

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : NJ SOIL PT

CHEMTECH CONSULTING GROUP

284 Sheffield St,

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : P4495

ATTENTION : QA Officer



Laboratory Certification ID # 20012



1) VOLATILES DATA	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	12
9) QC Data Summary For VOCMS Group1	15
9.1) Deuterated Monitoring Compound Summary	16
9.2) LCS/LCSD Summary	17
9.3) Method Blank Summary	21
9.4) GS/MS Tune Summary	22
9.5) Internal Standard Area and RT Summary	24
10) Sample Data	26
10.1) PT-VOA-SOIL	27
10.2) PT-VOA-SOILDL	55
11) Calibration Data Summary	83
11.1) Initial Calibration Data	84
11.1.1) VY103024	84
11.2) Continued Calibration Data	460
11.2.1) VY020085.D	460
12) QC Sample Data	515
12.1) Tune Raw Data	516
12.2) Method Blank Data	518
12.3) LCS Data	528
12.4) LCSD Data	584
13) Manual Integration	640
14) Analytical Runlogs	642
15) Percent Solid	648
16) Standard Prep Logs	655
17) Shipping Document	737
17.1) Chain Of Custody	738
17.2) Lab Certificate	740

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

Cover Page

Order ID : P4495

Project ID : NJ Soil PT

Client : Chemtech Consulting Group

Lab Sample Number

P4495-01
P4495-02
P4495-03
P4495-04
P4495-05
P4495-06
P4495-07
P4495-08
P4495-09
P4495-10
P4495-11
P4495-12
P4495-13
P4495-14
P4495-15
P4495-16
P4495-17
P4495-18
P4495-19
P4495-20
P4495-21
P4495-22
P4495-23
P4495-24
P4495-25

Client Sample Number

PT-AN-SOIL
PT-CORR-SOIL
PT-CN-SOIL
PT-CN-SOIL
PT-FP-SOIL
PT-CR6-SOIL
PT-NUT-SOIL
PT-NUT-SOIL
PT-OGR-SOIL
PT-MET-SOIL
PT-BNA-SOIL
PT-TRIAZINE-SOIL
PT-PAH-SOIL
PT-DIES-SOIL
PT-GAS-SOIL
PT-NJEPH-SOIL
PT-HERB-SOIL
PT-PCB-SOIL
PT-PCBO-SOIL
PT-PEST-SOIL
PT-CHLR-SOIL
PT-TXP-SOIL
PT-VOA-SOIL
PT-SOL-SOIL
PT-NO2-SOIL

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:37 am, Dec 18, 2024

Date: 12/3/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Soil PT

Project # N/A

Chemtech Project # P4495

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

25 Solid samples were received on 10/23/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator. 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 {VY1031SBSD01} with File ID: VY020088.D met criteria except for Methacrylonitrile[43%] and Tert butyl alcohol[21%] due to difference in results of BS-BSD.

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate for {VY1031SBSD01} with File ID: VY020088.D met requirements for all samples except for Diethyl Ether[120%], Methacrylonitrile[127%] and Tetrahydrofuran[120%] failing high but no positive hit in associated samples therefore no corrective action taken.

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

The Initial Calibration met the requirements .



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Phone: 908 789 8900 Fax: 908 789 8922

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Sample PT-VOA-SOIL was diluted due to high concentration.

E. Additional Comments:

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 un Logs for information on the manual integrations performed.

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

Signature _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:40 am, Dec 18, 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: P4495

MATRIX: Solid

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 Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate for {VY1031SBSD01} with File ID: VY020088.D met requirements for all samples except for Diethyl Ether[120%], Methacrylonitrile[127%] and Tetrahydrofuran[120%]failing high but no positive hit in associated samples therefore no corrective action taken. The RPD for {VY1031SBSD01} with File ID: VY020088.D met criteria except for Methacrylonitrile[43%] and Tert butyl alcohol[21%]due to difference in results of BS- BSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

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

		NA	NO	YES
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Sample PT-VOA-SOIL was diluted due to high concentration.

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

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:27 am, Dec 18, 2024

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4495

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: 12/03/2024

LAB CHRONICLE

OrderID:	P4495	OrderDate:	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	Project:	NJ Soil PT
Contact:	QA Officer	Location:	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-23	PT-VOA-SOIL	SOIL	VOCMS Group1	8260D	10/21/24		10/31/24	10/23/24
P4495-23DL	PT-VOA-SOILDL	SOIL	VOCMS Group1	8260D	10/21/24		10/31/24	10/23/24

Hit Summary Sheet
SW-846

SDG No.: P4495
Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	PT-VOA-SOIL							
P4495-23	PT-VOA-SOIL	SOIL	1,1-Dichloroethene	130		0.78	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Acetone	300		6.20	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Methyl tert-butyl Ether	140		0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	trans-1,2-Dichloroethene	29.3		0.84	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	2-Butanone	170		5.70	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Total 1,2-Dichloroethene	29.3		1.45	10.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Chloroform	190	E	0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,1-Trichloroethane	120		0.78	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Benzene	130		0.72	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dichloroethane	150	E	0.61	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Trichloroethene	73.0		0.75	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dichloropropane	38.7		0.66	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Dibromomethane	31.9		0.62	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Bromodichloromethane	49.4		0.56	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	4-Methyl-2-Pentanone	460		4.40	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Toluene	72.9		0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	t-1,3-Dichloropropene	46.2		0.60	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	cis-1,3-Dichloropropene	140		0.57	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,2-Trichloroethane	59.3		0.84	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	2-Hexanone	420		4.80	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dibromoethane	78.8		0.79	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,1,2-Tetrachloroethane	190	E	0.64	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Ethyl Benzene	150	E	0.62	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Total Xylenes	230		2.10	15.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	m/p-Xylenes	110		1.40	10.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	o-Xylene	120		0.70	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Styrene	200	E	0.60	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Bromoform	100		0.81	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,2,2-Tetrachloroethane	81.8		1.10	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	tert-Butylbenzene	68.8		0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2,4-Trimethylbenzene	150	E	1.40	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,4-Dichlorobenzene	140		0.80	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dibromo-3-Chloropropane	110		1.60	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Naphthalene	66.5		1.50	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2,3-Trichlorobenzene	120		0.78	5.00	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				4440				
Total Concentration:				4440				
Client ID:	PT-VOA-SOILDL							
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1-Dichloroethene	120	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Acetone	300	D	12.5	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Methyl tert-butyl Ether	140	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	trans-1,2-Dichloroethene	26.7	D	1.70	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	2-Butanone	180	D	11.4	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Total 1,2-Dichloroethene	26.7	D	2.90	20.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Chloroform	190	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,1-Trichloroethane	110	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Benzene	120	D	1.40	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dichloroethane	150	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Trichloroethene	66.5	D	1.50	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dichloropropane	36.0	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Dibromomethane	31.0	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Bromodichloromethane	46.1	D	1.10	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	4-Methyl-2-Pentanone	460	D	8.70	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Toluene	67.6	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	t-1,3-Dichloropropene	43.4	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	cis-1,3-Dichloropropene	130	D	1.10	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,2-Trichloroethane	58.7	D	1.70	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	2-Hexanone	420	D	9.60	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dibromoethane	76.8	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,1,2-Tetrachloroethane	170	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Ethyl Benzene	130	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Total Xylenes	210	D	4.10	30.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	m/p-Xylenes	100	D	2.70	20.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	o-Xylene	110	D	1.40	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Styrene	180	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Bromoform	92.0	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,2,2-Tetrachloroethane	78.9	D	2.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	tert-Butylbenzene	60.6	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2,4-Trimethylbenzene	140	D	2.70	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,4-Dichlorobenzene	130	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dibromo-3-Chloropropane	110	D	3.10	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Naphthalene	60.4	D	3.00	10.0	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2,3-Trichlorobenzene	110	D	1.60	10.0	ug/Kg
			Total Voc :	4240				
			Total Concentration:	4240				



QC SUMMARY

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Surrogate Summary

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4495-23	PT-VOA-SOIL	1,2-Dichloroethane-d4	50	49.8	100	50	163
		Dibromofluoromethane	50	50.5	101	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	51.3	103	29	146
P4495-23DL	PT-VOA-SOILDL	1,2-Dichloroethane-d4	50	50.3	101	50	163
		Dibromofluoromethane	50	48.2	96	54	147
		Toluene-d8	50	48.7	97	58	134
		4-Bromofluorobenzene	50	48.8	98	29	146
VY1031SBL01	VY1031SBL01	1,2-Dichloroethane-d4	50	49.2	98	50	163
		Dibromofluoromethane	50	47.9	96	54	147
		Toluene-d8	50	46.6	93	58	134
		4-Bromofluorobenzene	50	43.4	87	29	146
VY1031SBS01	VY1031SBS01	1,2-Dichloroethane-d4	50	53.0	106	50	163
		Dibromofluoromethane	50	51.8	104	54	147
		Toluene-d8	50	52.6	105	58	134
		4-Bromofluorobenzene	50	52.2	104	29	146
VY1031SBSD01	VY1031SBSD01	1,2-Dichloroethane-d4	50	50.9	102	50	163
		Dibromofluoromethane	50	49.9	100	54	147
		Toluene-d8	50	48.4	97	58	134
		4-Bromofluorobenzene	50	48.0	96	29	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D

Datafile : VY020087.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1031SBS01	Dichlorodifluoromethane	20	21.2	ug/Kg	106			64	136	
	Chloromethane	20	22.5	ug/Kg	113			70	130	
	Vinyl chloride	20	21.3	ug/Kg	106			72	129	
	Ethyl Acetate	20	19.9	ug/Kg	100			77	113	
	Isopropylacetate	20	18.9	ug/Kg	95			84	110	
	Bromomethane	20	21.8	ug/Kg	109			58	141	
	Chloroethane	20	21.0	ug/Kg	105			69	130	
	Tetrahydrofuran	100	100	ug/Kg	100			78	107	
	Trichlorofluoromethane	20	20.7	ug/Kg	104			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			81	123	
	Tert butyl alcohol	100	97.2	ug/Kg	97			24	175	
	Diethyl Ether	20	20.9	ug/Kg	104			87	115	
	1,1-Dichloroethene	20	21.4	ug/Kg	107			79	121	
	Acrolein	100	110	ug/Kg	110			54	141	
	Acrylonitrile	100	100	ug/Kg	100			68	136	
	Acetone	100	87.4	ug/Kg	87			60	131	
	Carbon disulfide	20	21.7	ug/Kg	109			45	154	
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104			77	129	
	Methyl Acetate	20	20.7	ug/Kg	104			69	149	
	Methylene Chloride	20	19.5	ug/Kg	98			56	174	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	Vinyl Acetate	100	100	ug/Kg	100			86	117	
	1,1-Dichloroethane	20	21.8	ug/Kg	109			82	123	
	Cyclohexane	20	20.5	ug/Kg	103			76	122	
	2-Butanone	100	94.6	ug/Kg	95			69	131	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			76	129	
	2,2-Dichloropropane	20	20.2	ug/Kg	101			62	143	
	cis-1,2-Dichloroethene	20	21.8	ug/Kg	109			82	123	
	Bromochloromethane	20	19.0	ug/Kg	95			80	127	
	Chloroform	20	21.4	ug/Kg	107			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	19.6	ug/Kg	98			77	123	
	1,1-Dichloropropene	20	20.6	ug/Kg	103			84	119	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	21.3	ug/Kg	106			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	21.2	ug/Kg	106			83	122	
	Dibromomethane	20	19.9	ug/Kg	100			83	119	
	Bromodichloromethane	20	21.3	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	95.2	ug/Kg	95			70	135	
	Methyl methacrylate	20	19.9	ug/Kg	100			77	121	
	Toluene	20	21.0	ug/Kg	105			83	122	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			82	125	
	1,3-Dichloropropane	20	20.5	ug/Kg	103			80	125	
	2-Chloroethyl vinyl ether	100	96.2	ug/Kg	96			36	195	
	2-Hexanone	100	90.7	ug/Kg	91			66	138	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D

Datafile : VY020087.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1031SBS01	Dibromochloromethane	20	20.3	ug/Kg	102			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.5	ug/Kg	103			83	125	
	Chlorobenzene	20	21.2	ug/Kg	106			84	122	
	1,1,1,2-Tetrachloroethane	20	20.7	ug/Kg	104			84	123	
	Hexachloroethane	20	20.4	ug/Kg	102			76	121	
	Ethyl Benzene	20	21.2	ug/Kg	106			82	124	
	m/p-Xylenes	40	42.8	ug/Kg	107			83	124	
	o-Xylene	20	21.3	ug/Kg	106			83	123	
	Styrene	20	21.4	ug/Kg	107			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	21.3	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			77	127	
	1,2,3-Trichloropropane	20	21.6	ug/Kg	108			58	144	
	Bromobenzene	20	21.4	ug/Kg	107			83	120	
	N-propylbenzene	20	21.5	ug/Kg	108			81	123	
	2-Chlorotoluene	20	21.3	ug/Kg	106			84	118	
	1,3,5-Trimethylbenzene	20	21.7	ug/Kg	109			82	124	
	4-Chlorotoluene	20	21.8	ug/Kg	109			82	122	
	tert-Butylbenzene	20	21.7	ug/Kg	109			81	125	
	1,2,4-Trimethylbenzene	20	21.3	ug/Kg	106			81	125	
	Sec-butylbenzene	20	21.1	ug/Kg	106			80	124	
	p-Isopropyltoluene	20	21.1	ug/Kg	106			81	125	
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.8	ug/Kg	104			84	121	
	n-Butylbenzene	20	20.8	ug/Kg	104			78	126	
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104			83	124	
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	Hexachlorobutadiene	20	19.1	ug/Kg	96			80	123	
	Naphthalene	20	17.6	ug/Kg	88			70	134	
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91			70	137	
	N-amyl acetate	20	19.2	ug/Kg	96			85	115	
	Methyl iodide	20	22.5	ug/Kg	113			57	135	
	Allyl chloride	20	21.8	ug/Kg	109			89	113	
	Methacrylonitrile	20	16.4	ug/Kg	82			75	120	
	trans-1,4-Dichloro-2-butene	20	18.2	ug/Kg	91			74	115	
	Ethyl methacrylate	20	19.9	ug/Kg	100			86	114	
	Diisopropyl ether	20	21.7	ug/Kg	109			88	125	
	1,4-Dioxane	400	370	ug/Kg	93			61	144	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D

Datafile : VY020088.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1031SBSD01	Dichlorodifluoromethane	20	21.8	ug/Kg	109	3		64	136	20
	Chloromethane	20	21.8	ug/Kg	109	4		70	130	20
	Vinyl chloride	20	20.7	ug/Kg	104	2		72	129	20
	Ethyl Acetate	20	21.5	ug/Kg	108	8		77	113	20
	Isopropylacetate	20	21.1	ug/Kg	106	11		84	110	20
	Bromomethane	20	22.3	ug/Kg	112	3		58	141	20
	Chloroethane	20	21.5	ug/Kg	108	3		69	130	20
	Tetrahydrofuran	100	120	ug/Kg	120	18	*	78	107	20
	Trichlorofluoromethane	20	19.9	ug/Kg	100	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103	2		81	123	20
	Tert butyl alcohol	100	120	ug/Kg	120	21	*	24	175	20
	Diethyl Ether	20	24.0	ug/Kg	120	14	*	87	115	20
	1,1-Dichloroethene	20	21.3	ug/Kg	106	1		79	121	20
	Acrolein	100	110	ug/Kg	110	0		54	141	20
	Acrylonitrile	100	120	ug/Kg	120	18		68	136	20
	Acetone	100	100	ug/Kg	100	14		60	131	20
	Carbon disulfide	20	21.1	ug/Kg	106	3		45	154	20
	Methyl tert-butyl Ether	20	22.5	ug/Kg	113	8		77	129	20
	Methyl Acetate	20	22.7	ug/Kg	114	9		69	149	20
	Methylene Chloride	20	20.4	ug/Kg	102	4		56	174	20
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	0		80	123	20
	Vinyl Acetate	100	110	ug/Kg	110	10		86	117	20
	1,1-Dichloroethane	20	21.6	ug/Kg	108	1		82	123	20
	Cyclohexane	20	20.0	ug/Kg	100	3		76	122	20
	2-Butanone	100	110	ug/Kg	110	15		69	131	20
	Carbon Tetrachloride	20	19.7	ug/Kg	99	3		76	129	20
	2,2-Dichloropropane	20	20.4	ug/Kg	102	1		62	143	20
	cis-1,2-Dichloroethene	20	21.8	ug/Kg	109	0		82	123	20
	Bromochloromethane	20	21.3	ug/Kg	106	11		80	127	20
	Chloroform	20	21.5	ug/Kg	108	1		82	125	20
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106	1		80	126	20
	Methylcyclohexane	20	19.5	ug/Kg	98	0		77	123	20
	1,1-Dichloropropene	20	20.3	ug/Kg	102	1		84	119	20
	Benzene	20	20.9	ug/Kg	104	1		84	121	20
	1,2-Dichloroethane	20	21.6	ug/Kg	108	2		81	126	20
	Trichloroethene	20	20.5	ug/Kg	103	1		83	122	20
	1,2-Dichloropropane	20	21.1	ug/Kg	106	0		83	122	20
	Dibromomethane	20	21.0	ug/Kg	105	5		83	119	20
	Bromodichloromethane	20	21.1	ug/Kg	106	0		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	15		70	135	20
	Methyl methacrylate	20	21.8	ug/Kg	109	9		77	121	20
	Toluene	20	21.1	ug/Kg	106	1		83	122	20
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	5		78	124	20
	cis-1,3-Dichloropropene	20	21.2	ug/Kg	106	2		81	122	20
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108	3		82	125	20
	1,3-Dichloropropane	20	21.4	ug/Kg	107	4		80	125	20
	2-Chloroethyl vinyl ether	100	100	ug/Kg	100	4		36	195	20
	2-Hexanone	100	100	ug/Kg	100	9		66	138	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D

Datafile : VY020088.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1031SBSD01	Dibromochloromethane	20	20.8	ug/Kg	104	2		79	125	20
	1,2-Dibromoethane	20	21.2	ug/Kg	106	4		80	125	20
	Tetrachloroethene	20	20.3	ug/Kg	102	1		83	125	20
	Chlorobenzene	20	20.7	ug/Kg	104	2		84	122	20
	1,1,1,2-Tetrachloroethane	20	20.6	ug/Kg	103	1		84	123	20
	Hexachloroethane	20	20.2	ug/Kg	101	1		76	121	20
	Ethyl Benzene	20	20.6	ug/Kg	103	3		82	124	20
	m/p-Xylenes	40	41.2	ug/Kg	103	4		83	124	20
	o-Xylene	20	20.5	ug/Kg	103	3		83	123	20
	Styrene	20	20.9	ug/Kg	104	3		82	124	20
	Bromoform	20	20.7	ug/Kg	104	6		75	127	20
	Isopropylbenzene	20	21.0	ug/Kg	105	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	5		77	127	20
	1,2,3-Trichloropropane	20	22.0	ug/Kg	110	2		58	144	20
	Bromobenzene	20	21.3	ug/Kg	106	1		83	120	20
	N-propylbenzene	20	21.1	ug/Kg	106	2		81	123	20
	2-Chlorotoluene	20	21.3	ug/Kg	106	0		84	118	20
	1,3,5-Trimethylbenzene	20	21.2	ug/Kg	106	3		82	124	20
	4-Chlorotoluene	20	21.4	ug/Kg	107	2		82	122	20
	tert-Butylbenzene	20	21.5	ug/Kg	108	1		81	125	20
	1,2,4-Trimethylbenzene	20	21.4	ug/Kg	107	1		81	125	20
	Sec-butylbenzene	20	20.9	ug/Kg	104	2		80	124	20
	p-Isopropyltoluene	20	20.7	ug/Kg	104	2		81	125	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	0		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	0		84	121	20
	n-Butylbenzene	20	20.4	ug/Kg	102	2		78	126	20
	1,2-Dichlorobenzene	20	21.4	ug/Kg	107	3		83	124	20
	1,2-Dibromo-3-Chloropropane	20	20.6	ug/Kg	103	9		66	134	20
	1,2,4-Trichlorobenzene	20	19.7	ug/Kg	99	2		78	127	20
	Hexachlorobutadiene	20	19.4	ug/Kg	97	1		80	123	20
	Naphthalene	20	19.7	ug/Kg	99	12		70	134	20
	1,2,3-Trichlorobenzene	20	19.1	ug/Kg	96	5		70	137	20
	N-amyl acetate	20	21.0	ug/Kg	105	9		85	115	20
	Methyl iodide	20	23.0	ug/Kg	115	2		57	135	20
	Allyl chloride	20	21.9	ug/Kg	110	1		89	113	20
	Methacrylonitrile	20	25.4	ug/Kg	127	43	*	75	120	20
	trans-1,4-Dichloro-2-butene	20	20.3	ug/Kg	102	11		74	115	20
	Ethyl methacrylate	20	20.6	ug/Kg	103	3		86	114	20
	Diisopropyl ether	20	21.9	ug/Kg	110	1		88	125	20
	1,4-Dioxane	400	450	ug/Kg	113	19		61	144	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1031SBL01

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab File ID: VY020086.D

Lab Sample ID: VY1031SBL01

Date Analyzed: 10/31/2024

Time Analyzed: 11:55

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1031SBS01	VY1031SBS01	VY020087.D	10/31/2024
VY1031SBSD01	VY1031SBSD01	VY020088.D	10/31/2024
PT-VOA-SOIL	P4495-23	VY020089.D	10/31/2024
PT-VOA-SOILDL	P4495-23DL	VY020091.D	10/31/2024

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495
Lab File ID: VY020074.D BFB Injection Date: 10/30/2024
Instrument ID: MSVOA_Y BFB Injection Time: 12:07
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
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	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 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
VSTDIC005	VSTDIC005	VY020075.D	10/30/2024	12:39
VSTDIC010	VSTDIC010	VY020076.D	10/30/2024	13:02
VSTDIC020	VSTDIC020	VY020077.D	10/30/2024	13:24
VSTDIC050	VSTDIC050	VY020078.D	10/30/2024	14:06
VSTDIC100	VSTDIC100	VY020079.D	10/30/2024	14:29
VSTDIC150	VSTDIC150	VY020080.D	10/30/2024	14:52

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495
 Lab File ID: VY020083.D BFB Injection Date: 10/31/2024
 Instrument ID: MSVOA_Y BFB Injection Time: 08:43
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.3 (7.5) 1
176	95.0 - 101.0% of mass 174	68.5 (97) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020085.D	10/31/2024	11:11
VY1031SBL01	VY1031SBL01	VY020086.D	10/31/2024	11:55
VY1031SBS01	VY1031SBS01	VY020087.D	10/31/2024	12:21
VY1031SBSD01	VY1031SBSD01	VY020088.D	10/31/2024	12:43
PT-VOA-SOIL	P4495-23	VY020089.D	10/31/2024	13:05
PT-VOA-SOILDL	P4495-23DL	VY020091.D	10/31/2024	13:51

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495
Lab File ID: VY020085.D Date Analyzed: 10/31/2024
Instrument ID: MSVOA_Y Time Analyzed: 11:11
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	271638	7.71	493866	8.62	426183	11.41
UPPER LIMIT	543276	8.213	987732	9.116	852366	11.914
LOWER LIMIT	135819	7.213	246933	8.116	213092	10.914
EPA SAMPLE NO.						
PT-VOA-SOIL	251162	7.71	444591	8.62	375160	11.41
PT-VOA-SOILDL	252068	7.71	460288	8.62	397276	11.41
VY1031SBL01	266060	7.71	487691	8.62	402156	11.41
VY1031SBS01	266532	7.71	483245	8.62	414401	11.41
VY1031SBSD01	259889	7.71	476917	8.62	414477	11.41

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: CHEM02
Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495
Lab File ID: VY020085.D Date Analyzed: 10/31/2024
Instrument ID: MSVOA_Y Time Analyzed: 11:11
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	197269	13.347				
UPPER LIMIT	394538	13.847				
LOWER LIMIT	98634.5	12.847				
EPA SAMPLE NO.						
PT-VOA-SOIL	173769	13.35				
PT-VOA-SOILDL	183872	13.34				
VY1031SBL01	165838	13.35				
VY1031SBS01	187853	13.35				
VY1031SBSD01	186835	13.35				

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

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	1.10	U	1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.86	U	0.86	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	5.20	UQ	5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	15.6	U	15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	0.64	UQ	0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	130		0.78	5.00	ug/Kg
107-02-8	Acrolein	5.80	U	5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	ug/Kg
67-64-1	Acetone	300		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	140		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	29.3		0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	2.80	U	2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	170		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	1.60	U	1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	29.3		1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	190	E	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	120		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	0.73	U	0.73	5.00	ug/Kg
71-43-2	Benzene	130		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	150	E	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	73.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	38.7		0.66	5.00	ug/Kg
74-95-3	Dibromomethane	31.9		0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	49.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	460		4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	72.9		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	46.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	140		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	59.3		0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	0.59	U	0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	12.8	U	12.8	25.0	ug/Kg
591-78-6	2-Hexanone	420		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	78.8		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	190	E	0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	0.80	U	0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	150	E	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	110		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	230		2.10	15.0	ug/Kg
95-47-6	o-Xylene	120		0.70	5.00	ug/Kg
100-42-5	Styrene	200	E	0.60	5.00	ug/Kg
75-25-2	Bromoform	100		0.81	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	81.8		1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	1.20	U	1.20	5.00	ug/Kg
108-86-1	Bromobenzene	0.65	U	0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	0.64	U	0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.62	U	0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.64	U	0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	0.59	U	0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	68.8		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	150	E	1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.58	U	0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	140		0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	0.63	U	0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	110		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	0.81	U	0.81	5.00	ug/Kg
91-20-3	Naphthalene	66.5		1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	120		0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	0.95	U	0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	0.80	U	0.80	5.00	ug/Kg
107-05-1	Allyl chloride	0.57	U	0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.80	U	0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.50	UQ	1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	0.73	U	0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	0.57	U	0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	42.5	U	42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		50 - 163	100%	SPK: 50

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	50.5		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	52.1		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		29 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	7.713			
540-36-3	1,4-Difluorobenzene	445000	8.616			
3114-55-4	Chlorobenzene-d5	375000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.346			

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_Y\Data\VY103124\
 Data File : VY020089.D
 Acq On : 31 Oct 2024 13:05
 Operator : SY/MD
 Sample : P4495-23
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOIL

Quant Time: Nov 01 05:06:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	251162	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	444591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	173769	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156245	49.844	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.680%
35) Dibromofluoromethane	7.640	113	142878	50.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.100%
50) Toluene-d8	10.103	98	586070	52.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.180%
62) 4-Bromofluorobenzene	12.401	95	187361	51.267	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	102.540%

Target Compounds				Qvalue		
12) 1,1-Dichloroethene	3.793	96	356326	131.468	ug/l	# 78
16) Acetone	3.866	43	216031	296.346	ug/l	87
19) Methyl tert-butyl Ether	5.116	73	946114	138.752	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	89531	29.290	ug/l	86
25) 2-Butanone	6.896	43	170888	172.935	ug/l	# 84
30) Chloroform	7.421	83	1124488	192.854	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	620478	121.885	ug/l	# 94
40) Benzene	8.079	78	1633952	128.200	ug/l	99
42) 1,2-Dichloroethane	8.158	62	532217	150.859	ug/l	94
44) Trichloroethene	8.865	130	215715	73.025	ug/l	85
45) 1,2-Dichloropropane	9.140	63	117857	38.650	ug/l	96
46) Dibromomethane	9.231	93	52690	31.889	ug/l	# 87
47) Bromodichloromethane	9.420	83	213940	49.426	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	958691	464.755	ug/l	88
52) Toluene	10.170	92	572690	72.893	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	176472	46.169	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	648899	142.233	ug/l	# 84
55) 1,1,2-Trichloroethane	10.573	97	121922	59.348	ug/l	91
59) 2-Hexanone	10.755	43	627378	424.230	ug/l	86
61) 1,2-Dibromoethane	11.011	107	150491	78.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	491353	192.389	ug/l	99
67) Ethyl Benzene	11.517	91	2294482	153.550	ug/l	99
68) m/p-Xylenes	11.627	106	615729	112.624	ug/l	91
69) o-Xylene	11.950	106	621034	119.982	ug/l	91
70) Styrene	11.969	104	1706368	199.384	ug/l	96
71) Bromoform	12.127	173	132995	101.506	ug/l	# 98
75) 1,1,2,2-Tetrachloroethane	12.505	83	198494	81.761	ug/l	99
83) tert-Butylbenzene	12.993	119	670762	68.831	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	1694331	153.494	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	806143	141.937	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41093	111.612	ug/l	78
95) Naphthalene	15.145	128	330910	66.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	260484	115.229	ug/l	98

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

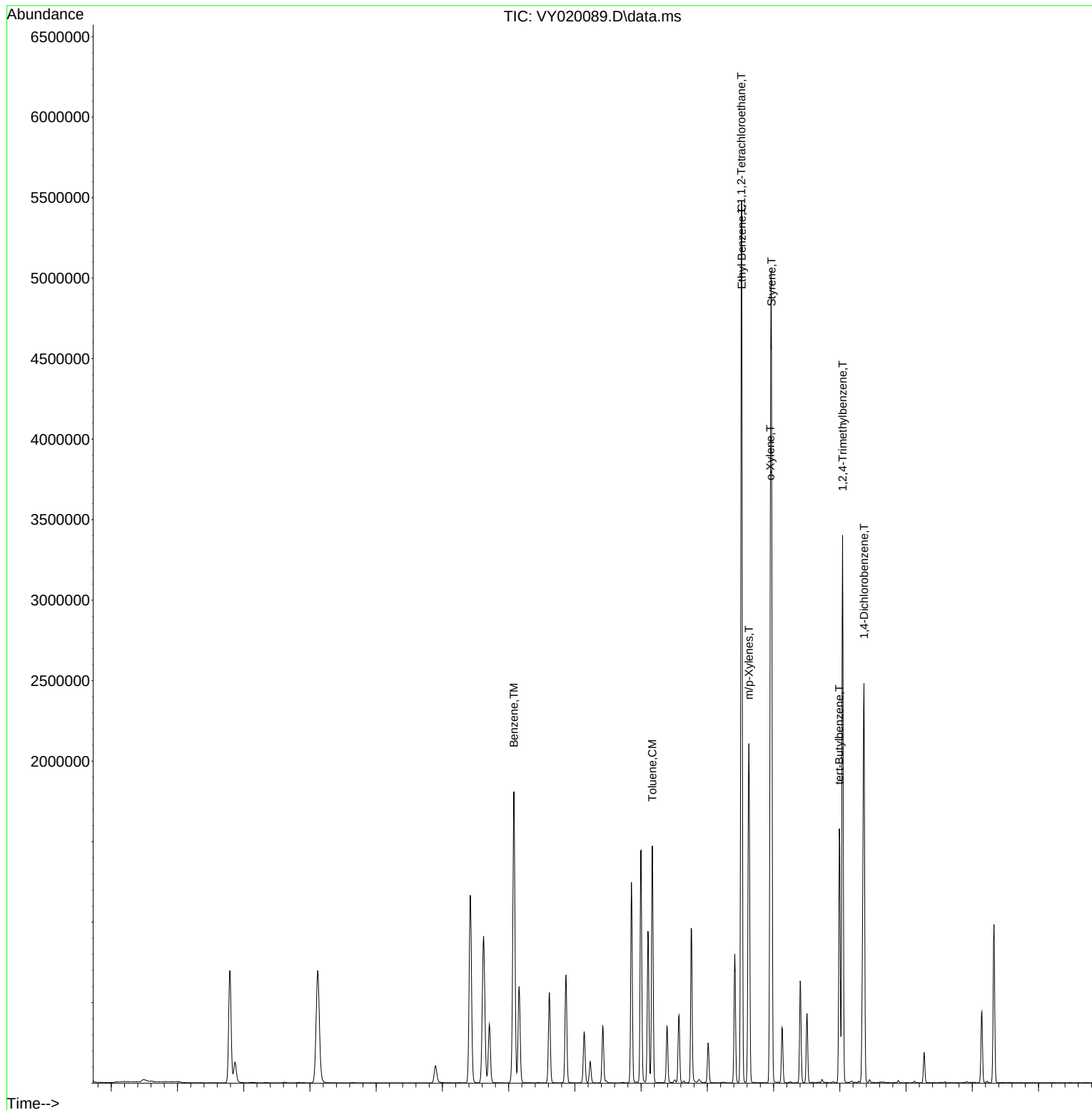
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MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

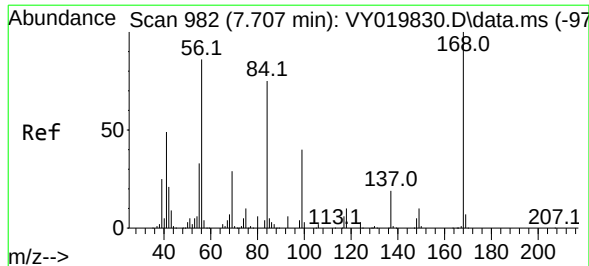
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- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020089.D
Acq On : 31 Oct 2024 13:05
Operator : SY/MD
Sample : P4495-23
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

Quant Time: Nov 01 05:06:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

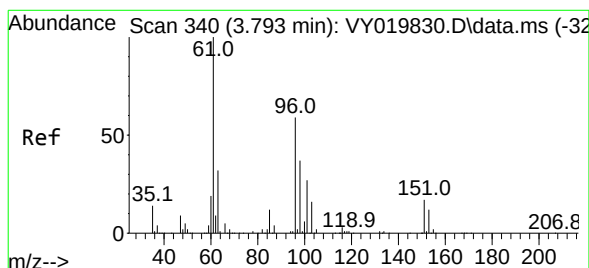
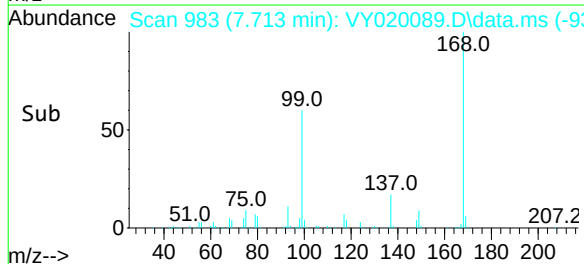
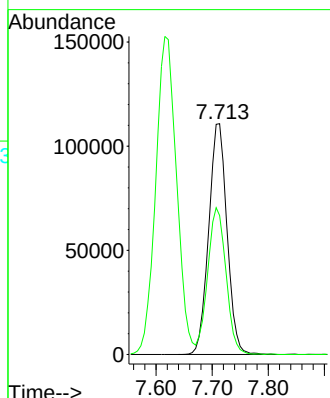
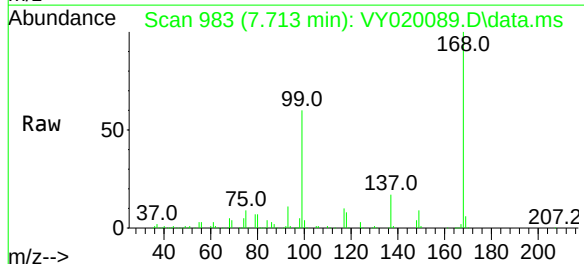




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020089.D
Acq: 31 Oct 2024 13:05

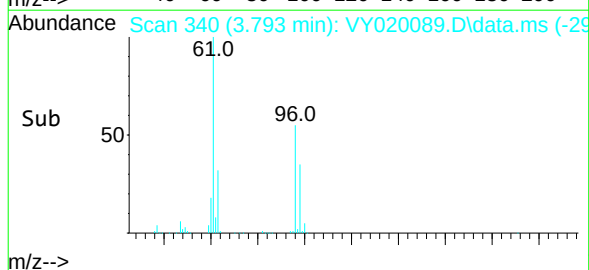
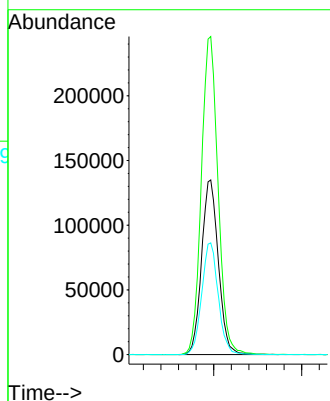
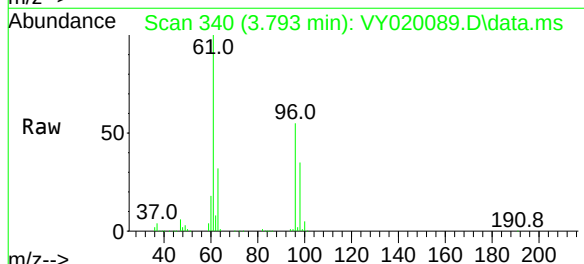
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

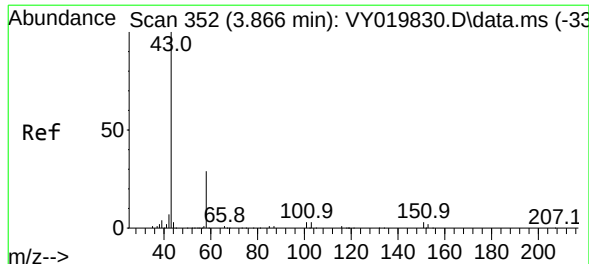
Tgt Ion: 168 Resp: 251162
Ion Ratio Lower Upper
168 100
99 60.2 39.1 58.7#



#12
1,1-Dichloroethene
Concen: 131.468 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020089.D
Acq: 31 Oct 2024 13:05

Tgt Ion: 96 Resp: 356326
Ion Ratio Lower Upper
96 100
61 182.1 114.6 171.8#
98 64.0 50.8 76.2





#16

Acetone

Concen: 296.346 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

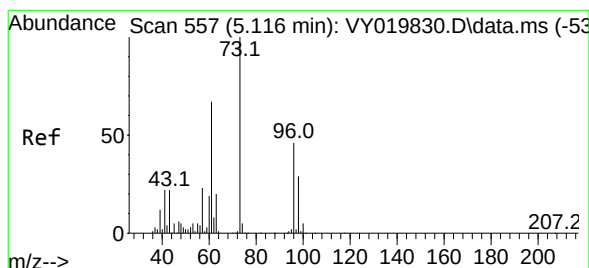
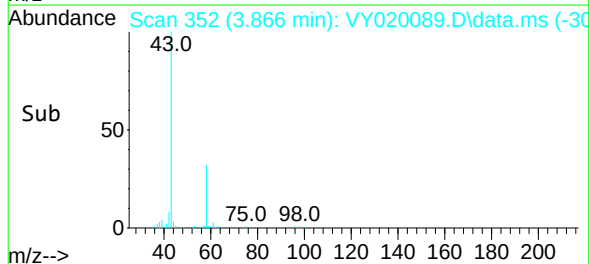
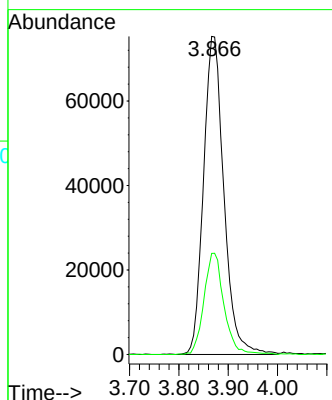
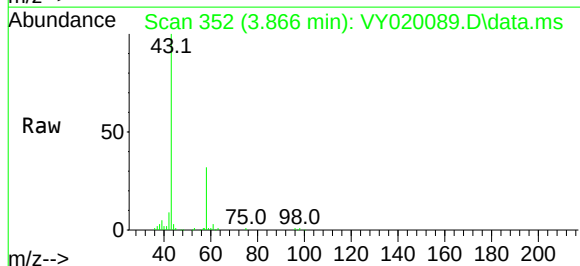
PT-VOA-SOIL

Tgt Ion: 43 Resp: 216031

Ion Ratio Lower Upper

43 100

58 31.8 31.7 47.5



#19

Methyl tert-butyl Ether

Concen: 138.752 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY020089.D

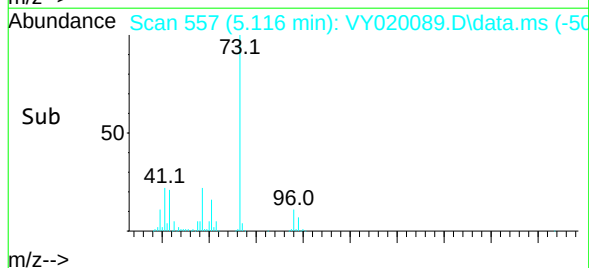
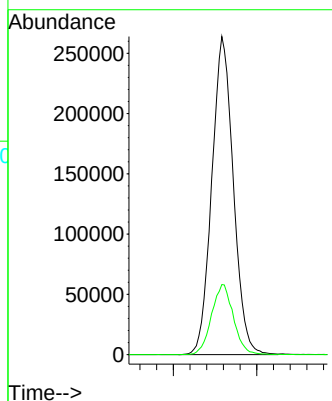
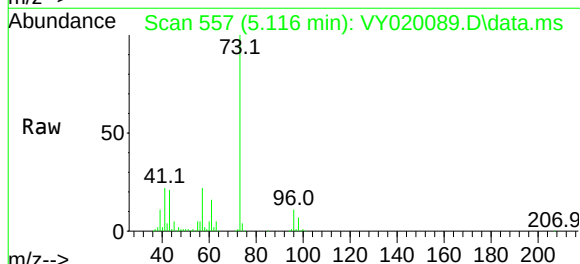
Acq: 31 Oct 2024 13:05

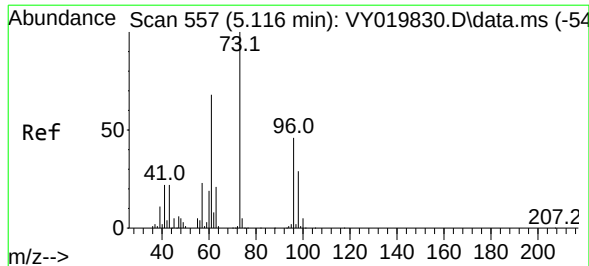
Tgt Ion: 73 Resp: 946114

Ion Ratio Lower Upper

73 100

57 22.0 17.3 25.9





#21

trans-1,2-Dichloroethene

Concen: 29.290 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

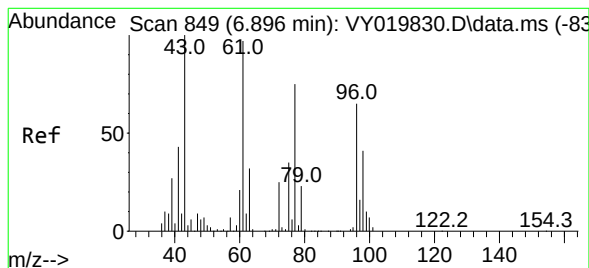
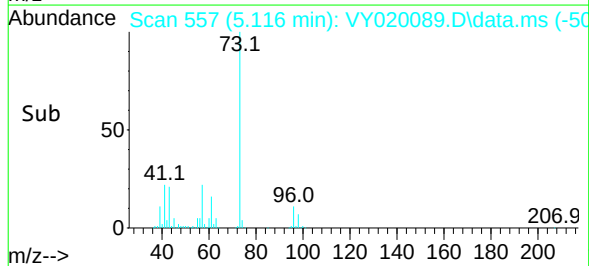
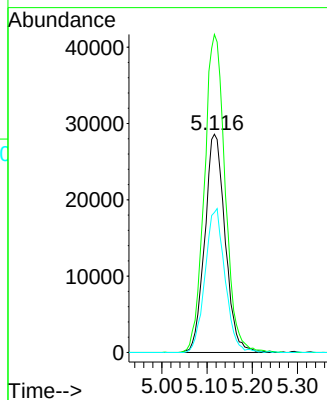
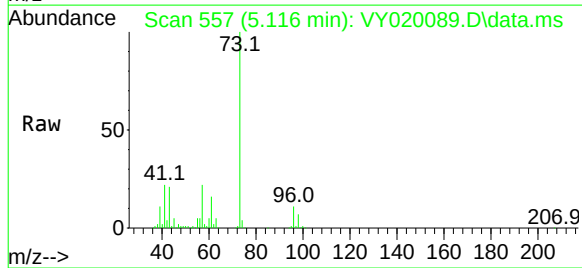
Tgt Ion: 96 Resp: 89531

Ion Ratio Lower Upper

96 100

61 145.7 97.5 146.3

98 64.1 50.5 75.7



#25

2-Butanone

Concen: 172.935 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY020089.D

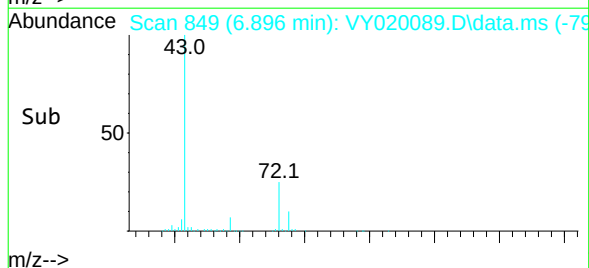
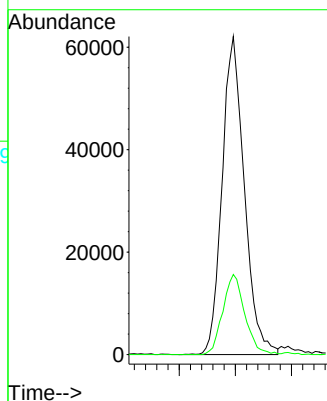
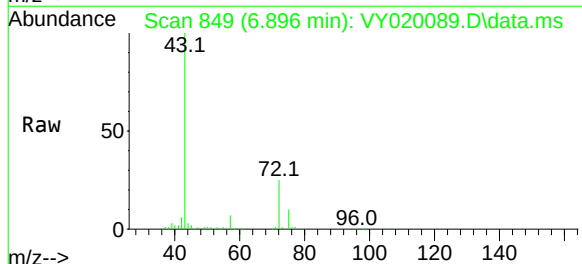
Acq: 31 Oct 2024 13:05

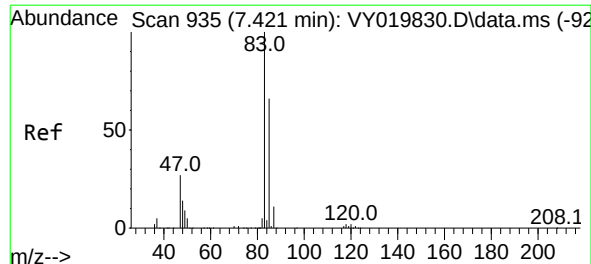
Tgt Ion: 43 Resp: 170888

Ion Ratio Lower Upper

43 100

72 25.2 27.3 40.9#





#30

Chloroform

Concen: 192.854 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

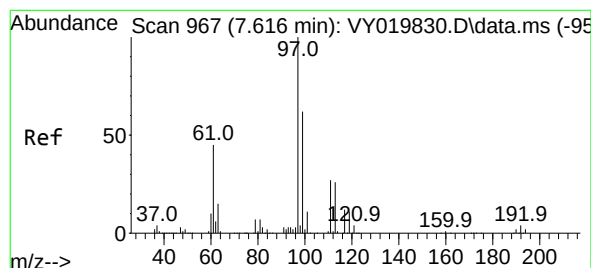
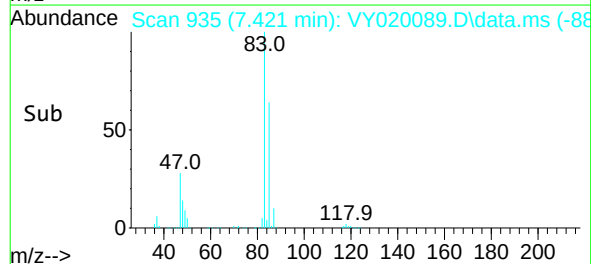
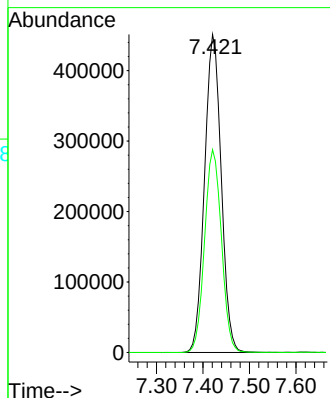
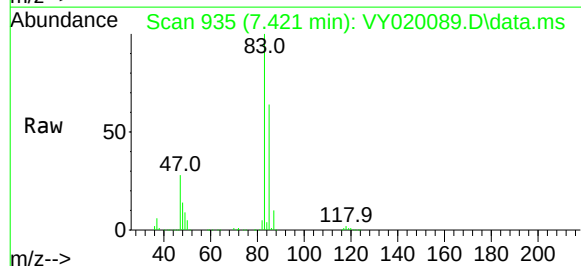
PT-VOA-SOIL

Tgt Ion: 83 Resp: 1124488

Ion Ratio Lower Upper

83 100

85 63.8 52.2 78.4



#32

1,1,1-Trichloroethane

Concen: 121.885 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

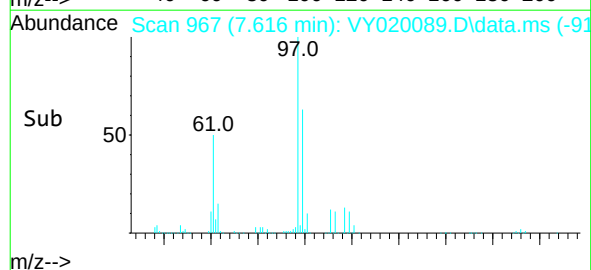
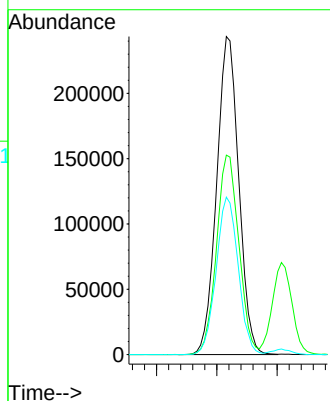
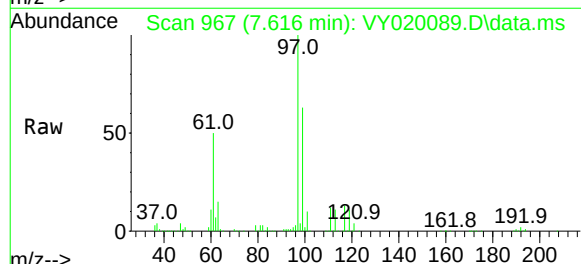
Tgt Ion: 97 Resp: 620478

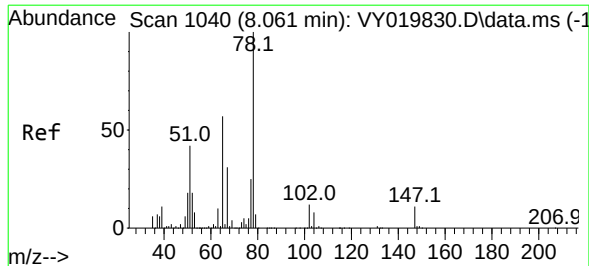
Ion Ratio Lower Upper

97 100

99 63.6 50.3 75.5

61 49.5 32.6 48.8#

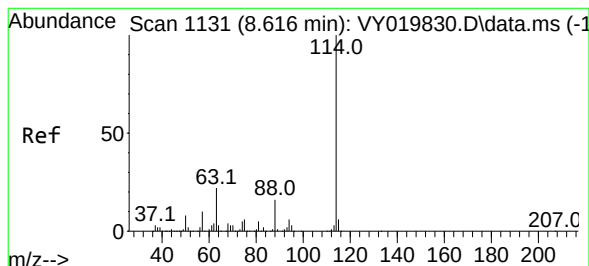
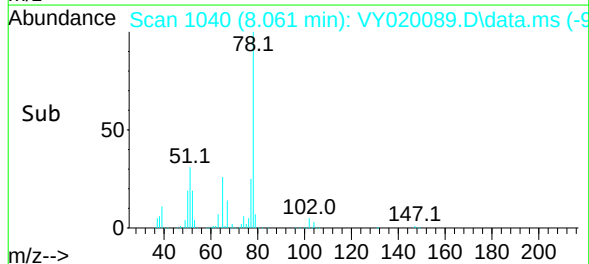
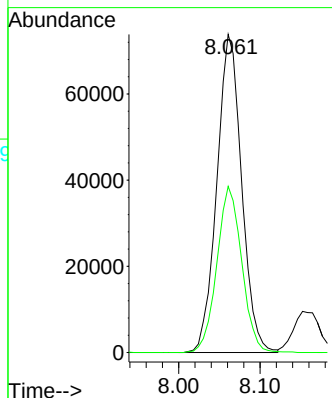
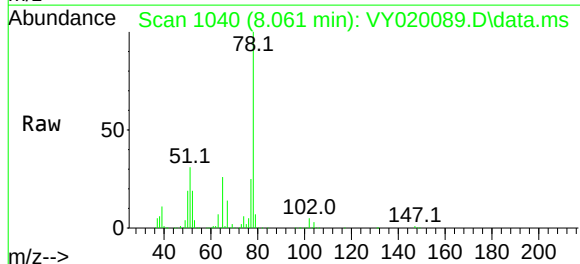




#33
1,2-Dichloroethane-d4
Concen: 49.844 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020089.D
Acq: 31 Oct 2024 13:05

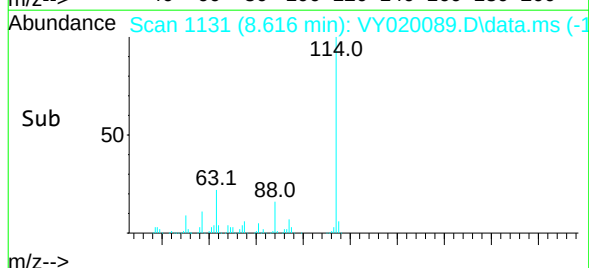
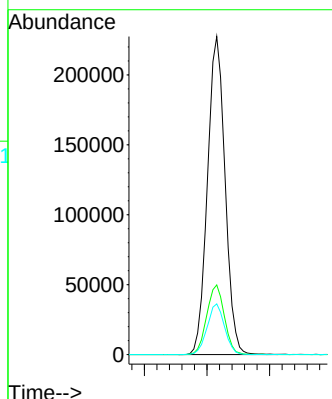
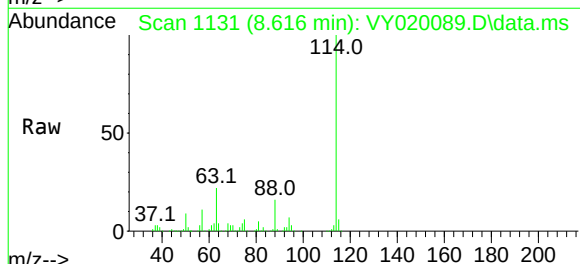
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

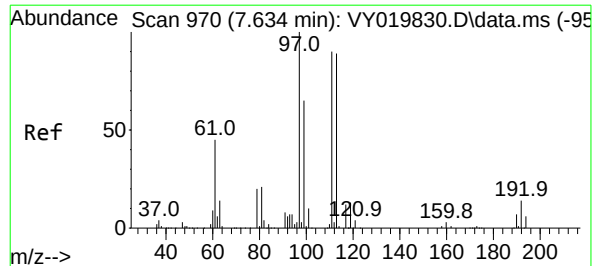
Tgt Ion: 65 Resp: 156245
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020089.D
Acq: 31 Oct 2024 13:05

Tgt Ion: 114 Resp: 444591
Ion Ratio Lower Upper
114 100
63 21.9 0.0 35.0
88 15.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.546 ug/l

RT: 7.640 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

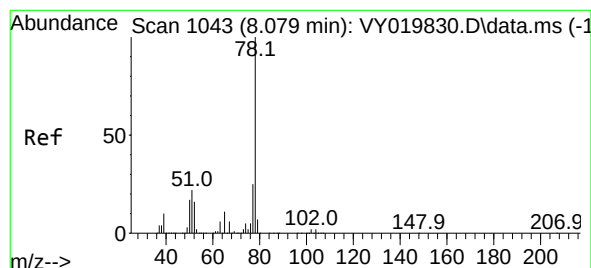
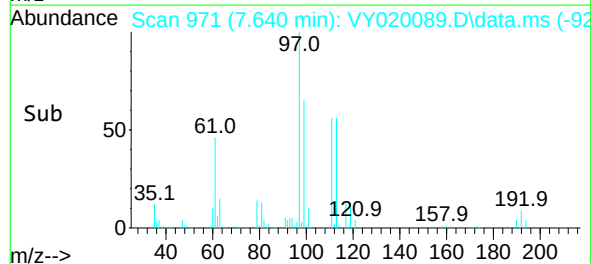
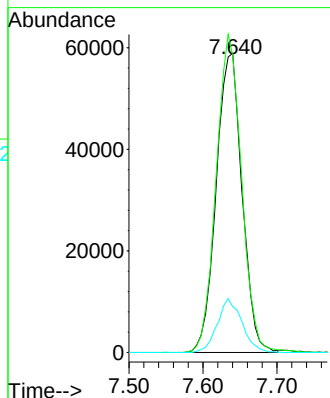
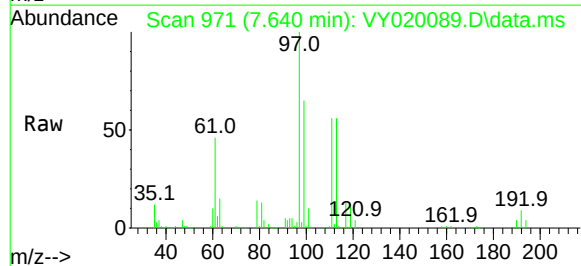
Tgt Ion:113 Resp: 142878

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 17.2 15.9 23.9



#40

Benzene

Concen: 128.200 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020089.D

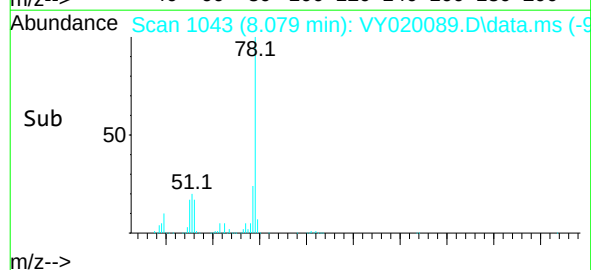
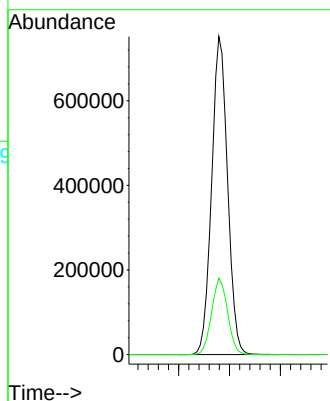
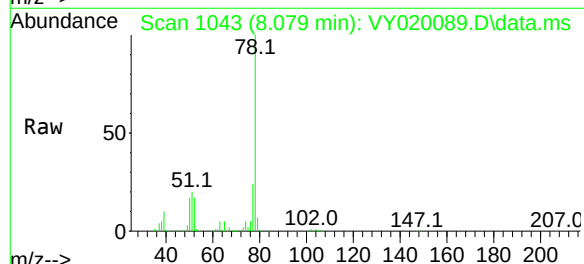
Acq: 31 Oct 2024 13:05

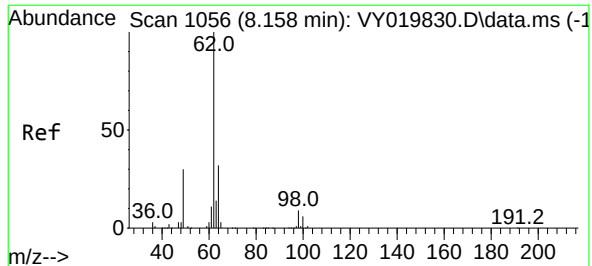
Tgt Ion: 78 Resp: 1633952

Ion Ratio Lower Upper

78 100

77 24.0 19.5 29.3





#42

1,2-Dichloroethane

Concen: 150.859 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

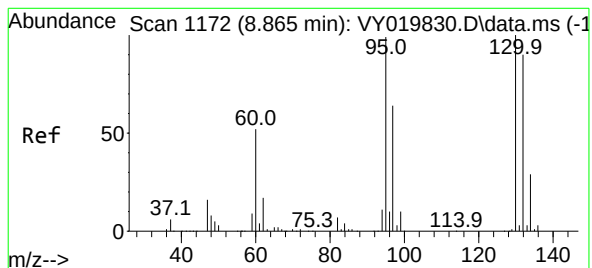
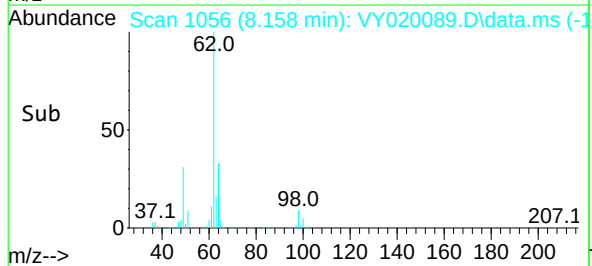
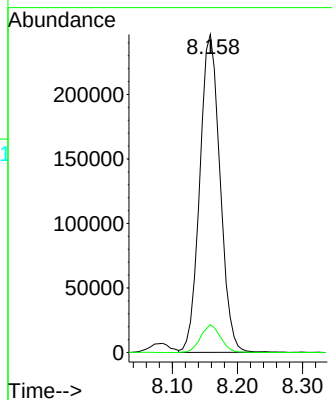
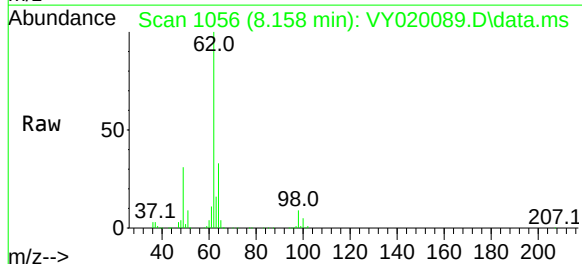
PT-VOA-SOIL

Tgt Ion: 62 Resp: 532217

Ion Ratio Lower Upper

62 100

98 8.6 0.0 22.0



#44

Trichloroethene

Concen: 73.025 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY020089.D

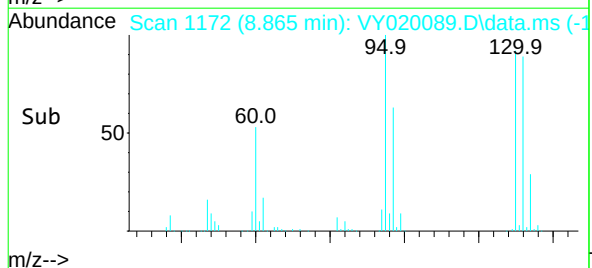
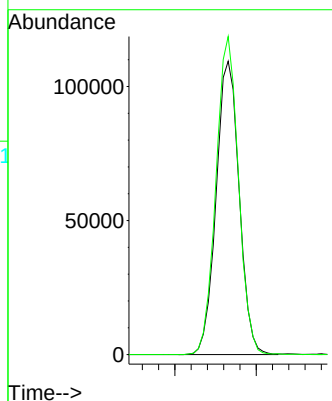
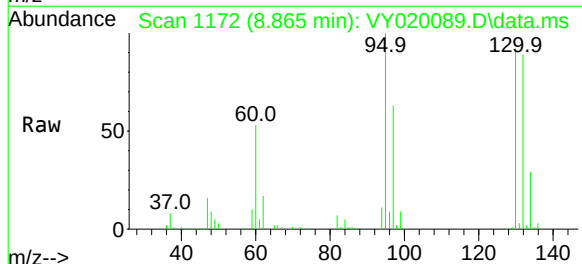
Acq: 31 Oct 2024 13:05

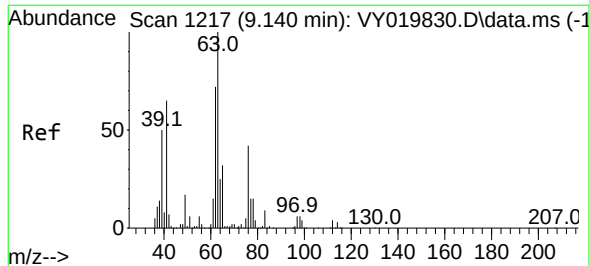
Tgt Ion:130 Resp: 215715

Ion Ratio Lower Upper

130 100

95 108.4 0.0 188.0

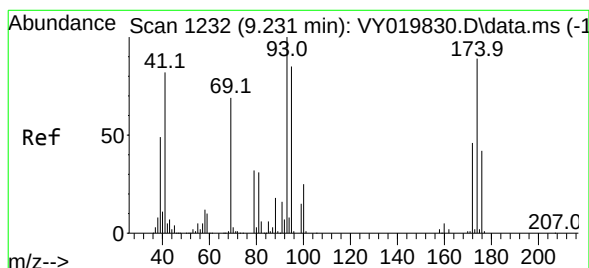
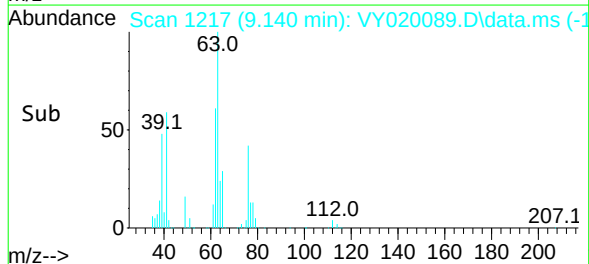
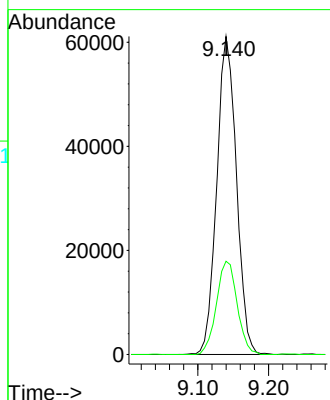
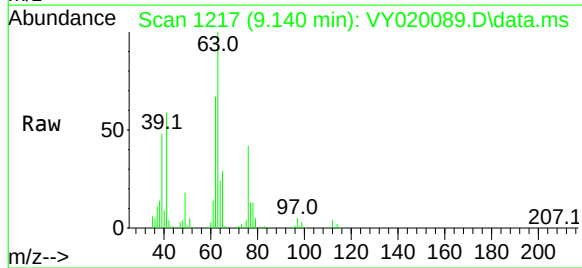




#45
1,2-Dichloropropane
Concen: 38.650 ug/l
RT: 9.140 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VY020089.D
Acq: 31 Oct 2024 13:05

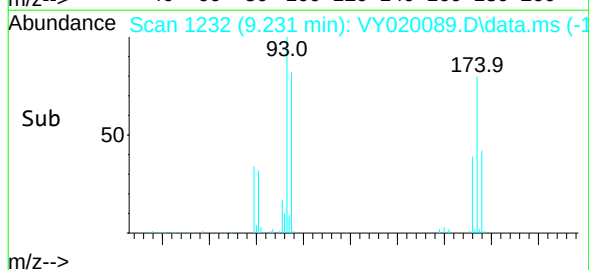
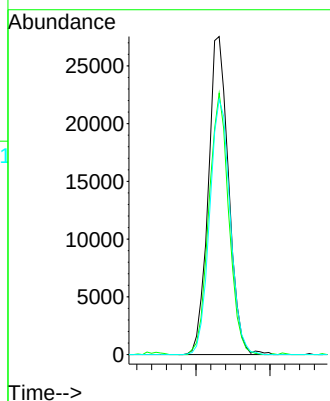
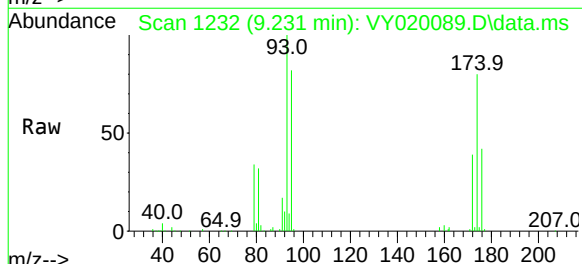
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

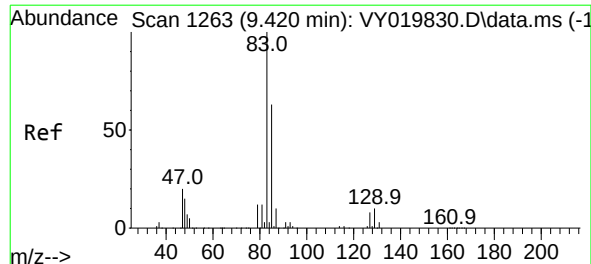
Tgt Ion: 63 Resp: 117857
Ion Ratio Lower Upper
63 100
65 29.3 25.4 38.2



#46
Dibromomethane
Concen: 31.889 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020089.D
Acq: 31 Oct 2024 13:05

Tgt Ion: 93 Resp: 52690
Ion Ratio Lower Upper
93 100
95 79.9 66.2 99.4
174 80.5 80.9 121.3#





#47

Bromodichloromethane

Concen: 49.426 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

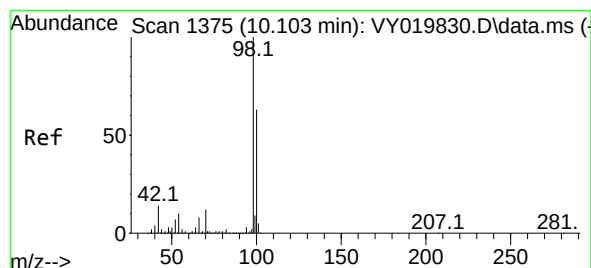
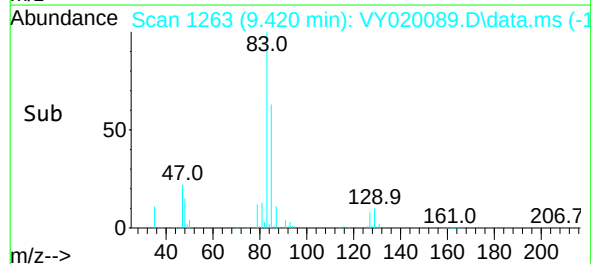
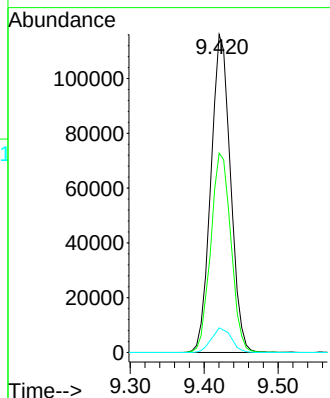
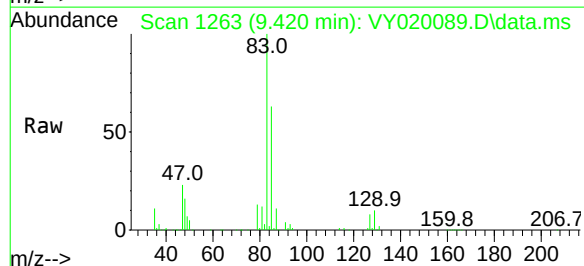
Tgt Ion: 83 Resp: 213940

Ion Ratio Lower Upper

83 100

85 62.7 50.1 75.1

127 7.7 7.4 11.0



#50

Toluene-d8

Concen: 52.088 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020089.D

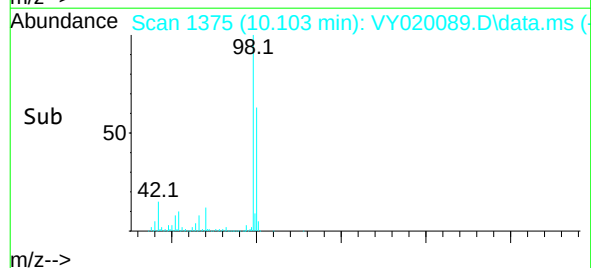
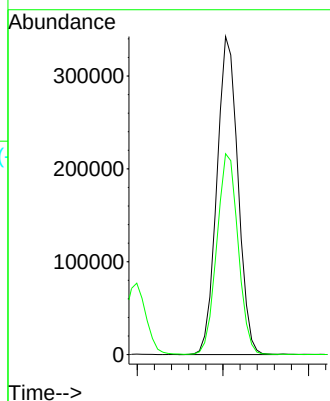
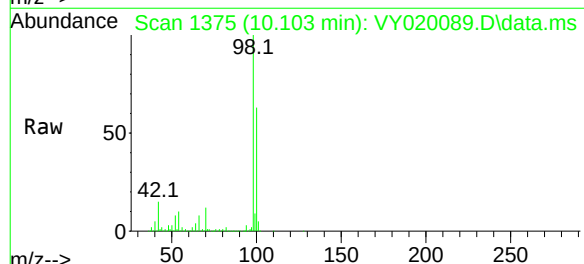
Acq: 31 Oct 2024 13:05

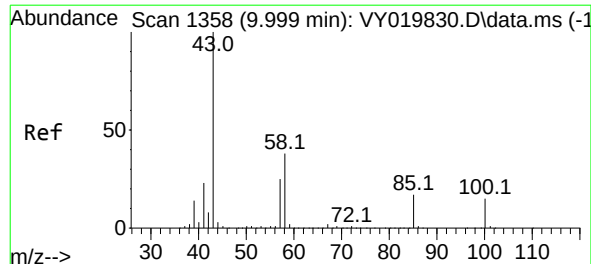
Tgt Ion: 98 Resp: 586070

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 464.755 ug/l

RT: 9.993 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

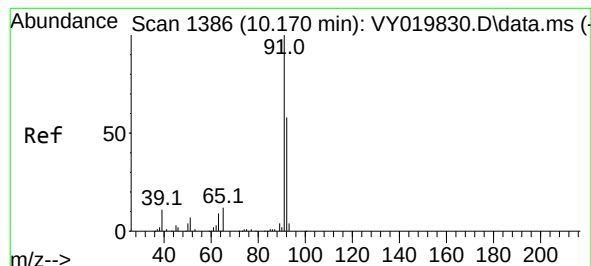
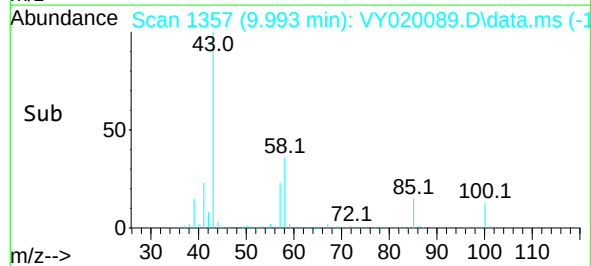
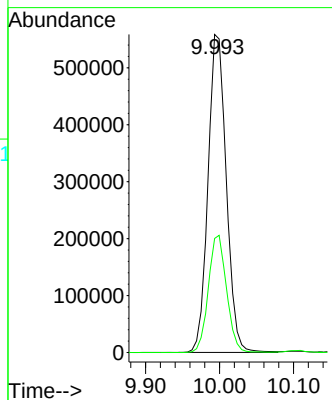
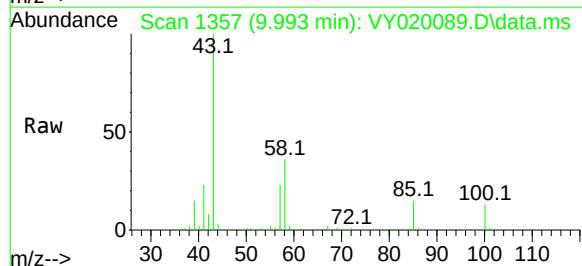
PT-VOA-SOIL

Tgt Ion: 43 Resp: 958691

Ion Ratio Lower Upper

43 100

58 36.7 35.7 53.5



#52

Toluene

Concen: 72.893 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020089.D

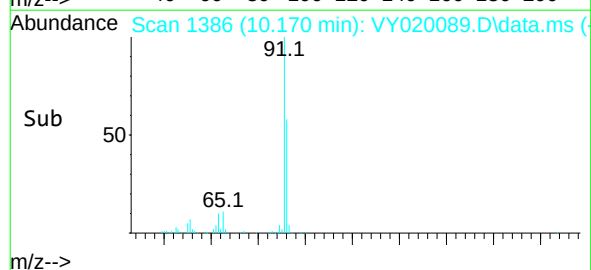
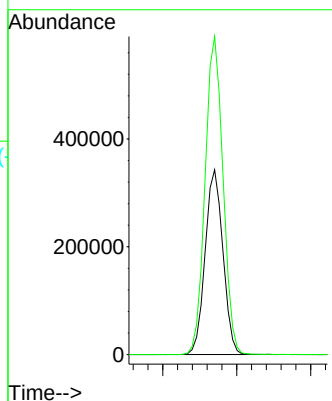
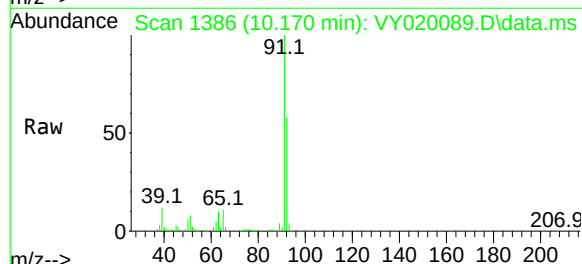
Acq: 31 Oct 2024 13:05

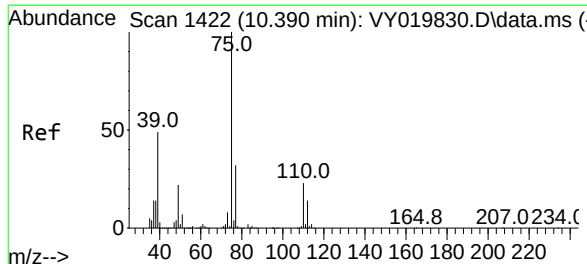
Tgt Ion: 92 Resp: 572690

Ion Ratio Lower Upper

92 100

91 173.6 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 46.169 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

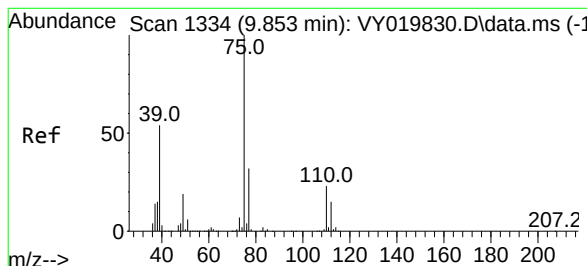
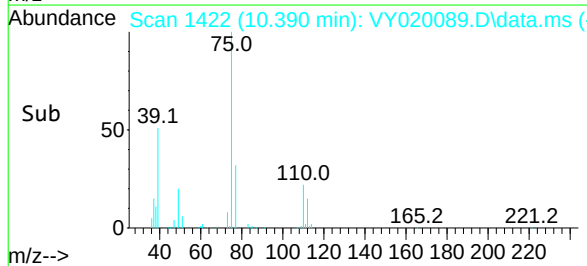
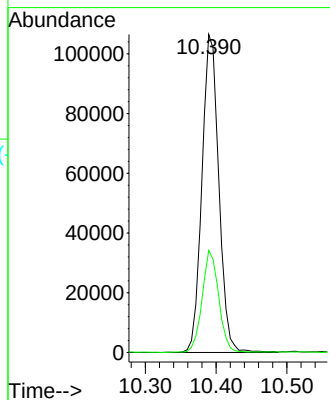
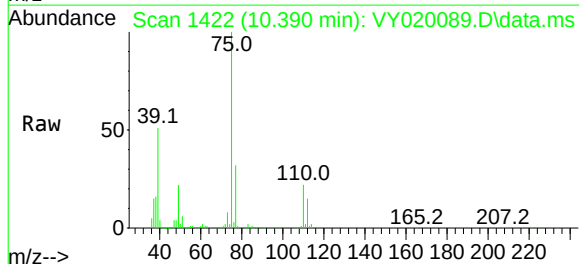
PT-VOA-SOIL

Tgt Ion: 75 Resp: 176472

Ion Ratio Lower Upper

75 100

77 31.9 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 142.233 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

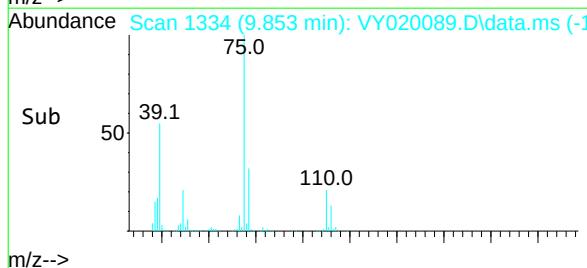
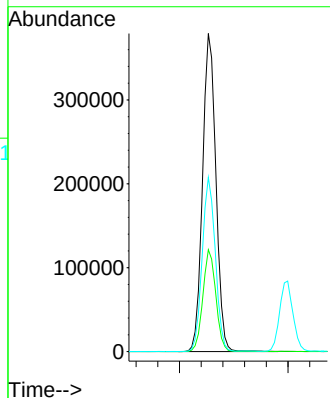
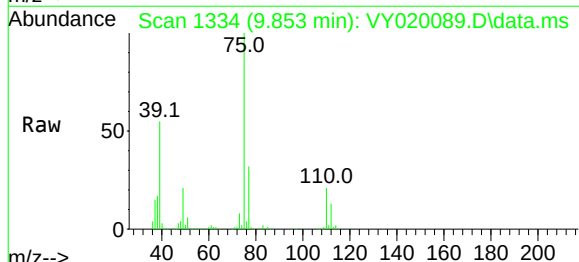
Tgt Ion: 75 Resp: 648899

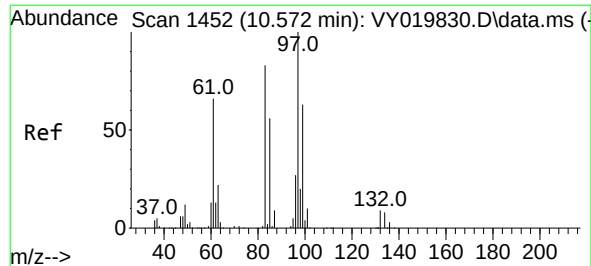
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 54.7 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 59.348 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

Tgt Ion: 97 Resp: 121922

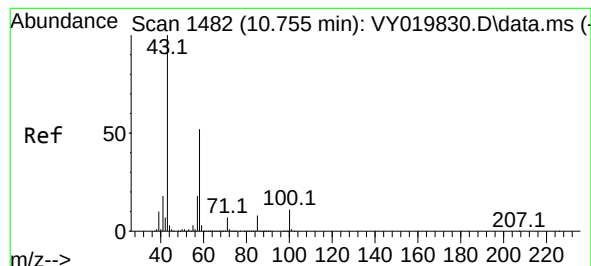
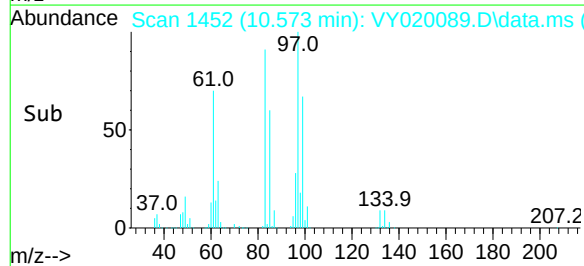
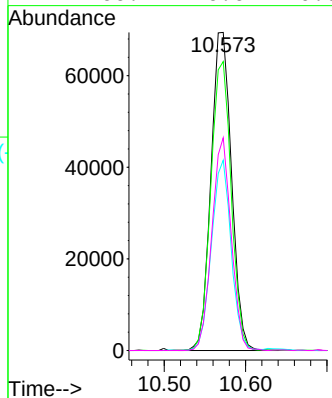
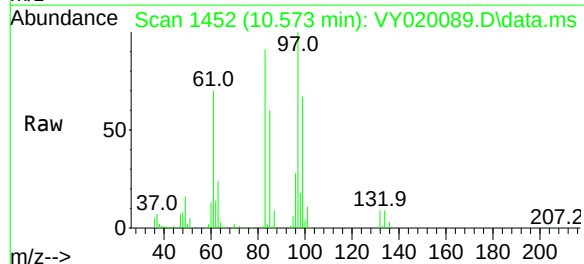
Ion Ratio Lower Upper

97 100

83 90.8 67.5 101.3

85 59.8 42.9 64.3

99 66.9 46.6 70.0



#59

2-Hexanone

Concen: 424.230 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. -0.006 min

Lab File: VY020089.D

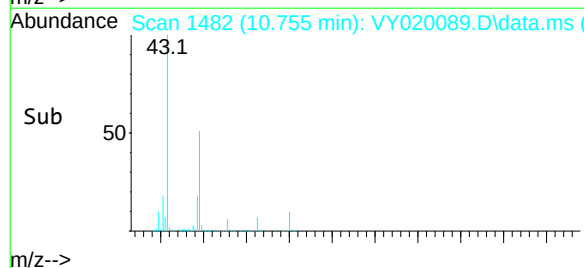
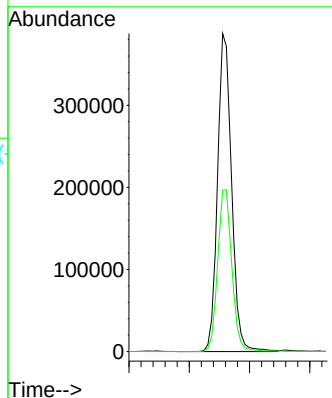
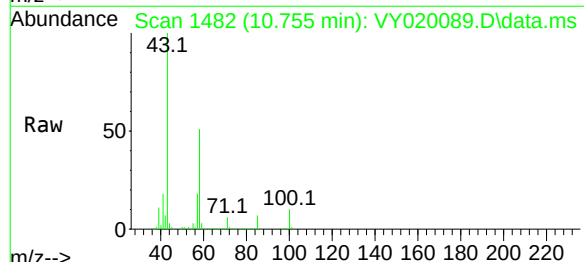
Acq: 31 Oct 2024 13:05

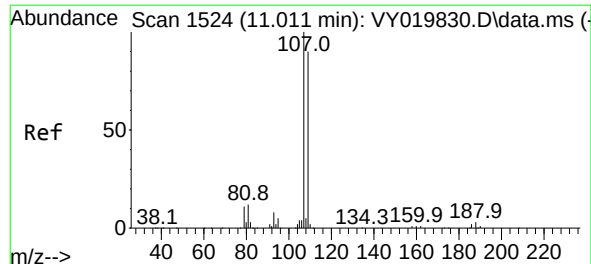
Tgt Ion: 43 Resp: 627378

Ion Ratio Lower Upper

43 100

58 51.5 31.4 94.0





#61

1,2-Dibromoethane

Concen: 78.847 ug/l

RT: 11.011 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

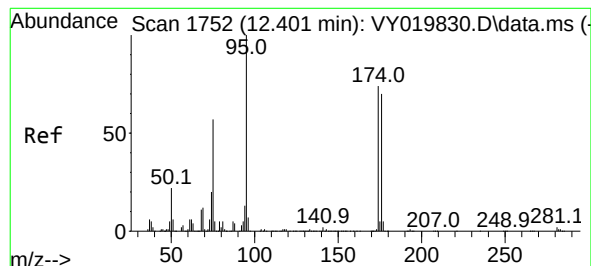
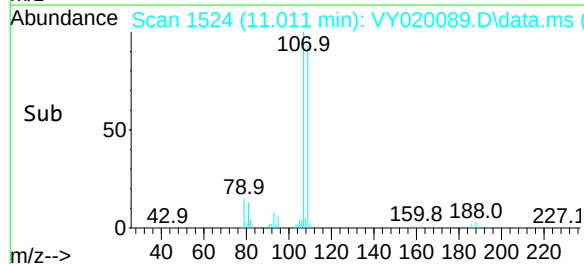
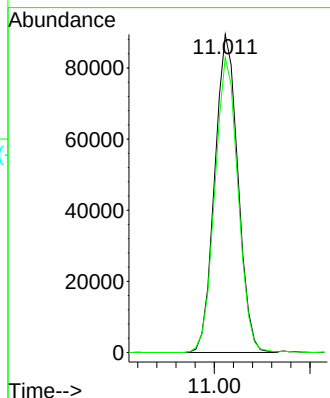
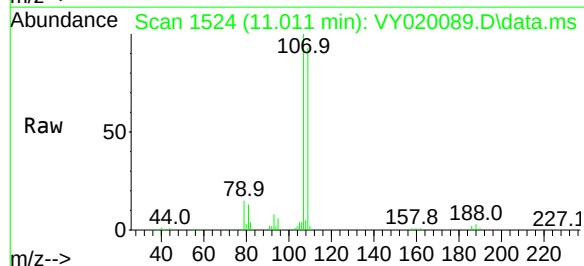
PT-VOA-SOIL

Tgt Ion: 107 Resp: 150491

Ion Ratio Lower Upper

107 100

109 92.6 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 51.267 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

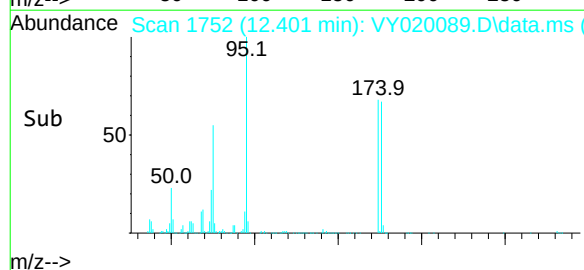
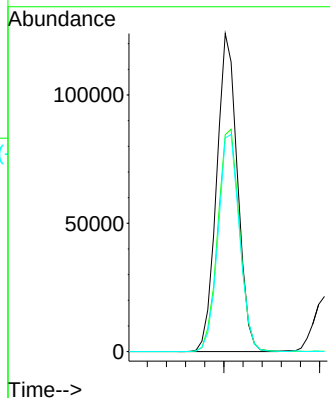
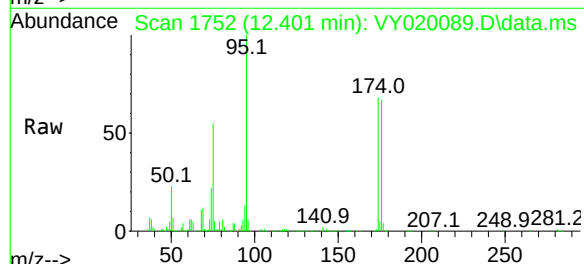
Tgt Ion: 95 Resp: 187361

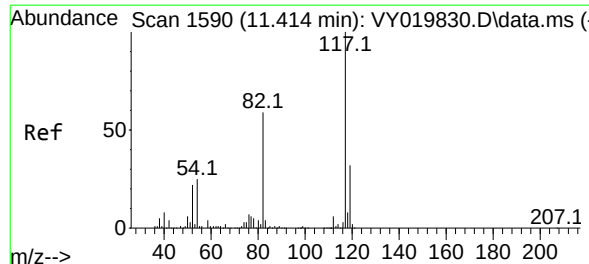
Ion Ratio Lower Upper

95 100

174 72.9 0.0 175.6

176 70.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

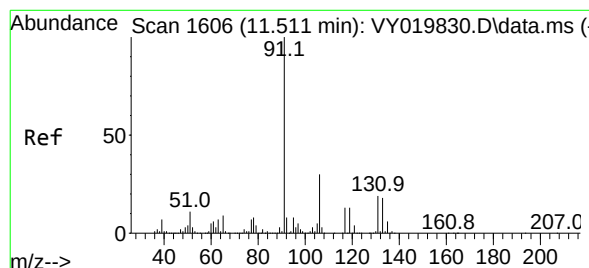
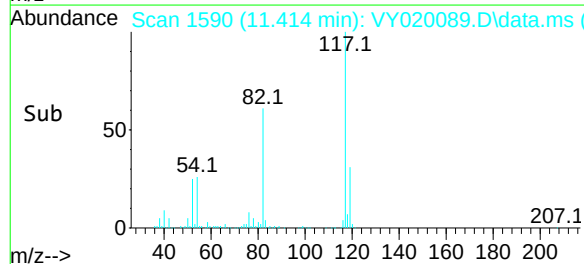
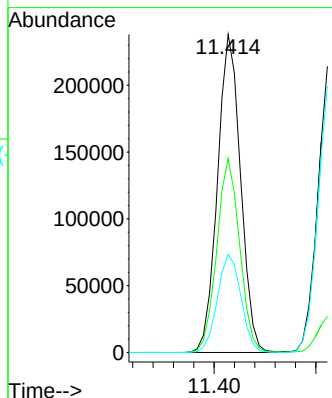
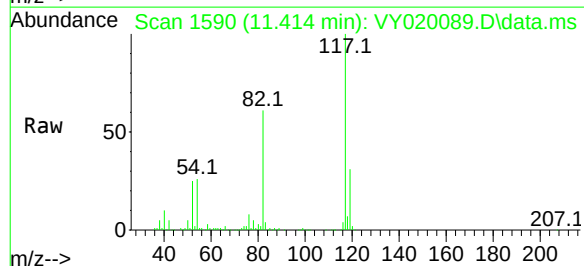
Tgt Ion:117 Resp: 375160

Ion Ratio Lower Upper

117 100

82 61.0 42.4 63.6

119 30.9 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 192.389 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

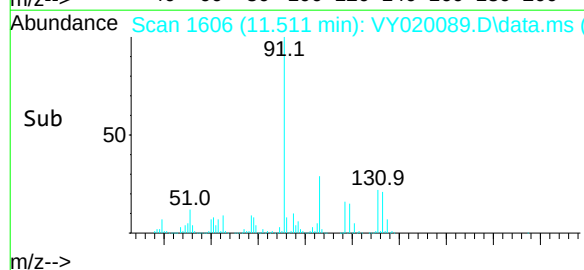
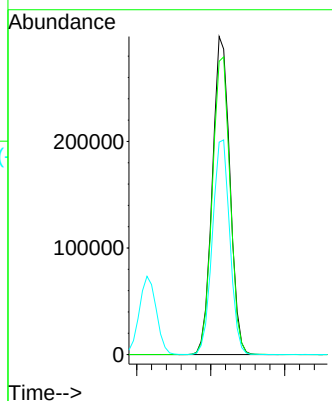
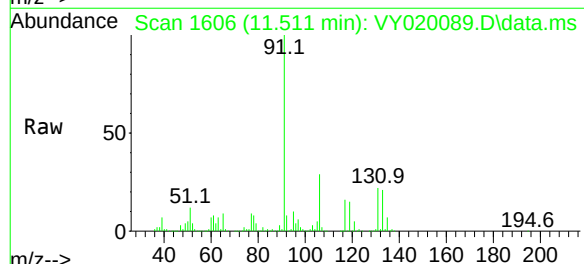
Tgt Ion:131 Resp: 491353

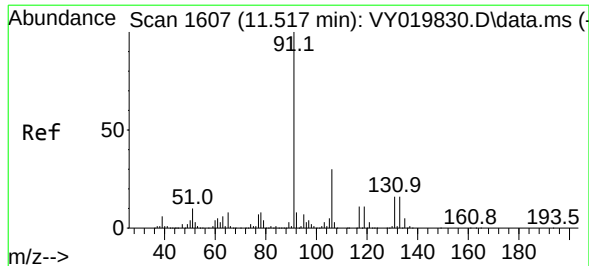
Ion Ratio Lower Upper

131 100

133 94.8 47.8 143.3

119 67.2 34.1 102.2





#67

Ethyl Benzene

Concen: 153.550 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

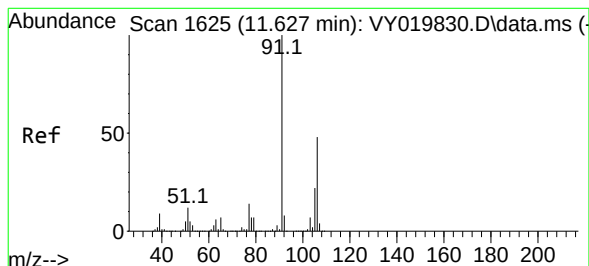
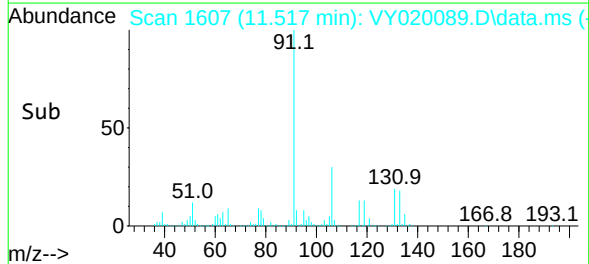
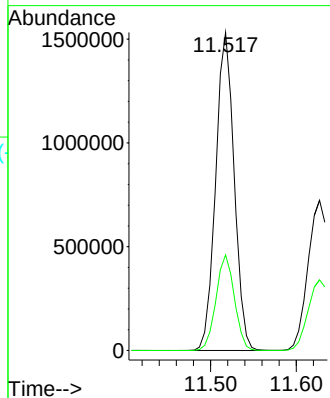
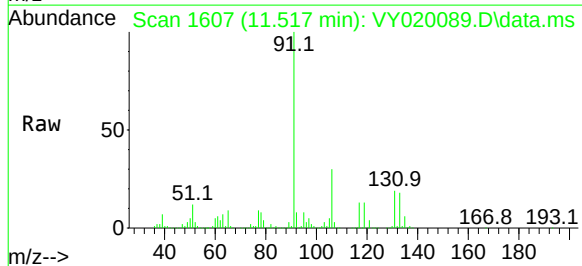
PT-VOA-SOIL

Tgt Ion: 91 Resp: 2294482

Ion Ratio Lower Upper

91 100

106 30.0 24.5 36.7



#68

m/p-Xylenes

Concen: 112.624 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020089.D

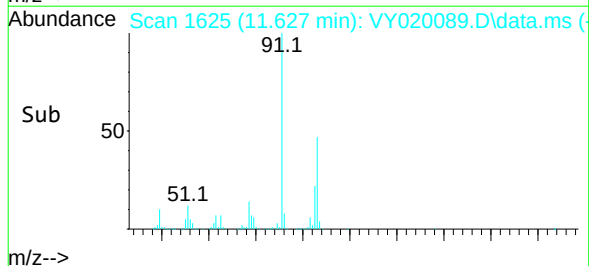
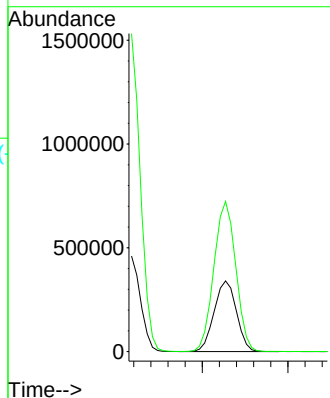
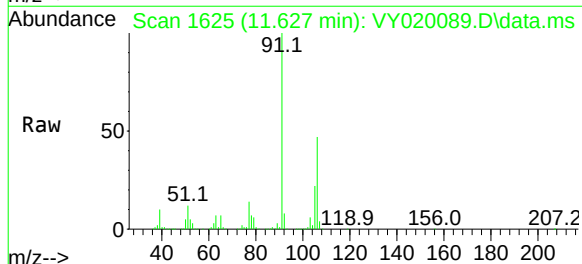
Acq: 31 Oct 2024 13:05

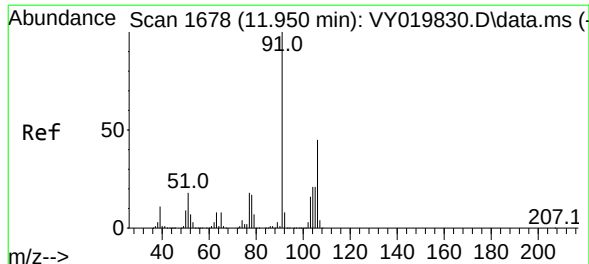
Tgt Ion: 106 Resp: 615729

Ion Ratio Lower Upper

106 100

91 208.8 156.0 234.0





#69

o-Xylene

Concen: 119.982 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

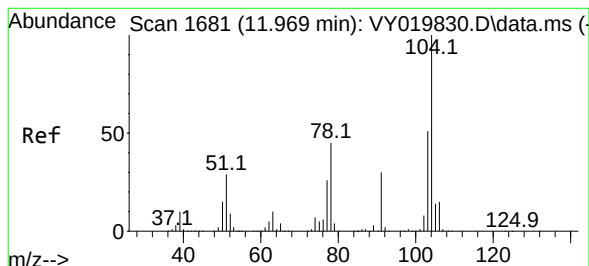
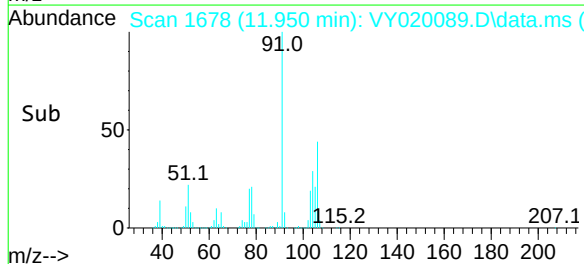
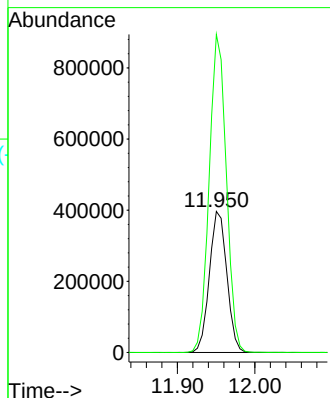
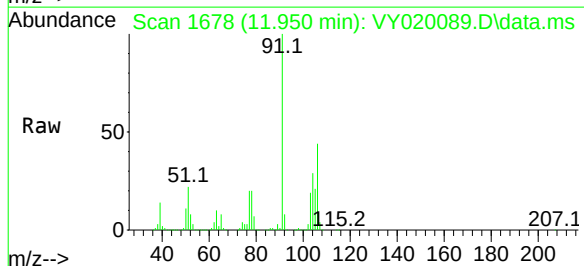
PT-VOA-SOIL

Tgt Ion:106 Resp: 621034

Ion Ratio Lower Upper

106 100

91 221.3 103.6 310.8



#70

Styrene

Concen: 199.384 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

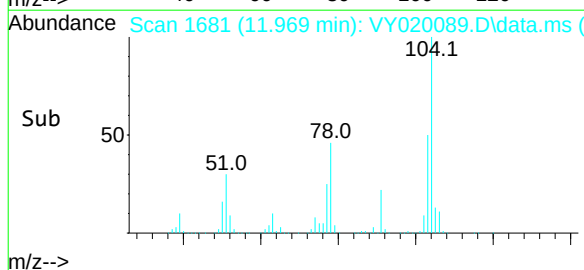
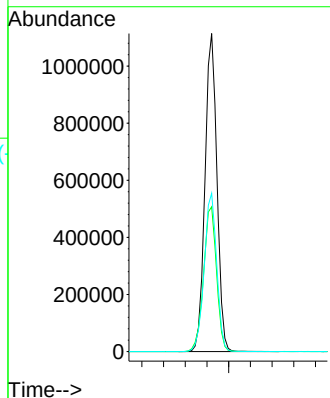
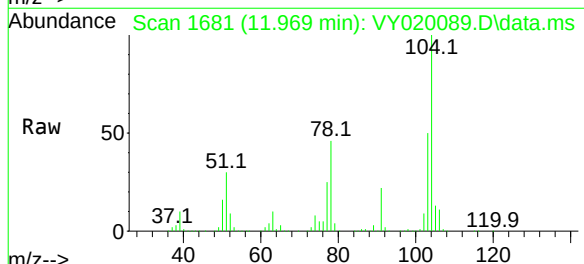
Tgt Ion:104 Resp: 1706368

