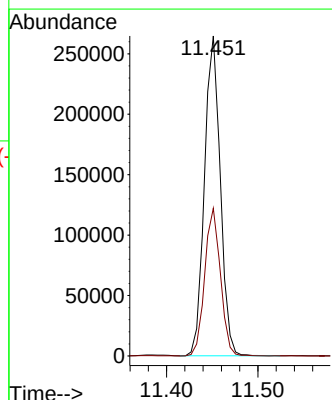
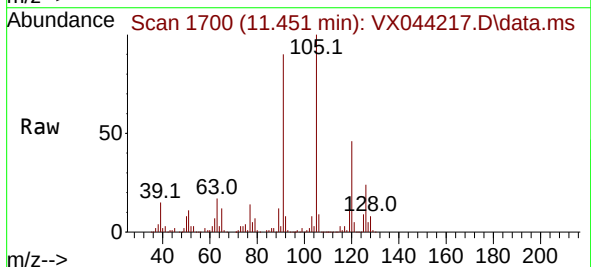
Acq: 10 Dec 2024 18:44

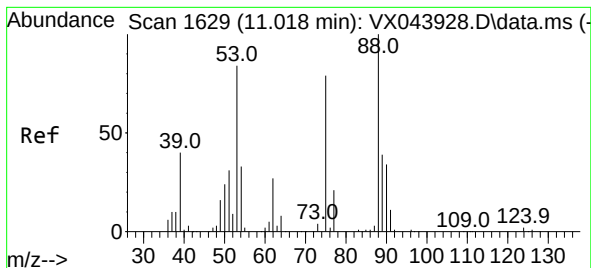
Tgt Ion: 105 Resp: 318691

Ion Ratio Lower Upper

105 100

120 45.8 23.3 69.8

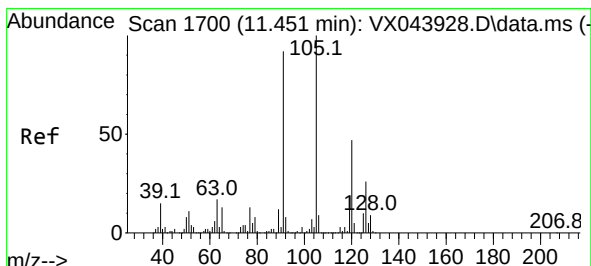
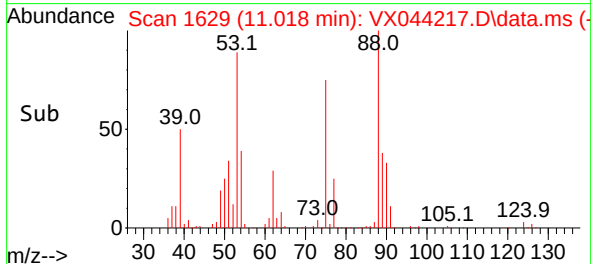
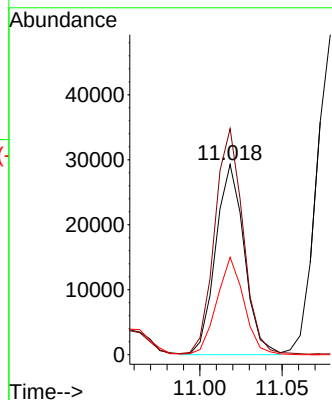
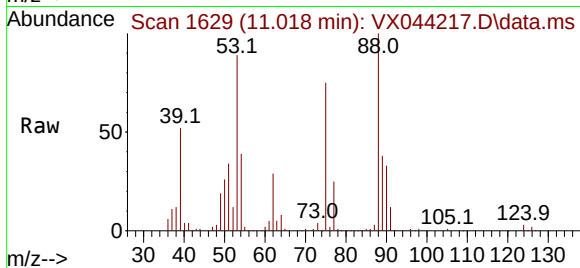




#81
trans-1,4-Dichloro-2-butene
Concen: 44.234 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