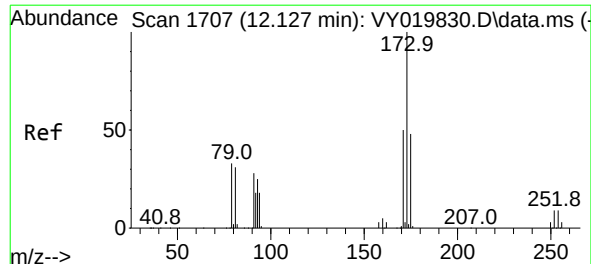
Ion Ratio Lower Upper

104 100

78 49.4 37.0 55.4

103 52.2 44.2 66.2





#71

Bromoform

Concen: 101.506 ug/l

RT: 12.127 min Scan# 1707

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

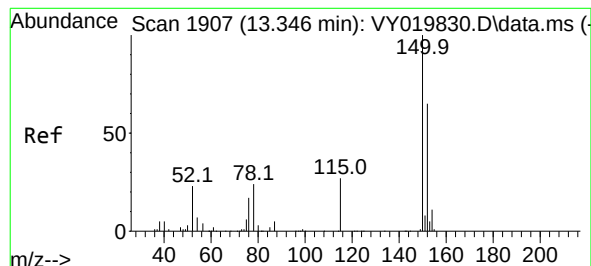
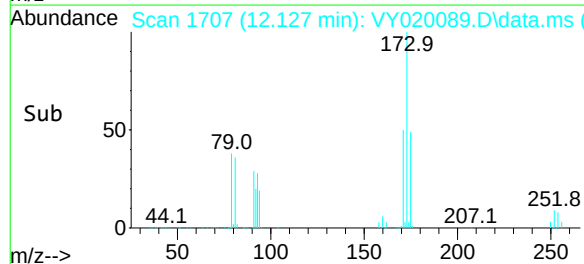
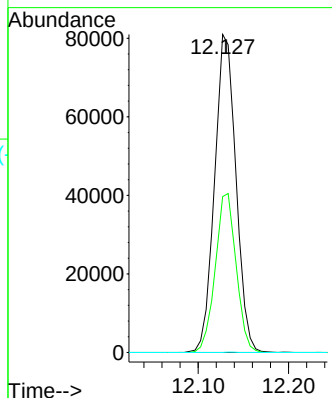
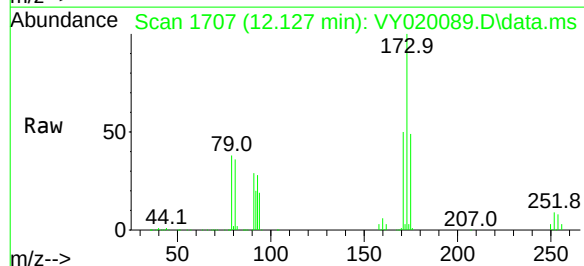
Tgt Ion:173 Resp: 132995

Ion Ratio Lower Upper

173 100

175 48.9 25.1 75.3

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

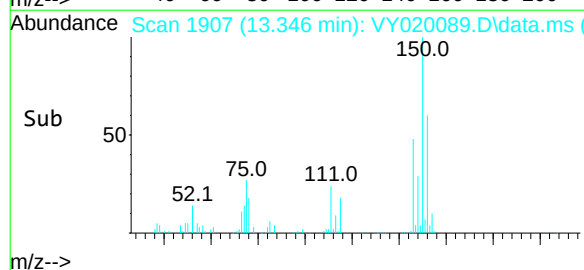
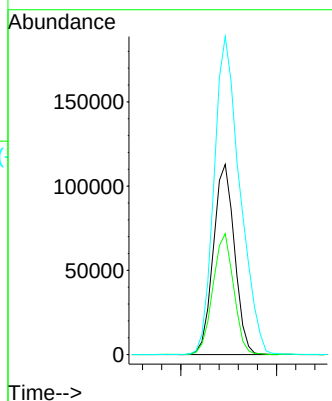
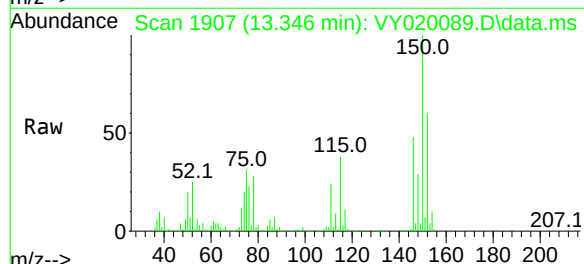
Tgt Ion:152 Resp: 173769

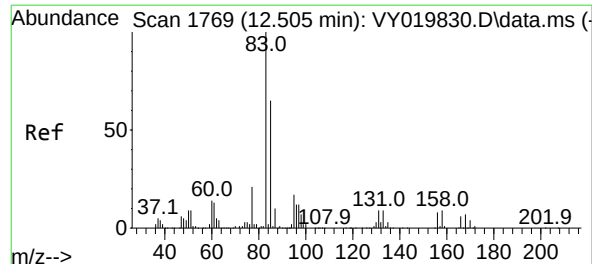
Ion Ratio Lower Upper

152 100

115 62.2 28.2 84.7

150 204.0 0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 81.761 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

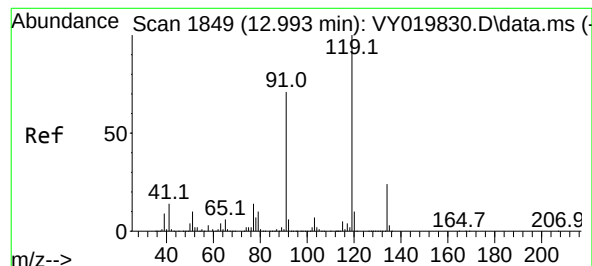
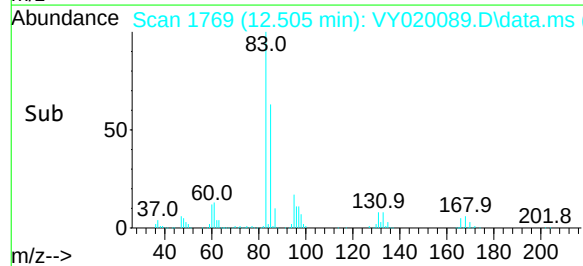
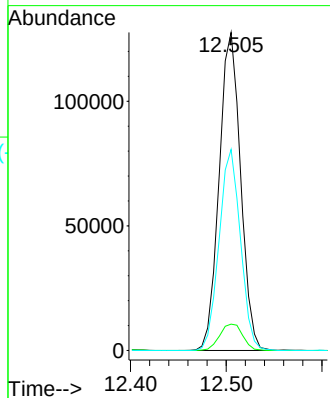
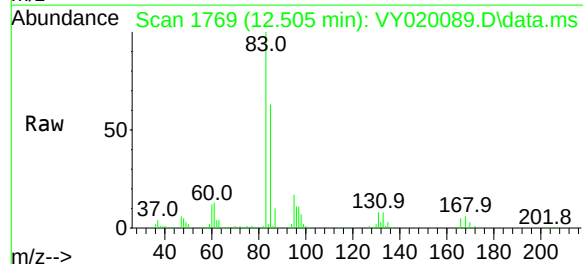
Tgt Ion: 83 Resp: 198494

Ion Ratio Lower Upper

83 100

131 9.0 5.0 14.9

85 63.1 32.0 96.0



#83

tert-Butylbenzene

Concen: 68.831 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

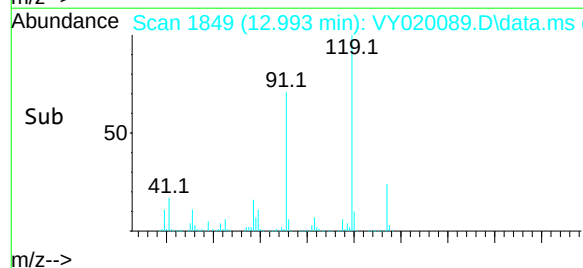
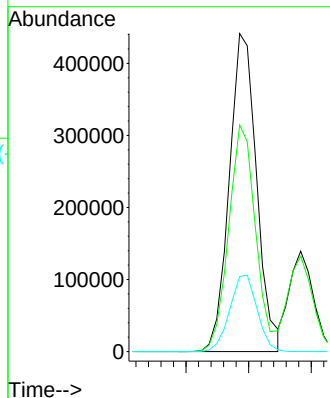
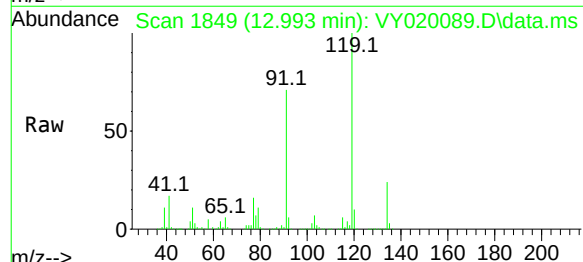
Tgt Ion: 119 Resp: 670762

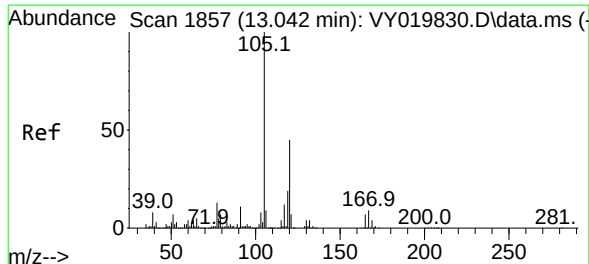
Ion Ratio Lower Upper

119 100

91 69.1 31.3 93.8

134 24.0 13.4 40.1





#84

1,2,4-Trimethylbenzene

Concen: 153.494 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

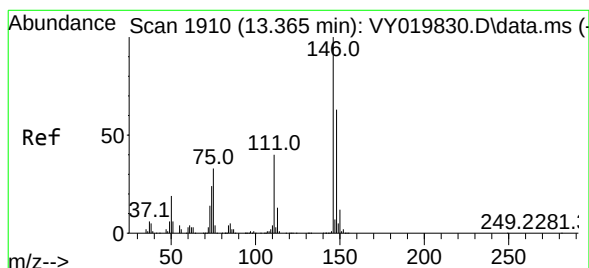
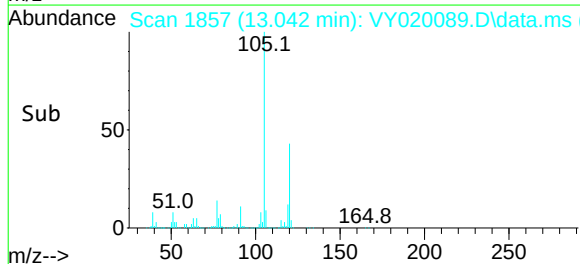
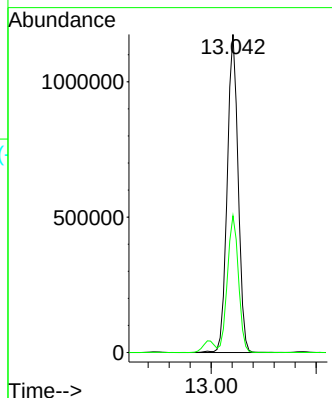
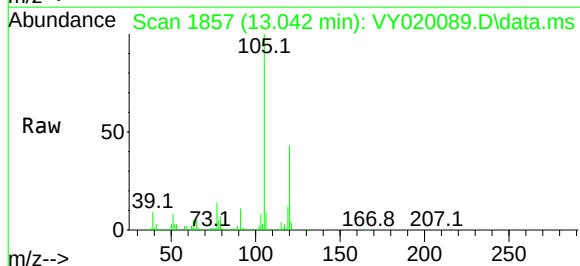
PT-VOA-SOIL

Tgt Ion:105 Resp: 1694331

Ion Ratio Lower Upper

105 100

120 43.7 23.2 69.6



#88

1,4-Dichlorobenzene

Concen: 141.937 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05

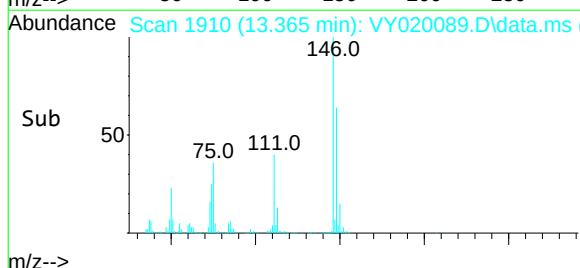
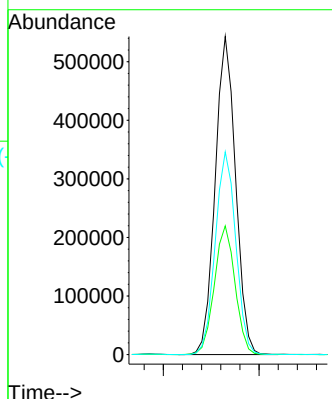
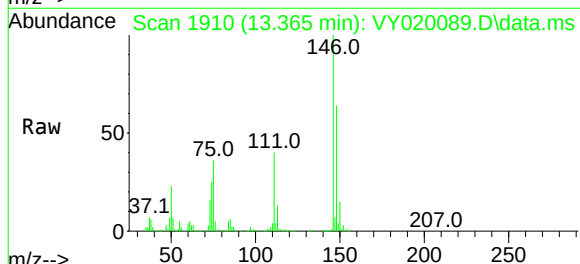
Tgt Ion:146 Resp: 806143

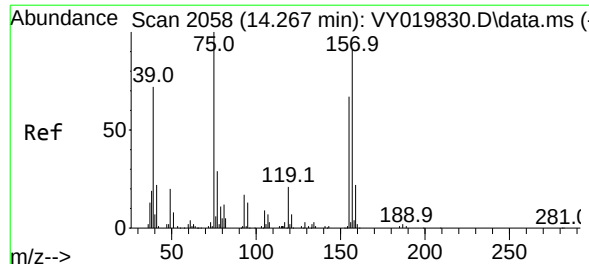
Ion Ratio Lower Upper

146 100

111 41.0 18.4 55.4

148 64.1 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 111.612 ug/l

RT: 14.273 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY020089.D

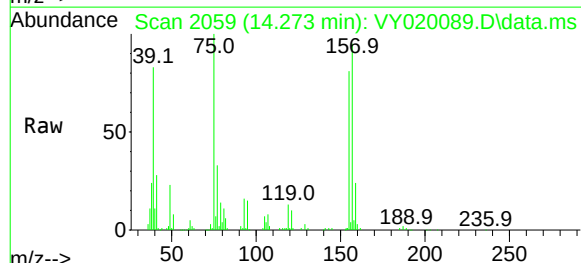
Acq: 31 Oct 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL



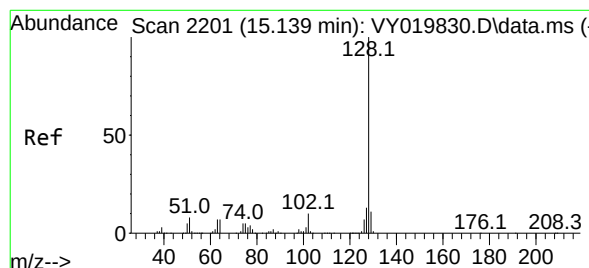
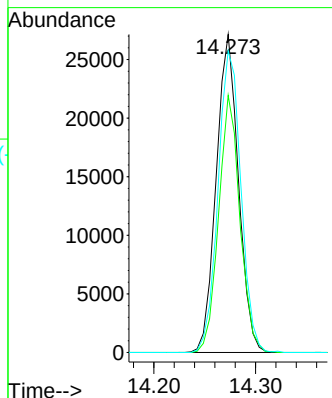
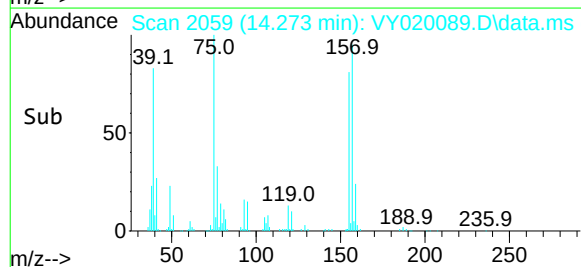
Tgt Ion: 75 Resp: 41093

Ion Ratio Lower Upper

75 100

155 77.4 48.6 145.8

157 97.9 62.7 188.2



#95

Naphthalene

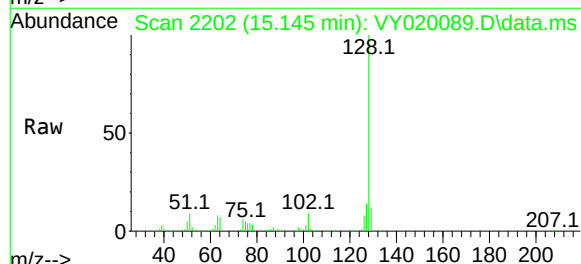
Concen: 66.474 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY020089.D

Acq: 31 Oct 2024 13:05



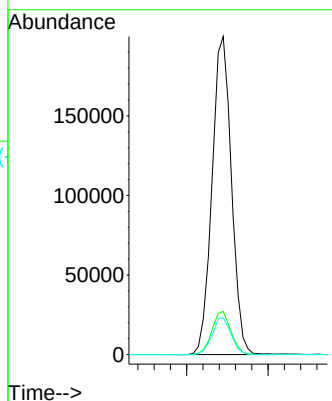
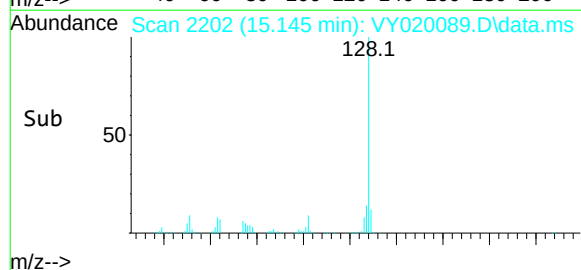
Tgt Ion: 128 Resp: 330910

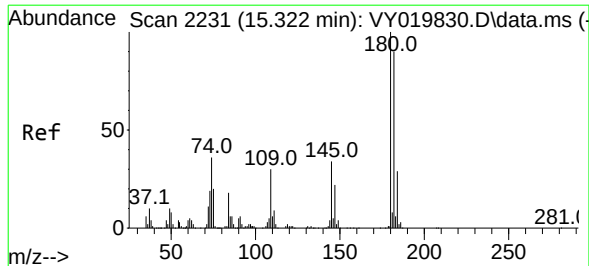
Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 11.4 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 115.229 ug/l

RT: 15.328 min Scan# 22

Delta R.T. 0.000 min

Lab File: VY020089.D

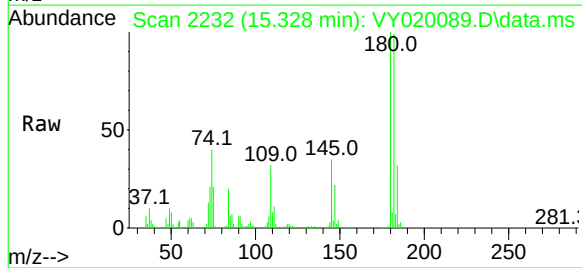
Acq: 31 Oct 2024 13:05

Instrument :

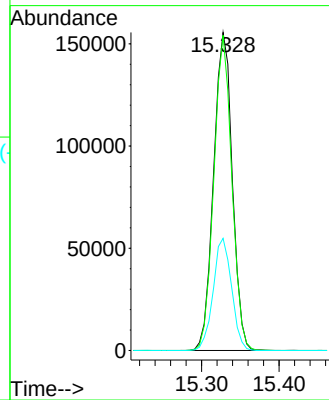
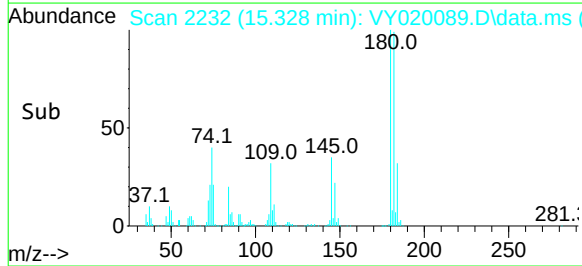
MSVOA_Y

ClientSampleId :

PT-VOA-SOIL



Tgt Ion:	180	Resp:	260484
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.6	142.9
145	34.9	15.4	46.1



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.30	UD	3.30	10.0	ug/Kg
74-87-3	Chloromethane	2.30	UD	2.30	10.0	ug/Kg
75-01-4	Vinyl Chloride	1.50	UD	1.50	10.0	ug/Kg
141-78-6	Ethyl Acetate	2.20	UD	2.20	10.0	ug/Kg
108-21-4	Isopropyl Acetate	1.70	UD	1.70	10.0	ug/Kg
74-83-9	Bromomethane	2.10	UD	2.10	10.0	ug/Kg
75-00-3	Chloroethane	2.00	UD	2.00	10.0	ug/Kg
109-99-9	Tetrahydrofuran	10.5	UDQ	10.5	50.0	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	UD	1.80	10.0	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	UD	2.10	10.0	ug/Kg
75-65-0	Tert butyl alcohol	31.2	UD	31.2	50.0	ug/Kg
60-29-7	Diethyl Ether	1.30	UDQ	1.30	10.0	ug/Kg
75-35-4	1,1-Dichloroethene	120	D	1.60	10.0	ug/Kg
107-02-8	Acrolein	11.7	UD	11.7	50.0	ug/Kg
107-13-1	Acrylonitrile	10.0	UD	10.0	50.0	ug/Kg
67-64-1	Acetone	300	D	12.5	50.0	ug/Kg
75-15-0	Carbon Disulfide	2.60	UD	2.60	10.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	140	D	1.30	10.0	ug/Kg
79-20-9	Methyl Acetate	3.60	UD	3.60	10.0	ug/Kg
75-09-2	Methylene Chloride	6.80	UD	6.80	20.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	26.7	D	1.70	10.0	ug/Kg
108-05-4	Vinyl Acetate	5.70	UD	5.70	50.0	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	UD	1.30	10.0	ug/Kg
110-82-7	Cyclohexane	1.40	UD	1.40	10.0	ug/Kg
78-93-3	2-Butanone	180	D	11.4	50.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	UD	1.70	10.0	ug/Kg
594-20-7	2,2-Dichloropropane	3.20	UD	3.20	10.0	ug/Kg
540-59-0	Total 1,2-Dichloroethene	26.7	D	2.90	20.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.20	UD	1.20	10.0	ug/Kg
74-97-5	Bromochloromethane	4.80	UD	4.80	10.0	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	190	D	1.30	10.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	110	D	1.60	10.0	ug/Kg
108-87-2	Methylcyclohexane	1.70	UD	1.70	10.0	ug/Kg
563-58-6	1,1-Dichloropropene	1.50	UD	1.50	10.0	ug/Kg
71-43-2	Benzene	120	D	1.40	10.0	ug/Kg
107-06-2	1,2-Dichloroethane	150	D	1.20	10.0	ug/Kg
79-01-6	Trichloroethene	66.5	D	1.50	10.0	ug/Kg
78-87-5	1,2-Dichloropropane	36.0	D	1.30	10.0	ug/Kg
74-95-3	Dibromomethane	31.0	D	1.20	10.0	ug/Kg
75-27-4	Bromodichloromethane	46.1	D	1.10	10.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	460	D	8.70	50.0	ug/Kg
80-62-6	Methyl methacrylate	1.50	UD	1.50	10.0	ug/Kg
108-88-3	Toluene	67.6	D	1.30	10.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	43.4	D	1.20	10.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	130	D	1.10	10.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	58.7	D	1.70	10.0	ug/Kg
142-28-9	1,3-Dichloropropane	1.20	UD	1.20	10.0	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	25.6	UD	25.6	50.0	ug/Kg
591-78-6	2-Hexanone	420	D	9.60	50.0	ug/Kg
124-48-1	Dibromochloromethane	1.30	UD	1.30	10.0	ug/Kg
106-93-4	1,2-Dibromoethane	76.8	D	1.60	10.0	ug/Kg
127-18-4	Tetrachloroethene	1.80	UD	1.80	10.0	ug/Kg
108-90-7	Chlorobenzene	1.50	UD	1.50	10.0	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	170	D	1.30	10.0	ug/Kg
67-72-1	Hexachloroethane	1.60	UD	1.60	10.0	ug/Kg
100-41-4	Ethyl Benzene	130	D	1.20	10.0	ug/Kg
179601-23-1	m/p-Xylenes	100	D	2.70	20.0	ug/Kg
1330-20-7	Total Xylenes	210	D	4.10	30.0	ug/Kg
95-47-6	o-Xylene	110	D	1.40	10.0	ug/Kg
100-42-5	Styrene	180	D	1.20	10.0	ug/Kg
75-25-2	Bromoform	92.0	D	1.60	10.0	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	1.30	UD	1.30	10.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	78.9	D	2.20	10.0	ug/Kg
96-18-4	1,2,3-Trichloropropane	2.30	UD	2.30	10.0	ug/Kg
108-86-1	Bromobenzene	1.30	UD	1.30	10.0	ug/Kg
103-65-1	n-propylbenzene	1.30	UD	1.30	10.0	ug/Kg
95-49-8	2-Chlorotoluene	1.20	UD	1.20	10.0	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1.30	UD	1.30	10.0	ug/Kg
106-43-4	4-Chlorotoluene	1.20	UD	1.20	10.0	ug/Kg
98-06-6	tert-Butylbenzene	60.6	D	1.30	10.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	140	D	2.70	10.0	ug/Kg
135-98-8	sec-Butylbenzene	1.30	UD	1.30	10.0	ug/Kg
99-87-6	p-Isopropyltoluene	1.20	UD	1.20	10.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	UD	1.50	10.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	D	1.60	10.0	ug/Kg
104-51-8	n-Butylbenzene	1.30	UD	1.30	10.0	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	UD	1.20	10.0	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	110	D	3.10	10.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	UD	1.60	10.0	ug/Kg
87-68-3	Hexachlorobutadiene	1.60	UD	1.60	10.0	ug/Kg
91-20-3	Naphthalene	60.4	D	3.00	10.0	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	110	D	1.60	10.0	ug/Kg
628-63-7	N-amyl acetate	1.90	UD	1.90	10.0	ug/Kg
74-88-4	Methyl Iodide	1.60	UD	1.60	10.0	ug/Kg
107-05-1	Allyl chloride	1.10	UD	1.10	10.0	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	1.60	UD	1.60	10.0	ug/Kg
126-98-7	Methacrylonitrile	3.00	UDQ	3.00	10.0	ug/Kg
97-63-2	Ethyl methacrylate	1.50	UD	1.50	10.0	ug/Kg
108-20-3	Diisopropyl ether	1.10	UD	1.10	10.0	ug/Kg
123-91-1	1,4-Dioxane	85.0	UD	85.0	200	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		50 - 163	101%	SPK: 50

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOCMS Group1
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	48.2		54 - 147	96%	SPK: 50
2037-26-5	Toluene-d8	48.7		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		29 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	7.713			
540-36-3	1,4-Difluorobenzene	460000	8.616			
3114-55-4	Chlorobenzene-d5	397000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	184000	13.34			

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_Y\Data\VY103124\
 Data File : VY020091.D
 Acq On : 31 Oct 2024 13:51
 Operator : SY/MD
 Sample : P4495-23DL 2X
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: Nov 01 03:47:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	252068	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	460288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	183872	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158201	50.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.580%
35) Dibromofluoromethane	7.634	113	141164	48.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.480%
50) Toluene-d8	10.103	98	566848	48.661	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.401	95	184583	48.784	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	97.560%

Target Compounds					Qvalue	
12) 1,1-Dichloroethene	3.793	96	164123	60.336	ug/l	# 77
16) Acetone	3.873	43	109277	149.365	ug/l	# 82
19) Methyl tert-butyl Ether	5.116	73	462349	67.562	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	40921	13.339	ug/l	# 83
25) 2-Butanone	6.902	43	90585	91.340	ug/l	# 80
30) Chloroform	7.421	83	546768	93.436	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	289988	56.760	ug/l	# 94
40) Benzene	8.079	78	789148	59.805	ug/l	99
42) 1,2-Dichloroethane	8.158	62	264943	72.538	ug/l	94
44) Trichloroethene	8.866	130	101714	33.259	ug/l	87
45) 1,2-Dichloropropane	9.140	63	56760	17.979	ug/l	# 88
46) Dibromomethane	9.231	93	26552	15.522	ug/l	# 87
47) Bromodichloromethane	9.420	83	103323	23.056	ug/l	# 97
51) 4-Methyl-2-Pentanone	9.999	43	495824	232.169	ug/l	88
52) Toluene	10.170	92	274868	33.793	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	85858	21.696	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	309171	65.456	ug/l	# 84
55) 1,1,2-Trichloroethane	10.573	97	62408	29.342	ug/l	93
59) 2-Hexanone	10.762	43	321503	209.985	ug/l	86
61) 1,2-Dibromoethane	11.011	107	75850	38.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	232261	85.879	ug/l	99
67) Ethyl Benzene	11.517	91	1063125	67.185	ug/l	99
68) m/p-Xylenes	11.627	106	290442	50.168	ug/l	90
69) o-Xylene	11.950	106	297016	54.188	ug/l	93
70) Styrene	11.969	104	806937	89.039	ug/l	96
71) Bromoform	12.127	173	63788	45.975	ug/l	# 95
75) 1,1,2,2-Tetrachloroethane	12.505	83	101303	39.435	ug/l	98
83) tert-Butylbenzene	12.993	119	312380	30.294	ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	792287	67.832	ug/l	95
88) 1,4-Dichlorobenzene	13.365	146	392213	65.262	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20839	53.490	ug/l	74
95) Naphthalene	15.145	128	159157	30.215	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	128558	53.745	ug/l	96

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

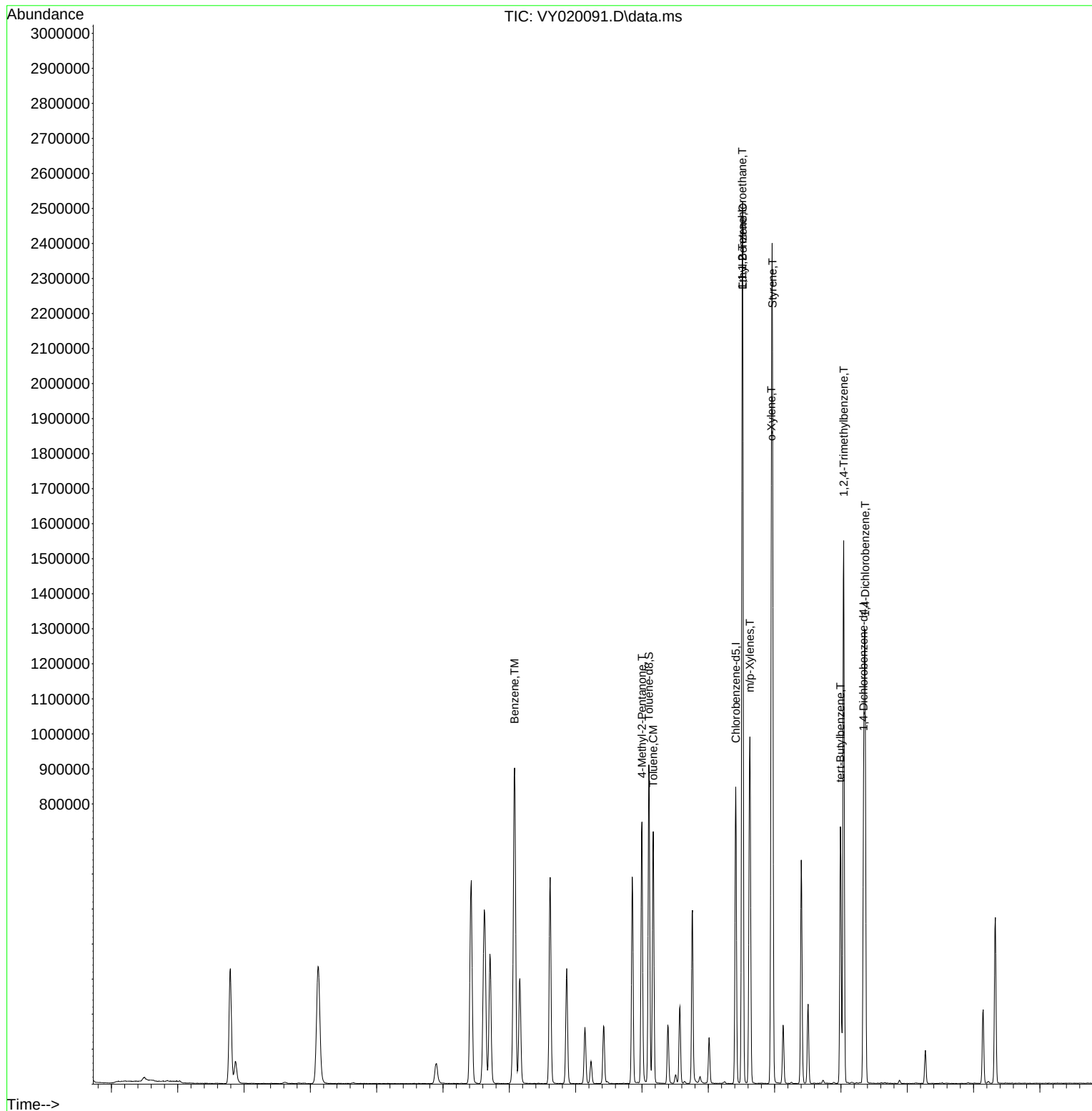
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MSVOA_Y
ClientSampleId :
PT-VOA-SOILD

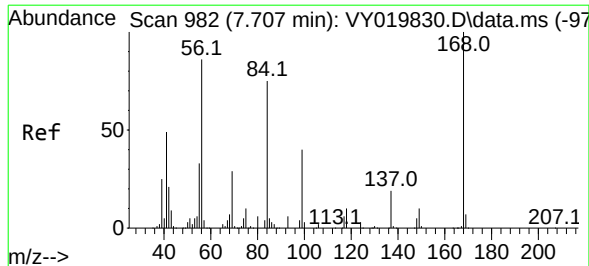
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- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020091.D
Acq On : 31 Oct 2024 13:51
Operator : SY/MD
Sample : P4495-23DL 2X
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILD

Quant Time: Nov 01 03:47:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 98

Delta R.T. 0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

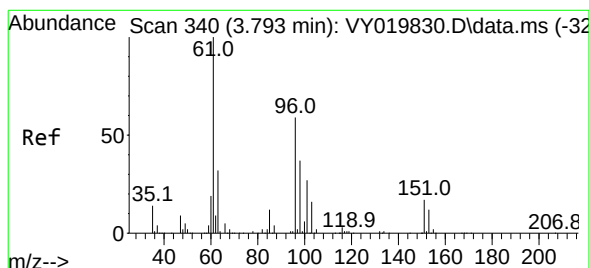
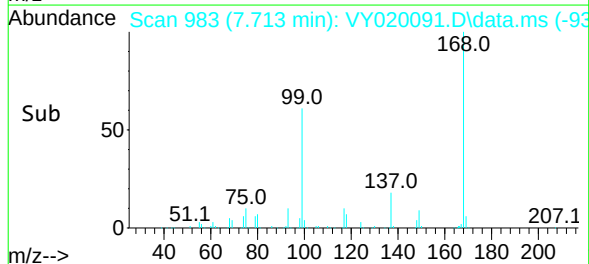
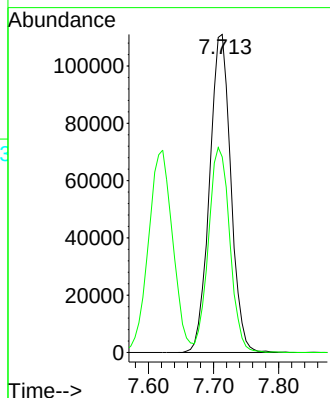
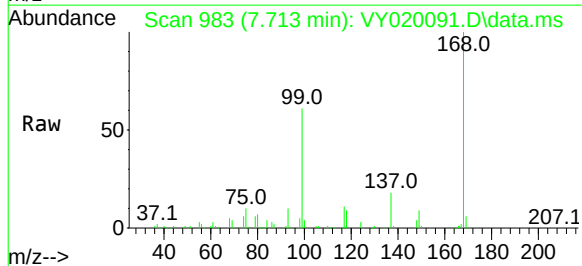
PT-VOA-SOILDL

Tgt Ion:168 Resp: 252068

Ion Ratio Lower Upper

168 100

99 61.4 39.1 58.7#



#12

1,1-Dichloroethene

Concen: 60.336 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

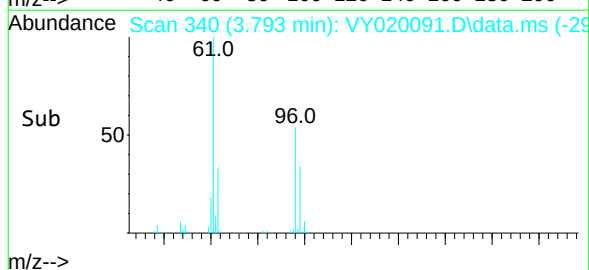
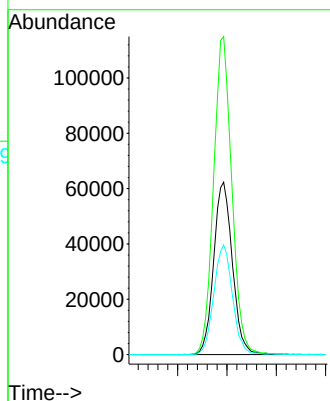
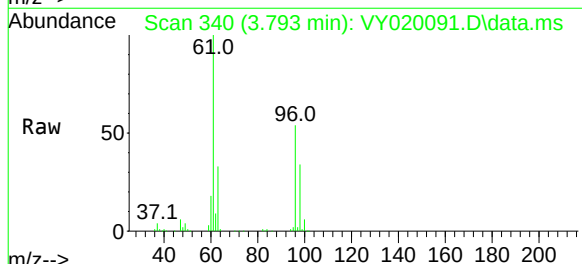
Tgt Ion: 96 Resp: 164123

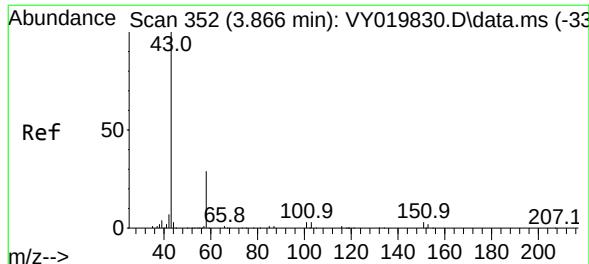
Ion Ratio Lower Upper

96 100

61 184.4 114.6 171.8#

98 63.6 50.8 76.2





#16

Acetone

Concen: 149.365 ug/l

RT: 3.873 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

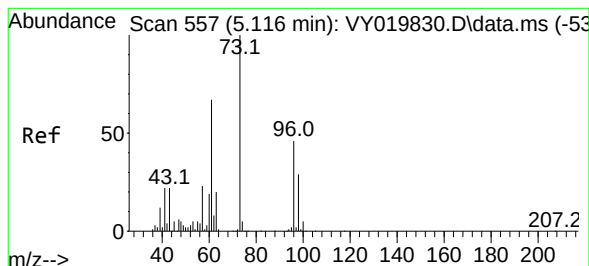
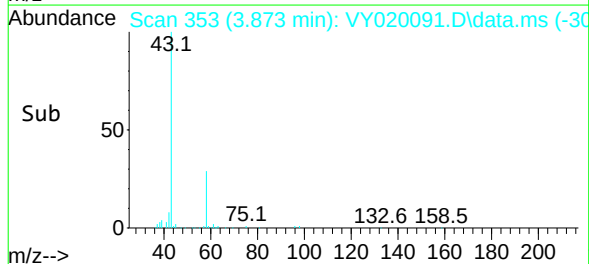
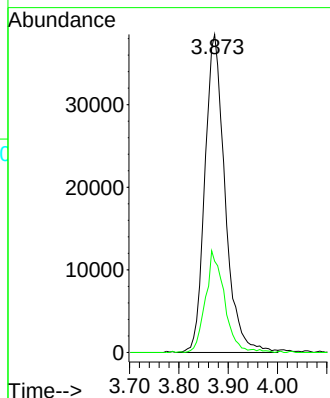
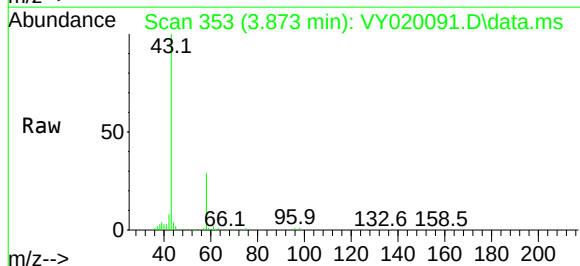
PT-VOA-SOILDL

Tgt Ion: 43 Resp: 109277

Ion Ratio Lower Upper

43 100

58 28.5 31.7 47.5#



#19

Methyl tert-butyl Ether

Concen: 67.562 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY020091.D

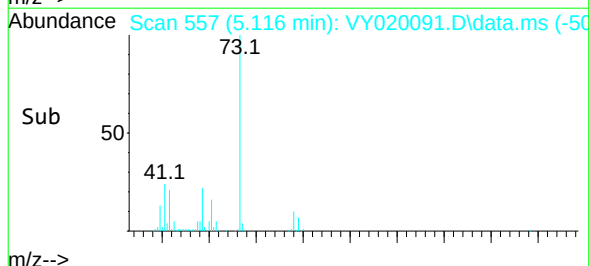
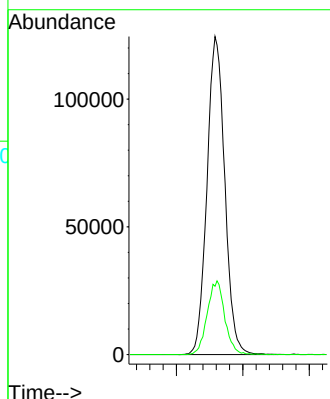
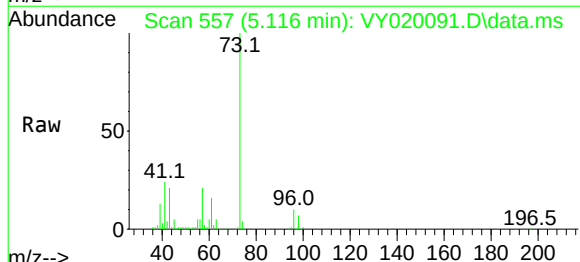
Acq: 31 Oct 2024 13:51

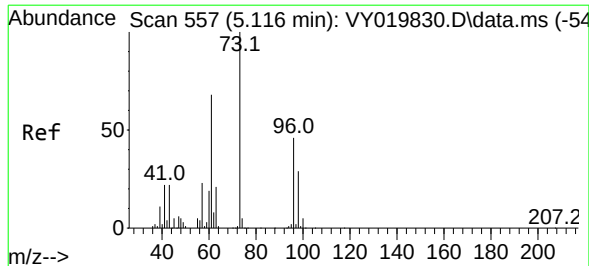
Tgt Ion: 73 Resp: 462349

Ion Ratio Lower Upper

73 100

57 21.5 17.3 25.9





#21

trans-1,2-Dichloroethene

Concen: 13.339 ug/l

RT: 5.122 min Scan# 557

Delta R.T. 0.013 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

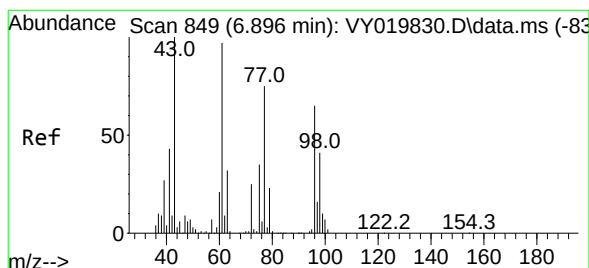
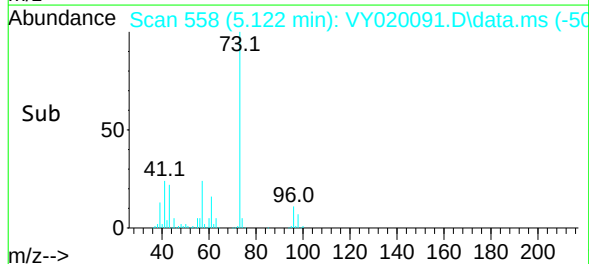
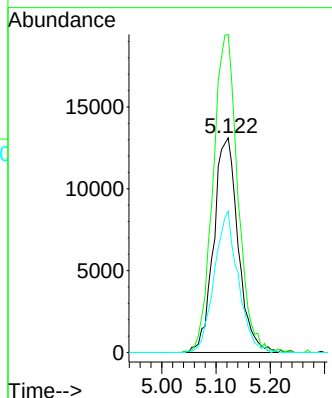
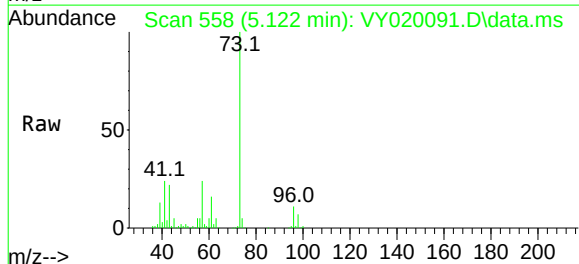
Tgt Ion: 96 Resp: 40921

Ion Ratio Lower Upper

96 100

61 148.2 97.5 146.3#

98 65.8 50.5 75.7



#25

2-Butanone

Concen: 91.340 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY020091.D

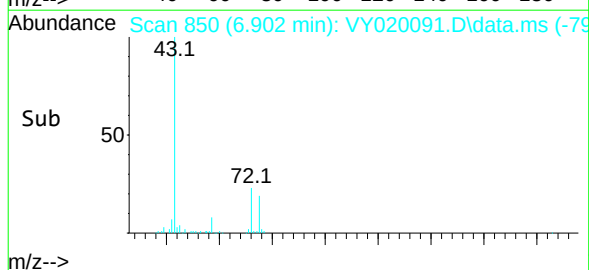
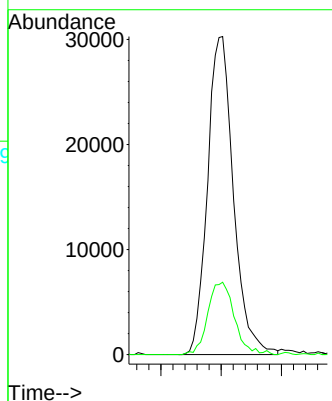
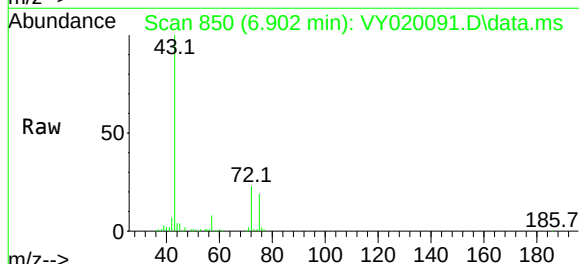
Acq: 31 Oct 2024 13:51

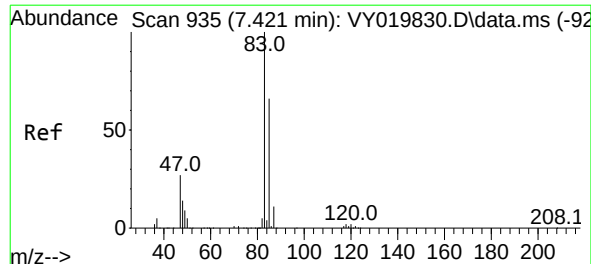
Tgt Ion: 43 Resp: 90585

Ion Ratio Lower Upper

43 100

72 22.7 27.3 40.9#





#30

Chloroform

Concen: 93.436 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

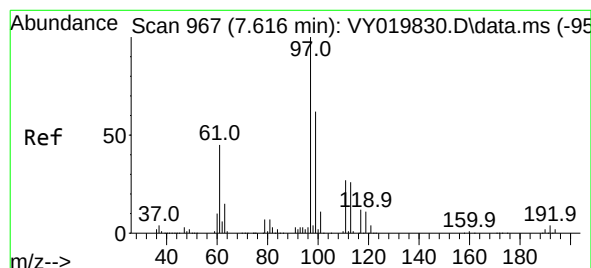
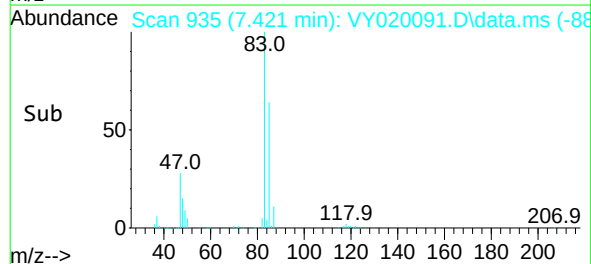
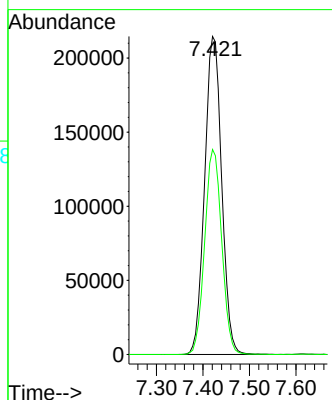
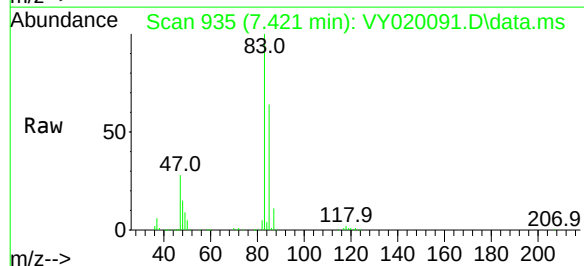
PT-VOA-SOILDL

Tgt Ion: 83 Resp: 546768

Ion Ratio Lower Upper

83 100

85 64.4 52.2 78.4



#32

1,1,1-Trichloroethane

Concen: 56.760 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

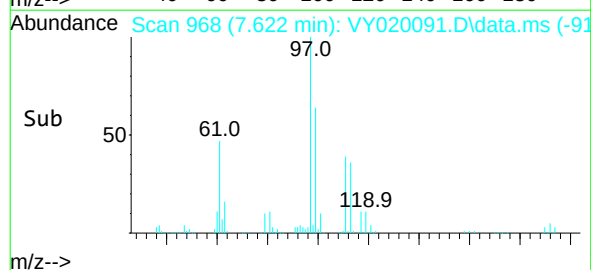
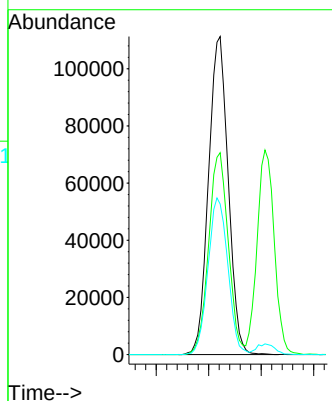
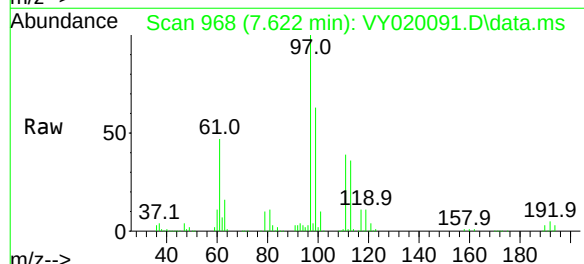
Tgt Ion: 97 Resp: 289988

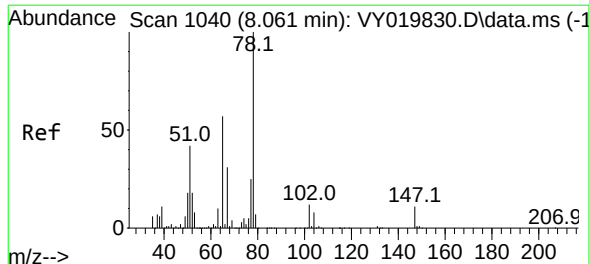
Ion Ratio Lower Upper

97 100

99 63.6 50.3 75.5

61 49.7 32.6 48.8#

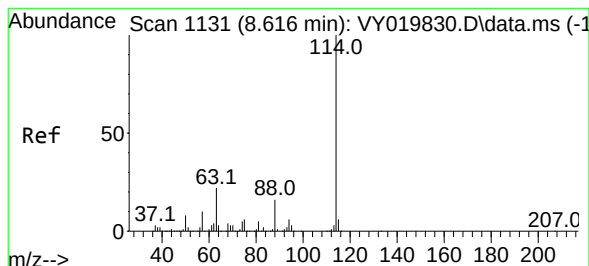
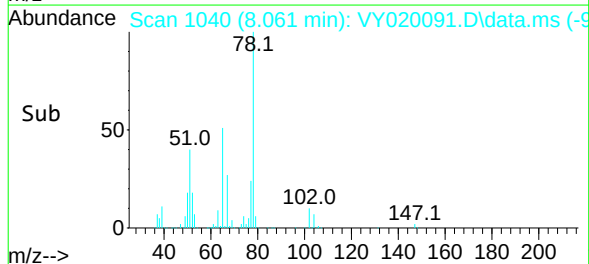
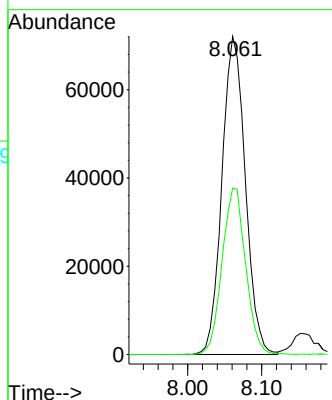
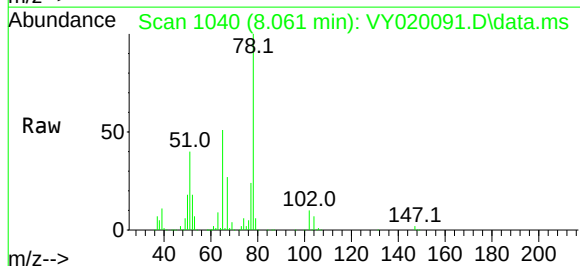




#33
1,2-Dichloroethane-d4
Concen: 50.287 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020091.D
Acq: 31 Oct 2024 13:51

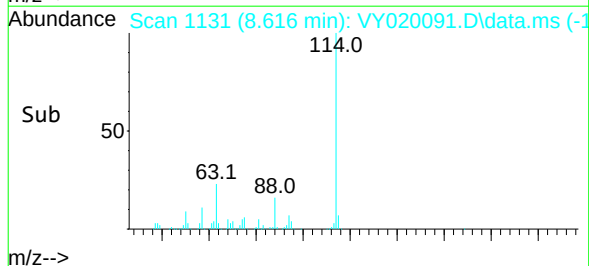
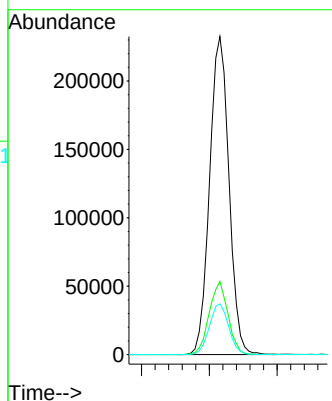
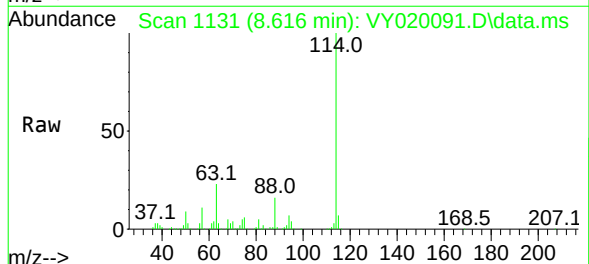
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILD

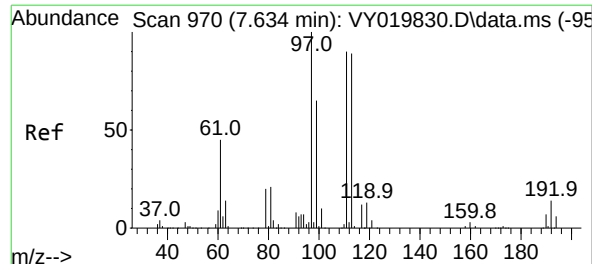
Tgt Ion: 65 Resp: 158201
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020091.D
Acq: 31 Oct 2024 13:51

Tgt Ion: 114 Resp: 460288
Ion Ratio Lower Upper
114 100
63 23.0 0.0 35.0
88 16.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 48.237 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

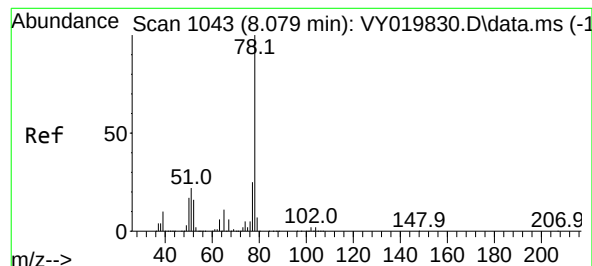
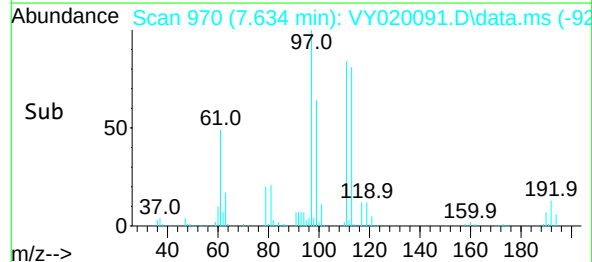
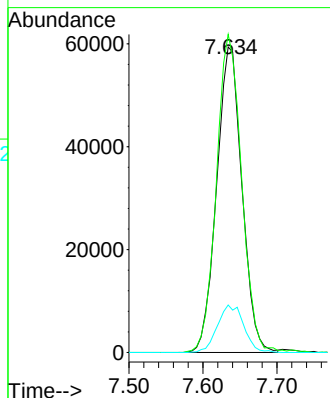
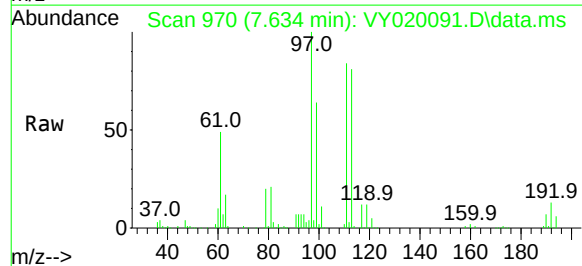
Tgt Ion:113 Resp: 141164

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 16.2 15.9 23.9



#40

Benzene

Concen: 59.805 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020091.D

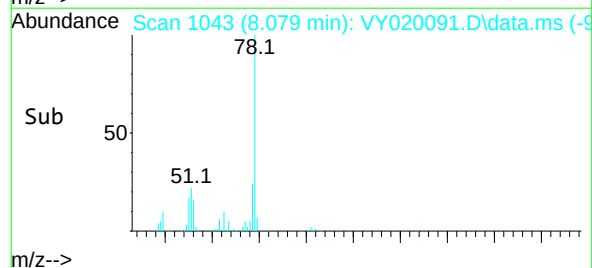
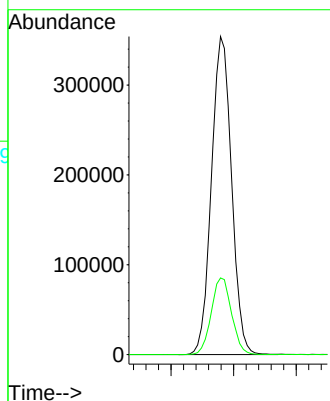
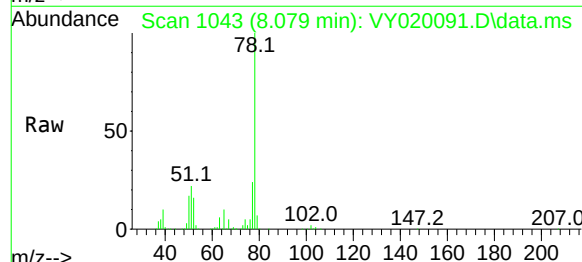
Acq: 31 Oct 2024 13:51

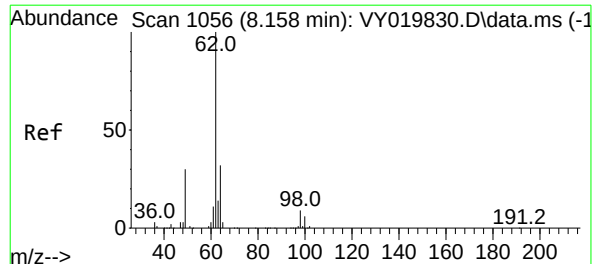
Tgt Ion: 78 Resp: 789148

Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3





#42

1,2-Dichloroethane

Concen: 72.538 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

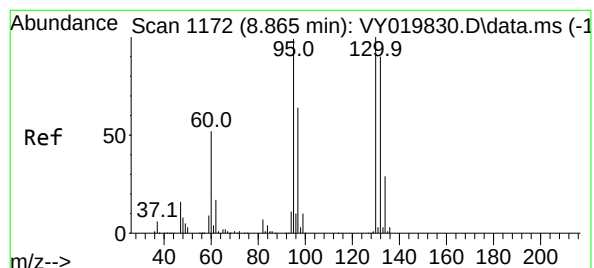
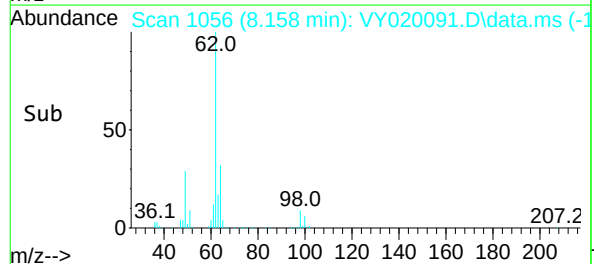
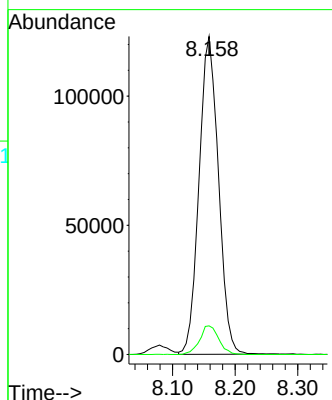
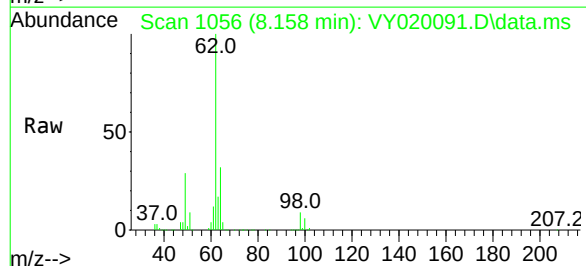
PT-VOA-SOILDL

Tgt Ion: 62 Resp: 264943

Ion Ratio Lower Upper

62 100

98 8.9 0.0 22.0



#44

Trichloroethene

Concen: 33.259 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY020091.D

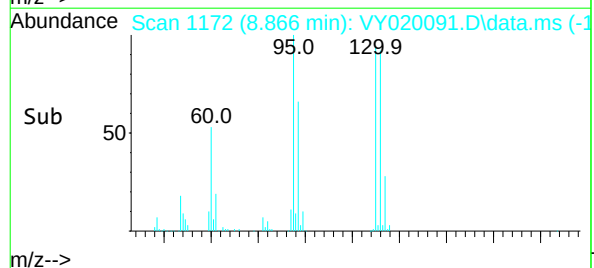
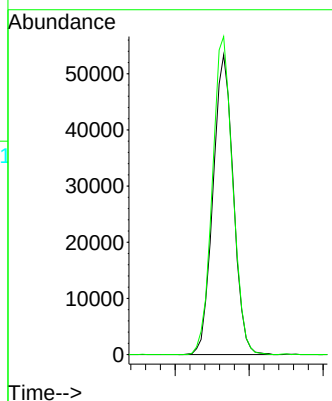
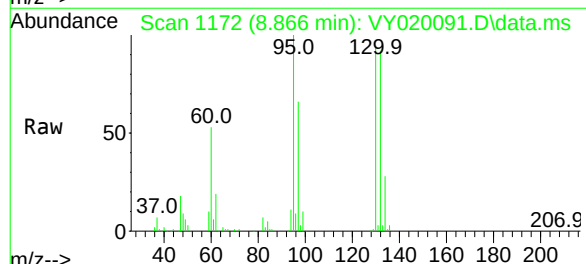
Acq: 31 Oct 2024 13:51

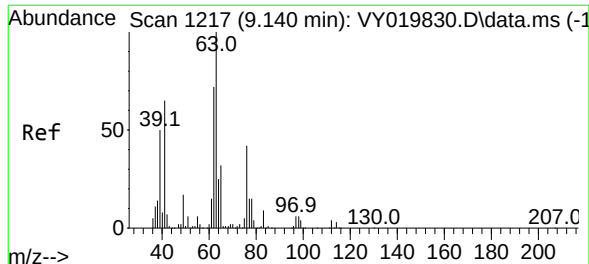
Tgt Ion:130 Resp: 101714

Ion Ratio Lower Upper

130 100

95 106.1 0.0 188.0





#45

1,2-Dichloropropane

Concen: 17.979 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

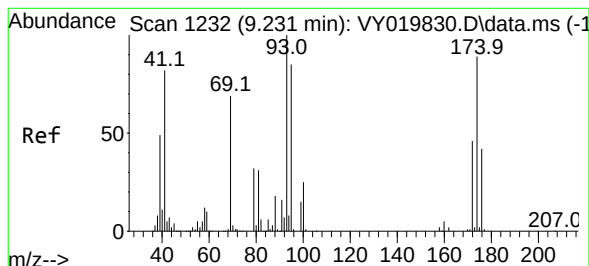
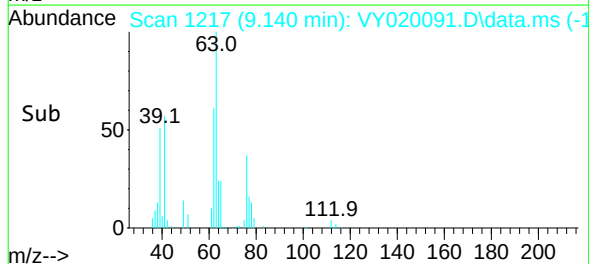
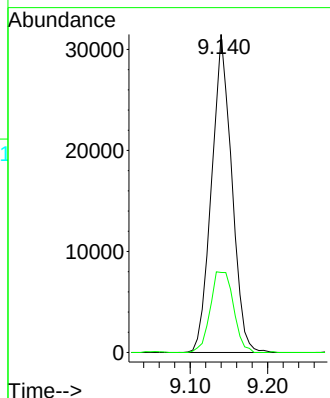
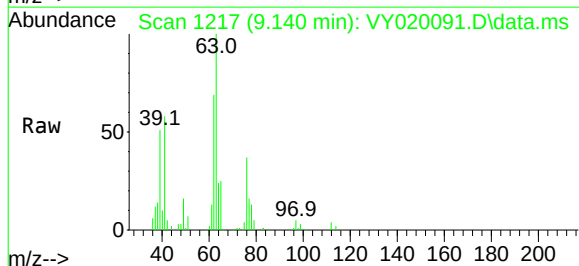
PT-VOA-SOILDL

Tgt Ion: 63 Resp: 56760

Ion Ratio Lower Upper

63 100

65 25.2 25.4 38.2#



#46

Dibromomethane

Concen: 15.522 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

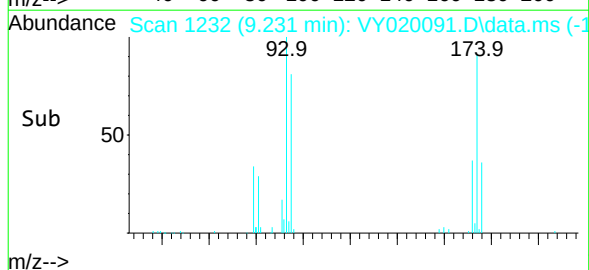
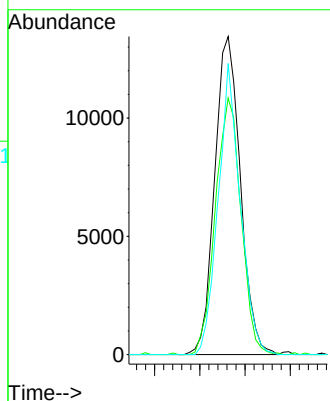
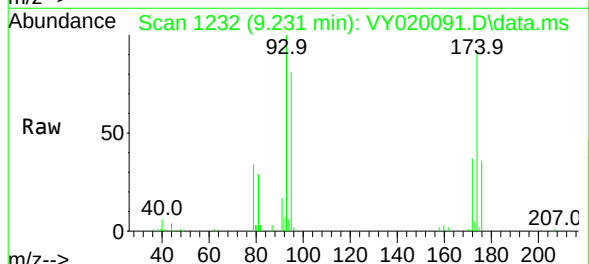
Tgt Ion: 93 Resp: 26552

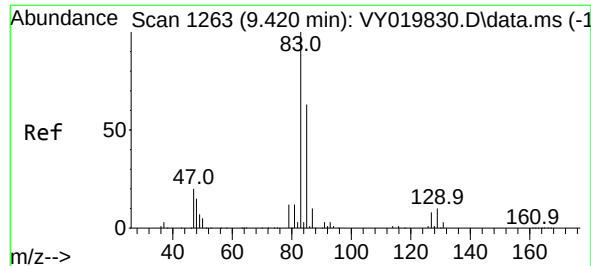
Ion Ratio Lower Upper

93 100

95 80.4 66.2 99.4

174 78.8 80.9 121.3#





#47

Bromodichloromethane

Concen: 23.056 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

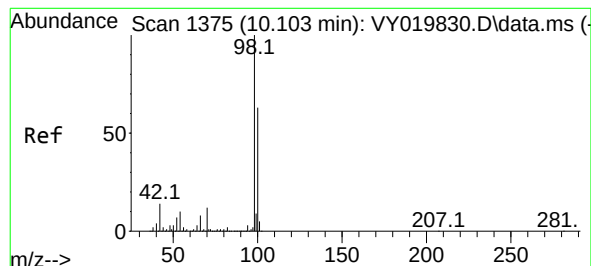
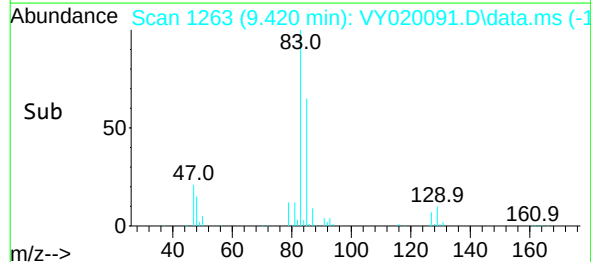
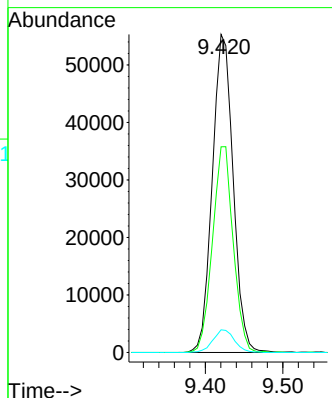
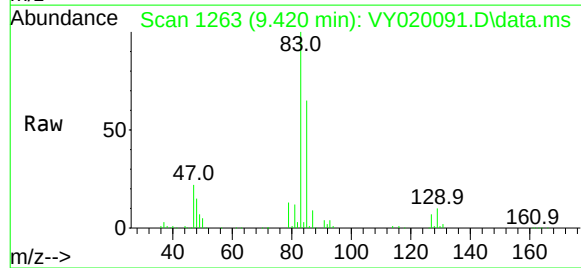
Tgt Ion: 83 Resp: 103323

Ion Ratio Lower Upper

83 100

85 64.7 50.1 75.1

127 7.1 7.4 11.0#



#50

Toluene-d8

Concen: 48.661 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020091.D

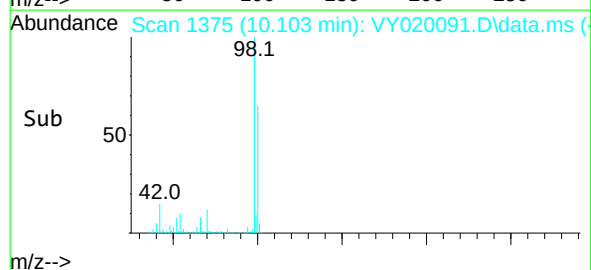
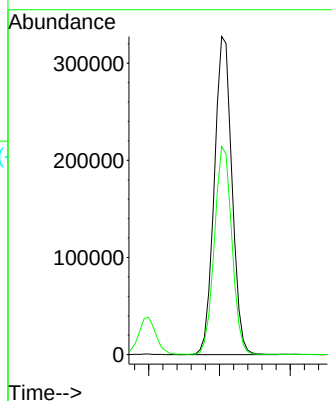
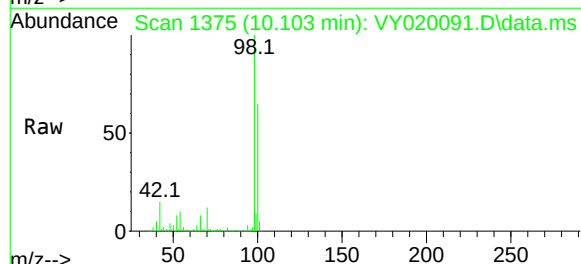
Acq: 31 Oct 2024 13:51

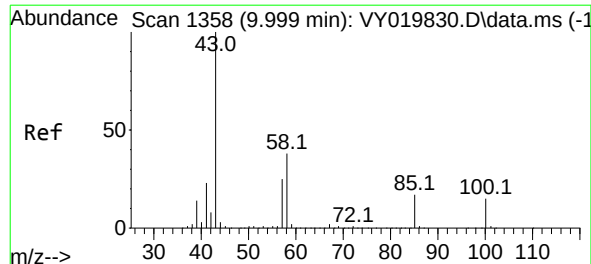
Tgt Ion: 98 Resp: 566848

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 232.169 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

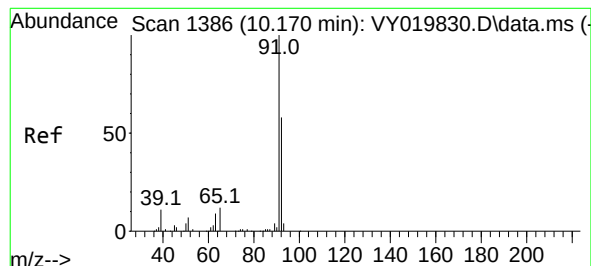
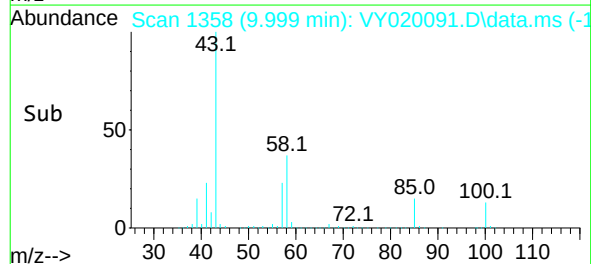
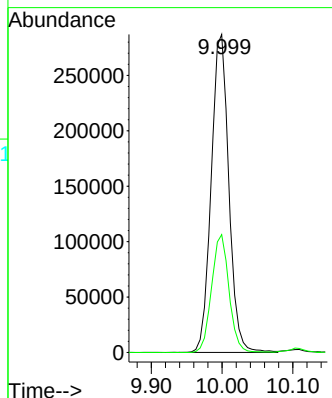
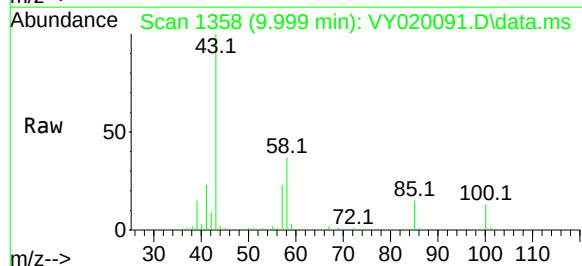
PT-VOA-SOILDL

Tgt Ion: 43 Resp: 495824

Ion Ratio Lower Upper

43 100

58 36.7 35.7 53.5



#52

Toluene

Concen: 33.793 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020091.D

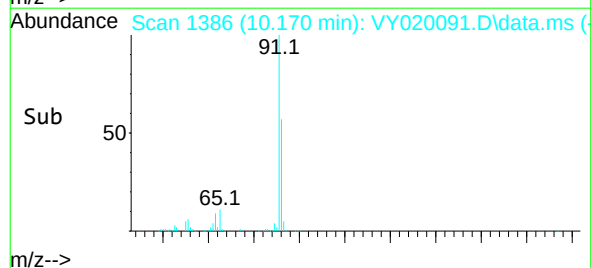
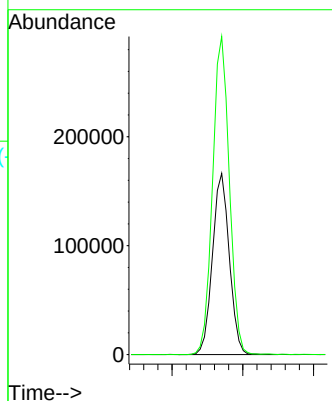
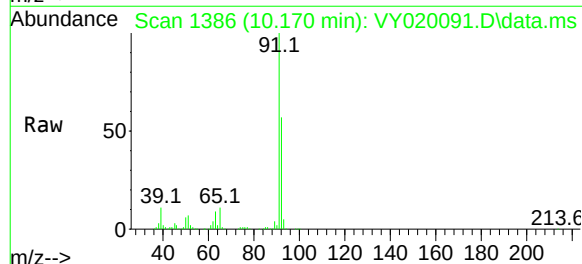
Acq: 31 Oct 2024 13:51

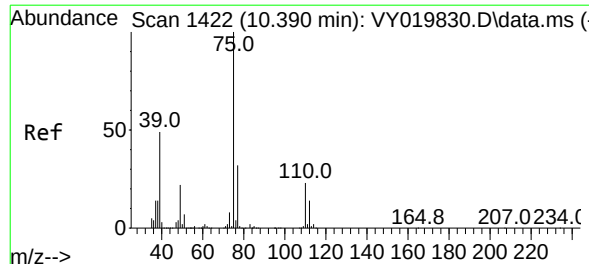
Tgt Ion: 92 Resp: 274868

Ion Ratio Lower Upper

92 100

91 174.7 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 21.696 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

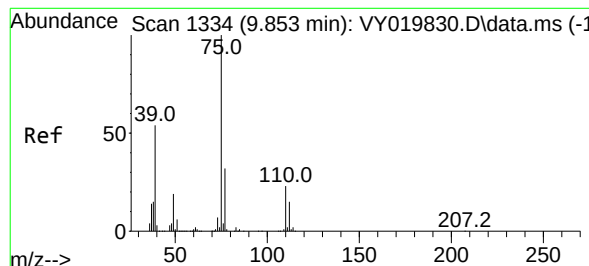
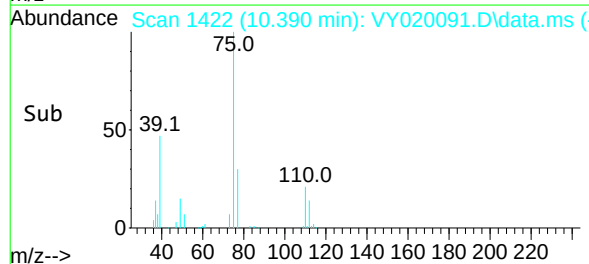
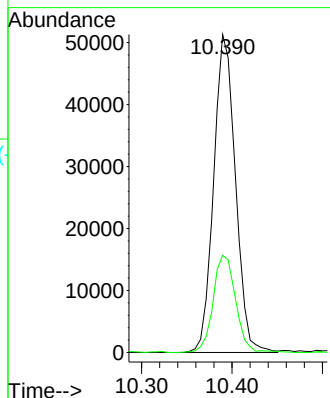
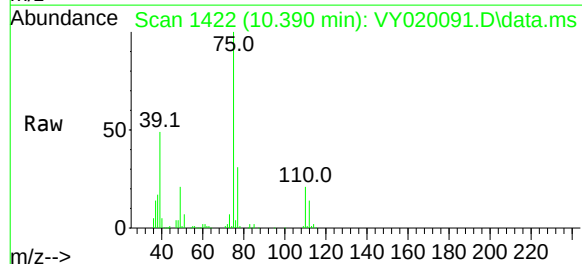
PT-VOA-SOILDL

Tgt Ion: 75 Resp: 85858

Ion Ratio Lower Upper

75 100

77 30.6 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 65.456 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

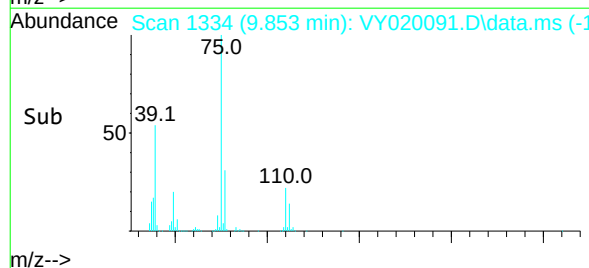
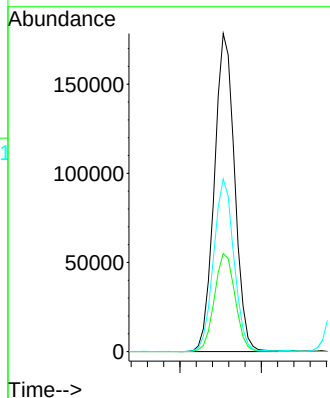
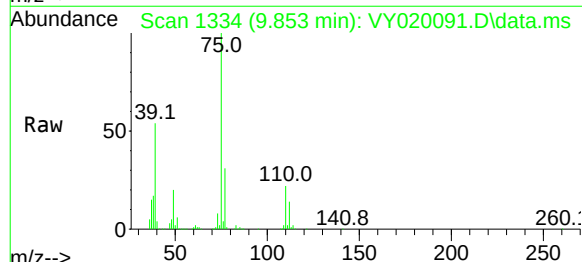
Tgt Ion: 75 Resp: 309171

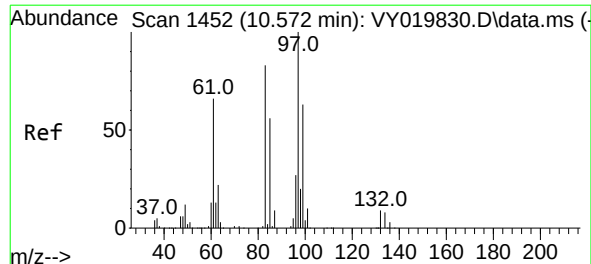
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 54.3 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 29.342 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

Tgt Ion: 97 Resp: 62408

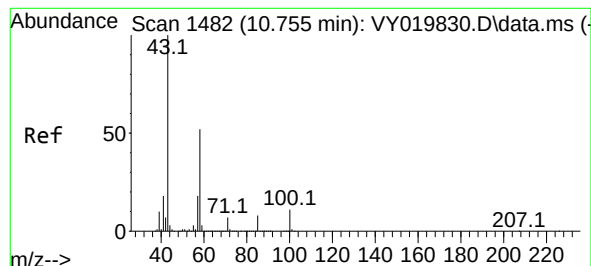
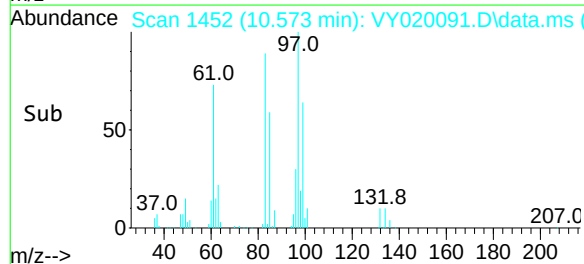
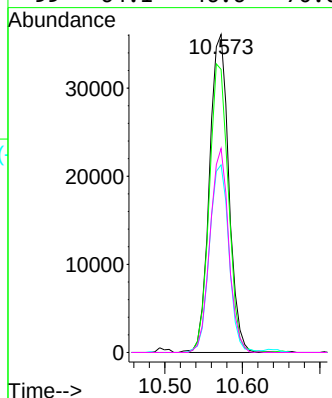
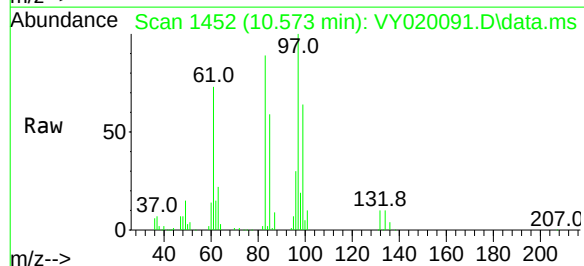
Ion Ratio Lower Upper

97 100

83 89.0 67.5 101.3

85 59.0 42.9 64.3

99 64.1 46.6 70.0



#59

2-Hexanone

Concen: 209.985 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY020091.D

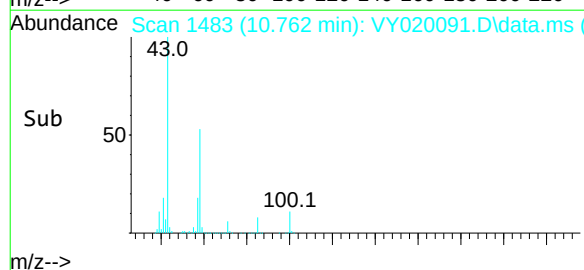
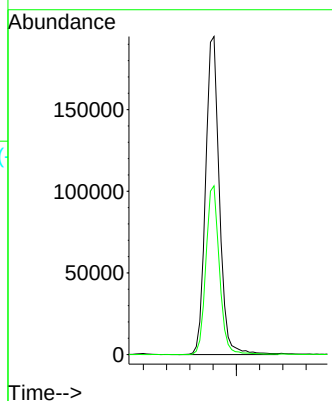
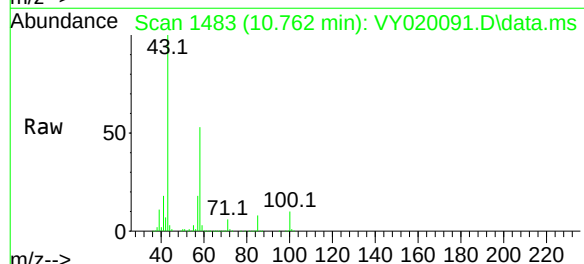
Acq: 31 Oct 2024 13:51

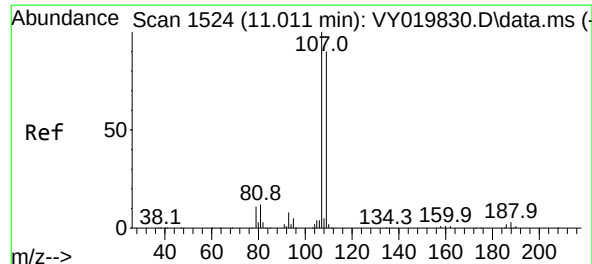
Tgt Ion: 43 Resp: 321503

Ion Ratio Lower Upper

43 100

58 51.8 31.4 94.0





#61

1,2-Dibromoethane

Concen: 38.385 ug/l

RT: 11.011 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

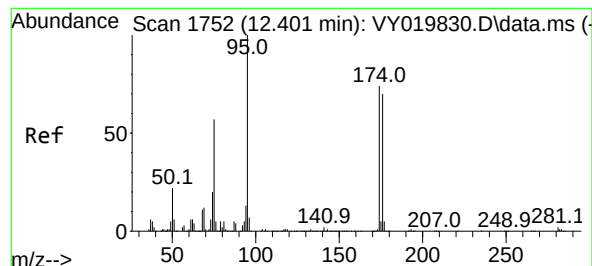
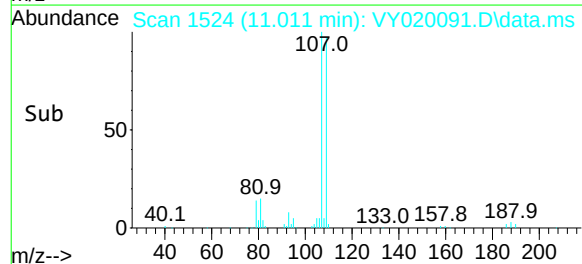
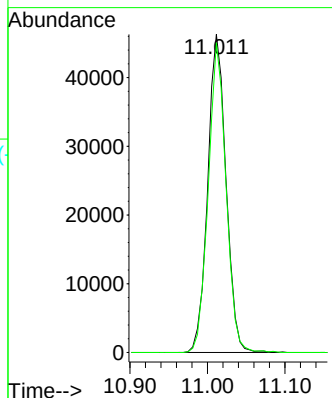
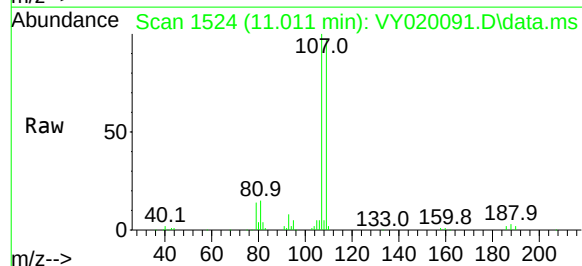
PT-VOA-SOILDL

Tgt Ion: 107 Resp: 75850

Ion Ratio Lower Upper

107 100

109 94.8 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.784 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

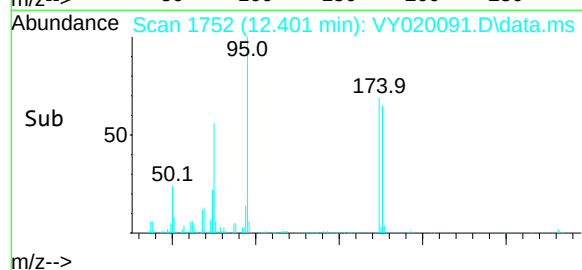
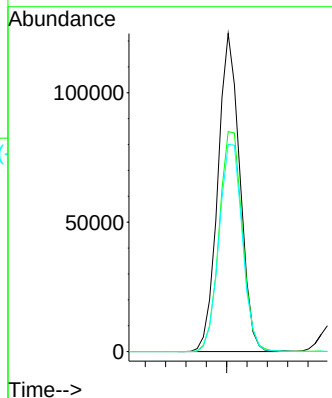
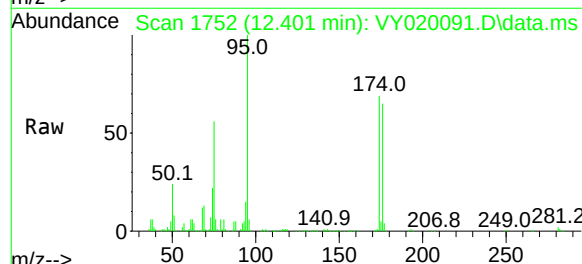
Tgt Ion: 95 Resp: 184583

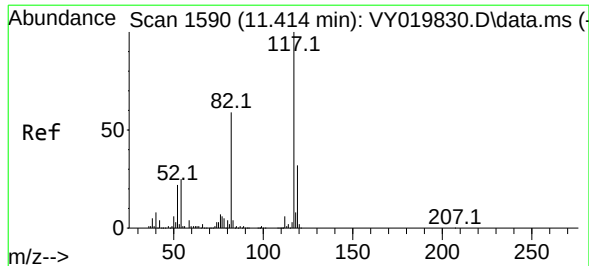
Ion Ratio Lower Upper

95 100

174 73.0 0.0 175.6

176 69.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

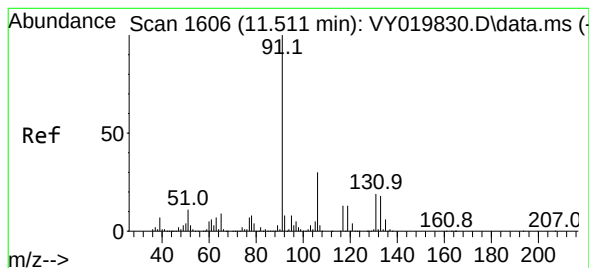
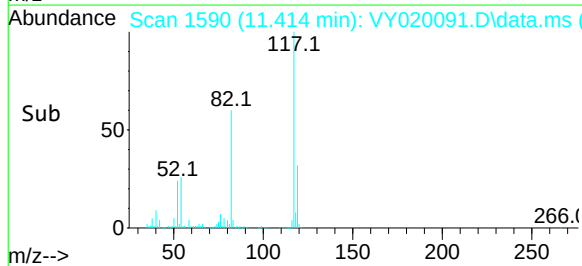
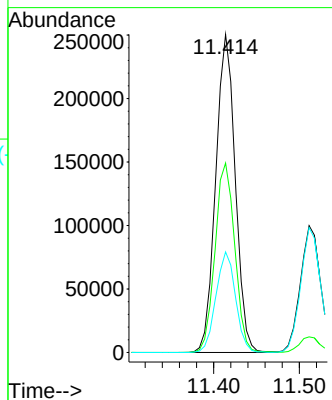
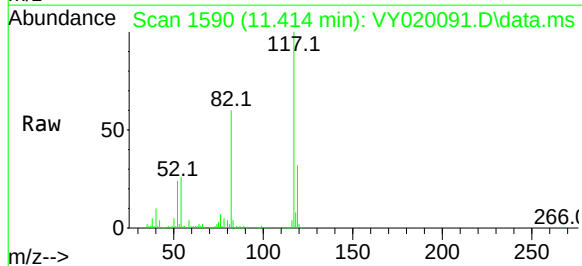
Tgt Ion:117 Resp: 397276

Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 31.6 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 85.879 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

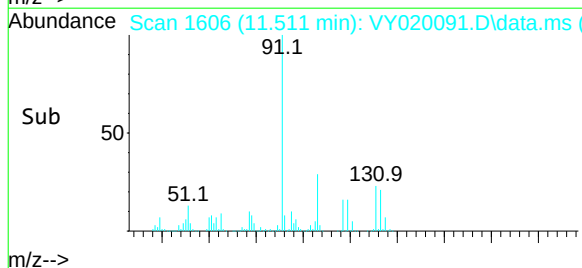
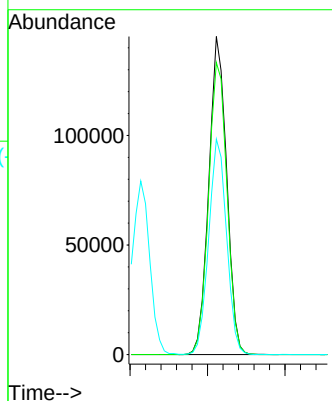
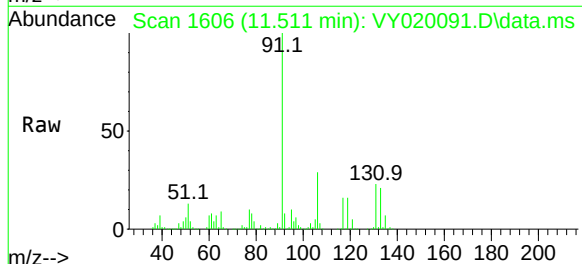
Tgt Ion:131 Resp: 232261

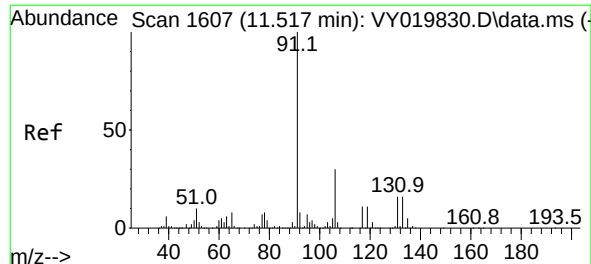
Ion Ratio Lower Upper

131 100

133 94.6 47.8 143.3

119 67.9 34.1 102.2





#67

Ethyl Benzene

Concen: 67.185 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

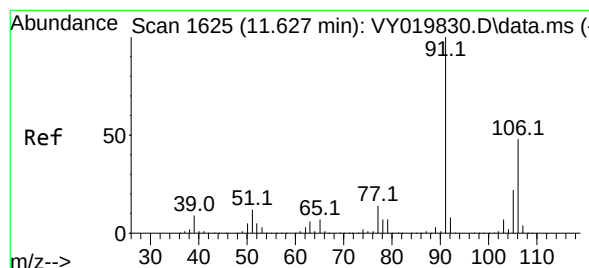
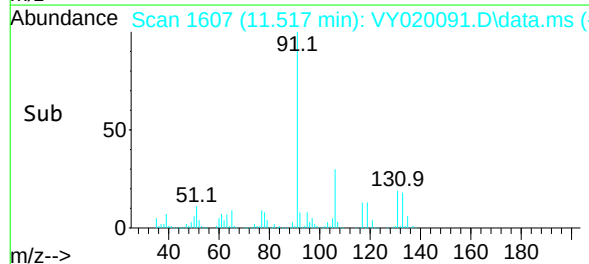
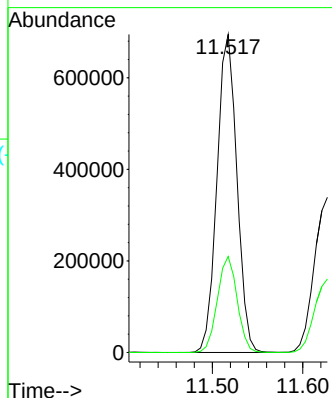
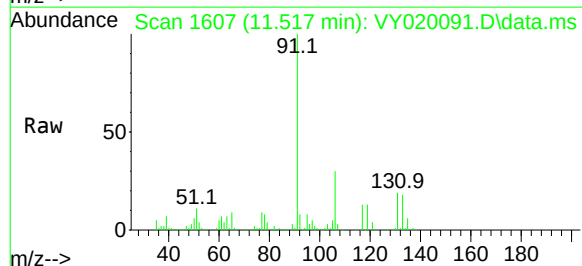
PT-VOA-SOILDL

Tgt Ion: 91 Resp: 1063125

Ion Ratio Lower Upper

91 100

106 30.2 24.5 36.7



#68

m/p-Xylenes

Concen: 50.168 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020091.D

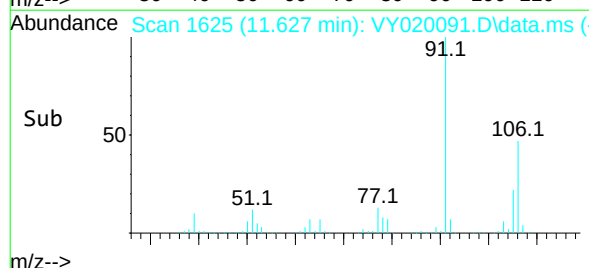
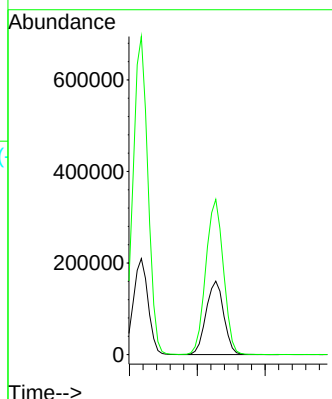
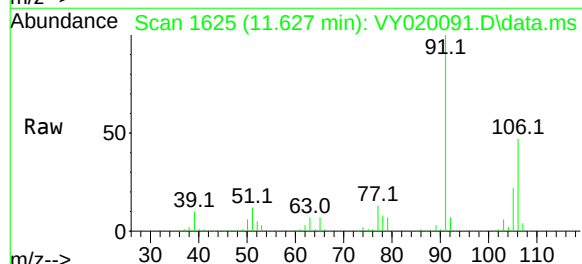
Acq: 31 Oct 2024 13:51

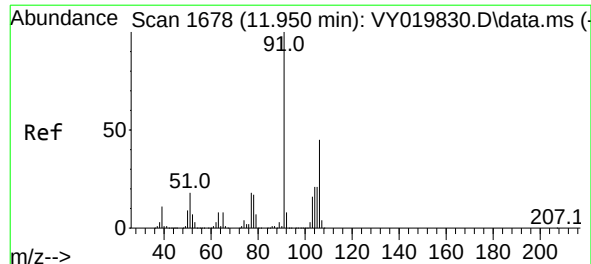
Tgt Ion: 106 Resp: 290442

Ion Ratio Lower Upper

106 100

91 210.1 156.0 234.0





#69

o-Xylene

Concen: 54.188 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

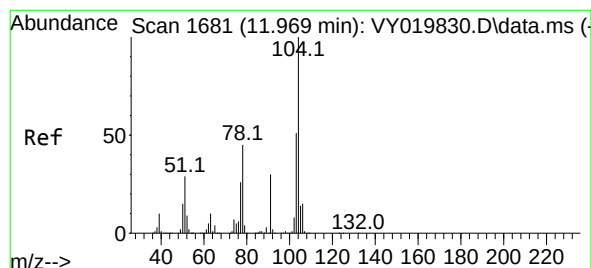
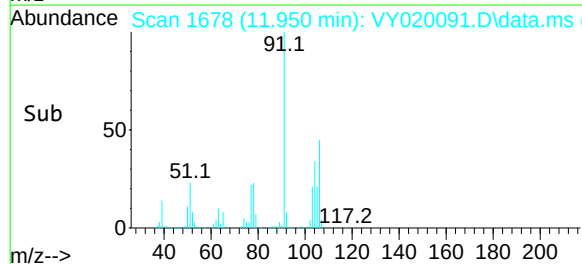
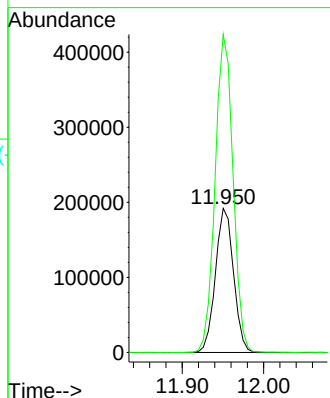
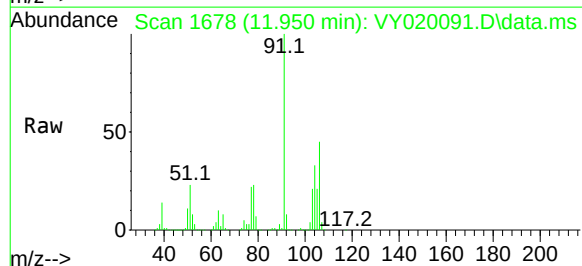
PT-VOA-SOILDL

Tgt Ion:106 Resp: 297016

Ion Ratio Lower Upper

106 100

91 218.7 103.6 310.8



#70

Styrene

Concen: 89.039 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

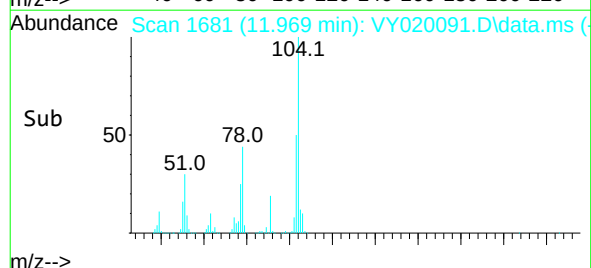
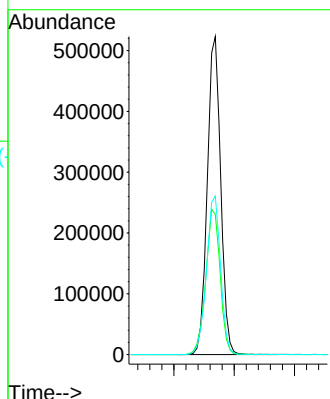
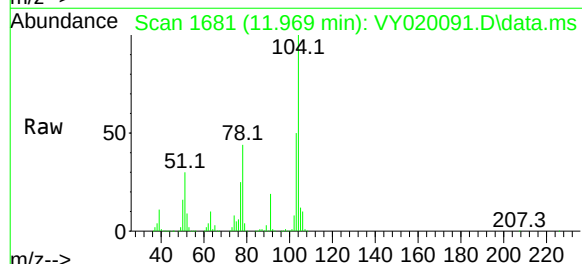
Tgt Ion:104 Resp: 806937