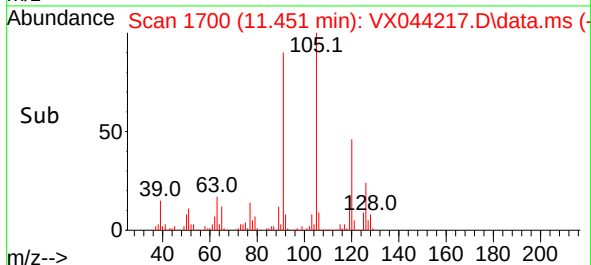
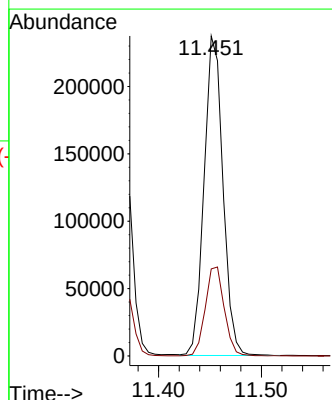
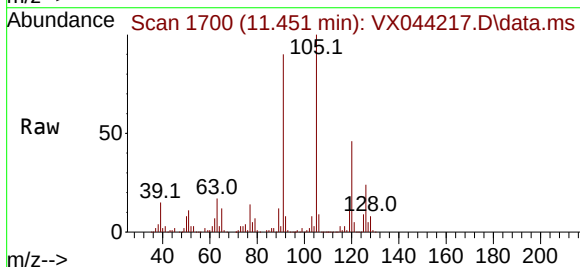
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

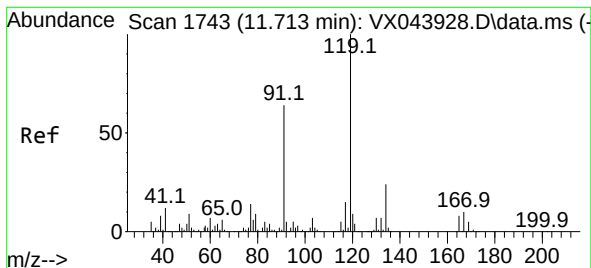
Tgt Ion: 75 Resp: 35508
Ion Ratio Lower Upper
75 100
53 117.6 86.7 130.1
89 48.6 38.2 57.2



#82
4-Chlorotoluene
Concen: 49.428 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 91 Resp: 302591
Ion Ratio Lower Upper
91 100
126 28.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 50.593 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

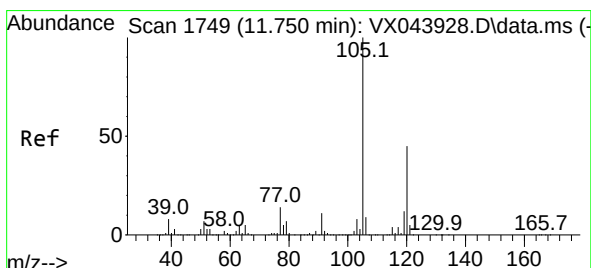
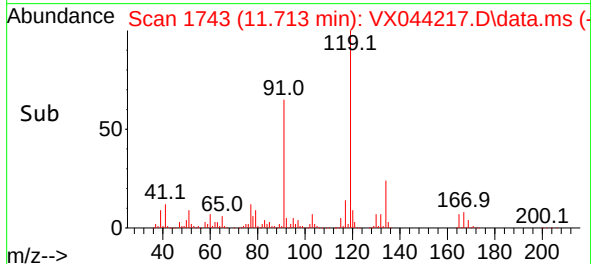
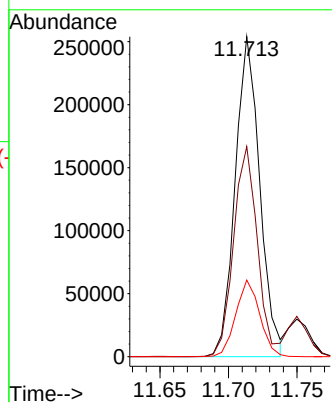
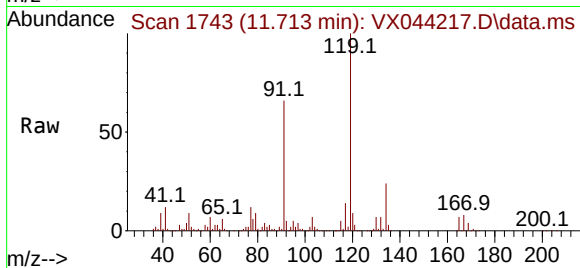
Tgt Ion:119 Resp: 316761

Ion Ratio Lower Upper

119 100

91 63.9 31.0 93.0

134 23.4 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 50.339 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044217.D

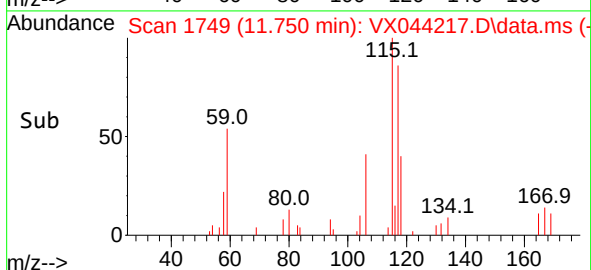
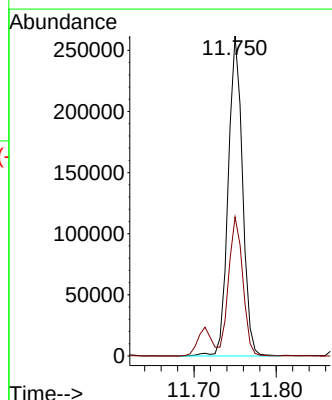
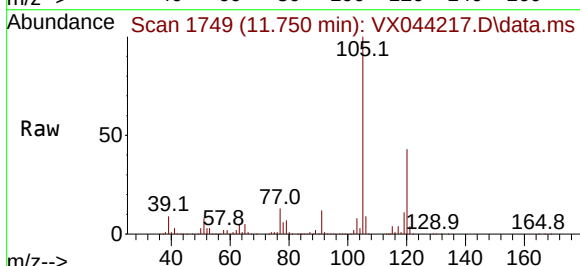
Acq: 10 Dec 2024 18:44

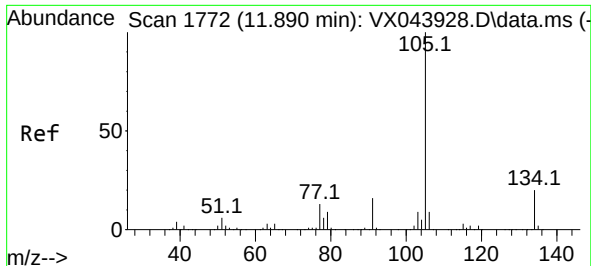
Tgt Ion:105 Resp: 316576

Ion Ratio Lower Upper

105 100

120 42.6 21.9 65.7

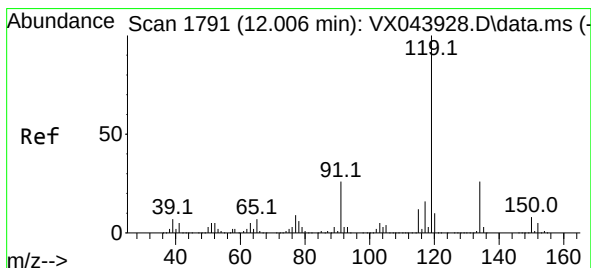
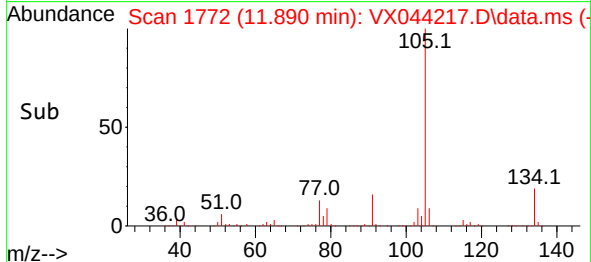
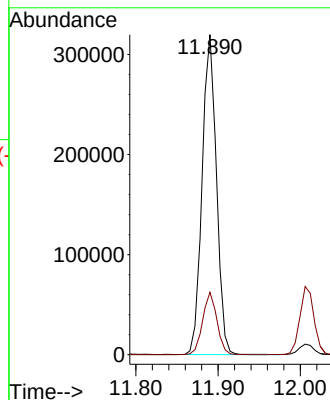
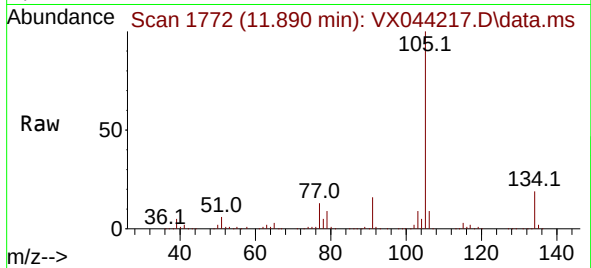




#85
sec-Butylbenzene
Concen: 50.357 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