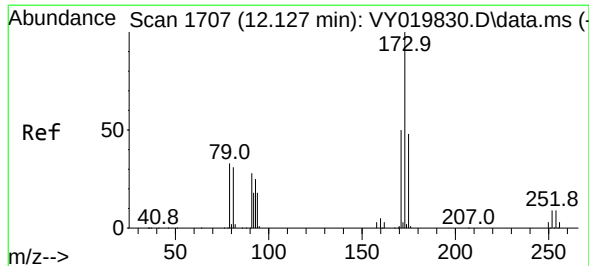
Ion Ratio Lower Upper

104 100

78 49.0 37.0 55.4

103 52.6 44.2 66.2





#71

Bromoform

Concen: 45.975 ug/l

RT: 12.127 min Scan# 1707

Delta R.T. -0.006 min

Lab File: VY020091.D

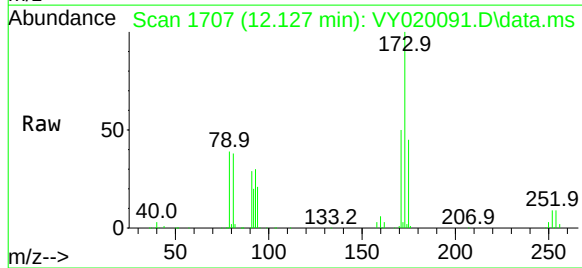
Acq: 31 Oct 2024 13:51

Instrument :

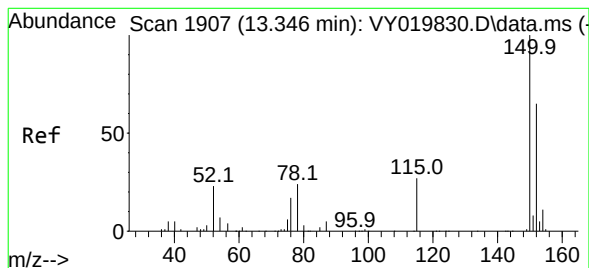
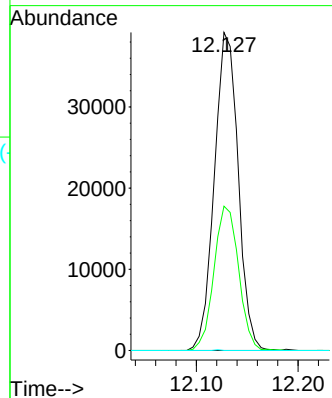
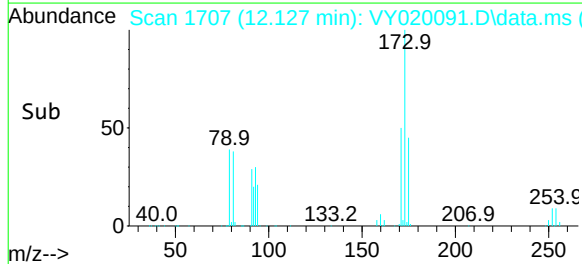
MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL



Tgt Ion:	173	Resp:	63788
Ion Ratio	Lower	Upper	
173	100		
175	47.0	25.1	75.3
254	0.1	0.0	0.0#



#72

1,4-Dichlorobenzene-d4

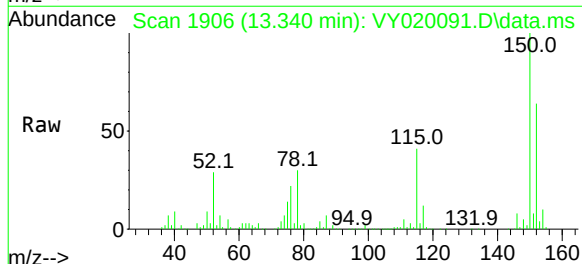
Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

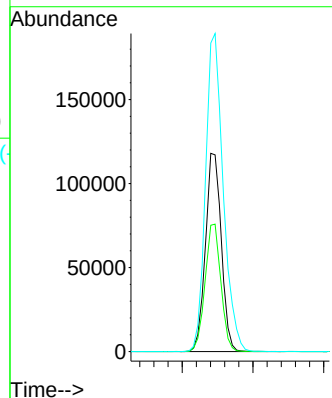
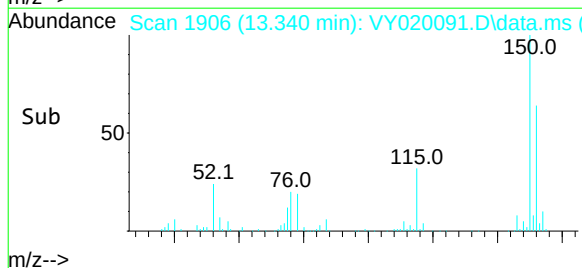
Delta R.T. -0.006 min

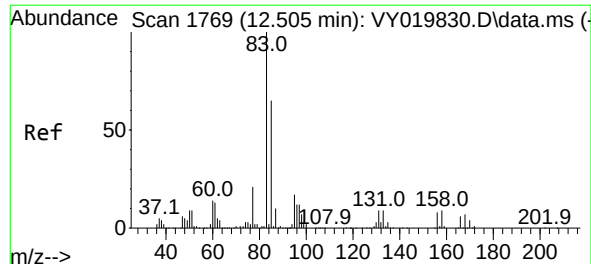
Lab File: VY020091.D

Acq: 31 Oct 2024 13:51



Tgt Ion:	152	Resp:	183872
Ion Ratio	Lower	Upper	
152	100		
115	64.1	28.2	84.7
150	178.6	0.0	345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 39.435 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

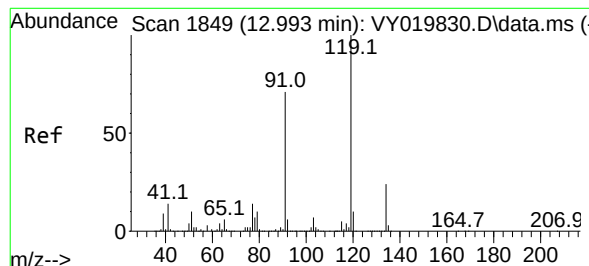
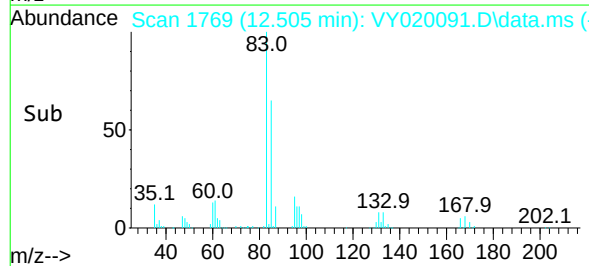
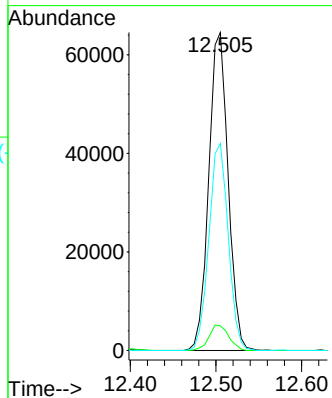
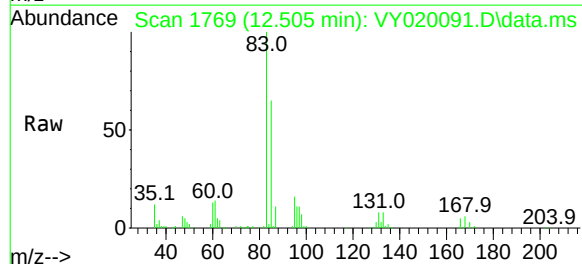
Tgt Ion: 83 Resp: 101303

Ion Ratio Lower Upper

83 100

131 8.2 5.0 14.9

85 65.1 32.0 96.0



#83

tert-Butylbenzene

Concen: 30.294 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

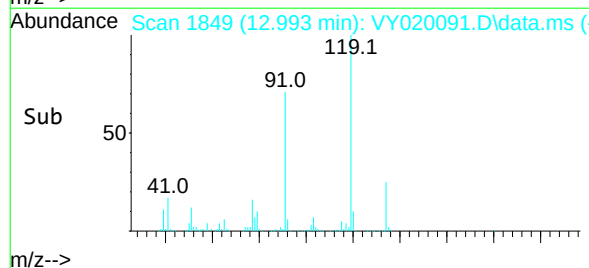
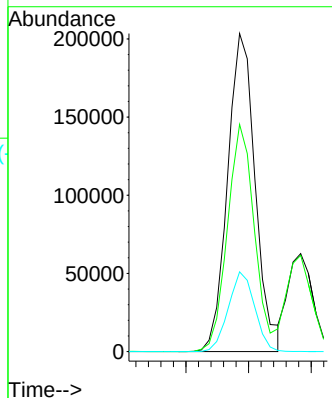
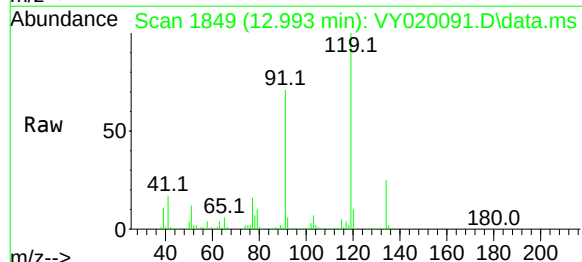
Tgt Ion: 119 Resp: 312380

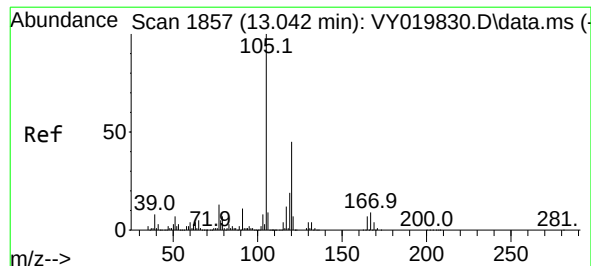
Ion Ratio Lower Upper

119 100

91 68.8 31.3 93.8

134 23.8 13.4 40.1





#84

1,2,4-Trimethylbenzene

Concen: 67.832 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

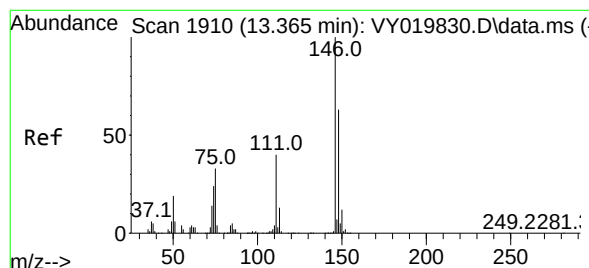
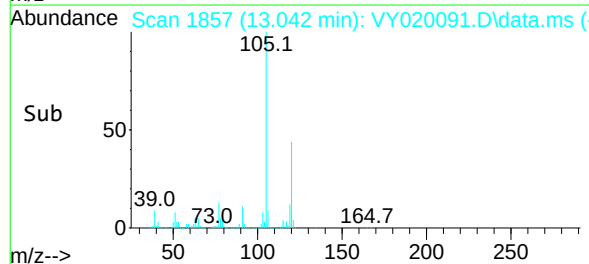
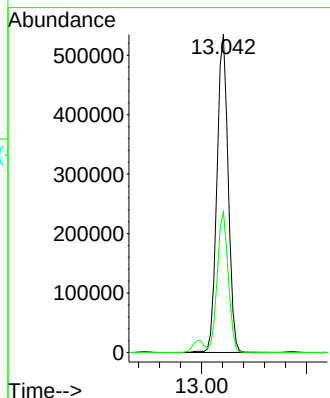
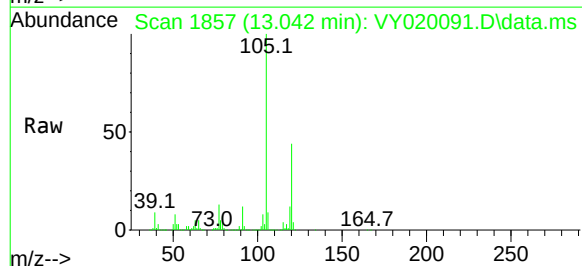
PT-VOA-SOILD

Tgt Ion:105 Resp: 792287

Ion Ratio Lower Upper

105 100

120 43.3 23.2 69.6



#88

1,4-Dichlorobenzene

Concen: 65.262 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51

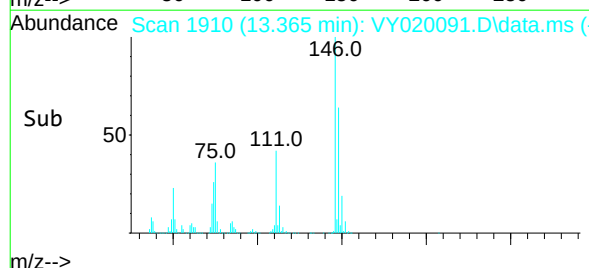
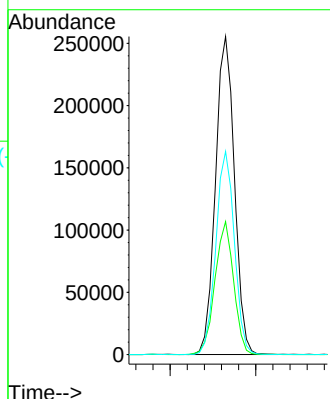
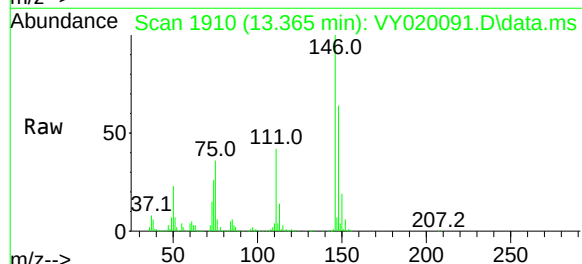
Tgt Ion:146 Resp: 392213

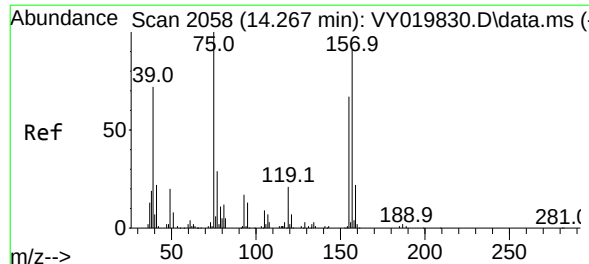
Ion Ratio Lower Upper

146 100

111 41.3 18.4 55.4

148 62.7 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.490 ug/l

RT: 14.273 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VY020091.D

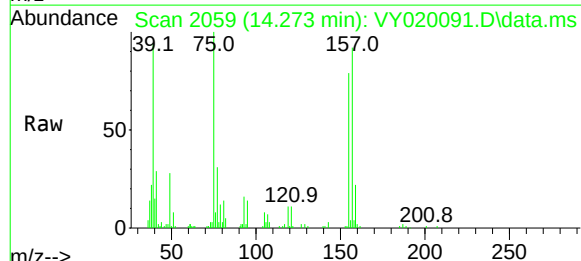
Acq: 31 Oct 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL



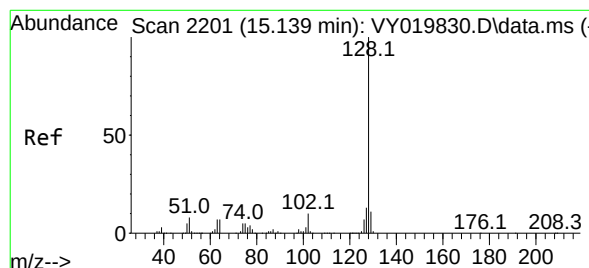
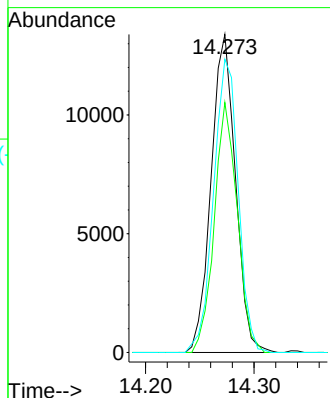
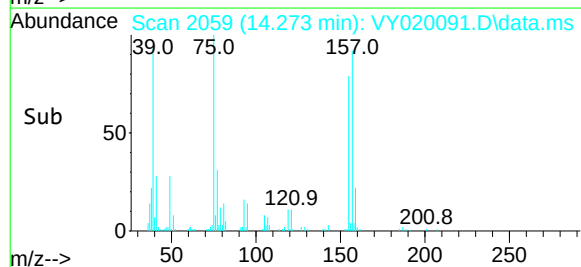
Tgt Ion: 75 Resp: 20839

Ion Ratio Lower Upper

75 100

155 74.3 48.6 145.8

157 93.6 62.7 188.2



#95

Naphthalene

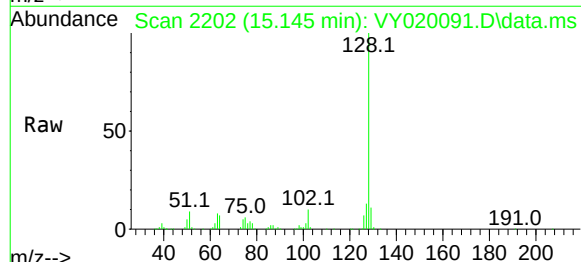
Concen: 30.215 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY020091.D

Acq: 31 Oct 2024 13:51



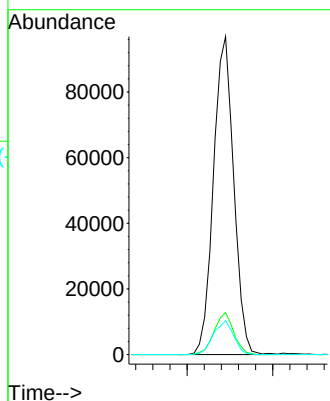
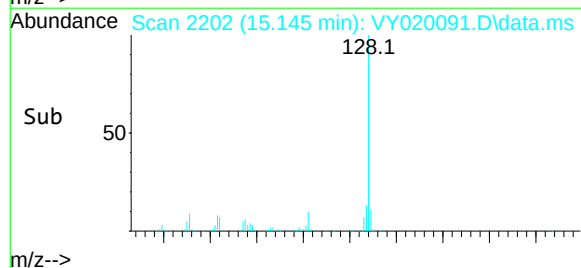
Tgt Ion: 128 Resp: 159157

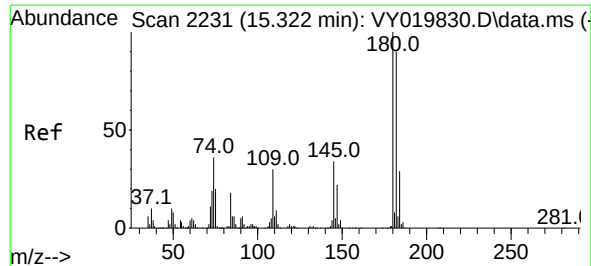
Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.6 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 53.745 ug/l

RT: 15.328 min Scan# 22

Delta R.T. 0.000 min

Lab File: VY020091.D

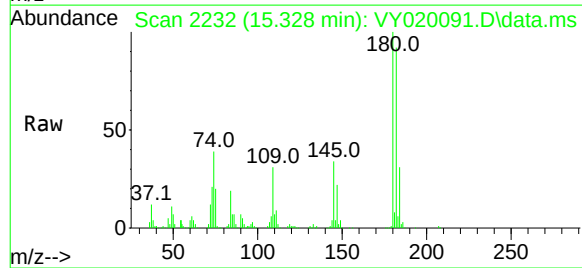
Acq: 31 Oct 2024 13:51

Instrument :

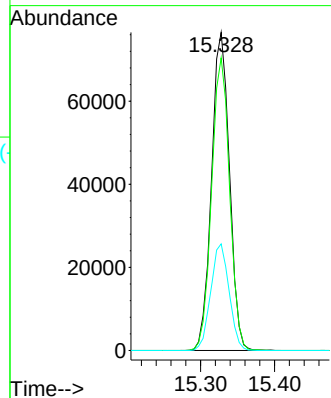
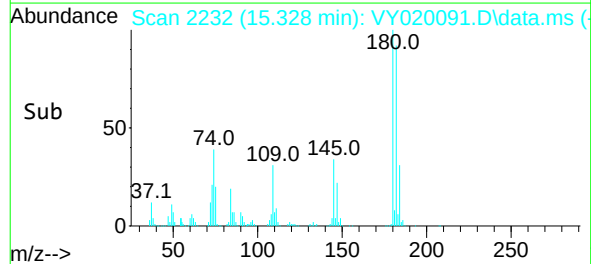
MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL



Tgt Ion:	180	Resp:	128558
Ion Ratio	Lower	Upper	
180	100		
182	92.4	47.6	142.9
145	34.4	15.4	46.1





CALIBRATION SUMMARY

1
2
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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: CHEM02
 Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495
 Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF005 = VY020075.D			RRF010 = VY020076.D			RRF020 = VY020077.D		
RRF050 = VY020078.D			RRF100 = VY020079.D			RRF150 = VY020080.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.5
Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.1
Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.5
Ethyl Acetate	0.232	0.226	0.242	0.211	0.255	0.239	0.234	6.4
Isopropyl Acetate	0.390	0.440	0.462	0.412	0.510	0.487	0.450	10
Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.5
Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.5
Tetrahydrofuran	0.102	0.113	0.114	0.104	0.128	0.120	0.114	8.5
Trichlorofluoromethane	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.9
1,1,2-Trichlorotrifluoroethane	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.3
Tert butyl alcohol	0.054	0.056	0.047	0.033	0.041	0.039	0.045	19.9
Diethyl Ether	0.261	0.280	0.293	0.252	0.297	0.299	0.280	7
1,1-Dichloroethene	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.1
Acrolein	0.051	0.060	0.059	0.050	0.060	0.056	0.056	8
Acrylonitrile	0.117	0.129	0.129	0.117	0.139	0.134	0.128	7
Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.5
Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.5
Methyl tert-butyl Ether	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8
Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6
Methylene Chloride	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.3
trans-1,2-Dichloroethene	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.7
Vinyl Acetate	0.982	1.112	1.150	1.054	1.274	1.249	1.137	9.9
1,1-Dichloroethane	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.5
Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.1
2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.3
Carbon Tetrachloride	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.2
2,2-Dichloropropane	1.043	0.968	0.957	0.881	0.986	1.004	0.973	5.6
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
Bromochloromethane	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.8
Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.3

* 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.



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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495
 Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY020075.D	RRF010 = VY020076.D	RRF020 = VY020077.D	RRF050 = VY020078.D	RRF100 = VY020079.D	RRF150 = VY020080.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.6
1,1-Dichloropropene	0.482	0.500	0.493	0.450	0.512	0.510	0.491	4.7
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
1,2-Dichloroethane	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.8
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
1,2-Dichloropropane	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6
Dibromomethane	0.173	0.185	0.189	0.171	0.200	0.196	0.186	6.4
Bromodichloromethane	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.4
4-Methyl-2-Pentanone	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.9
Methyl methacrylate	0.161	0.196	0.218	0.197	0.244	0.236	0.209	14.6
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1
t-1,3-Dichloropropene	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.3
cis-1,3-Dichloropropene	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10
1,1,2-Trichloroethane	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.4
1,3-Dichloropropane	0.383	0.411	0.438	0.393	0.464	0.449	0.423	7.7
2-Chloroethyl Vinyl ether	0.132	0.155	0.167	0.160	0.186	0.180	0.163	11.8
2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.7
Dibromochloromethane	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.3
1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.7
Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.8
Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	5
1,1,1,2-Tetrachloroethane	0.312	0.332	0.345	0.317	0.365	0.370	0.340	7.1
Hexachloroethane	0.669	0.664	0.684	0.628	0.713	0.741	0.683	5.8
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5
Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.8
Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.4
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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LAB FILE ID:	RRF005 = VY020075.D			RRF010 = VY020076.D		RRF020 = VY020077.D		RRF050 = VY020078.D		RRF100 = VY020079.D		RRF150 = VY020080.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
1,1,2,2-Tetrachloroethane	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.4					
1,2,3-Trichloropropane	0.387	0.563	0.479	0.428	0.477	0.478	0.469	12.6					
Bromobenzene	0.830	0.761	0.806	0.742	0.843	0.866	0.808	6					
n-propylbenzene	5.003	4.849	5.049	4.581	5.082	5.263	4.971	4.7					
2-Chlorotoluene	2.788	2.705	2.774	2.517	2.814	2.958	2.759	5.3					
1,3,5-Trimethylbenzene	3.201	3.025	3.270	2.973	3.310	3.461	3.207	5.7					
4-Chlorotoluene	2.774	2.702	2.871	2.606	2.904	3.025	2.813	5.4					
tert-Butylbenzene	2.826	2.624	2.798	2.664	2.888	3.024	2.804	5.2					
1,2,4-Trimethylbenzene	3.062	3.025	3.203	2.942	3.338	3.486	3.176	6.5					
sec-Butylbenzene	4.277	4.160	4.350	4.002	4.440	4.598	4.305	4.9					
p-Isopropyltoluene	3.296	3.254	3.522	3.235	3.617	3.803	3.454	6.7					
1,3-Dichlorobenzene	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.4					
1,4-Dichlorobenzene	1.680	1.604	1.653	1.487	1.666	1.716	1.634	5					
n-Butylbenzene	3.312	3.215	3.533	3.256	3.663	3.797	3.463	6.9					
1,2-Dichlorobenzene	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.6					
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.6					
1,2,4-Trichlorobenzene	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.8					
Hexachlorobutadiene	0.403	0.389	0.422	0.389	0.454	0.456	0.419	7.3					
Naphthalene	1.116	1.209	1.420	1.325	1.760	1.765	1.432	19.2					
1,2,3-Trichlorobenzene	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.1					
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1					
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7					
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8					
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5					
N-amyl acetate	0.835	0.907	1.004	0.918	1.156	1.171	0.998	13.9					
Methyl Iodide	0.499	0.541	0.548	0.517	0.577	0.585	0.544	6.2					
Allyl chloride	0.955	0.952	0.980	0.915	1.011	1.028	0.973	4.2					
trans-1,4-Dichloro-2-butene	0.208	0.210	0.211	0.197	0.238	0.243	0.218	8.4					
Methacrylonitrile	0.079	0.115	0.131	0.119	0.132	0.127	0.117	16.9					
Ethyl methacrylate	0.250	0.302	0.337	0.315	0.396	0.388	0.331	16.6					

* 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.



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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495
 Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY020075.D		RRF010 = VY020076.D		RRF020 = VY020077.D		
		RRF050 = VY020078.D		RRF100 = VY020079.D		RRF150 = VY020080.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Diisopropyl ether	1.824	1.993	2.082	1.894	2.168	2.160	2.020	7
1,4-Dioxane	1.739	1.841	1.816	1.751	2.231	2.101	1.913	10.6

* 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_Y\methods\
Method File : 82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024
Response Via : Initial Calibration

Calibration Files

5 =VY020075.D 10 =VY020076.D 20 =VY020077.D 50 =VY020078.D 100 =VY020079.D 150 =VY020080.

D

Compound		5	10	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.46
3) P	Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.07
4) C	Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.49#
5) T	Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.45
6) T	Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.45
7) T	Trichlorofluor...	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.92
8) T	Diethyl Ether	0.261	0.280	0.293	0.252	0.297	0.299	0.280	7.04
9) T	1,1,2-Trichlor...	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.30
10) T	Methyl Iodide	0.499	0.541	0.548	0.517	0.577	0.585	0.544	6.16
11) T	Tert butyl alc...	0.054	0.056	0.047	0.033	0.041	0.039	0.045	19.94
12) CM	1,1-Dichloroet...	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.15#
13) T	Acrolein	0.051	0.060	0.059	0.050	0.060	0.056	0.056	8.02
14) T	Allyl chloride	0.955	0.952	0.980	0.915	1.011	1.028	0.973	4.25
15) T	Acrylonitrile	0.117	0.129	0.129	0.117	0.139	0.134	0.128	7.05
16) T	Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.48
17) T	Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.48
18) T	Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6.03
19) T	Methyl tert-bu...	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8.01
20) T	Methylene Chlo...	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.31
21) T	trans-1,2-Dich...	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.71
22) T	Diisopropyl ether	1.824	1.993	2.082	1.893	2.168	2.160	2.020	7.02
23) T	Vinyl Acetate	0.982	1.112	1.150	1.054	1.274	1.249	1.137	9.87
24) P	1,1-Dichloroet...	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.46
25) T	2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.32
26) T	2,2-Dichloropr...	1.043	0.968	0.957	0.881	0.986	1.004	0.973	5.59
27) T	cis-1,2-Dichlo...	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.09
28) T	Bromochloromet...	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.82
29) T	Tetrahydrofuran	0.102	0.113	0.114	0.104	0.128	0.120	0.114	8.48
30) C	Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.33#
31) T	Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.14
32) T	1,1,1-Trichlor...	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.13
33) S	1,2-Dichloroet...	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.12
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.66
36) T	1,1-Dichloropr...	0.482	0.500	0.493	0.450	0.512	0.510	0.491	4.70
37) T	Ethyl Acetate	0.232	0.226	0.242	0.211	0.255	0.239	0.234	6.37
38) T	Carbon Tetrach...	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.23
39) T	Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.60
40) TM	Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.67
41) T	Methacrylonitrile	0.079	0.115	0.131	0.119	0.132	0.127	0.117	16.94
42) TM	1,2-Dichloroet...	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.78
43) T	Isopropyl Acetate	0.390	0.440	0.462	0.412	0.510	0.487	0.450	10.02
44) TM	Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.42
45) C	1,2-Dichloropr...	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6.01#
46) T	Dibromomethane	0.173	0.185	0.189	0.171	0.200	0.196	0.186	6.41
47) T	Bromodichlorom...	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.45
48) T	Methyl methacr...	0.161	0.196	0.218	0.197	0.244	0.236	0.209	14.58
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.64
50) S	Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.79
51) T	4-Methyl-2-Pen...	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.91
52) CM	Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.08#
53) T	t-1,3-Dichloro...	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.35
54) T	cis-1,3-Dichlo...	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10.05
55) T	1,1,2-Trichlor...	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.38

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\										
Method File : 82Y103024S.M										
56)	T	Ethyl methacry...	0.250	0.302	0.337	0.315	0.396	0.388	0.331	16.56
57)	T	1,3-Dichloropr...	0.383	0.411	0.438	0.393	0.464	0.449	0.423	7.67
58)	T	2-Chloroethyl ...	0.132	0.155	0.167	0.160	0.186	0.180	0.163	11.81
59)	T	2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.74
60)	T	Dibromochlorom...	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.31
61)	T	1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.66
62)	S	4-Bromofluorob...	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.49
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.84
65)	PM	Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	4.99
66)	T	1,1,1,2-Tetrac...	0.312	0.332	0.345	0.317	0.365	0.370	0.340	7.12
67)	C	Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.54#
68)	T	m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.18
69)	T	o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.48
70)	T	Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.77
71)	P	Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.41
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.35
74)	T	N-amyl acetate	0.835	0.907	1.004	0.918	1.156	1.171	0.998	13.89
75)	P	1,1,2,2-Tetrac...	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.40
76)	T	1,2,3-Trichlor...	0.387	0.563	0.479	0.428	0.477	0.478	0.469	12.64
77)	T	Bromobenzene	0.830	0.761	0.806	0.742	0.843	0.866	0.808	5.96
78)	T	n-propylbenzene	5.003	4.849	5.049	4.581	5.082	5.263	4.971	4.69
79)	T	2-Chlorotoluene	2.788	2.705	2.774	2.517	2.814	2.958	2.759	5.26
80)	T	1,3,5-Trimethy...	3.201	3.025	3.270	2.973	3.310	3.461	3.207	5.70
81)	T	trans-1,4-Dich...	0.208	0.210	0.211	0.197	0.238	0.243	0.218	8.40
82)	T	4-Chlorotoluene	2.774	2.702	2.871	2.606	2.904	3.025	2.813	5.35
83)	T	tert-Butylbenzene	2.826	2.624	2.798	2.664	2.888	3.024	2.804	5.24
84)	T	1,2,4-Trimethy...	3.062	3.025	3.203	2.942	3.338	3.486	3.176	6.51
85)	T	sec-Butylbenzene	4.277	4.160	4.350	4.002	4.440	4.598	4.305	4.86
86)	T	p-Isopropyltol...	3.296	3.254	3.522	3.235	3.617	3.803	3.454	6.68
87)	T	1,3-Dichlorobe...	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.42
88)	T	1,4-Dichlorobe...	1.680	1.604	1.653	1.487	1.666	1.716	1.634	4.95
89)	T	n-Butylbenzene	3.312	3.215	3.533	3.256	3.663	3.797	3.463	6.88
90)	T	Hexachloroethane	0.669	0.664	0.684	0.628	0.713	0.741	0.683	5.79
91)	T	1,2-Dichlorobe...	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.58
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.59
93)	T	1,2,4-Trichlor...	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.83
94)	T	Hexachlorobuta...	0.403	0.389	0.422	0.389	0.454	0.456	0.419	7.30
95)	T	Naphthalene	1.116	1.209	1.420	1.325	1.760	1.765	1.432	19.22
96)	T	1,2,3-Trichlor...	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.13

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020075.D
 Acq On : 30 Oct 2024 12:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	240434	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	437202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	367609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154264	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	14625	4.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.880%#
35) Dibromofluoromethane	7.640	113	13333	4.621	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.240%#
50) Toluene-d8	10.109	98	51902	4.872	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.740%#
62) 4-Bromofluorobenzene	12.407	95	16208	4.210	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	8.420%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	12181	5.442	ug/l	99
3) Chloromethane	2.074	50	19992	6.863	ug/l	93
4) Vinyl Chloride	2.214	62	20836	6.500	ug/l	97
5) Bromomethane	2.604	94	15177	7.480	ug/l	88
6) Chloroethane	2.750	64	13521	6.278	ug/l	90
7) Trichlorofluoromethane	3.074	101	24633	5.164	ug/l	88
8) Diethyl Ether	3.464	74	6284	4.335	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.830	101	14348	5.171	ug/l	90
10) Methyl Iodide	4.012	142	11993	4.274	ug/l	# 89
11) Tert butyl alcohol	4.860	59	6468	23.321	ug/l	100
12) 1,1-Dichloroethene	3.805	96	12850	4.982	ug/l	84
13) Acrolein	3.665	56	6134	28.198	ug/l	94
14) Allyl chloride	4.390	41	22973	4.936	ug/l	# 88
15) Acrylonitrile	5.067	53	14108	21.276	ug/l	98
16) Acetone	3.872	43	16105	20.898	ug/l	# 79
17) Carbon Disulfide	4.116	76	43042	6.226	ug/l	# 93
18) Methyl Acetate	4.403	43	7550	4.548	ug/l	# 65
19) Methyl tert-butyl Ether	5.122	73	29558	3.989	ug/l	100
20) Methylene Chloride	4.622	84	19392	6.235	ug/l	# 73
21) trans-1,2-Dichloroethene	5.128	96	14695	5.235	ug/l	88
22) Diisopropyl ether	6.030	45	43856	4.326	ug/l	# 82
23) Vinyl Acetate	5.963	43	118065	20.316	ug/l	# 88
24) 1,1-Dichloroethane	5.927	63	27775	4.929	ug/l	94
25) 2-Butanone	6.902	43	22431	21.745	ug/l	# 84
26) 2,2-Dichloropropane	6.890	77	25086	4.999	ug/l	89
27) cis-1,2-Dichloroethene	6.890	96	15543	4.480	ug/l	72
28) Bromochloromethane	7.256	49	13763	5.549	ug/l	# 67
29) Tetrahydrofuran	7.274	42	12280	20.849	ug/l	# 83
30) Chloroform	7.433	83	27437	4.776	ug/l	88
31) Cyclohexane	7.707	56	30882	6.243	ug/l	# 88
32) 1,1,1-Trichloroethane	7.628	97	23695	4.707	ug/l	# 90
36) 1,1-Dichloropropene	7.835	75	21067	5.069	ug/l	93
37) Ethyl Acetate	6.994	43	10158m	4.687	ug/l	
38) Carbon Tetrachloride	7.823	117	20423	4.583	ug/l	94
39) Methylcyclohexane	9.115	83	26360	5.033	ug/l	89
40) Benzene	8.085	78	61822	4.915	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020075.D
 Acq On : 30 Oct 2024 12:39
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 30 13:49:45 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	3462	2.951	ug/l #	72
42) 1,2-Dichloroethane	8.158	62	16581	4.588	ug/l	93
43) Isopropyl Acetate	8.201	43	17066	3.861	ug/l #	92
44) Trichloroethene	8.871	130	14352	4.711	ug/l	94
45) 1,2-Dichloropropane	9.140	63	14120	4.485	ug/l	95
46) Dibromomethane	9.231	93	7547	4.387	ug/l #	87
47) Bromodichloromethane	9.426	83	20060	4.393	ug/l	99
48) Methyl methacrylate	9.225	41	7028	3.615	ug/l #	82
49) 1,4-Dioxane	9.231	88	1521	79.001	ug/l #	81
51) 4-Methyl-2-Pentanone	9.999	43	41560	18.434	ug/l	87
52) Toluene	10.170	92	35127	4.474	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	16130	3.926	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	19506	4.024	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	8995	3.969	ug/l #	85
56) Ethyl methacrylate	10.438	69	10951	3.367	ug/l #	65
57) 1,3-Dichloropropane	10.719	76	16743	4.207	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	28850	19.057	ug/l	92
59) 2-Hexanone	10.761	43	28622	17.775	ug/l	81
60) Dibromochloromethane	10.914	129	11181	3.844	ug/l	100
61) 1,2-Dibromoethane	11.017	107	8865	4.329	ug/l	90
64) Tetrachloroethene	10.645	164	11989	4.585	ug/l	93
65) Chlorobenzene	11.444	112	37629	4.475	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	11467	4.031	ug/l	98
67) Ethyl Benzene	11.517	91	69338	4.540	ug/l	98
68) m/p-Xylenes	11.627	106	50332	8.923	ug/l	94
69) o-Xylene	11.956	106	23982	4.425	ug/l	95
70) Styrene	11.968	104	36193	3.958	ug/l	93
71) Bromoform	12.133	173	5561	3.652	ug/l #	94
73) Isopropylbenzene	12.255	105	62710	4.833	ug/l	96
74) N-amyl acetate	12.072	43	12879	3.747	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	11048	4.792	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	5970m	1.976	ug/l	
77) Bromobenzene	12.529	156	12802	4.649	ug/l	83
78) n-propylbenzene	12.596	91	77176	4.922	ug/l	96
79) 2-Chlorotoluene	12.682	91	43013	4.785	ug/l	93
80) 1,3,5-Trimethylbenzene	12.736	105	49377	4.712	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	3212	4.290	ug/l	87
82) 4-Chlorotoluene	12.779	91	42786	4.655	ug/l	96
83) tert-Butylbenzene	12.999	119	43602	4.645	ug/l	93
84) 1,2,4-Trimethylbenzene	13.041	105	47241	4.547	ug/l	97
85) sec-Butylbenzene	13.175	105	65986	4.705	ug/l	95
86) p-Isopropyltoluene	13.291	119	50842	4.464	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	25594	4.603	ug/l	96
88) 1,4-Dichlorobenzene	13.364	146	25923	4.745	ug/l	92
89) n-Butylbenzene	13.620	91	51089	4.594	ug/l	95
90) Hexachloroethane	13.883	117	10314	4.651	ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	21464	4.393	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1656	4.500	ug/l	69
93) 1,2,4-Trichlorobenzene	14.919	180	10063	3.673	ug/l	96
94) Hexachlorobutadiene	15.023	225	6221	4.084	ug/l	93
95) Naphthalene	15.145	128	17217	3.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	8911	3.848	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

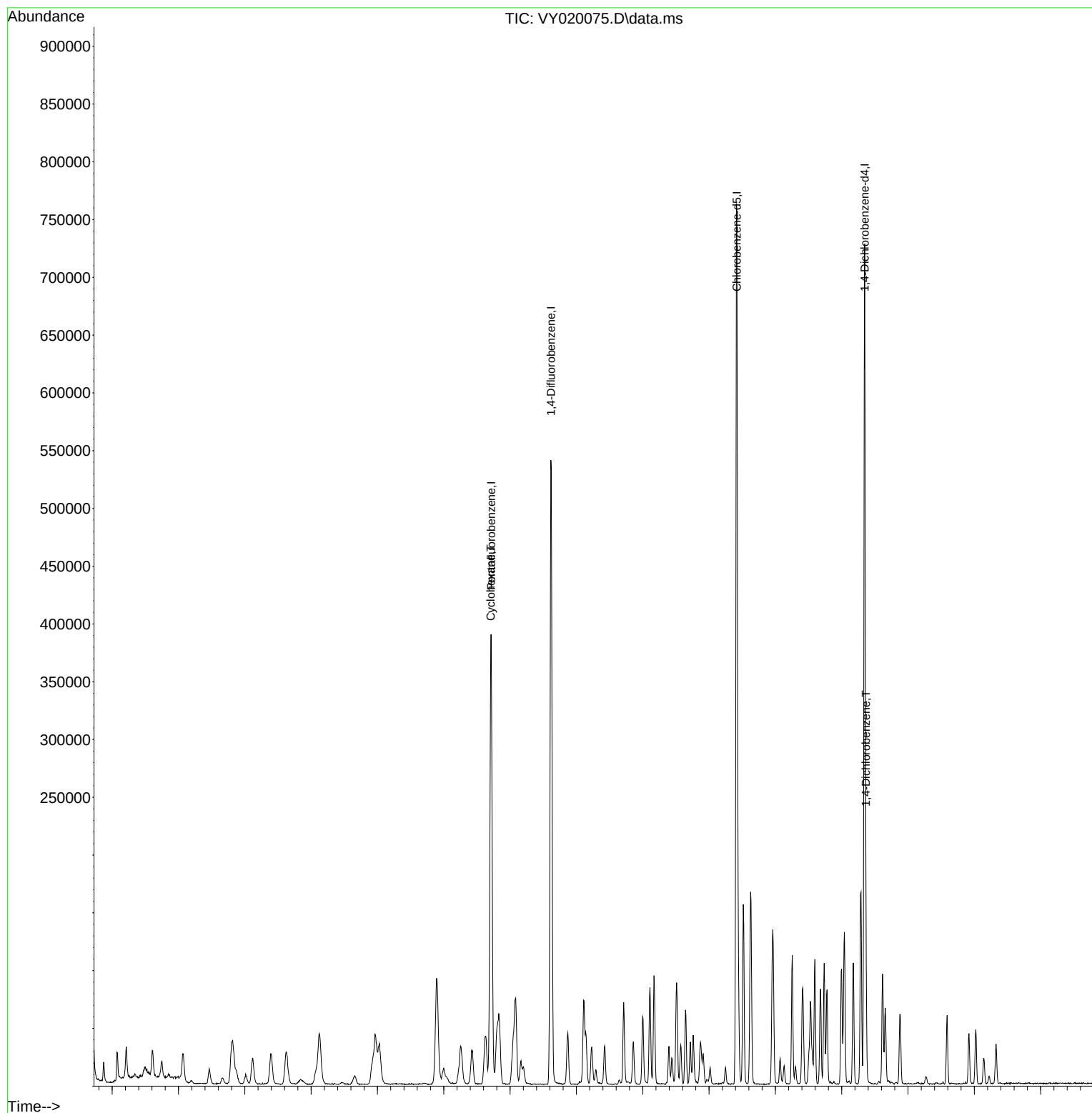
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Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

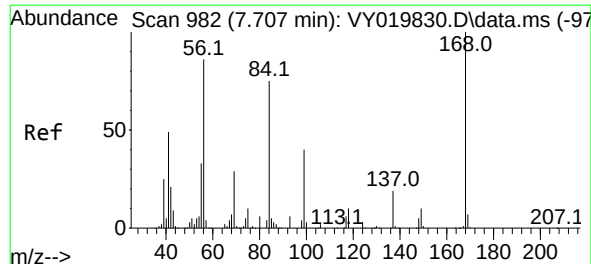
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 98

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 240434

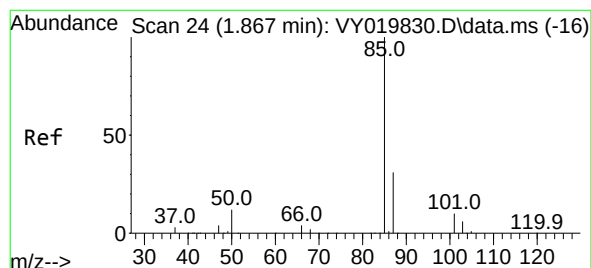
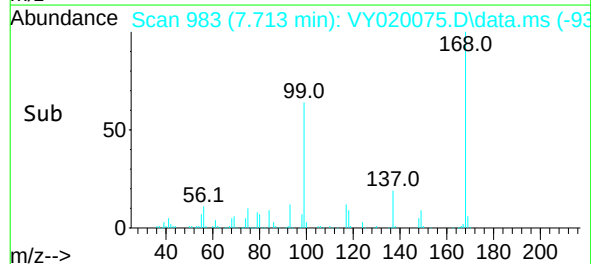
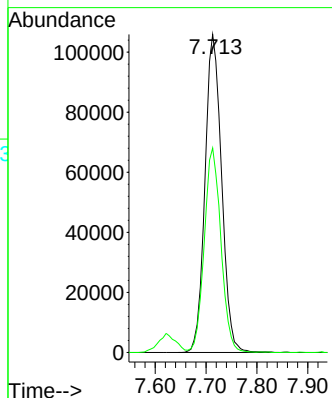
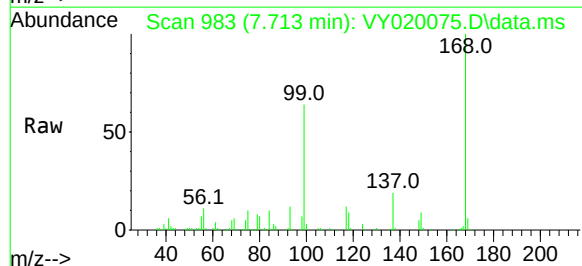
Ion Ratio Lower Upper

168 100

99 64.3 39.1 58.7#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#2

Dichlorodifluoromethane

Concen: 5.442 ug/l

RT: 1.873 min Scan# 25

Delta R.T. 0.007 min

Lab File: VY020075.D

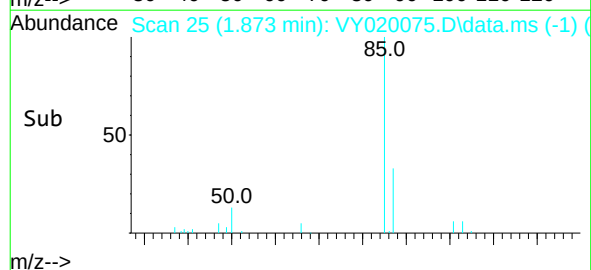
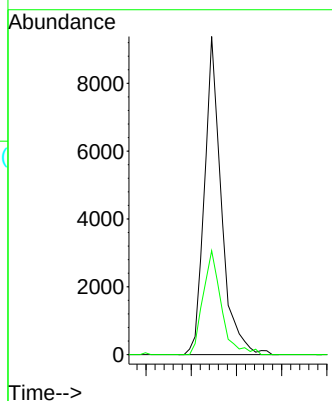
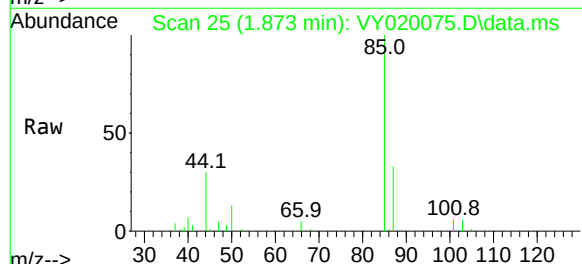
Acq: 30 Oct 2024 12:39

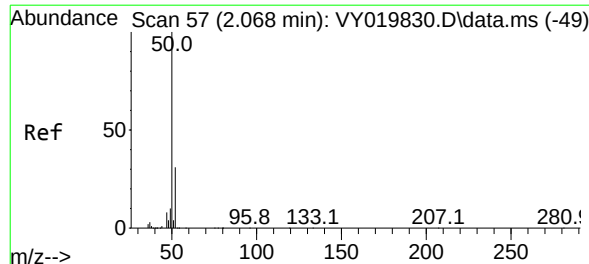
Tgt Ion: 85 Resp: 12181

Ion Ratio Lower Upper

85 100

87 32.7 16.0 48.0





#3

Chloromethane

Concen: 6.863 ug/l

RT: 2.074 min Scan# 58

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 19992

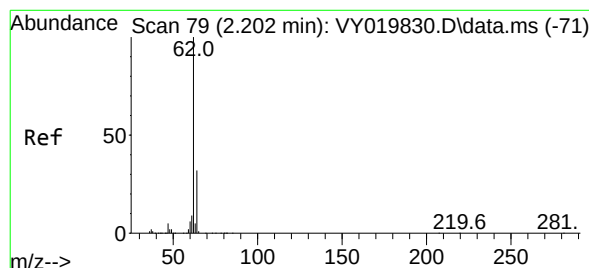
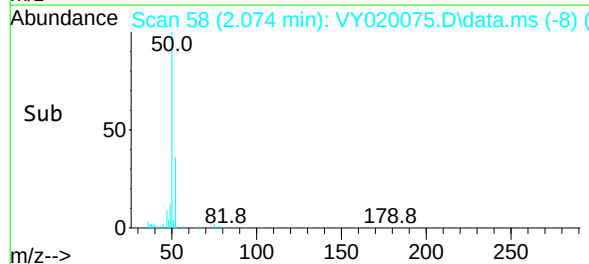
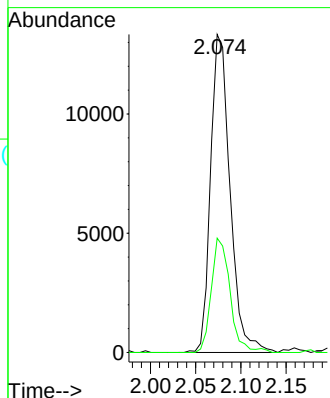
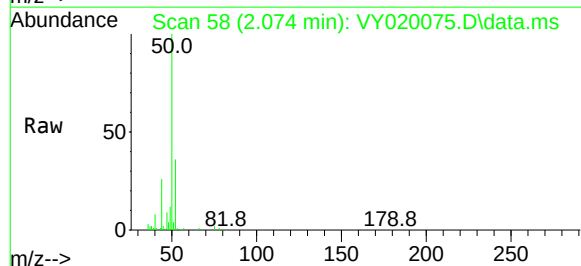
Ion Ratio Lower Upper

50 100

52 36.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#4

Vinyl Chloride

Concen: 6.500 ug/l

RT: 2.214 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY020075.D

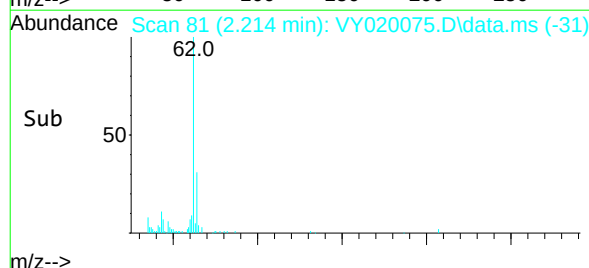
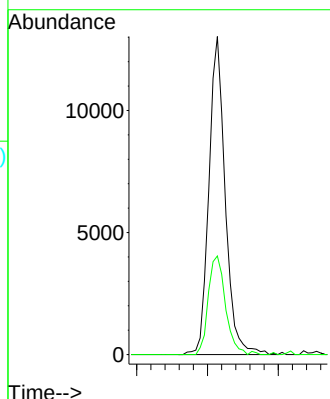
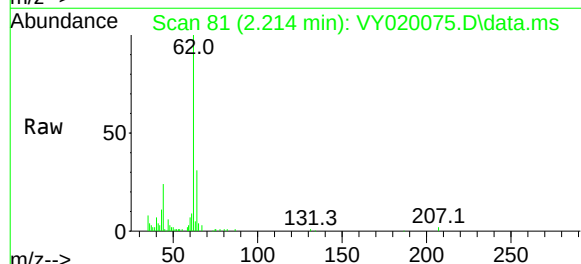
Acq: 30 Oct 2024 12:39

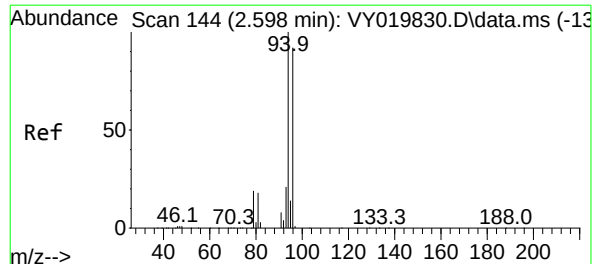
Tgt Ion: 62 Resp: 20836

Ion Ratio Lower Upper

62 100

64 31.0 26.1 39.1





#5

Bromomethane

Concen: 7.480 ug/l

RT: 2.604 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 15177

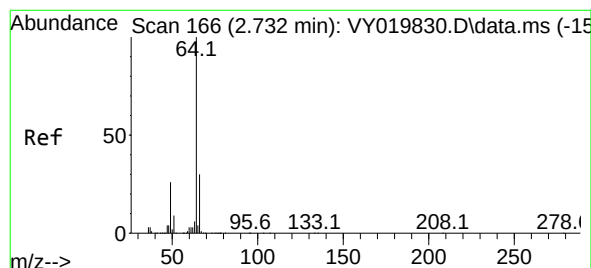
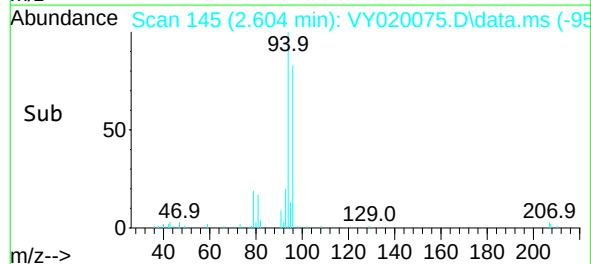
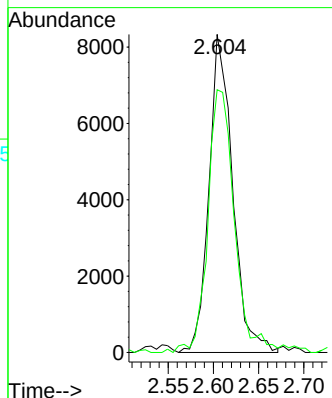
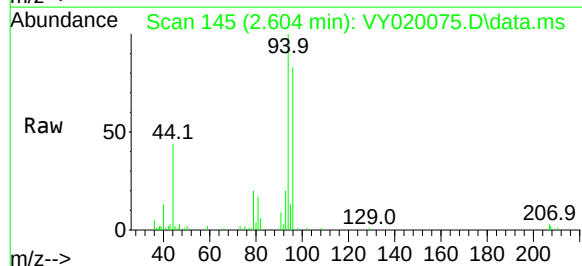
Ion Ratio Lower Upper

94 100

96 81.2 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#6

Chloroethane

Concen: 6.278 ug/l

RT: 2.750 min Scan# 169

Delta R.T. 0.012 min

Lab File: VY020075.D

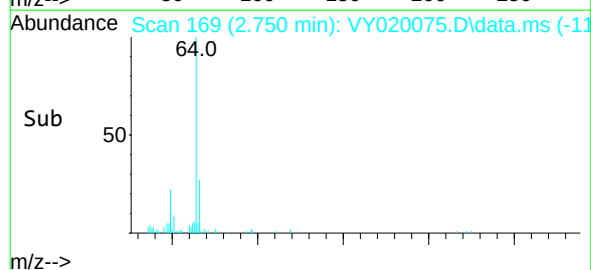
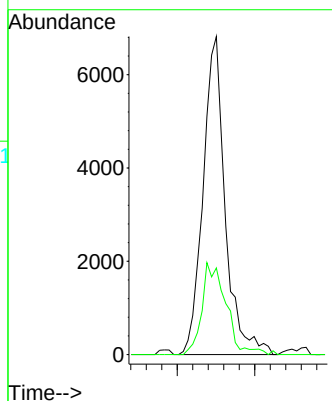
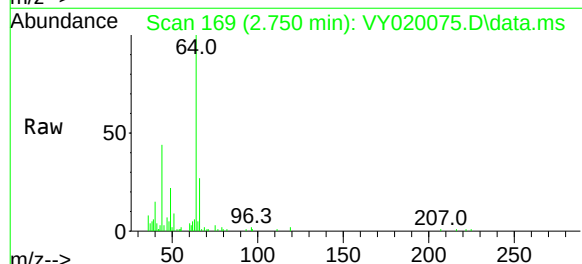
Acq: 30 Oct 2024 12:39

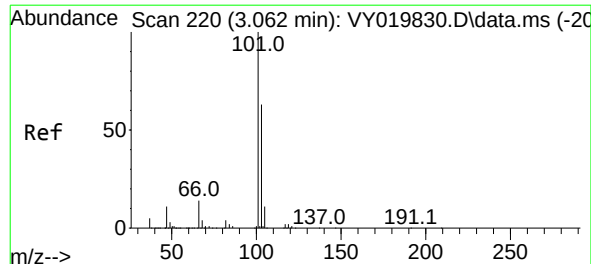
Tgt Ion: 64 Resp: 13521

Ion Ratio Lower Upper

64 100

66 27.2 26.1 39.1





#7

Trichlorofluoromethane

Concen: 5.164 ug/l

RT: 3.074 min Scan# 220

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:101 Resp: 24633

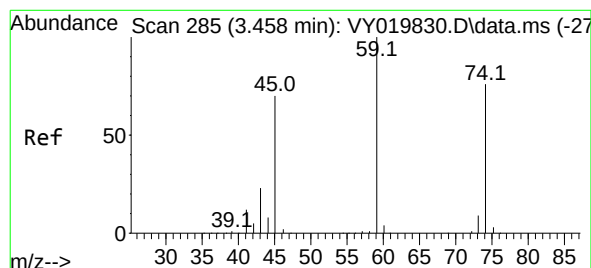
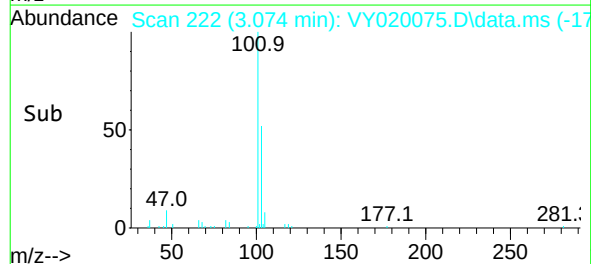
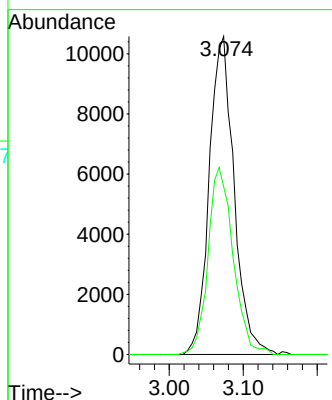
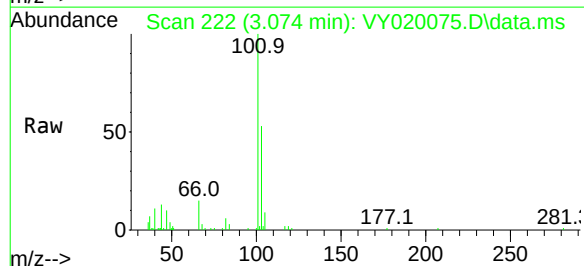
Ion Ratio Lower Upper

101 100

103 52.8 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#8

Diethyl Ether

Concen: 4.335 ug/l

RT: 3.464 min Scan# 286

Delta R.T. 0.006 min

Lab File: VY020075.D

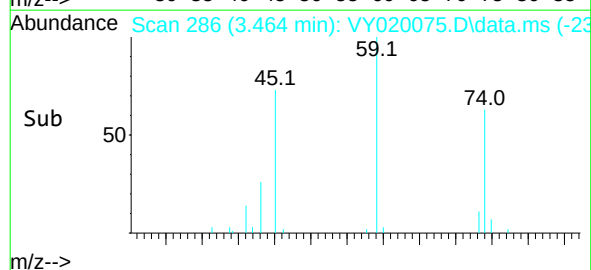
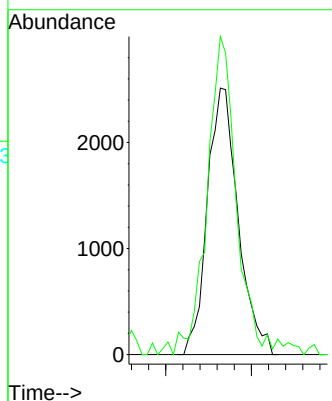
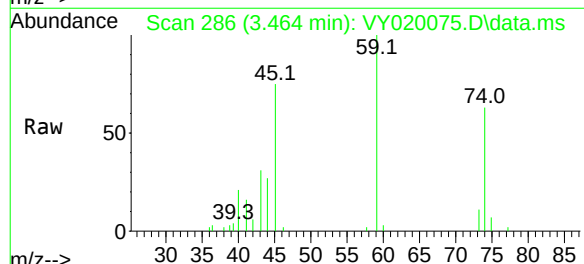
Acq: 30 Oct 2024 12:39

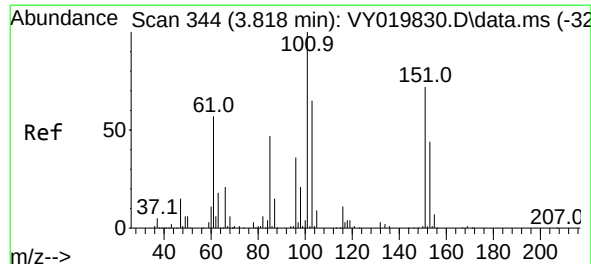
Tgt Ion: 74 Resp: 6284

Ion Ratio Lower Upper

74 100

45 111.5 41.3 124.1





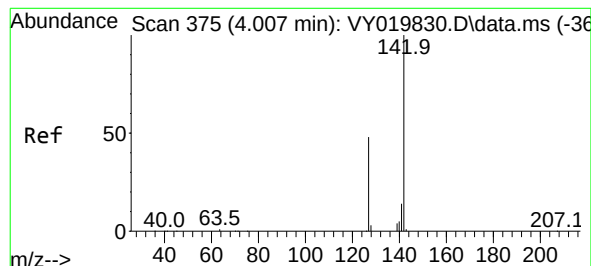
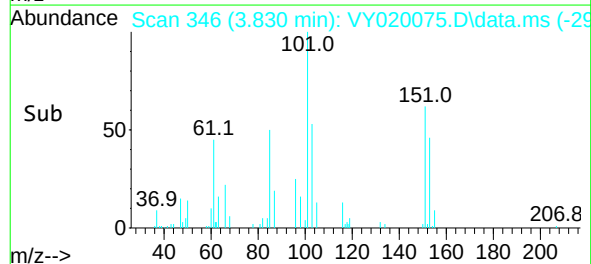
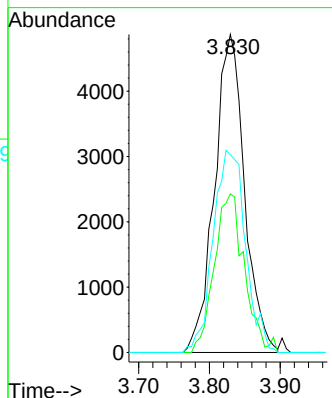
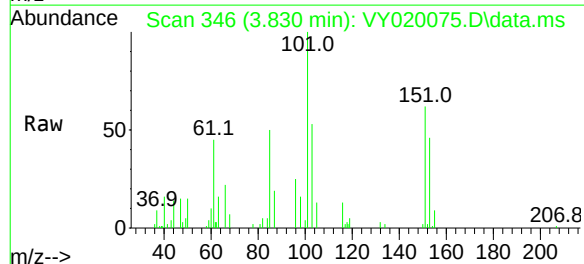
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.171 ug/l
RT: 3.830 min Scan# 344
Delta R.T. 0.018 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion:	101	Resp:	14348
Ion Ratio	Lower	Upper	
101	100		
85	50.0	34.5	51.7
151	68.5	61.7	92.5

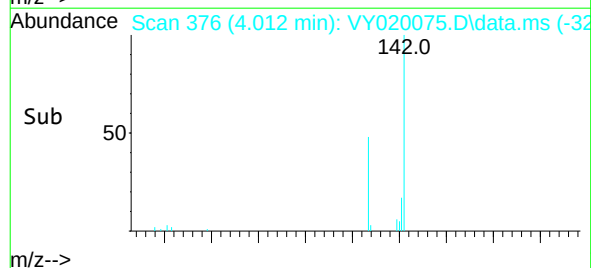
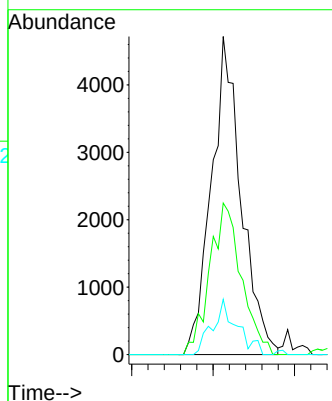
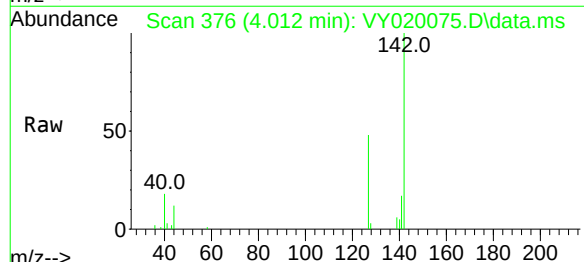
Manual Integrations
APPROVED

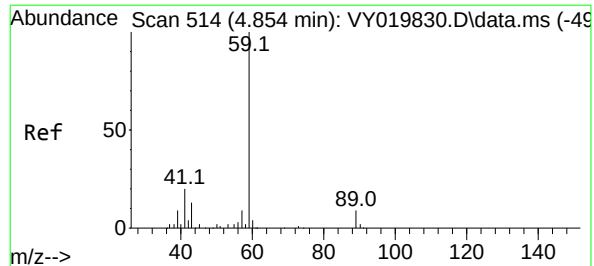
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 4.274 ug/l
RT: 4.012 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Tgt Ion:	142	Resp:	11993
Ion Ratio	Lower	Upper	
142	100		
127	50.5	32.8	49.2#
141	14.3	11.4	17.2





#11

Tert butyl alcohol

Concen: 23.321 ug/l

RT: 4.860 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 6468

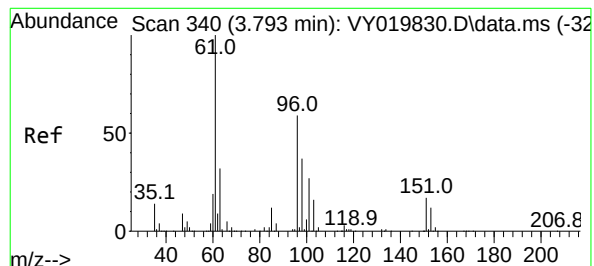
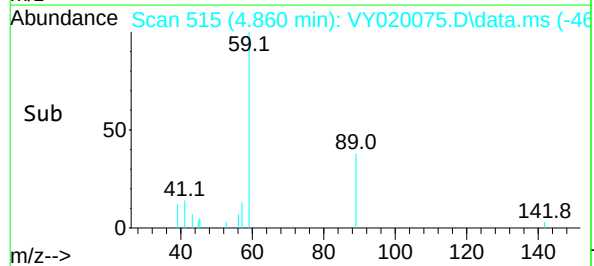
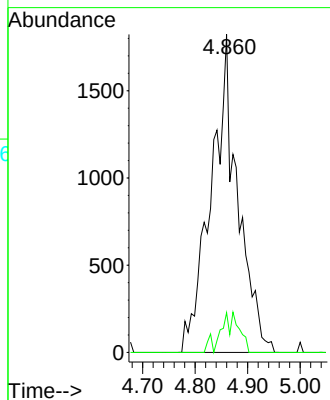
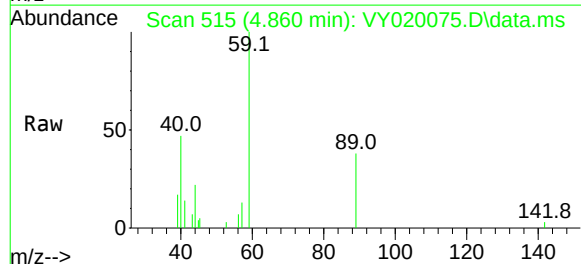
Ion Ratio Lower Upper

59 100

57 3.8 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#12

1,1-Dichloroethene

Concen: 4.982 ug/l

RT: 3.805 min Scan# 342

Delta R.T. 0.018 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

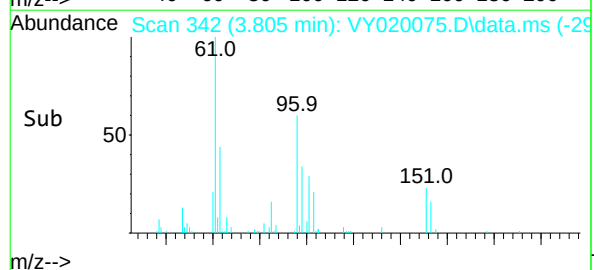
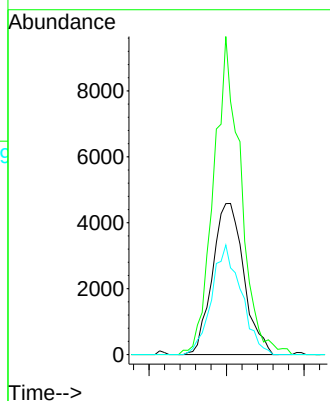
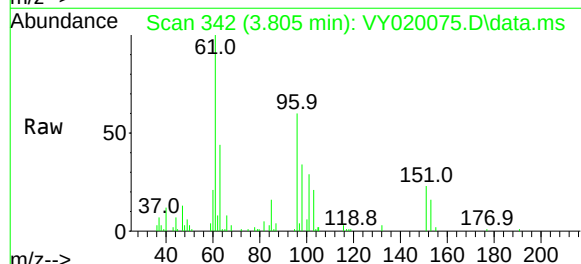
Tgt Ion: 96 Resp: 12850

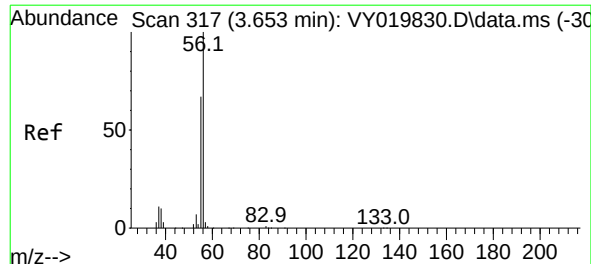
Ion Ratio Lower Upper

96 100

61 167.7 114.6 171.8

98 57.4 50.8 76.2





#13

Acrolein

Concen: 28.198 ug/l

RT: 3.665 min Scan# 317

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 6134

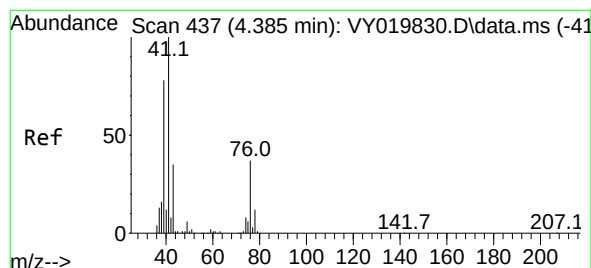
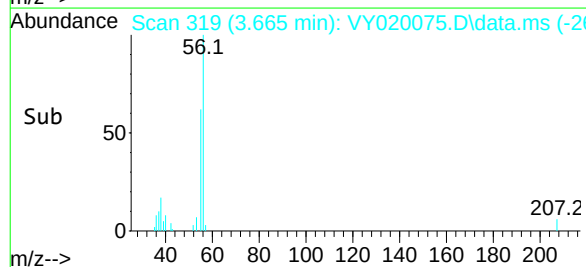
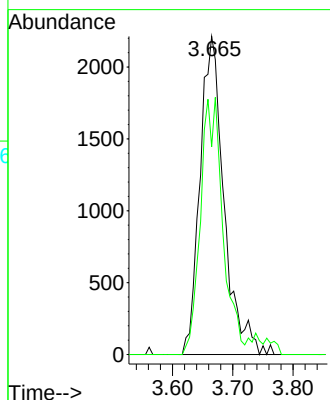
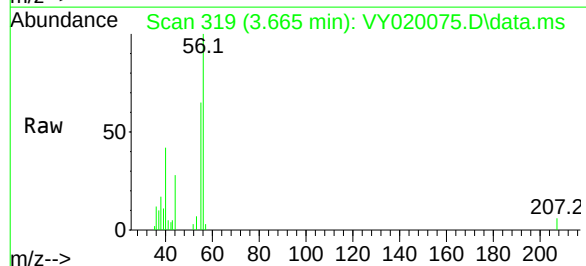
Ion Ratio Lower Upper

56 100

55 74.9 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#14

Allyl chloride

Concen: 4.936 ug/l

RT: 4.390 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

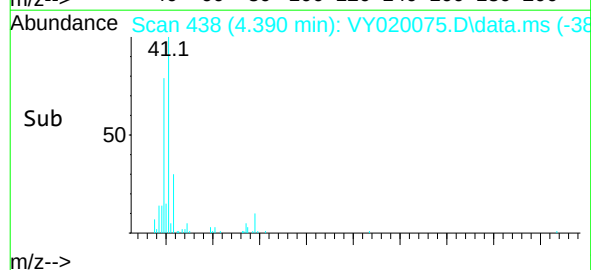
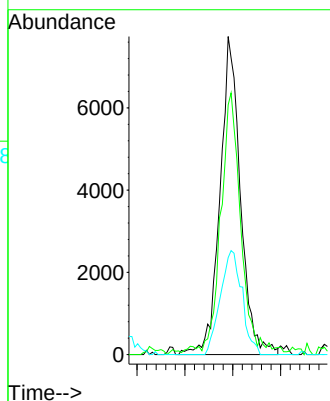
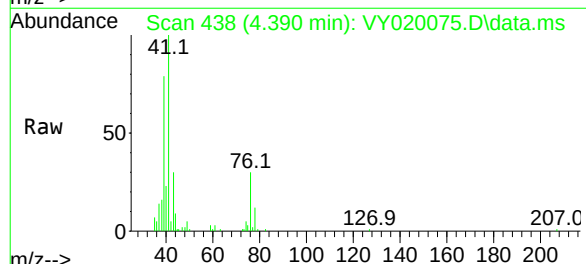
Tgt Ion: 41 Resp: 22973

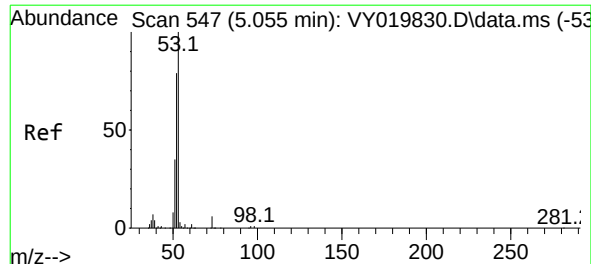
Ion Ratio Lower Upper

41 100

39 77.5 58.3 87.5

76 34.5 39.0 58.6#





#15

Acrylonitrile

Concen: 21.276 ug/l

RT: 5.067 min Scan# 54

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

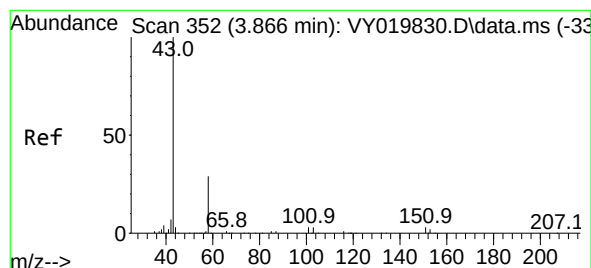
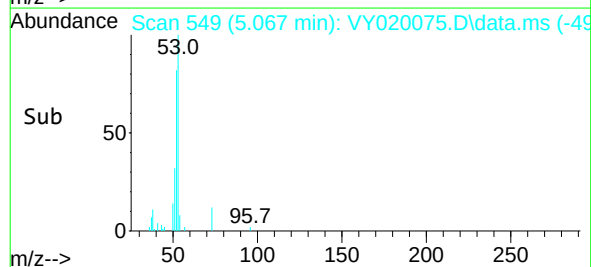
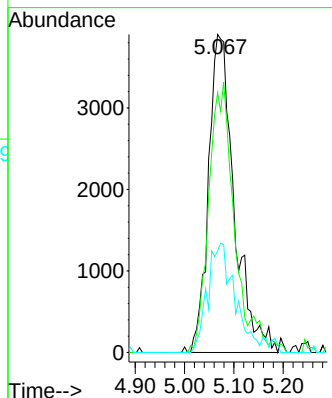
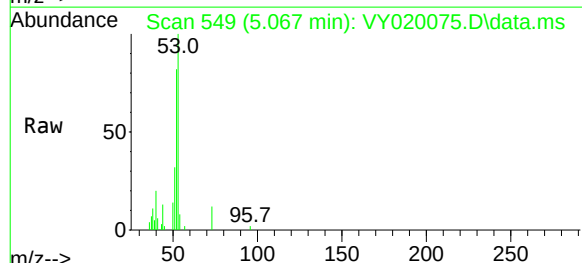
ClientSampleId :

VSTDICC005

Tgt Ion:	53	Resp:	14108
Ion	Ratio	Lower	Upper
53	100		
52	78.8	64.7	97.1
51	36.3	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 20.898 ug/l

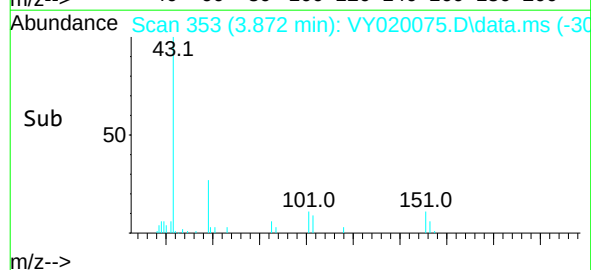
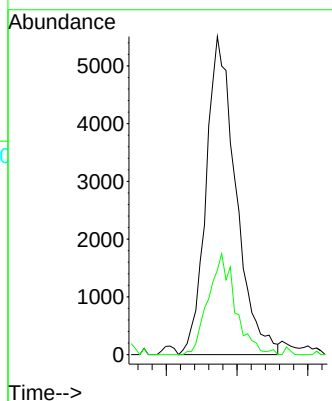
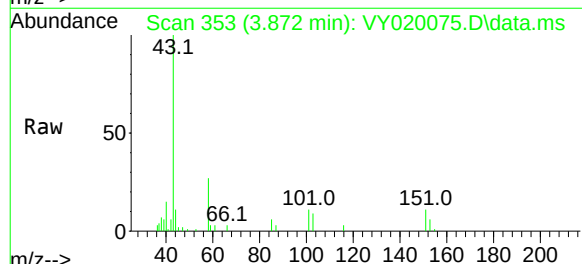
RT: 3.872 min Scan# 353

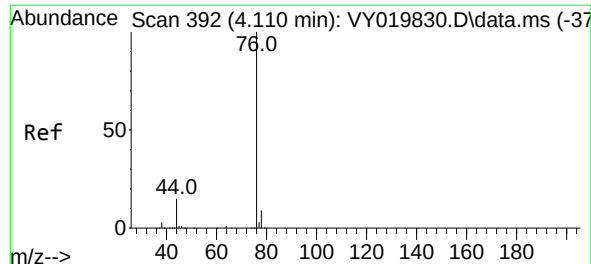
Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	43	Resp:	16105
Ion	Ratio	Lower	Upper
43	100		
58	26.6	31.7	47.5#





#17

Carbon Disulfide

Concen: 6.226 ug/l

RT: 4.116 min Scan# 39

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 43042

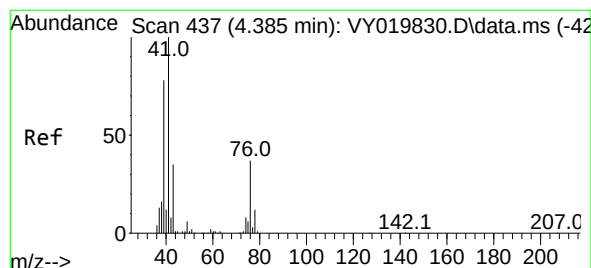
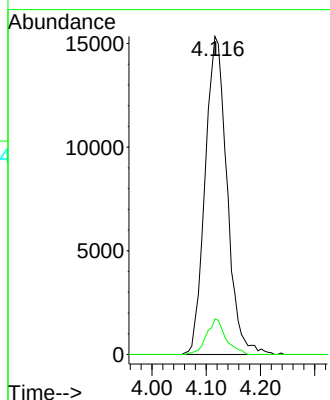
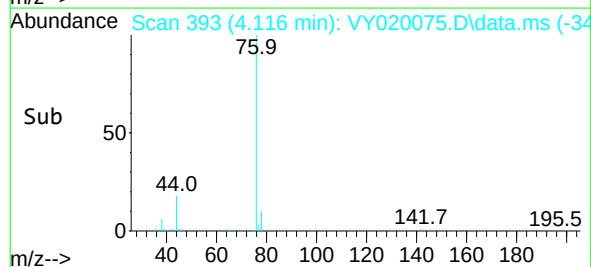
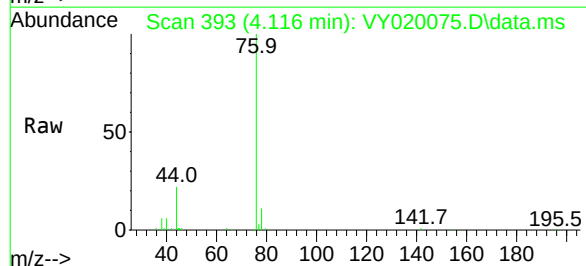
Ion Ratio Lower Upper

76 100

78 11.2 6.8 10.2#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#18

Methyl Acetate

Concen: 4.548 ug/l

RT: 4.403 min Scan# 440

Delta R.T. 0.018 min

Lab File: VY020075.D

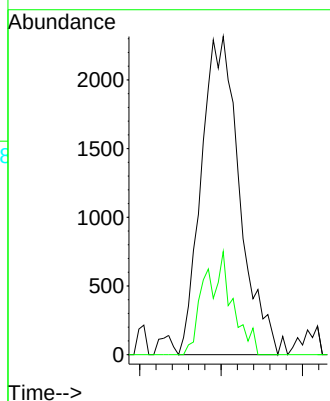
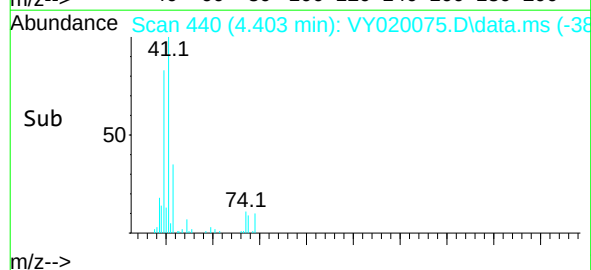
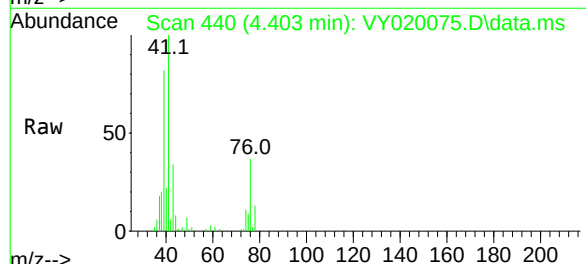
Acq: 30 Oct 2024 12:39

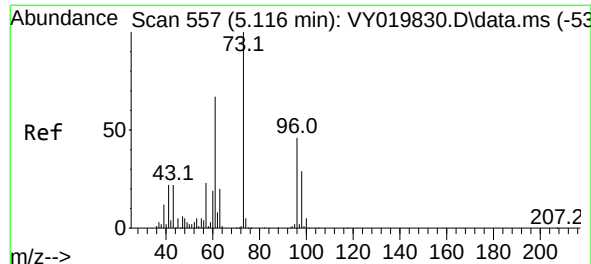
Tgt Ion: 43 Resp: 7550

Ion Ratio Lower Upper

43 100

74 10.3 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 3.989 ug/l

RT: 5.122 min Scan# 557

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 29558

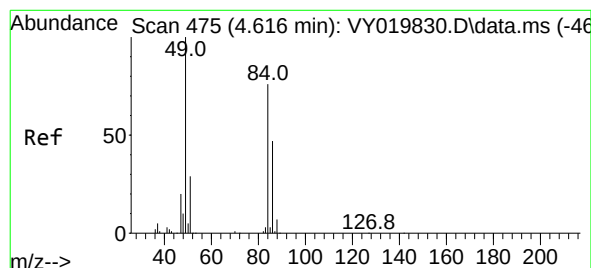
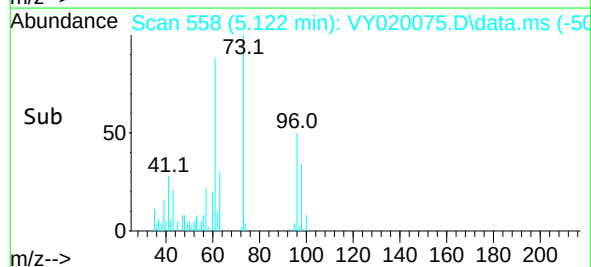
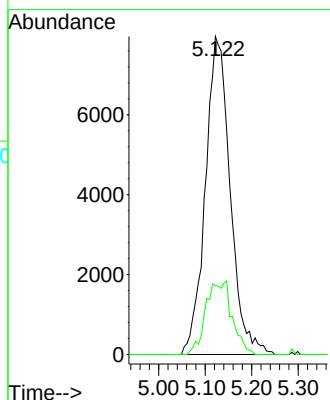
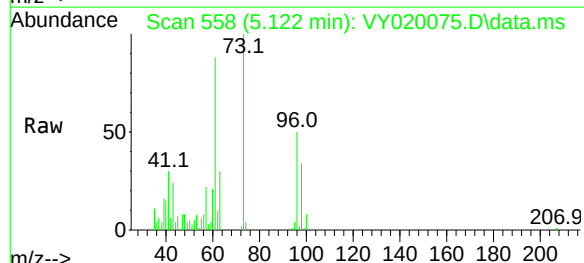
Ion Ratio Lower Upper

73 100

57 21.7 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#20

Methylene Chloride

Concen: 6.235 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion: 84 Resp: 19392

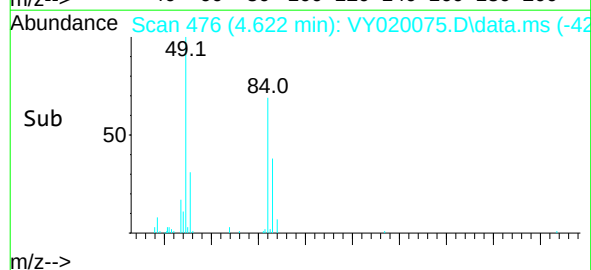
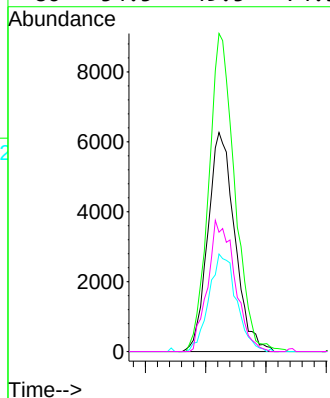
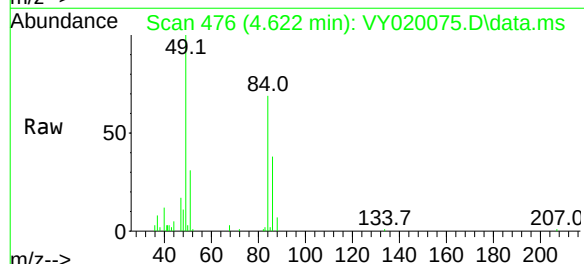
Ion Ratio Lower Upper

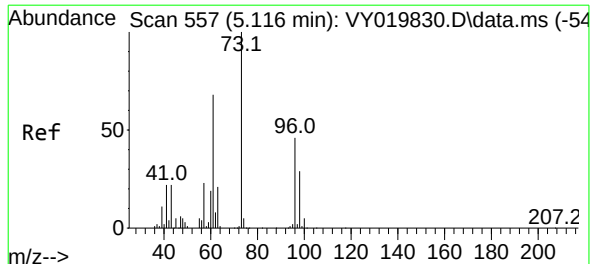
84 100

49 145.2 84.4 126.6#

51 44.5 26.0 39.0#

86 54.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 5.235 ug/l

RT: 5.128 min Scan# 557

Delta R.T. 0.018 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

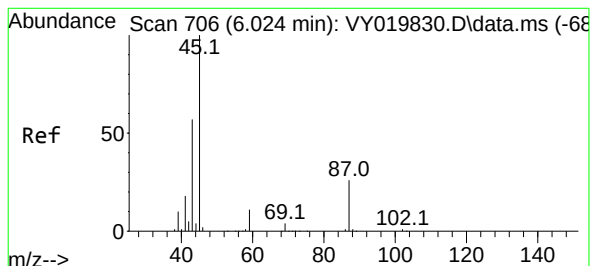
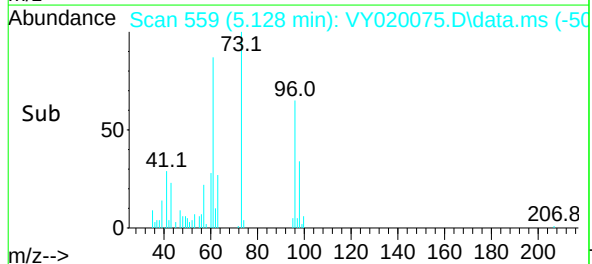
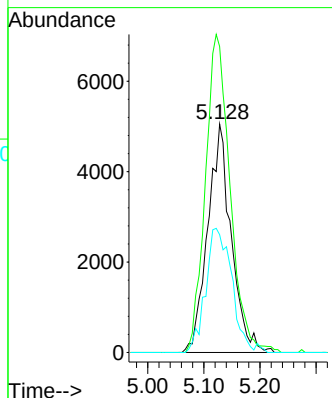
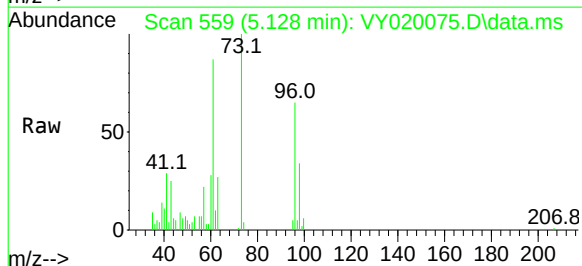
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	14695
Ion	Ratio	Lower	Upper
96	100		
61	133.9	97.5	146.3
98	51.6	50.5	75.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#22

Diisopropyl ether

Concen: 4.326 ug/l

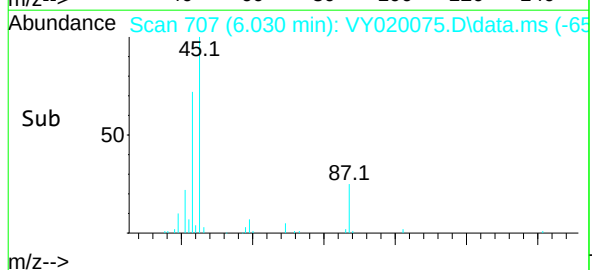
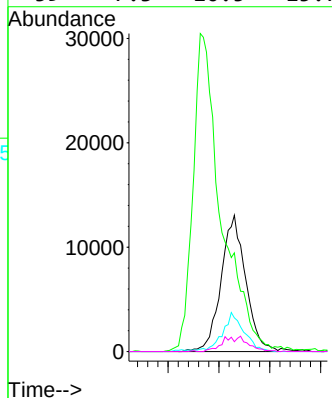
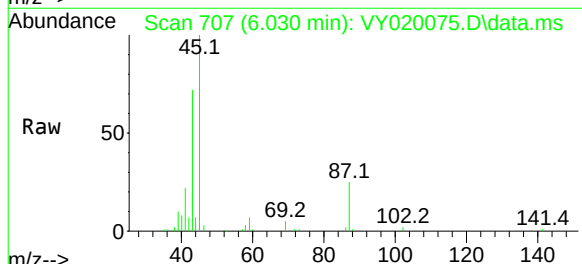
RT: 6.030 min Scan# 707

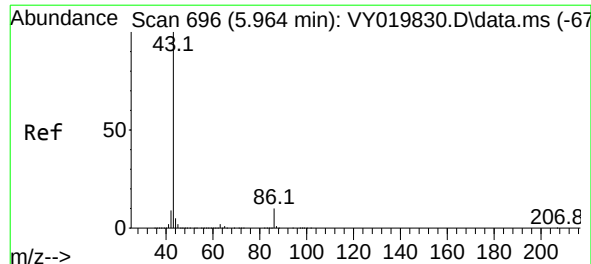
Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	45	Resp:	43856
Ion	Ratio	Lower	Upper
45	100		
43	69.2	42.2	63.2#
87	24.7	25.0	37.6#
59	7.3	10.5	15.7#





#23

Vinyl Acetate

Concen: 20.316 ug/l

RT: 5.963 min Scan# 69

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 118065

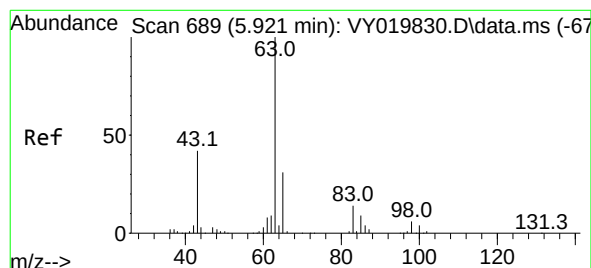
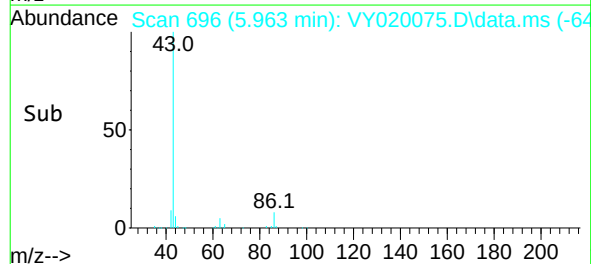
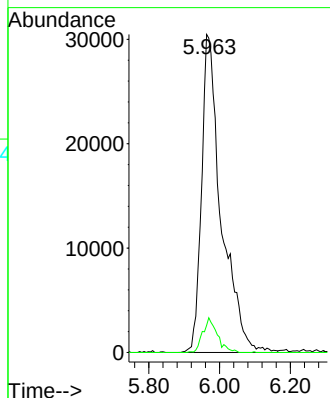
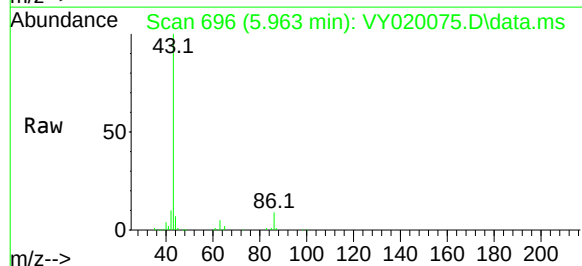
Ion Ratio Lower Upper

43 100

86 8.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#24

1,1-Dichloroethane

Concen: 4.929 ug/l

RT: 5.927 min Scan# 690

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

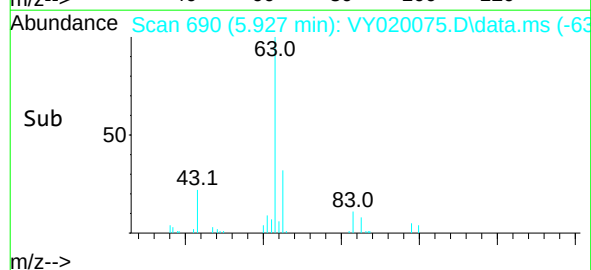
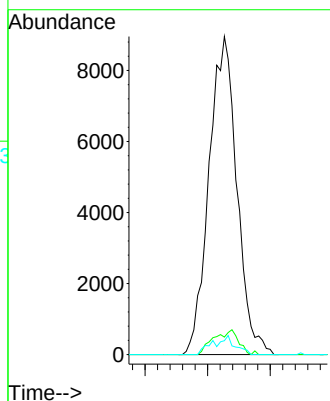
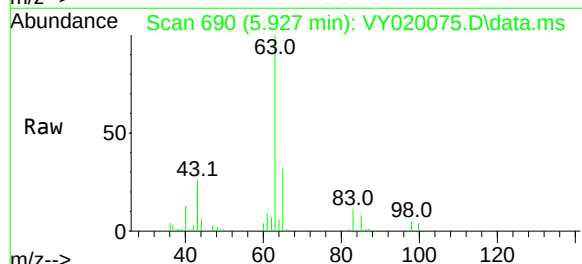
Tgt Ion: 63 Resp: 27775

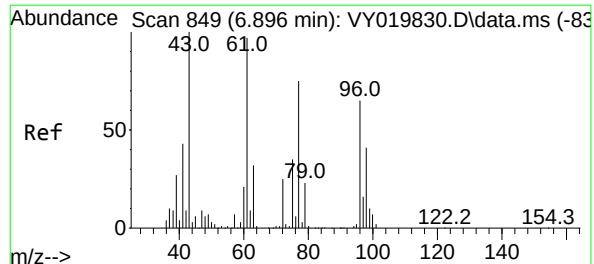
Ion Ratio Lower Upper

63 100

98 5.5 4.0 12.2

100 4.4 2.6 8.0





#25

2-Butanone

Concen: 21.745 ug/l

RT: 6.902 min Scan# 85

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 22431

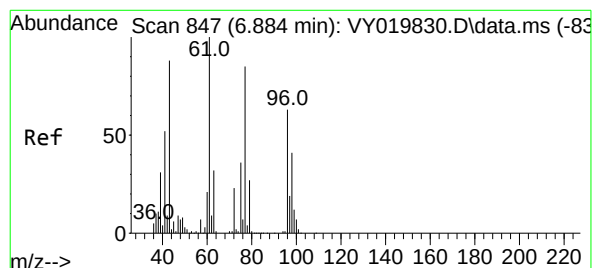
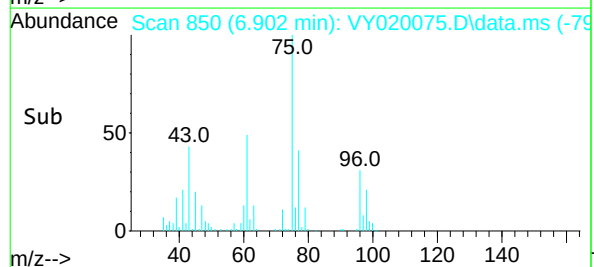
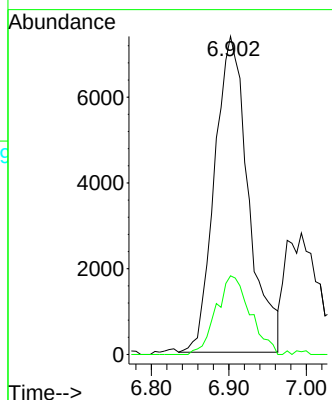
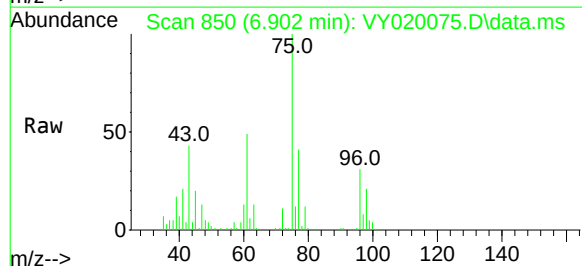
Ion Ratio Lower Upper

43 100

72 24.9 27.3 40.9#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#26

2,2-Dichloropropane

Concen: 4.999 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY020075.D

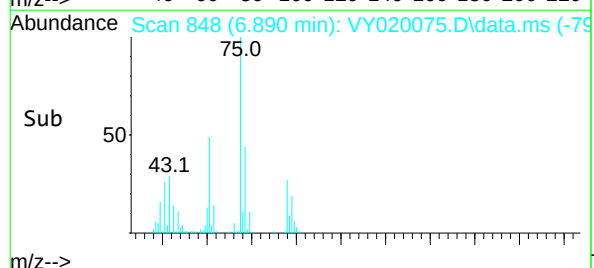
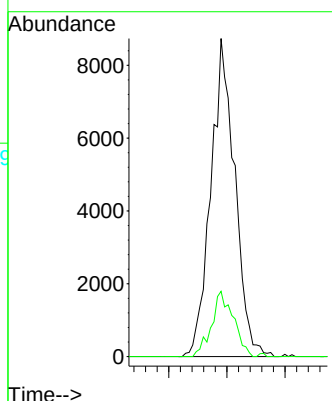
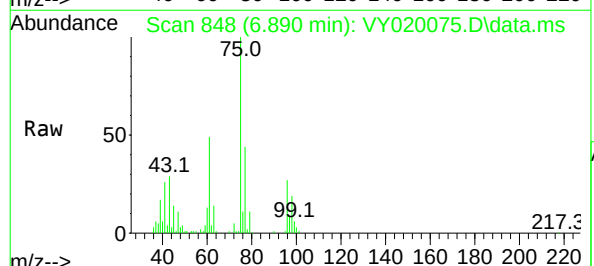
Acq: 30 Oct 2024 12:39

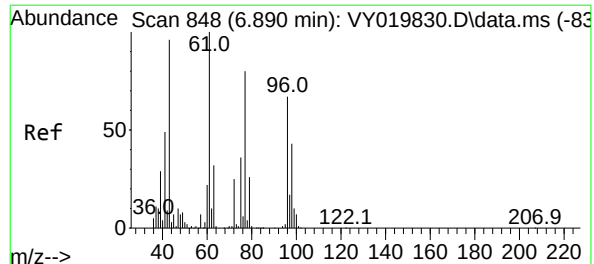
Tgt Ion: 77 Resp: 25086

Ion Ratio Lower Upper

77 100

97 18.6 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 4.480 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 15543

Ion Ratio Lower Upper

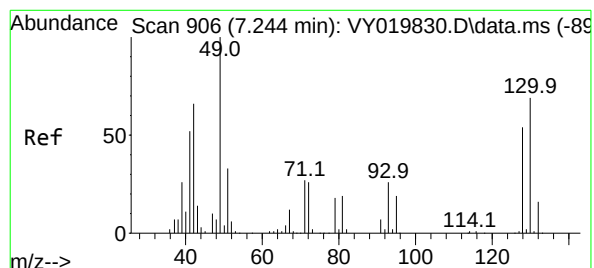
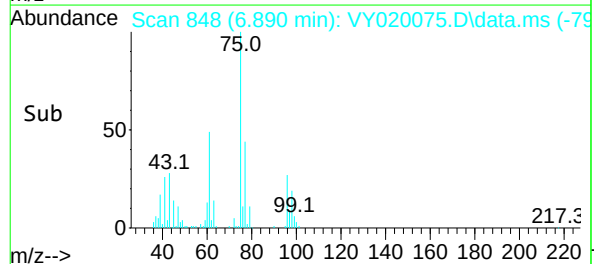
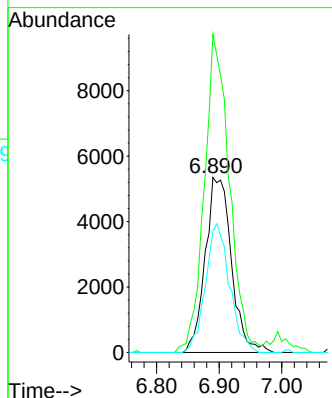
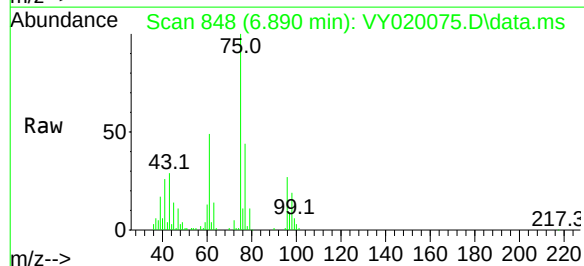
96 100

61 174.0 0.0 256.2

98 68.0 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#28

Bromochloromethane

Concen: 5.549 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

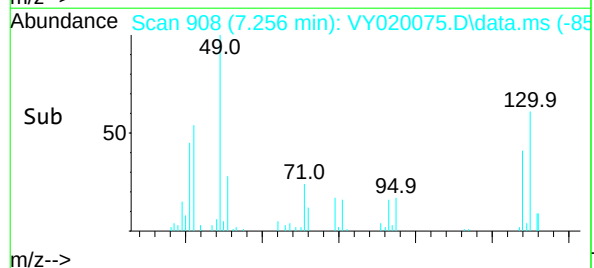
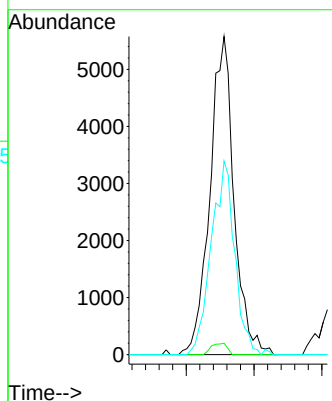
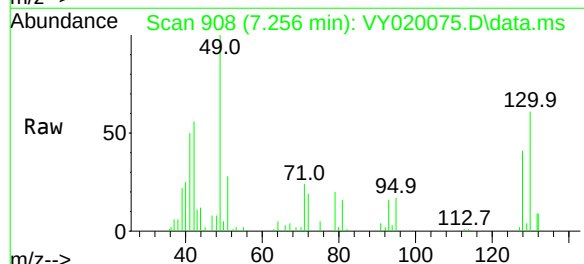
Tgt Ion: 49 Resp: 13763

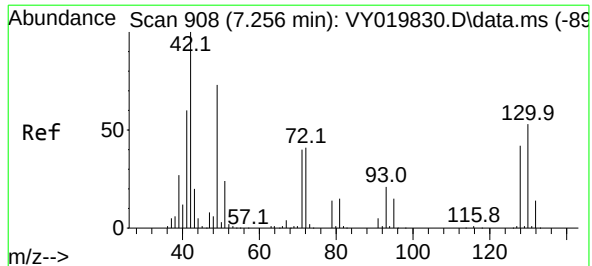
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 58.9 72.7 109.1#





#29

Tetrahydrofuran

Concen: 20.849 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 12286

Ion Ratio Lower Upper

42 100

72 43.3 43.0 64.4

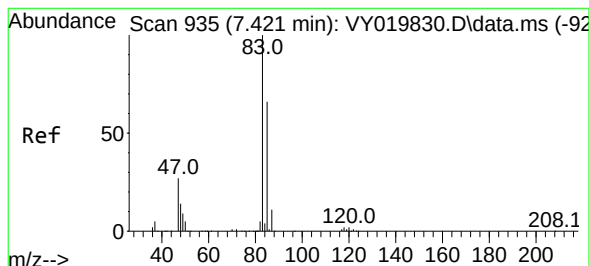
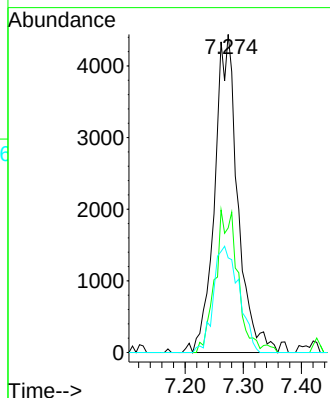
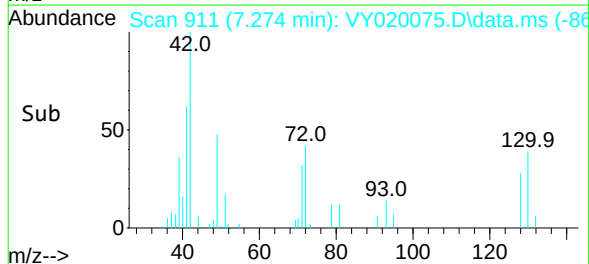
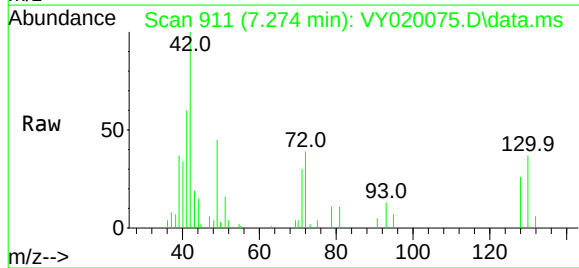
71 36.8 40.8 61.2#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#30

Chloroform

Concen: 4.776 ug/l

RT: 7.433 min Scan# 937

Delta R.T. 0.012 min

Lab File: VY020075.D

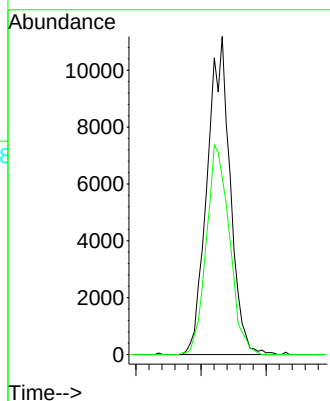
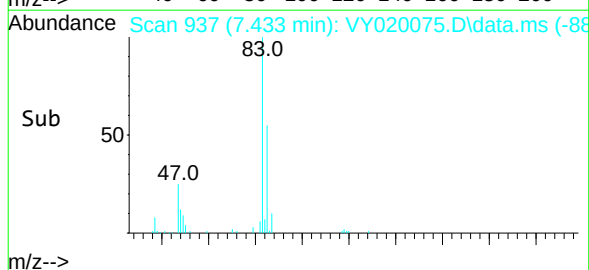
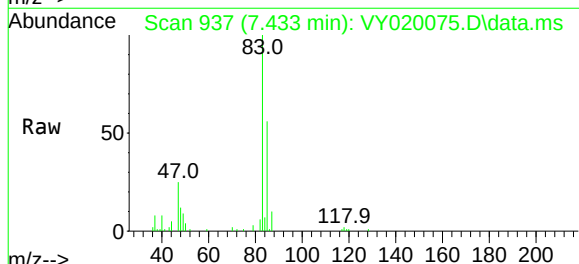
Acq: 30 Oct 2024 12:39

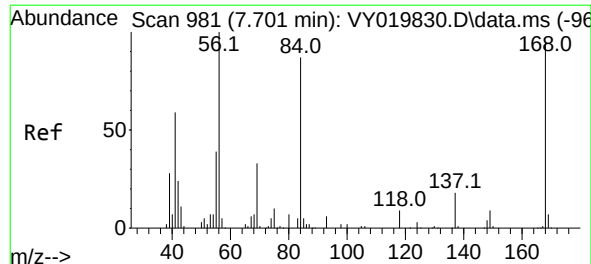
Tgt Ion: 83 Resp: 27437

Ion Ratio Lower Upper

83 100

85 55.7 52.2 78.4





#31

Cyclohexane

Concen: 6.243 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 30882

Ion Ratio Lower Upper

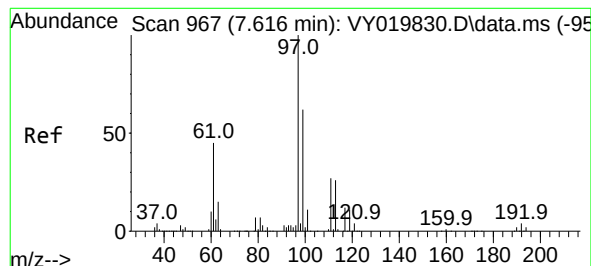
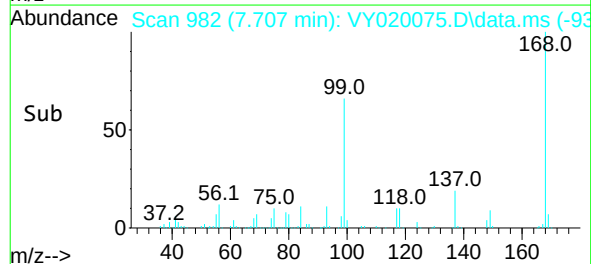
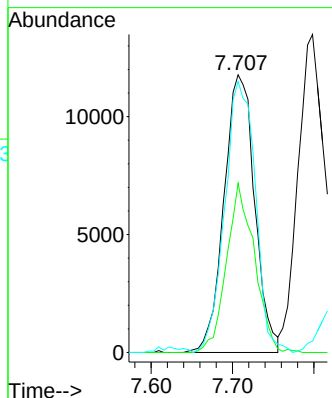
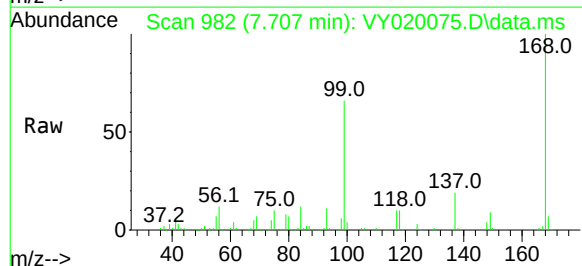
56 100

69 60.9 28.7 43.1#

84 96.5 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#32

1,1,1-Trichloroethane

Concen: 4.707 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

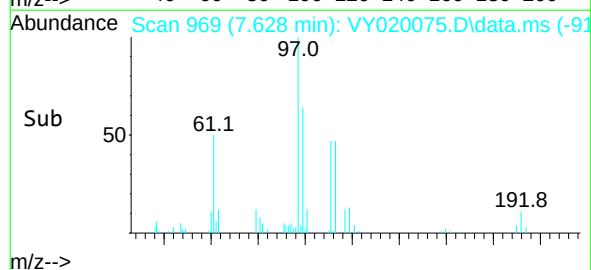
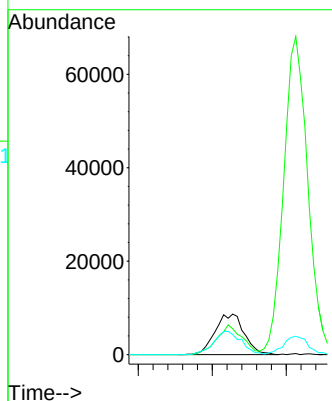
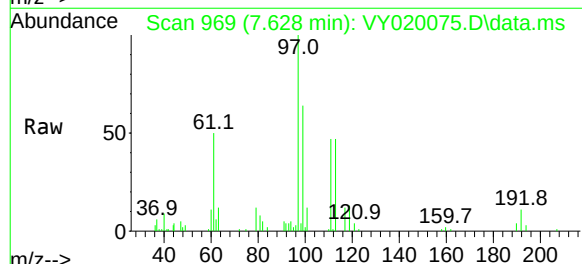
Tgt Ion: 97 Resp: 23695

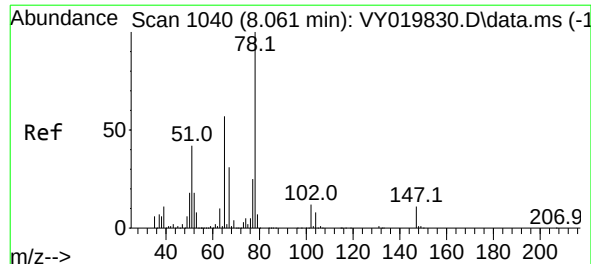
Ion Ratio Lower Upper

97 100

99 64.7 50.3 75.5

61 54.2 32.6 48.8#





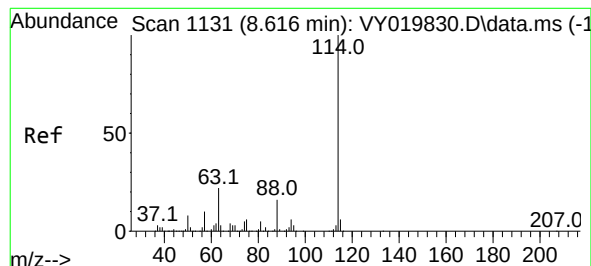
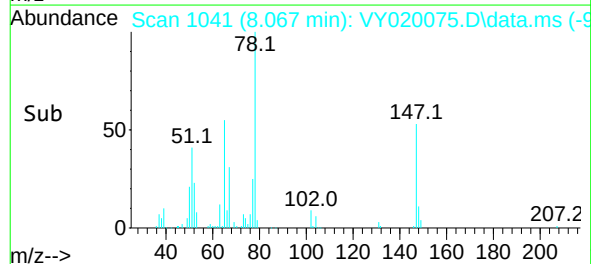
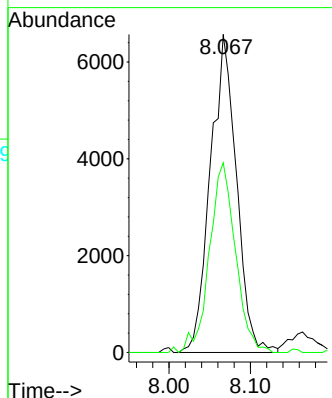
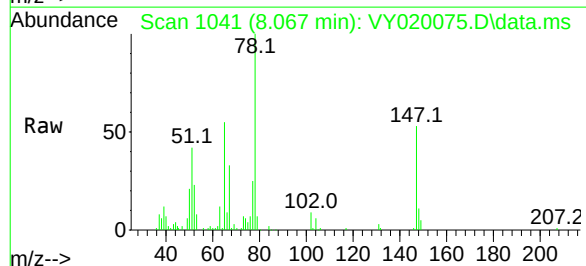
#33
1,2-Dichloroethane-d4
Concen: 4.940 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 14625
Ion Ratio Lower Upper
65 100
67 59.8 0.0 109.6

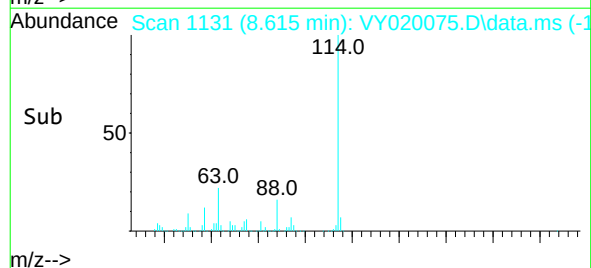
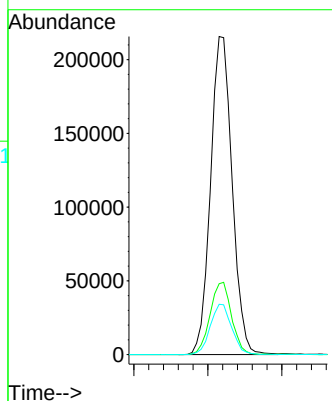
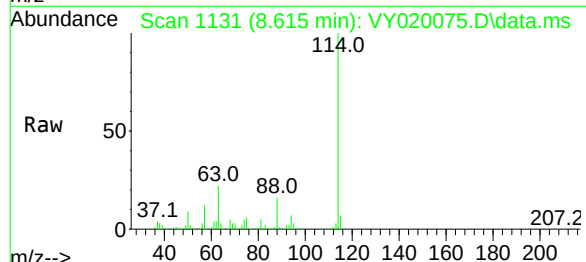
Manual Integrations
APPROVED

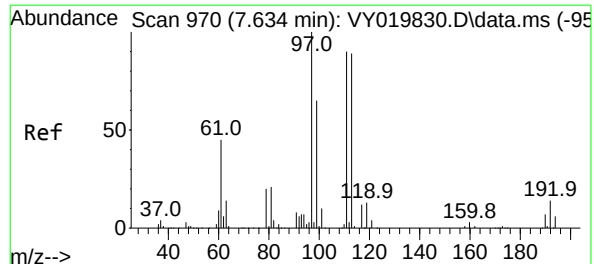
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Tgt Ion:114 Resp: 437202
Ion Ratio Lower Upper
114 100
63 22.3 0.0 35.0
88 15.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 4.621 ug/l

RT: 7.640 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 113 Resp: 13333

Ion Ratio Lower Upper

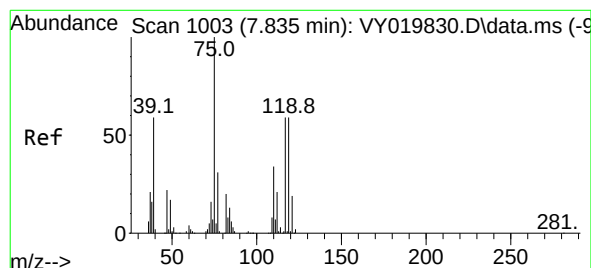
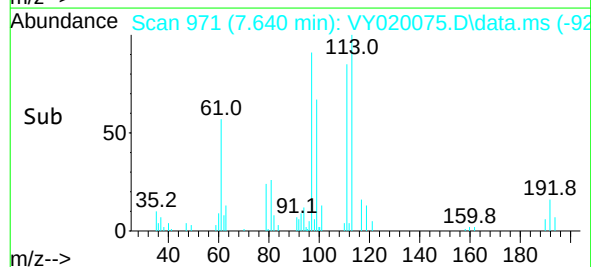
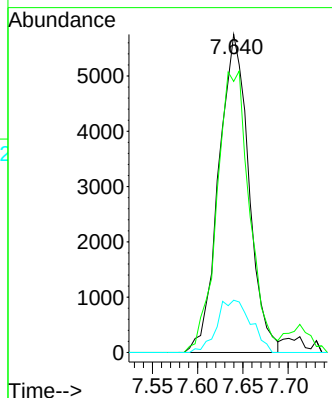
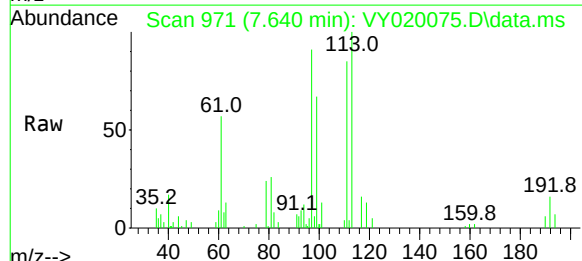
113 100

111 95.4 82.2 123.4

192 18.6 15.9 23.9

Manual Integrations

APPROVED

Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024

#36

1,1-Dichloropropene

Concen: 5.069 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

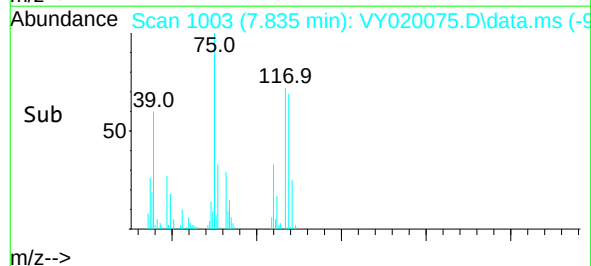
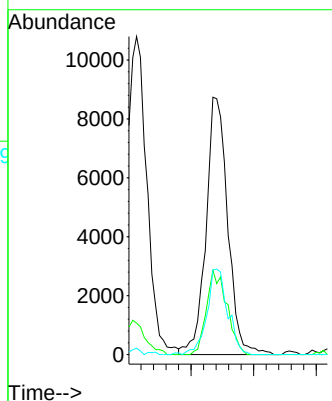
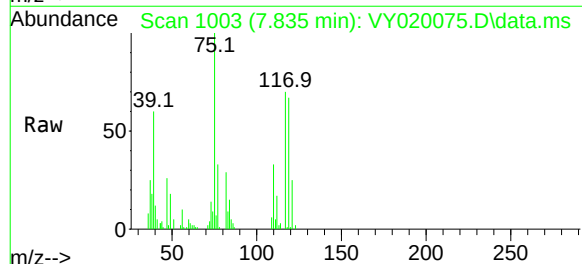
Tgt Ion: 75 Resp: 21067

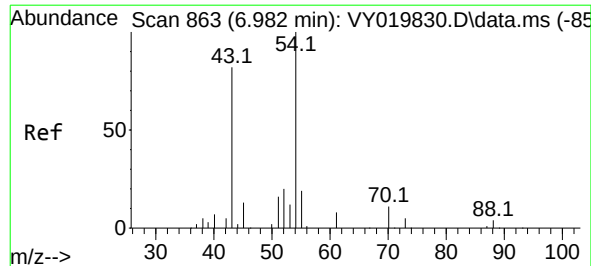
Ion Ratio Lower Upper

75 100

110 30.8 19.0 57.0

77 31.9 25.3 37.9





#37

Ethyl Acetate

Concen: 4.687 ug/l m

RT: 6.994 min Scan# 86

Delta R.T. 0.012 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 10158

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

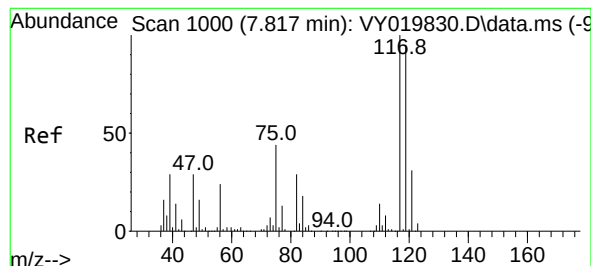
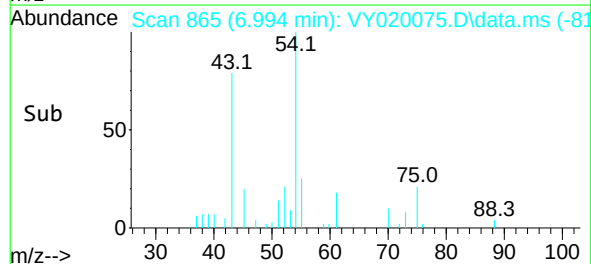
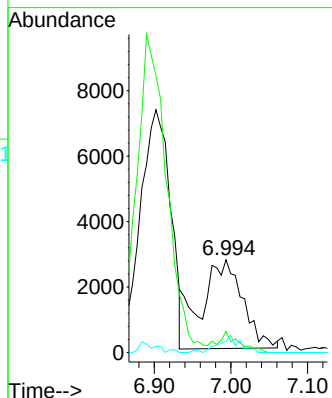
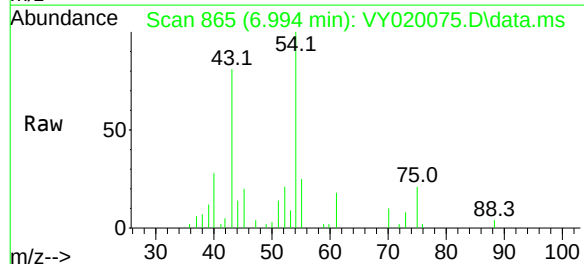
70 0.0 7.8 11.8#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 4.583 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

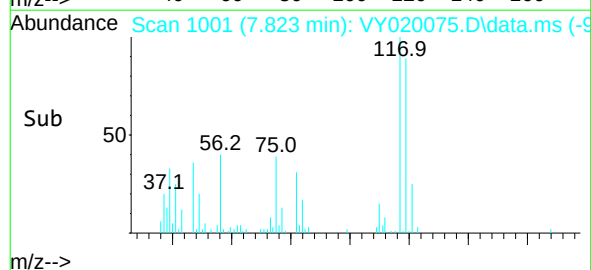
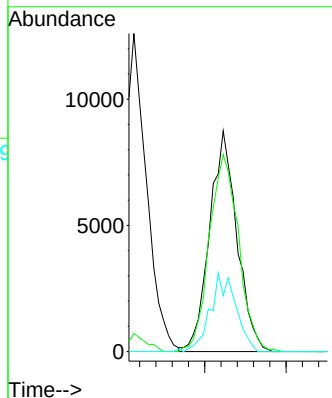
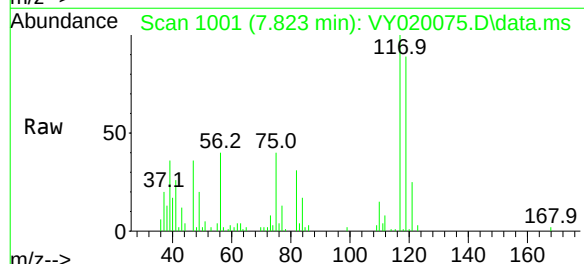
Tgt Ion:117 Resp: 20423

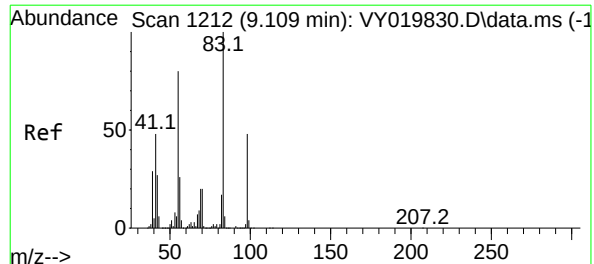
Ion Ratio Lower Upper

117 100

119 89.3 75.8 113.6

121 25.3 24.0 36.0





#39

Methylcyclohexane

Concen: 5.033 ug/l

RT: 9.115 min Scan# 1212

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

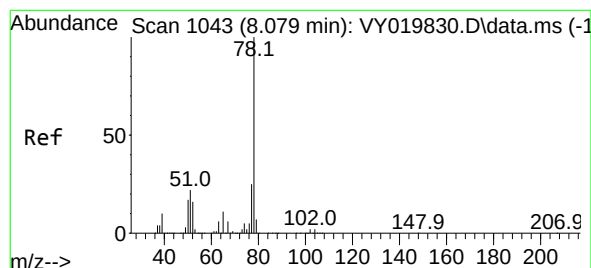
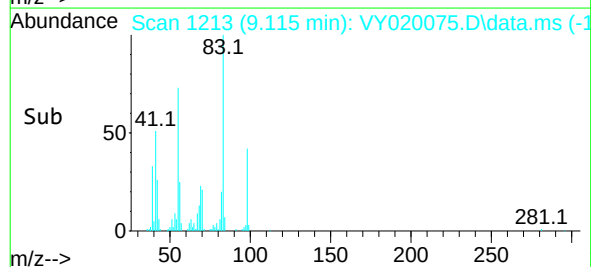
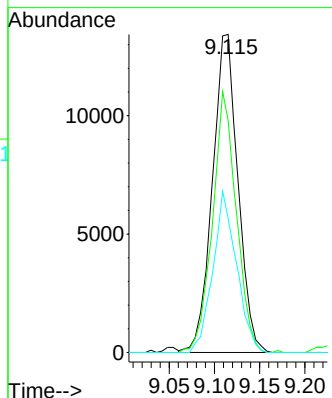
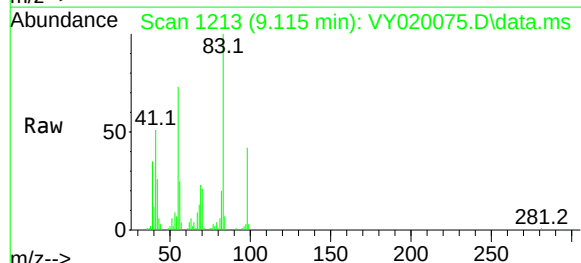
ClientSampleId :

VSTDICC005

Tgt Ion:	83	Resp:	26360
Ion	Ratio	Lower	Upper
83	100		
55	72.9	51.5	77.3
98	42.1	40.5	60.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#40

Benzene

Concen: 4.915 ug/l

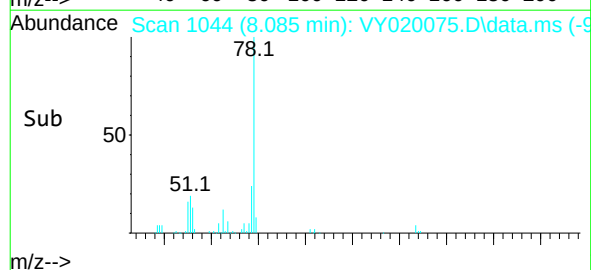
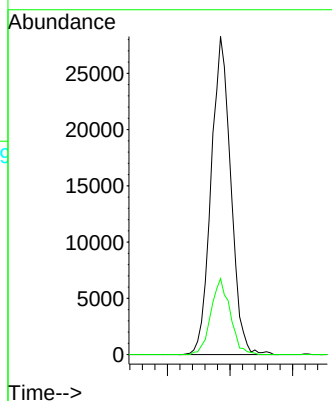
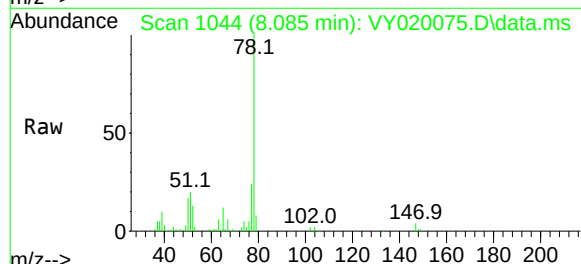
RT: 8.085 min Scan# 1044

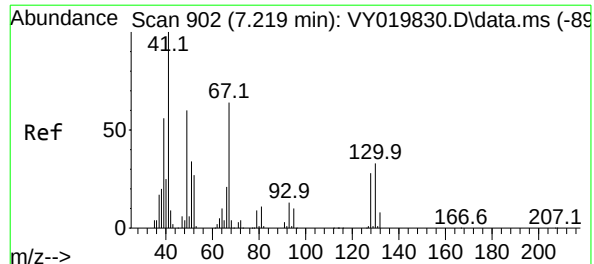
Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	78	Resp:	61822
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





#41

Methacrylonitrile

Concen: 2.951 ug/l

RT: 7.225 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 41 Resp: 3462

Ion Ratio Lower Upper

41 100

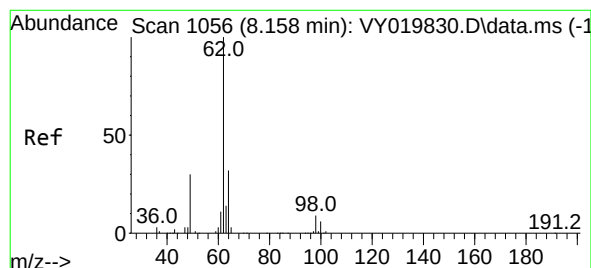
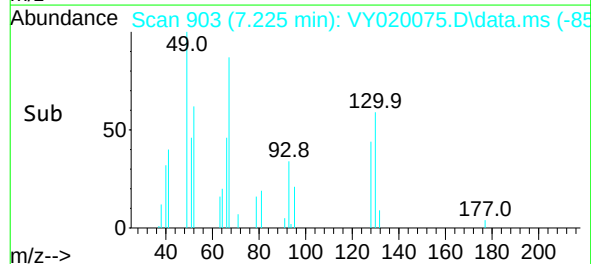
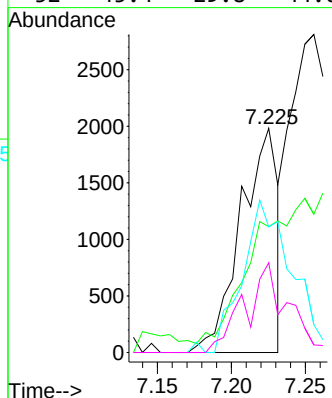
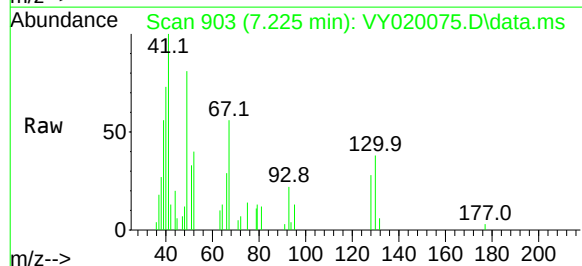
39 0.0 48.0 72.0#

67 93.5 75.1 112.7

52 45.4 29.8 44.6#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#42

1,2-Dichloroethane

Concen: 4.588 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VY020075.D

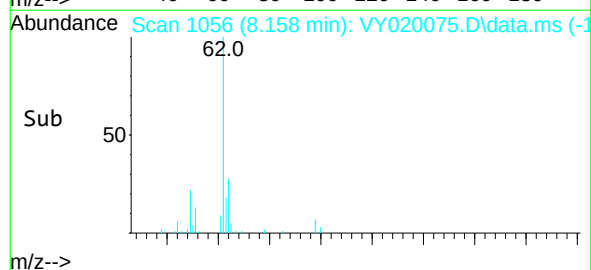
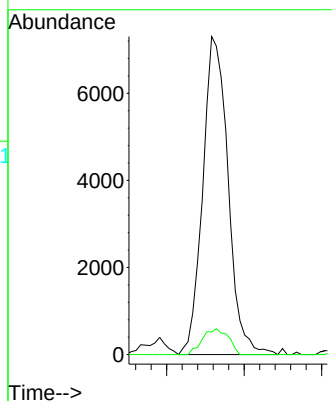
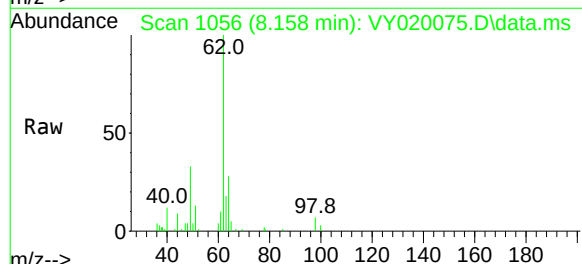
Acq: 30 Oct 2024 12:39

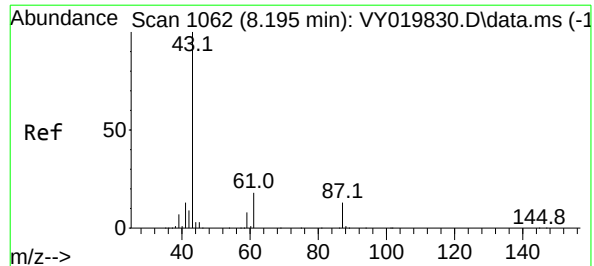
Tgt Ion: 62 Resp: 16581

Ion Ratio Lower Upper

62 100

98 8.3 0.0 22.0





#43

Isopropyl Acetate

Concen: 3.861 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 17066

Ion Ratio Lower Upper

43 100

61 31.5 27.9 41.9

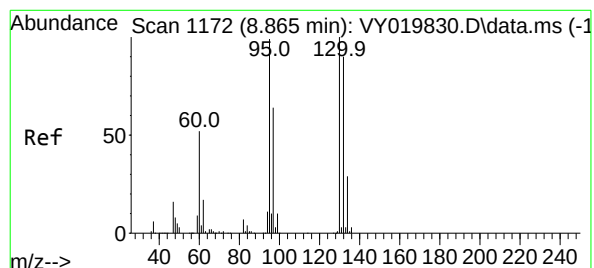
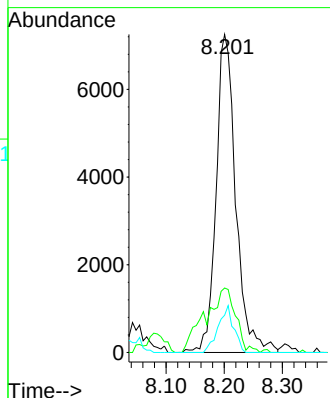
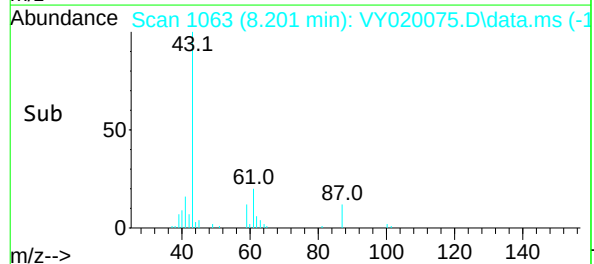
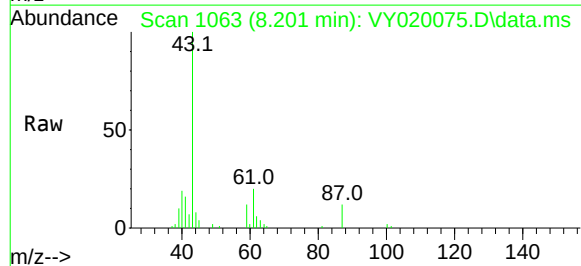
87 11.5 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 4.711 ug/l

RT: 8.871 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VY020075.D

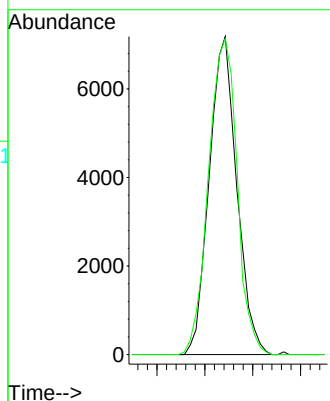
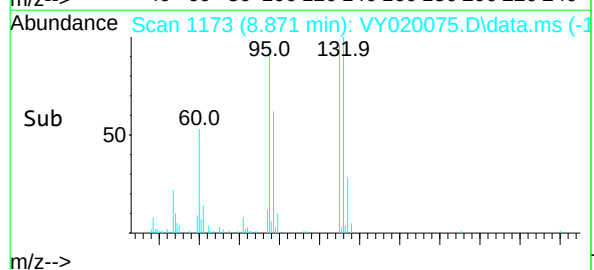
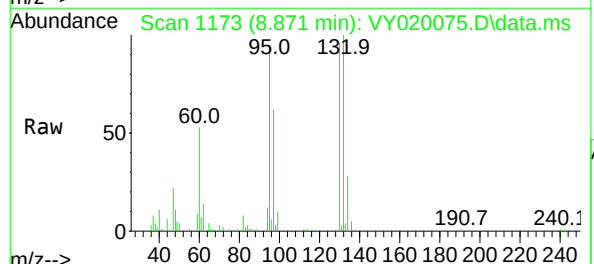
Acq: 30 Oct 2024 12:39

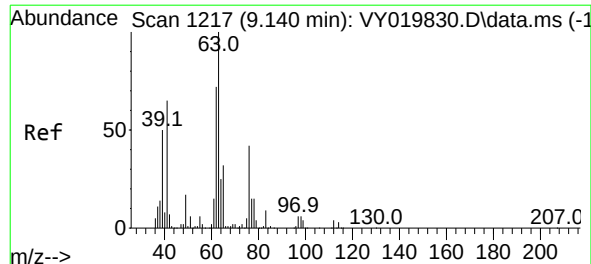
Tgt Ion:130 Resp: 14352

Ion Ratio Lower Upper

130 100

95 99.3 0.0 188.0





#45

1,2-Dichloropropane

Concen: 4.485 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 14120

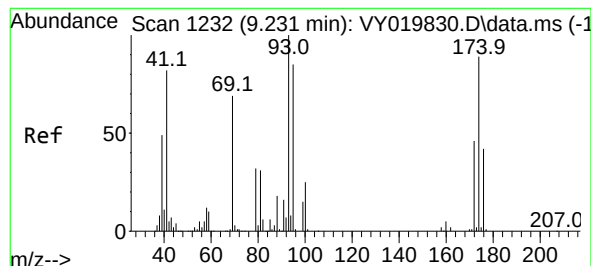
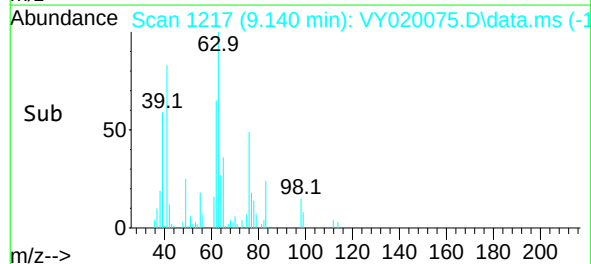
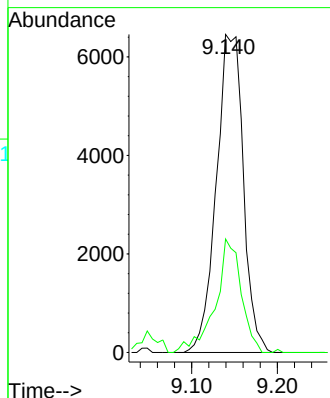
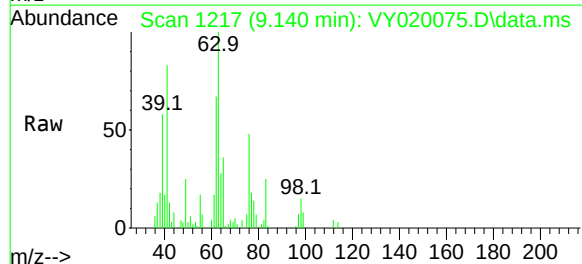
Ion Ratio Lower Upper

63 100

65 34.7 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#46

Dibromomethane

Concen: 4.387 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

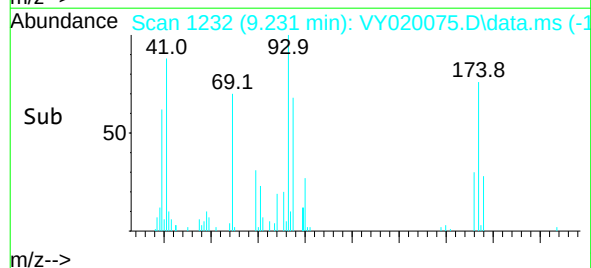
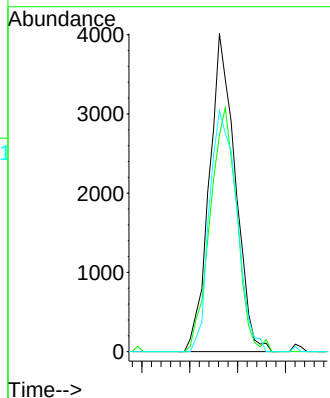
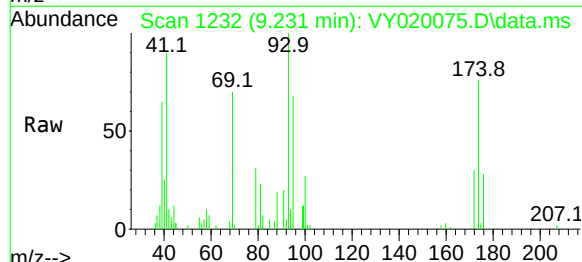
Tgt Ion: 93 Resp: 7547

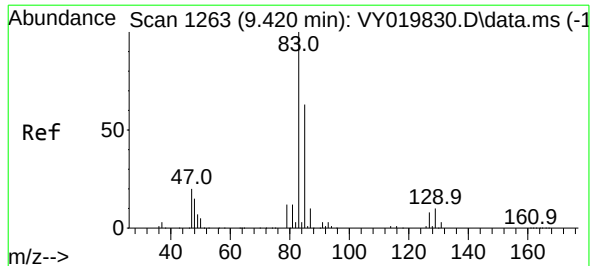
Ion Ratio Lower Upper

93 100

95 79.1 66.2 99.4

174 79.9 80.9 121.3#





#47

Bromodichloromethane

Concen: 4.393 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

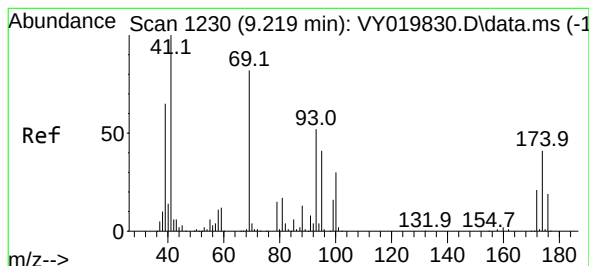
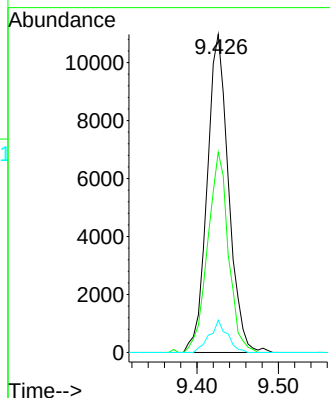
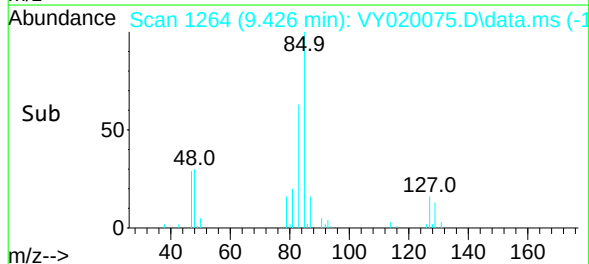
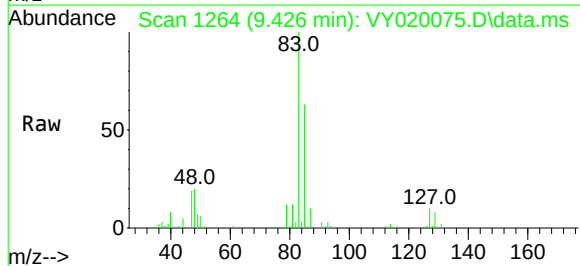
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	20060
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.1	75.1
127	10.2	7.4	11.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48

Methyl methacrylate

Concen: 3.615 ug/l

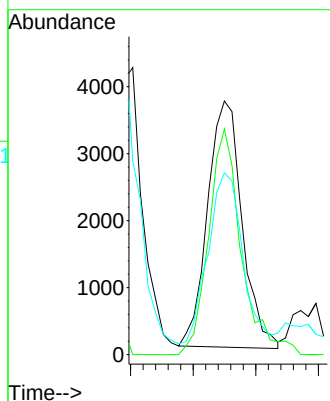
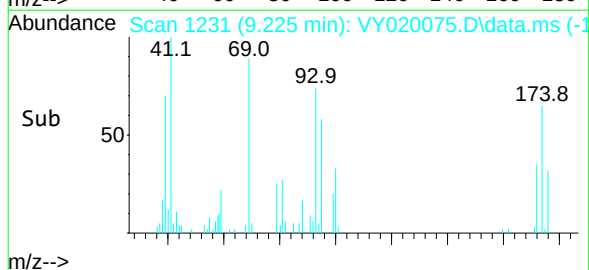
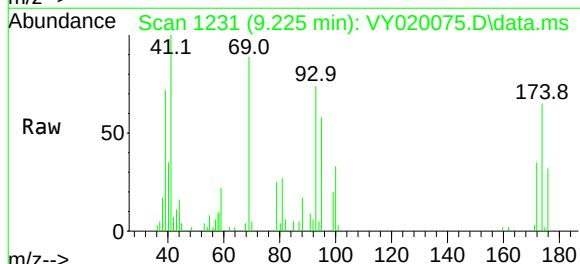
RT: 9.225 min Scan# 1231

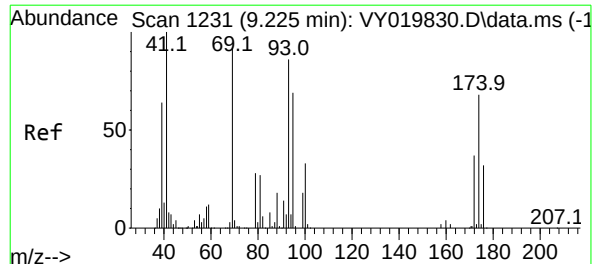
Delta R.T. 0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	41	Resp:	7028
Ion	Ratio	Lower	Upper
41	100		
69	86.9	84.1	126.1
39	68.9	43.6	65.4





#49

1,4-Dioxane

Concen: 79.001 ug/l

RT: 9.231 min Scan# 12

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 1521

Ion Ratio Lower Upper

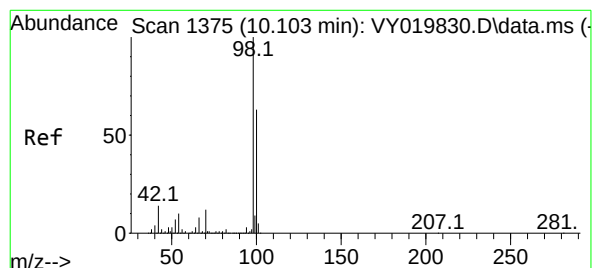
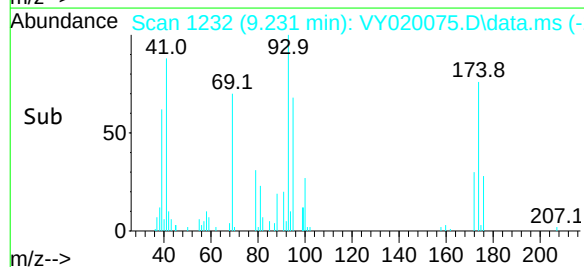
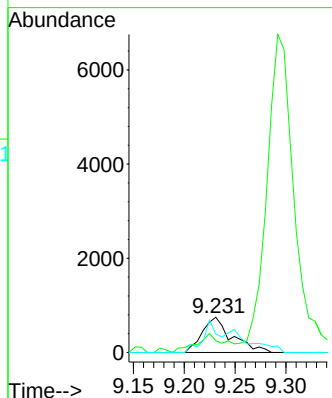
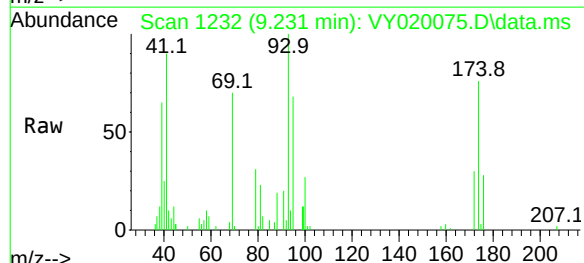
88 100

43 50.0 0.0 0.0#

58 46.8 49.3 73.9#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#50

Toluene-d8

Concen: 4.872 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020075.D

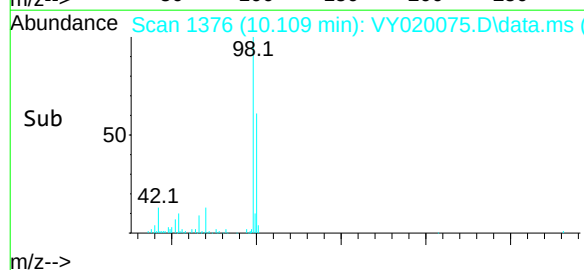
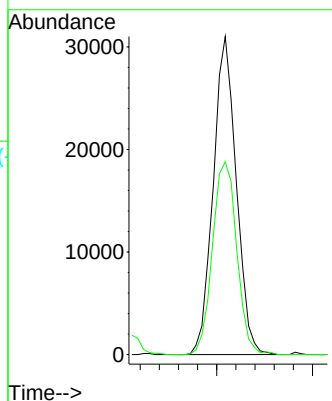
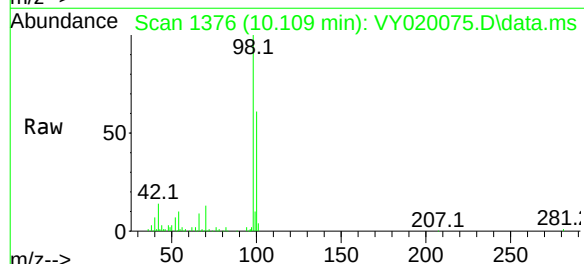
Acq: 30 Oct 2024 12:39

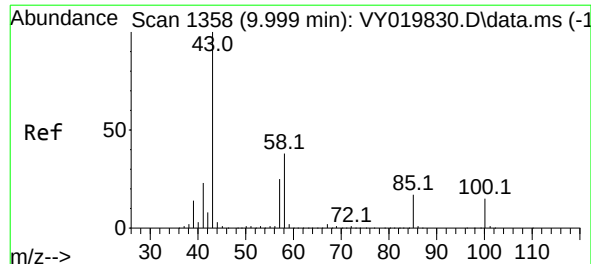
Tgt Ion: 98 Resp: 51902

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 18.434 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 41560

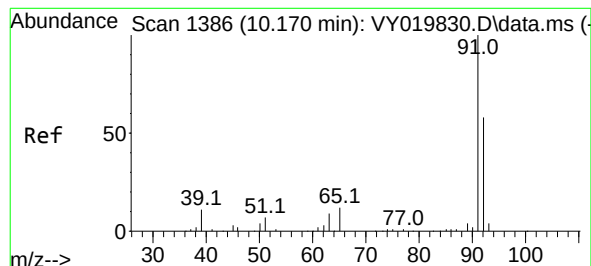
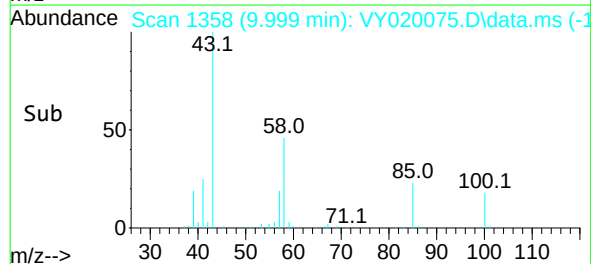
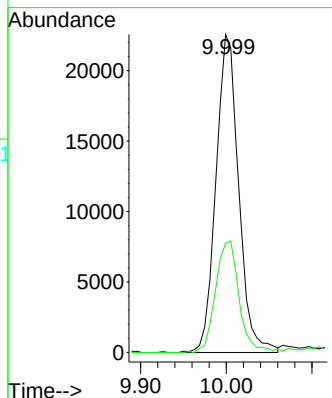
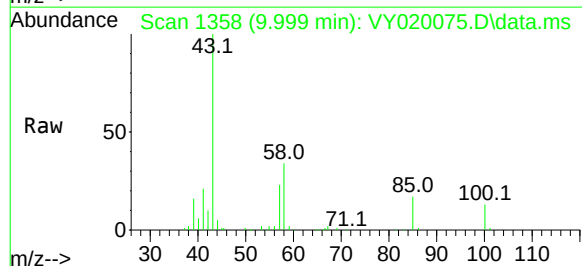
Ion Ratio Lower Upper

43 100

58 36.3 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#52

Toluene

Concen: 4.474 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY020075.D

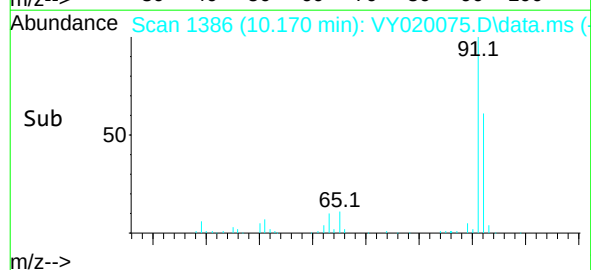
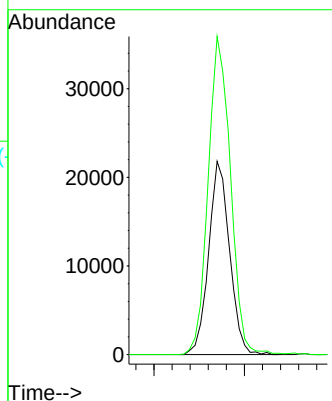
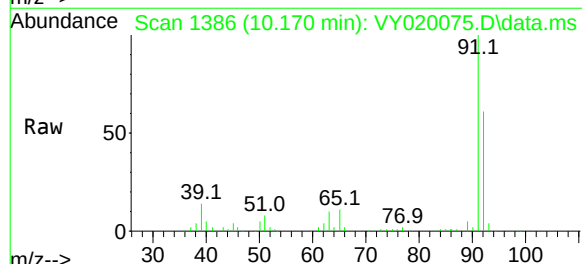
Acq: 30 Oct 2024 12:39

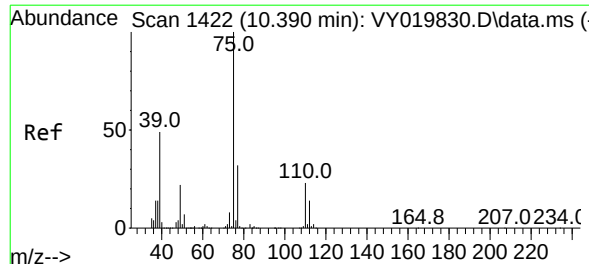
Tgt Ion: 92 Resp: 35127

Ion Ratio Lower Upper

92 100

91 175.4 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 3.926 ug/l

RT: 10.395 min Scan# 1422

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 16130

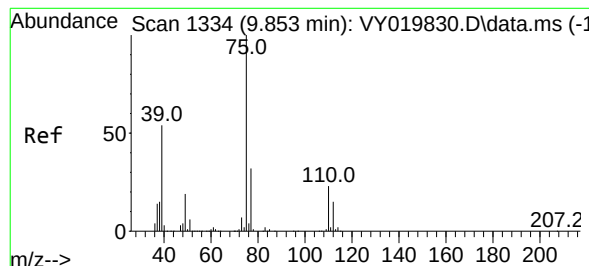
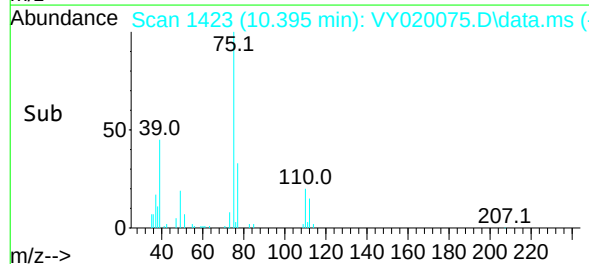
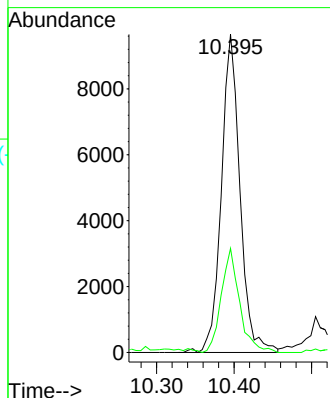
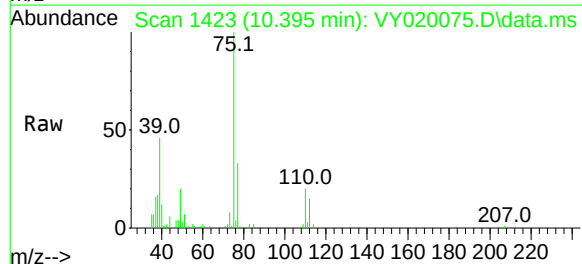
Ion Ratio Lower Upper

75 100

77 32.7 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#54

cis-1,3-Dichloropropene

Concen: 4.024 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

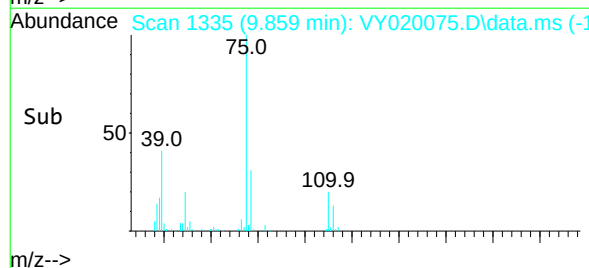
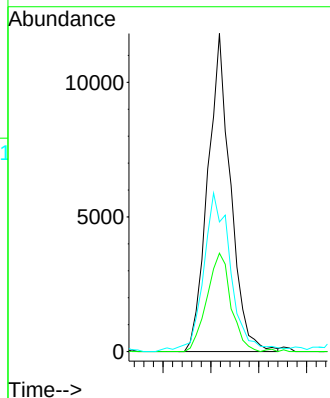
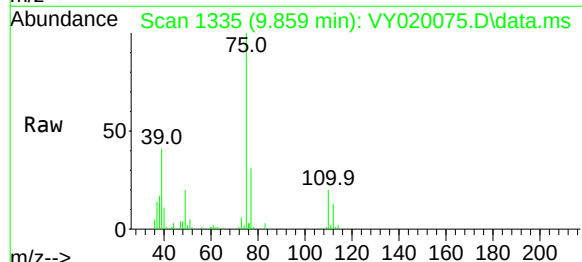
Tgt Ion: 75 Resp: 19506

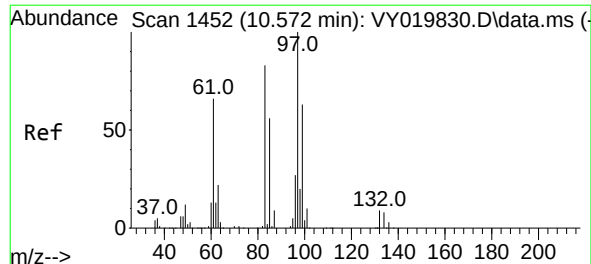
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 39.6 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 3.969 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

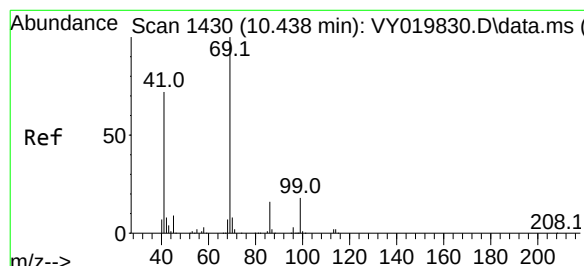
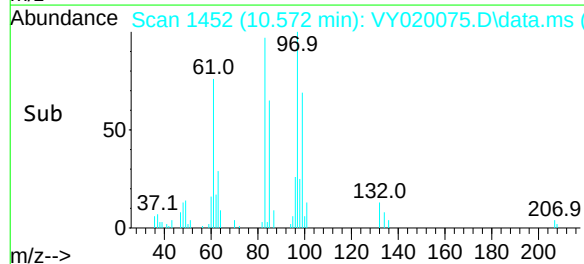
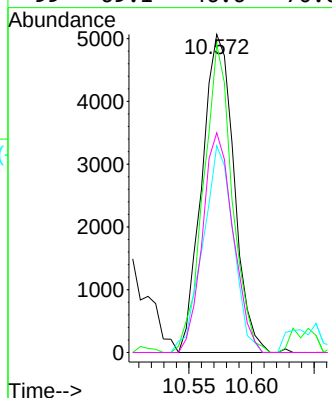
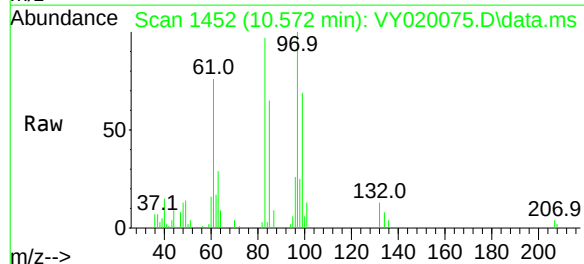
ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	8995
Ion	Ratio	Lower	Upper
97	100		
83	96.9	67.5	101.3
85	65.0	42.9	64.3#
99	69.1	46.6	70.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#56

Ethyl methacrylate

Concen: 3.367 ug/l

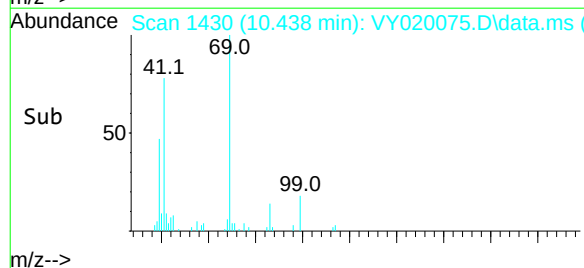
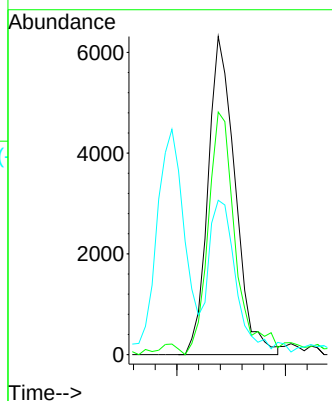
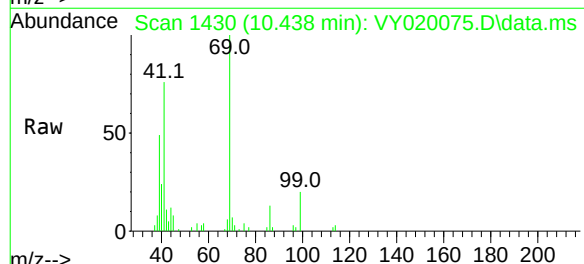
RT: 10.438 min Scan# 1430

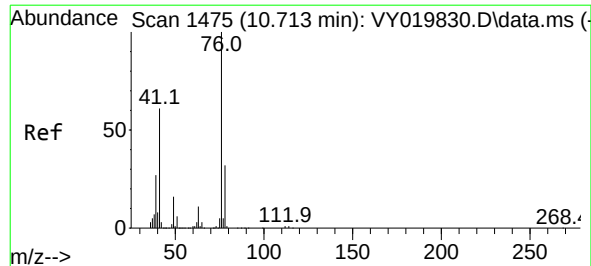
Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	69	Resp:	10951
Ion	Ratio	Lower	Upper
69	100		
41	77.1	42.3	63.5#
39	48.1	22.9	34.3#





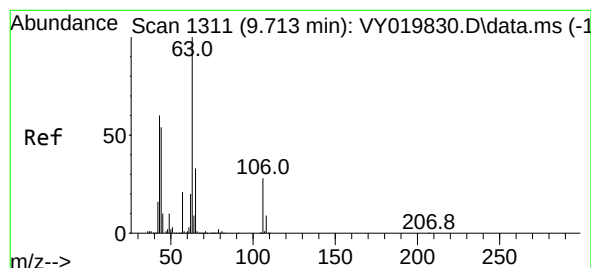
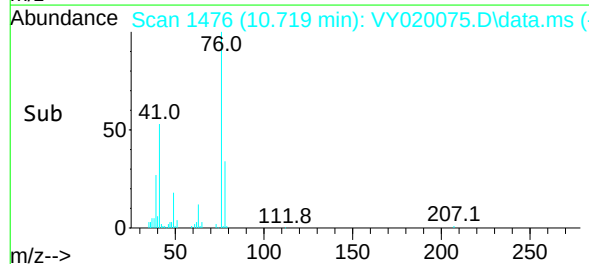
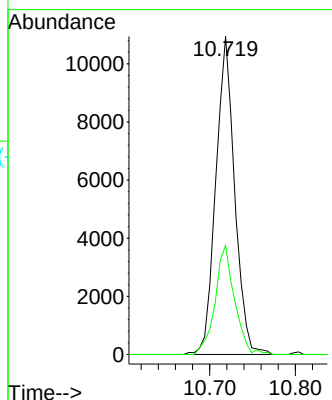
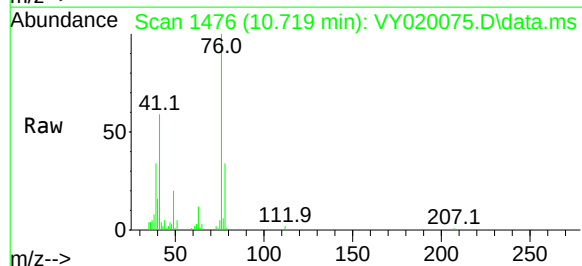
#57
1,3-Dichloropropane
Concen: 4.207 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Instrument : MSVOA_Y
ClientSampleId : VSTDICC005

Tgt Ion: 76 Resp: 16743
Ion Ratio Lower Upper
76 100
78 35.4 26.2 39.4

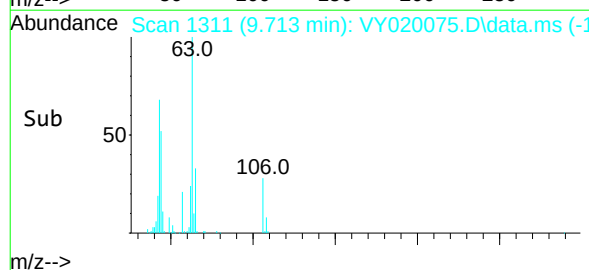
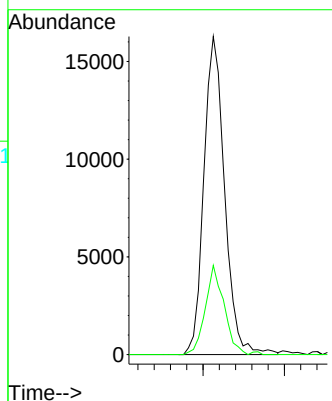
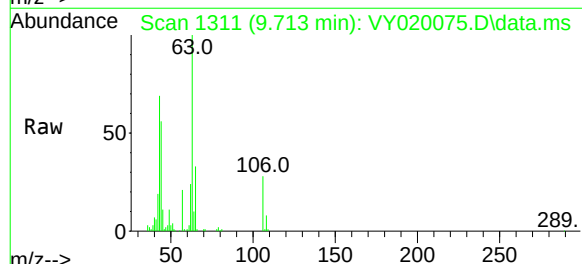
Manual Integrations
APPROVED

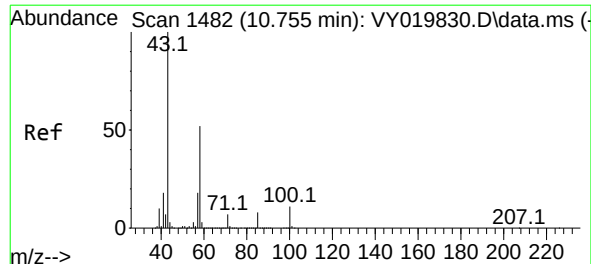
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#58
2-Chloroethyl Vinyl ether
Concen: 19.057 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Tgt Ion: 63 Resp: 28850
Ion Ratio Lower Upper
63 100
106 25.3 23.7 35.5





#59

2-Hexanone

Concen: 17.775 ug/l

RT: 10.761 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 28622

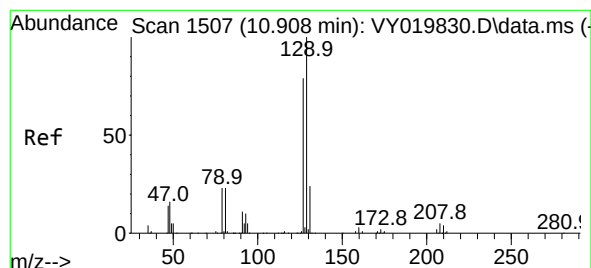
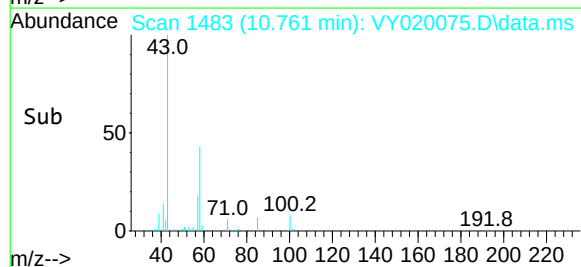
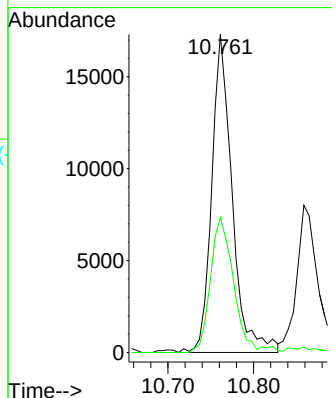
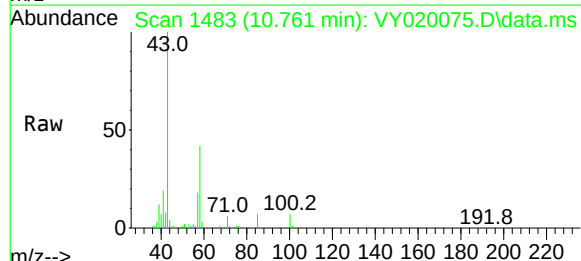
Ion Ratio Lower Upper

43 100

58 47.7 31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#60

Dibromochloromethane

Concen: 3.844 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VY020075.D

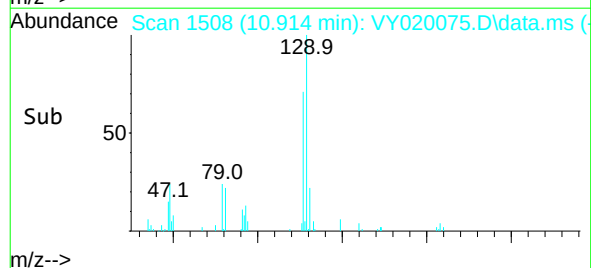
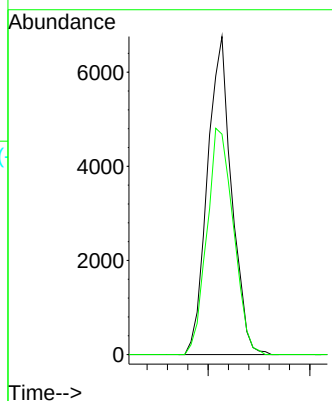
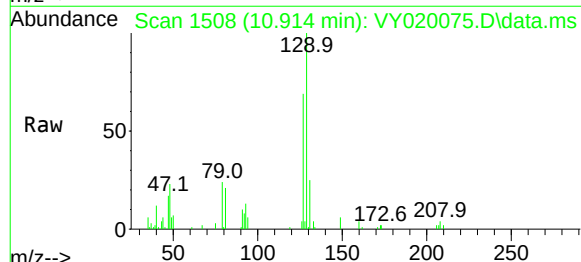
Acq: 30 Oct 2024 12:39

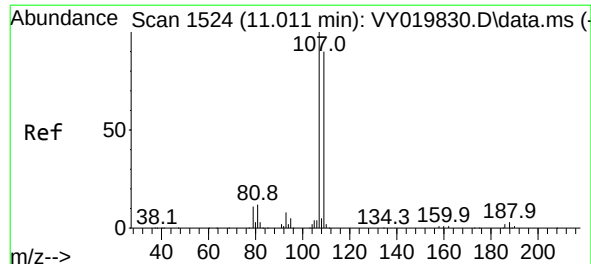
Tgt Ion:129 Resp: 11181

Ion Ratio Lower Upper

129 100

127 78.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 4.329 ug/l

RT: 11.017 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 8865

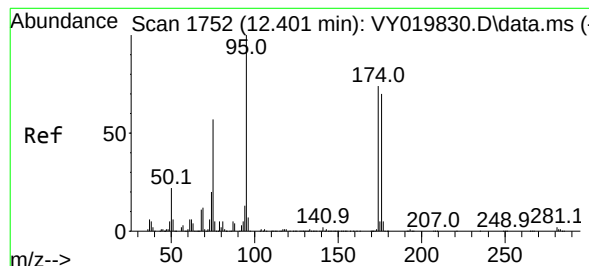
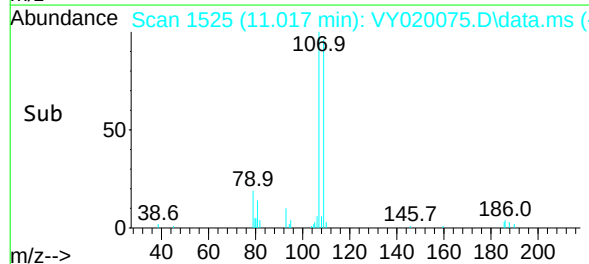
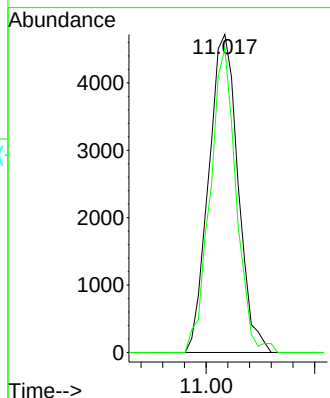
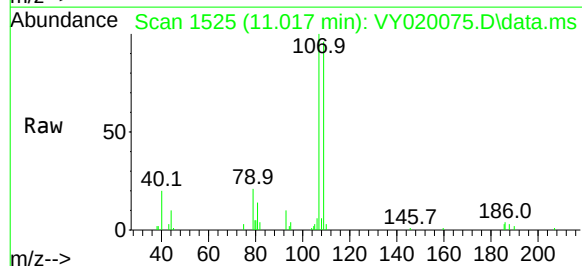
Ion Ratio Lower Upper

107 100

109 85.3 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#62

4-Bromofluorobenzene

Concen: 4.210 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

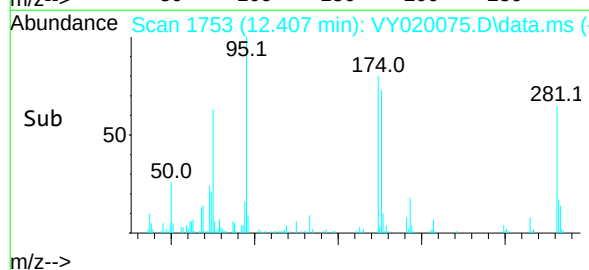
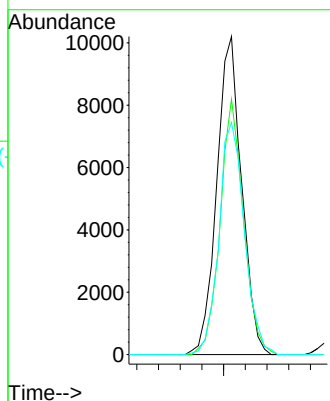
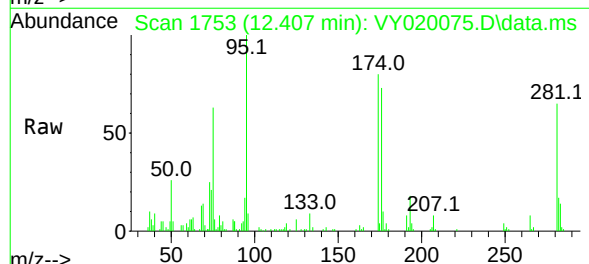
Tgt Ion: 95 Resp: 16208

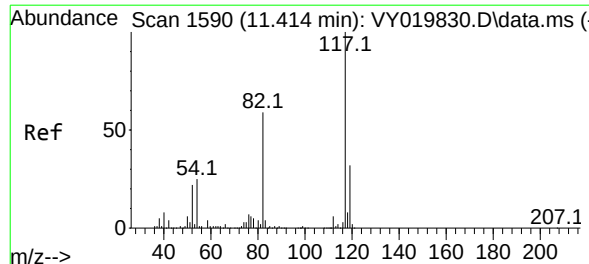
Ion Ratio Lower Upper

95 100

174 75.5 0.0 175.6

176 74.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 367609

Ion Ratio Lower Upper

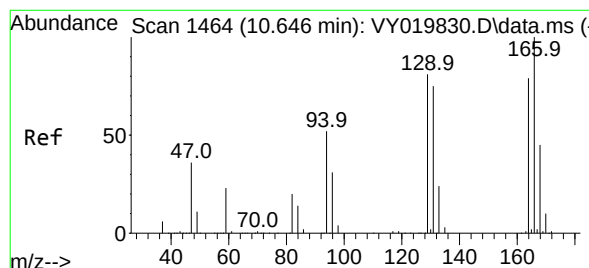
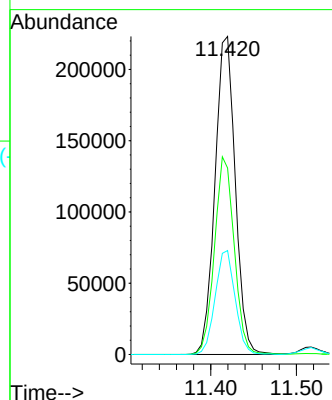
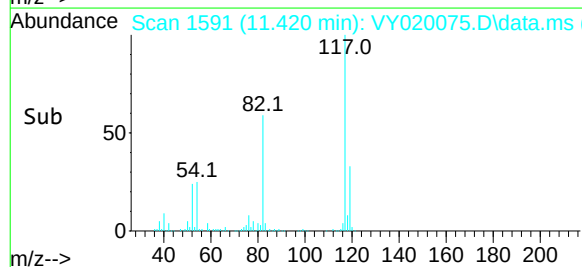
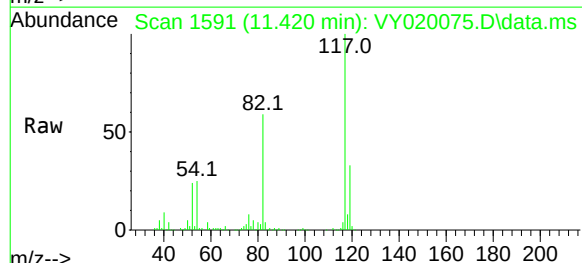
117 100

82 58.6 42.4 63.6

119 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#64

Tetrachloroethene

Concen: 4.585 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:164 Resp: 11989

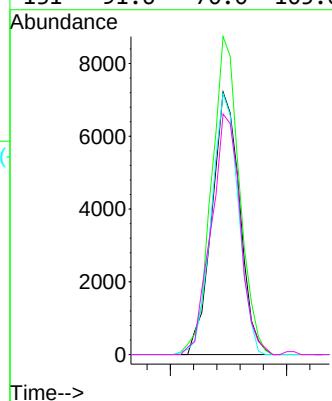
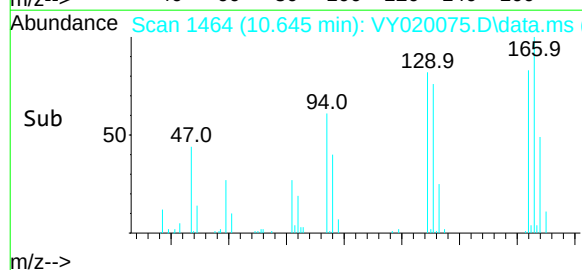
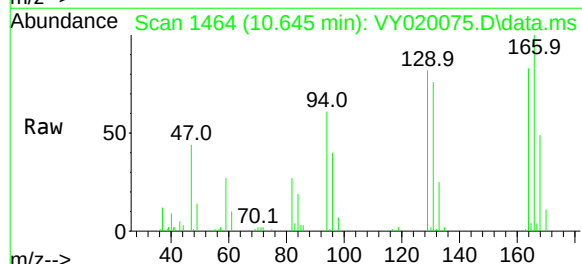
Ion Ratio Lower Upper

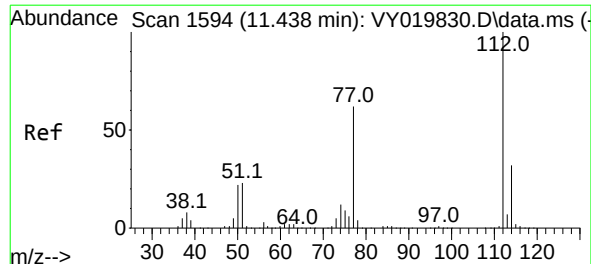
164 100

166 121.1 102.6 154.0

129 99.4 72.0 108.0

131 91.6 70.0 105.0





#65

Chlorobenzene

Concen: 4.475 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion:112 Resp: 37629

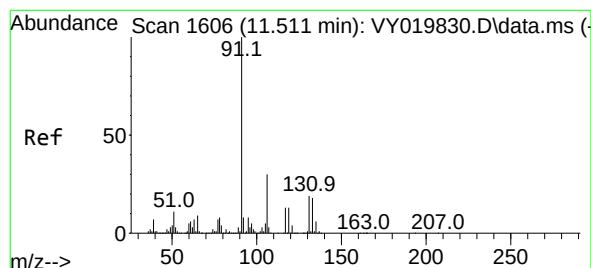
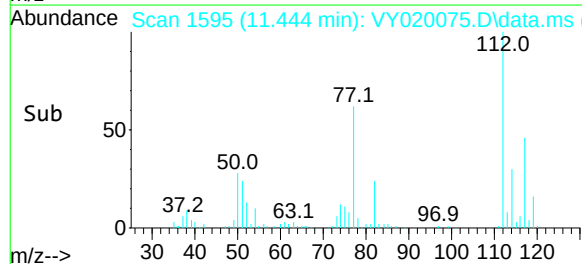
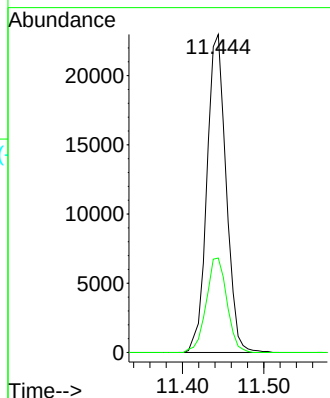
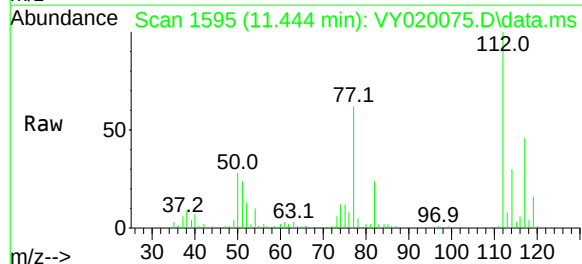
Ion Ratio Lower Upper

112 100

114 29.7 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#66

1,1,1,2-Tetrachloroethane

Concen: 4.031 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

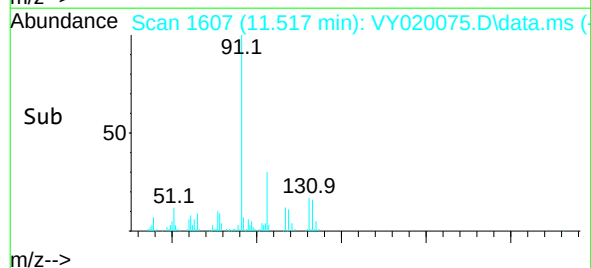
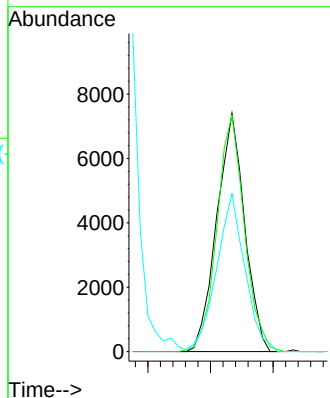
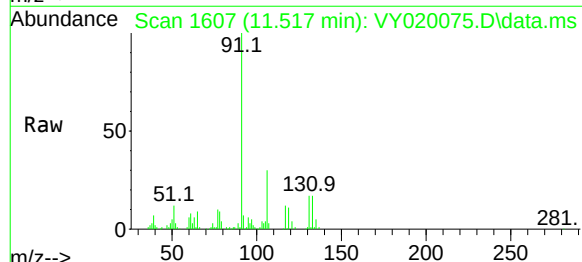
Tgt Ion:131 Resp: 11467

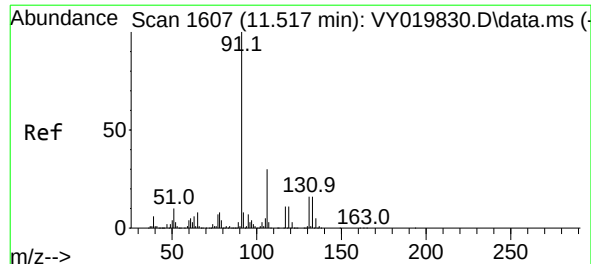
Ion Ratio Lower Upper

131 100

133 97.4 47.8 143.3

119 67.1 34.1 102.2





#67

Ethyl Benzene

Concen: 4.540 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 69338

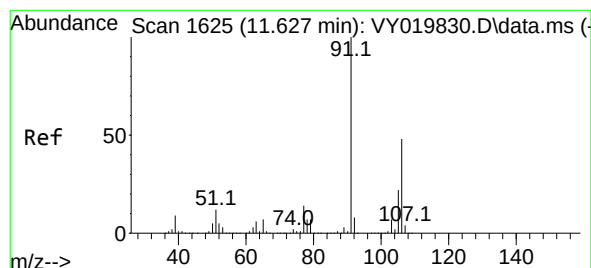
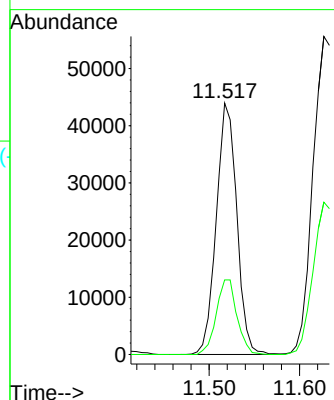
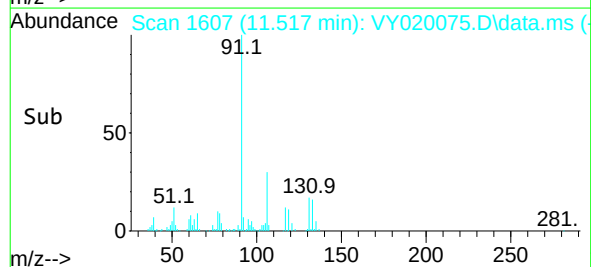
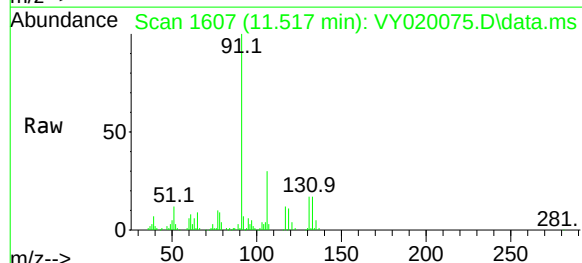
Ion Ratio Lower Upper

91 100

106 29.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#68

m/p-Xylenes

Concen: 8.923 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020075.D

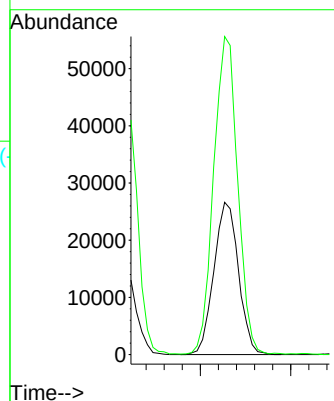
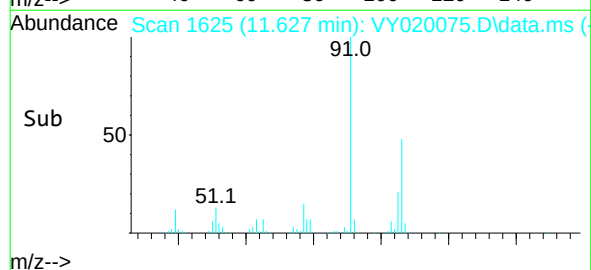
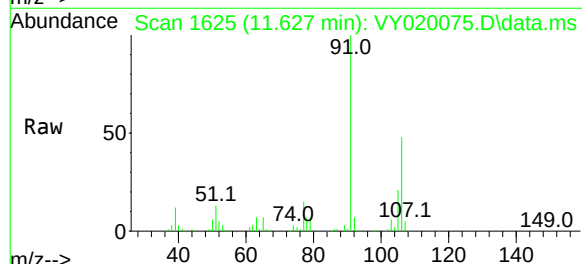
Acq: 30 Oct 2024 12:39

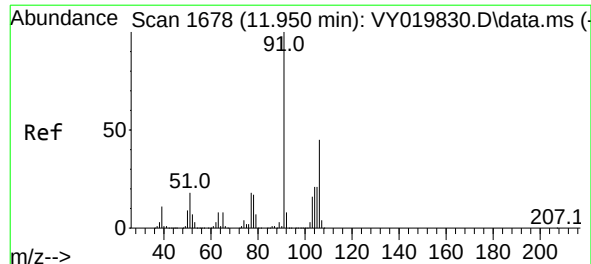
Tgt Ion:106 Resp: 50332

Ion Ratio Lower Upper

106 100

91 203.4 156.0 234.0





#69

o-Xylene

Concen: 4.425 ug/l

RT: 11.956 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 23982

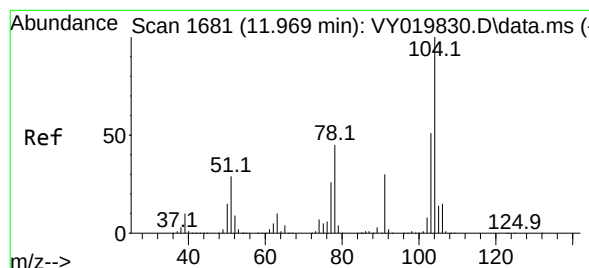
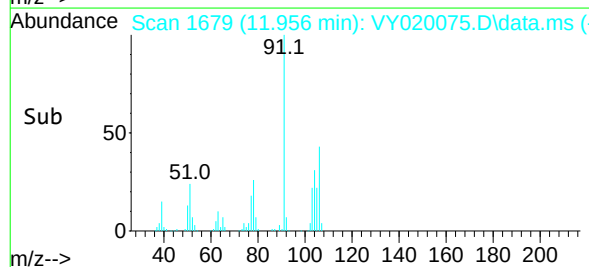
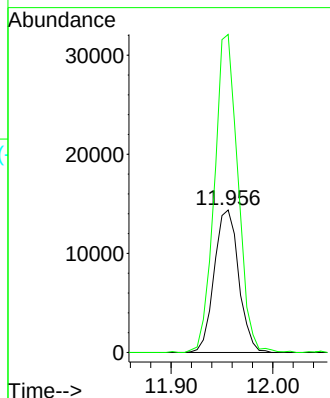
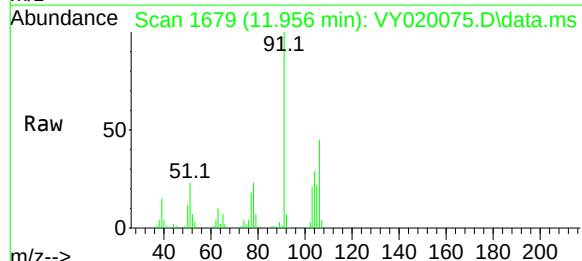
Ion Ratio Lower Upper

106 100

91 214.9 103.6 310.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#70

Styrene

Concen: 3.958 ug/l

RT: 11.968 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

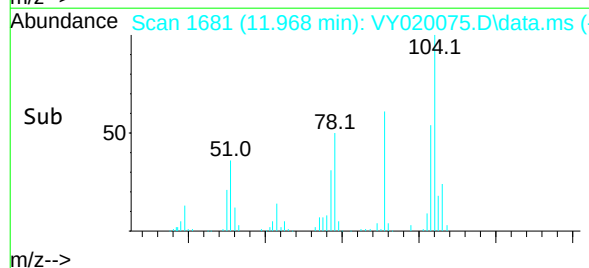
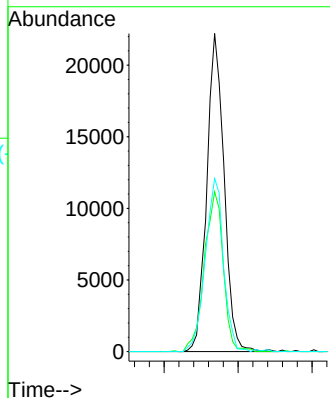
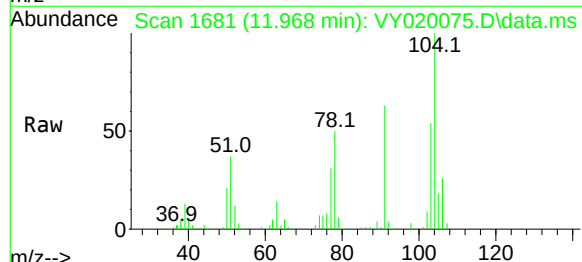
Tgt Ion:104 Resp: 36193

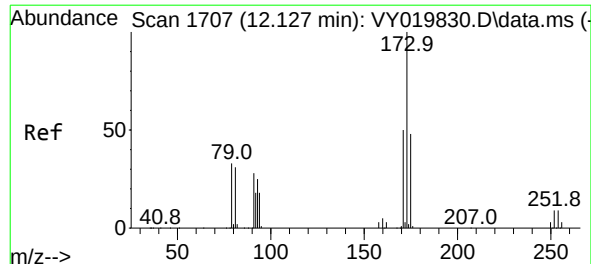
Ion Ratio Lower Upper

104 100

78 54.6 37.0 55.4

103 57.0 44.2 66.2





#71

Bromoform

Concen: 3.652 ug/l

RT: 12.133 min Scan# 1707

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

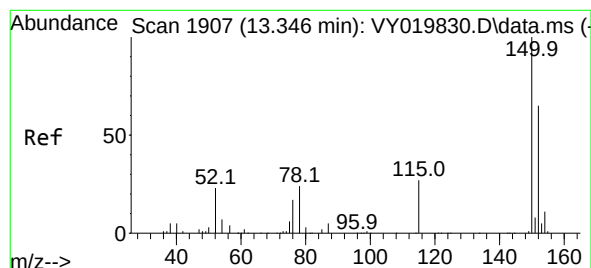
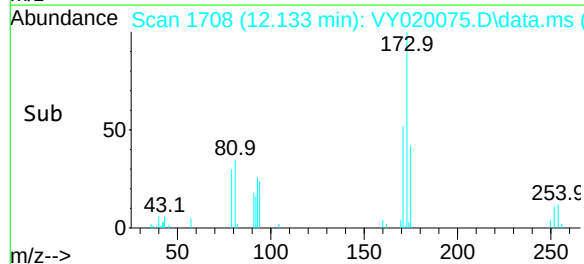
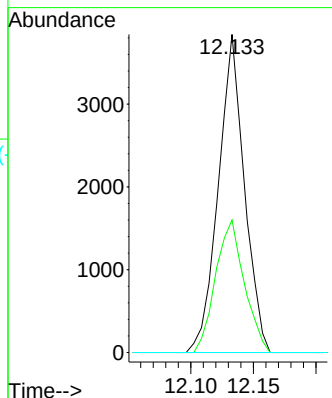
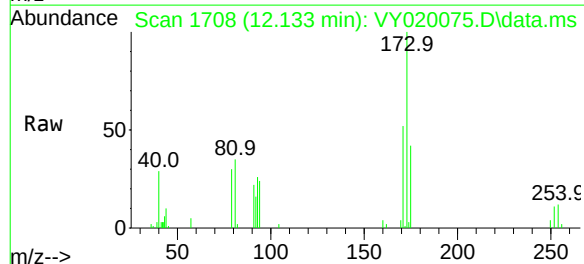
ClientSampleId :

VSTDICC005

Tgt	Ion:173	Resp:	5561
Ion	Ratio	Lower	Upper
173	100		
175	45.8	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

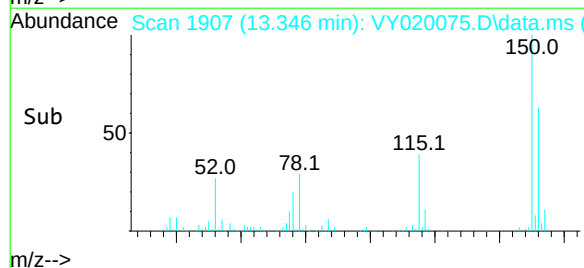
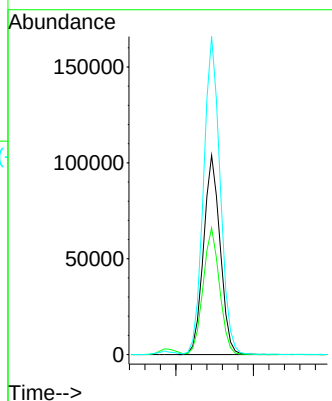
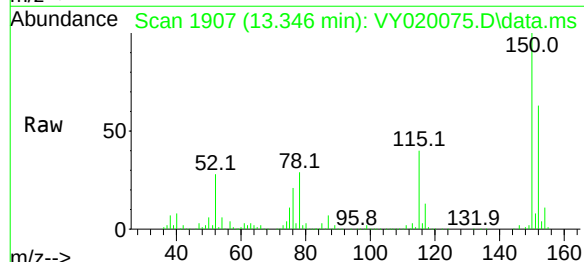
RT: 13.346 min Scan# 1907

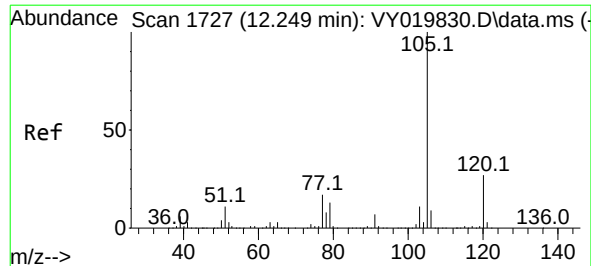
Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt	Ion:152	Resp:	154264
Ion	Ratio	Lower	Upper
152	100		
115	62.9	28.2	84.7
150	159.4	0.0	345.6





#73

Isopropylbenzene

Concen: 4.833 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 62710

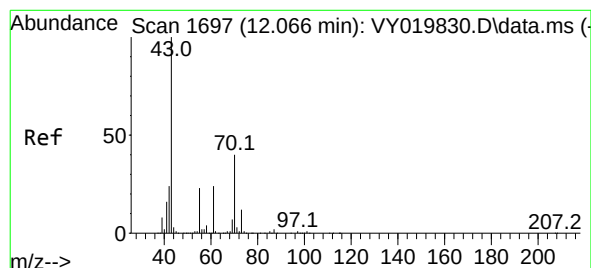
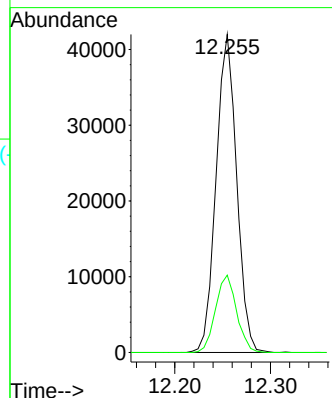
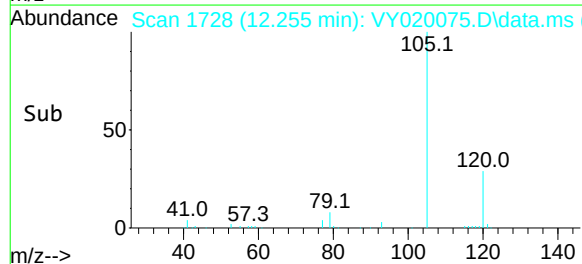
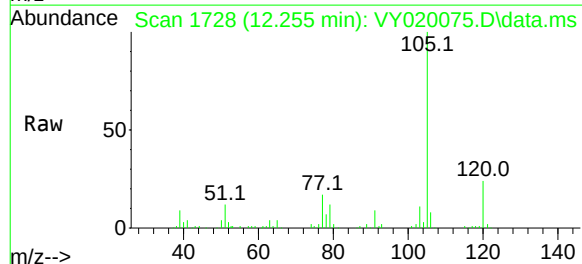
Ion Ratio Lower Upper

105 100

120 24.9 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#74

N-ethyl acetate

Concen: 3.747 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion: 43 Resp: 12879