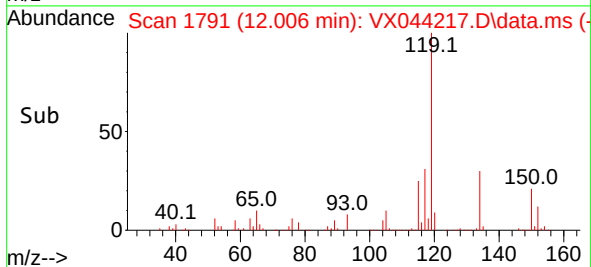
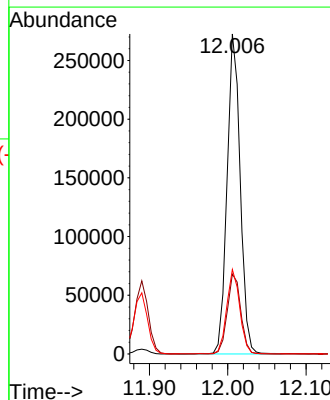
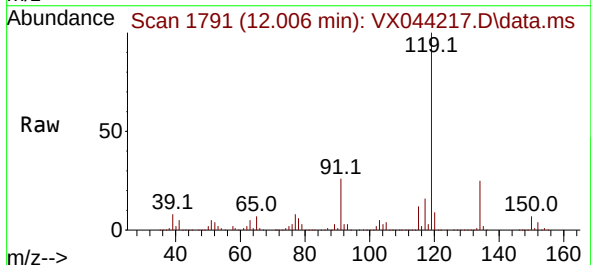
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

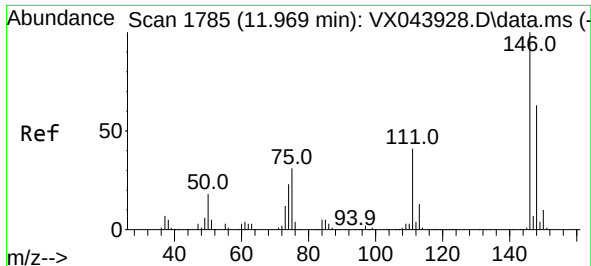
Tgt Ion:105 Resp: 386295
Ion Ratio Lower Upper
105 100
134 19.5 9.7 29.1



#86
p-Isopropyltoluene
Concen: 51.093 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:119 Resp: 318368
Ion Ratio Lower Upper
119 100
134 25.6 13.0 38.9
91 26.1 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 48.740 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

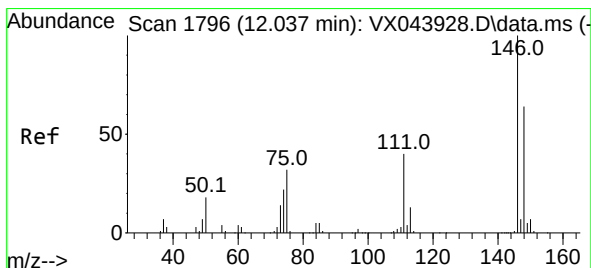
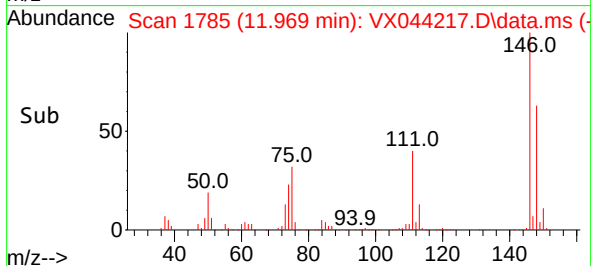
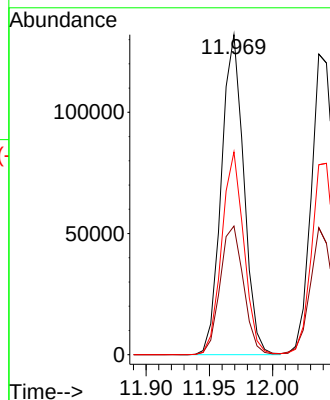
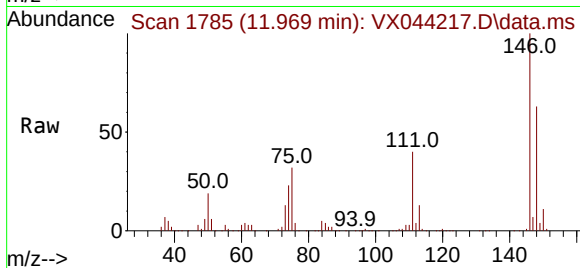
Tgt Ion:146 Resp: 162593

Ion Ratio Lower Upper

146 100

111 42.0 21.1 63.3

148 62.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 46.977 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