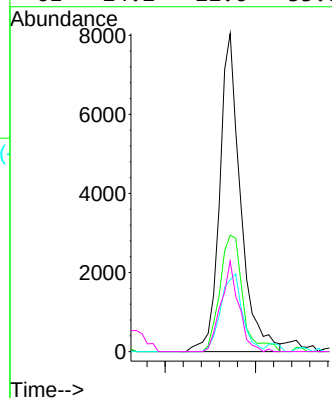
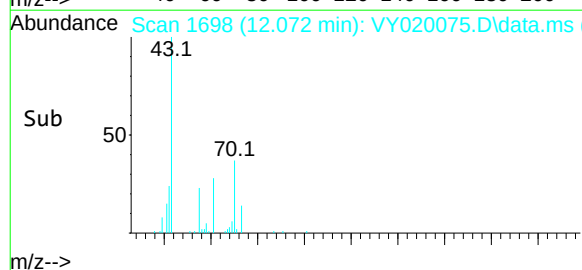
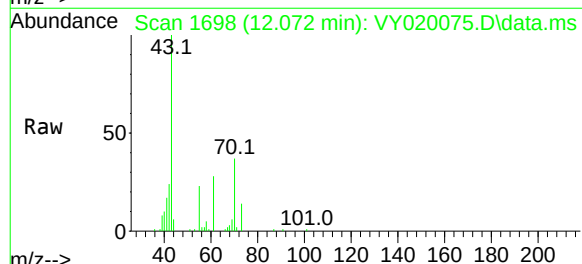
Ion Ratio Lower Upper

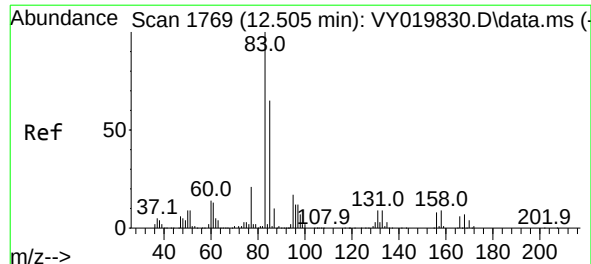
43 100

70 40.0 41.4 62.2

55 25.2 23.3 34.9

61 24.2 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.792 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

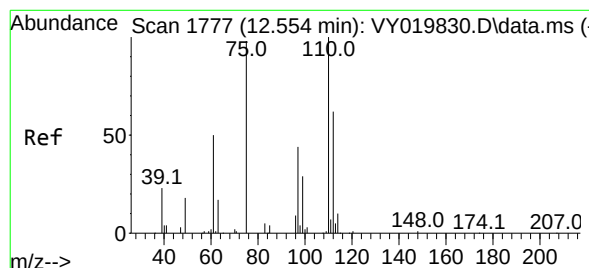
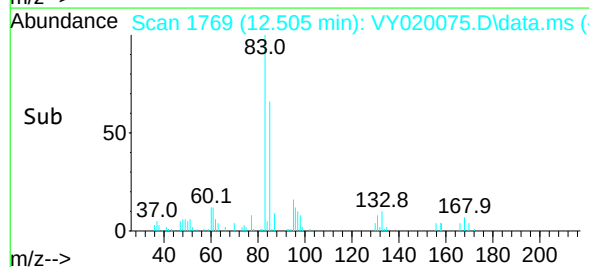
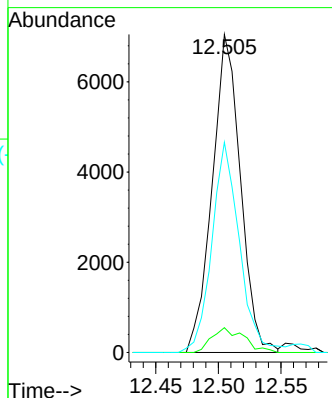
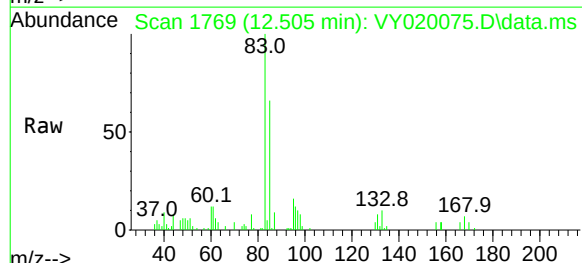
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	11048
Ion	Ratio	Lower	Upper
83	100		
131	8.9	5.0	14.9
85	64.7	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 1.976 ug/l m

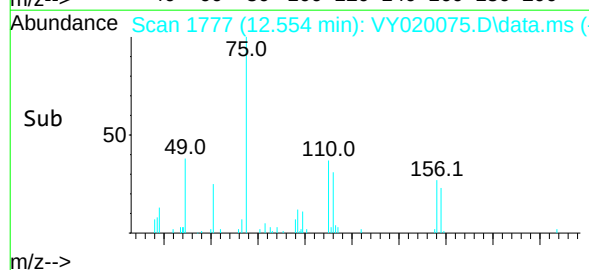
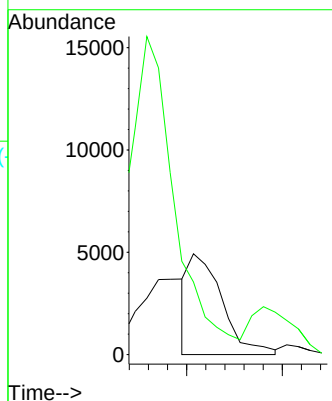
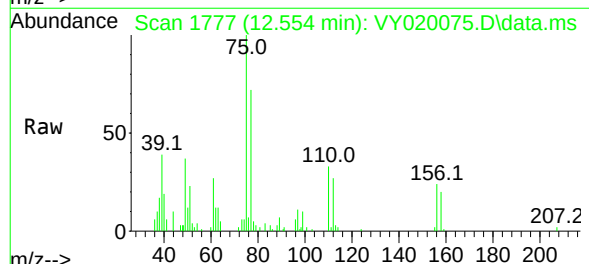
RT: 12.554 min Scan# 1777

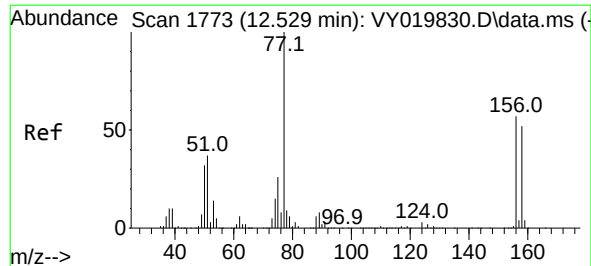
Delta R.T. -0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	75	Resp:	5970
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.649 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

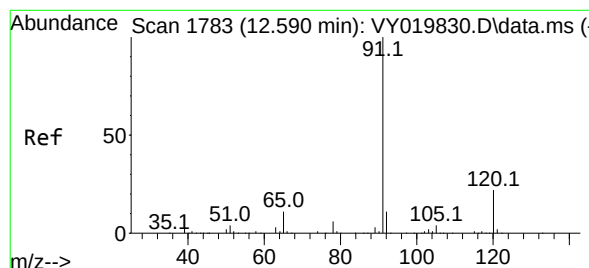
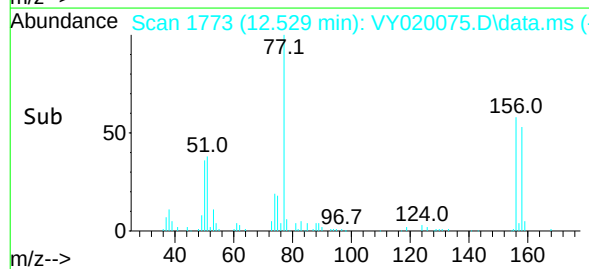
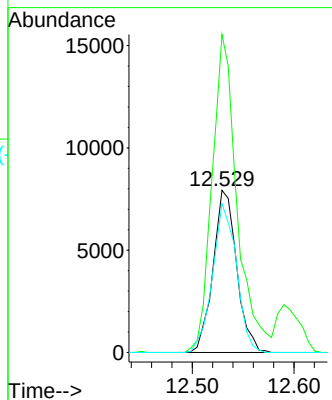
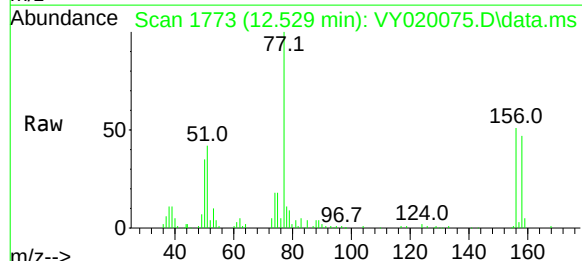
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	12802
Ion	Ratio	Lower	Upper
156	100		
77	207.5	87.1	261.3
158	93.0	48.6	145.9

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#78

n-propylbenzene

Concen: 4.922 ug/l

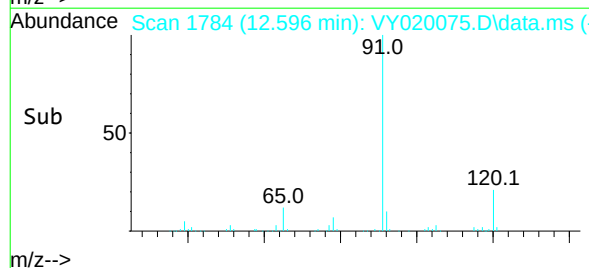
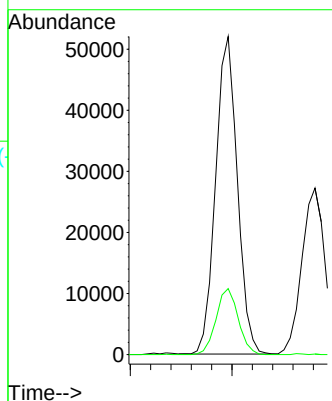
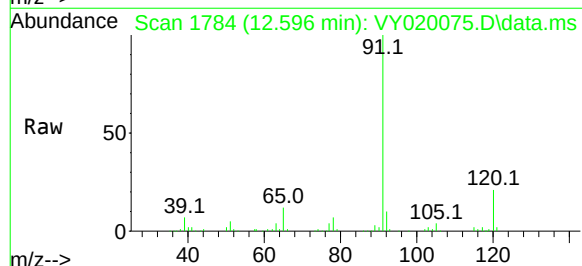
RT: 12.596 min Scan# 1784

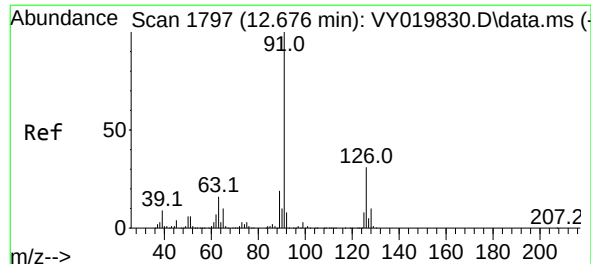
Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	91	Resp:	77176
Ion	Ratio	Lower	Upper
91	100		
120	21.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 4.785 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 43013

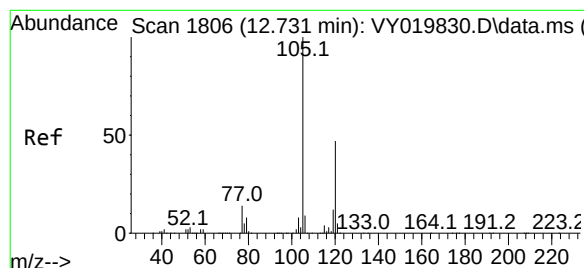
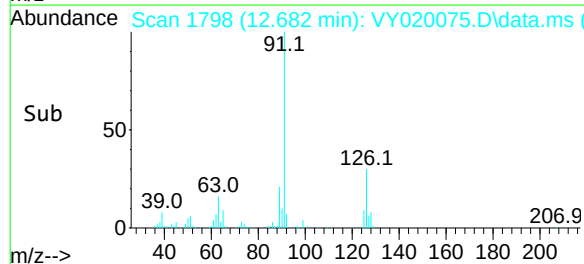
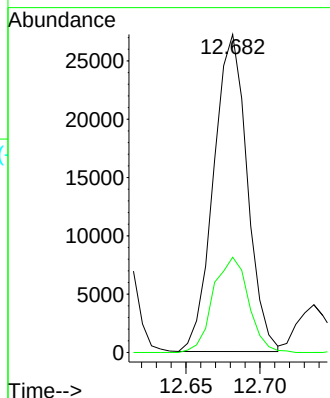
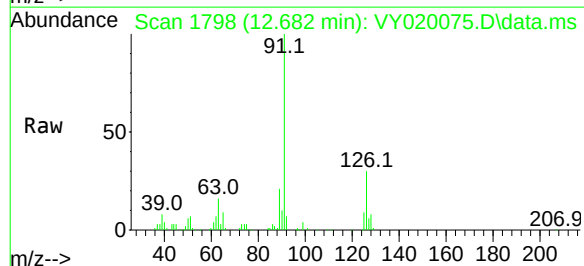
Ion Ratio Lower Upper

91 100

126 31.5 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#80

1,3,5-Trimethylbenzene

Concen: 4.712 ug/l

RT: 12.736 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY020075.D

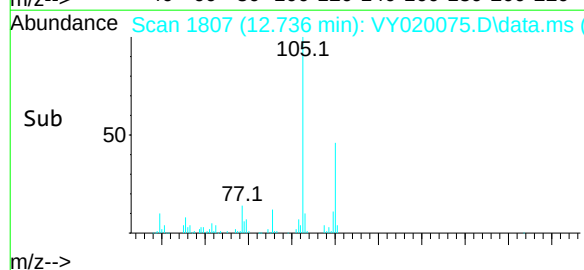
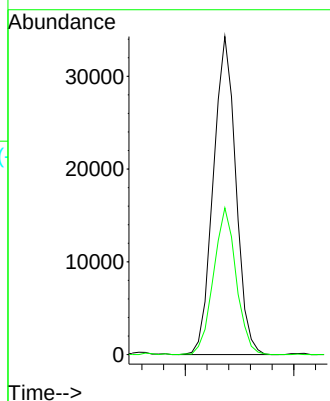
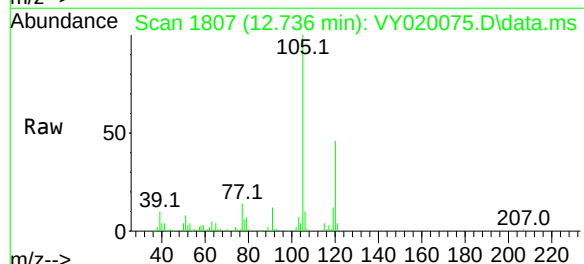
Acq: 30 Oct 2024 12:39

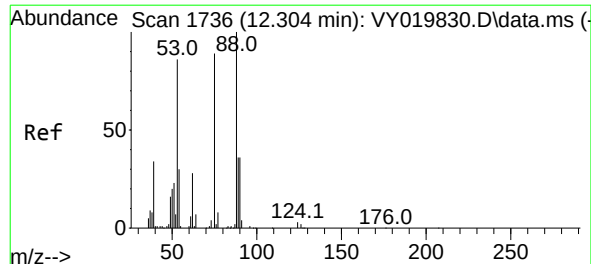
Tgt Ion:105 Resp: 49377

Ion Ratio Lower Upper

105 100

120 46.4 25.1 75.2





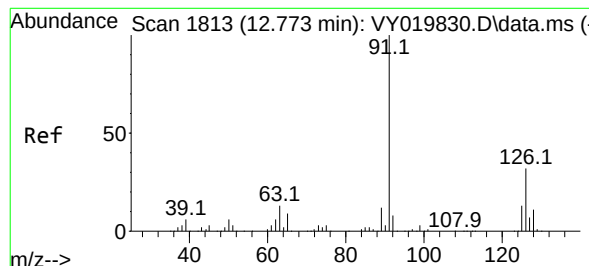
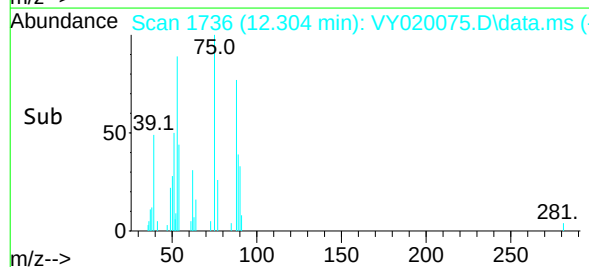
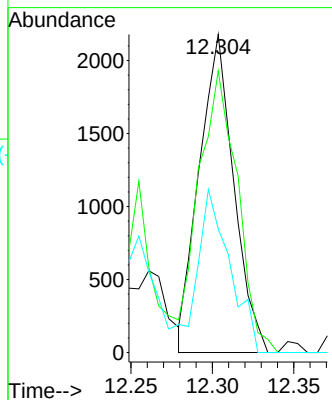
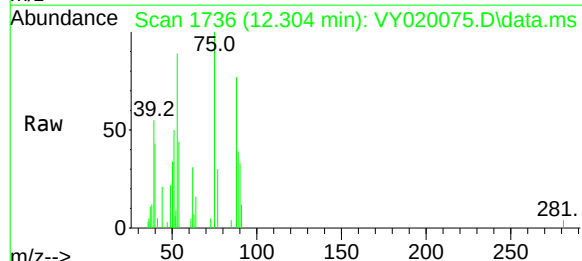
#81
trans-1,4-Dichloro-2-butene
Concen: 4.290 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.4	66.8	100.2
89	48.9	35.8	53.6

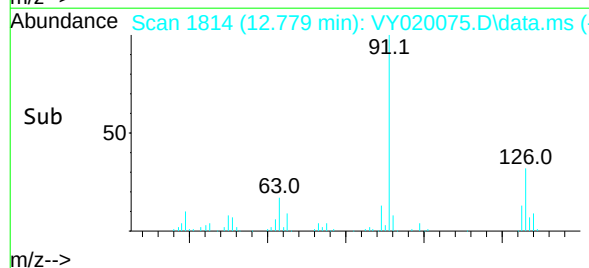
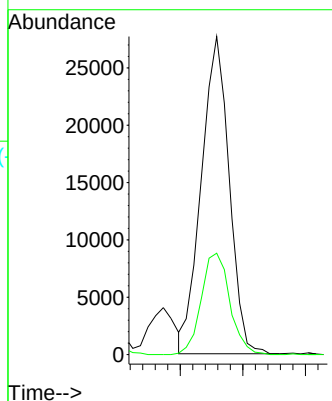
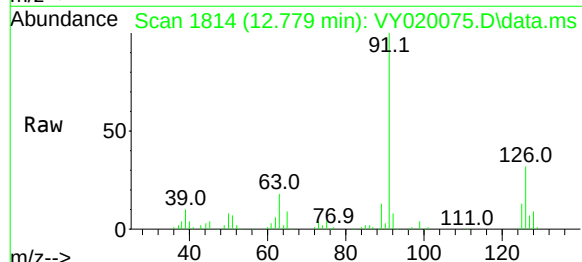
Manual Integrations
APPROVED

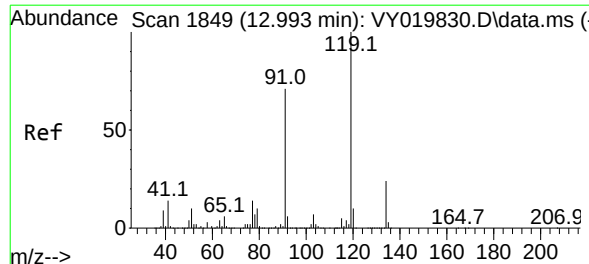
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#82
4-Chlorotoluene
Concen: 4.655 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY020075.D
Acq: 30 Oct 2024 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.6	52.9





#83

tert-Butylbenzene

Concen: 4.645 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 43602

Ion Ratio Lower Upper

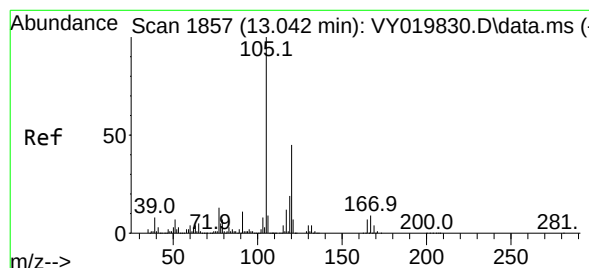
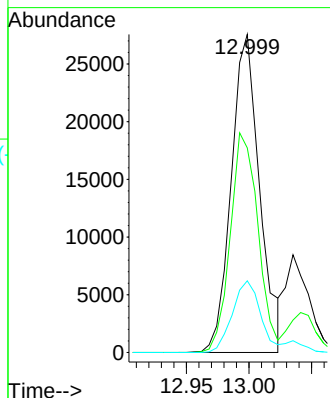
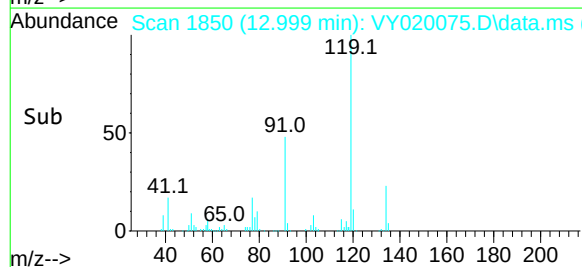
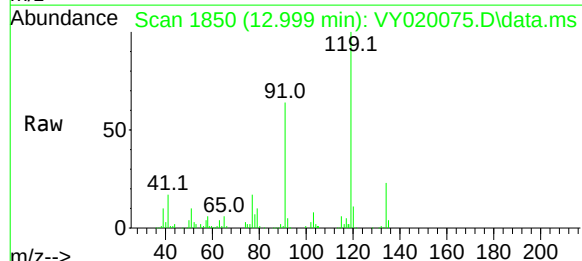
119 100

91 67.2 31.3 93.8

134 22.2 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#84

1,2,4-Trimethylbenzene

Concen: 4.547 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020075.D

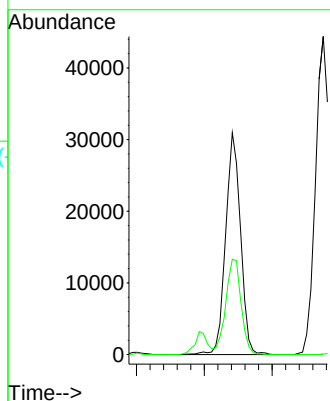
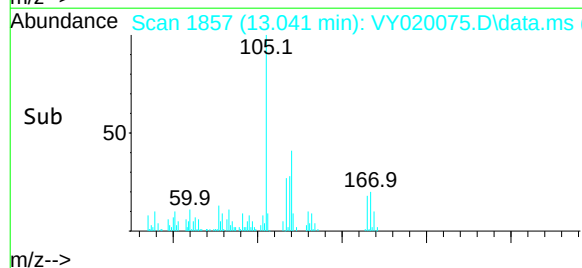
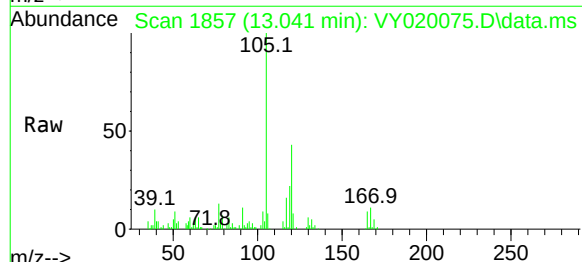
Acq: 30 Oct 2024 12:39

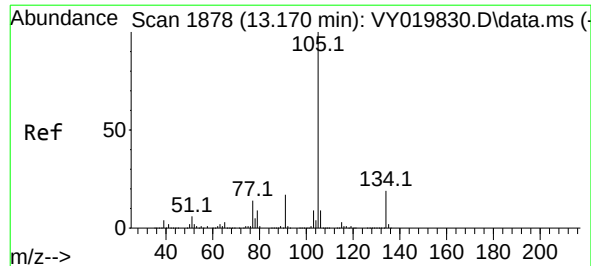
Tgt Ion:105 Resp: 47241

Ion Ratio Lower Upper

105 100

120 44.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 4.705 ug/l

RT: 13.175 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 65986

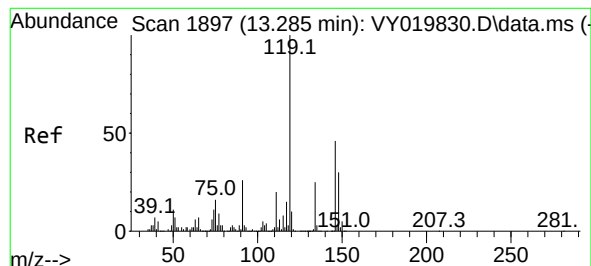
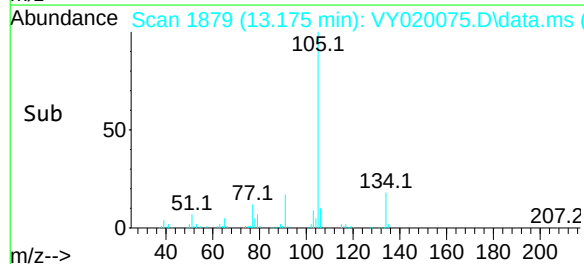
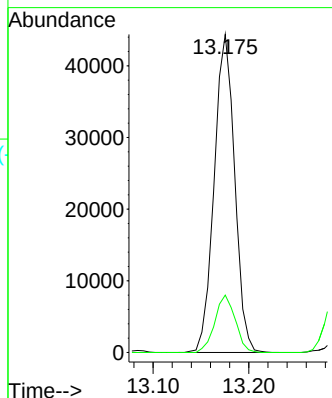
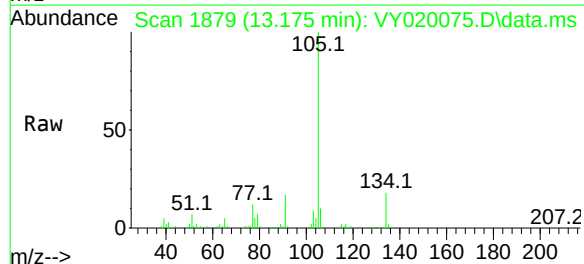
Ion Ratio Lower Upper

105 100

134 18.0 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#86

p-Isopropyltoluene

Concen: 4.464 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

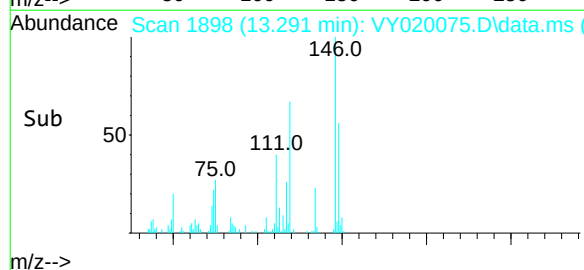
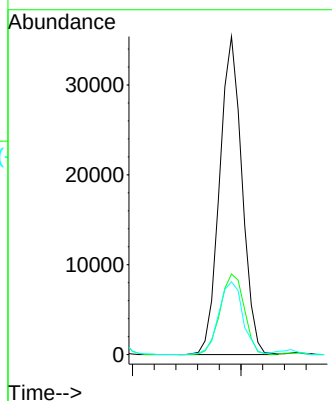
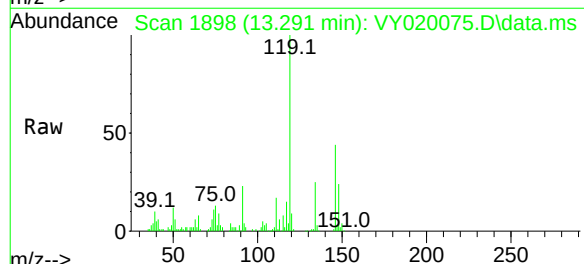
Tgt Ion:119 Resp: 50842

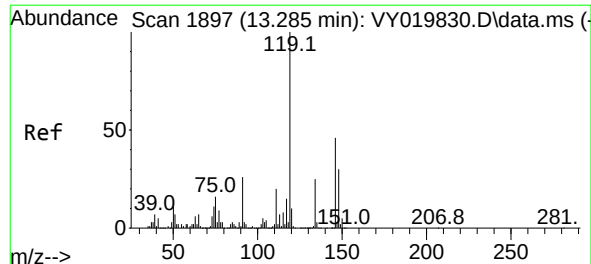
Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

91 24.6 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 4.603 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

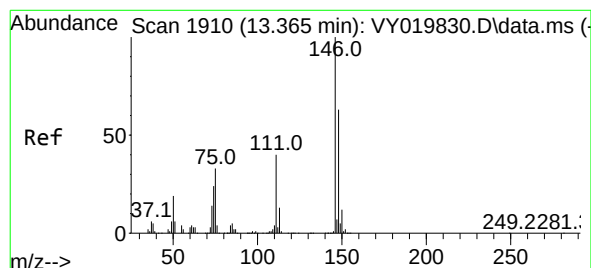
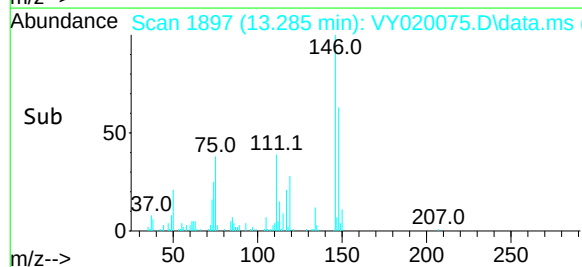
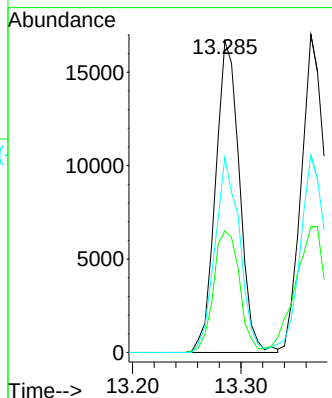
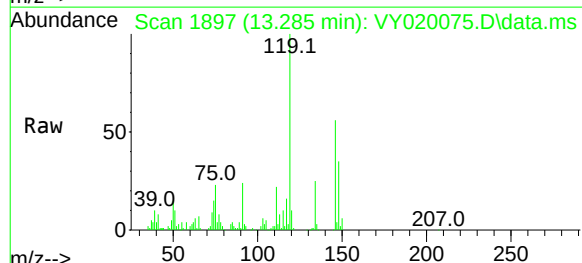
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	25594
Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.0	57.0
148	64.4	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

Concen: 4.745 ug/l

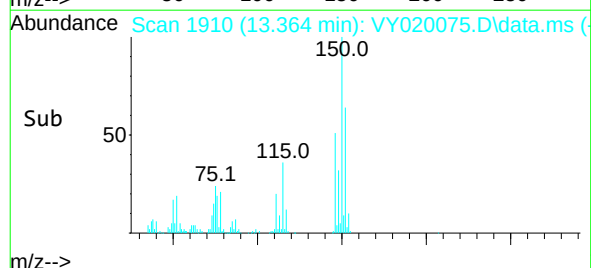
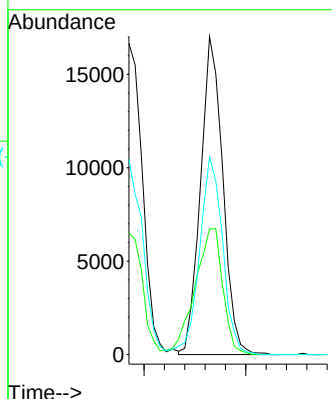
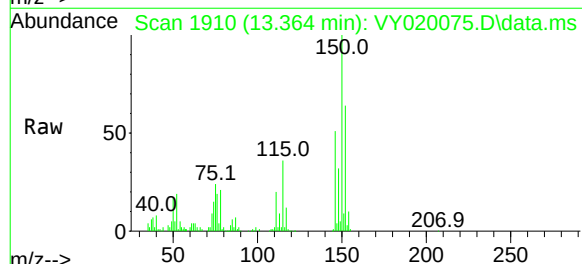
RT: 13.364 min Scan# 1910

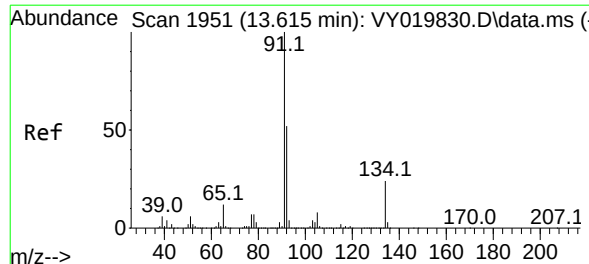
Delta R.T. -0.006 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	146	Resp:	25923
Ion	Ratio	Lower	Upper
146	100		
111	49.4	18.4	55.4
148	64.6	32.4	97.2





#89

n-Butylbenzene

Concen: 4.594 ug/l

RT: 13.620 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

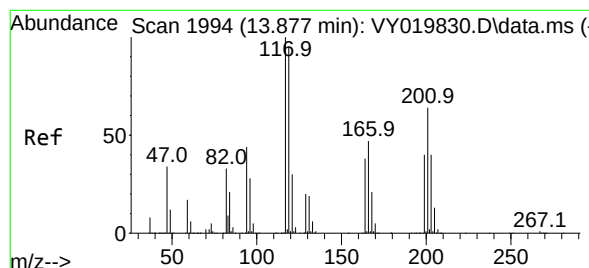
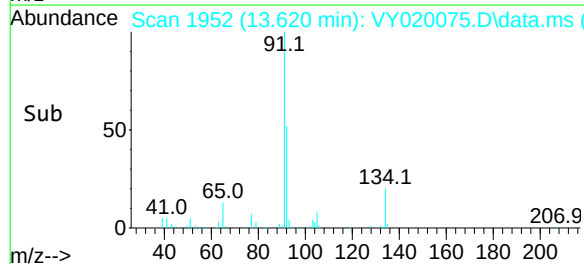
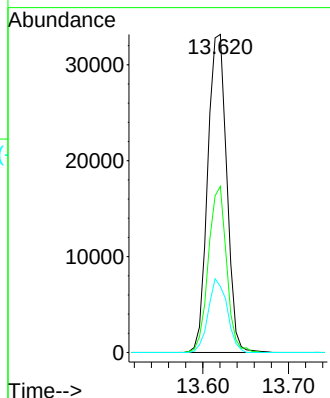
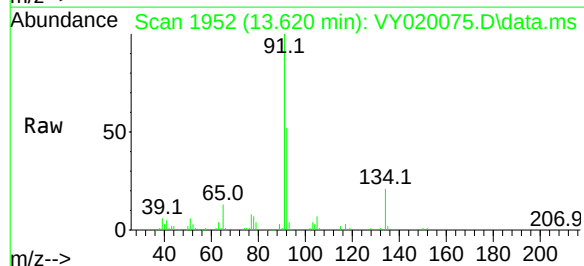
ClientSampleId :

VSTDIC005

Tgt Ion:	91	Resp:	51089
Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.6	79.7
134	23.1	12.9	38.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#90

Hexachloroethane

Concen: 4.651 ug/l

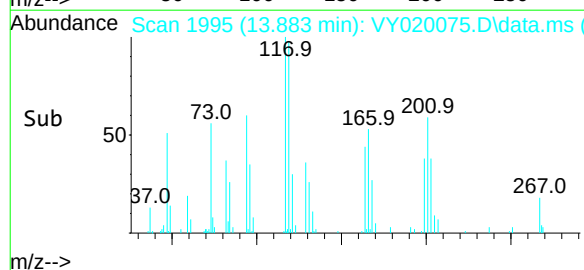
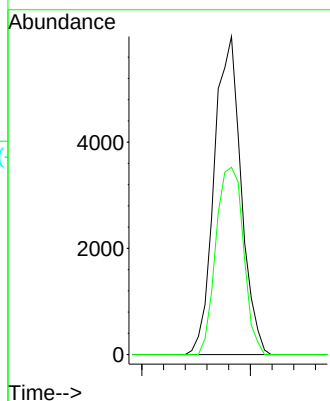
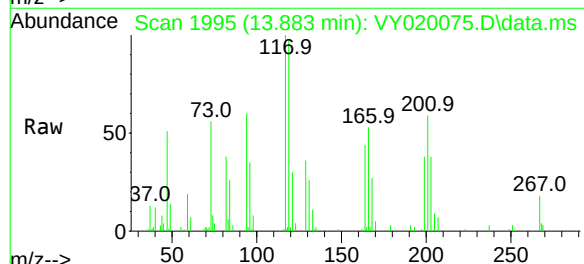
RT: 13.883 min Scan# 1995

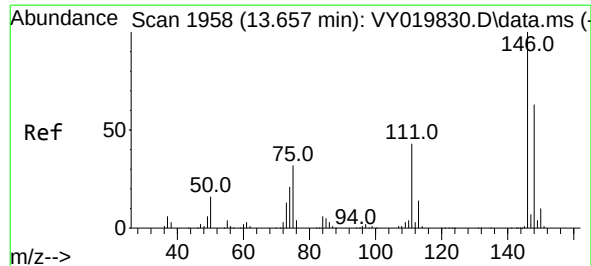
Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	117	Resp:	10314
Ion	Ratio	Lower	Upper
117	100		
201	60.1	37.4	112.2





#91

1,2-Dichlorobenzene

Concen: 4.393 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

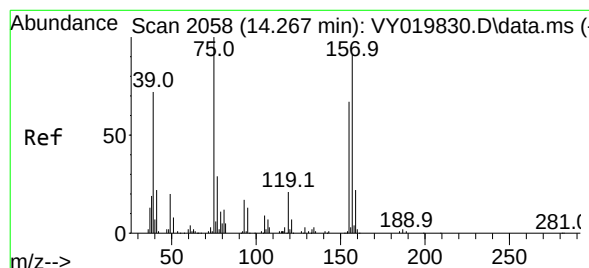
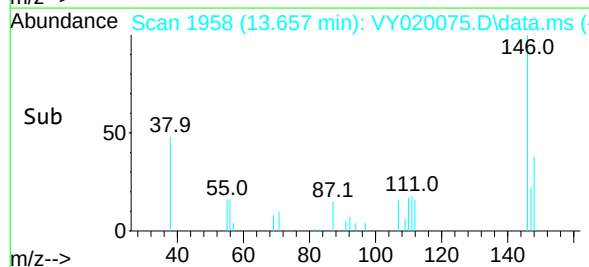
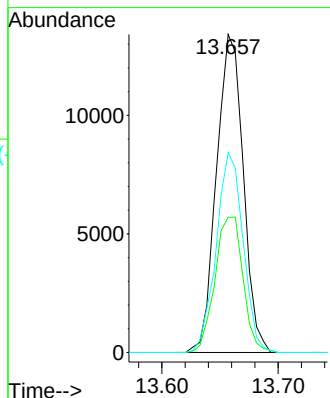
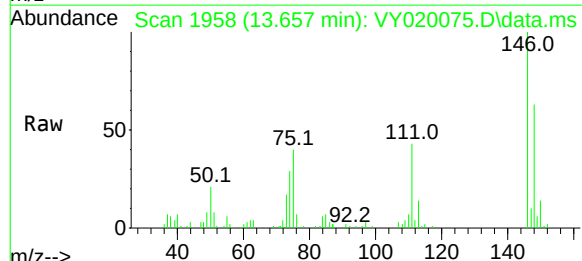
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	21464
Ion	Ratio	Lower	Upper
146	100		
111	44.7	19.9	59.7
148	63.2	31.8	95.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.500 ug/l

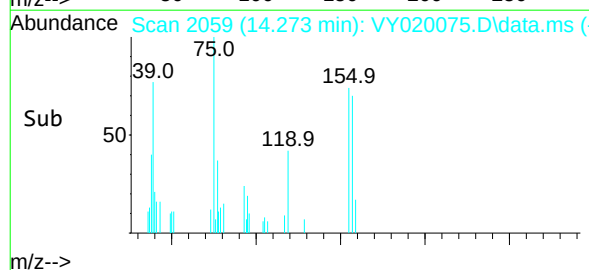
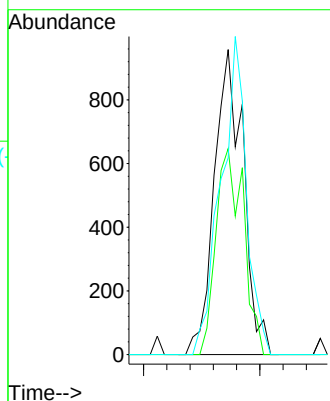
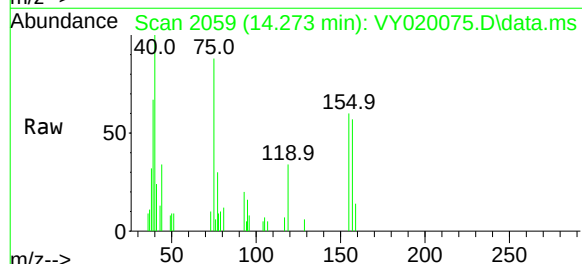
RT: 14.273 min Scan# 2059

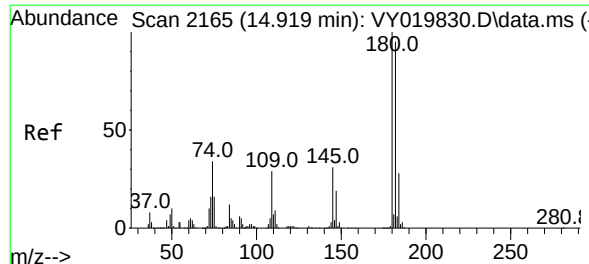
Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	75	Resp:	1656
Ion	Ratio	Lower	Upper
75	100		
155	64.4	48.6	145.8
157	92.5	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 3.673 ug/l

RT: 14.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion:180 Resp: 10063

Ion Ratio Lower Upper

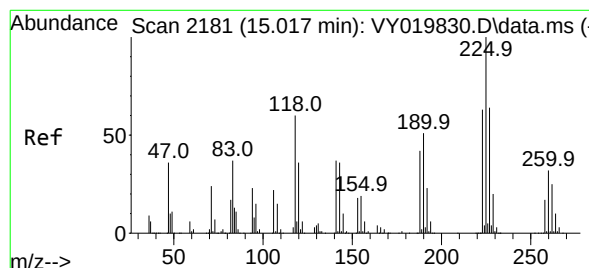
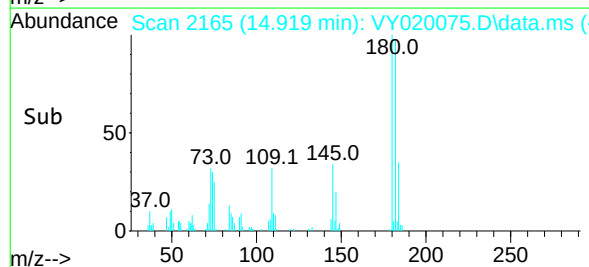
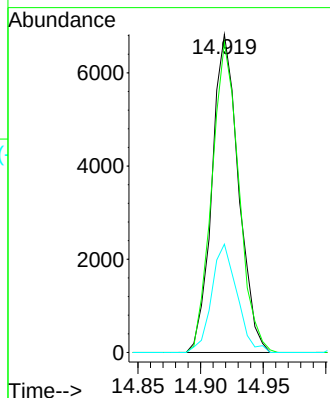
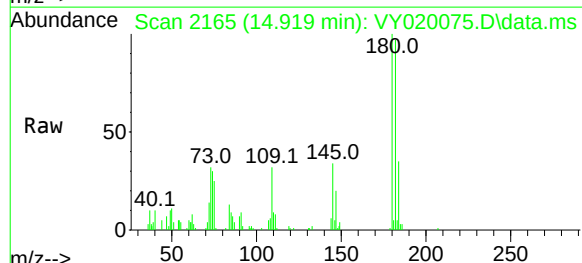
180 100

182 98.9 47.9 143.8

145 32.6 14.2 42.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#94

Hexachlorobutadiene

Concen: 4.084 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

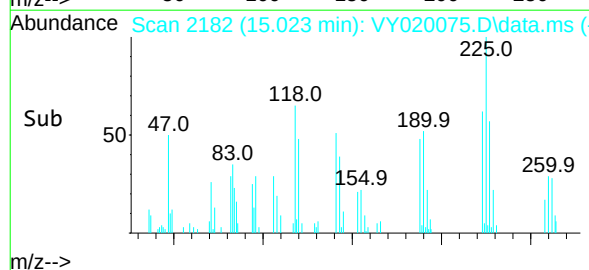
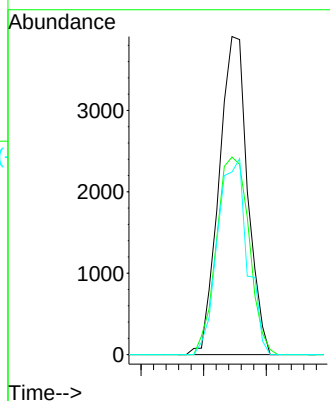
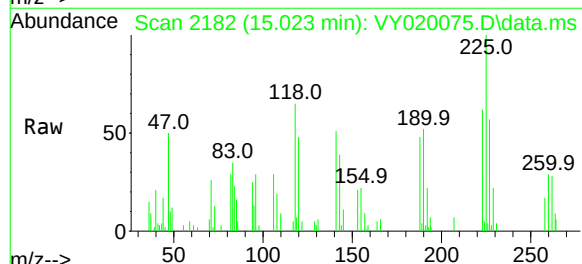
Tgt Ion:225 Resp: 6221

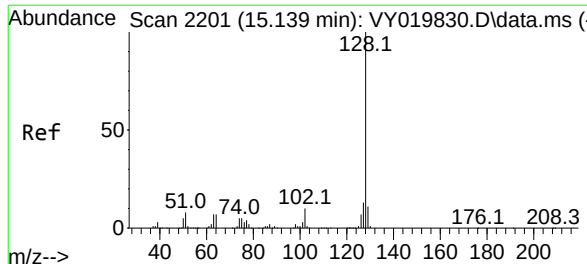
Ion Ratio Lower Upper

225 100

223 70.7 30.4 91.2

227 64.2 31.9 95.9





#95

Naphthalene

Concen: 3.332 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Instrument :

MSVOA_Y

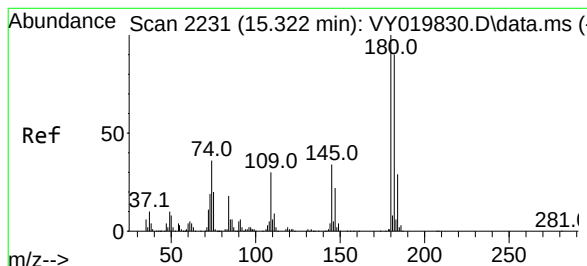
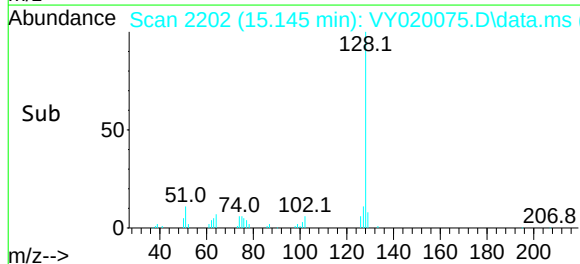
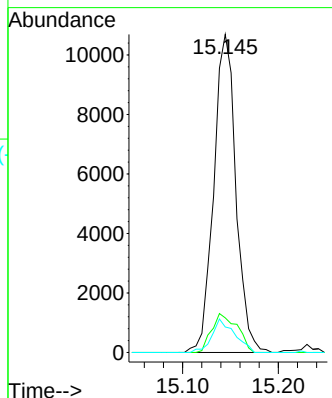
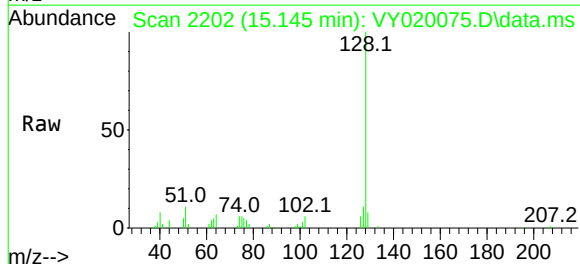
ClientSampleId :

VSTDICC005

Tgt Ion:	128	Resp:	17217
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.6	16.0
129	10.7	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

Concen: 3.848 ug/l

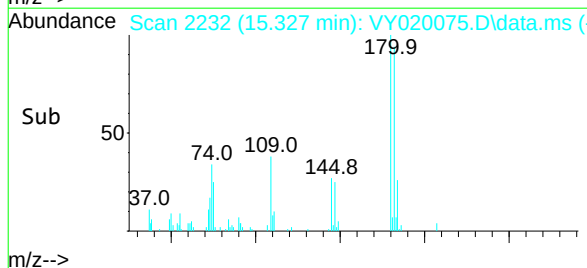
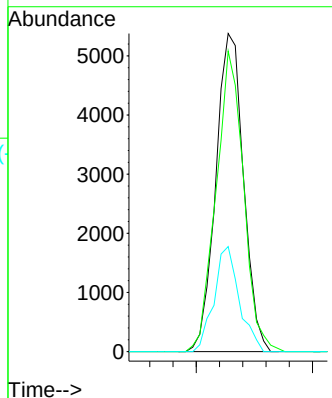
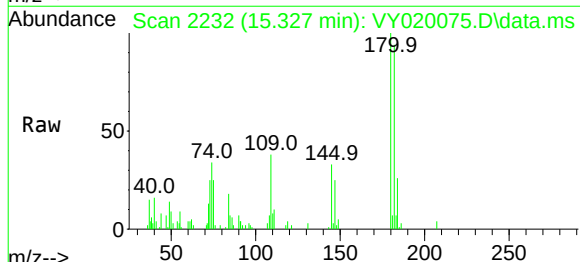
RT: 15.327 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY020075.D

Acq: 30 Oct 2024 12:39

Tgt Ion:	180	Resp:	8911
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.6	142.9
145	30.0	15.4	46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020076.D
 Acq On : 30 Oct 2024 13:02
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	251996	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	459666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	179302	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	33105	10.669	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.340%#
35) Dibromofluoromethane	7.640	113	29145	9.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.220%#
50) Toluene-d8	10.109	98	114968	10.264	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	20.520%#
62) 4-Bromofluorobenzene	12.408	95	36997	9.141	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	18.280%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	24596	10.485	ug/l	95
3) Chloromethane	2.074	50	42089	13.785	ug/l	100
4) Vinyl Chloride	2.214	62	44064	13.115	ug/l	91
5) Bromomethane	2.605	94	28921	13.599	ug/l	96
6) Chloroethane	2.745	64	27962	12.388	ug/l	96
7) Trichlorofluoromethane	3.068	101	51307	10.263	ug/l	99
8) Diethyl Ether	3.470	74	14130	9.300	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.824	101	29440	10.124	ug/l	91
10) Methyl Iodide	4.013	142	27256	9.267	ug/l	91
11) Tert butyl alcohol	4.860	59	14113	48.551	ug/l #	96
12) 1,1-Dichloroethene	3.799	96	29134	10.777	ug/l #	71
13) Acrolein	3.659	56	15099	66.225	ug/l	98
14) Allyl chloride	4.397	41	47964	9.833	ug/l #	86
15) Acrylonitrile	5.061	53	32586	46.888	ug/l	96
16) Acetone	3.873	43	34866	43.166	ug/l #	85
17) Carbon Disulfide	4.116	76	92481	12.763	ug/l	98
18) Methyl Acetate	4.391	43	17993	10.341	ug/l #	88
19) Methyl tert-butyl Ether	5.122	73	67742	8.722	ug/l	99
20) Methylene Chloride	4.622	84	36061	11.062	ug/l #	71
21) trans-1,2-Dichloroethene	5.128	96	31130	10.580	ug/l	86
22) Diisopropyl ether	6.025	45	100421	9.452	ug/l #	87
23) Vinyl Acetate	5.970	43	280142	45.993	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	60946	10.319	ug/l	97
25) 2-Butanone	6.903	43	49695	45.965	ug/l #	83
26) 2,2-Dichloropropane	6.896	77	48779	9.274	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	35967	9.892	ug/l	84
28) Bromochloromethane	7.250	49	28309	10.890	ug/l #	69
29) Tetrahydrofuran	7.268	42	28574	46.288	ug/l #	83
30) Chloroform	7.427	83	58988	9.798	ug/l	91
31) Cyclohexane	7.707	56	60768	11.721	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	51697	9.798	ug/l #	93
36) 1,1-Dichloropropene	7.841	75	45929	10.510	ug/l	93
37) Ethyl Acetate	6.994	43	20808	9.132	ug/l #	76
38) Carbon Tetrachloride	7.823	117	45138	9.635	ug/l	98
39) Methylcyclohexane	9.109	83	55314	10.046	ug/l #	83
40) Benzene	8.085	78	129152	9.765	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020076.D
 Acq On : 30 Oct 2024 13:02
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Oct 30 13:53:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	10582	8.580	ug/l	88
42) 1,2-Dichloroethane	8.158	62	35990	9.472	ug/l	94
43) Isopropyl Acetate	8.201	43	40461	8.707	ug/l #	74
44) Trichloroethene	8.866	130	30471	9.513	ug/l	88
45) 1,2-Dichloropropane	9.140	63	30442	9.196	ug/l	96
46) Dibromomethane	9.237	93	17004	9.402	ug/l #	86
47) Bromodichloromethane	9.426	83	43762	9.116	ug/l	100
48) Methyl methacrylate	9.225	41	18005	8.808	ug/l #	82
49) 1,4-Dioxane	9.231	88	3385	167.225	ug/l #	87
51) 4-Methyl-2-Pentanone	10.000	43	102653	43.307	ug/l	88
52) Toluene	10.170	92	78956	9.564	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	36749	8.508	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	44596	8.750	ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	20698	8.686	ug/l #	86
56) Ethyl methacrylate	10.438	69	27776	8.124	ug/l #	72
57) 1,3-Dichloropropane	10.713	76	37808	9.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	71463	44.897	ug/l	89
59) 2-Hexanone	10.762	43	74139	43.792	ug/l	84
60) Dibromochloromethane	10.908	129	25833	8.447	ug/l	99
61) 1,2-Dibromoethane	11.012	107	19661	9.131	ug/l	96
64) Tetrachloroethene	10.646	164	24830	8.892	ug/l	94
65) Chlorobenzene	11.438	112	81961	9.128	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	26081	8.585	ug/l	98
67) Ethyl Benzene	11.518	91	151863	9.310	ug/l	98
68) m/p-Xylenes	11.627	106	108757	18.053	ug/l	88
69) o-Xylene	11.950	106	51950	8.975	ug/l	92
70) Styrene	11.969	104	84784	8.682	ug/l	95
71) Bromoform	12.133	173	12719	7.820	ug/l #	96
73) Isopropylbenzene	12.255	105	137315	9.105	ug/l	98
74) N-amyl acetate	12.072	43	32525	8.142	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	25336	9.454	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	20202m	5.751	ug/l	
77) Bromobenzene	12.530	156	27286	8.526	ug/l	78
78) n-propylbenzene	12.591	91	173883	9.542	ug/l	95
79) 2-Chlorotoluene	12.676	91	97009	9.285	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	108479	8.906	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	7513	8.634	ug/l #	81
82) 4-Chlorotoluene	12.773	91	96899	9.071	ug/l	97
83) tert-Butylbenzene	12.993	119	94080	8.622	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	108470	8.983	ug/l	97
85) sec-Butylbenzene	13.176	105	149192	9.152	ug/l	97
86) p-Isopropyltoluene	13.292	119	116689	8.815	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	54535	8.438	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	57513	9.058	ug/l	93
89) n-Butylbenzene	13.615	91	115297	8.920	ug/l	98
90) Hexachloroethane	13.877	117	23812	9.238	ug/l	78
91) 1,2-Dichlorobenzene	13.657	146	49631	8.740	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3723	8.705	ug/l	71
93) 1,2,4-Trichlorobenzene	14.919	180	25388	7.973	ug/l	94
94) Hexachlorobutadiene	15.023	225	13955	7.883	ug/l	96
95) Naphthalene	15.145	128	43361	7.220	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	21730	8.073	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

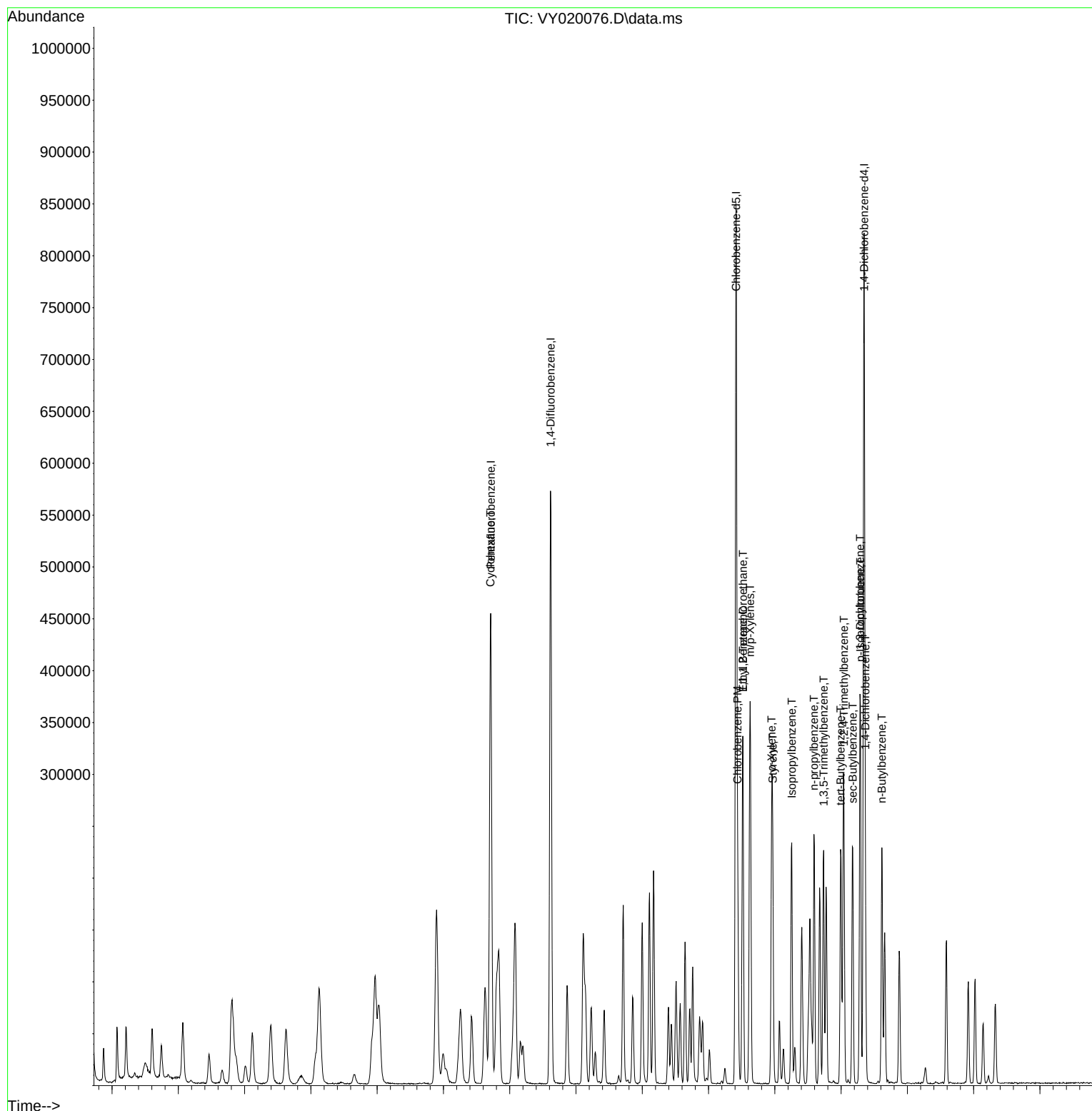
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

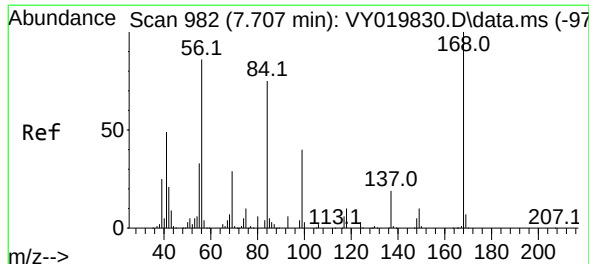
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration





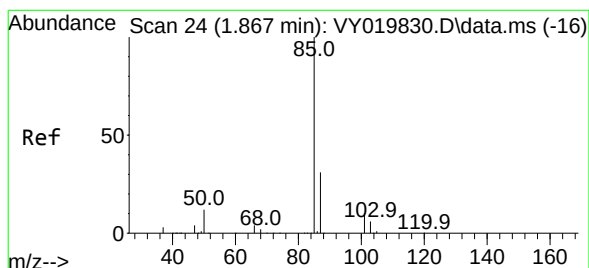
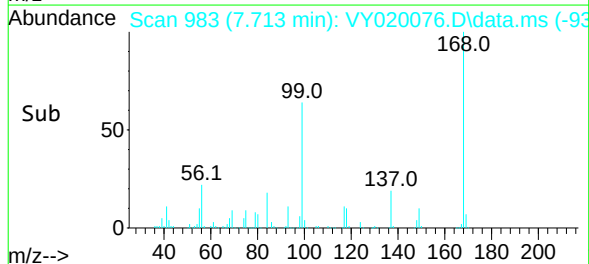
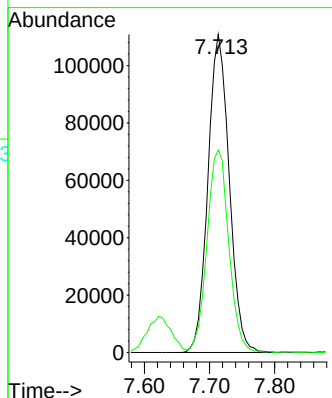
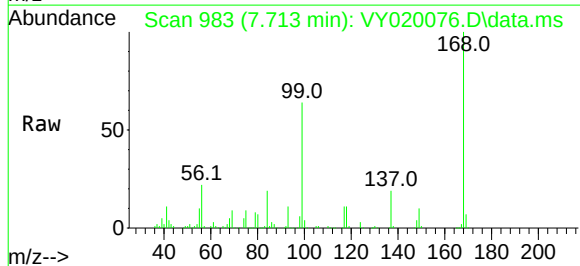
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 168 Resp: 251996
Ion Ratio Lower Upper
168 100
99 63.6 39.1 58.7

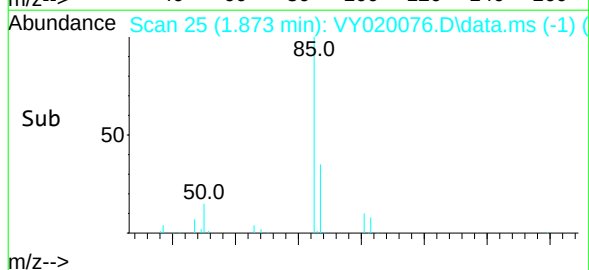
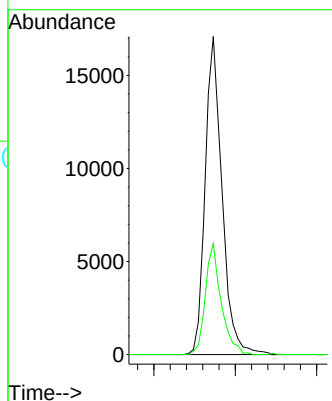
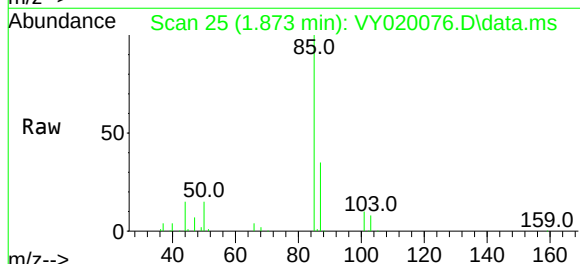
Manual Integrations
APPROVED

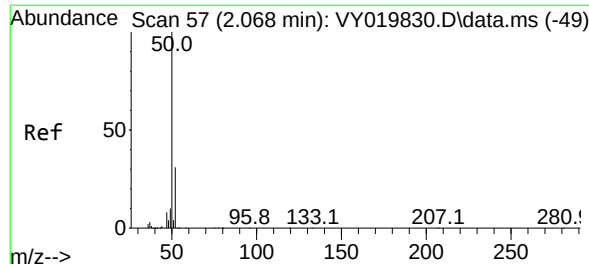
Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#2
Dichlorodifluoromethane
Concen: 10.485 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Tgt Ion: 85 Resp: 24596
Ion Ratio Lower Upper
85 100
87 35.0 16.0 48.0





#3

Chloromethane

Concen: 13.785 ug/l

RT: 2.074 min Scan# 58

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 42089

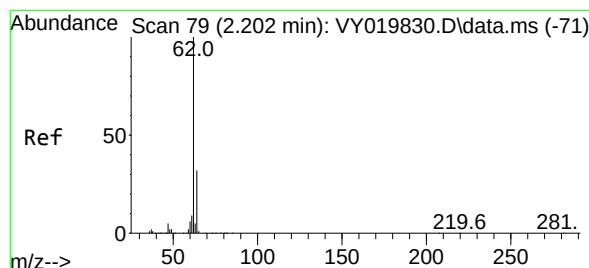
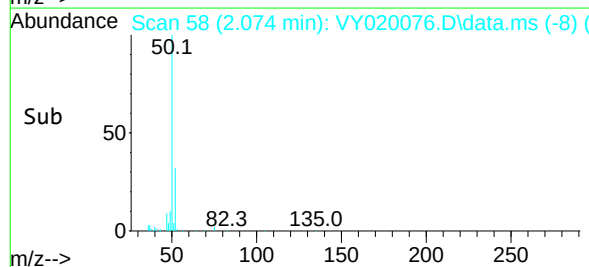
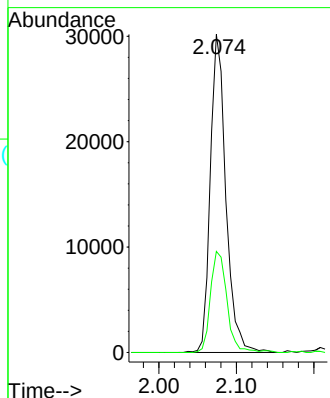
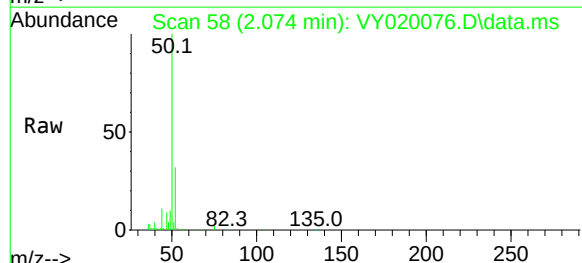
Ion Ratio Lower Upper

50 100

52 31.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#4

Vinyl Chloride

Concen: 13.115 ug/l

RT: 2.214 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY020076.D

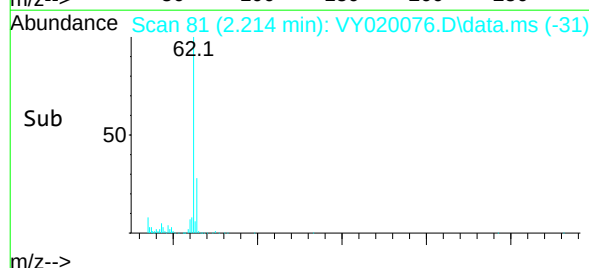
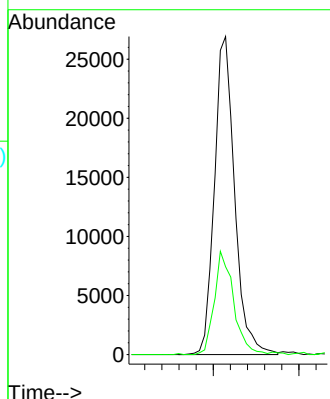
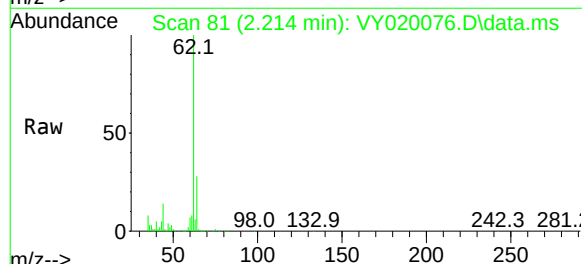
Acq: 30 Oct 2024 13:02

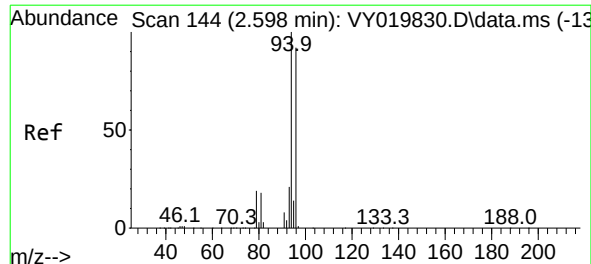
Tgt Ion: 62 Resp: 44064

Ion Ratio Lower Upper

62 100

64 27.3 26.1 39.1





#5

Bromomethane

Concen: 13.599 ug/l

RT: 2.605 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 28921

Ion Ratio Lower Upper

94 100

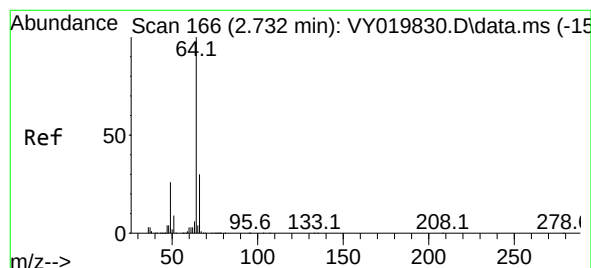
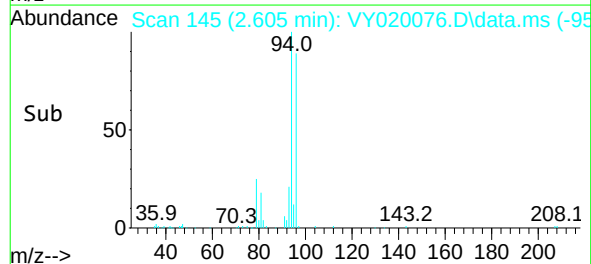
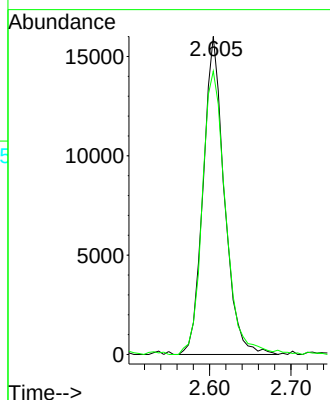
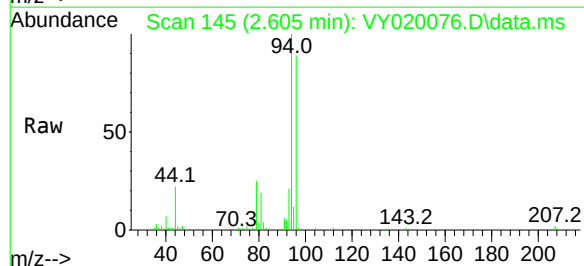
96 89.1 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#6

Chloroethane

Concen: 12.388 ug/l

RT: 2.745 min Scan# 168

Delta R.T. 0.006 min

Lab File: VY020076.D

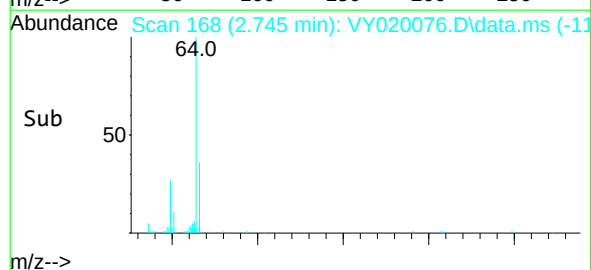
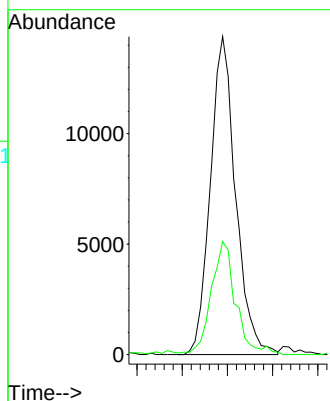
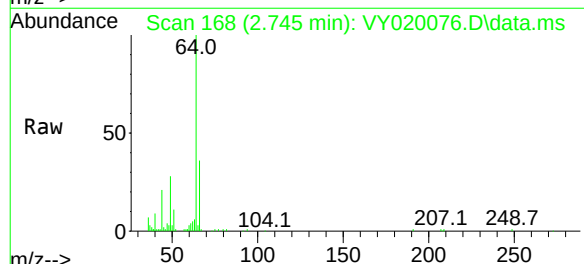
Acq: 30 Oct 2024 13:02

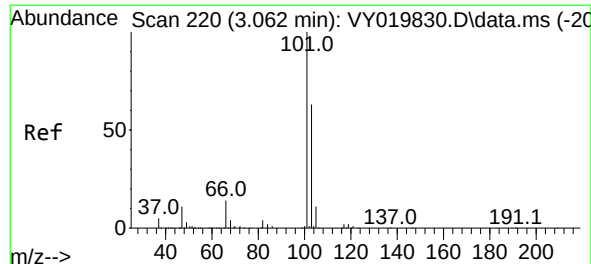
Tgt Ion: 64 Resp: 27962

Ion Ratio Lower Upper

64 100

66 35.0 26.1 39.1





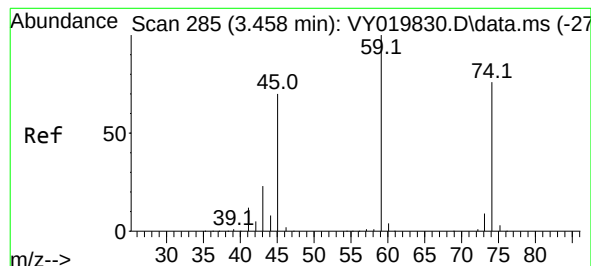
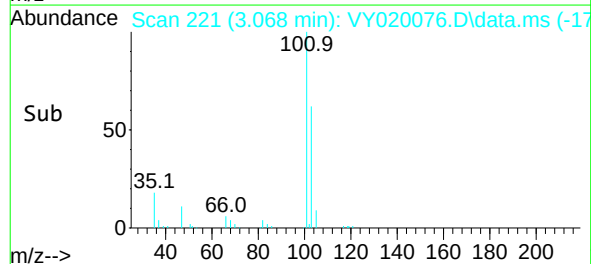
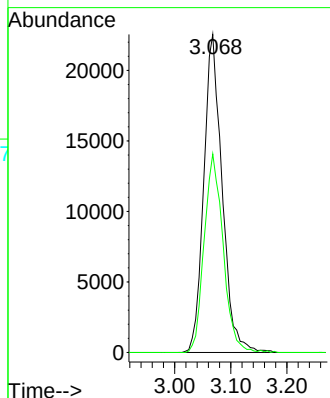
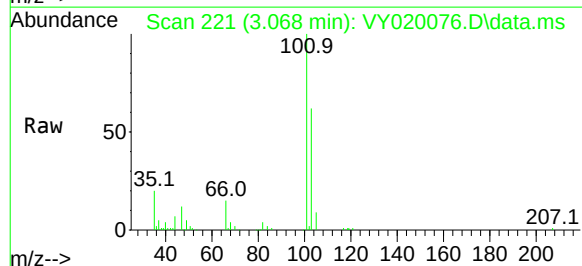
#7
Trichlorofluoromethane
Concen: 10.263 ug/l
RT: 3.068 min Scan# 220
Delta R.T. 0.006 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 101 Resp: 51307
Ion Ratio Lower Upper
101 100
103 62.4 49.3 73.9

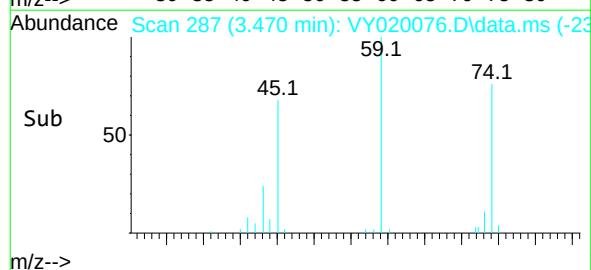
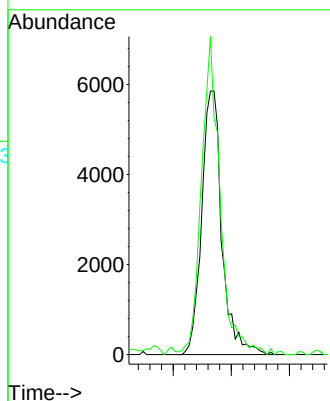
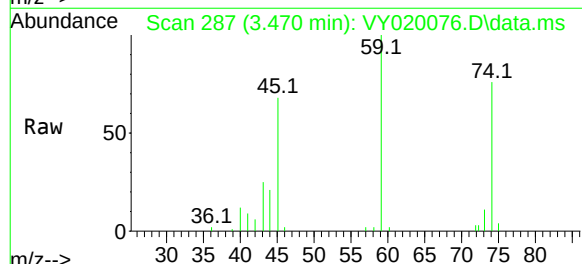
Manual Integrations
APPROVED

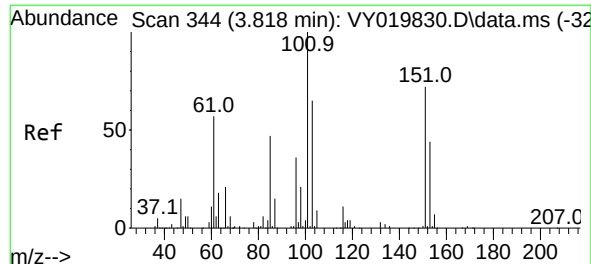
Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#8
Diethyl Ether
Concen: 9.300 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.013 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Tgt Ion: 74 Resp: 14130
Ion Ratio Lower Upper
74 100
45 110.9 41.3 124.1





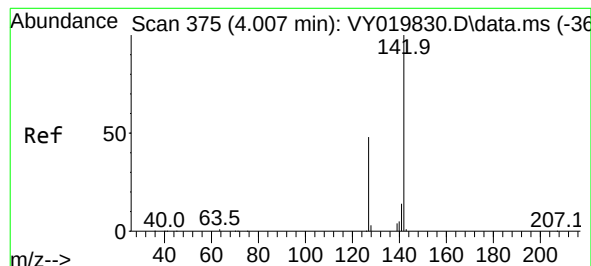
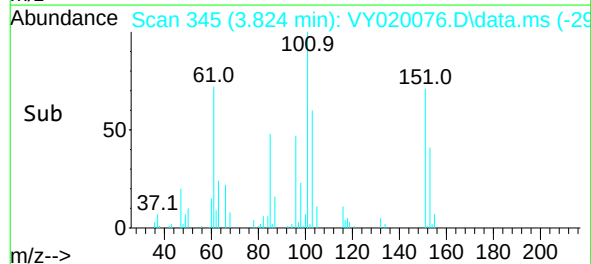
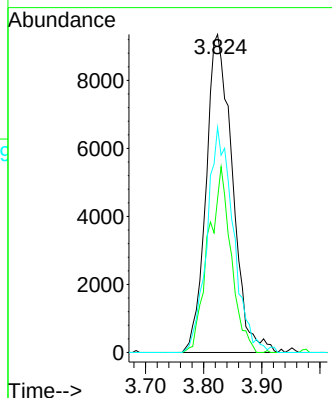
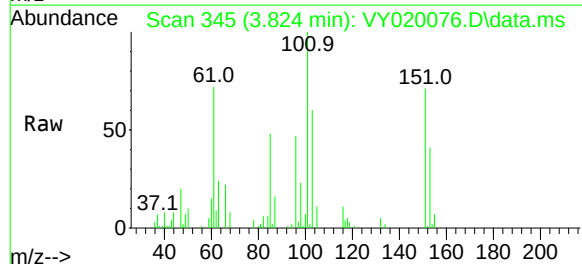
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.124 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.013 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:	101	Resp:	29440
Ion Ratio	Lower	Upper	
101	100		
85	50.7	34.5	51.7
151	70.7	61.7	92.5

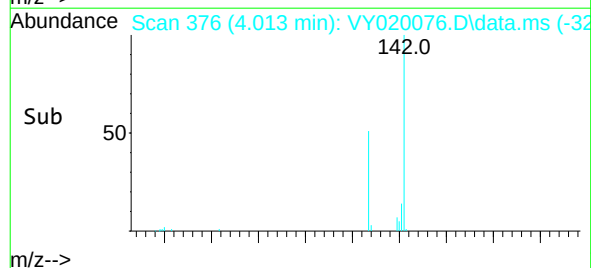
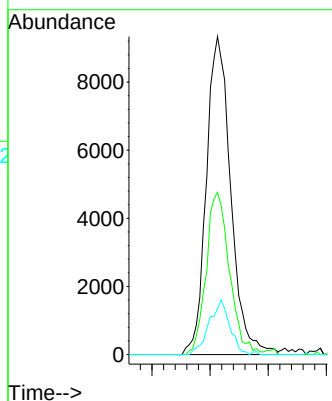
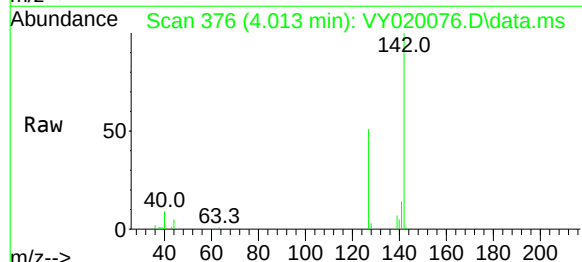
Manual Integrations
APPROVED

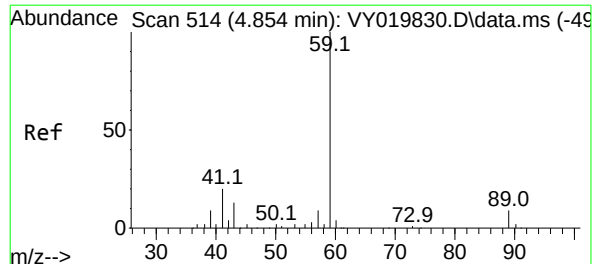
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 9.267 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Tgt Ion:	142	Resp:	27256
Ion Ratio	Lower	Upper	
142	100		
127	48.7	32.8	49.2
141	14.5	11.4	17.2





#11

Tert butyl alcohol

Concen: 48.551 ug/l

RT: 4.860 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 14113

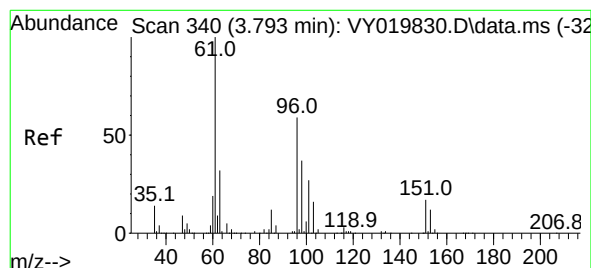
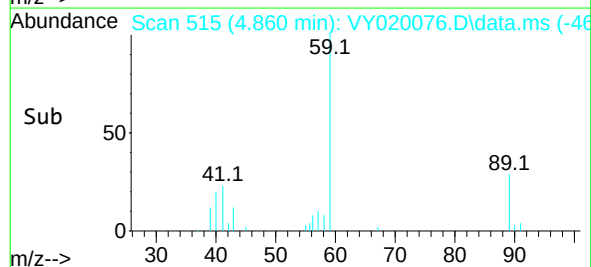
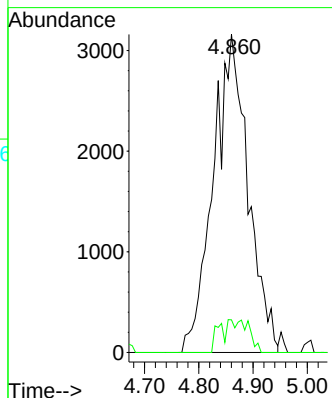
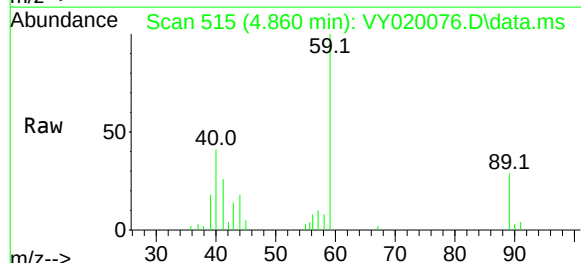
Ion Ratio Lower Upper

59 100

57 2.3 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#12

1,1-Dichloroethene

Concen: 10.777 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.013 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

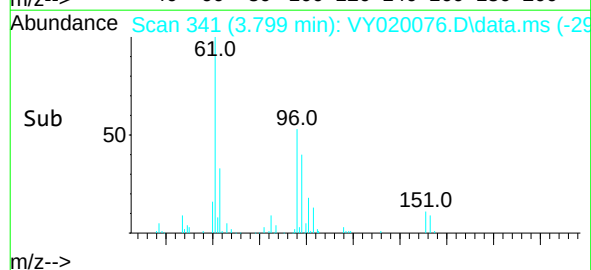
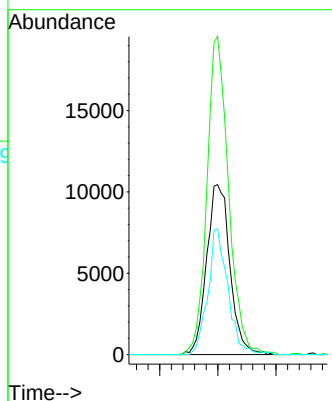
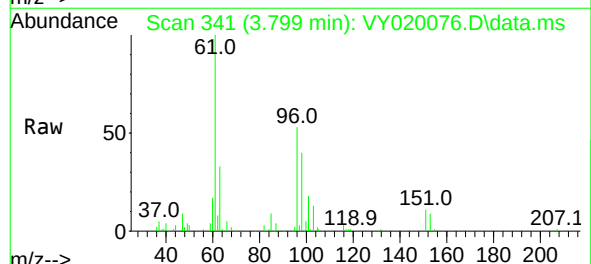
Tgt Ion: 96 Resp: 29134

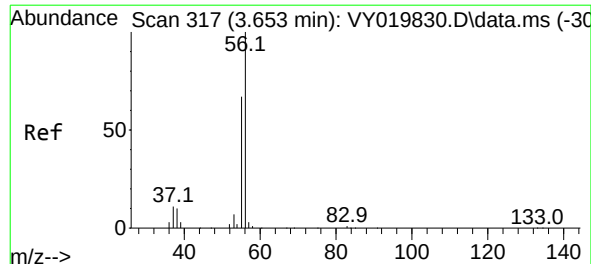
Ion Ratio Lower Upper

96 100

61 187.2 114.6 171.8#

98 74.0 50.8 76.2





#13

Acrolein

Concen: 66.225 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion: 56 Resp: 15099

Ion Ratio Lower Upper

56 100

55 71.6 55.7 83.5

Instrument :

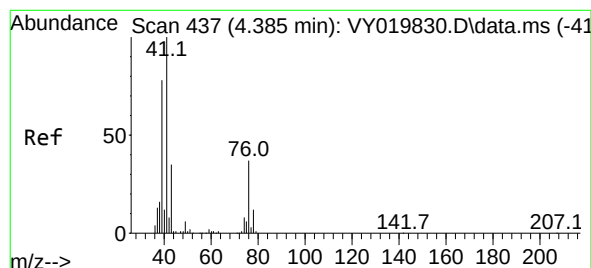
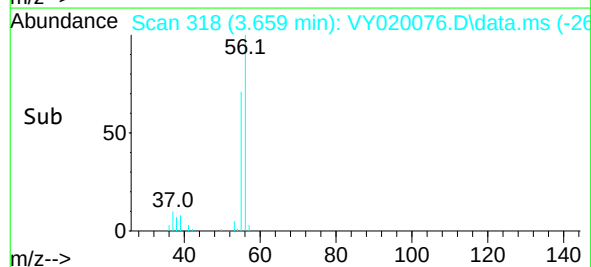
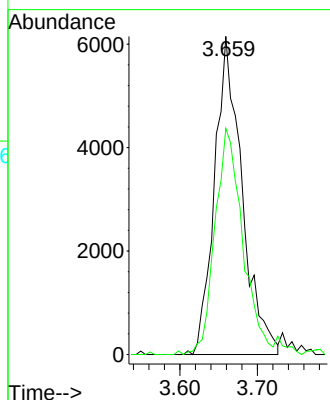
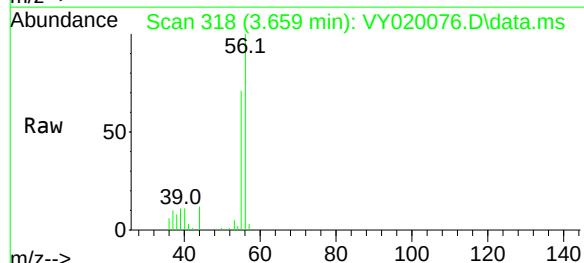
MSVOA_Y

ClientSampleId :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#14

Allyl chloride

Concen: 9.833 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.013 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

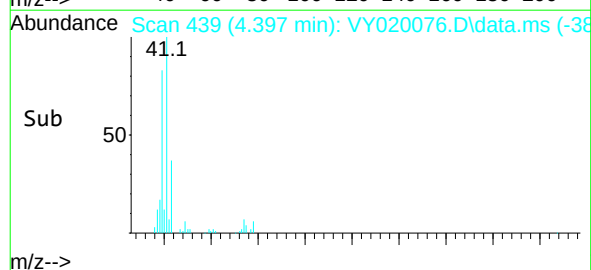
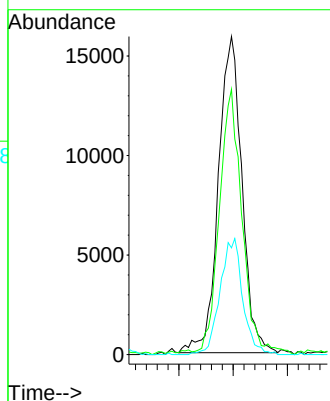
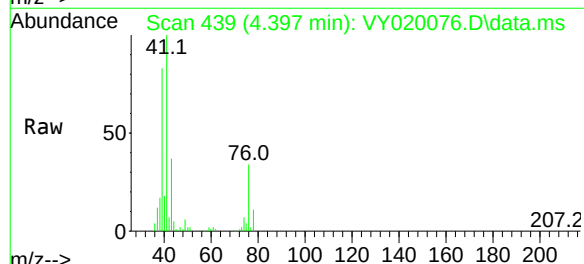
Tgt Ion: 41 Resp: 47964

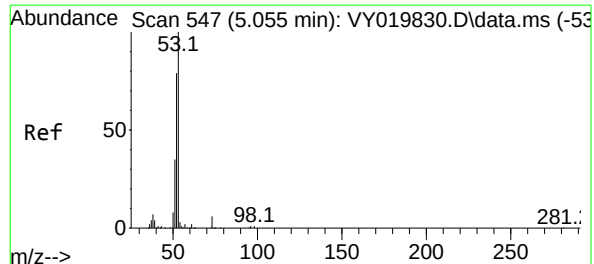
Ion Ratio Lower Upper

41 100

39 81.2 58.3 87.5

76 35.3 39.0 58.6#





#15

Acrylonitrile

Concen: 46.888 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

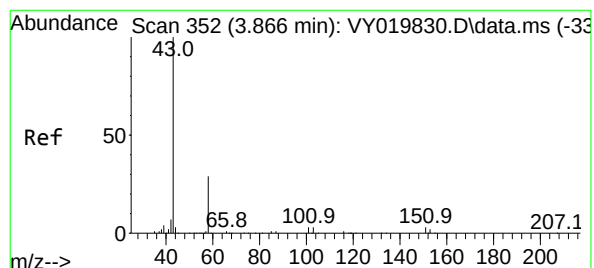
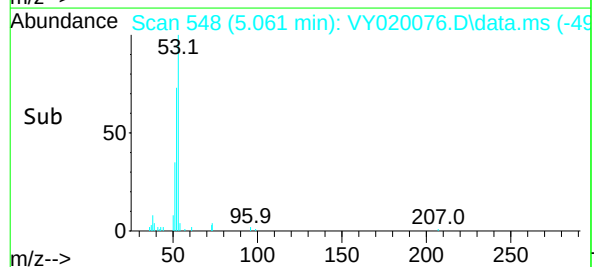
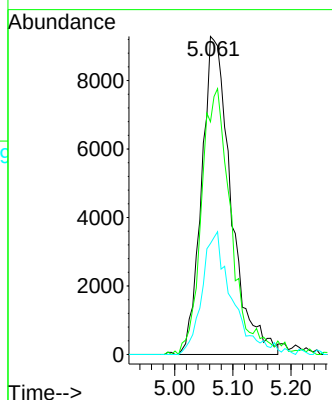
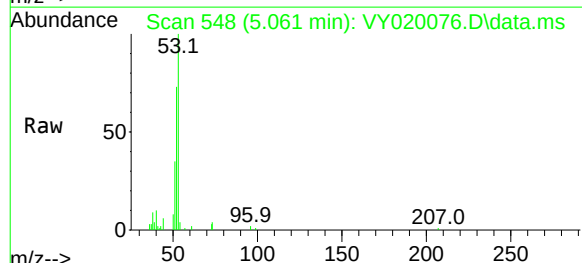
ClientSampleId :

VSTDICC010

Tgt Ion:	53	Resp:	32586
Ion	Ratio	Lower	Upper
53	100		
52	83.7	64.7	97.1
51	39.3	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 43.166 ug/l

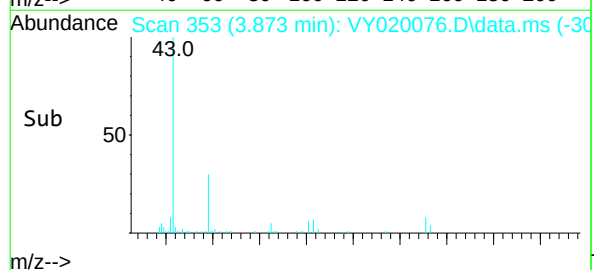
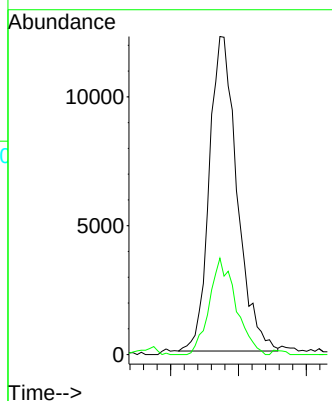
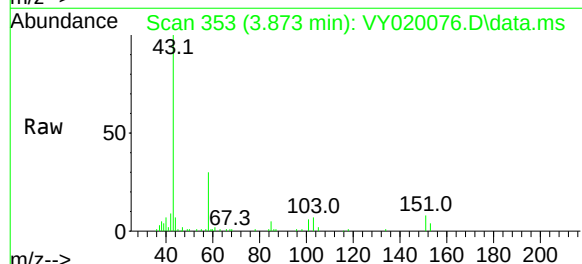
RT: 3.873 min Scan# 353

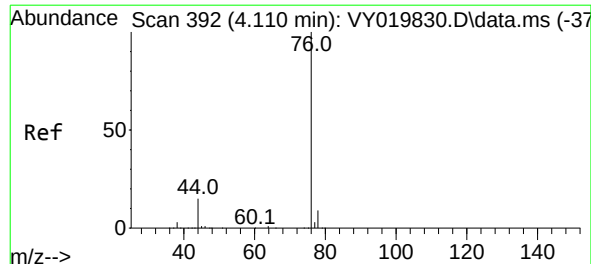
Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	43	Resp:	34866
Ion	Ratio	Lower	Upper
43	100		
58	30.7	31.7	47.5





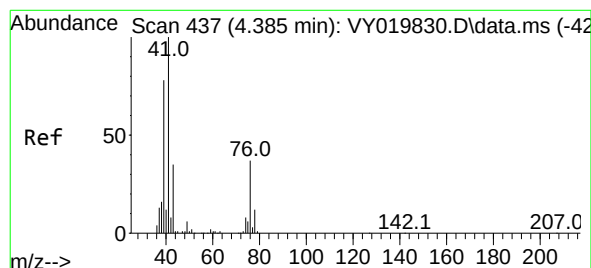
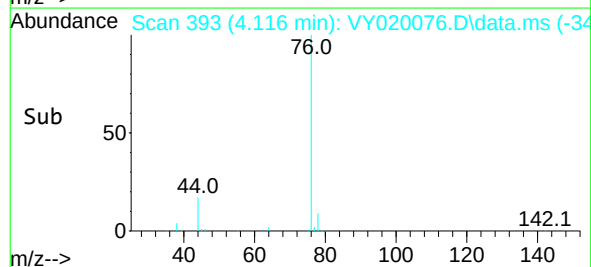
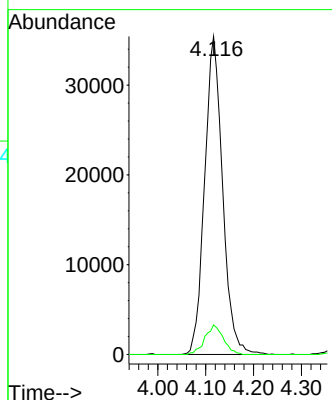
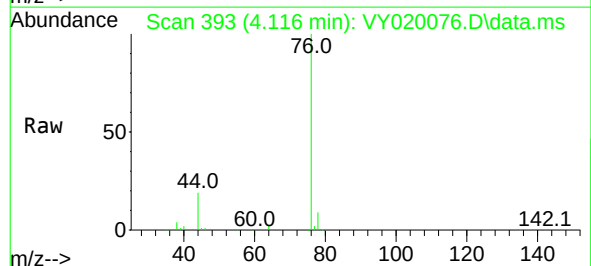
#17
Carbon Disulfide
Concen: 12.763 ug/l
RT: 4.116 min Scan# 39
Delta R.T. 0.013 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 92481
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

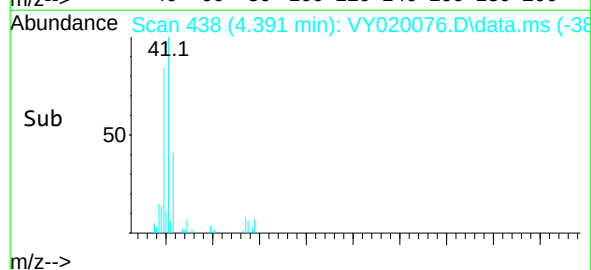
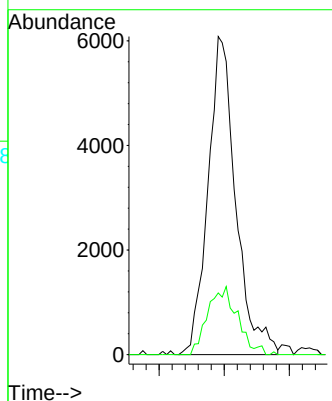
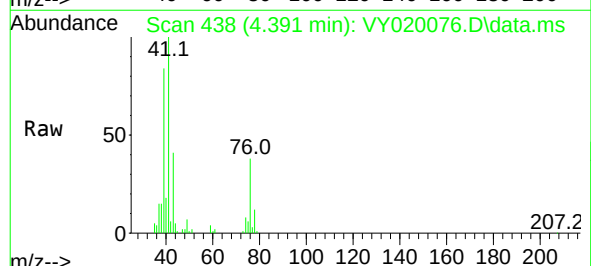
Manual Integrations
APPROVED

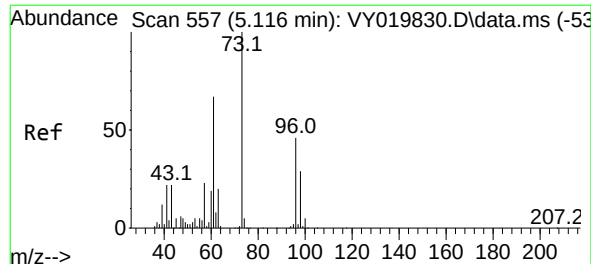
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#18
Methyl Acetate
Concen: 10.341 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Tgt Ion: 43 Resp: 17993
Ion Ratio Lower Upper
43 100
74 22.9 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 8.722 ug/l

RT: 5.122 min Scan# 557

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 67742

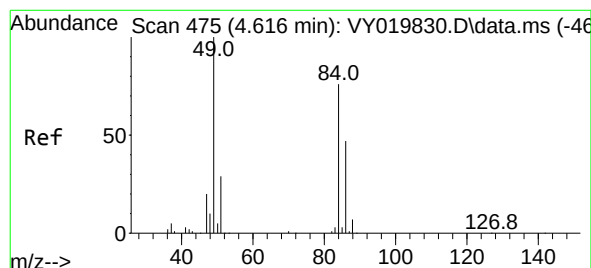
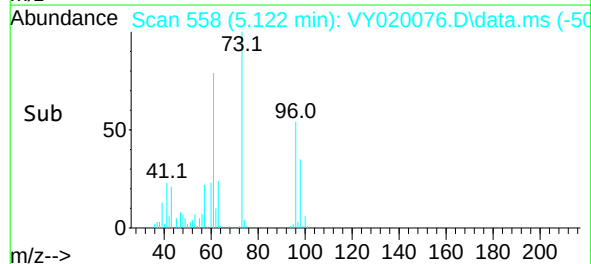
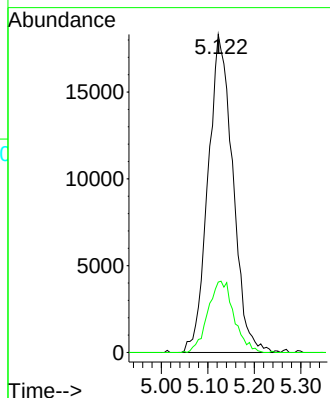
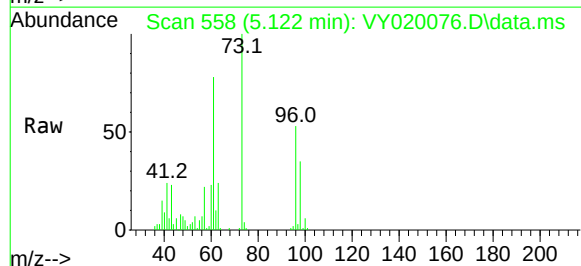
Ion Ratio Lower Upper

73 100

57 22.1 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#20

Methylene Chloride

Concen: 11.062 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion: 84 Resp: 36061

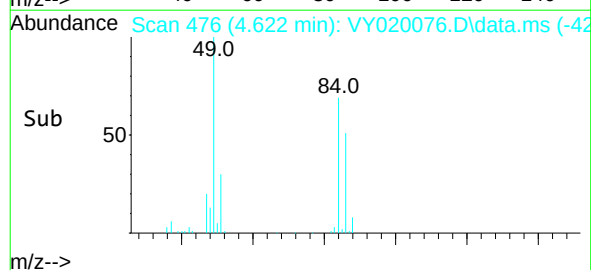
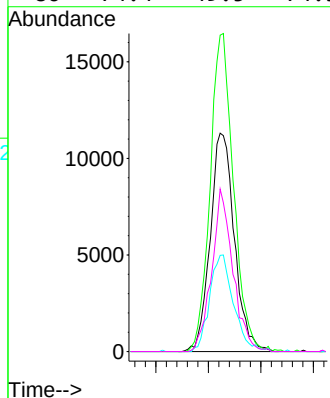
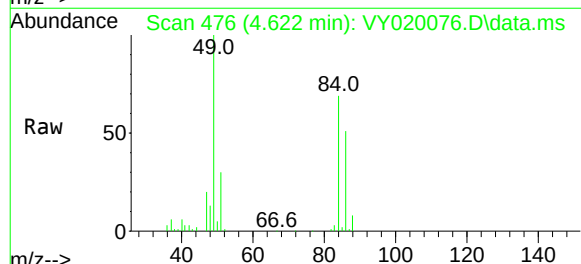
Ion Ratio Lower Upper