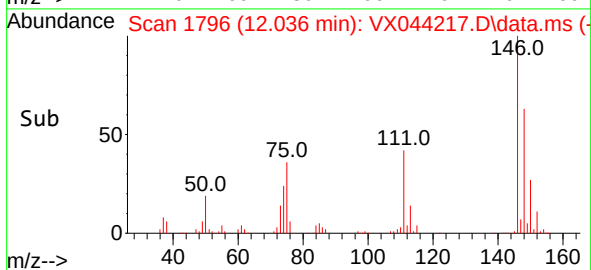
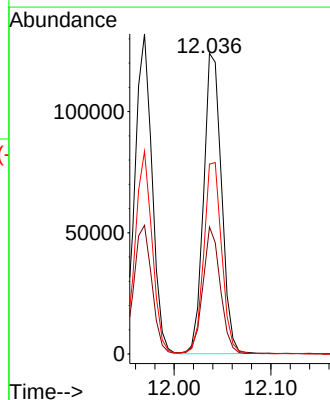
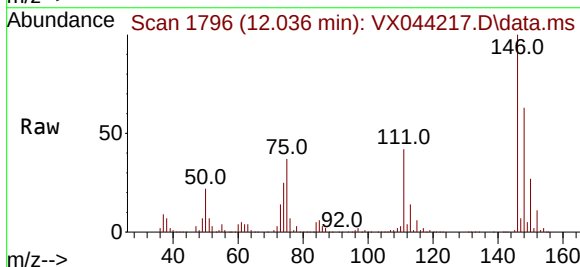
Tgt Ion:146 Resp: 159770

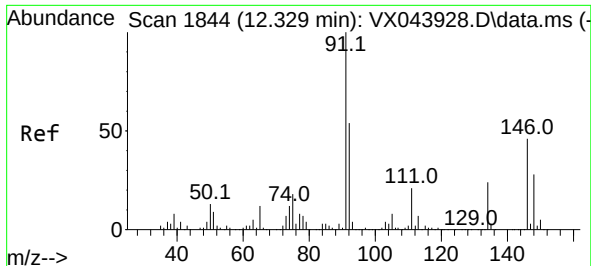
Ion Ratio Lower Upper

146 100

111 41.1 20.1 60.3

148 64.0 30.9 92.8





#89

n-Butylbenzene

Concen: 50.379 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

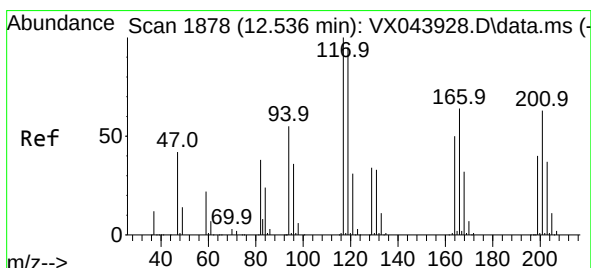
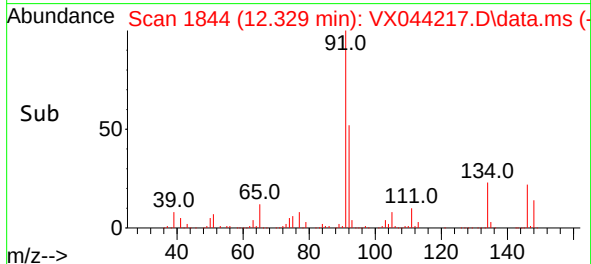
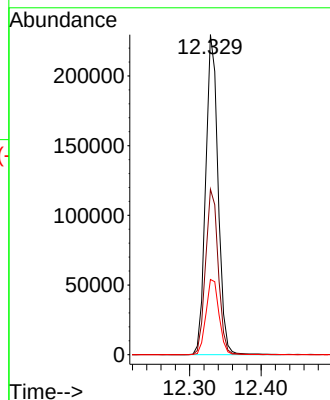
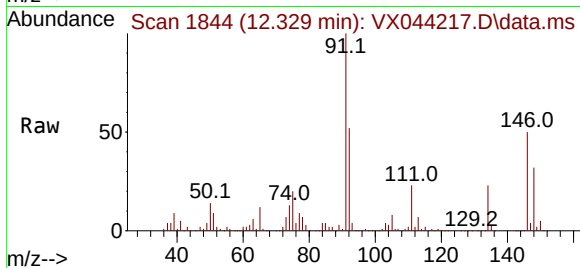
Tgt Ion: 91 Resp: 276773

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

134 24.8 12.4 37.2



#90

Hexachloroethane

Concen: 46.780 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044217.D

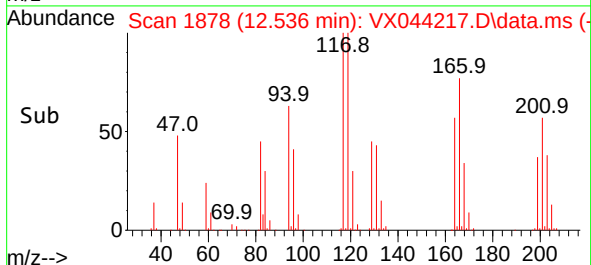
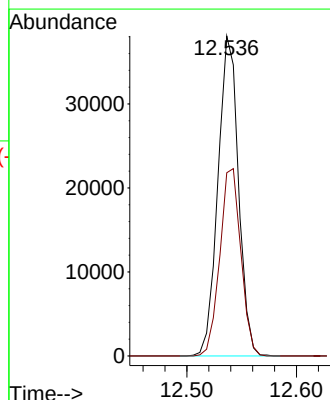
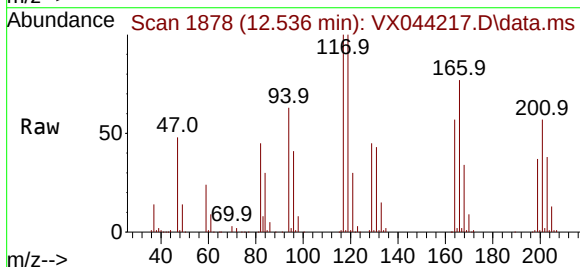
Acq: 10 Dec 2024 18:44

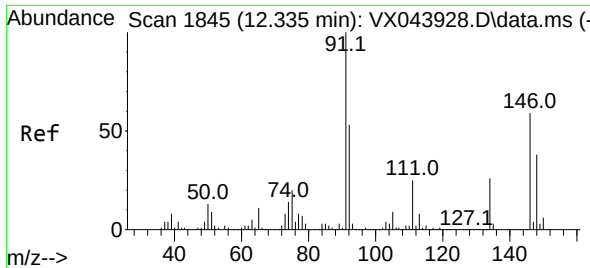
Tgt Ion: 117 Resp: 49566

Ion Ratio Lower Upper

117 100

201 60.0 32.4 97.0

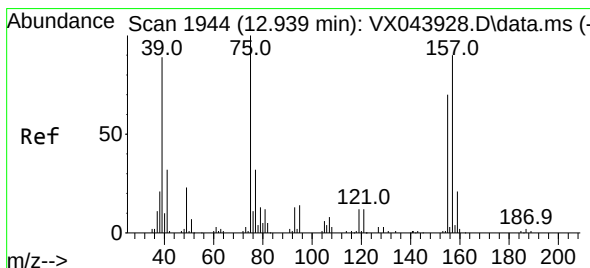
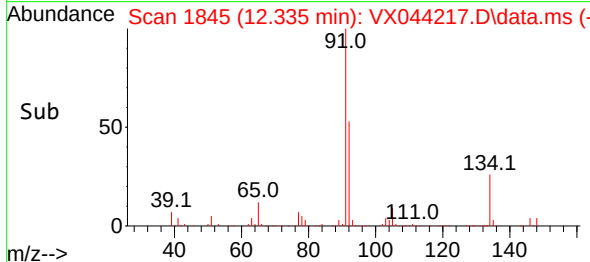
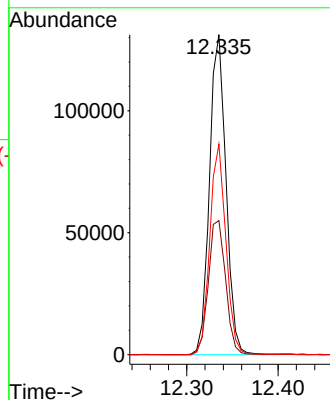
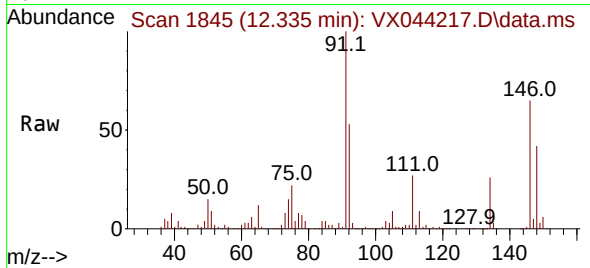




#91
1,2-Dichlorobenzene
Concen: 48.773 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