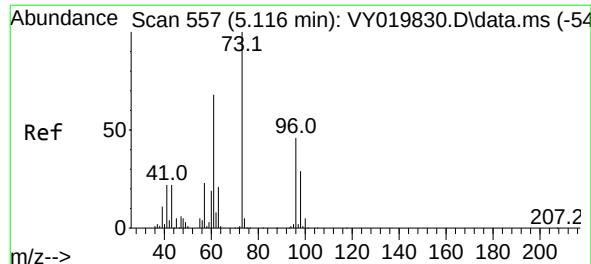
84 100

49 144.9 84.4 126.6#

51 44.1 26.0 39.0#

86 74.4 49.5 74.3#





#21

trans-1,2-Dichloroethene

Concen: 10.580 ug/l

RT: 5.128 min Scan# 557

Delta R.T. 0.019 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 31130

Ion Ratio Lower Upper

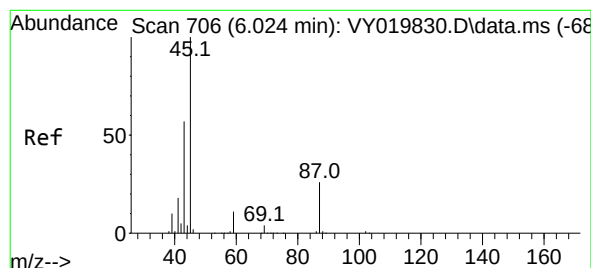
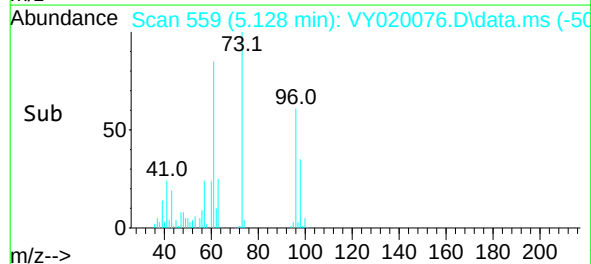
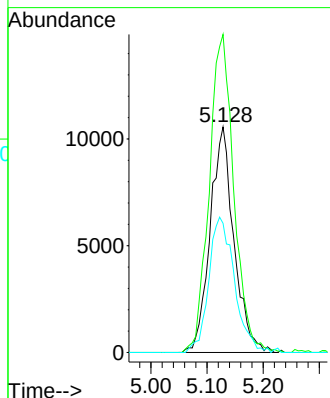
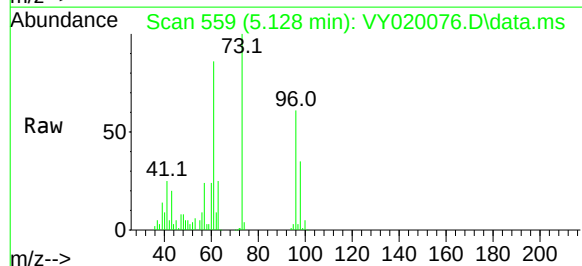
96 100

61 141.0 97.5 146.3

98 57.3 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#22

Diisopropyl ether

Concen: 9.452 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion: 45 Resp: 100421

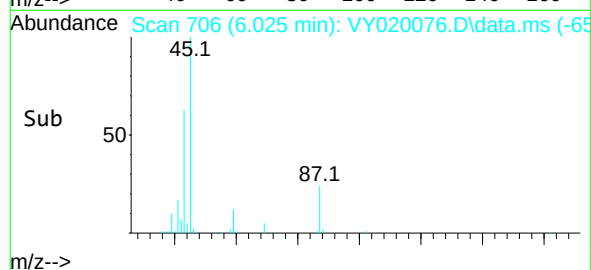
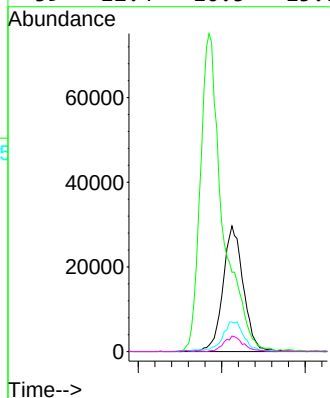
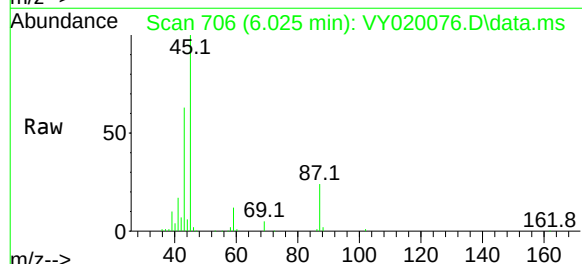
Ion Ratio Lower Upper

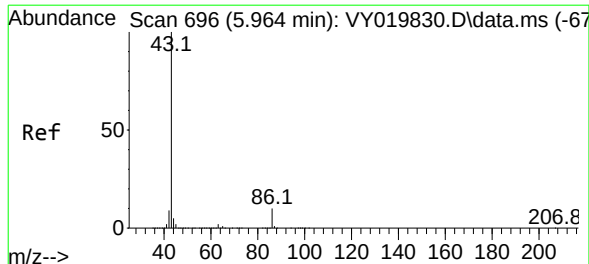
45 100

43 62.9 42.2 63.2

87 23.3 25.0 37.6#

59 12.4 10.5 15.7





#23

Vinyl Acetate

Concen: 45.993 ug/l

RT: 5.970 min Scan# 69

Delta R.T. 0.013 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 280142

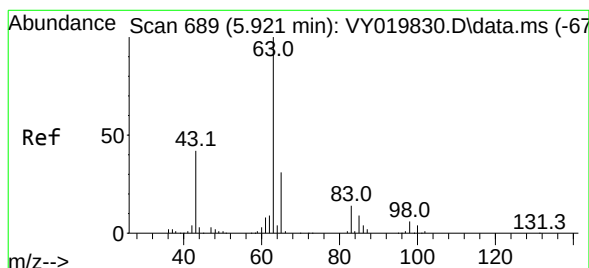
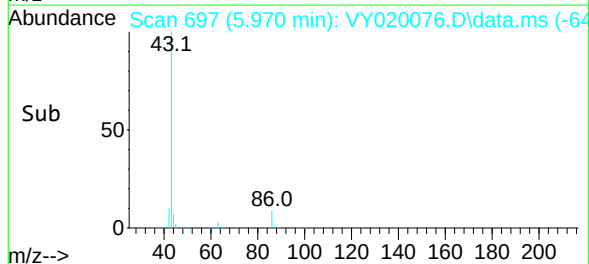
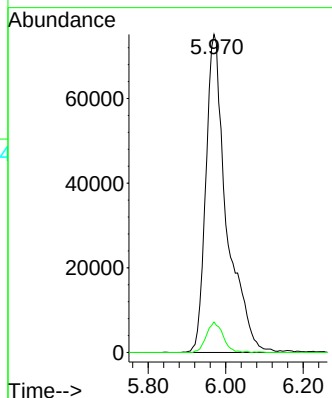
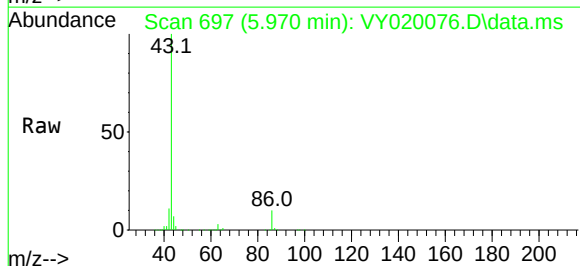
Ion Ratio Lower Upper

43 100

86 9.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#24

1,1-Dichloroethane

Concen: 10.319 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

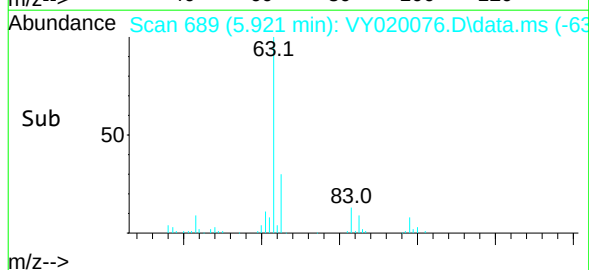
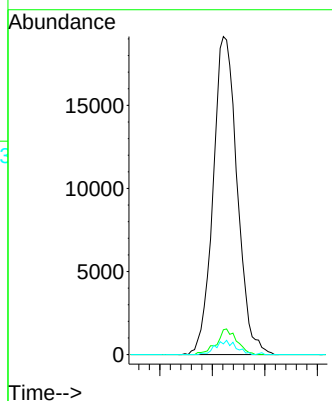
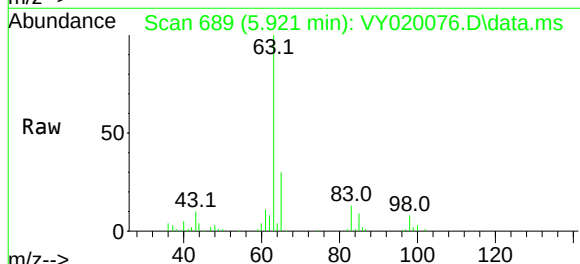
Tgt Ion: 63 Resp: 60946

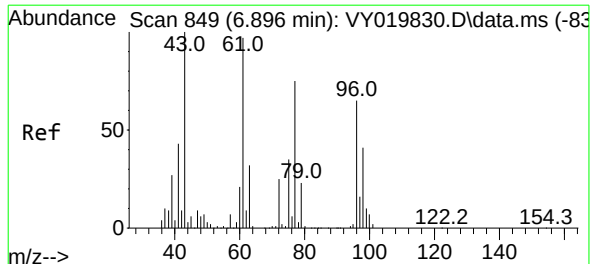
Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.2

100 3.3 2.6 8.0





#25

2-Butanone

Concen: 45.965 ug/l

RT: 6.903 min Scan# 85

Delta R.T. 0.013 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 49695

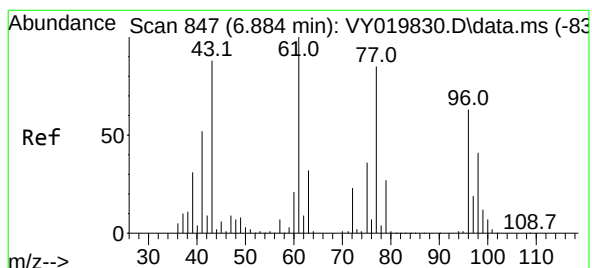
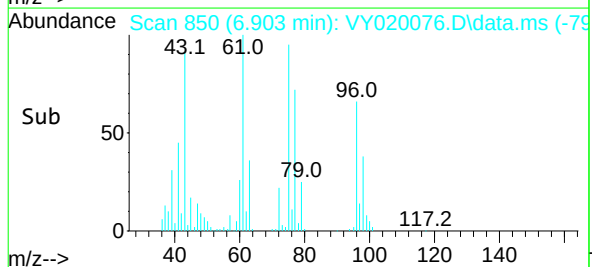
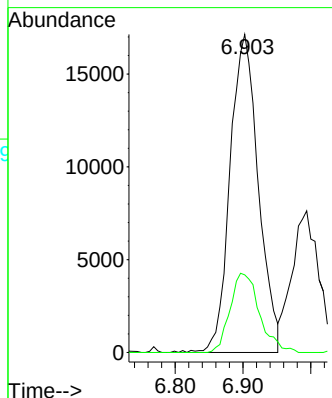
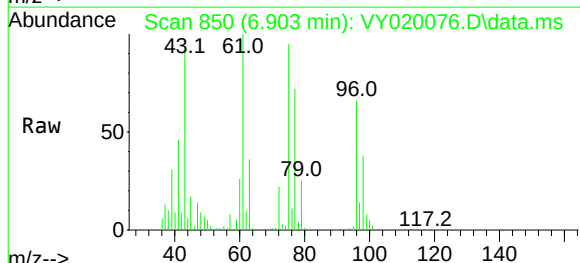
Ion Ratio Lower Upper

43 100

72 24.4 27.3 40.9#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#26

2,2-Dichloropropane

Concen: 9.274 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.013 min

Lab File: VY020076.D

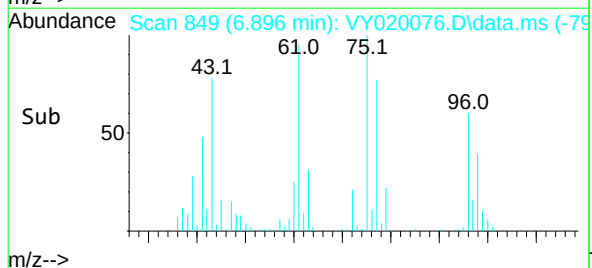
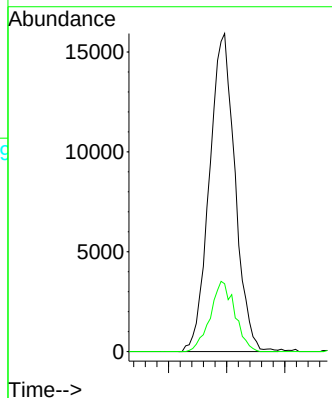
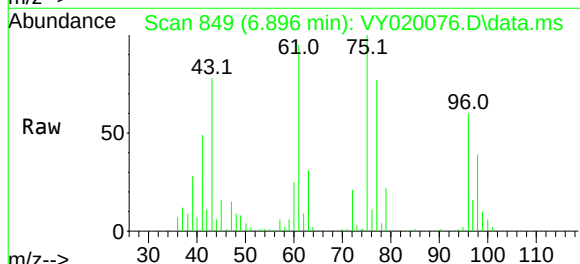
Acq: 30 Oct 2024 13:02

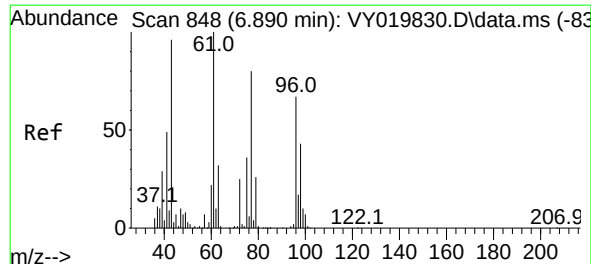
Tgt Ion: 77 Resp: 48779

Ion Ratio Lower Upper

77 100

97 21.1 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 9.892 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

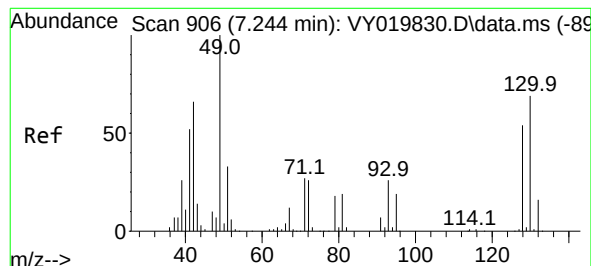
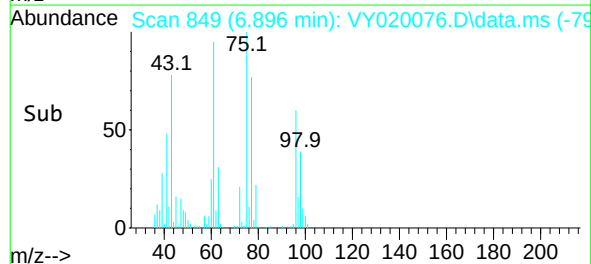
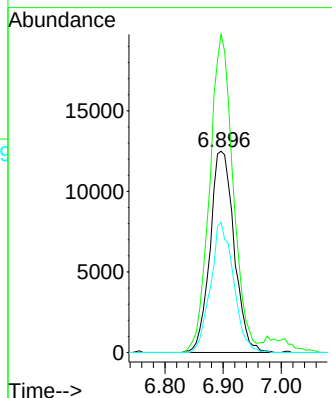
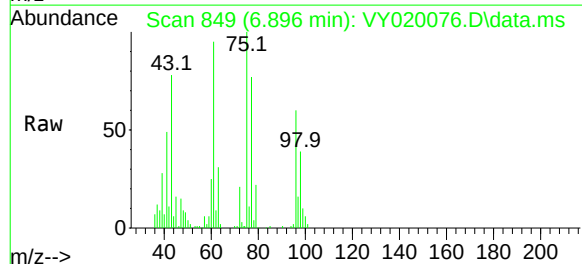
ClientSampleId :

VSTDICC010

Tgt Ion:	96	Resp:	35967
Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	256.2
98	61.7	0.0	130.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#28

Bromochloromethane

Concen: 10.890 ug/l

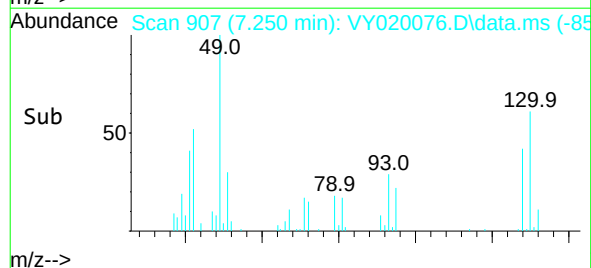
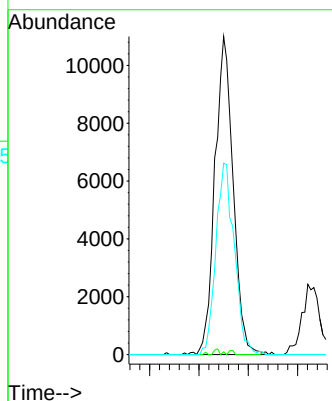
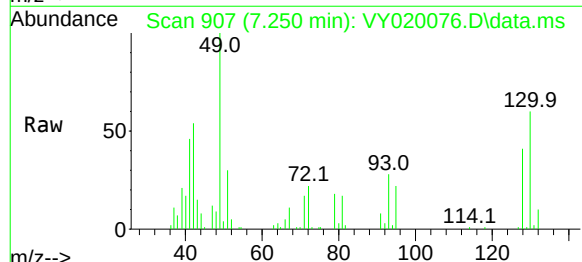
RT: 7.250 min Scan# 907

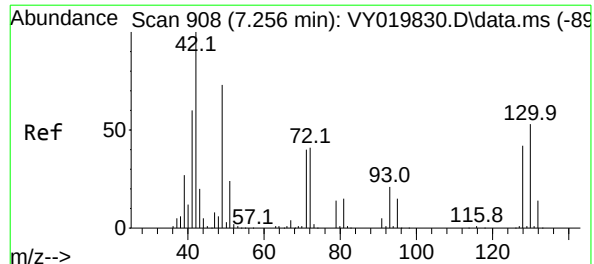
Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	49	Resp:	28309
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	60.9	72.7	109.1#





#29

Tetrahydrofuran

Concen: 46.288 ug/l

RT: 7.268 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

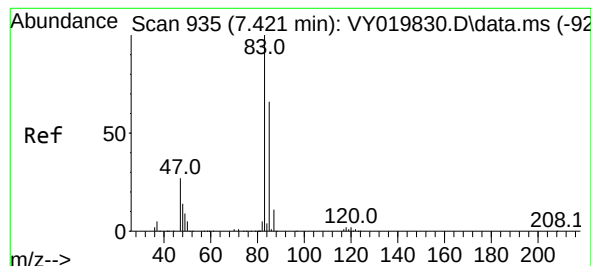
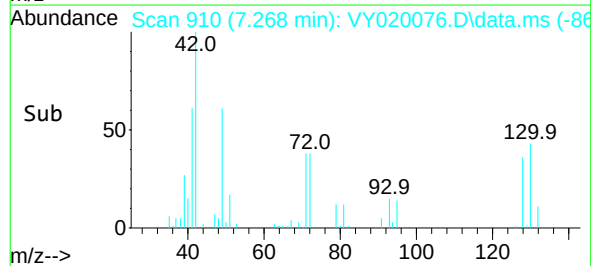
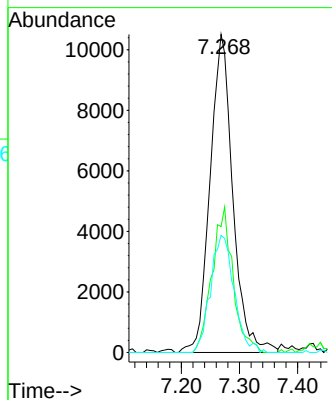
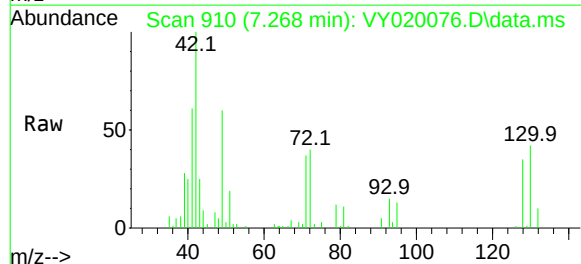
ClientSampleId :

VSTDIC010

Tgt Ion:	42	Resp:	28574
Ion	Ratio	Lower	Upper
42	100		
72	42.3	43.0	64.4
71	38.3	40.8	61.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#30

Chloroform

Concen: 9.798 ug/l

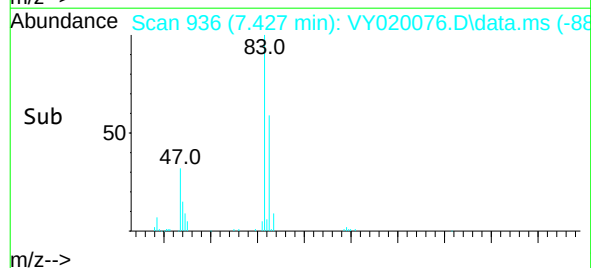
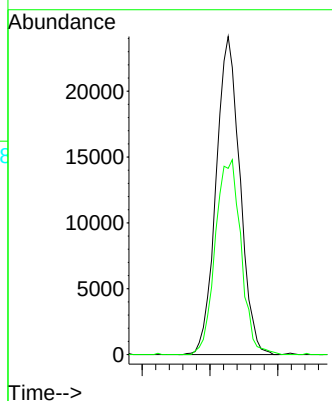
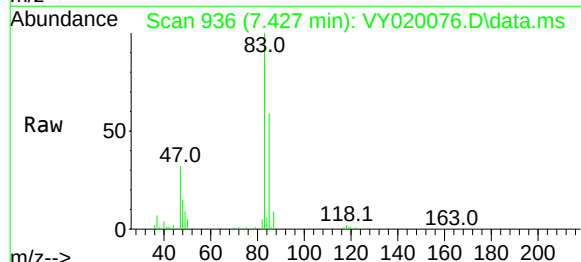
RT: 7.427 min Scan# 936

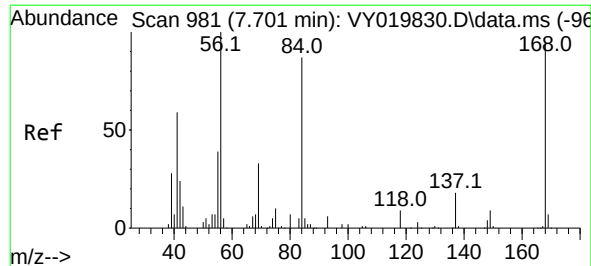
Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	83	Resp:	58988
Ion	Ratio	Lower	Upper
83	100		
85	58.5	52.2	78.4





#31

Cyclohexane

Concen: 11.721 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 60768

Ion Ratio Lower Upper

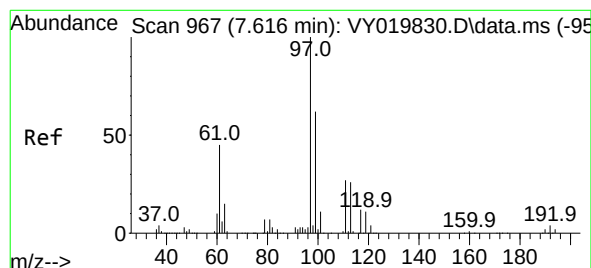
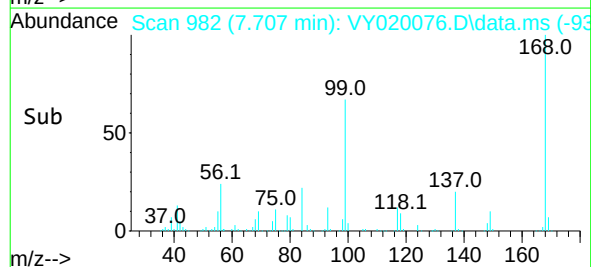
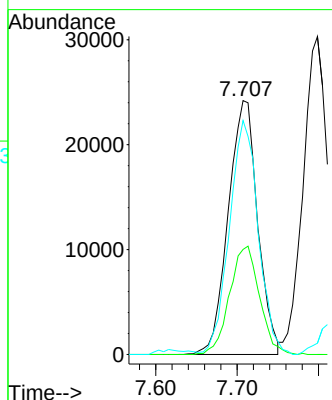
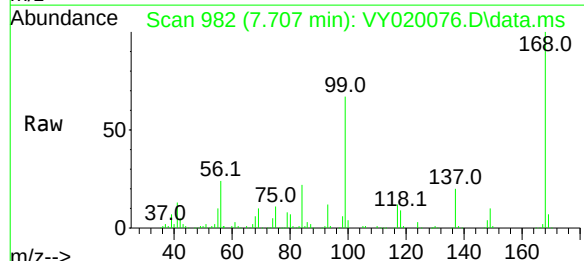
56 100

69 41.4 28.7 43.1

84 90.8 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#32

1,1,1-Trichloroethane

Concen: 9.798 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

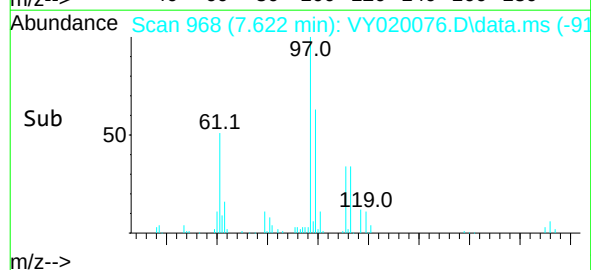
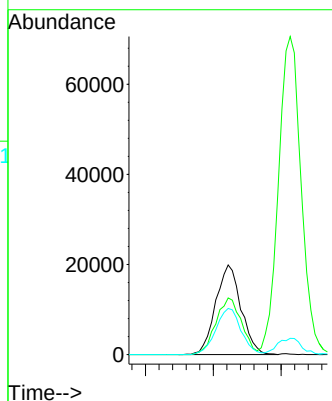
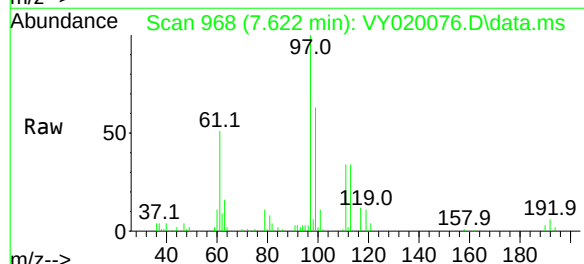
Tgt Ion: 97 Resp: 51697

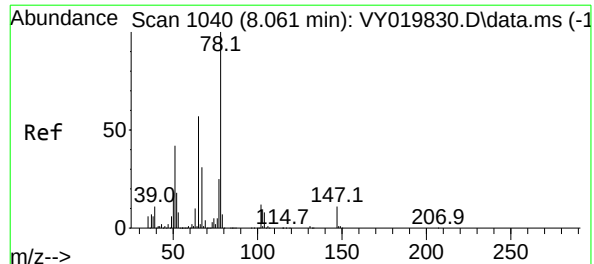
Ion Ratio Lower Upper

97 100

99 63.8 50.3 75.5

61 51.2 32.6 48.8#





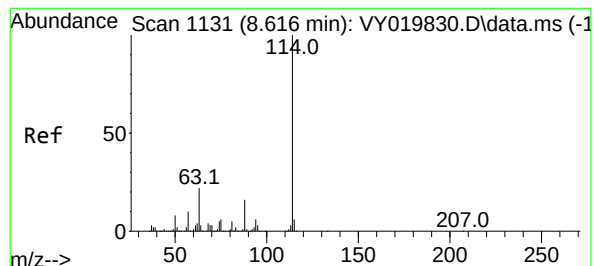
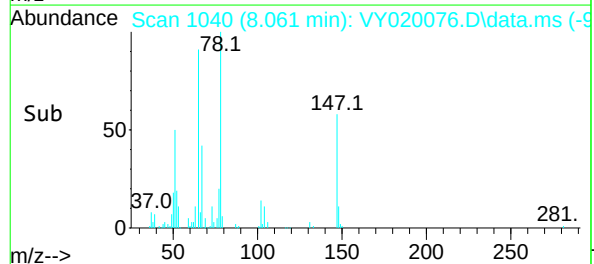
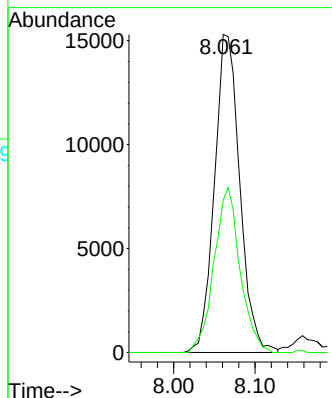
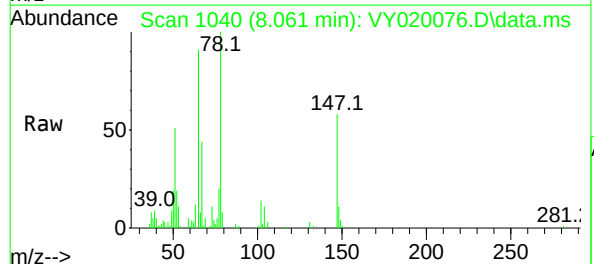
#33
1,2-Dichloroethane-d4
Concen: 10.669 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 33105
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6

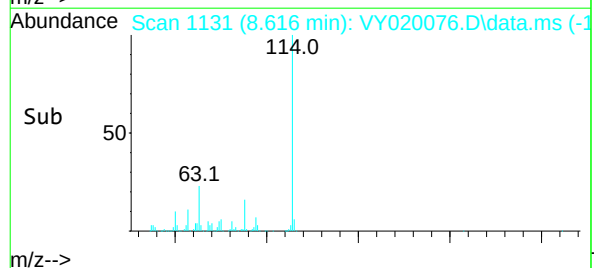
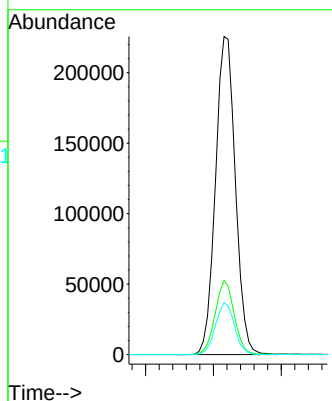
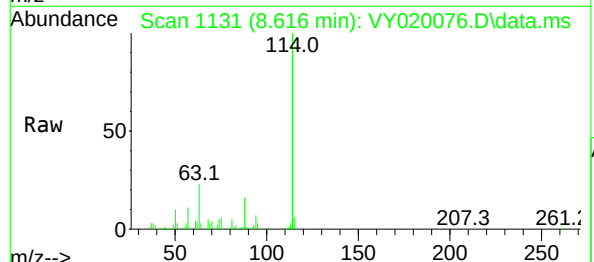
Manual Integrations
APPROVED

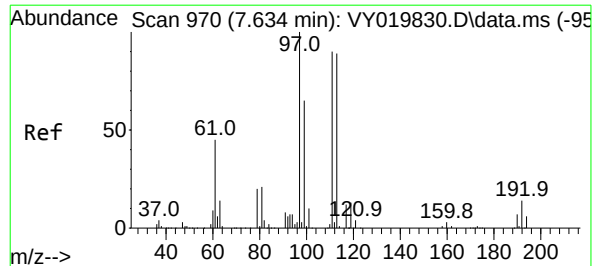
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Tgt Ion:114 Resp: 459666
Ion Ratio Lower Upper
114 100
63 23.2 0.0 35.0
88 16.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 9.608 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

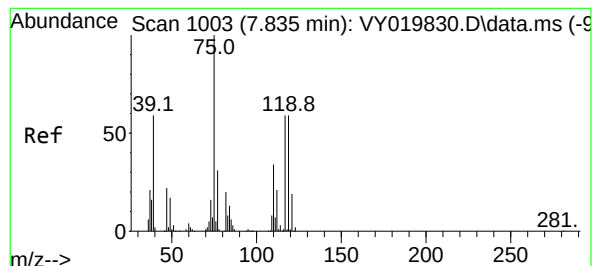
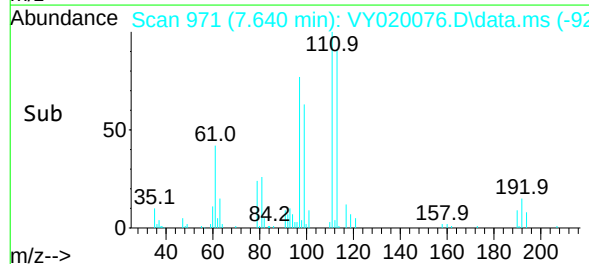
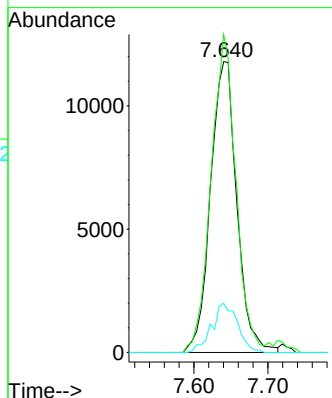
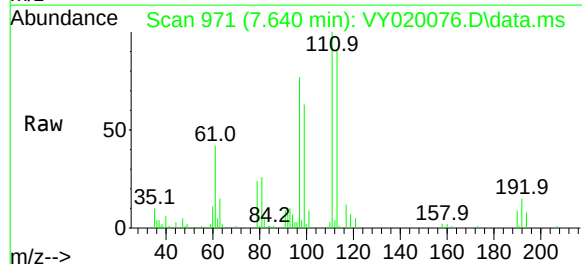
ClientSampleId :

VSTDICC010

Tgt Ion:	113	Resp:	29145
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	16.7	15.9	23.9

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#36

1,1-Dichloropropene

Concen: 10.510 ug/l

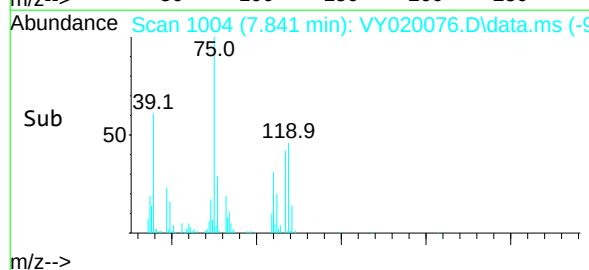
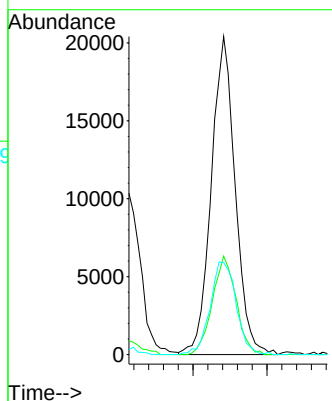
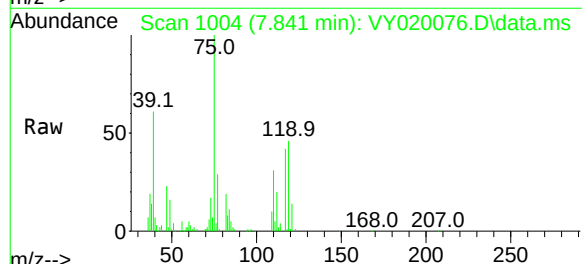
RT: 7.841 min Scan# 1004

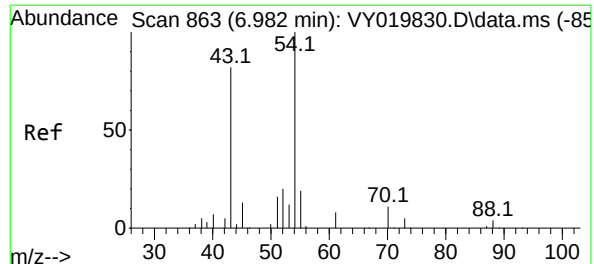
Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	75	Resp:	45929
Ion	Ratio	Lower	Upper
75	100		
110	30.6	19.0	57.0
77	31.7	25.3	37.9





#37

Ethyl Acetate

Concen: 9.132 ug/l

RT: 6.994 min Scan# 86

Delta R.T. 0.013 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 20808

Ion Ratio Lower Upper

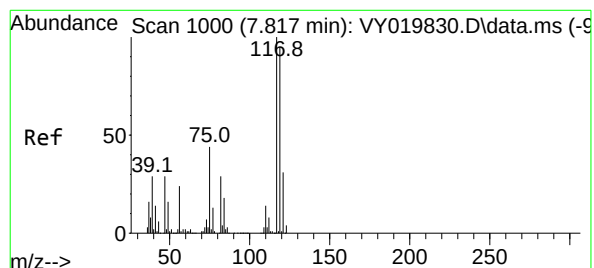
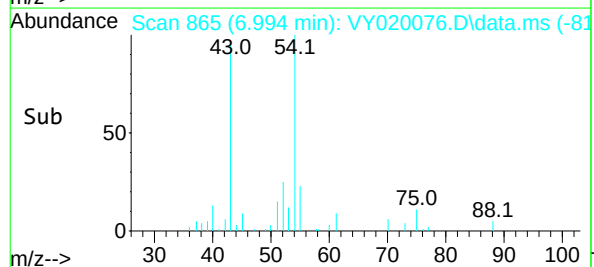
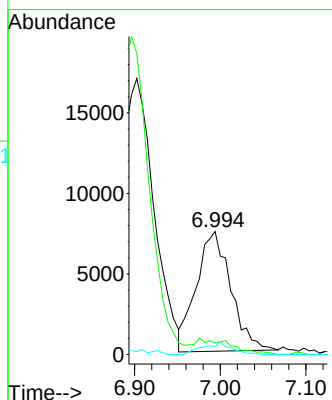
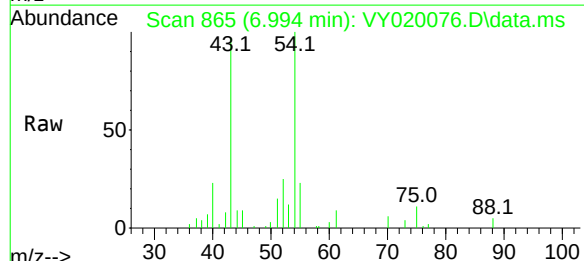
43 100

61 0.0 12.6 19.0

70 8.5 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#38

Carbon Tetrachloride

Concen: 9.635 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

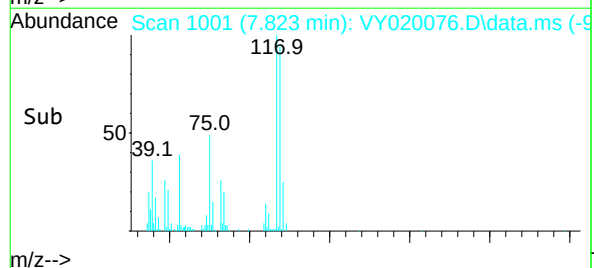
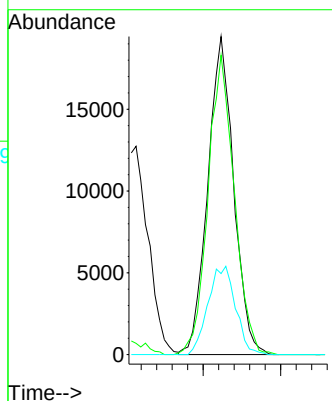
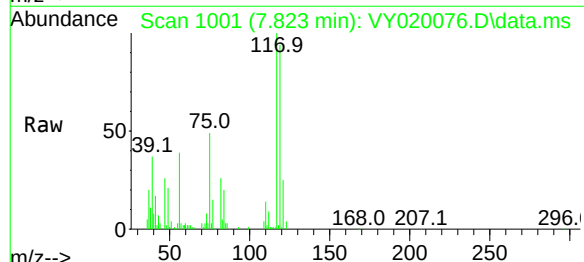
Tgt Ion:117 Resp: 45138

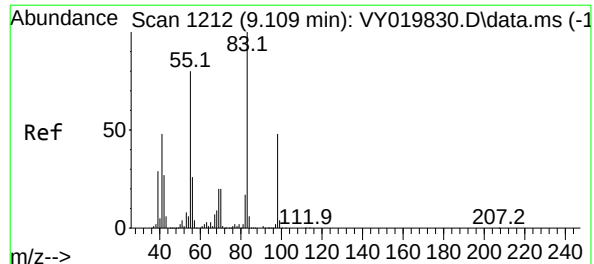
Ion Ratio Lower Upper

117 100

119 94.1 75.8 113.6

121 25.5 24.0 36.0





#39

Methylcyclohexane

Concen: 10.046 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 83 Resp: 55314

Ion Ratio Lower Upper

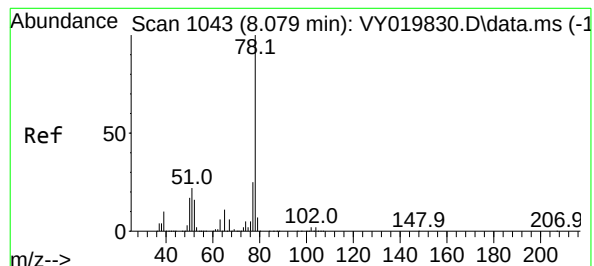
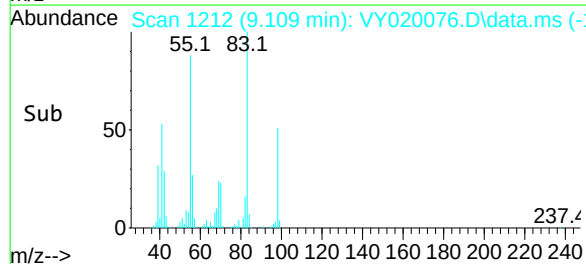
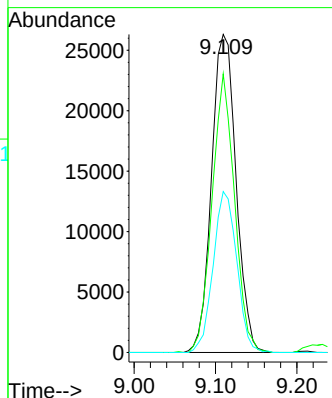
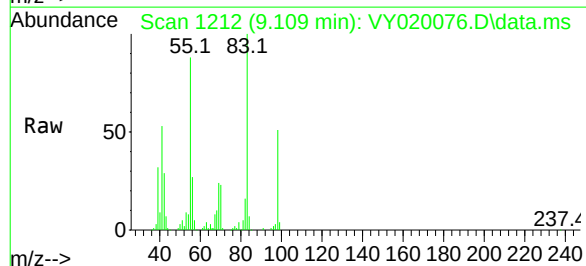
83 100

55 87.6 51.5 77.3

98 50.6 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#40

Benzene

Concen: 9.765 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY020076.D

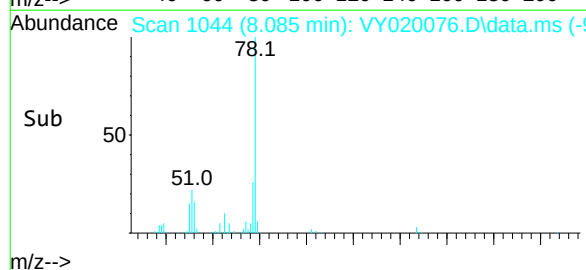
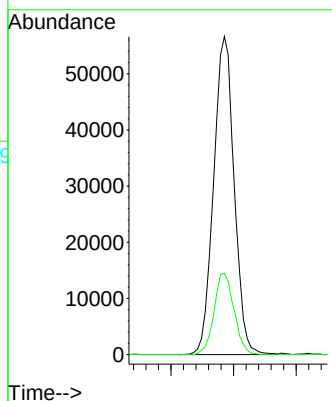
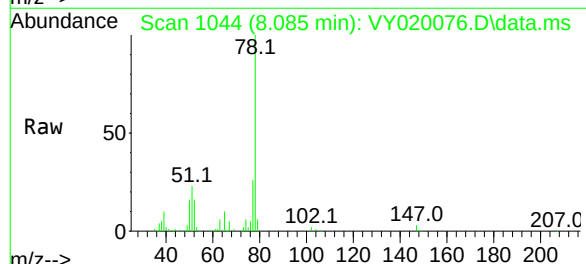
Acq: 30 Oct 2024 13:02

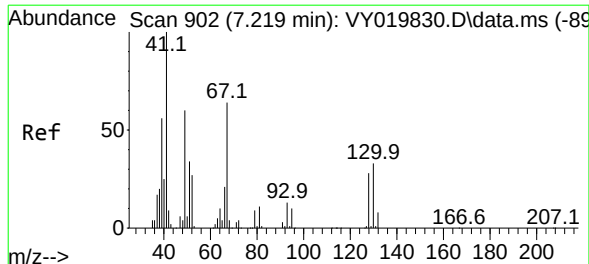
Tgt Ion: 78 Resp: 129152

Ion Ratio Lower Upper

78 100

77 25.6 19.5 29.3





#41

Methacrylonitrile

Concen: 8.580 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 41 Resp: 10582

Ion Ratio Lower Upper

41 100

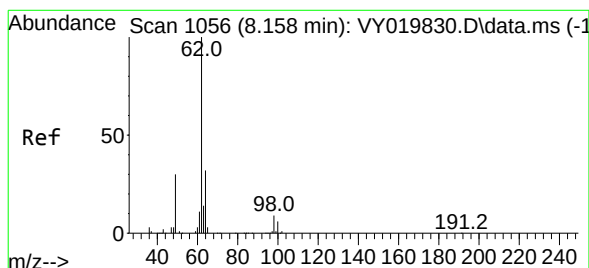
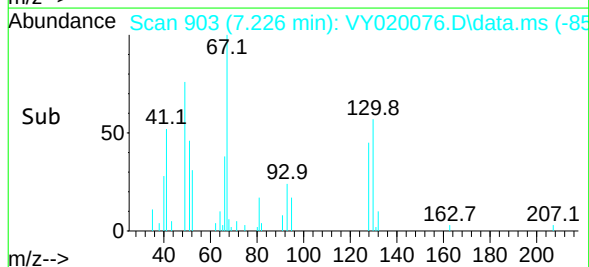
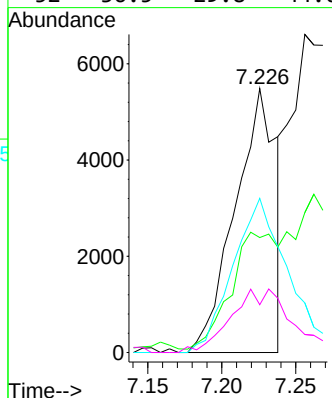
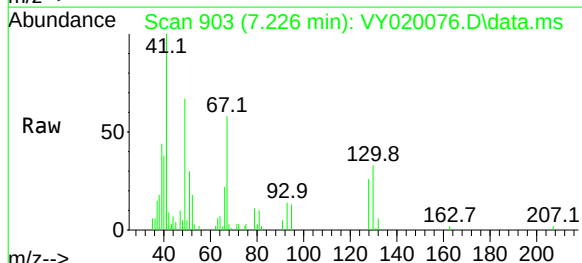
39 50.8 48.0 72.0

67 78.4 75.1 112.7

52 36.5 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#42

1,2-Dichloroethane

Concen: 9.472 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY020076.D

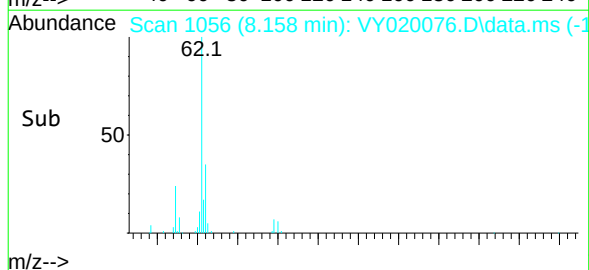
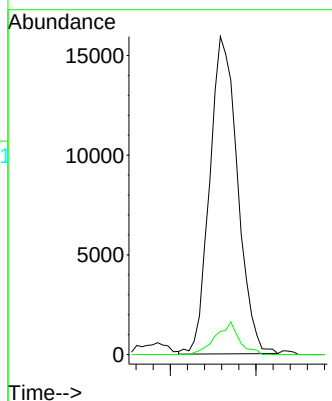
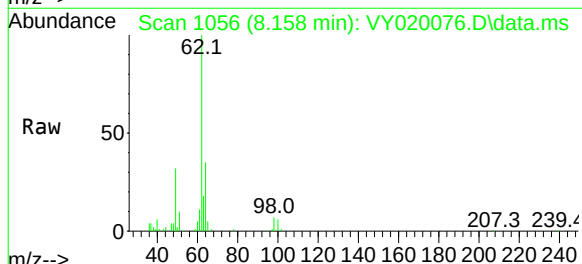
Acq: 30 Oct 2024 13:02

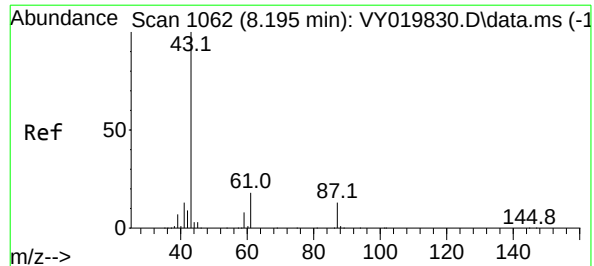
Tgt Ion: 62 Resp: 35990

Ion Ratio Lower Upper

62 100

98 8.7 0.0 22.0





#43

Isopropyl Acetate

Concen: 8.707 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

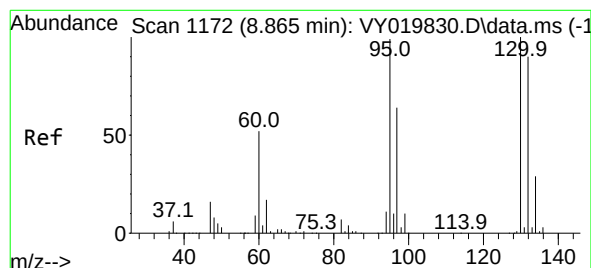
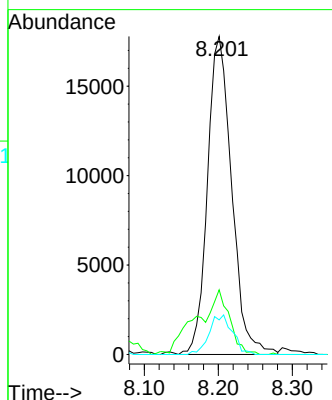
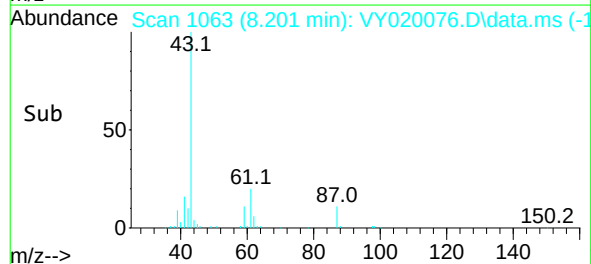
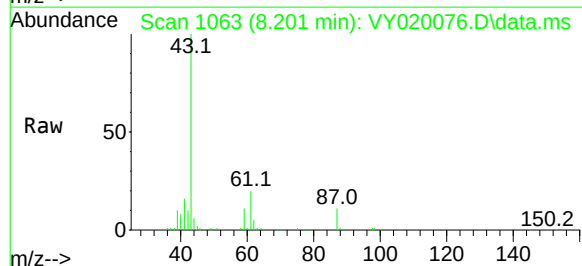
ClientSampleId :

VSTDICC010

Tgt Ion:	43	Resp:	40461
Ion	Ratio	Lower	Upper
43	100		
61	15.4	27.9	41.9
87	12.0	13.1	19.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 9.513 ug/l

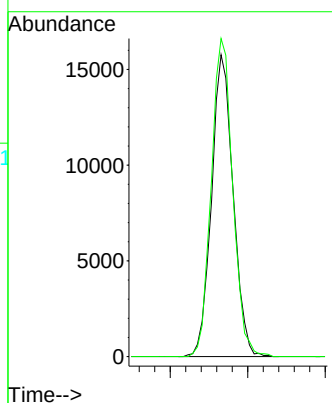
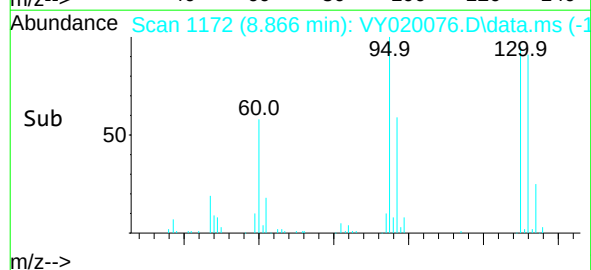
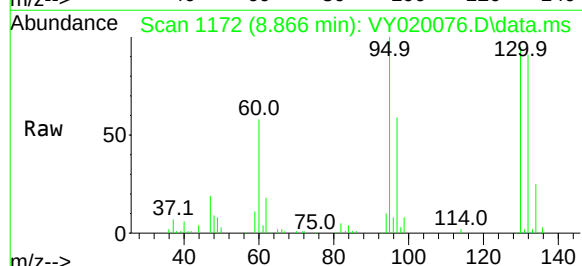
RT: 8.866 min Scan# 1172

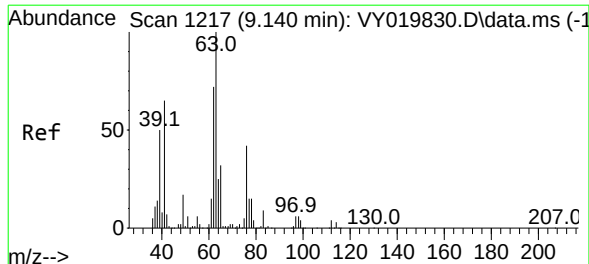
Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	130	Resp:	30471
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 9.196 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 63 Resp: 30442

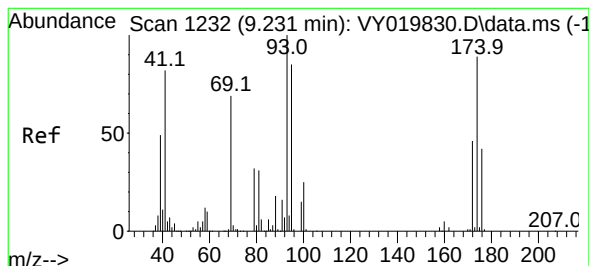
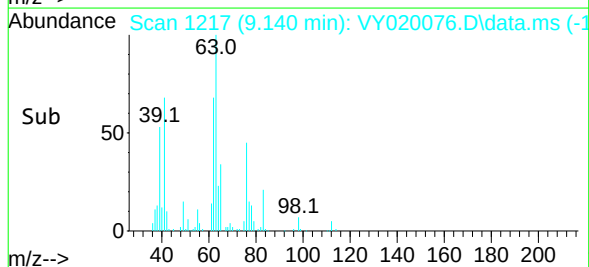
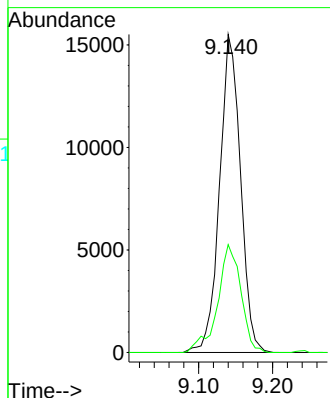
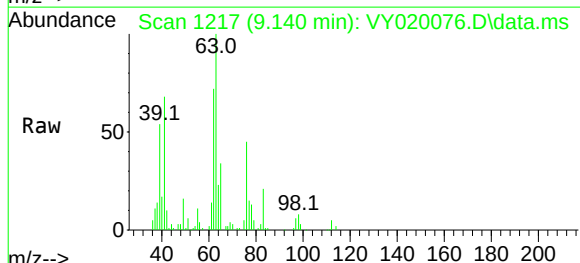
Ion Ratio Lower Upper

63 100

65 33.9 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#46

Dibromomethane

Concen: 9.402 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

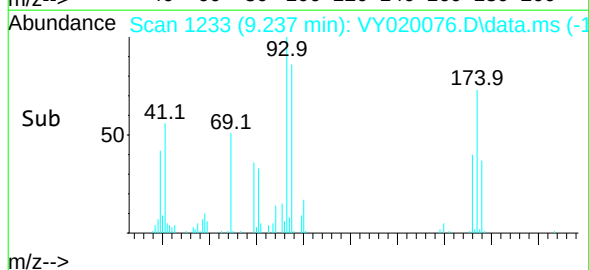
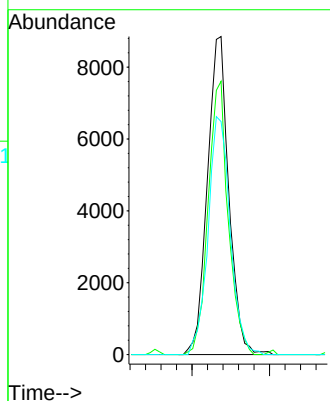
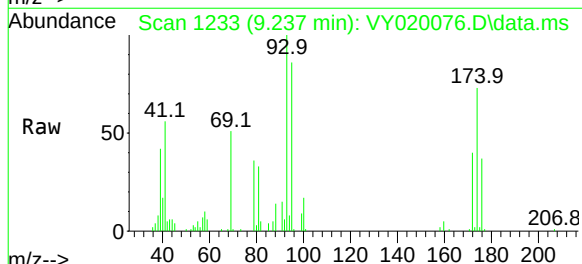
Tgt Ion: 93 Resp: 17004

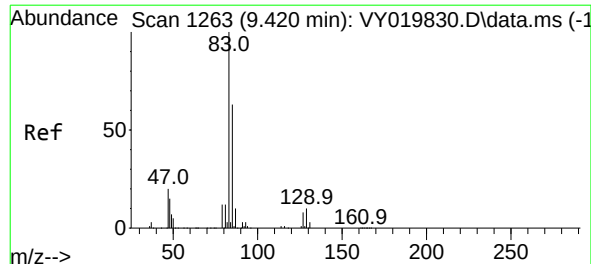
Ion Ratio Lower Upper

93 100

95 80.6 66.2 99.4

174 77.2 80.9 121.3#





#47

Bromodichloromethane

Concen: 9.116 ug/l

RT: 9.426 min Scan# 12

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

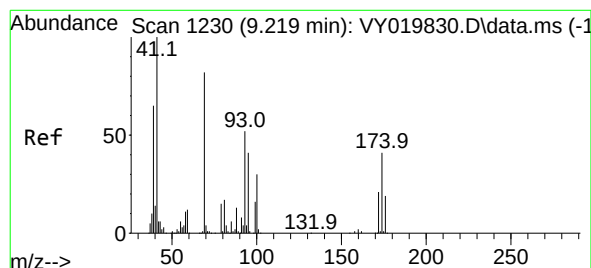
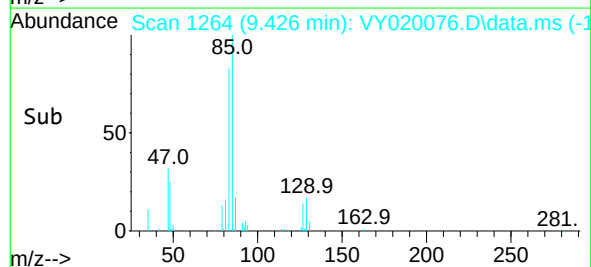
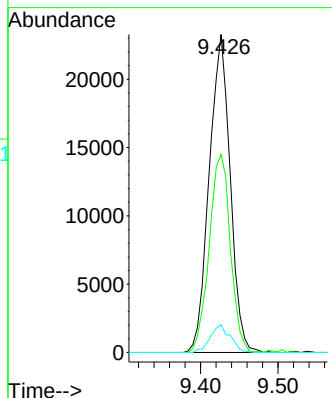
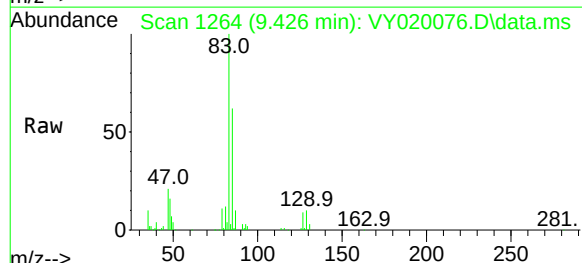
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	43762
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.1	75.1
127	8.8	7.4	11.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48

Methyl methacrylate

Concen: 8.808 ug/l

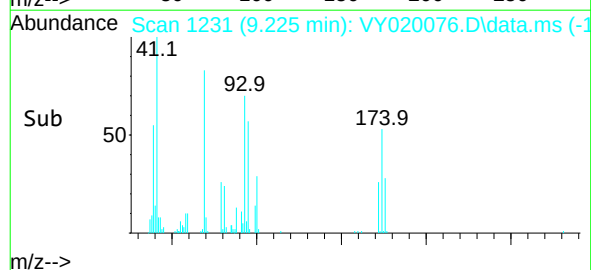
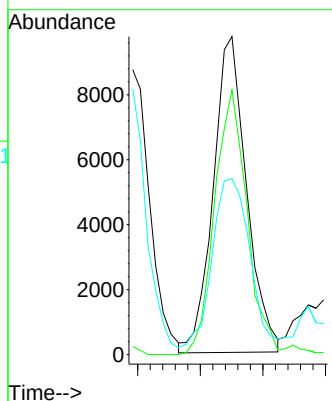
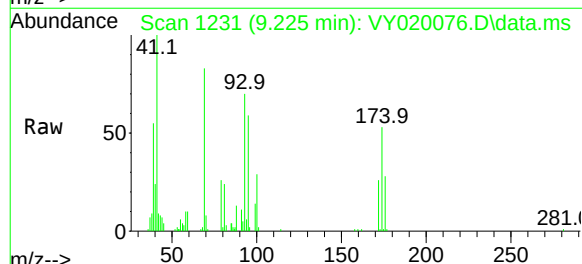
RT: 9.225 min Scan# 1231

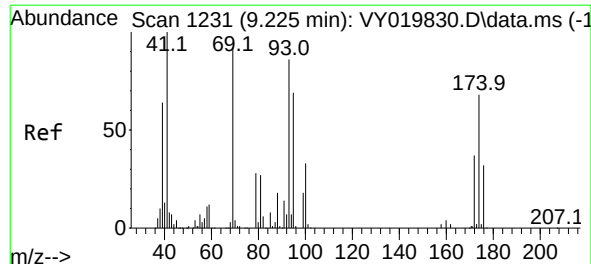
Delta R.T. 0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	41	Resp:	18005
Ion	Ratio	Lower	Upper
41	100		
69	81.3	84.1	126.1#
39	59.8	43.6	65.4





#49

1,4-Dioxane

Concen: 167.225 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 3385

Ion Ratio Lower Upper

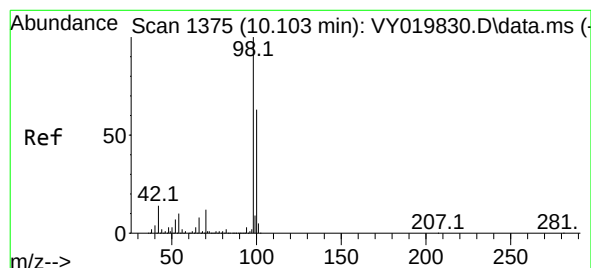
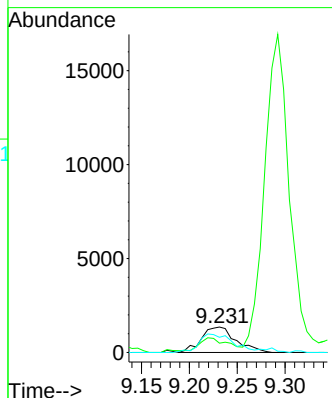
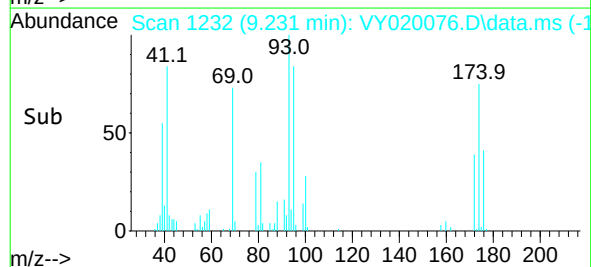
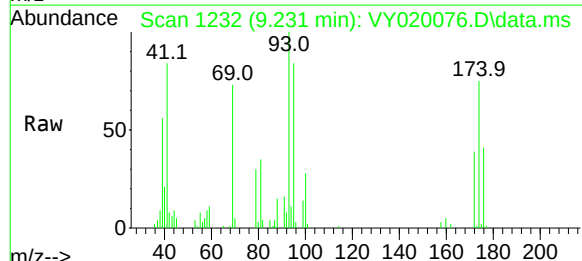
88 100

43 39.7 0.0 0.0

58 71.6 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#50

Toluene-d8

Concen: 10.264 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020076.D

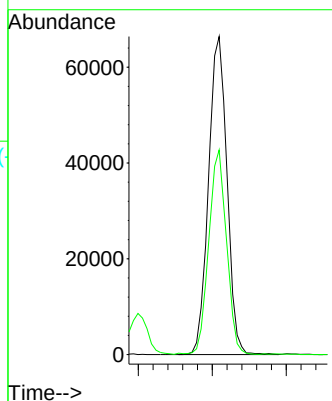
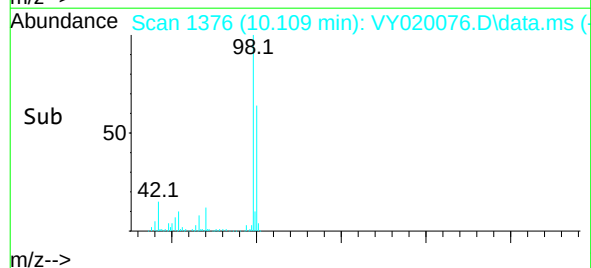
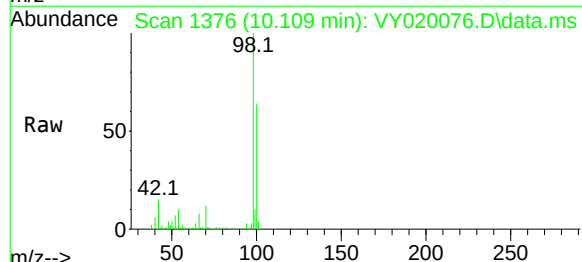
Acq: 30 Oct 2024 13:02

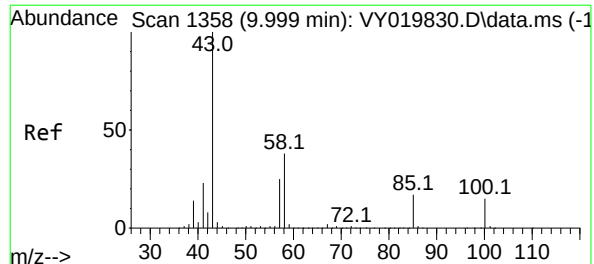
Tgt Ion: 98 Resp: 114968

Ion Ratio Lower Upper

98 100

100 61.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 43.307 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion: 43 Resp: 102653

Ion Ratio Lower Upper

43 100

58 37.0 35.7 53.5

Instrument :

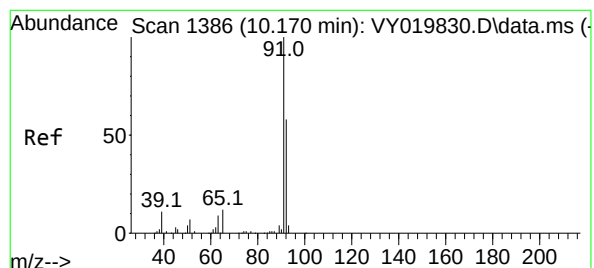
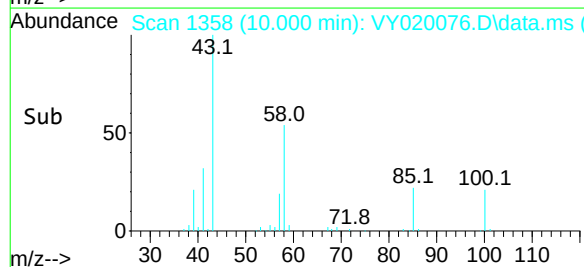
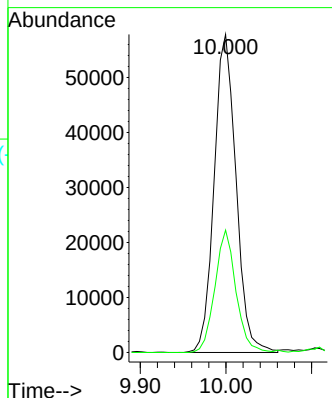
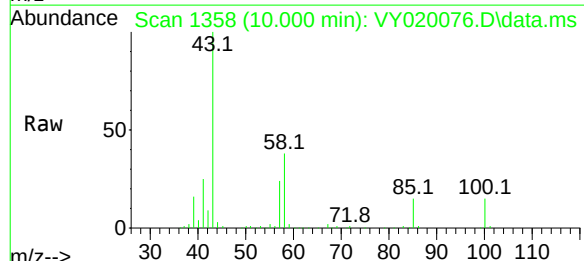
MSVOA_Y

ClientSampleId :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#52

Toluene

Concen: 9.564 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020076.D

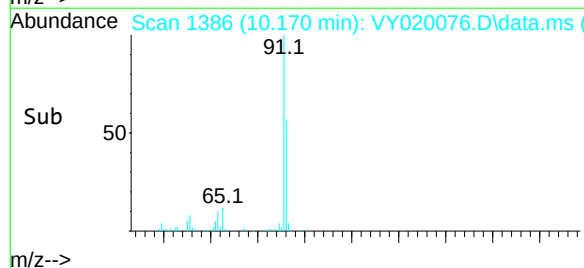
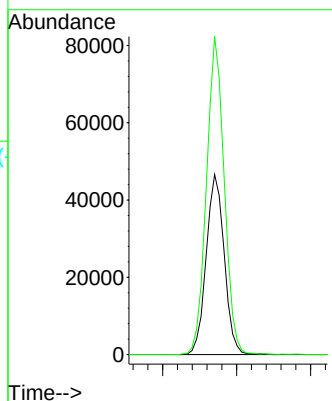
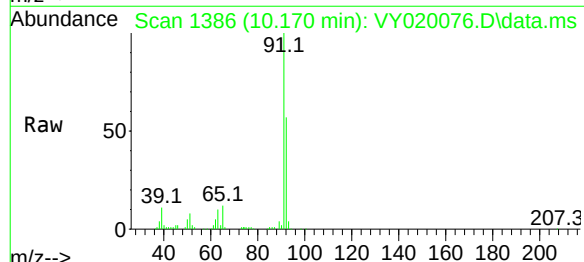
Acq: 30 Oct 2024 13:02

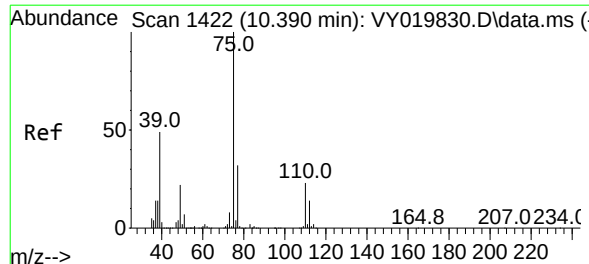
Tgt Ion: 92 Resp: 78956

Ion Ratio Lower Upper

92 100

91 174.2 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 8.508 ug/l

RT: 10.396 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 75 Resp: 36749

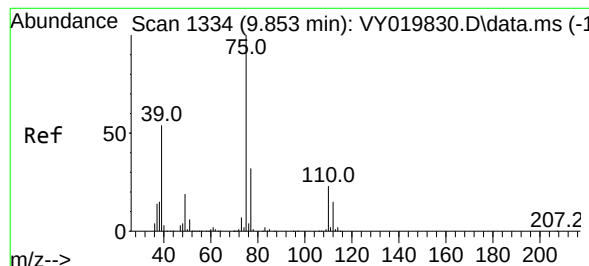
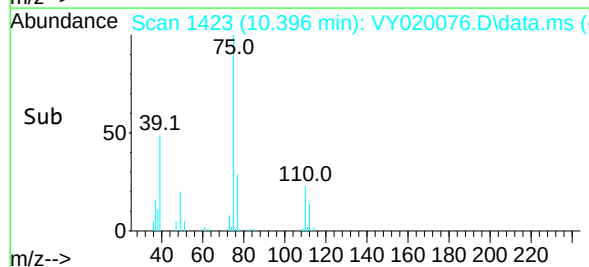
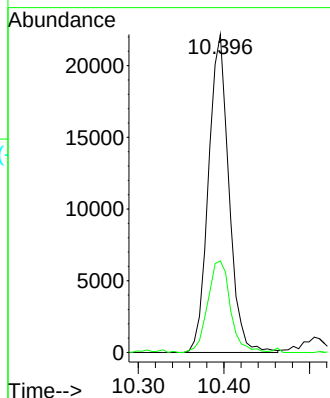
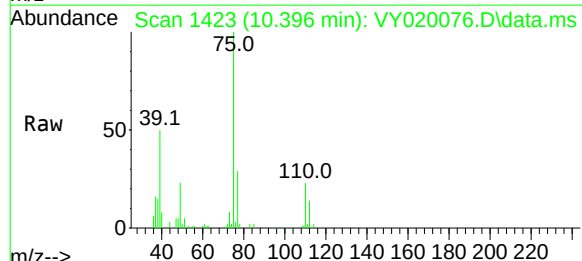
Ion Ratio Lower Upper

75 100

77 28.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#54

cis-1,3-Dichloropropene

Concen: 8.750 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

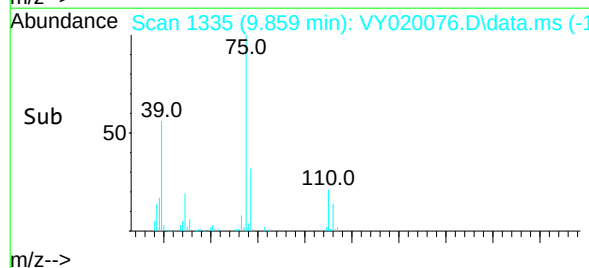
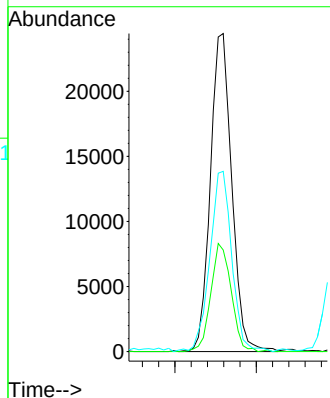
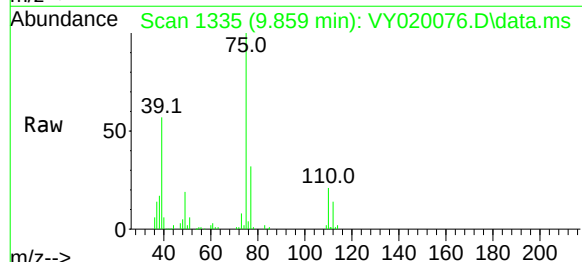
Tgt Ion: 75 Resp: 44596

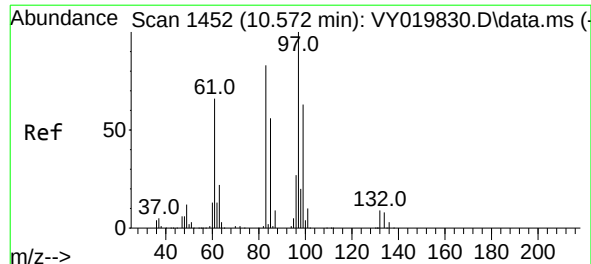
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 56.2 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 8.686 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

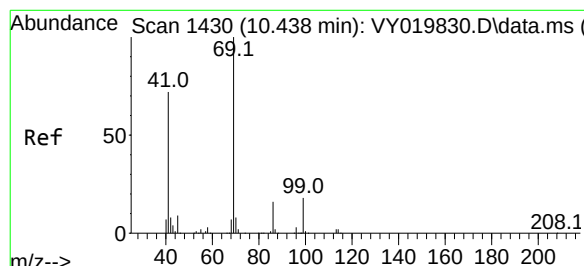
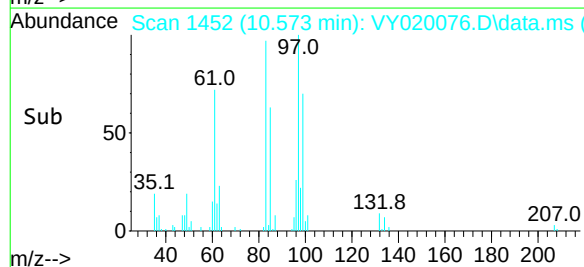
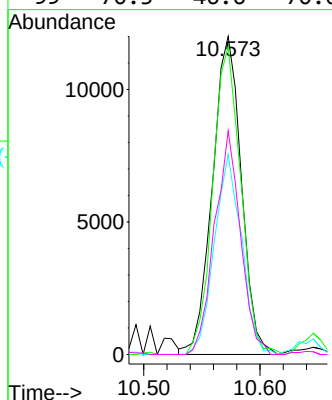
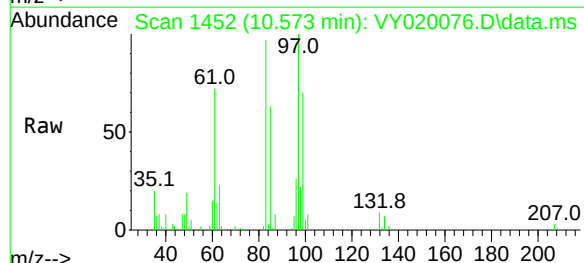
Tgt Ion:	97	Resp:	20698
Ion	Ratio	Lower	Upper
97	100		
83	96.8	67.5	101.3
85	62.9	42.9	64.3
99	70.3	46.6	70.0#

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

**Manual Integrations
APPROVED**Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#56

Ethyl methacrylate

Concen: 8.124 ug/l

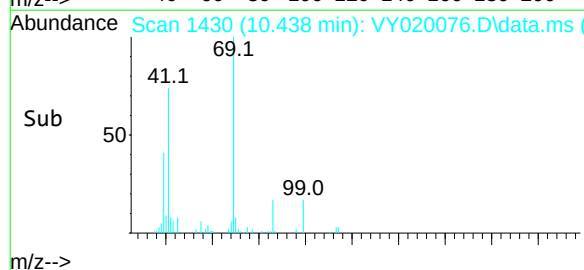
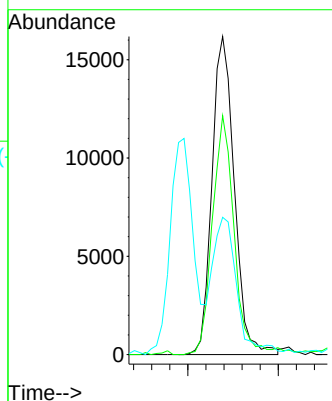
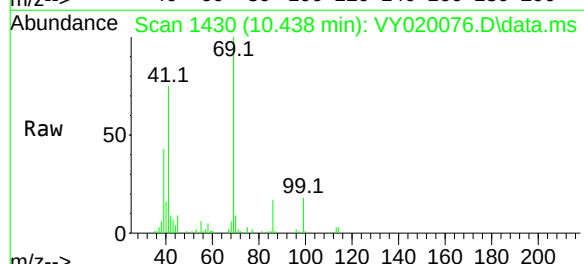
RT: 10.438 min Scan# 1430

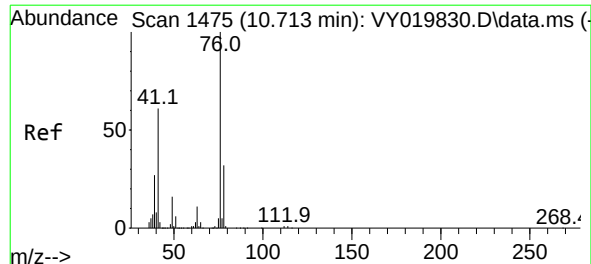
Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	69	Resp:	27776
Ion	Ratio	Lower	Upper
69	100		
41	72.5	42.3	63.5#
39	44.1	22.9	34.3#





#57

1,3-Dichloropropane

Concen: 9.035 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 37808

Ion Ratio Lower Upper

76 100

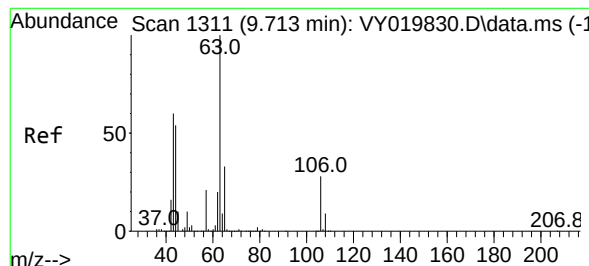
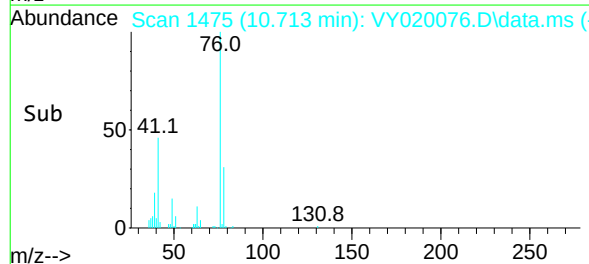
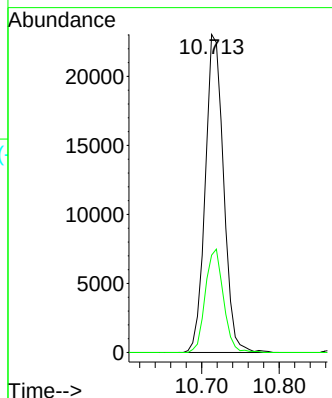
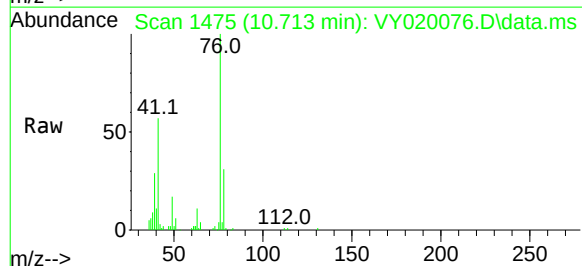
78 32.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#58

2-Chloroethyl Vinyl ether

Concen: 44.897 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY020076.D

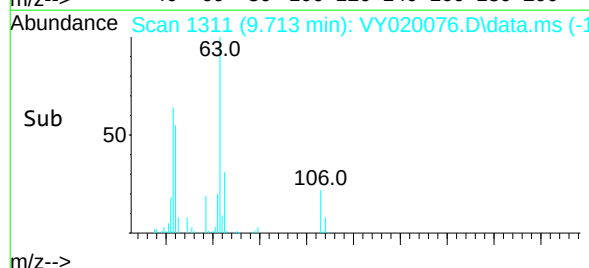
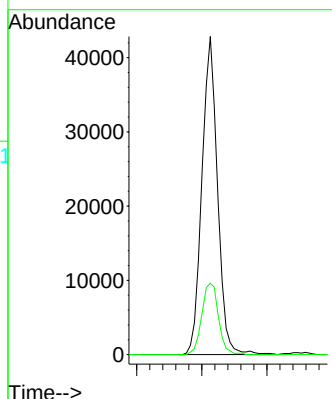
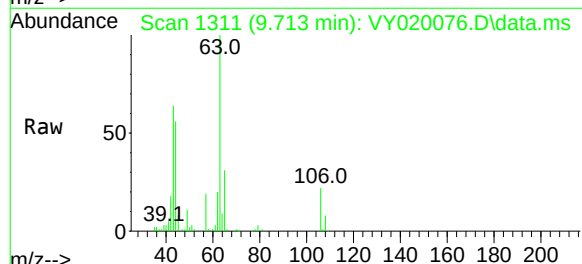
Acq: 30 Oct 2024 13:02

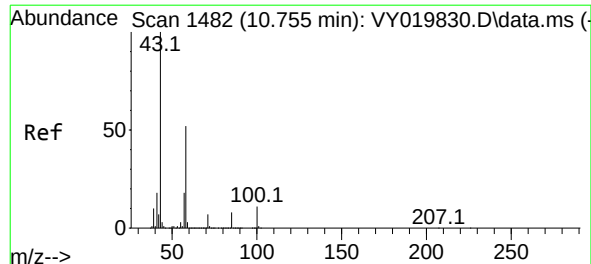
Tgt Ion: 63 Resp: 71463

Ion Ratio Lower Upper

63 100

106 23.9 23.7 35.5





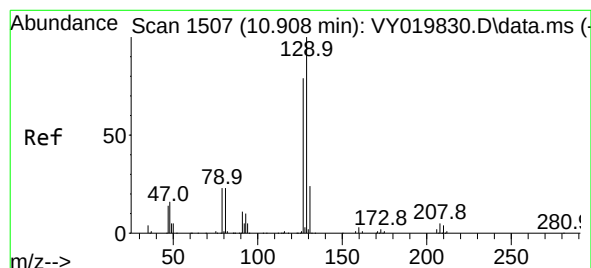
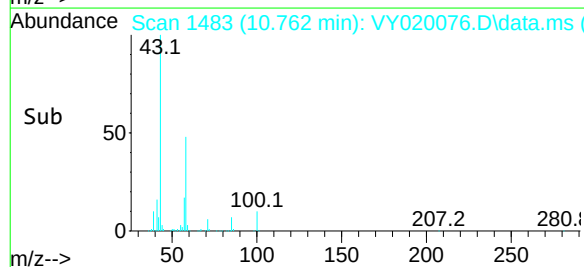
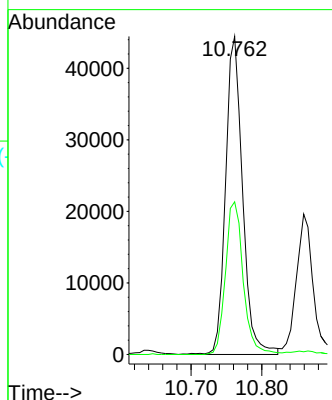
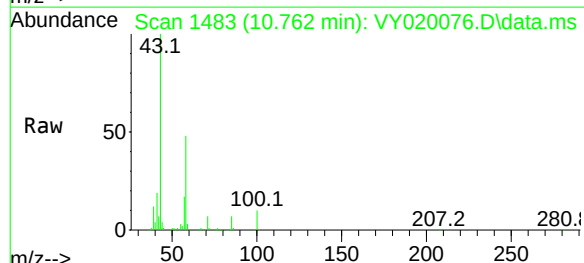
#59
2-Hexanone
Concen: 43.792 ug/l
RT: 10.762 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 74139
Ion Ratio Lower Upper
43 100
58 50.1 31.4 94.0

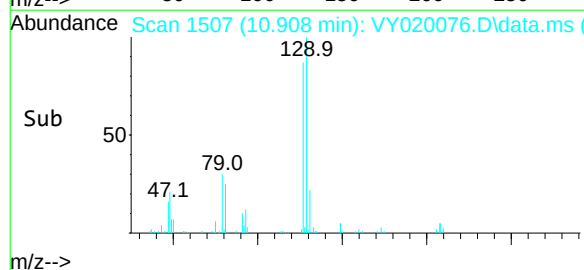
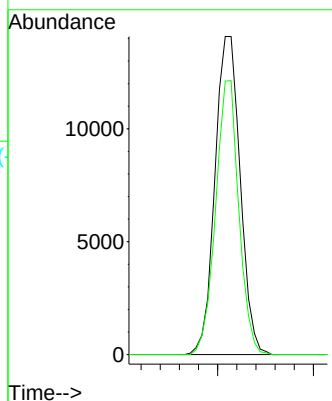
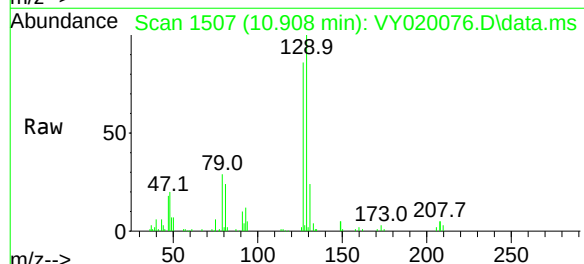
Manual Integrations
APPROVED

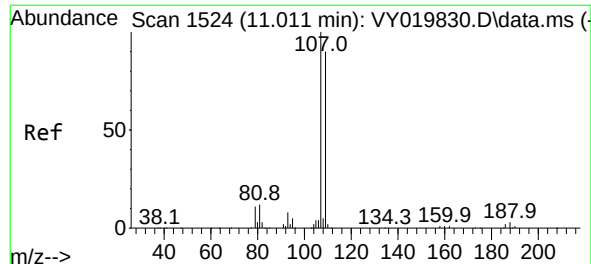
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#60
Dibromochloromethane
Concen: 8.447 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY020076.D
Acq: 30 Oct 2024 13:02

Tgt Ion:129 Resp: 25833
Ion Ratio Lower Upper
129 100
127 79.1 39.0 117.0





#61

1,2-Dibromoethane

Concen: 9.131 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:107 Resp: 19661

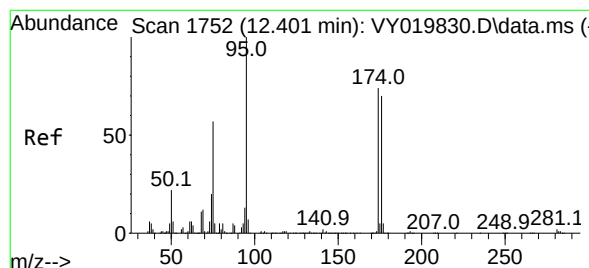
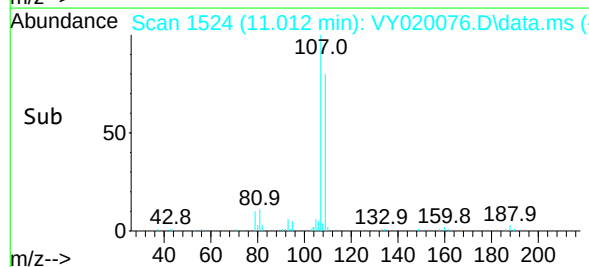
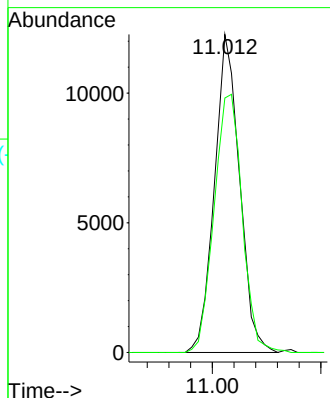
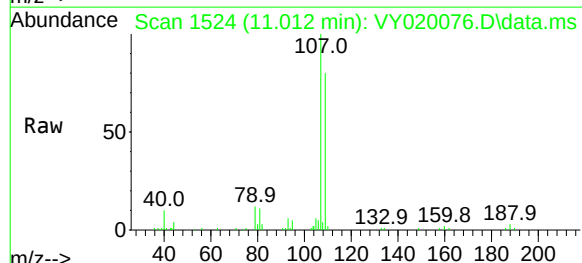
Ion Ratio Lower Upper

107 100

109 91.0 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#62

4-Bromofluorobenzene

Concen: 9.141 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

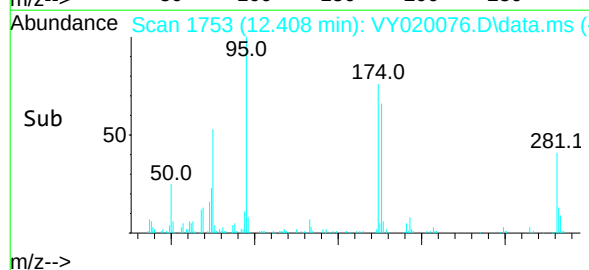
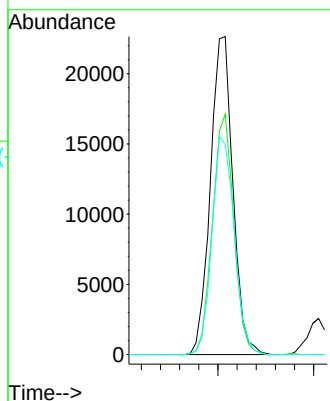
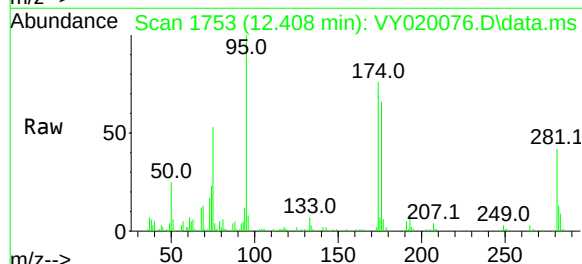
Tgt Ion: 95 Resp: 36997

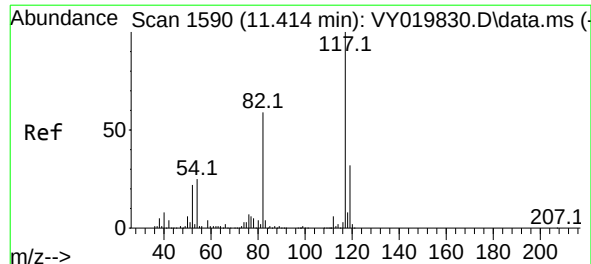
Ion Ratio Lower Upper

95 100

174 71.4 0.0 175.6

176 68.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:117 Resp: 392589

Ion Ratio Lower Upper

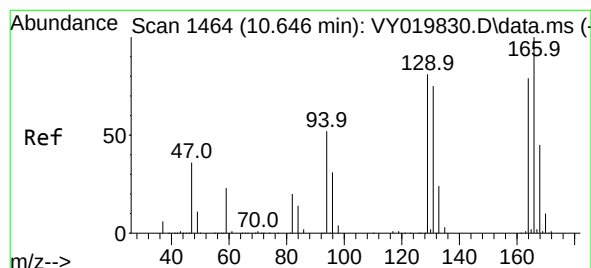
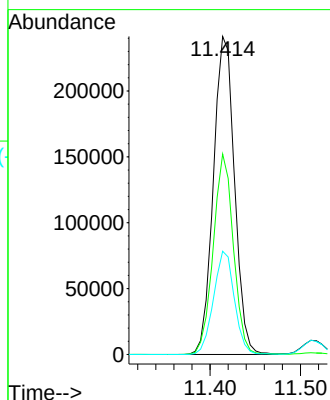
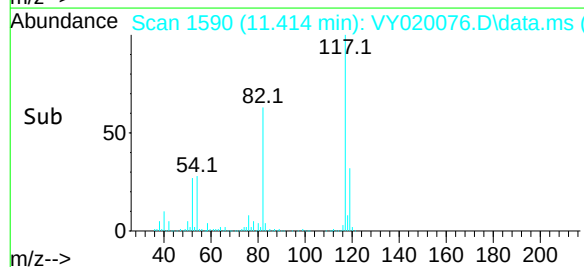
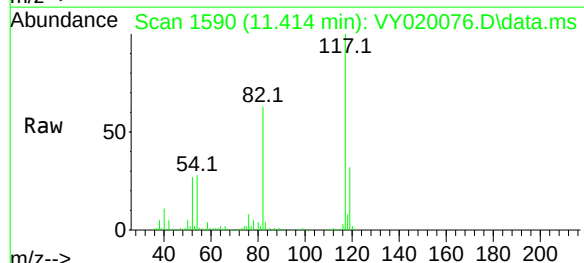
117 100

82 63.0 42.4 63.6

119 32.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#64

Tetrachloroethene

Concen: 8.892 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:164 Resp: 24830

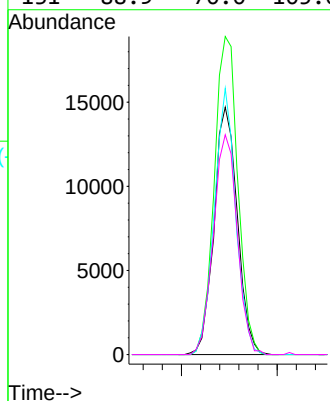
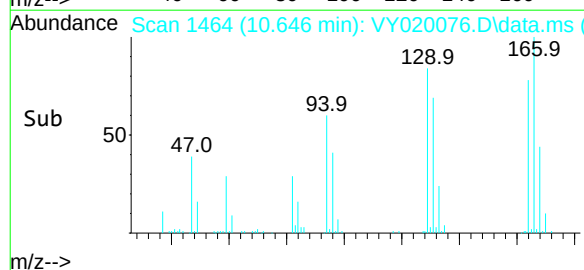
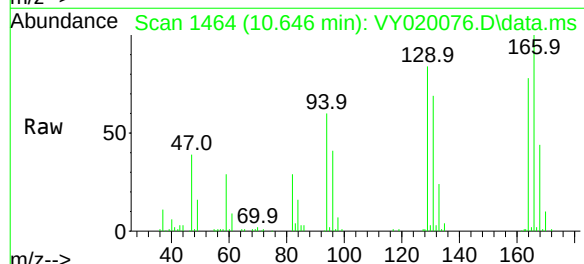
Ion Ratio Lower Upper

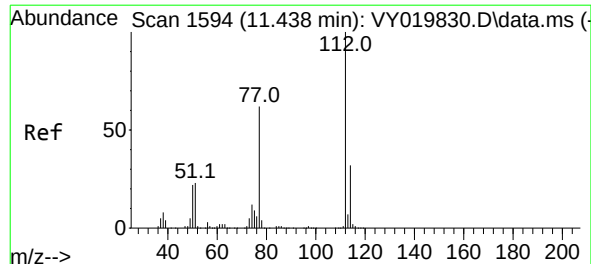
164 100

166 128.6 102.6 154.0

129 107.6 72.0 108.0

131 88.9 70.0 105.0





#65

Chlorobenzene

Concen: 9.128 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:112 Resp: 81961

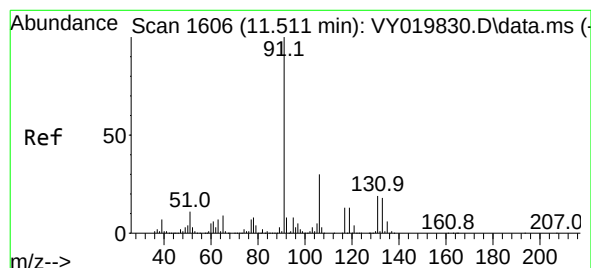
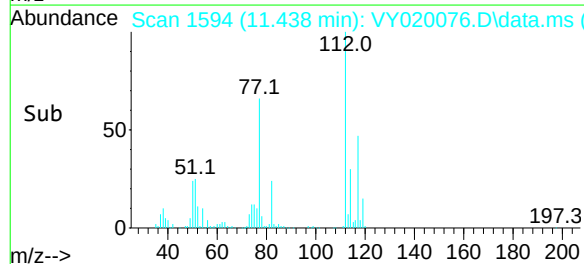
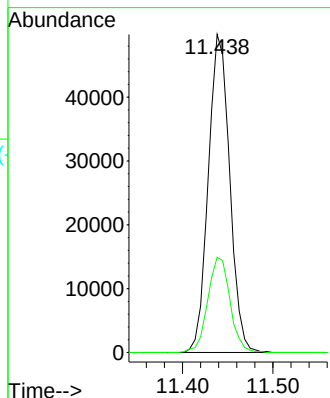
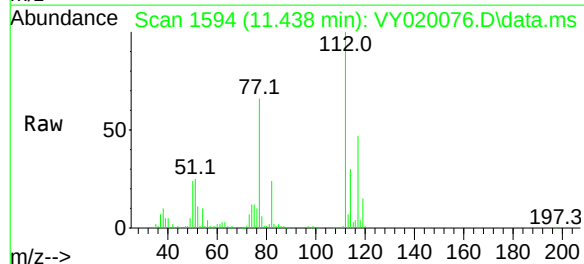
Ion Ratio Lower Upper

112 100

114 30.0 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#66

1,1,1,2-Tetrachloroethane

Concen: 8.585 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

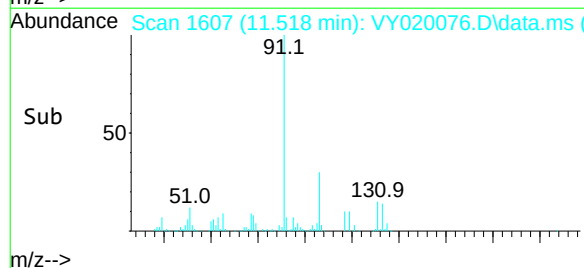
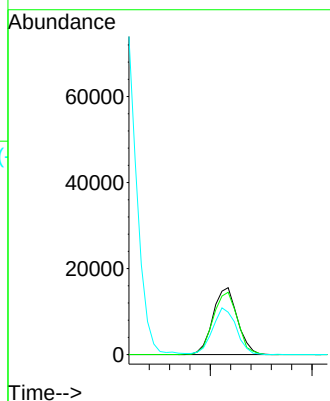
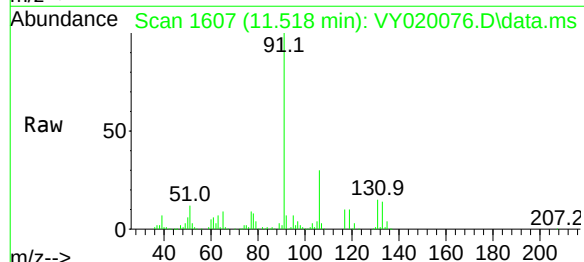
Tgt Ion:131 Resp: 26081