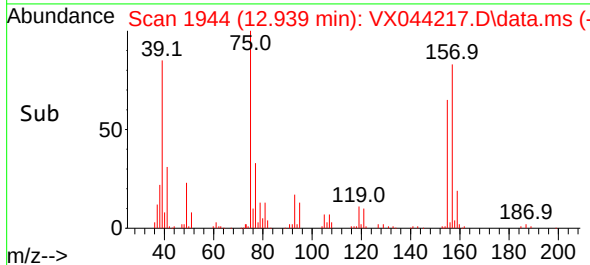
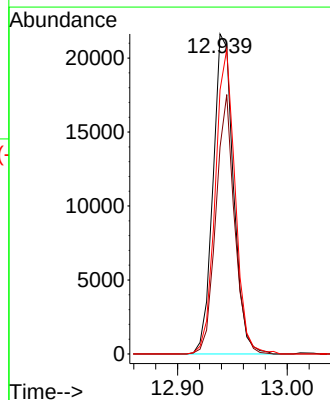
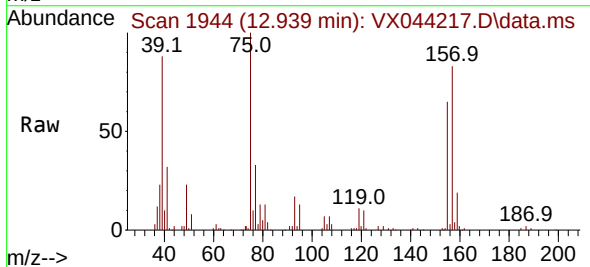
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

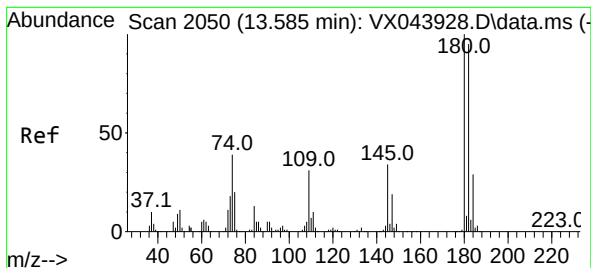
Tgt Ion:146 Resp: 164195
Ion Ratio Lower Upper
146 100
111 43.9 21.5 64.5
148 64.3 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.147 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion: 75 Resp: 27997
Ion Ratio Lower Upper
75 100
155 73.8 40.1 120.2
157 92.6 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 48.102 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

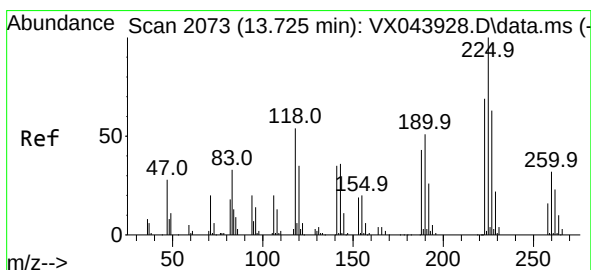
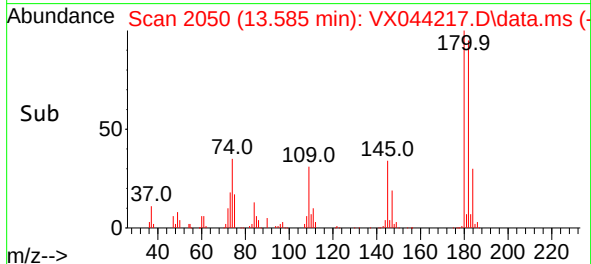
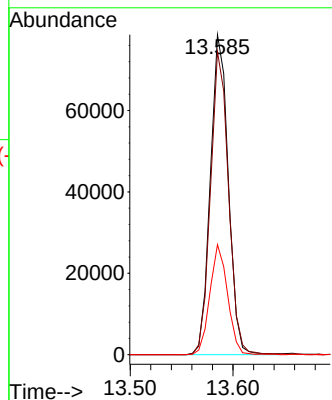
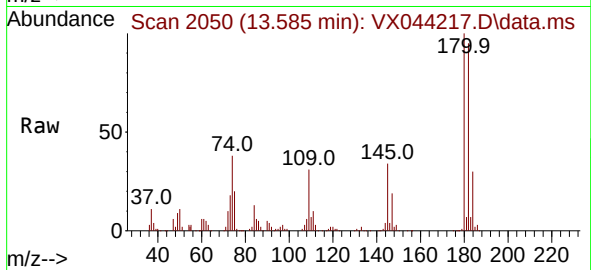
Tgt Ion:180 Resp: 95471