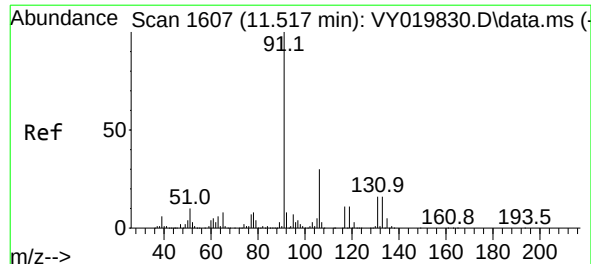
Ion Ratio Lower Upper

131 100

133 92.7 47.8 143.3

119 67.6 34.1 102.2





#67

Ethyl Benzene

Concen: 9.310 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 151863

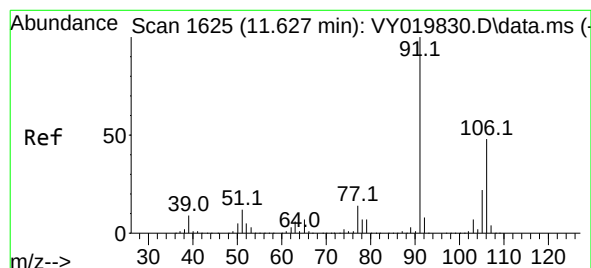
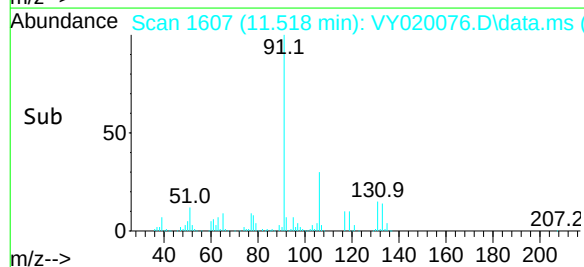
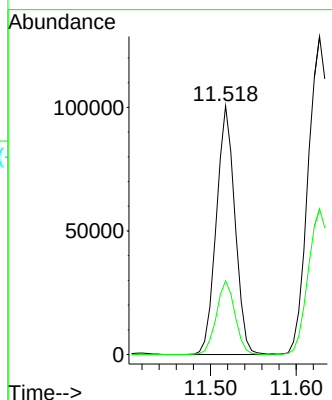
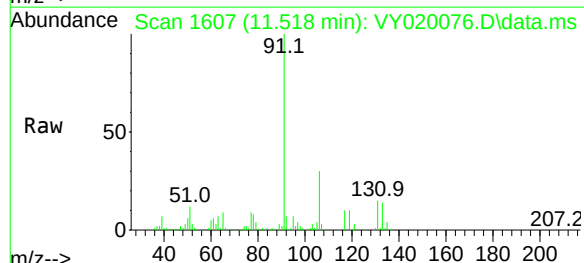
Ion Ratio Lower Upper

91 100

106 29.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#68

m/p-Xylenes

Concen: 18.053 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020076.D

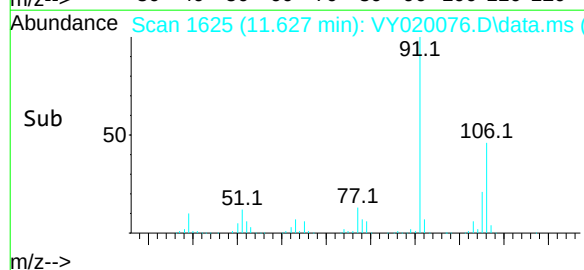
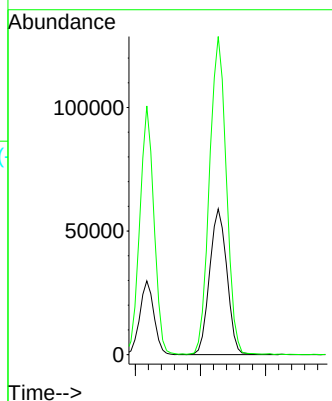
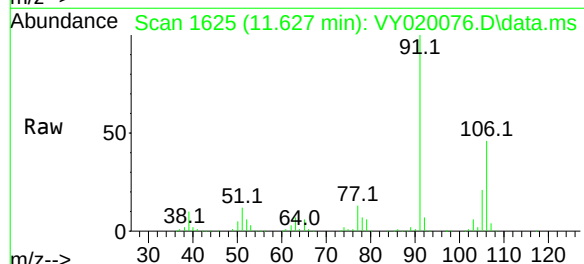
Acq: 30 Oct 2024 13:02

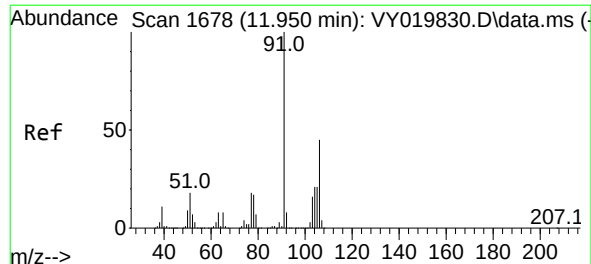
Tgt Ion:106 Resp: 108757

Ion Ratio Lower Upper

106 100

91 212.4 156.0 234.0





#69

o-Xylene

Concen: 8.975 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:106 Resp: 51950

Ion Ratio Lower Upper

106 100

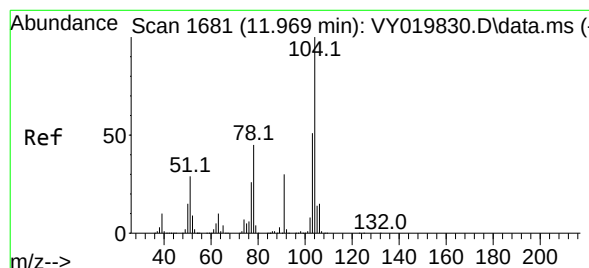
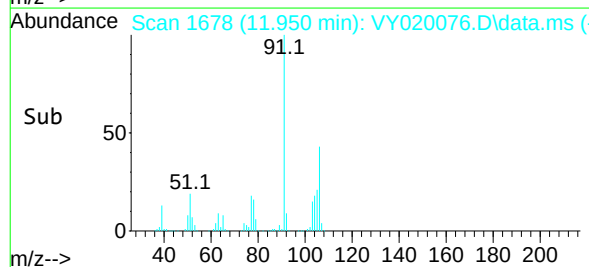
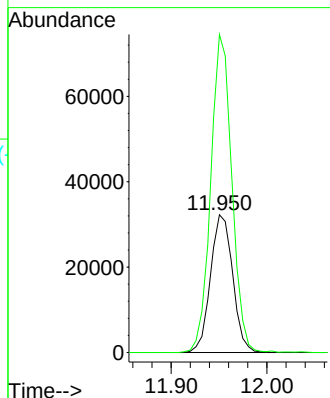
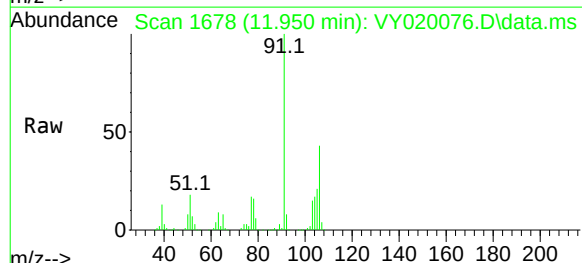
91 220.0 103.6 310.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#70

Styrene

Concen: 8.682 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

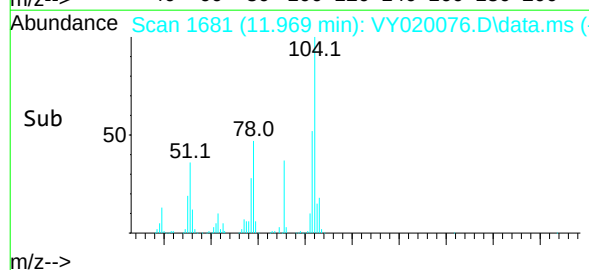
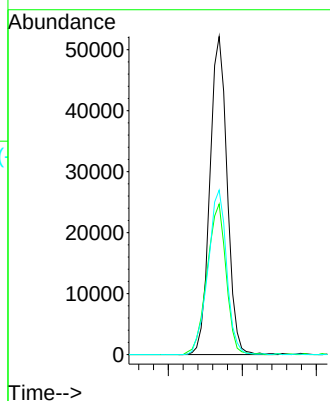
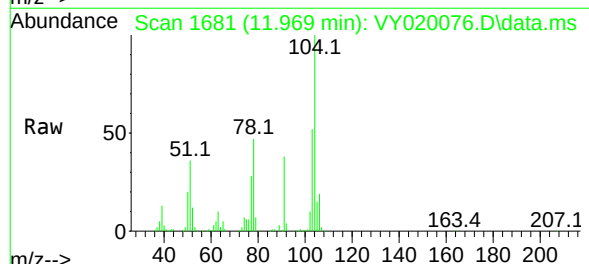
Tgt Ion:104 Resp: 84784

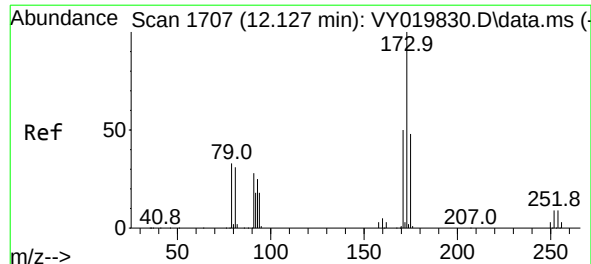
Ion Ratio Lower Upper

104 100

78 52.1 37.0 55.4

103 55.9 44.2 66.2





#71

Bromoform

Concen: 7.820 ug/l

RT: 12.133 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

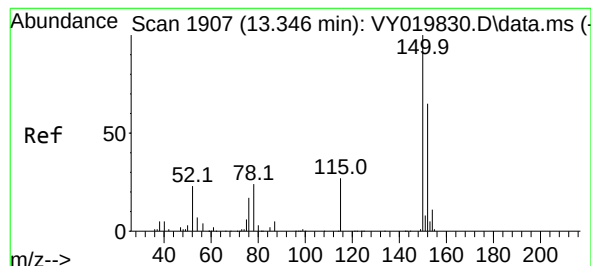
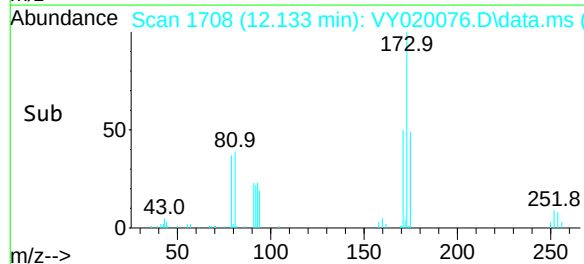
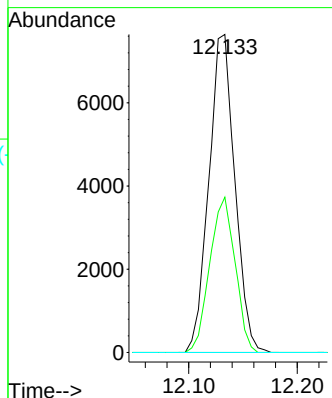
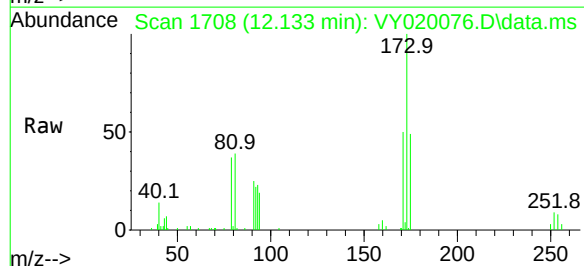
ClientSampleId :

VSTDICC010

Tgt	Ion:173	Resp:	12719
Ion	Ratio	Lower	Upper
173	100		
175	47.7	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

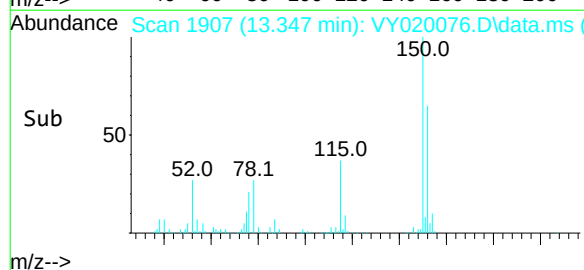
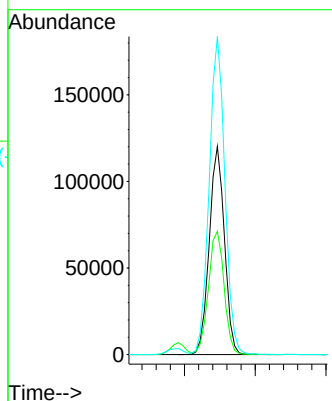
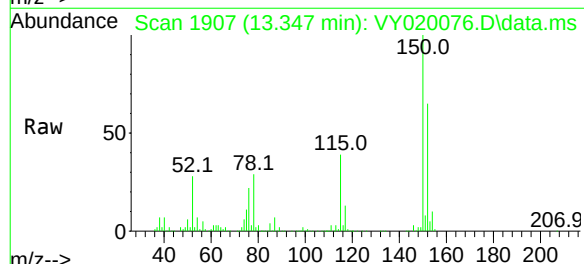
RT: 13.347 min Scan# 1907

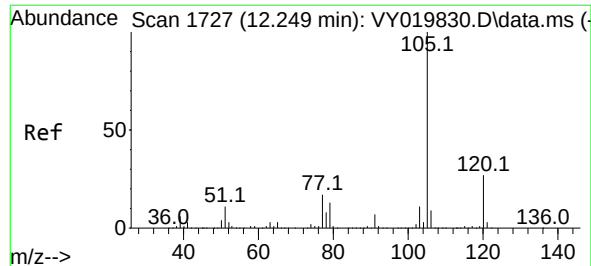
Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt	Ion:152	Resp:	179302
Ion	Ratio	Lower	Upper
152	100		
115	61.2	28.2	84.7
150	157.0	0.0	345.6





#73

Isopropylbenzene

Concen: 9.105 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 105 Resp: 137315

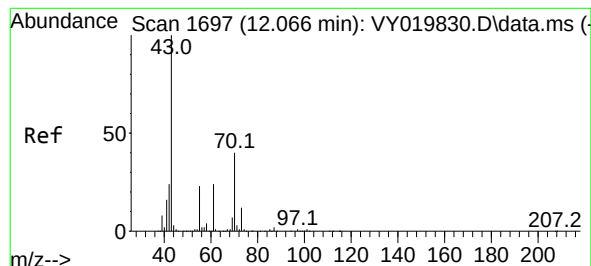
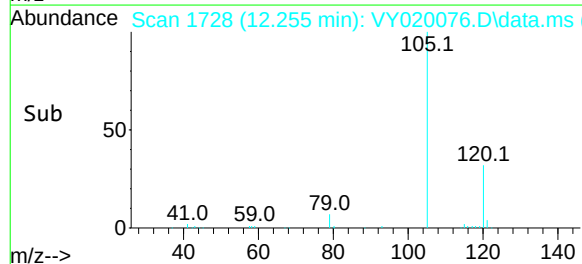
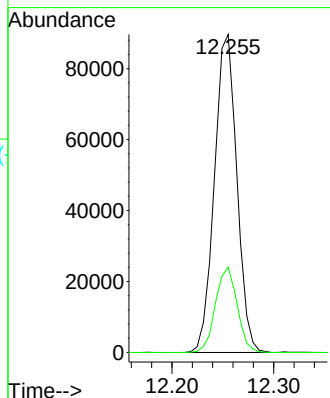
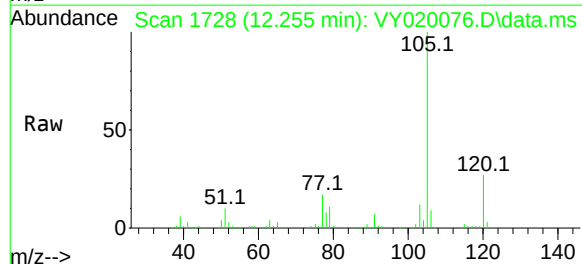
Ion Ratio Lower Upper

105 100

120 25.9 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#74

N-ethyl acetate

Concen: 8.142 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion: 43 Resp: 32525

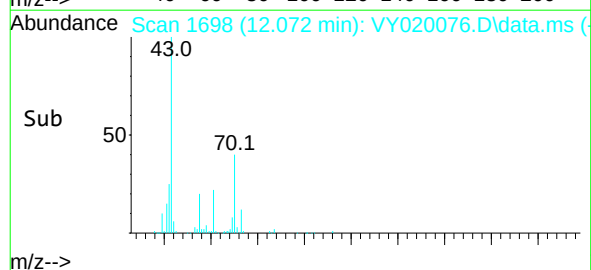
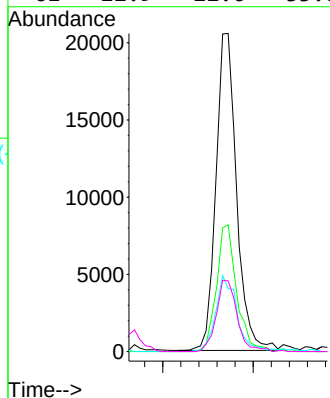
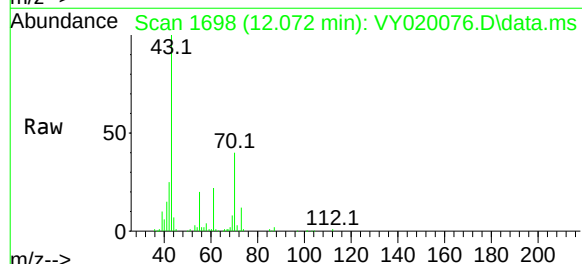
Ion Ratio Lower Upper

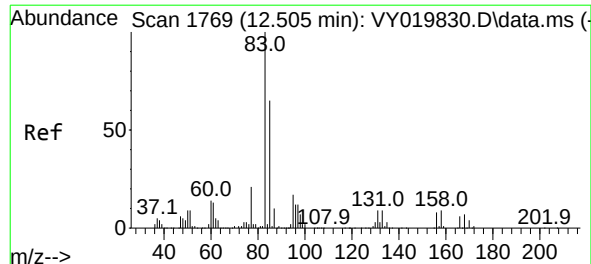
43 100

70 39.2 41.4 62.2#

55 24.8 23.3 34.9

61 22.9 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 9.454 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

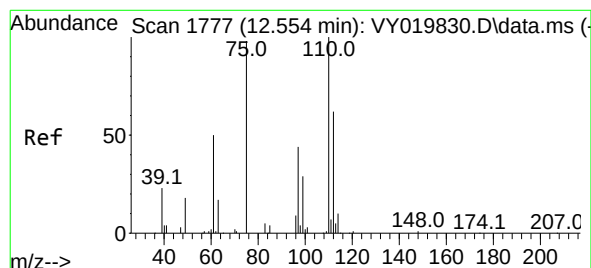
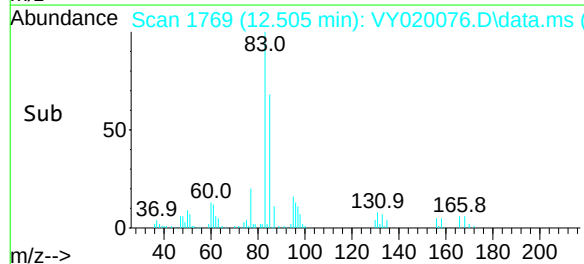
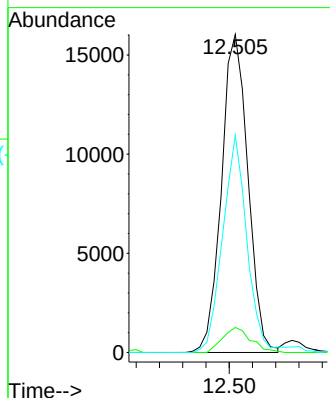
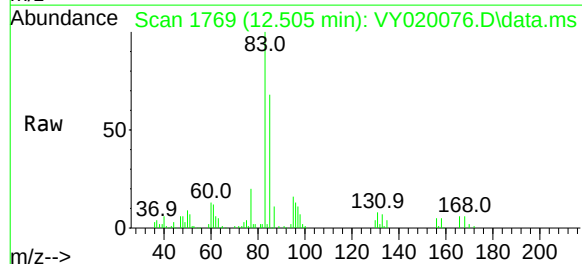
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	25336
Ion	Ratio	Lower	Upper
83	100		
131	8.4	5.0	14.9
85	62.8	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 5.751 ug/l m

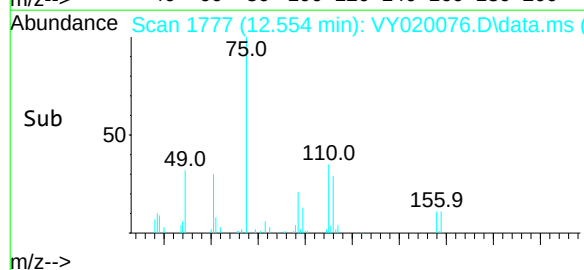
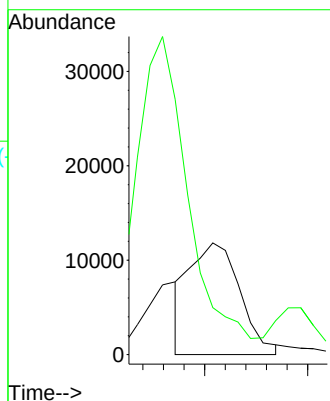
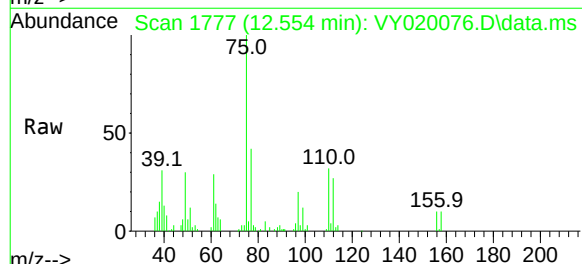
RT: 12.554 min Scan# 1777

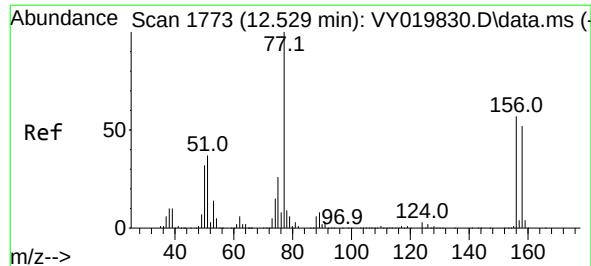
Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	75	Resp:	20202
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 8.526 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:156 Resp: 27286

Ion Ratio Lower Upper

156 100

77 221.2 87.1 261.3

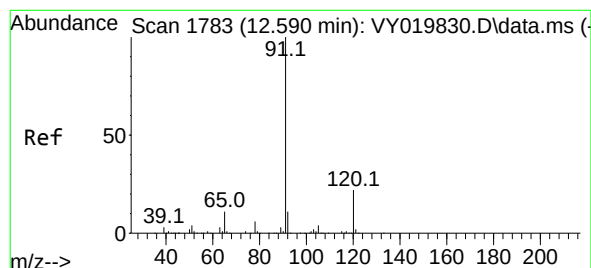
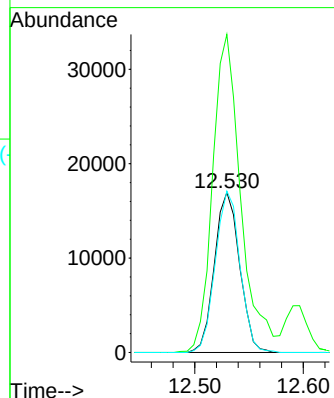
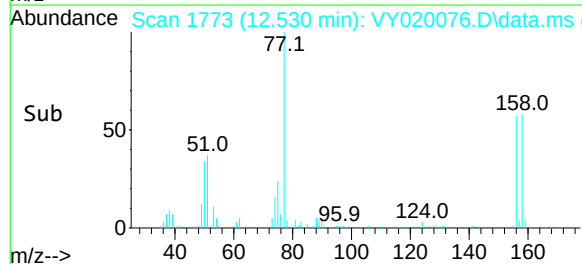
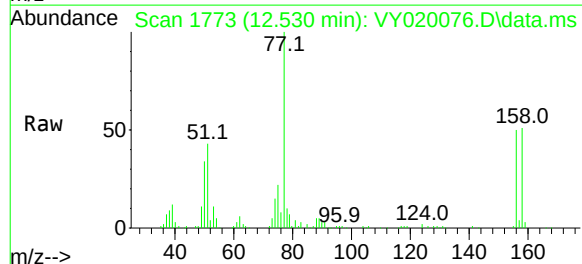
158 99.1 48.6 145.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#78

n-propylbenzene

Concen: 9.542 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY020076.D

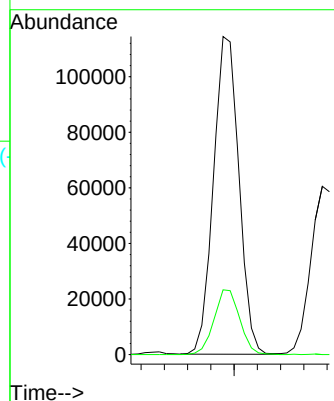
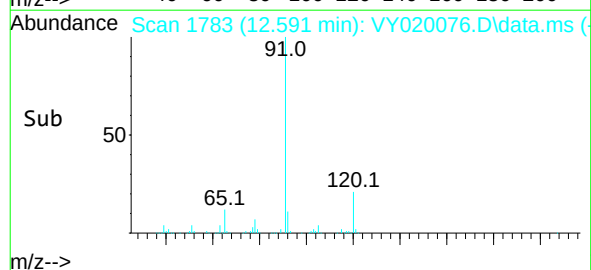
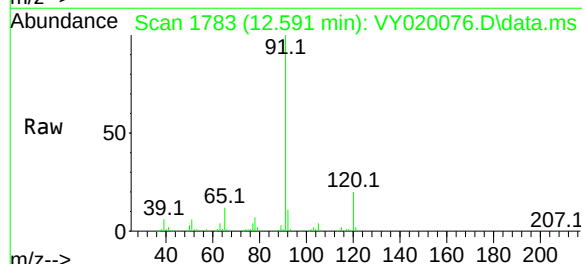
Acq: 30 Oct 2024 13:02

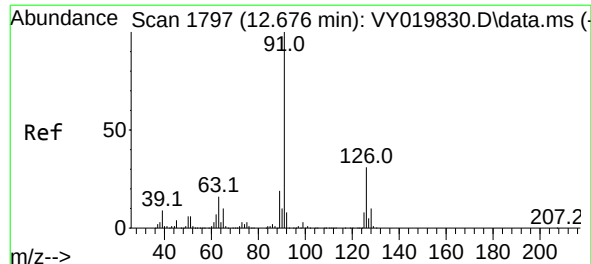
Tgt Ion: 91 Resp: 173883

Ion Ratio Lower Upper

91 100

120 20.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 9.285 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 97009

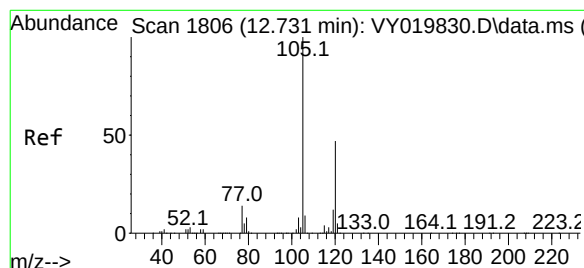
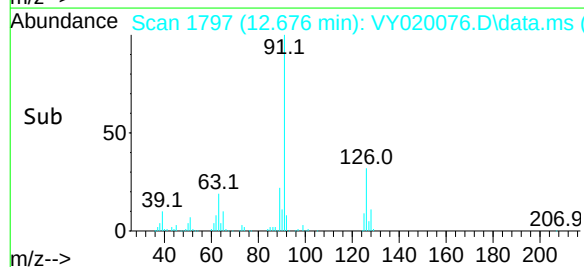
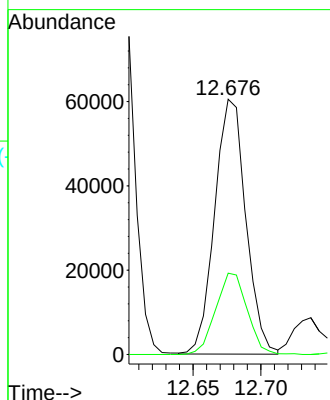
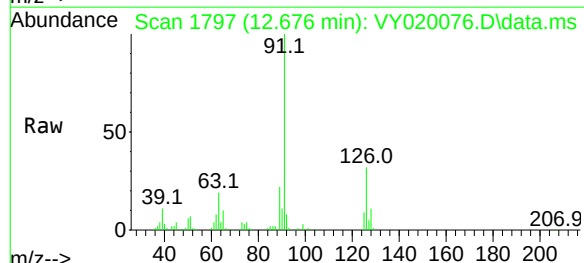
Ion Ratio Lower Upper

91 100

126 32.1 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#80

1,3,5-Trimethylbenzene

Concen: 8.906 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY020076.D

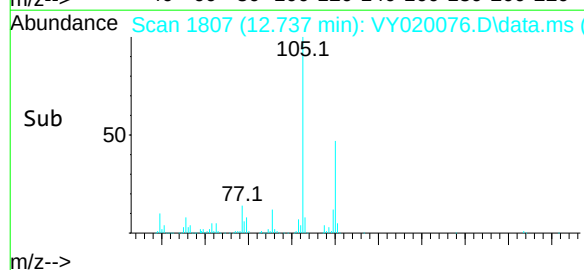
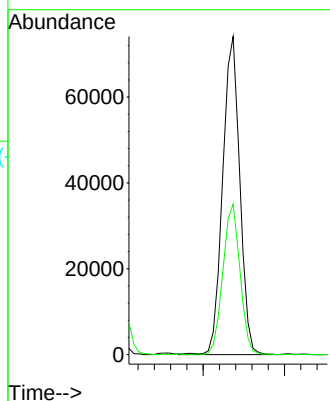
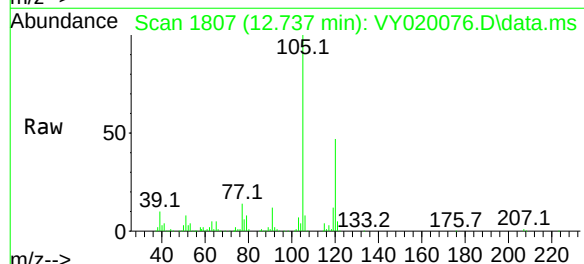
Acq: 30 Oct 2024 13:02

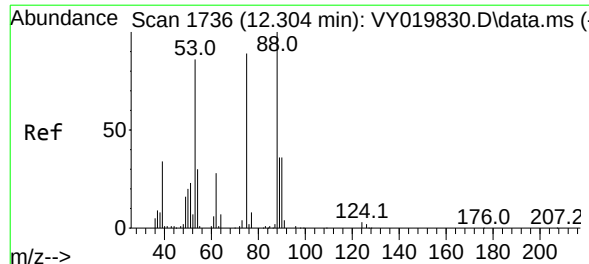
Tgt Ion:105 Resp: 108479

Ion Ratio Lower Upper

105 100

120 47.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 8.634 ug/l

RT: 12.304 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

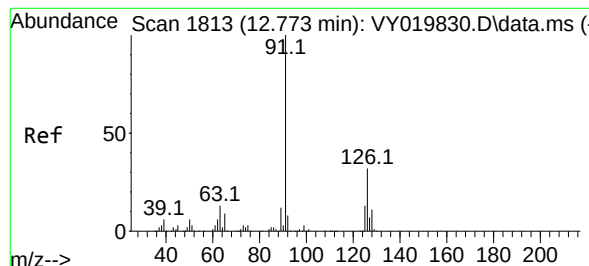
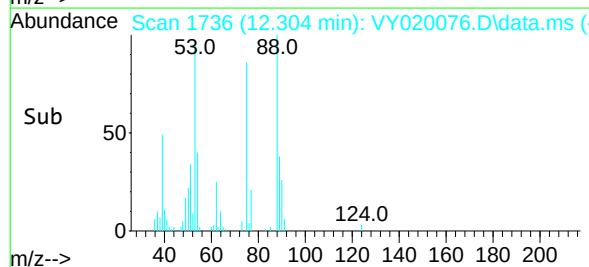
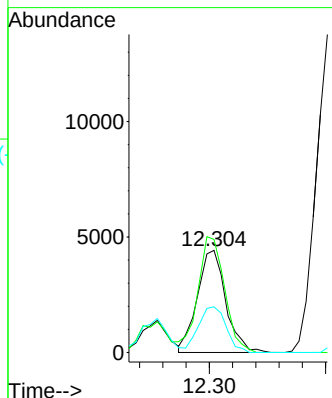
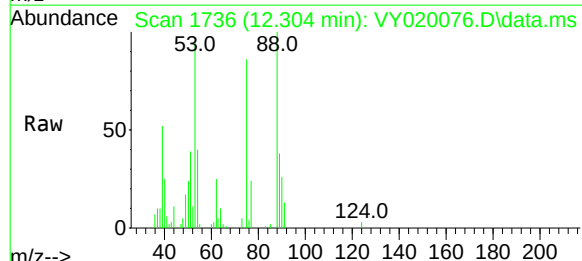
ClientSampleId :

VSTDIC010

Tgt Ion:	75	Resp:	7513
Ion	Ratio	Lower	Upper
75	100		
53	108.6	66.8	100.2
89	43.1	35.8	53.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#82

4-Chlorotoluene

Concen: 9.071 ug/l

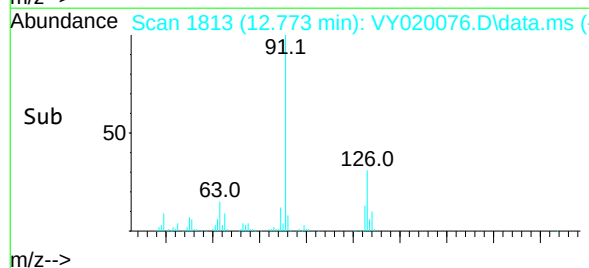
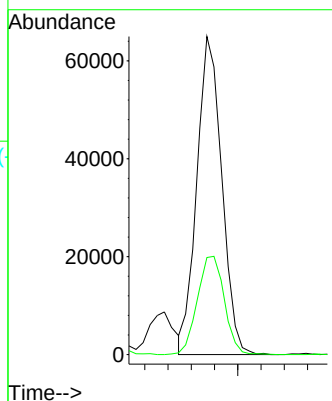
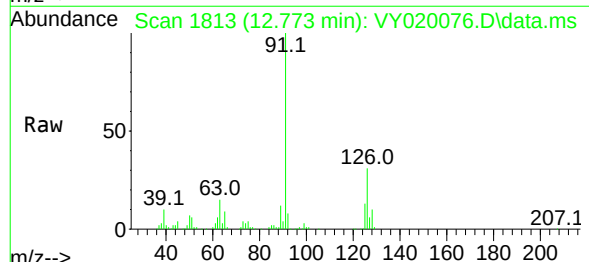
RT: 12.773 min Scan# 1813

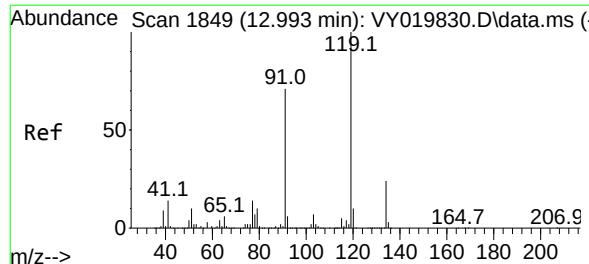
Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	91	Resp:	96899
Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.6	52.9





#83

tert-Butylbenzene

Concen: 8.622 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:119 Resp: 94080

Ion Ratio Lower Upper

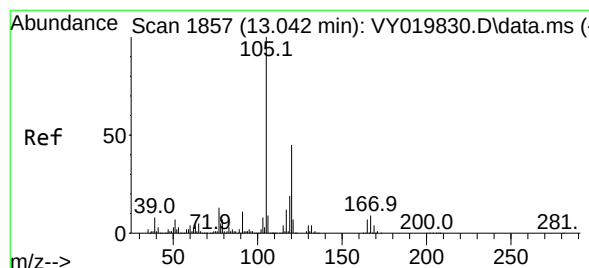
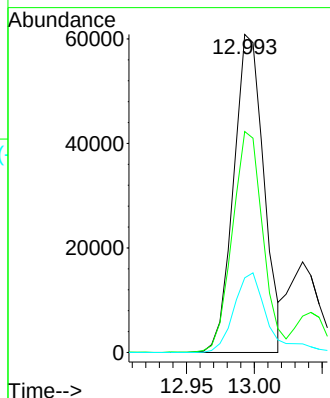
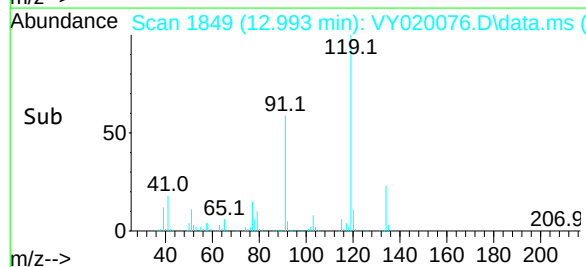
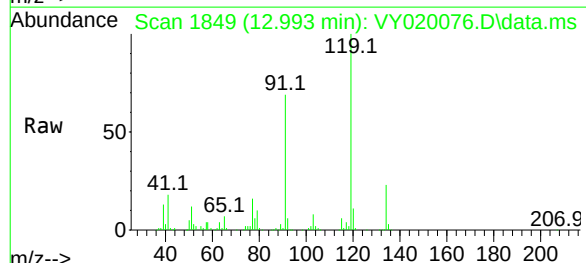
119 100

91 70.8 31.3 93.8

134 27.7 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#84

1,2,4-Trimethylbenzene

Concen: 8.983 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020076.D

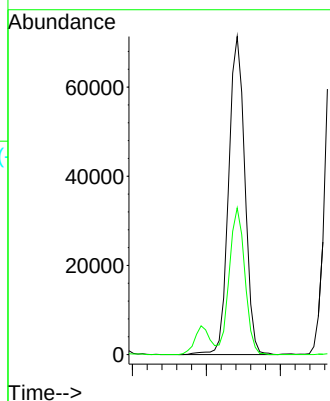
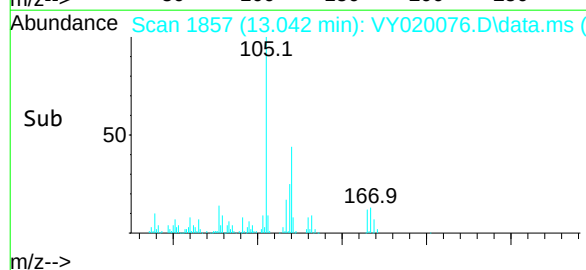
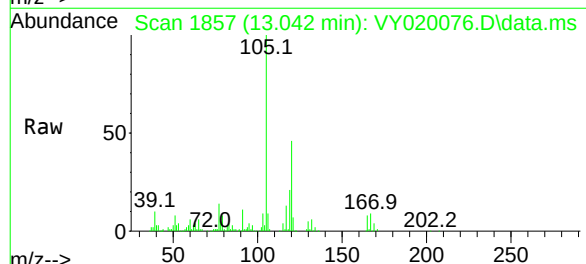
Acq: 30 Oct 2024 13:02

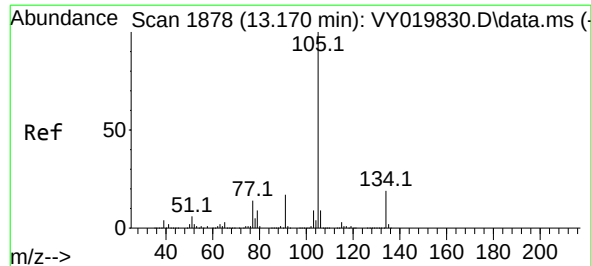
Tgt Ion:105 Resp: 108470

Ion Ratio Lower Upper

105 100

120 44.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 9.152 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 149192

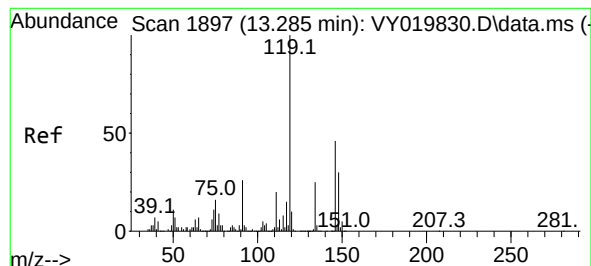
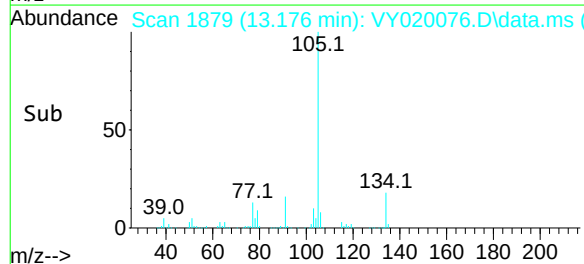
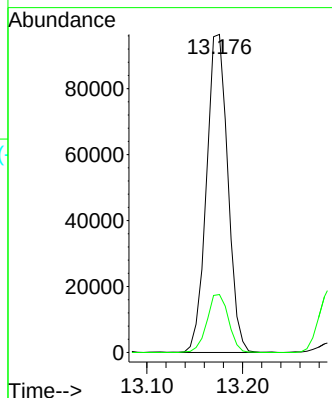
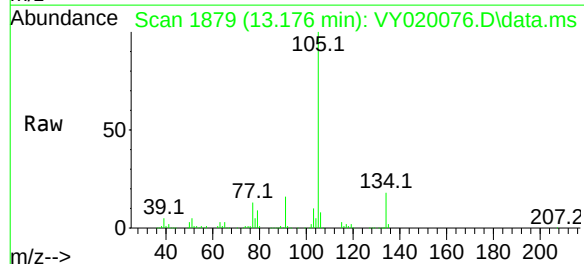
Ion Ratio Lower Upper

105 100

134 18.5 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#86

p-Isopropyltoluene

Concen: 8.815 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

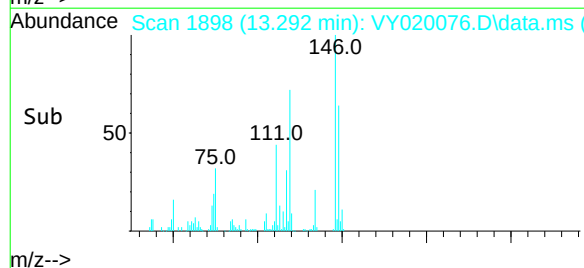
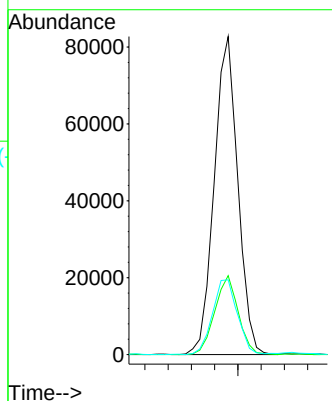
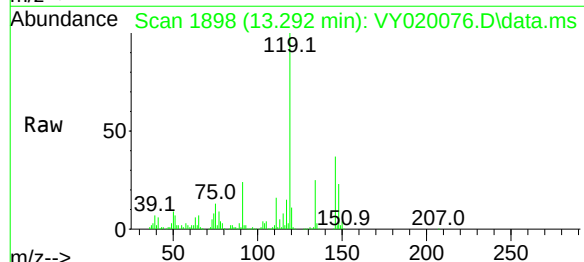
Tgt Ion:119 Resp: 116689

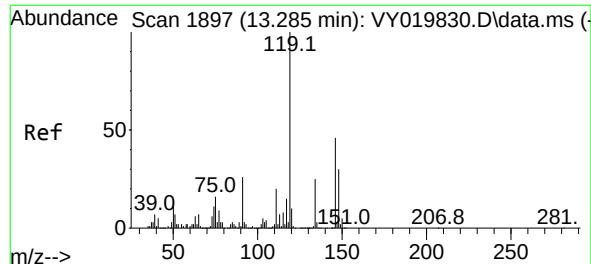
Ion Ratio Lower Upper

119 100

134 24.6 13.1 39.3

91 24.9 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 8.438 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

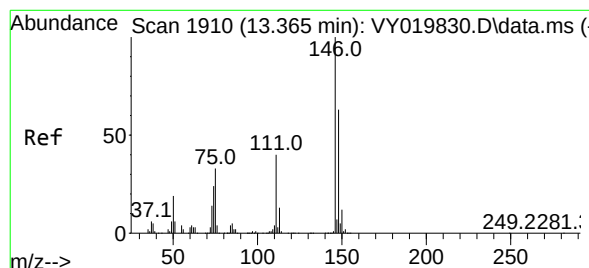
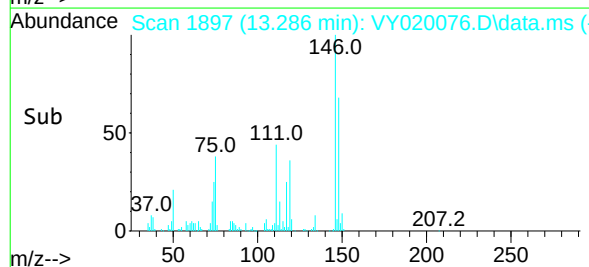
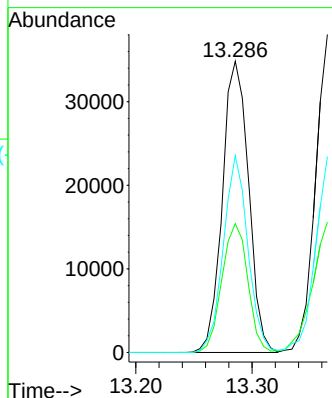
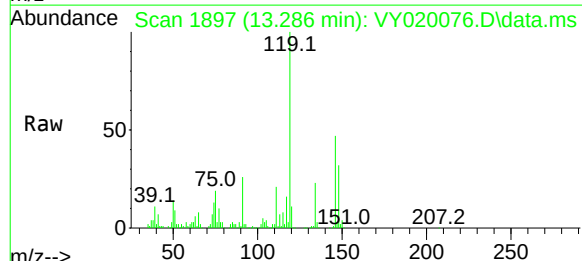
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	54535
Ion	Ratio	Lower	Upper
146	100		
111	43.7	19.0	57.0
148	63.6	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

Concen: 9.058 ug/l

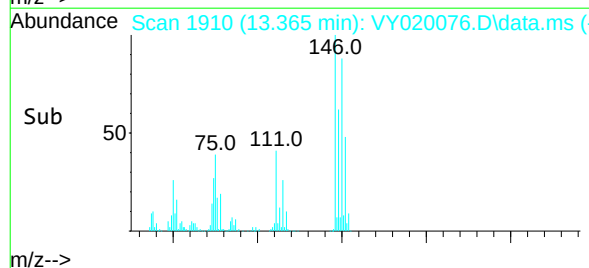
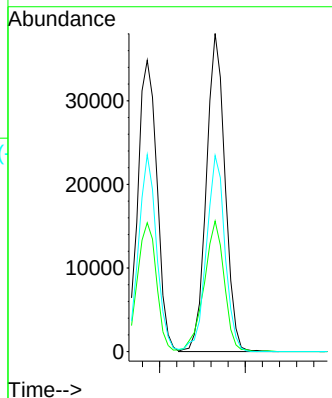
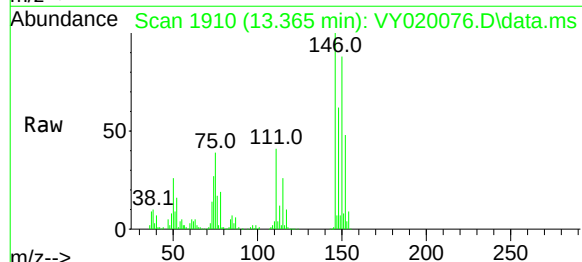
RT: 13.365 min Scan# 1910

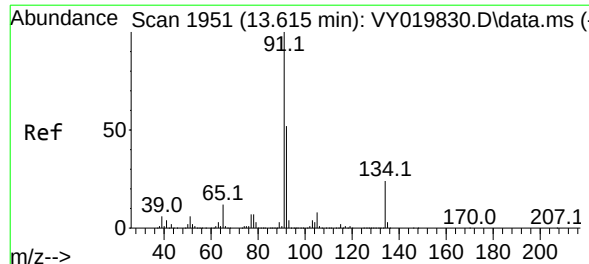
Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	146	Resp:	57513
Ion	Ratio	Lower	Upper
146	100		
111	44.4	18.4	55.4
148	61.6	32.4	97.2





#89

n-Butylbenzene

Concen: 8.920 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

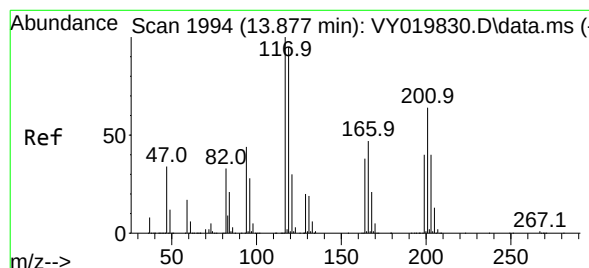
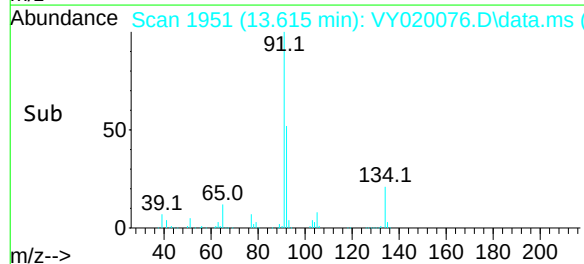
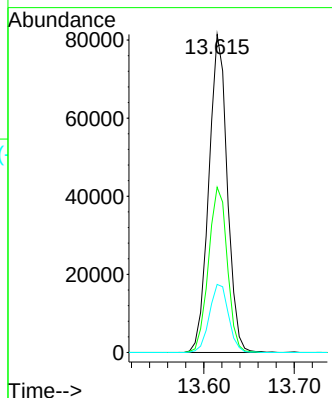
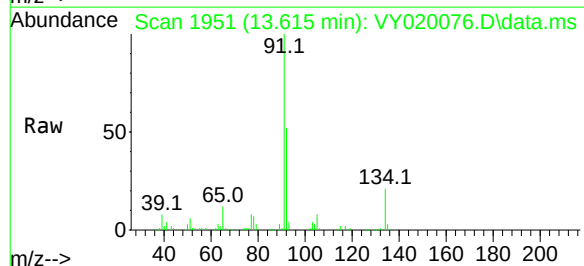
ClientSampleId :

VSTDIC010

Tgt Ion:	91	Resp:	115297
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	22.2	12.9	38.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#90

Hexachloroethane

Concen: 9.238 ug/l

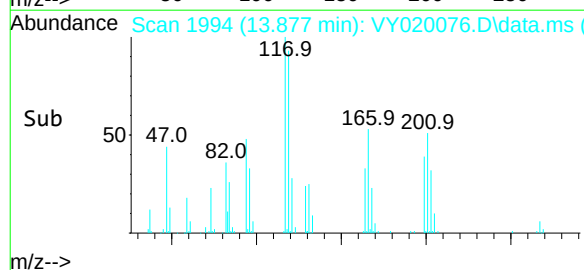
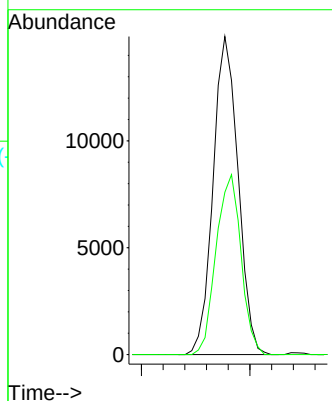
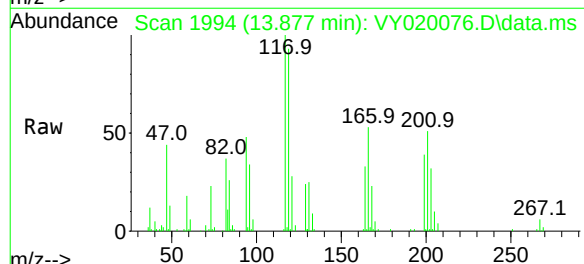
RT: 13.877 min Scan# 1994

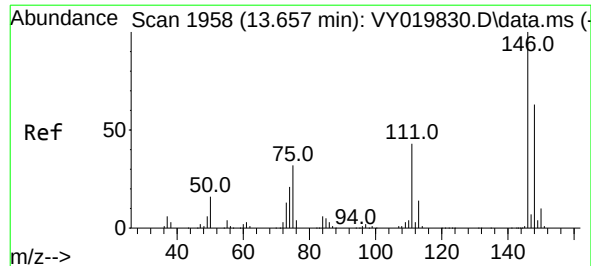
Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	117	Resp:	23812
Ion	Ratio	Lower	Upper
117	100		
201	56.3	37.4	112.2





#91

1,2-Dichlorobenzene

Concen: 8.740 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

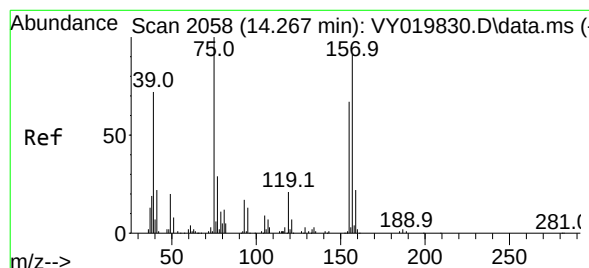
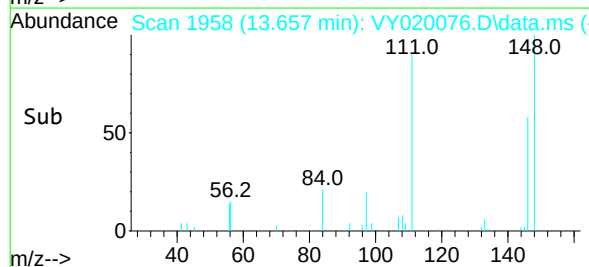
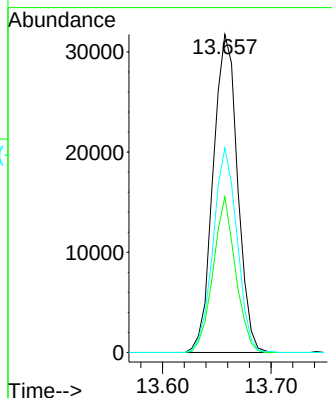
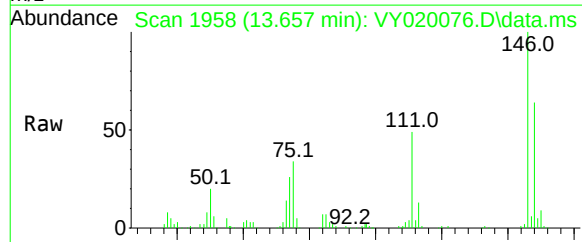
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	49631
Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.9	59.7
148	63.0	31.8	95.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.705 ug/l

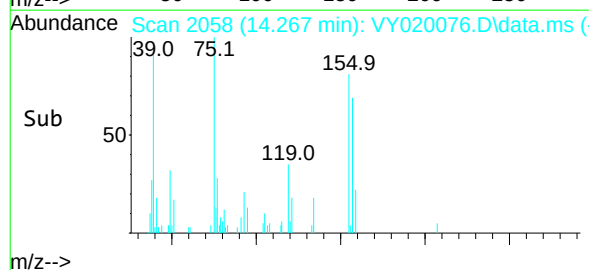
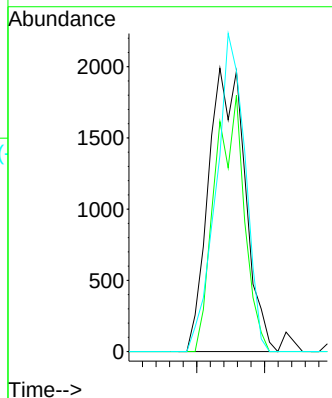
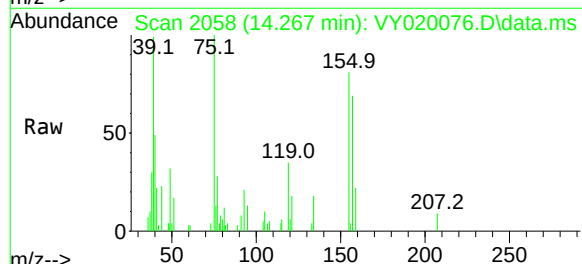
RT: 14.267 min Scan# 2058

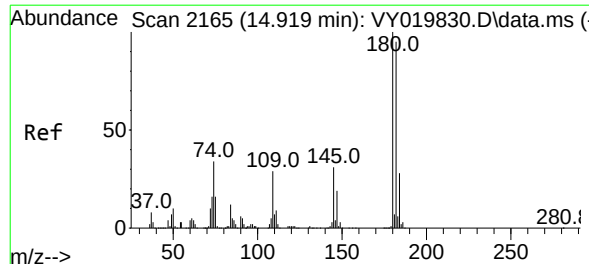
Delta R.T. -0.006 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	75	Resp:	3723
Ion	Ratio	Lower	Upper
75	100		
155	72.7	48.6	145.8
157	89.4	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 7.973 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

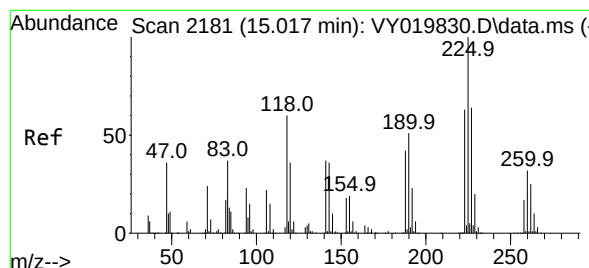
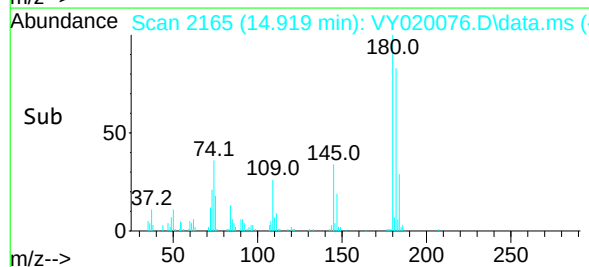
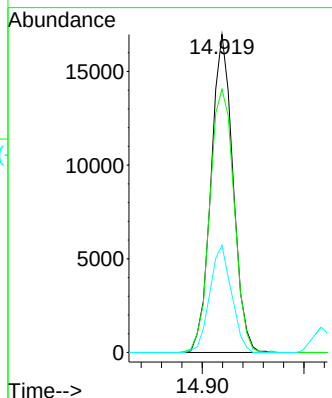
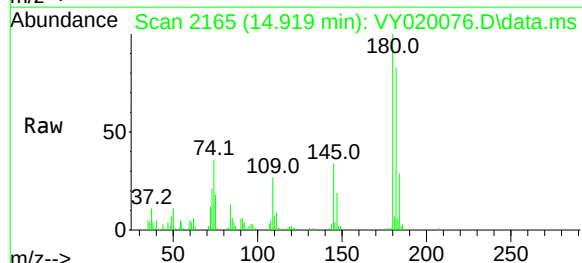
ClientSampleId :

VSTDIC010

Tgt Ion:	180	Resp:	25388
Ion Ratio	Lower	Upper	
180	100		
182	91.4	47.9	143.8
145	33.4	14.2	42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 7.883 ug/l

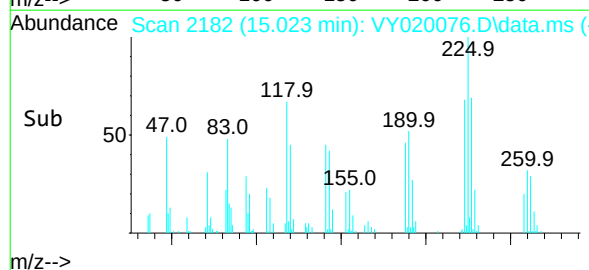
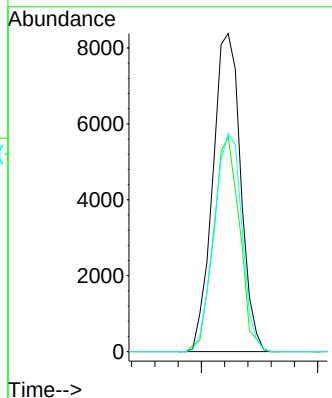
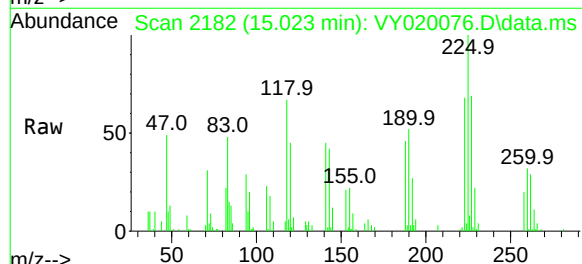
RT: 15.023 min Scan# 2182

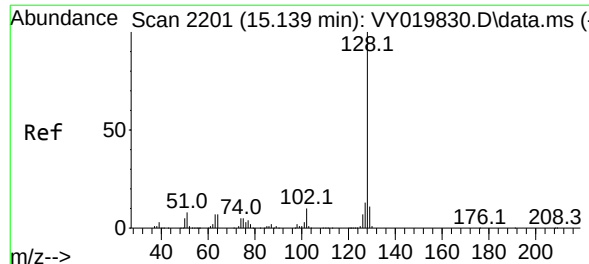
Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	225	Resp:	13955
Ion Ratio	Lower	Upper	
225	100		
223	63.0	30.4	91.2
227	68.4	31.9	95.9





#95

Naphthalene

Concen: 7.220 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Instrument :

MSVOA_Y

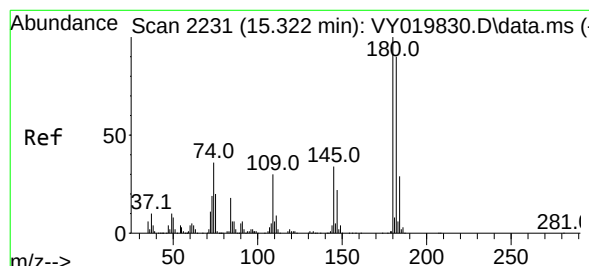
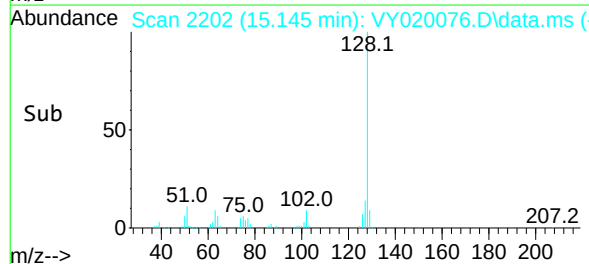
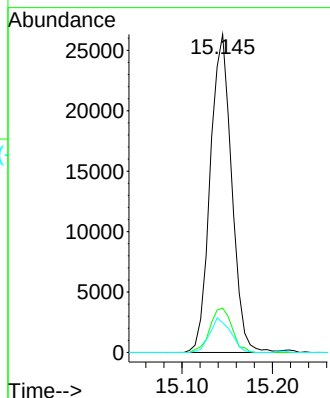
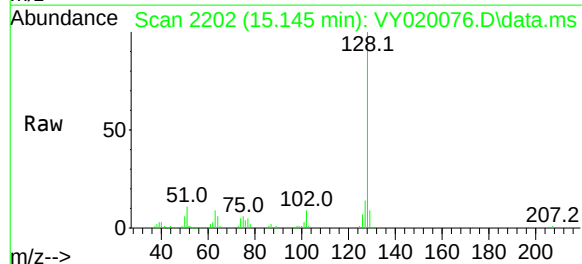
ClientSampleId :

VSTDICC010

Tgt Ion:	128	Resp:	43361
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

Concen: 8.073 ug/l

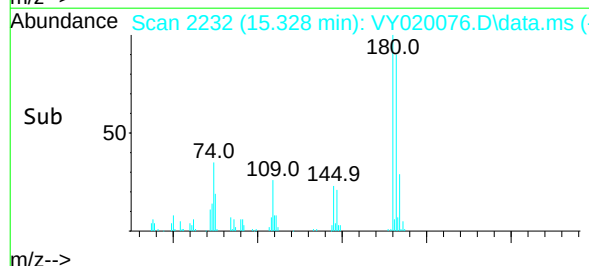
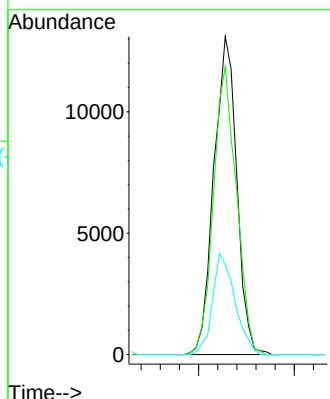
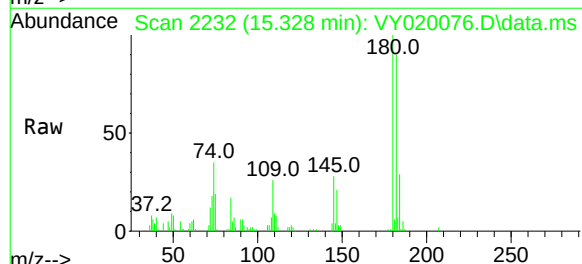
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020076.D

Acq: 30 Oct 2024 13:02

Tgt Ion:	180	Resp:	21730
Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.6	142.9
145	31.1	15.4	46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020077.D
 Acq On : 30 Oct 2024 13:24
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 30 13:55:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	255489	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	453247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	180601	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	59114	18.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.580%#
35) Dibromofluoromethane	7.634	113	54397	18.187	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	36.380%#
50) Toluene-d8	10.103	98	215268	19.490	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	38.980%#
62) 4-Bromofluorobenzene	12.402	95	68234	17.097	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	34.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	49268	20.715	ug/l	96
3) Chloromethane	2.068	50	80800	26.102	ug/l	97
4) Vinyl Chloride	2.202	62	85353	25.056	ug/l	97
5) Bromomethane	2.592	94	55648	25.809	ug/l	93
6) Chloroethane	2.733	64	55759	24.366	ug/l	96
7) Trichlorofluoromethane	3.056	101	105973	20.907	ug/l	93
8) Diethyl Ether	3.452	74	29994	19.470	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.818	101	57985	19.667	ug/l	91
10) Methyl Iodide	4.007	142	56012	18.784	ug/l	# 89
11) Tert butyl alcohol	4.854	59	23879	81.025	ug/l	# 93
12) 1,1-Dichloroethene	3.787	96	54823	20.002	ug/l	# 76
13) Acrolein	3.653	56	30037	129.943	ug/l	96
14) Allyl chloride	4.385	41	100122	20.246	ug/l	# 90
15) Acrylonitrile	5.055	53	65802	93.388	ug/l	96
16) Acetone	3.873	43	70645	86.267	ug/l	# 85
17) Carbon Disulfide	4.110	76	184555	25.121	ug/l	98
18) Methyl Acetate	4.385	43	35892	20.346	ug/l	# 88
19) Methyl tert-butyl Ether	5.116	73	140655	17.862	ug/l	100
20) Methylene Chloride	4.616	84	65473	19.811	ug/l	# 76
21) trans-1,2-Dichloroethene	5.116	96	62682	21.012	ug/l	# 83
22) Diisopropyl ether	6.019	45	212810	19.756	ug/l	# 90
23) Vinyl Acetate	5.964	43	587816	95.187	ug/l	# 91
24) 1,1-Dichloroethane	5.921	63	121557	20.300	ug/l	95
25) 2-Butanone	6.897	43	97990	89.396	ug/l	# 80
26) 2,2-Dichloropropane	6.884	77	97826	18.345	ug/l	95
27) cis-1,2-Dichloroethene	6.897	96	73022	19.808	ug/l	83
28) Bromochloromethane	7.244	49	53898	20.450	ug/l	# 70
29) Tetrahydrofuran	7.262	42	58334	93.205	ug/l	# 82
30) Chloroform	7.421	83	121164	19.850	ug/l	95
31) Cyclohexane	7.701	56	116249	22.116	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	103121	19.277	ug/l	# 93
36) 1,1-Dichloropropene	7.835	75	89441	20.757	ug/l	93
37) Ethyl Acetate	6.982	43	43815	19.500	ug/l	# 93
38) Carbon Tetrachloride	7.817	117	90537	19.600	ug/l	96
39) Methylcyclohexane	9.110	83	114400	21.071	ug/l	89
40) Benzene	8.079	78	263734	20.224	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020077.D
 Acq On : 30 Oct 2024 13:24
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 30 13:55:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:49:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	23788	19.561	ug/l #	83
42) 1,2-Dichloroethane	8.159	62	72916	19.463	ug/l	94
43) Isopropyl Acetate	8.195	43	83718	18.270	ug/l #	75
44) Trichloroethene	8.866	130	60253	19.077	ug/l	81
45) 1,2-Dichloropropane	9.140	63	64640	19.804	ug/l	99
46) Dibromomethane	9.225	93	34353	19.263	ug/l	89
47) Bromodichloromethane	9.427	83	88375	18.670	ug/l	97
48) Methyl methacrylate	9.219	41	39516	19.605	ug/l #	80
49) 1,4-Dioxane	9.238	88	6584	329.869	ug/l #	69
51) 4-Methyl-2-Pentanone	10.000	43	216002	92.417	ug/l	88
52) Toluene	10.170	92	163230	20.053	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	79101	18.573	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	93870	18.679	ug/l #	83
55) 1,1,2-Trichloroethane	10.567	97	42659	18.156	ug/l	96
56) Ethyl methacrylate	10.439	69	61125	18.131	ug/l #	75
57) 1,3-Dichloropropane	10.713	76	79426	19.250	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	151093	96.270	ug/l	91
59) 2-Hexanone	10.762	43	152298	91.233	ug/l	84
60) Dibromochloromethane	10.908	129	54301	18.006	ug/l	100
61) 1,2-Dibromoethane	11.012	107	38956	18.348	ug/l	98
64) Tetrachloroethene	10.646	164	53279	19.362	ug/l	94
65) Chlorobenzene	11.438	112	169342	19.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	53419	17.843	ug/l	100
67) Ethyl Benzene	11.518	91	311877	19.403	ug/l	99
68) m/p-Xylenes	11.627	106	229769	38.705	ug/l	92
69) o-Xylene	11.951	106	106187	18.617	ug/l	91
70) Styrene	11.969	104	178553	18.555	ug/l	95
71) Bromoform	12.133	173	26700	16.660	ug/l #	99
73) Isopropylbenzene	12.255	105	288608	18.999	ug/l	99
74) N-amyl acetate	12.066	43	72538	18.029	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	50452	18.691	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	34602m	9.780	ug/l	
77) Bromobenzene	12.530	156	58191	18.052	ug/l	81
78) n-propylbenzene	12.591	91	364746	19.871	ug/l	96
79) 2-Chlorotoluene	12.676	91	200389	19.043	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	236250	19.257	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	15276	17.428	ug/l #	80
82) 4-Chlorotoluene	12.774	91	207370	19.273	ug/l	95
83) tert-Butylbenzene	12.993	119	202147	18.393	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	231420	19.026	ug/l	97
85) sec-Butylbenzene	13.176	105	314228	19.136	ug/l	97
86) p-Isopropyltoluene	13.292	119	254400	19.079	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	121383	18.646	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	119390	18.668	ug/l	96
89) n-Butylbenzene	13.615	91	255253	19.605	ug/l	97
90) Hexachloroethane	13.877	117	49426	19.037	ug/l	85
91) 1,2-Dichlorobenzene	13.658	146	105505	18.445	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7666	17.796	ug/l	68
93) 1,2,4-Trichlorobenzene	14.919	180	56651	17.663	ug/l	96
94) Hexachlorobutadiene	15.017	225	30501	17.105	ug/l	95
95) Naphthalene	15.145	128	102556	16.953	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	47182	17.402	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

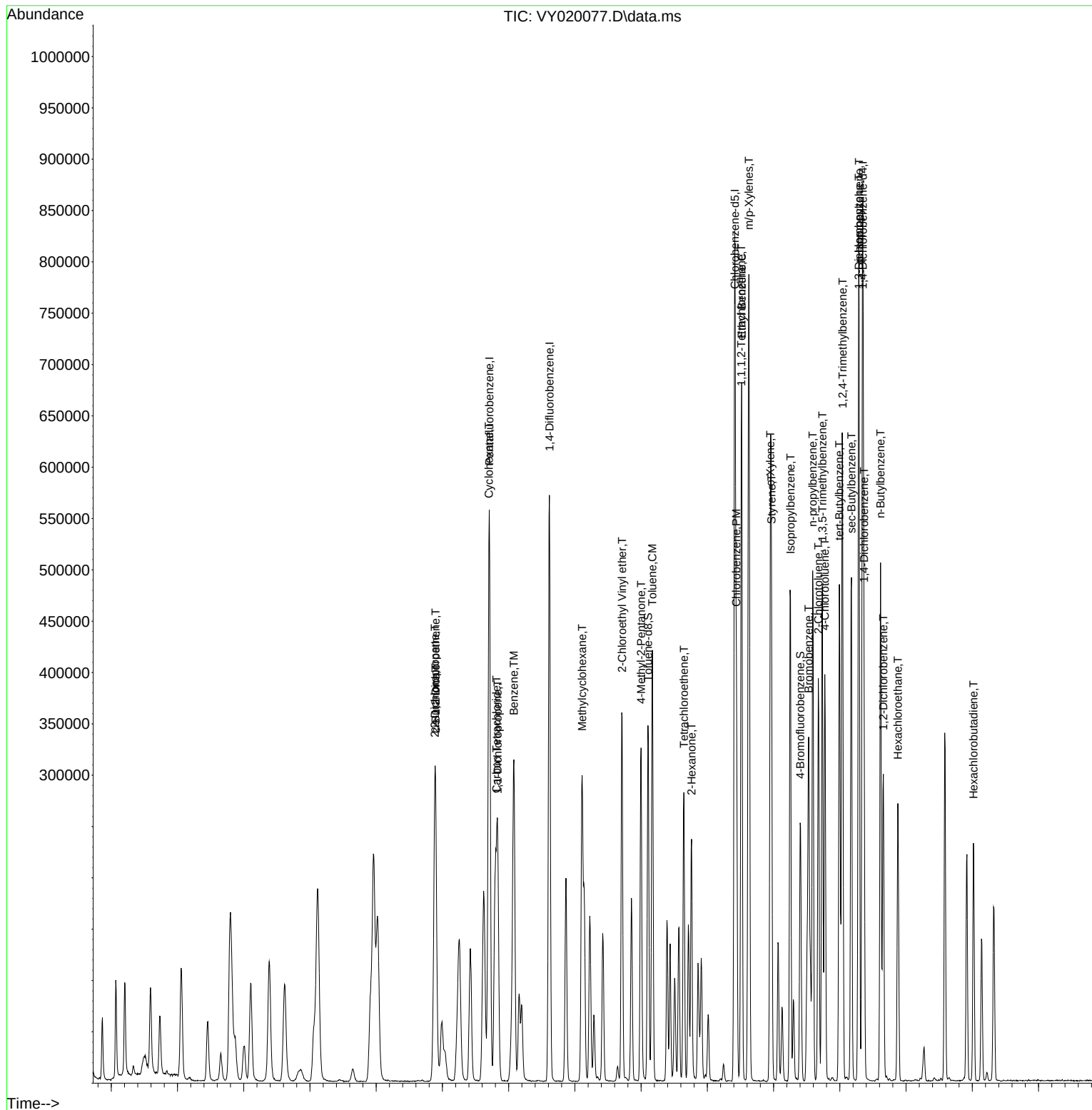
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Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

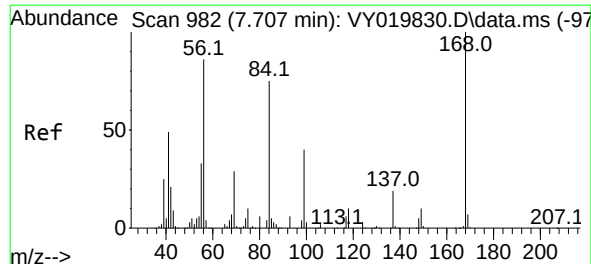
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024





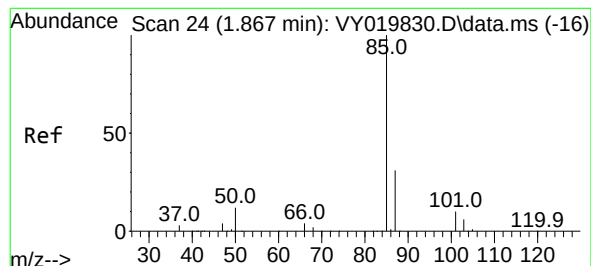
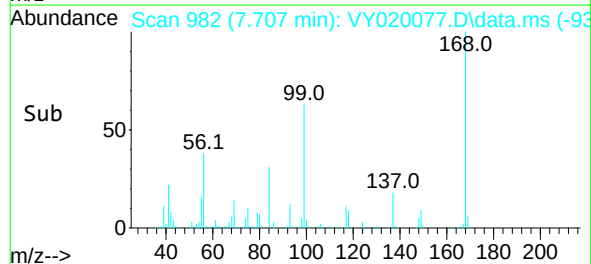
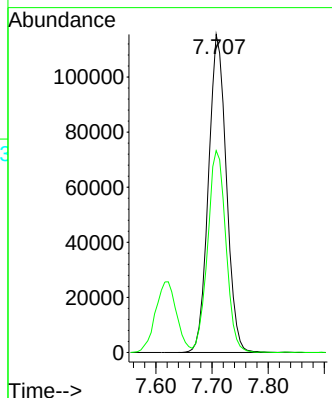
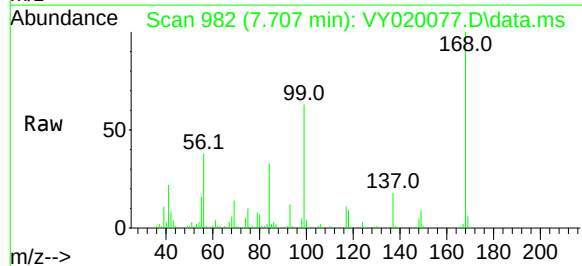
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 168 Resp: 255489
Ion Ratio Lower Upper
168 100
99 63.5 39.1 58.7

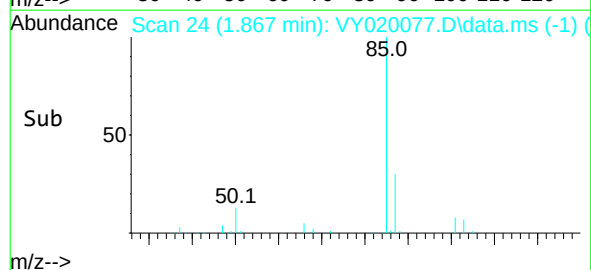
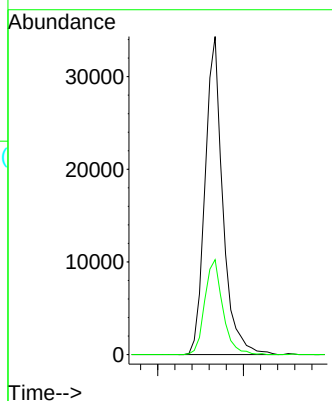
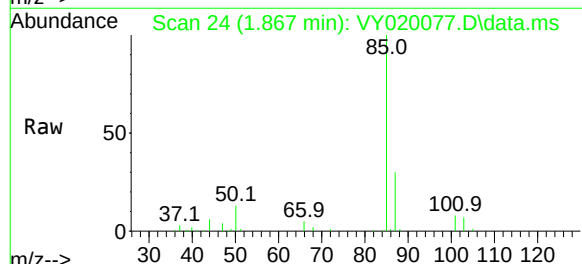
Manual Integrations
APPROVED

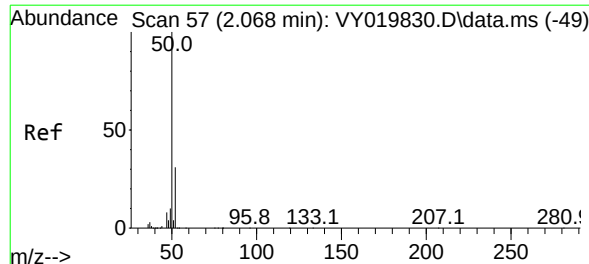
Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#2
Dichlorodifluoromethane
Concen: 20.715 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Tgt Ion: 85 Resp: 49268
Ion Ratio Lower Upper
85 100
87 29.8 16.0 48.0





#3

Chloromethane

Concen: 26.102 ug/l

RT: 2.068 min Scan# 57

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 80800

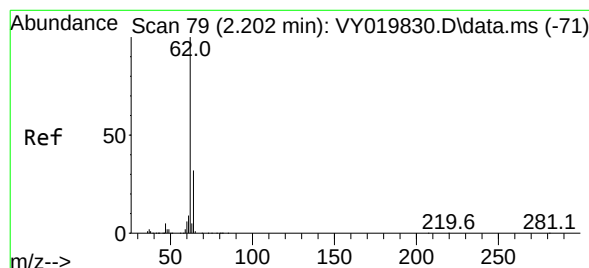
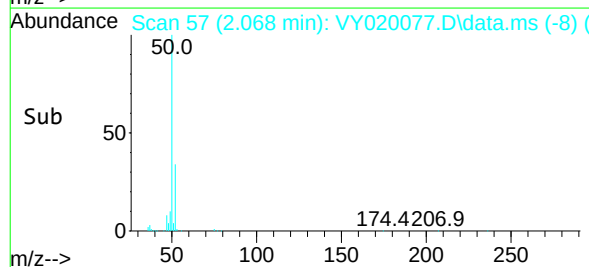
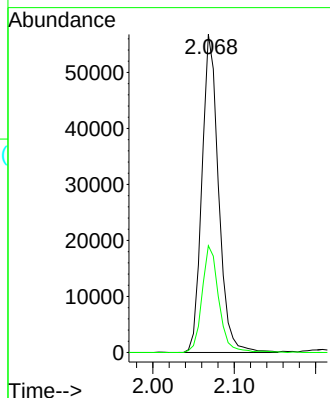
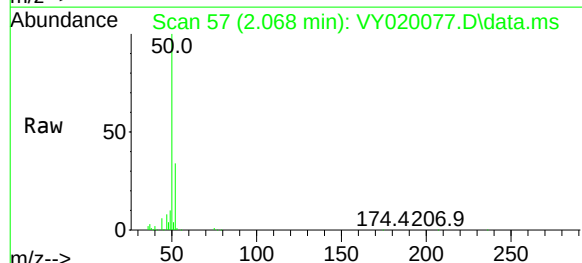
Ion Ratio Lower Upper

50 100

52 33.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#4

Vinyl Chloride

Concen: 25.056 ug/l

RT: 2.202 min Scan# 79

Delta R.T. -0.006 min

Lab File: VY020077.D

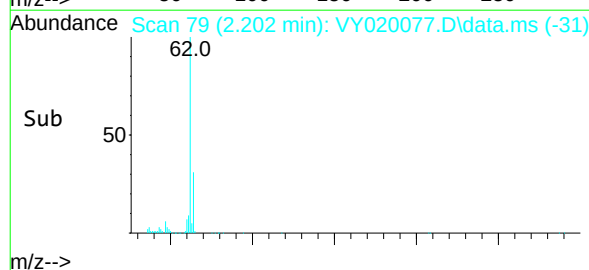
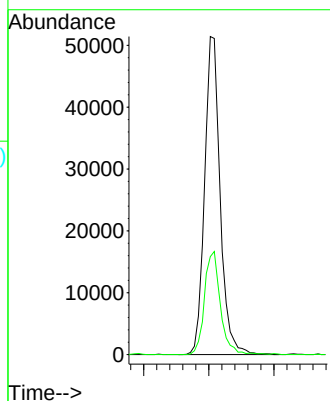
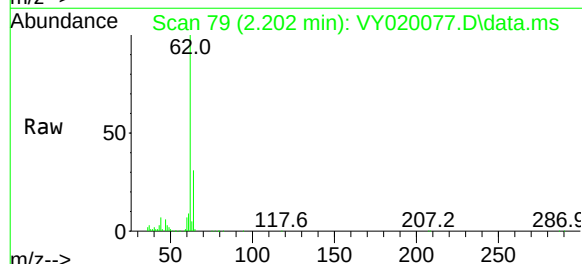
Acq: 30 Oct 2024 13:24

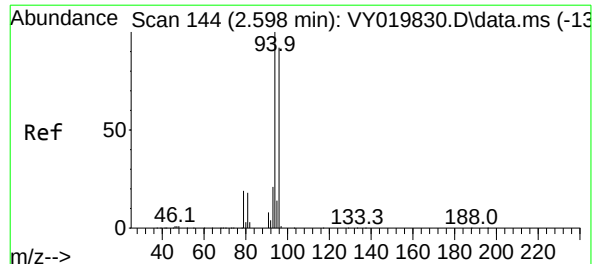
Tgt Ion: 62 Resp: 85353

Ion Ratio Lower Upper

62 100

64 30.8 26.1 39.1





#5

Bromomethane

Concen: 25.809 ug/l

RT: 2.592 min Scan# 144

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 94 Resp: 55648

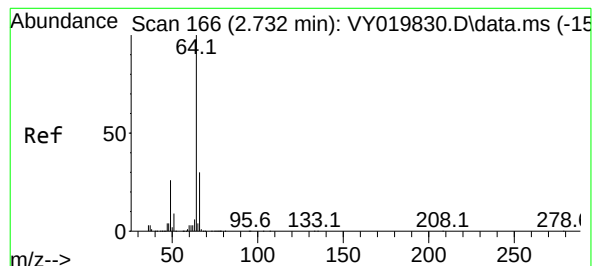
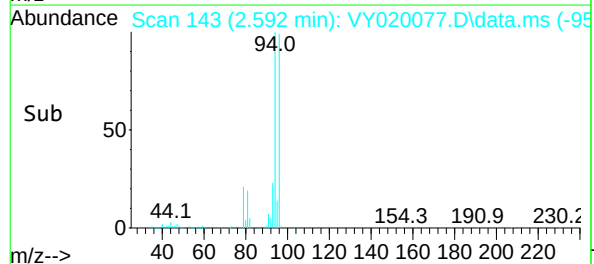
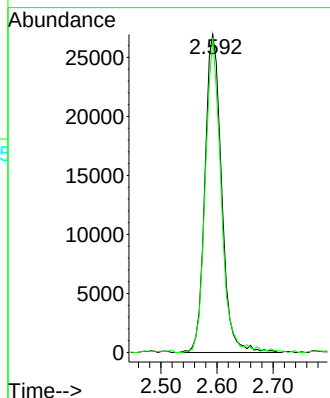
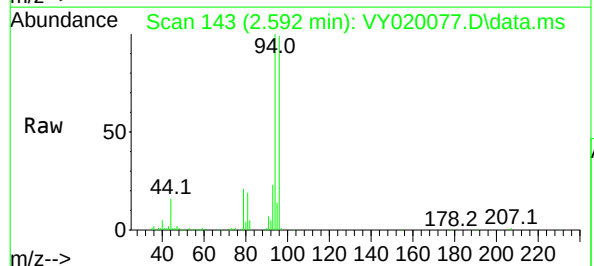
Ion Ratio Lower Upper

94 100

96 99.0 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#6

Chloroethane

Concen: 24.366 ug/l

RT: 2.733 min Scan# 166

Delta R.T. -0.006 min

Lab File: VY020077.D

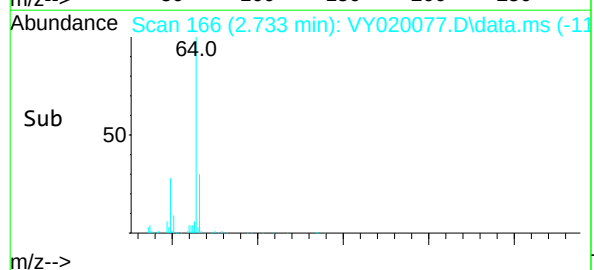
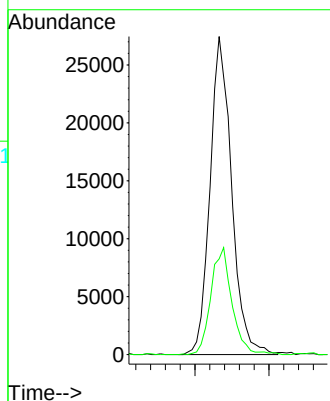
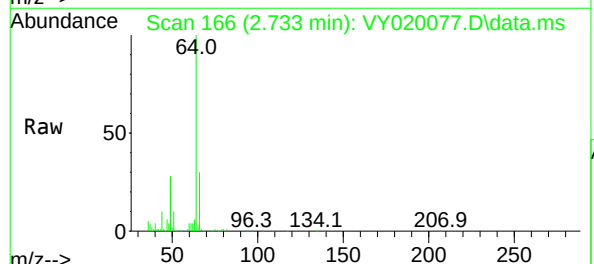
Acq: 30 Oct 2024 13:24

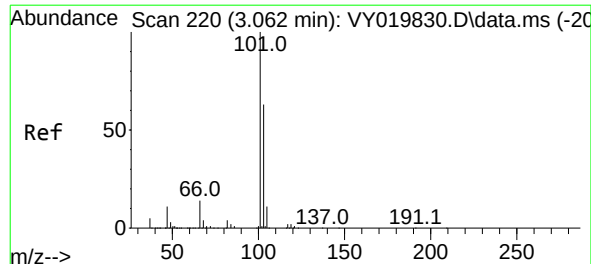
Tgt Ion: 64 Resp: 55759

Ion Ratio Lower Upper

64 100

66 30.1 26.1 39.1





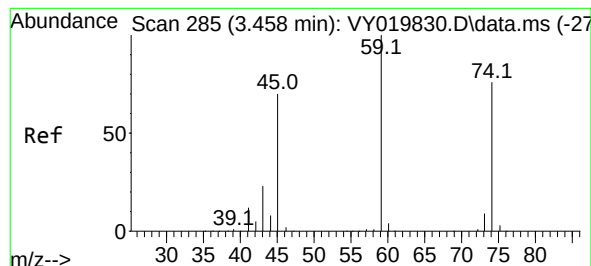
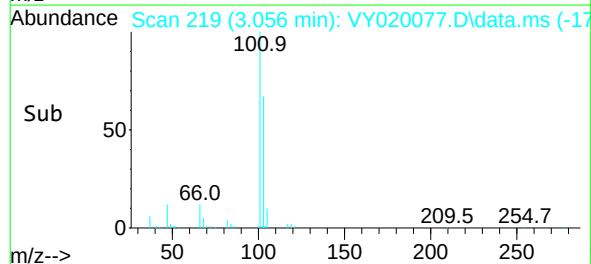
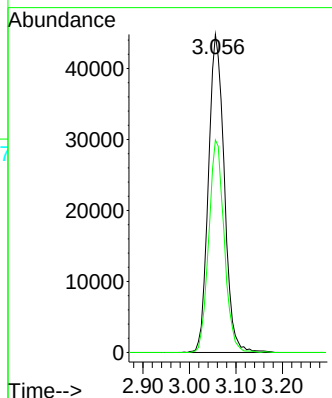
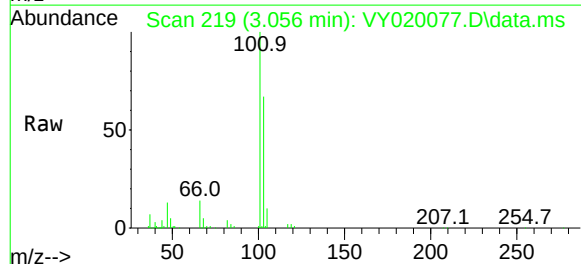
#7
Trichlorofluoromethane
Concen: 20.907 ug/l
RT: 3.056 min Scan# 211
Delta R.T. -0.006 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 101 Resp: 105973
Ion Ratio Lower Upper
101 100
103 66.8 49.3 73.9

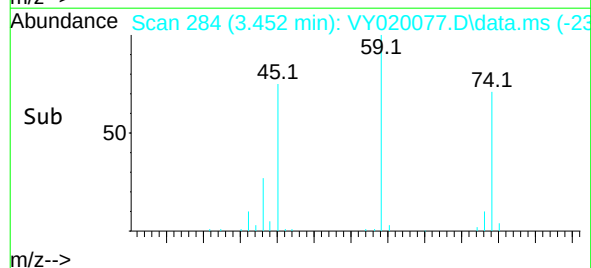
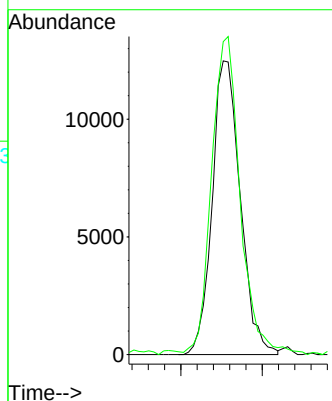
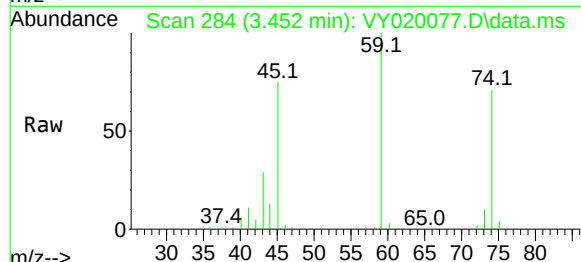
Manual Integrations
APPROVED

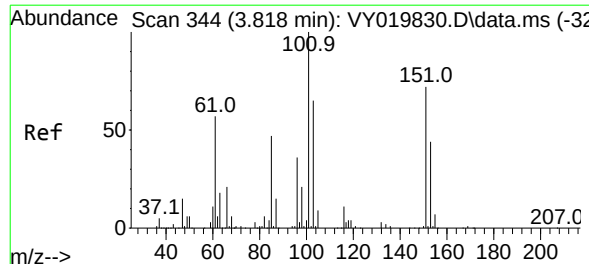
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#8
Diethyl Ether
Concen: 19.470 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Tgt Ion: 74 Resp: 29994
Ion Ratio Lower Upper
74 100
45 110.0 41.3 124.1





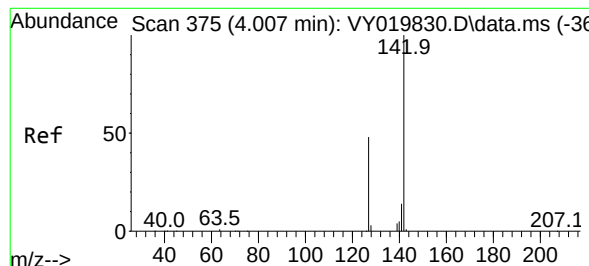
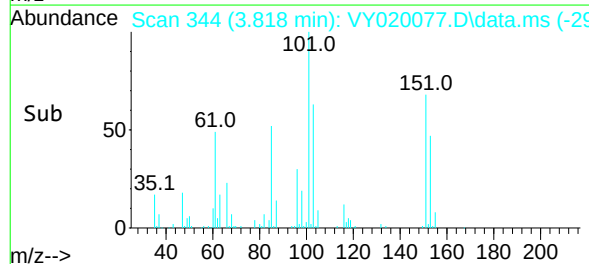
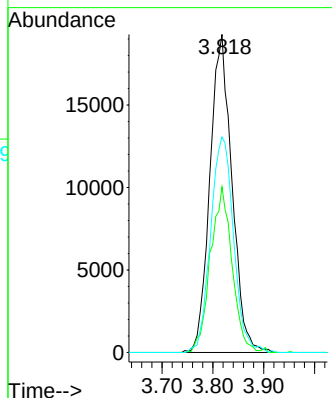
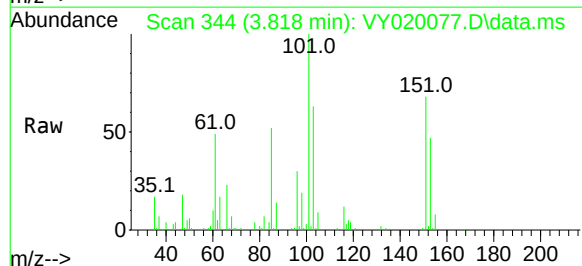
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.667 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.007 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 57985
Ion Ratio Lower Upper
101 100
85 51.0 34.5 51.7
151 70.7 61.7 92.5

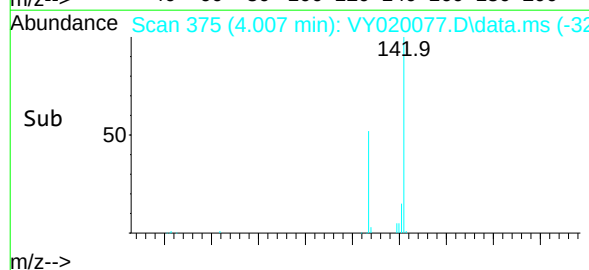
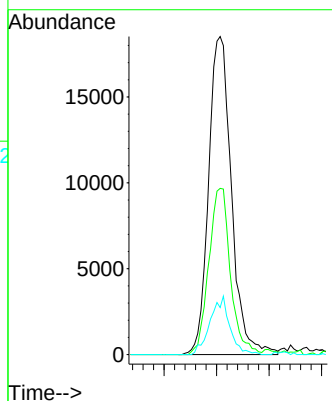
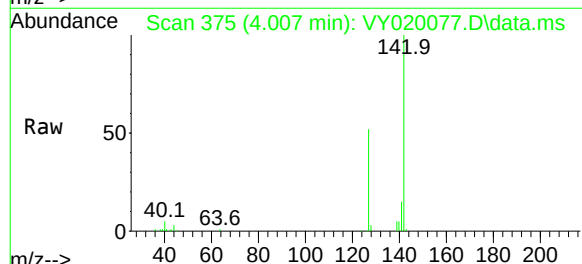
Manual Integrations
APPROVED

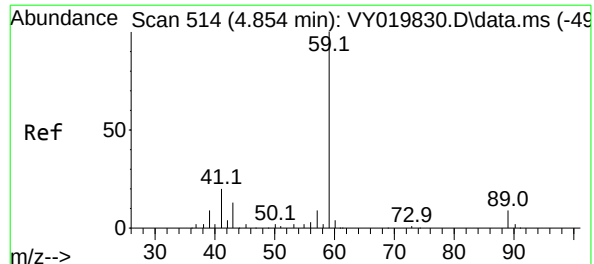
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 18.784 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Tgt Ion:142 Resp: 56012
Ion Ratio Lower Upper
142 100
127 49.5 32.8 49.2#
141 15.8 11.4 17.2





#11

Tert butyl alcohol

Concen: 81.025 ug/l

RT: 4.854 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 23879

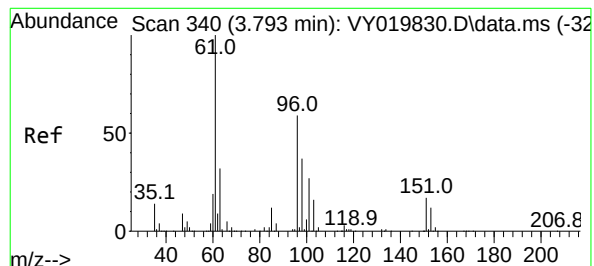
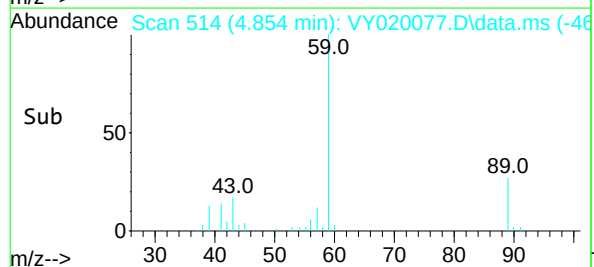
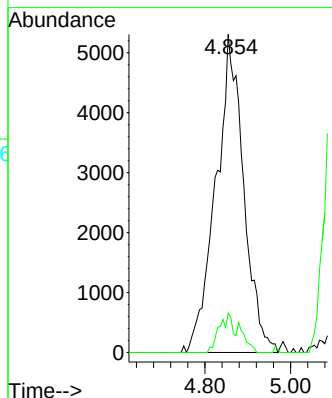
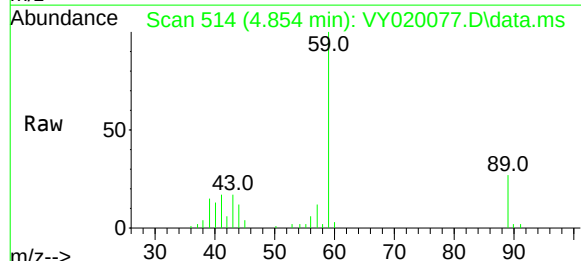
Ion Ratio Lower Upper

59 100

57 6.2 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#12

1,1-Dichloroethene

Concen: 20.002 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

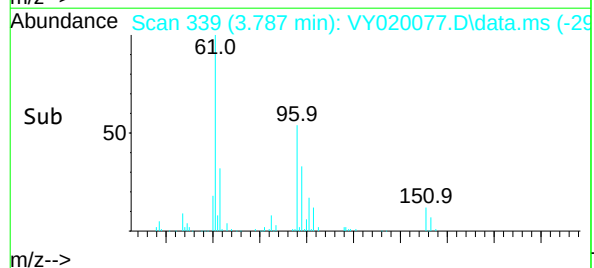
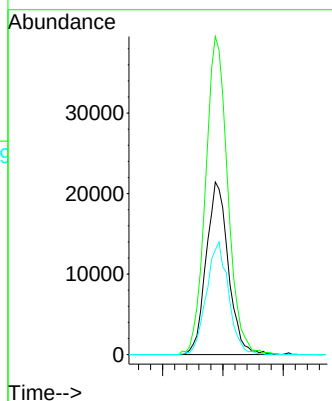
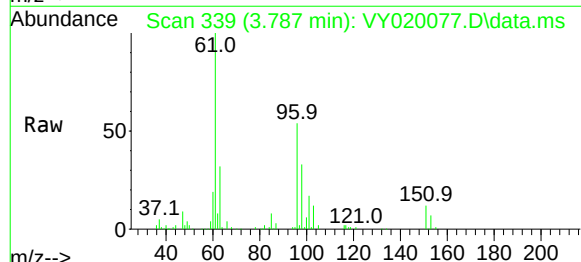
Tgt Ion: 96 Resp: 54823

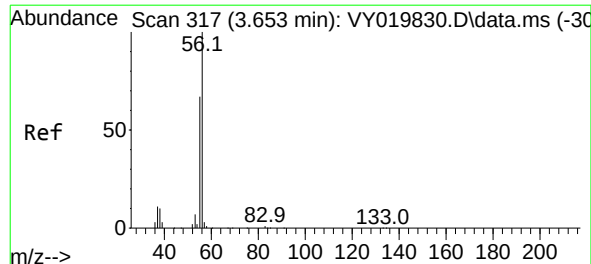
Ion Ratio Lower Upper

96 100

61 184.3 114.6 171.8#

98 60.6 50.8 76.2





#13

Acrolein

Concen: 129.943 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 30037

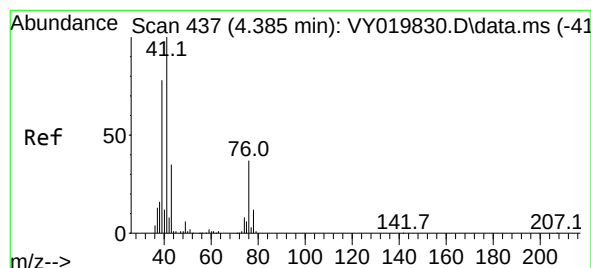
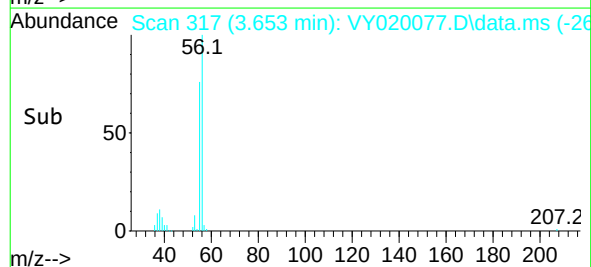
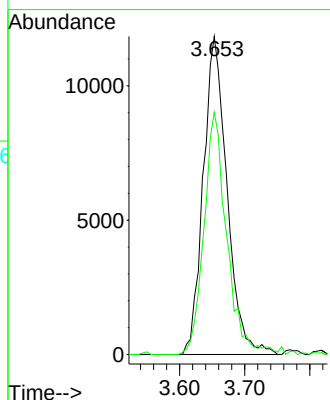
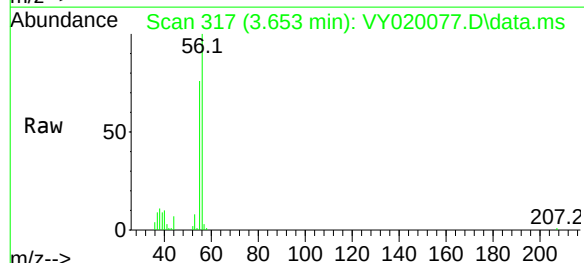
Ion Ratio Lower Upper