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.2

145 33.9 16.8 50.4



#94

Hexachlorobutadiene

Concen: 46.005 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044217.D

Acq: 10 Dec 2024 18:44

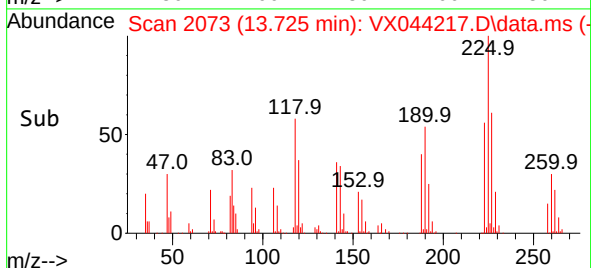
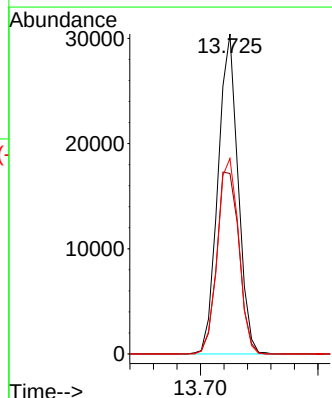
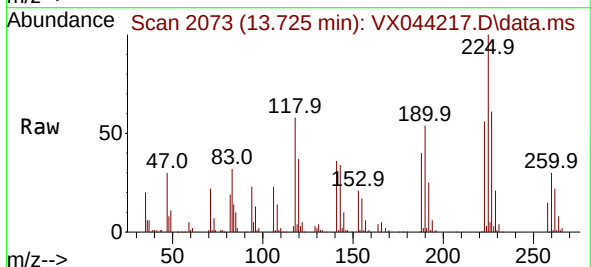
Tgt Ion:225 Resp: 36087

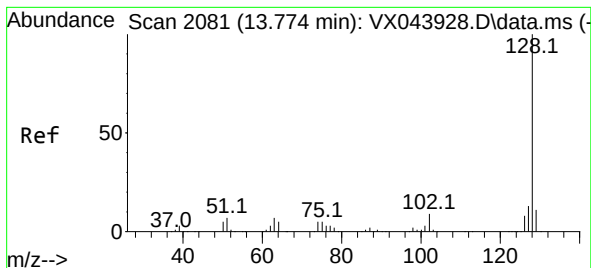
Ion Ratio Lower Upper

225 100

223 63.3 32.9 98.6

227 64.3 31.6 94.8

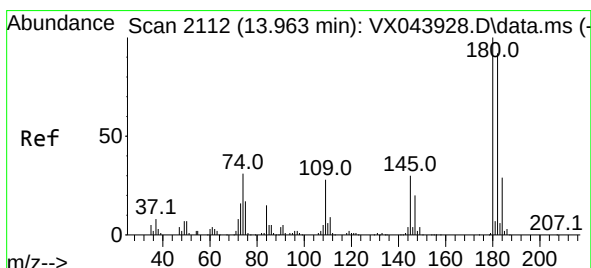
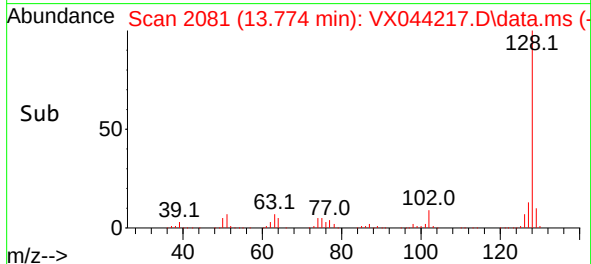
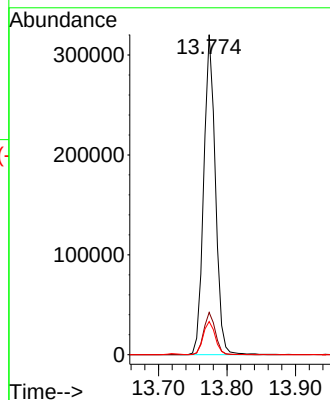
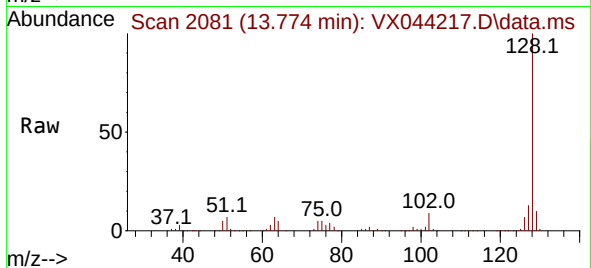




#95
Naphthalene
Concen: 53.212 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 380179
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 48.363 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044217.D
Acq: 10 Dec 2024 18:44

Tgt Ion:180 Resp: 97156
Ion Ratio Lower Upper
180 100
182 95.0 45.6 136.8
145 35.5 16.4 49.4