56 100

55 73.0 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#14

Allyl chloride

Concen: 20.246 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

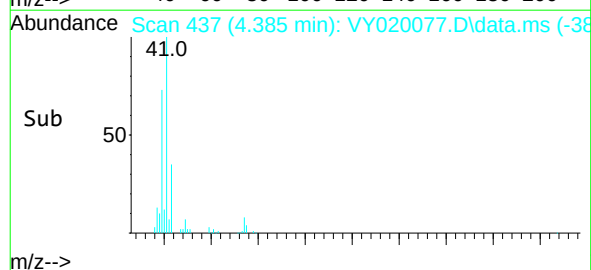
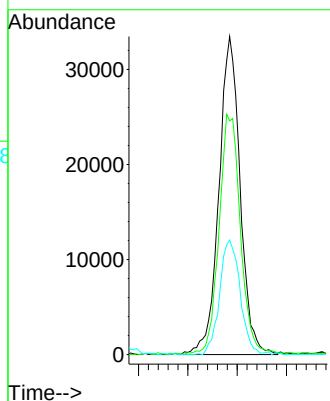
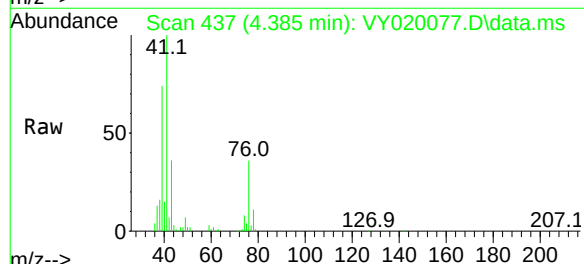
Tgt Ion: 41 Resp: 100122

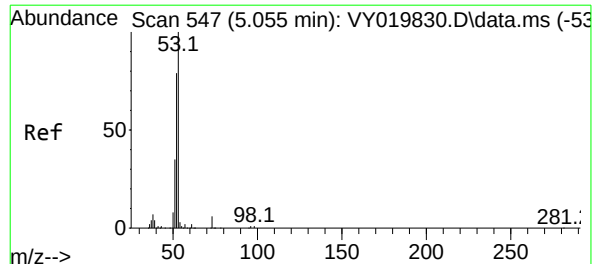
Ion Ratio Lower Upper

41 100

39 75.4 58.3 87.5

76 34.7 39.0 58.6#





#15

Acrylonitrile

Concen: 93.388 ug/l

RT: 5.055 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

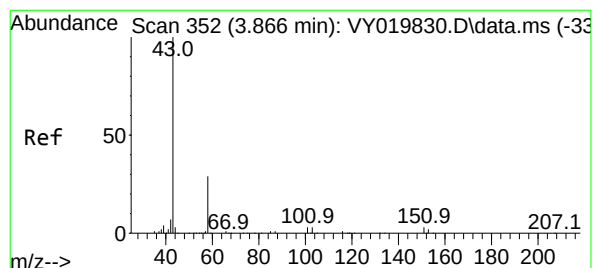
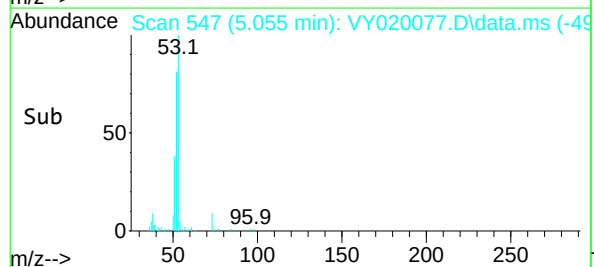
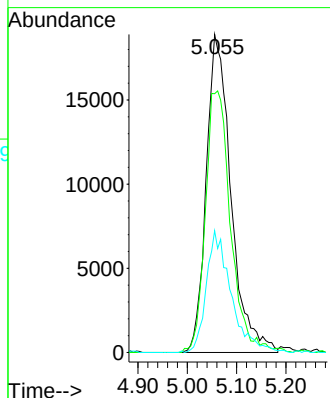
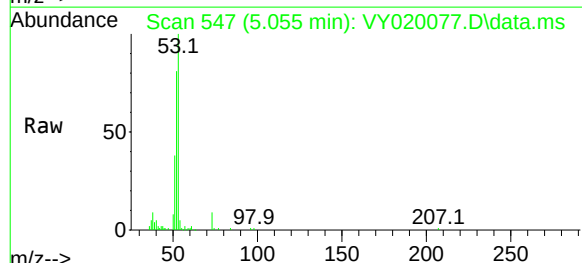
ClientSampleId :

VSTDIC020

Tgt Ion: 53	Resp: 65802
Ion Ratio	Lower Upper
53 100	
52 83.6	64.7 97.1
51 38.4	28.4 42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 86.267 ug/l

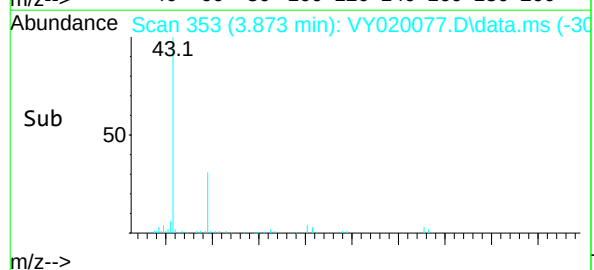
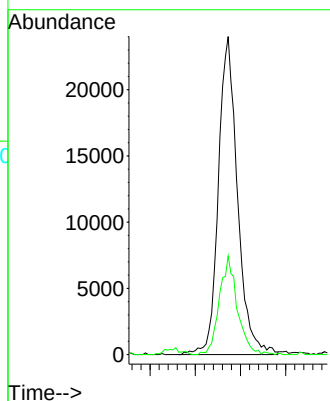
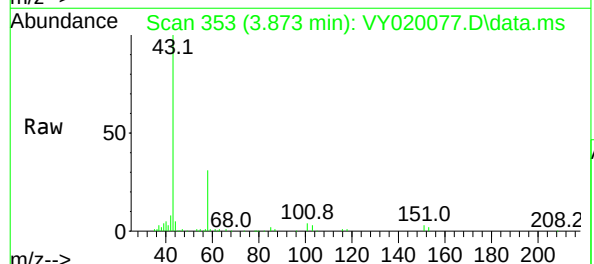
RT: 3.873 min Scan# 353

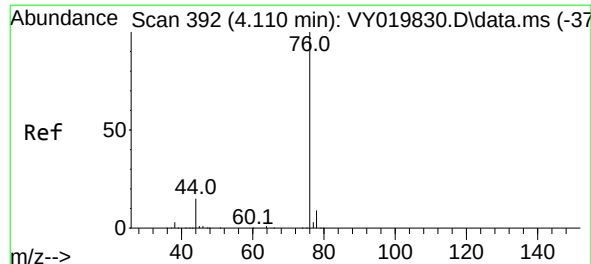
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion: 43	Resp: 70645
Ion Ratio	Lower Upper
43 100	
58 30.6	31.7 47.5





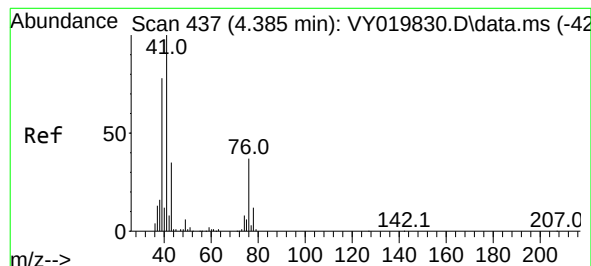
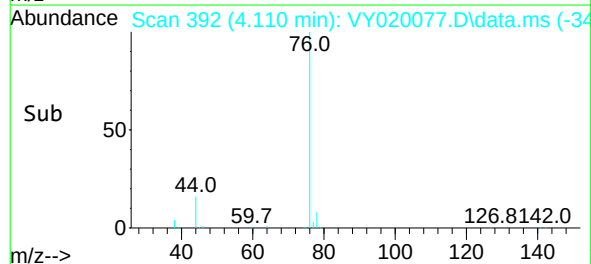
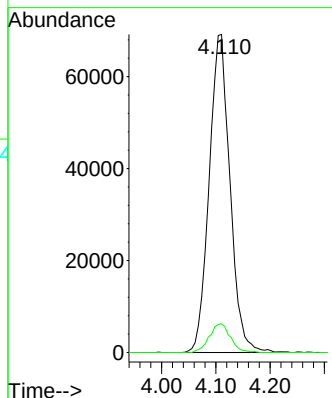
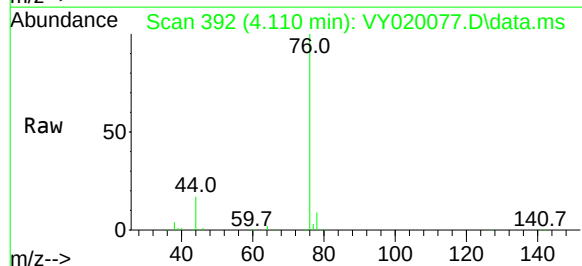
#17
Carbon Disulfide
Concen: 25.121 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.007 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 184555
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

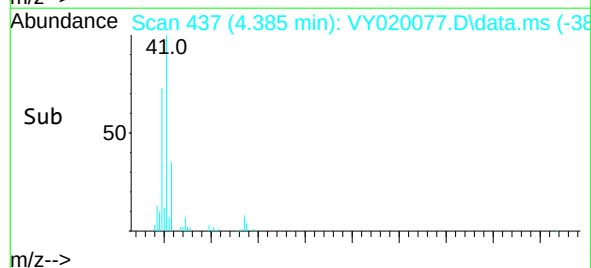
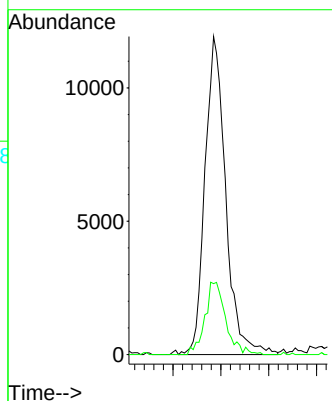
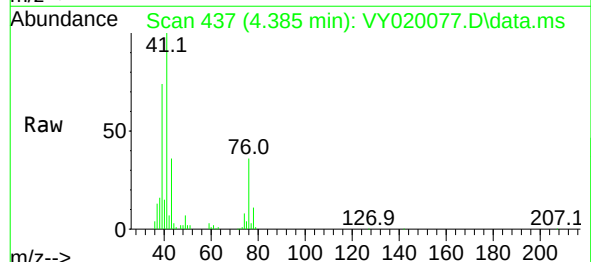
Manual Integrations
APPROVED

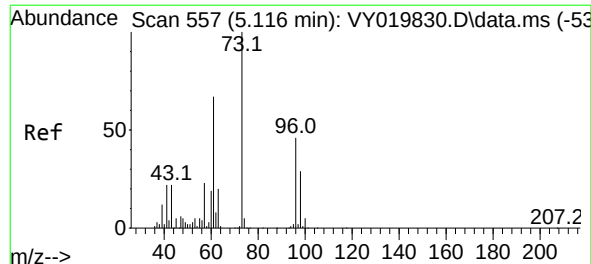
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#18
Methyl Acetate
Concen: 20.346 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Tgt Ion: 43 Resp: 35892
Ion Ratio Lower Upper
43 100
74 22.9 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 17.862 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 140655

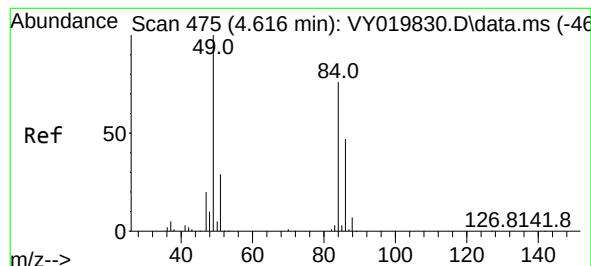
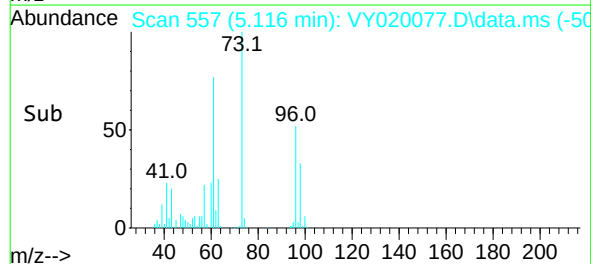
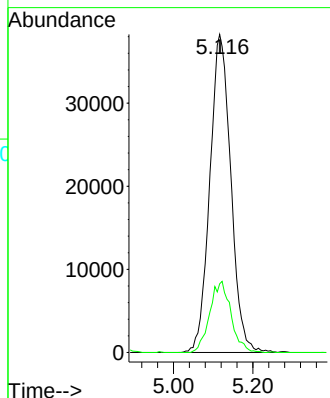
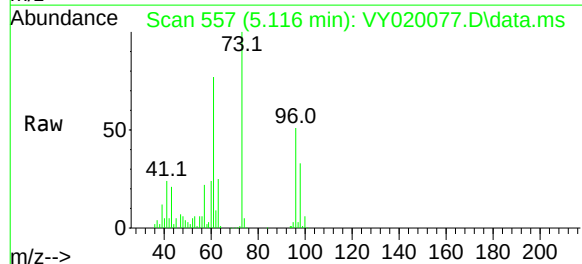
Ion Ratio Lower Upper

73 100

57 21.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#20

Methylene Chloride

Concen: 19.811 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion: 84 Resp: 65473

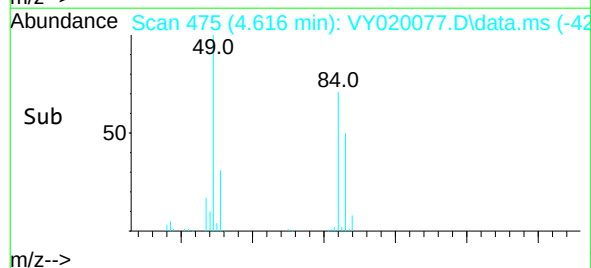
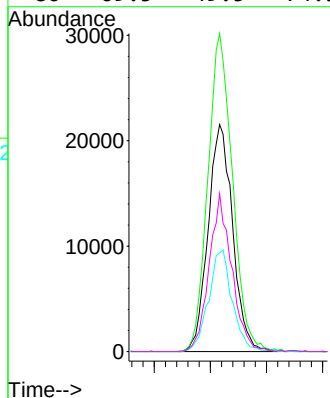
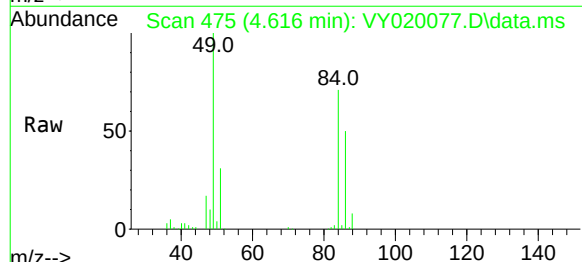
Ion Ratio Lower Upper

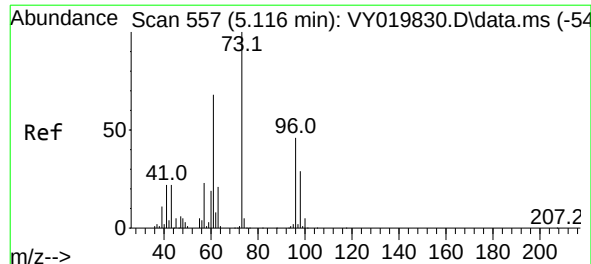
84 100

49 139.8 84.4 126.6#

51 43.5 26.0 39.0#

86 69.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.012 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.007 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

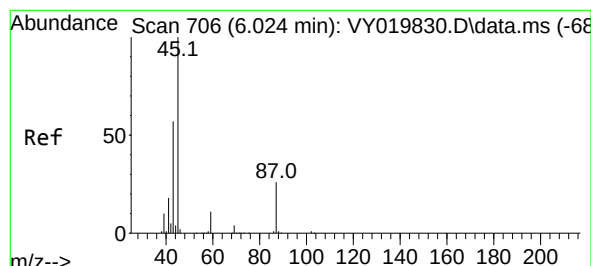
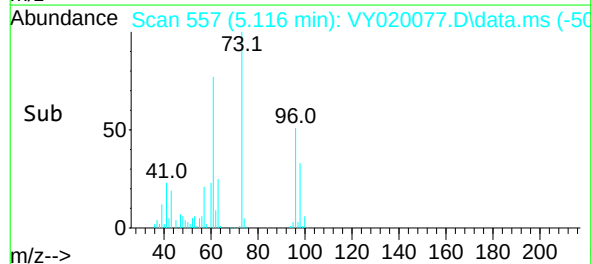
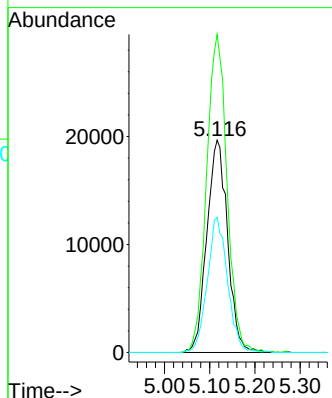
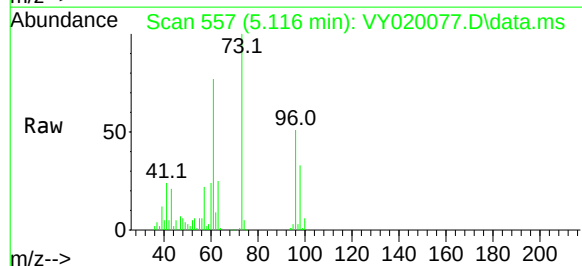
ClientSampleId :

VSTDICC020

Tgt Ion:	96	Resp:	62682
Ion	Ratio	Lower	Upper
96	100		
61	149.8	97.5	146.3#
98	63.7	50.5	75.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#22

Diisopropyl ether

Concen: 19.756 ug/l

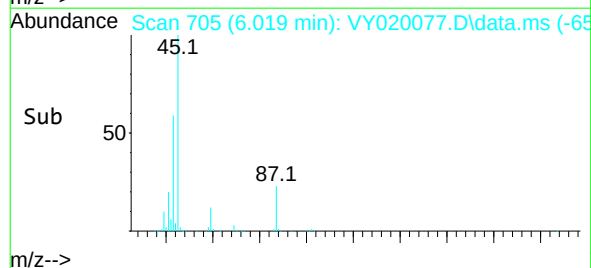
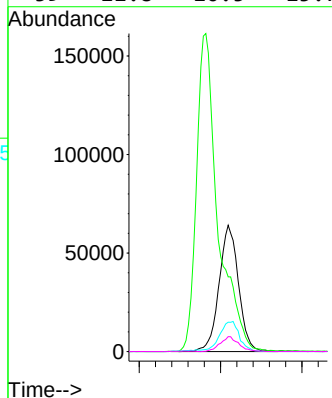
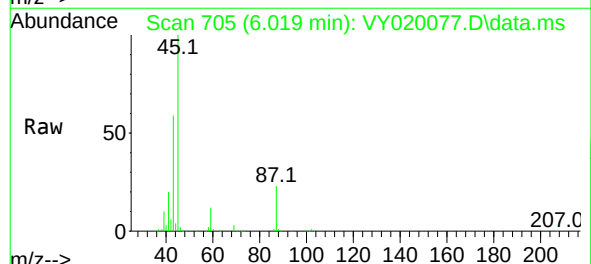
RT: 6.019 min Scan# 705

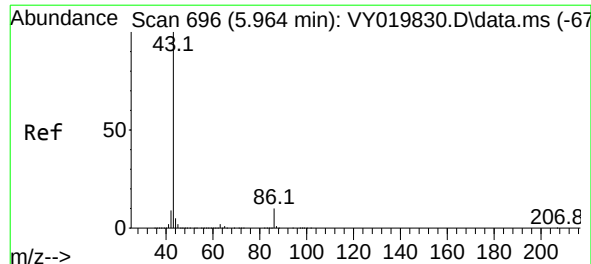
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	45	Resp:	212810
Ion	Ratio	Lower	Upper
45	100		
43	58.9	42.2	63.2
87	23.1	25.0	37.6#
59	11.8	10.5	15.7





#23

Vinyl Acetate

Concen: 95.187 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.007 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 587816

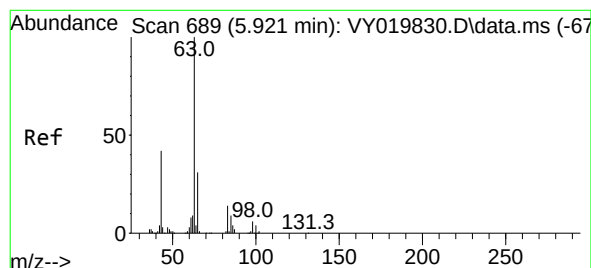
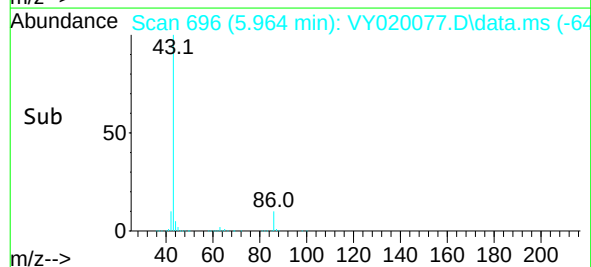
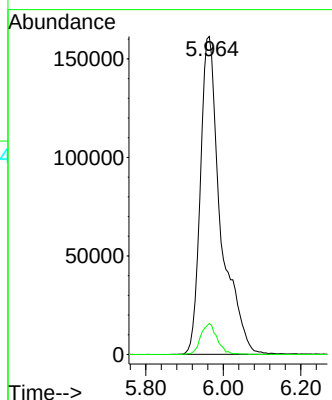
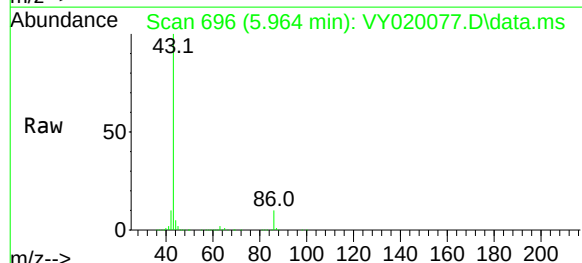
Ion Ratio Lower Upper

43 100

86 9.8 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#24

1,1-Dichloroethane

Concen: 20.300 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.007 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

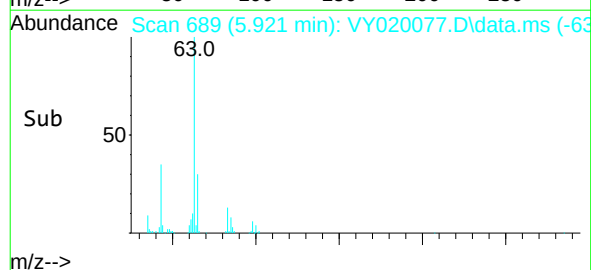
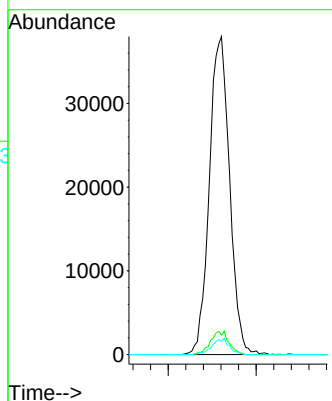
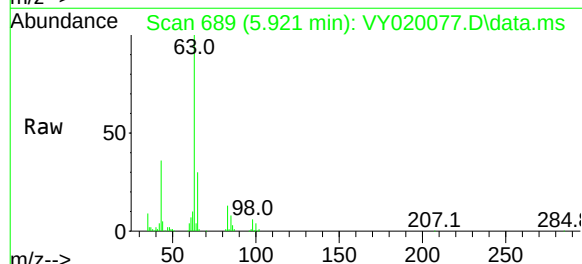
Tgt Ion: 63 Resp: 121557

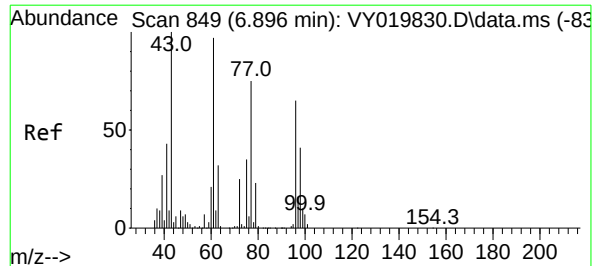
Ion Ratio Lower Upper

63 100

98 6.1 4.0 12.2

100 4.2 2.6 8.0





#25

2-Butanone

Concen: 89.396 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.007 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 97996

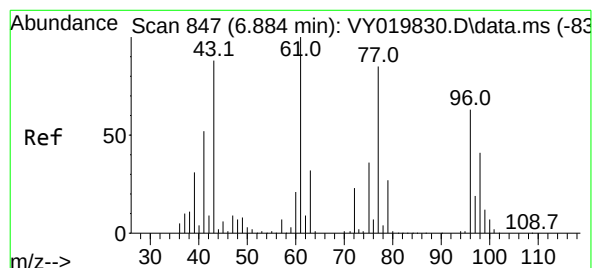
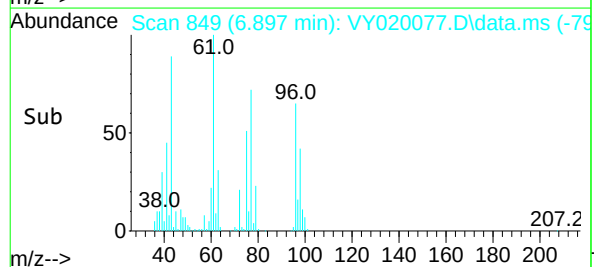
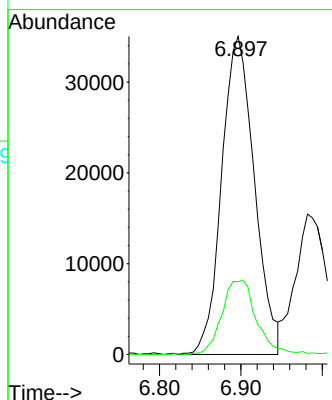
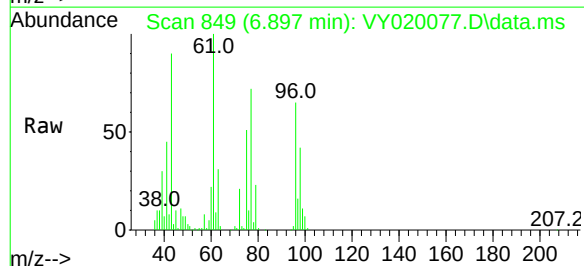
Ion Ratio Lower Upper

43 100

72 22.7 27.3 40.9%

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#26

2,2-Dichloropropane

Concen: 18.345 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY020077.D

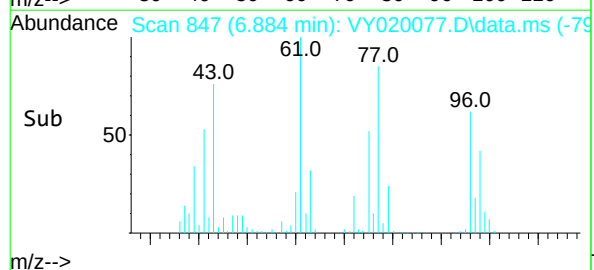
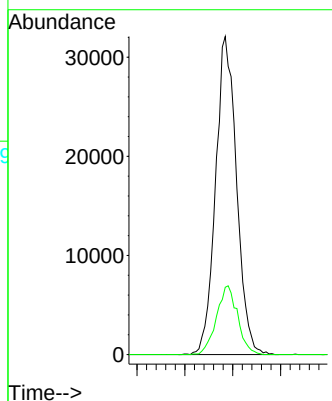
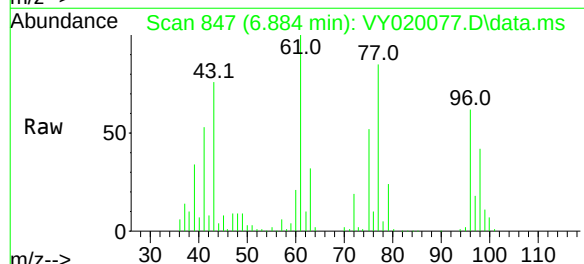
Acq: 30 Oct 2024 13:24

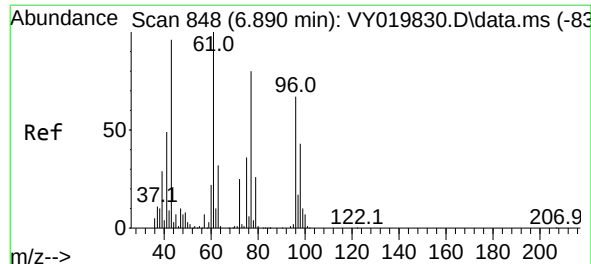
Tgt Ion: 77 Resp: 97826

Ion Ratio Lower Upper

77 100

97 21.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 19.808 ug/l

RT: 6.897 min Scan# 848

Delta R.T. 0.007 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 73022

Ion Ratio Lower Upper

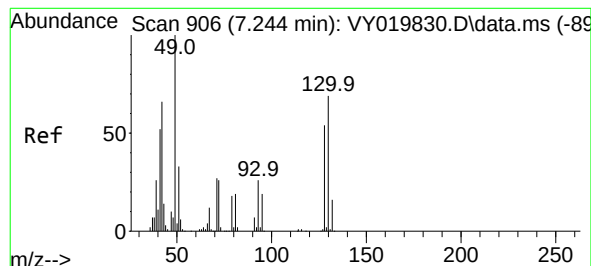
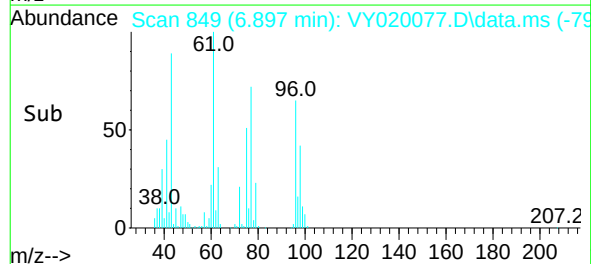
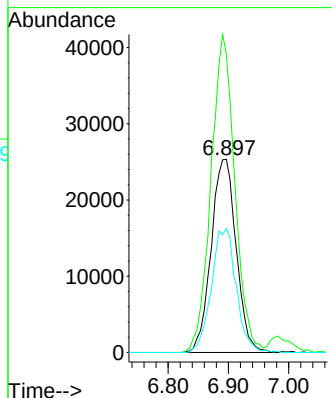
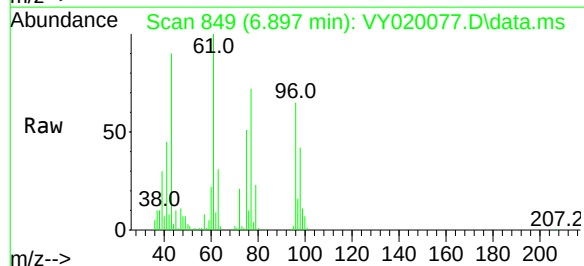
96 100

61 156.9 0.0 256.2

98 63.8 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#28

Bromochloromethane

Concen: 20.450 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

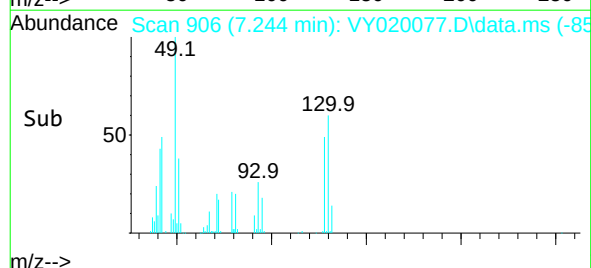
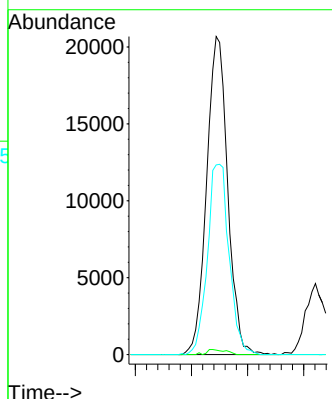
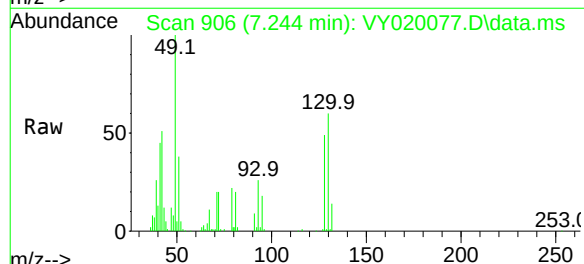
Tgt Ion: 49 Resp: 53898

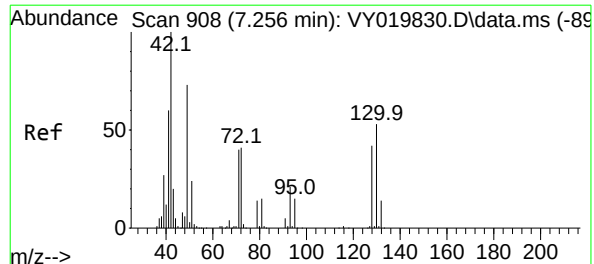
Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.6

130 61.5 72.7 109.1#





#29

Tetrahydrofuran

Concen: 93.205 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

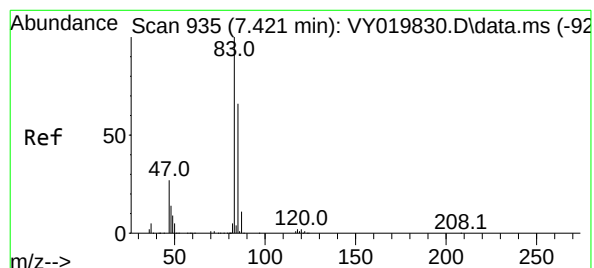
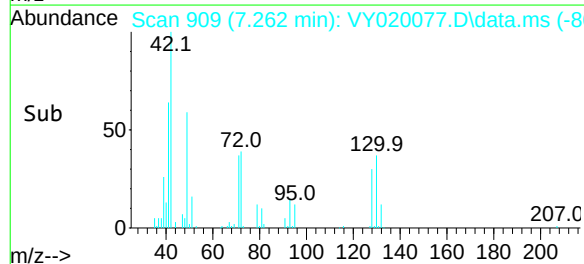
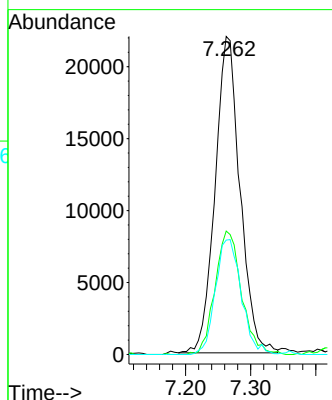
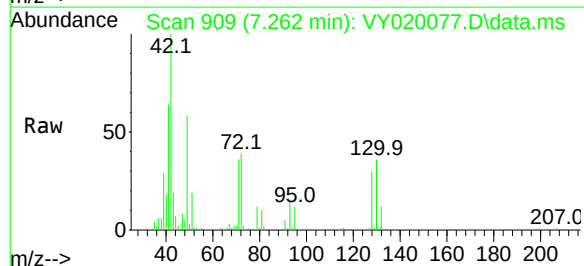
ClientSampleId :

VSTDICC020

Tgt Ion:	42	Resp:	58334
Ion	Ratio	Lower	Upper
42	100		
72	41.5	43.0	64.4
71	37.8	40.8	61.2

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#30

Chloroform

Concen: 19.850 ug/l

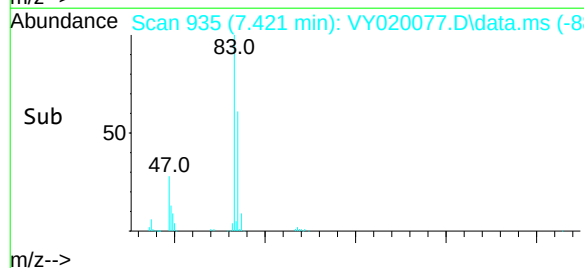
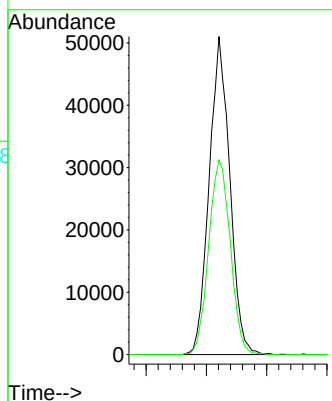
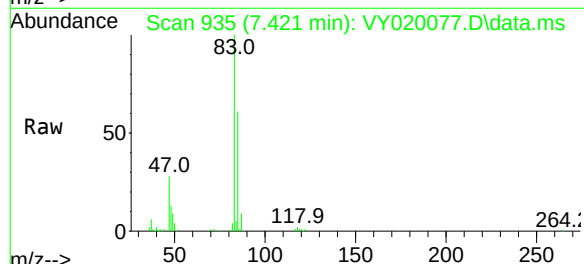
RT: 7.421 min Scan# 935

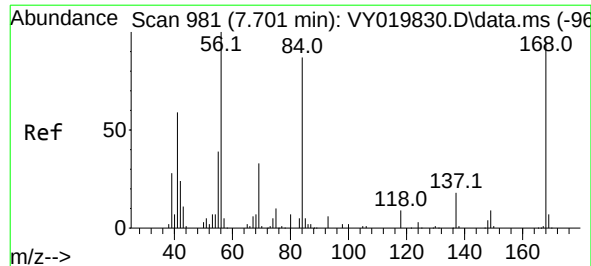
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	83	Resp:	121164
Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.4





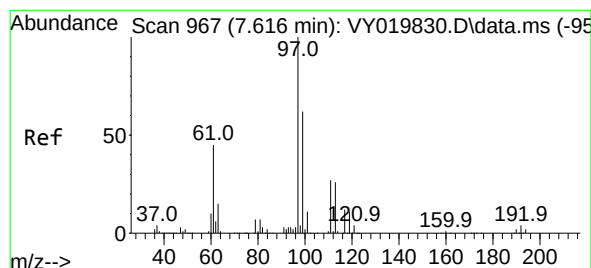
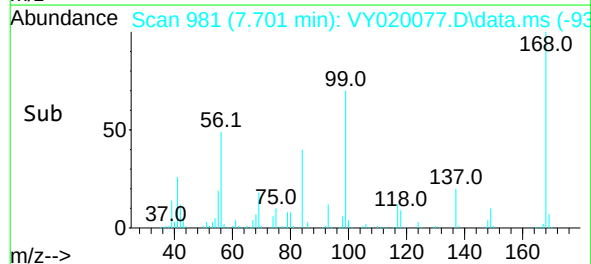
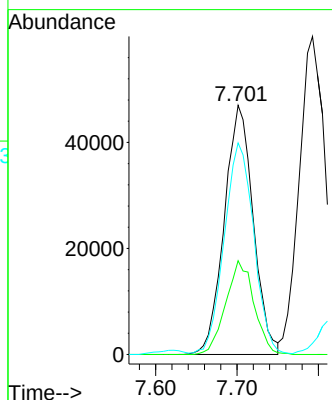
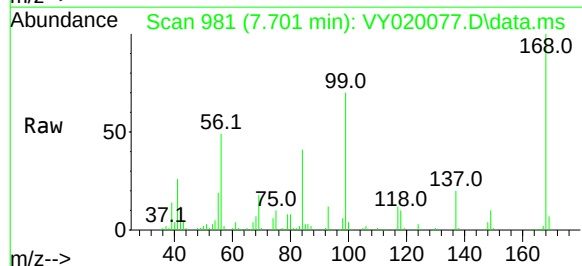
#31
Cyclohexane
Concen: 22.116 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 116249
Ion Ratio Lower Upper
56 100
69 37.6 28.7 43.1
84 83.4 77.7 116.5

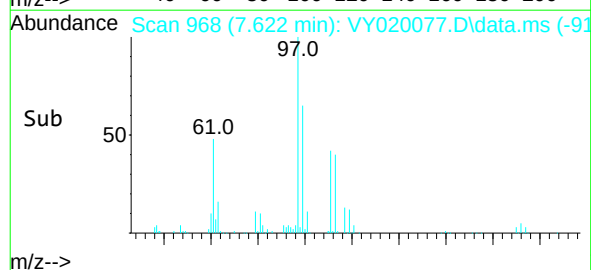
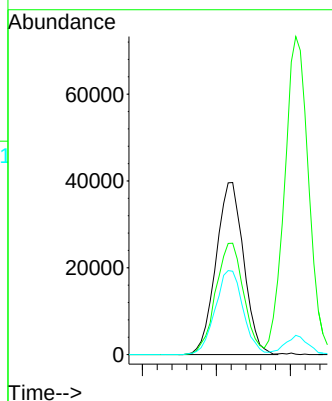
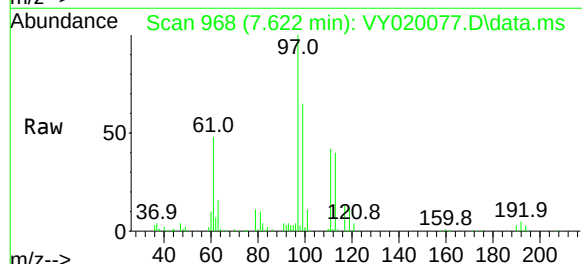
Manual Integrations
APPROVED

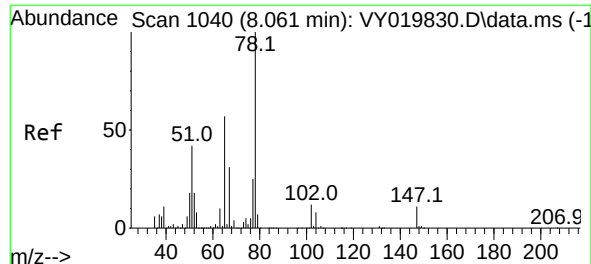
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#32
1,1,1-Trichloroethane
Concen: 19.277 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.007 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Tgt Ion: 97 Resp: 103121
Ion Ratio Lower Upper
97 100
99 65.6 50.3 75.5
61 49.2 32.6 48.8#





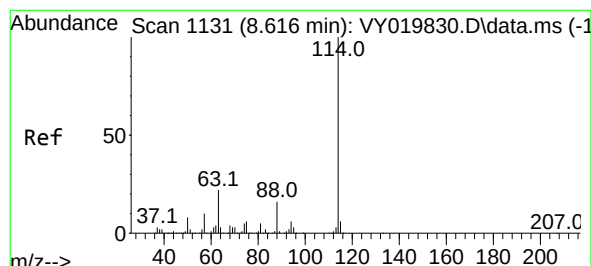
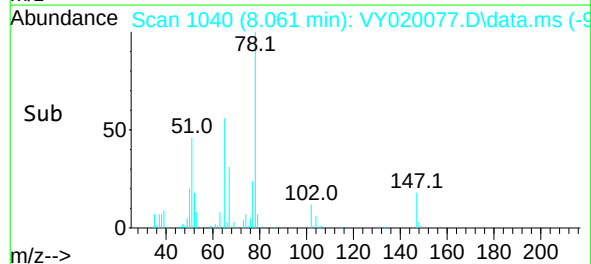
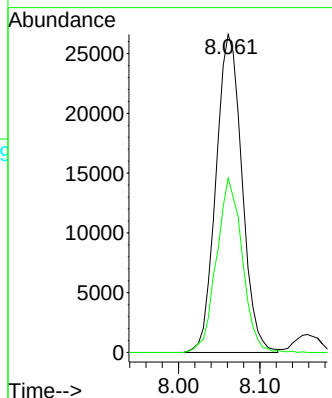
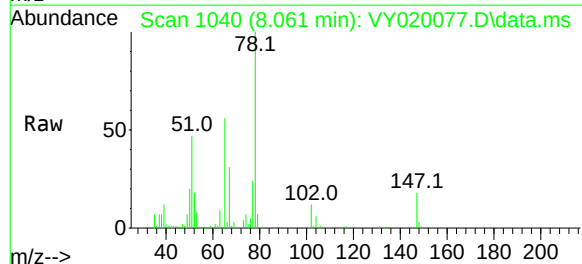
#33
1,2-Dichloroethane-d4
Concen: 18.791 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 59114
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6

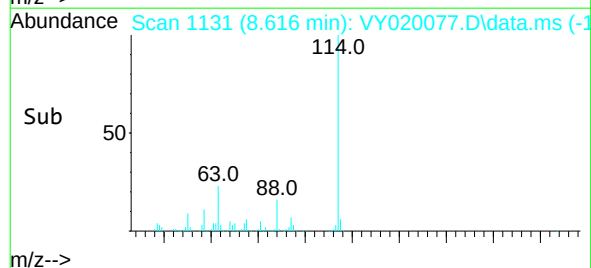
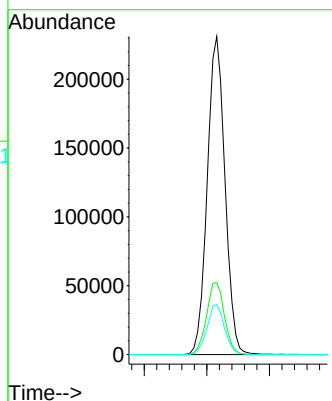
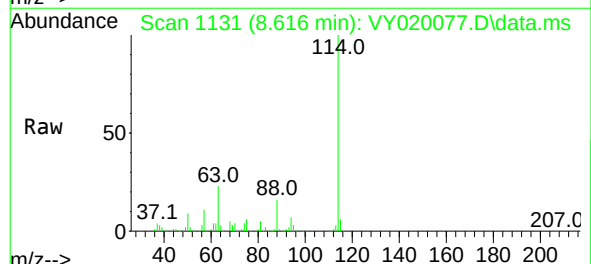
Manual Integrations
APPROVED

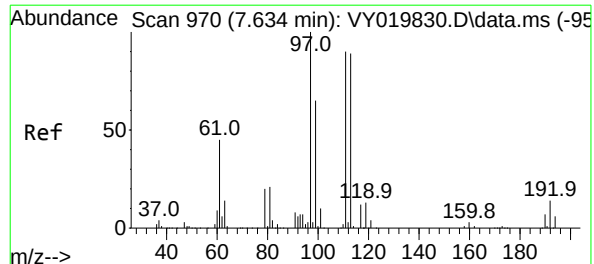
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Tgt Ion:114 Resp: 453247
Ion Ratio Lower Upper
114 100
63 22.6 0.0 35.0
88 15.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 18.187 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

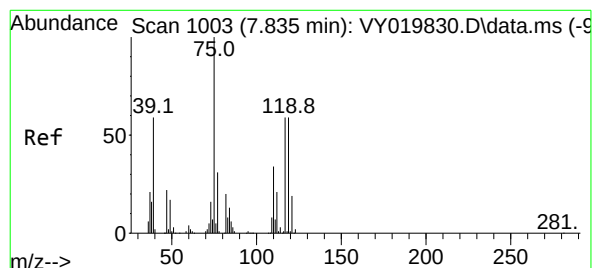
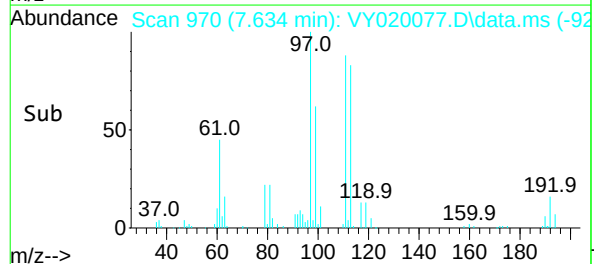
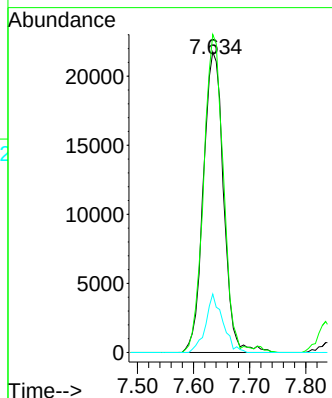
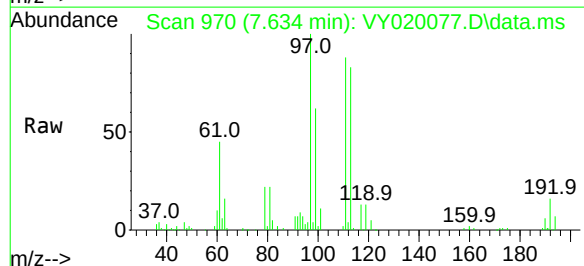
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	54397
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	16.5	15.9	23.9

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#36

1,1-Dichloropropene

Concen: 20.757 ug/l

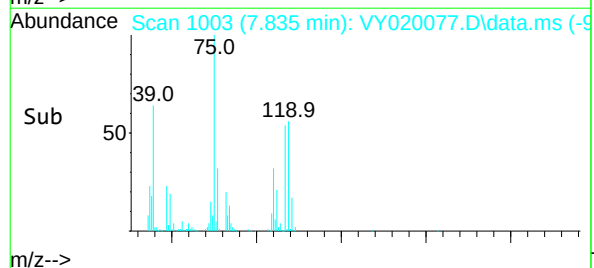
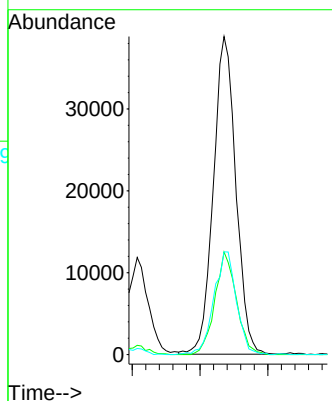
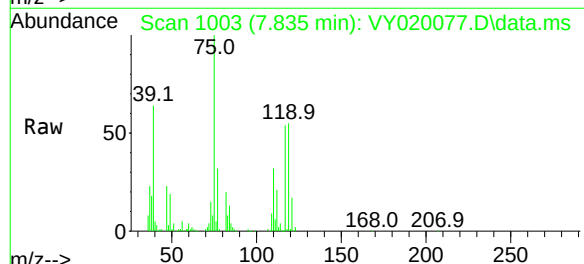
RT: 7.835 min Scan# 1003

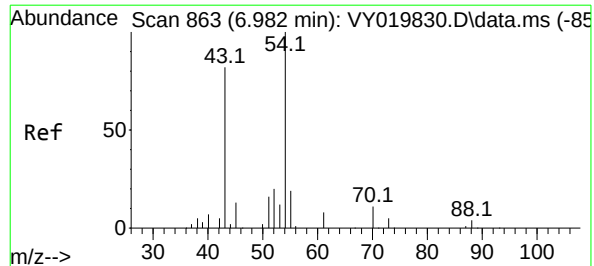
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	75	Resp:	89441
Ion	Ratio	Lower	Upper
75	100		
110	30.8	19.0	57.0
77	32.4	25.3	37.9





#37

Ethyl Acetate

Concen: 19.500 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	43	Resp:	43815
Ion	Ratio	Lower	Upper
43	100		
61	12.1	12.6	19.0
70	8.5	7.8	11.8

Instrument :

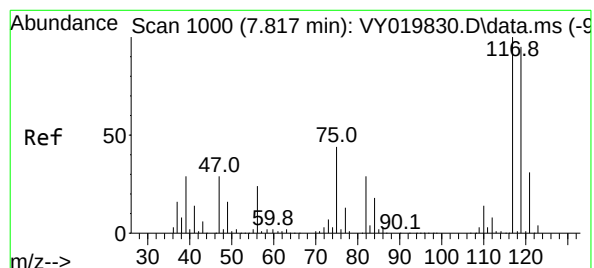
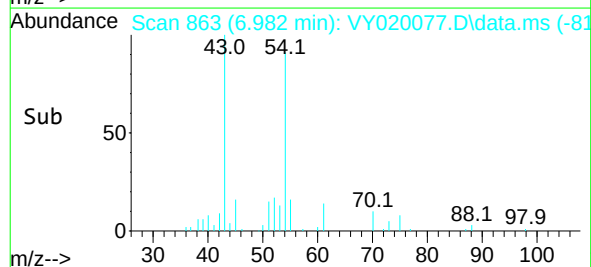
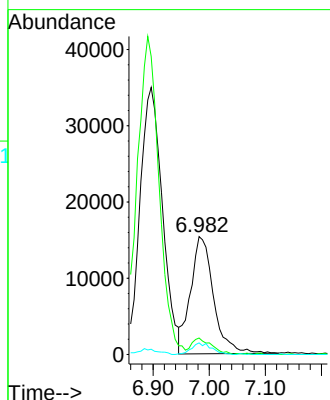
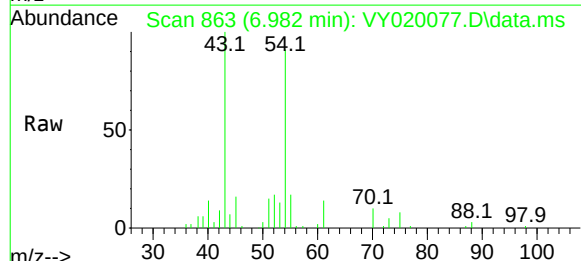
MSVOA_Y

ClientSampleId :

VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 19.600 ug/l

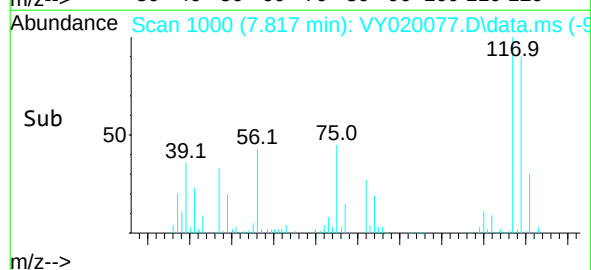
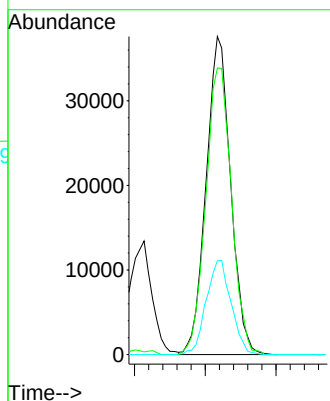
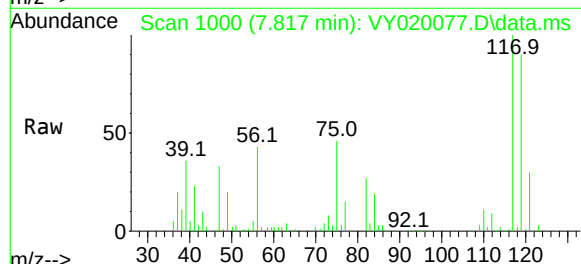
RT: 7.817 min Scan# 1000

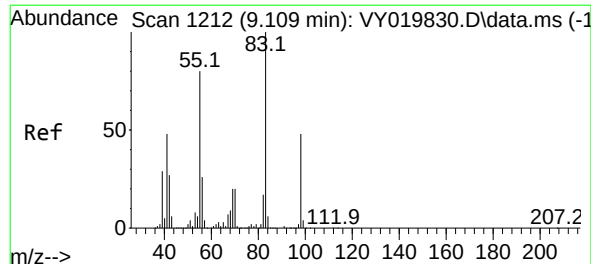
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	117	Resp:	90537
Ion	Ratio	Lower	Upper
117	100		
119	90.1	75.8	113.6
121	29.5	24.0	36.0





#39

Methylcyclohexane

Concen: 21.071 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 114400

Ion Ratio Lower Upper

83 100

55 74.9 51.5 77.3

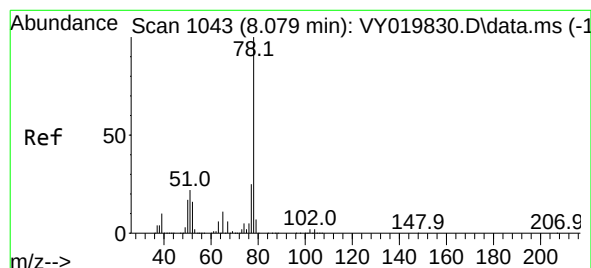
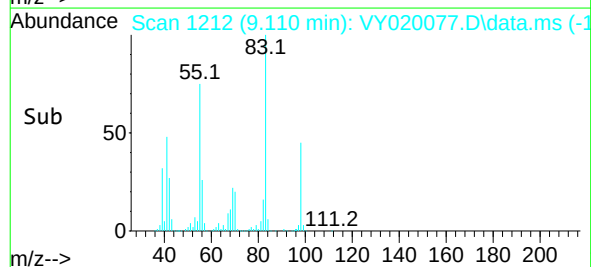
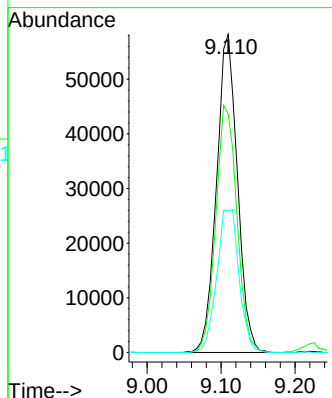
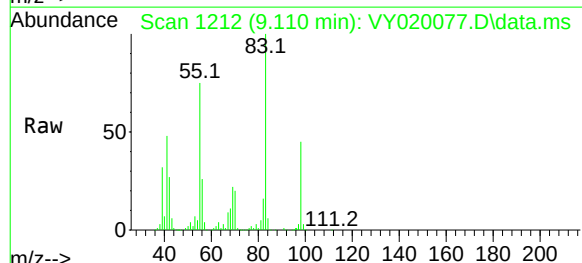
98 44.6 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#40

Benzene

Concen: 20.224 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020077.D

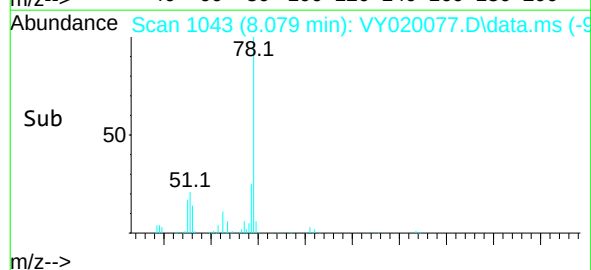
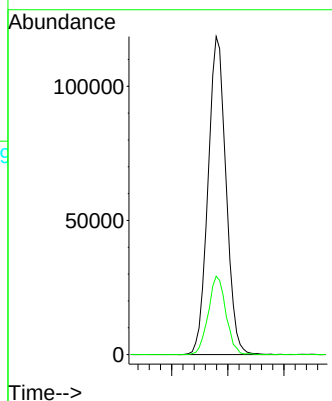
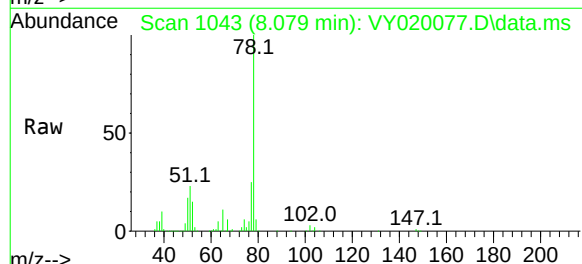
Acq: 30 Oct 2024 13:24

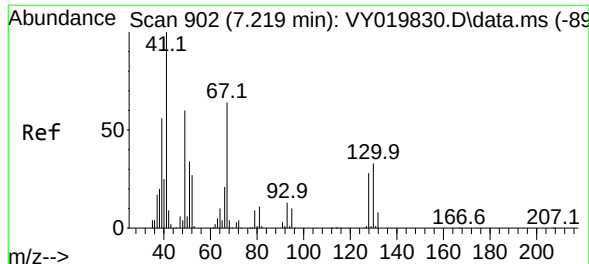
Tgt Ion: 78 Resp: 263734

Ion Ratio Lower Upper

78 100

77 24.6 19.5 29.3





#41

Methacrylonitrile

Concen: 19.561 ug/l

RT: 7.214 min Scan# 902

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 41 Resp: 23788

Ion Ratio Lower Upper

41 100

39 56.5 48.0 72.0

67 66.3 75.1 112.7#

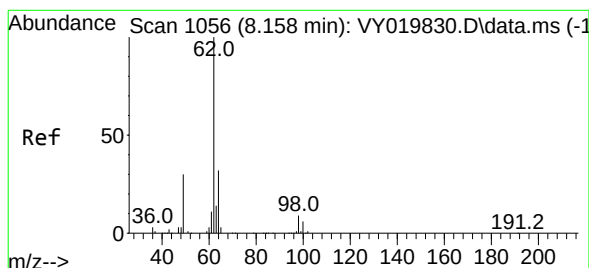
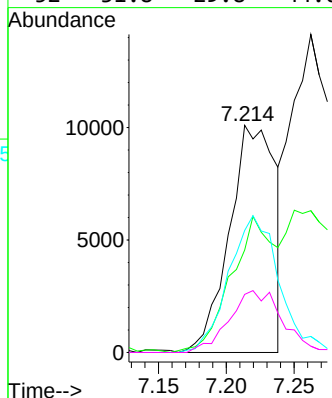
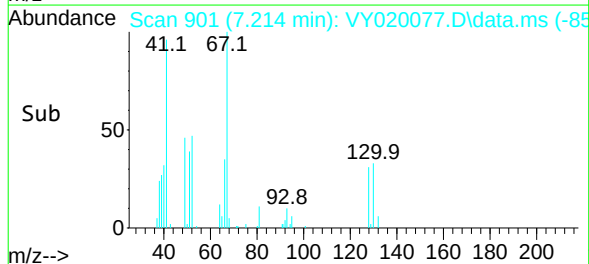
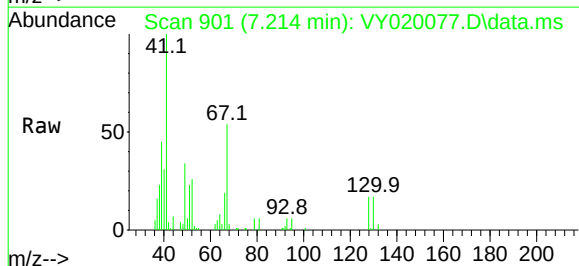
52 31.8 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#42

1,2-Dichloroethane

Concen: 19.463 ug/l

RT: 8.159 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY020077.D

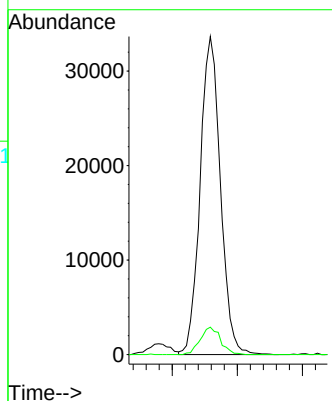
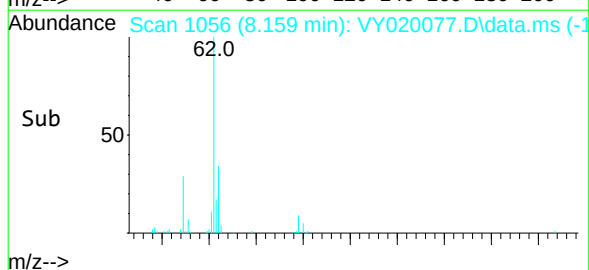
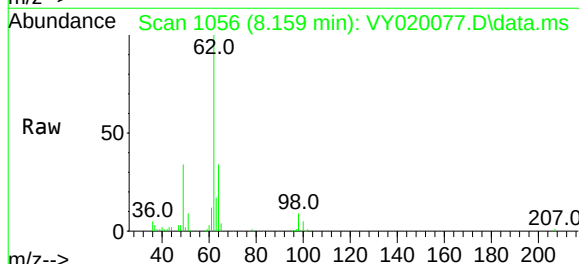
Acq: 30 Oct 2024 13:24

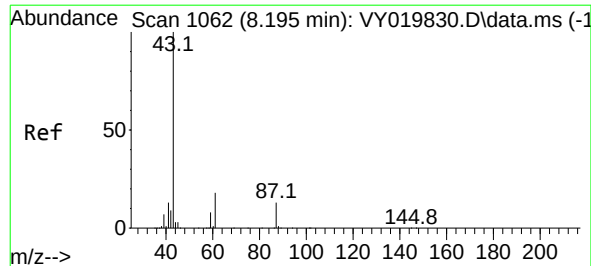
Tgt Ion: 62 Resp: 72916

Ion Ratio Lower Upper

62 100

98 8.7 0.0 22.0





#43

Isopropyl Acetate

Concen: 18.270 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

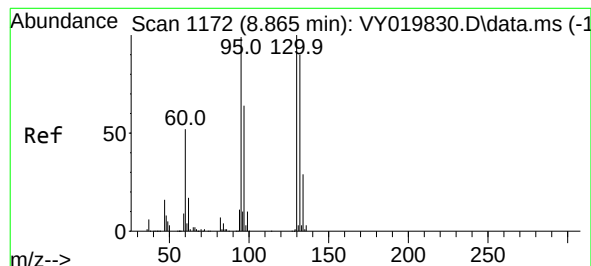
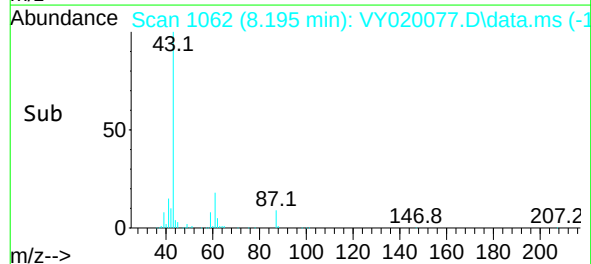
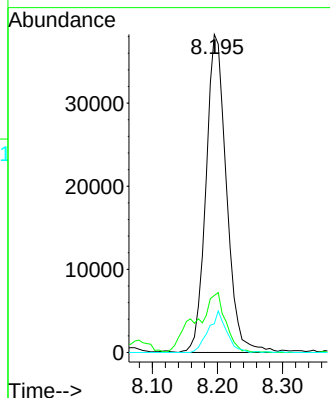
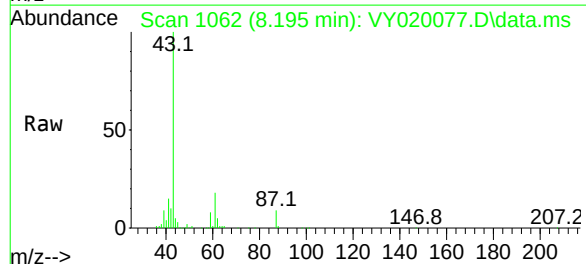
ClientSampleId :

VSTDICC020

Tgt Ion: 43	Resp: 83718
Ion Ratio Lower Upper	
43 100	
61 16.8 27.9 41.9	
87 11.5 13.1 19.7	

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 19.077 ug/l

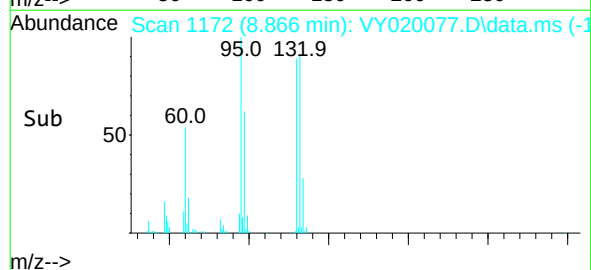
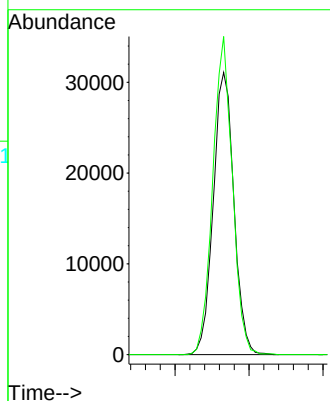
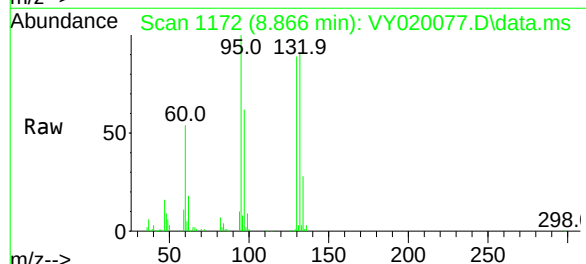
RT: 8.866 min Scan# 1172

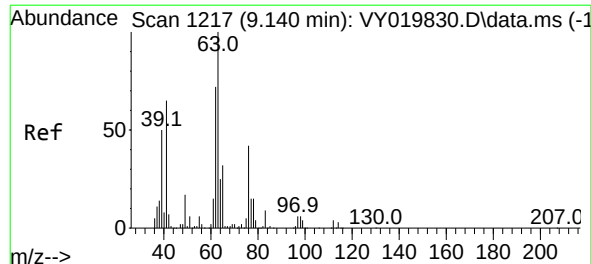
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:130	Resp: 60253
Ion Ratio Lower Upper	
130 100	
95 112.7 0.0 188.0	





#45

1,2-Dichloropropane

Concen: 19.804 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 64640

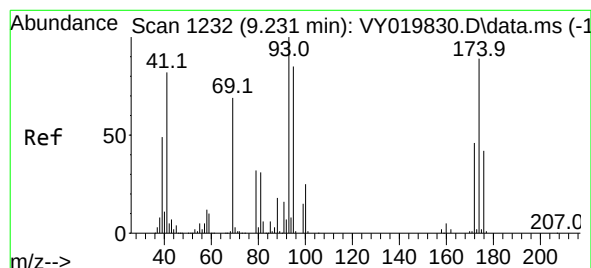
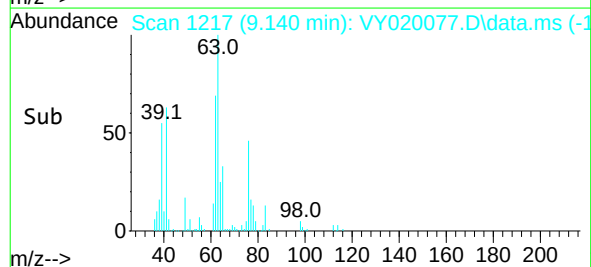
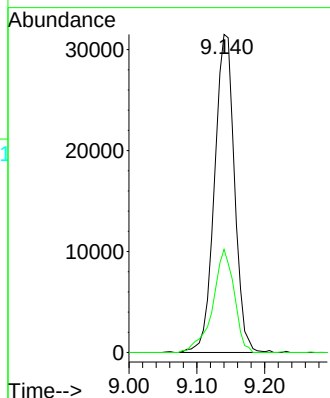
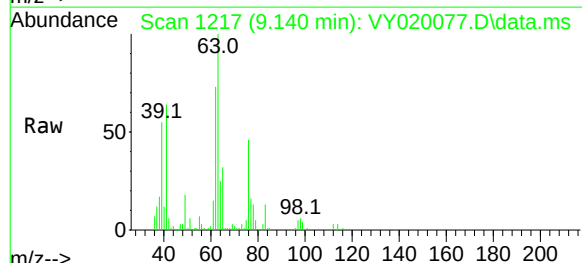
Ion Ratio Lower Upper

63 100

65 32.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#46

Dibromomethane

Concen: 19.263 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

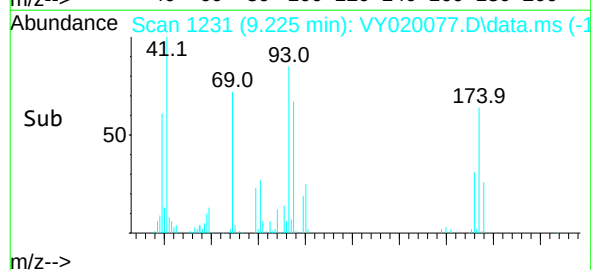
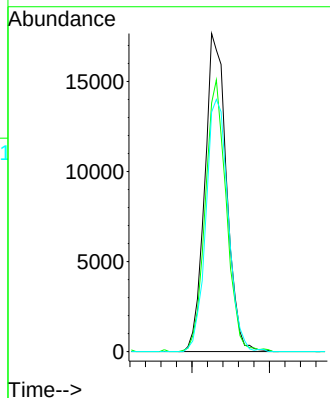
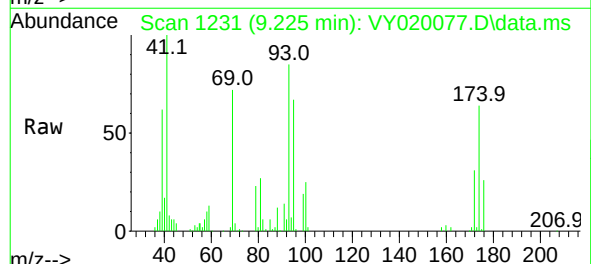
Tgt Ion: 93 Resp: 34353

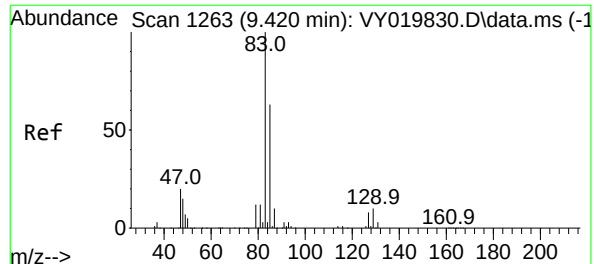
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 81.5 80.9 121.3





#47

Bromodichloromethane

Concen: 18.670 ug/l

RT: 9.427 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

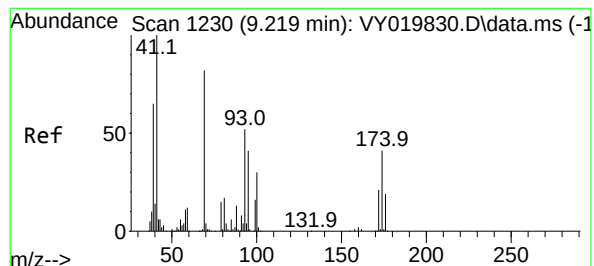
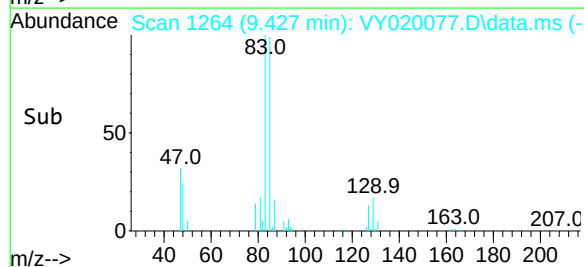
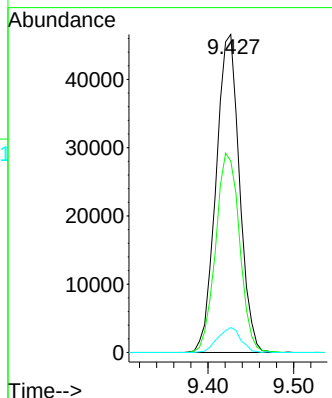
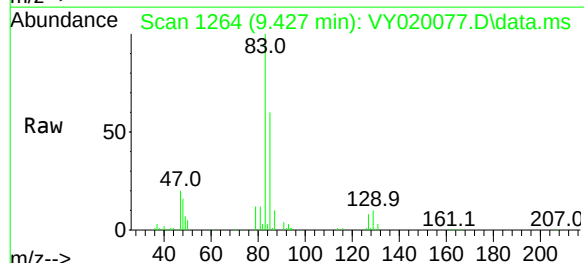
ClientSampleId :

VSTDICC020

Tgt Ion:	83	Resp:	88375
Ion	Ratio	Lower	Upper
83	100		
85	60.2	50.1	75.1
127	7.8	7.4	11.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48

Methyl methacrylate

Concen: 19.605 ug/l

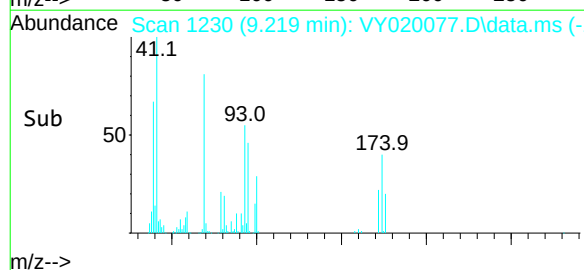
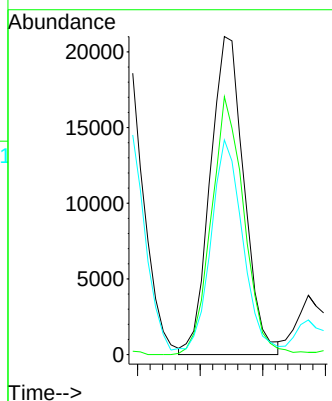
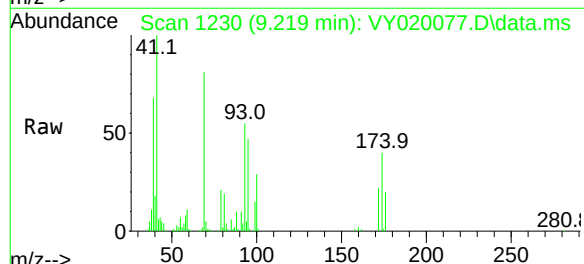
RT: 9.219 min Scan# 1230

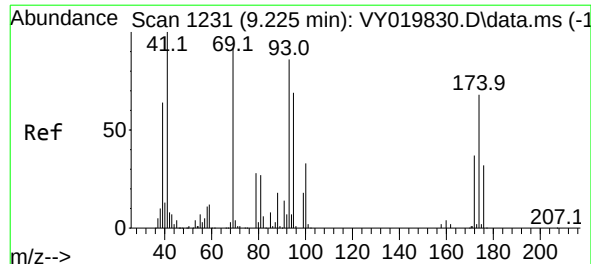
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	41	Resp:	39516
Ion	Ratio	Lower	Upper
41	100		
69	78.3	84.1	126.1
39	60.2	43.6	65.4





#49

1,4-Dioxane

Concen: 329.869 ug/l

RT: 9.238 min Scan# 12

Delta R.T. 0.007 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 6584

Ion Ratio Lower Upper

88 100

43 41.1 0.0 0.0#

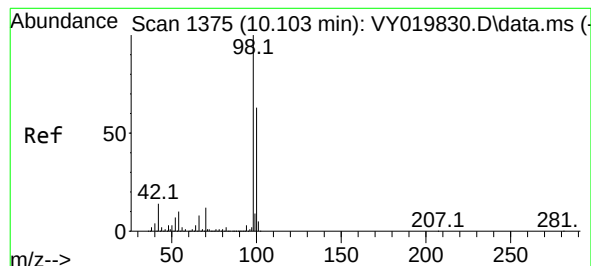
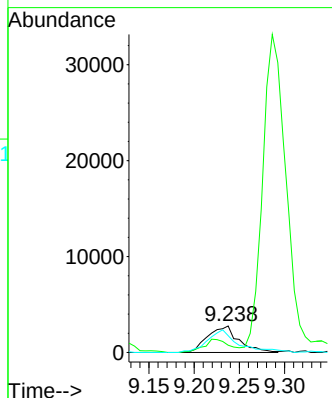
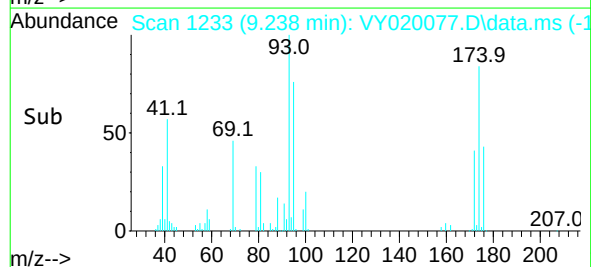
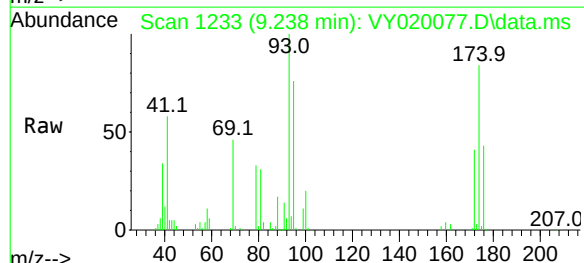
58 85.2 49.3 73.9#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#50

Toluene-d8

Concen: 19.490 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020077.D

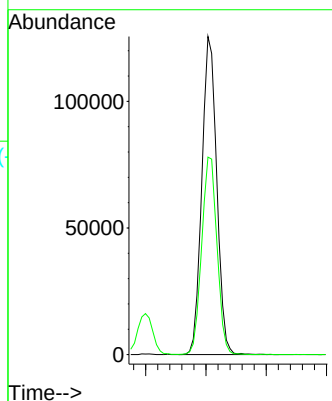
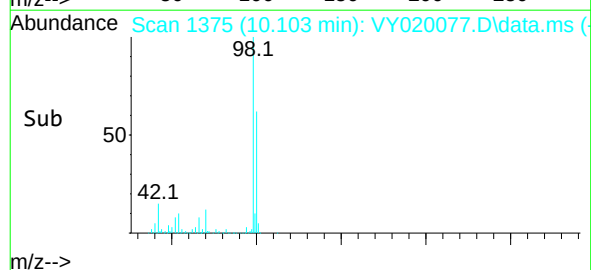
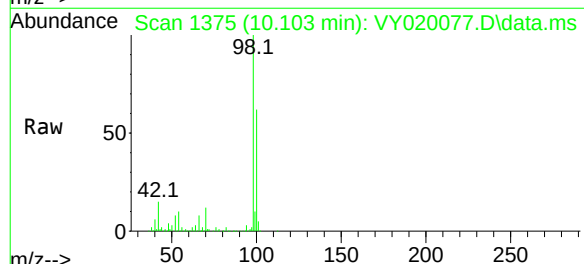
Acq: 30 Oct 2024 13:24

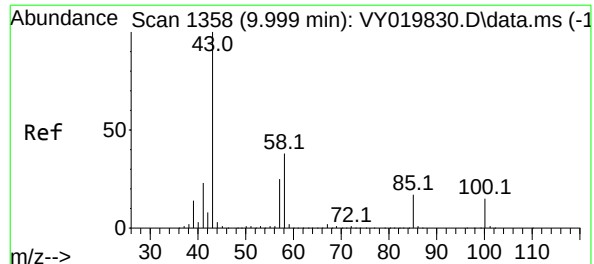
Tgt Ion: 98 Resp: 215268

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 92.417 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion: 43 Resp: 216002

Ion Ratio Lower Upper

43 100

58 36.9 35.7 53.5

Instrument :

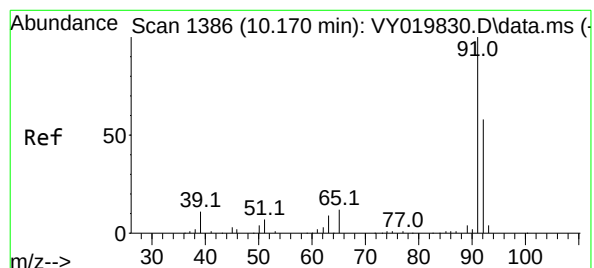
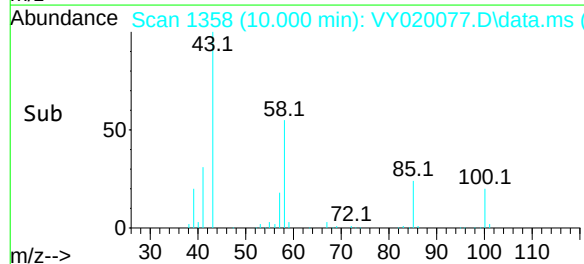
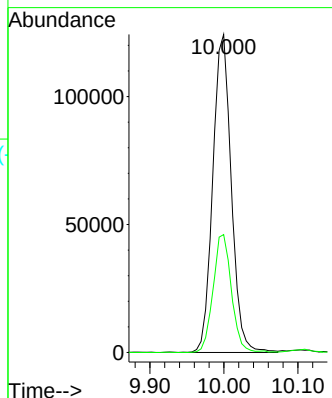
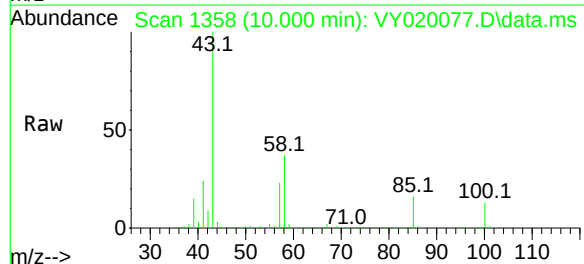
MSVOA_Y

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#52

Toluene

Concen: 20.053 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020077.D

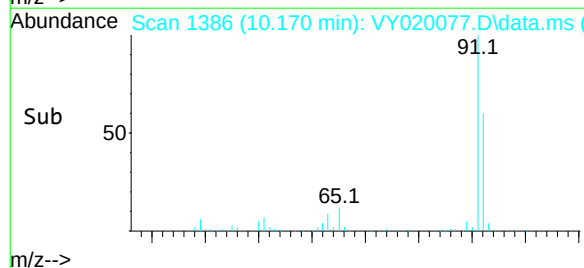
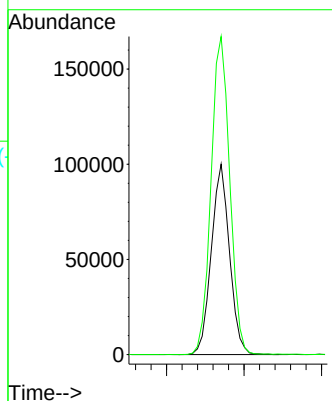
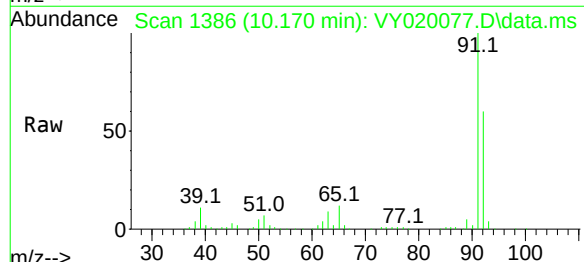
Acq: 30 Oct 2024 13:24

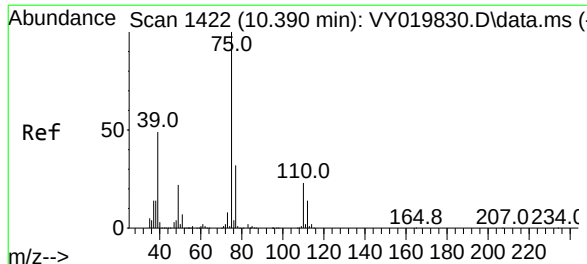
Tgt Ion: 92 Resp: 163230

Ion Ratio Lower Upper

92 100

91 171.6 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 18.573 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 79101

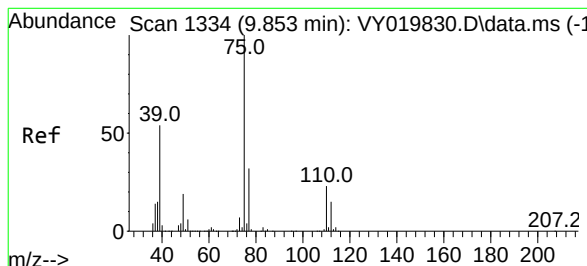
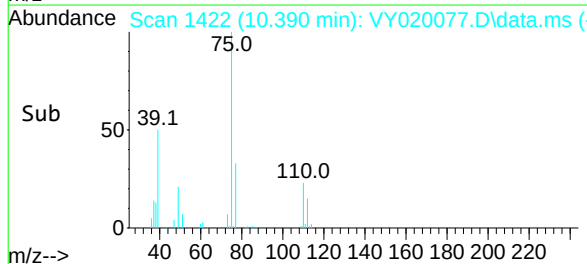
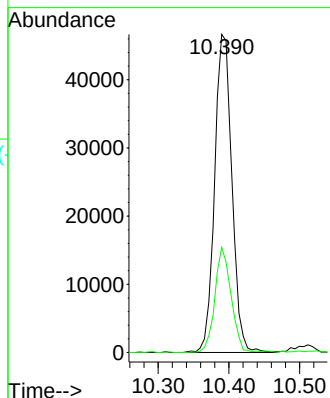
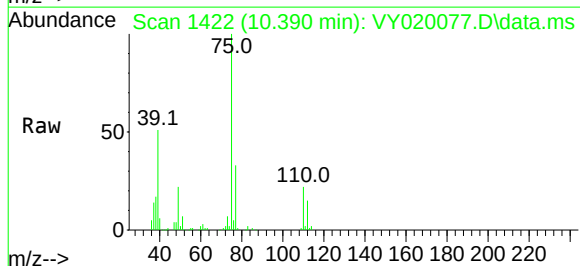
Ion Ratio Lower Upper

75 100

77 33.1 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#54

cis-1,3-Dichloropropene

Concen: 18.679 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

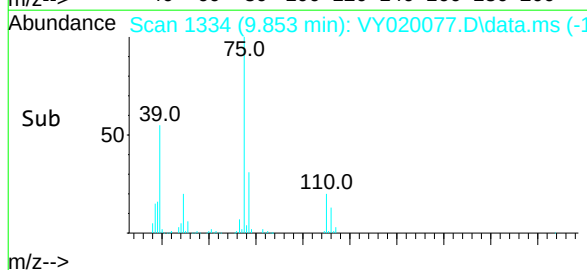
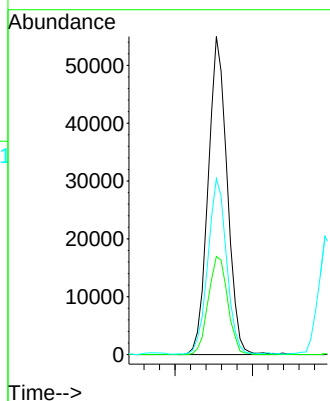
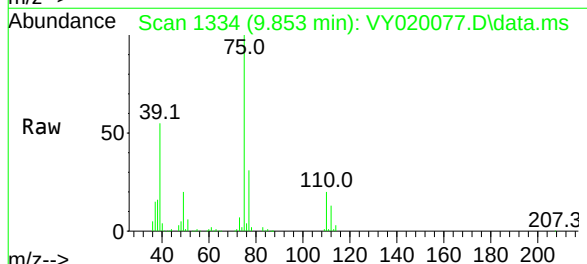
Tgt Ion: 75 Resp: 93870

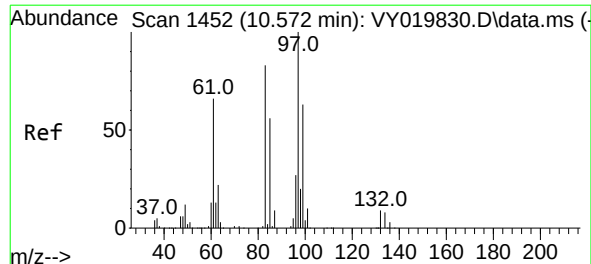
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 55.1 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 18.156 ug/l

RT: 10.567 min Scan# 1452

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 42659

Ion Ratio Lower Upper

97 100

83 87.9 67.5 101.3

85 55.3 42.9 64.3

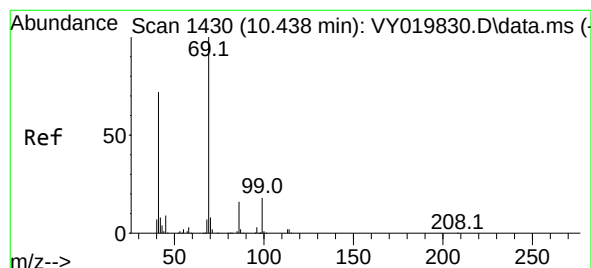
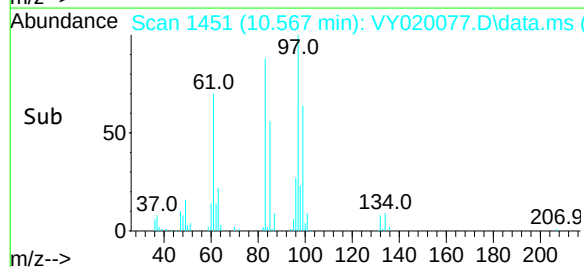
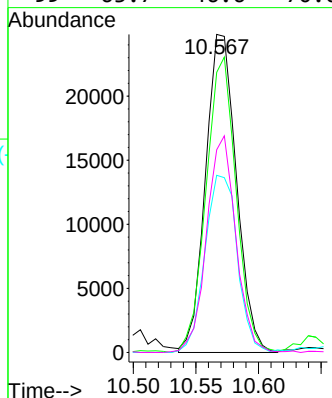
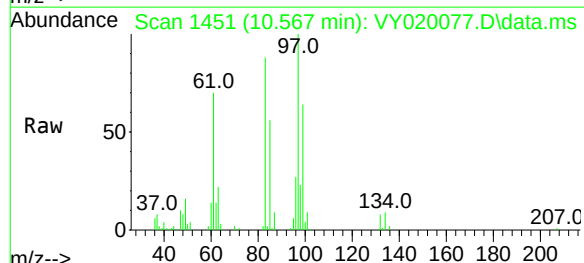
99 63.7 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#56

Ethyl methacrylate

Concen: 18.131 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

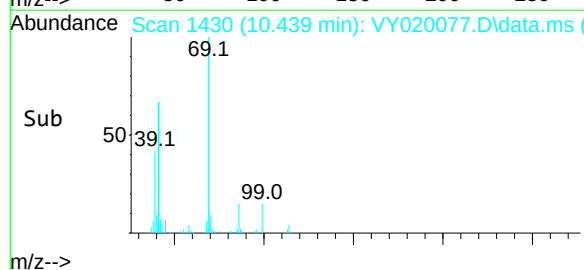
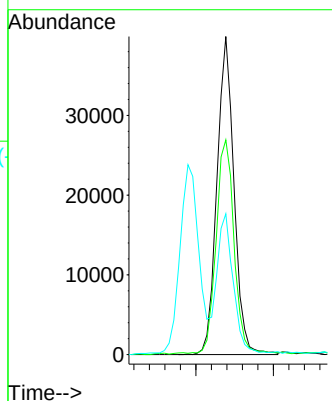
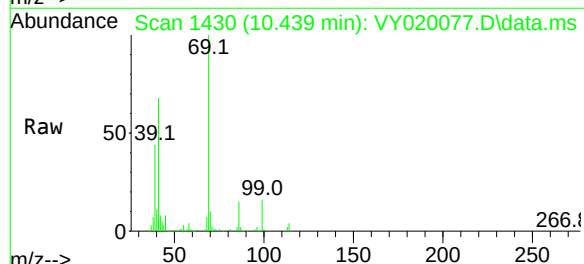
Tgt Ion: 69 Resp: 61125

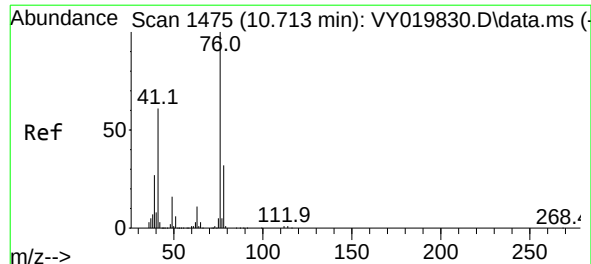
Ion Ratio Lower Upper

69 100

41 70.5 42.3 63.5#

39 42.3 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 19.250 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 79426

Ion Ratio Lower Upper

76 100

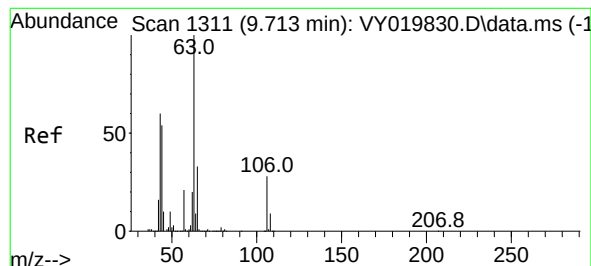
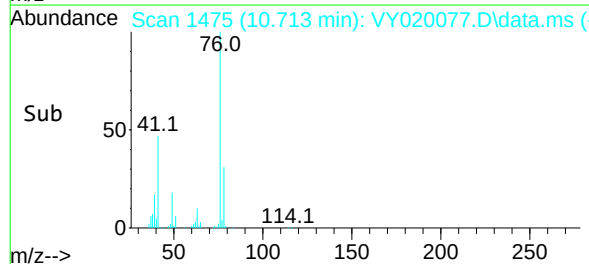
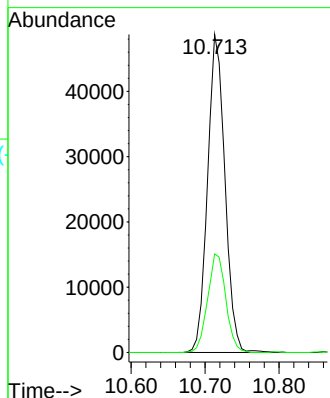
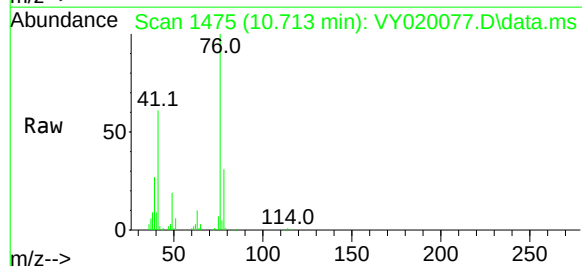
78 32.5 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#58

2-Chloroethyl Vinyl ether

Concen: 96.270 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY020077.D

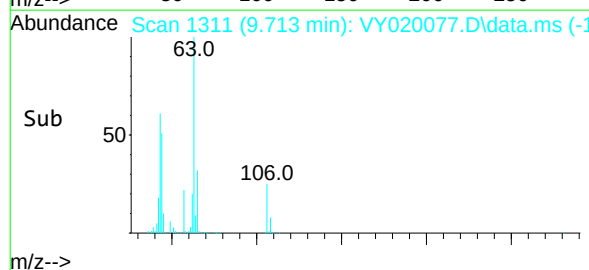
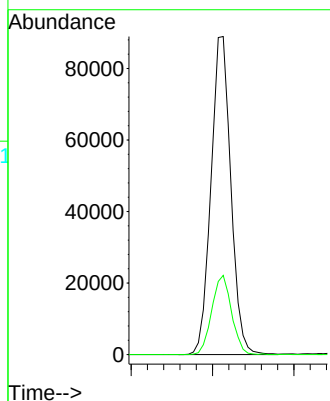
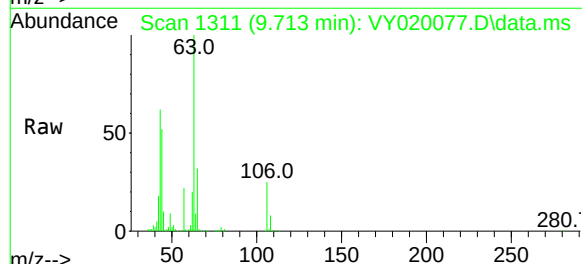
Acq: 30 Oct 2024 13:24

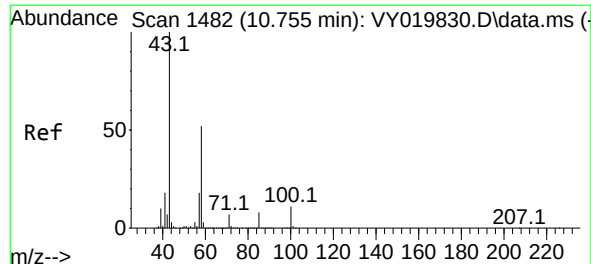
Tgt Ion: 63 Resp: 151093

Ion Ratio Lower Upper

63 100

106 24.7 23.7 35.5





#59

2-Hexanone

Concen: 91.233 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 152298

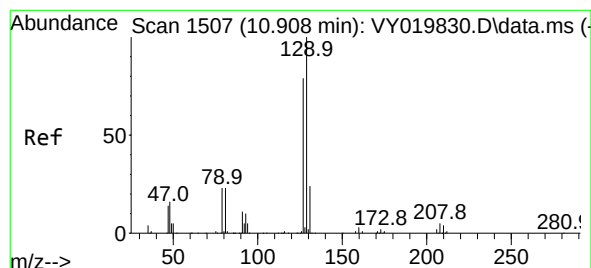
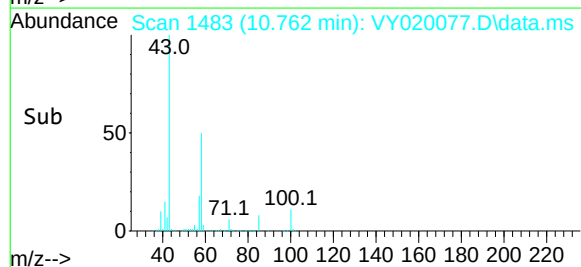
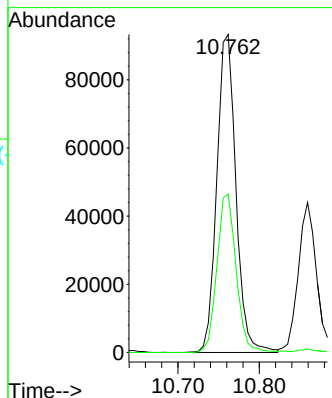
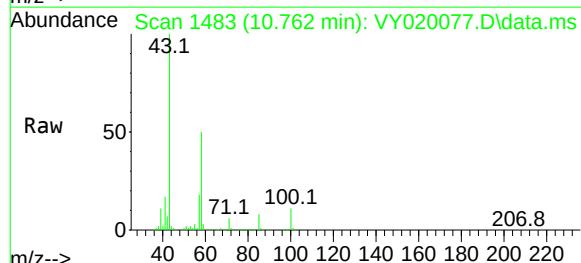
Ion Ratio Lower Upper

43 100

58 50.0 31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#60

Dibromochloromethane

Concen: 18.006 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.006 min

Lab File: VY020077.D

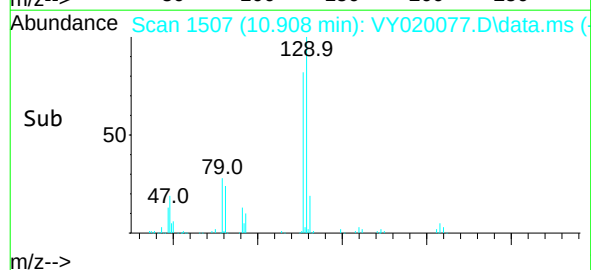
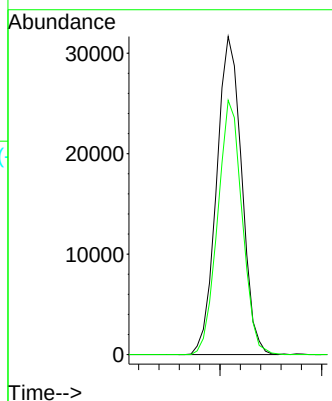
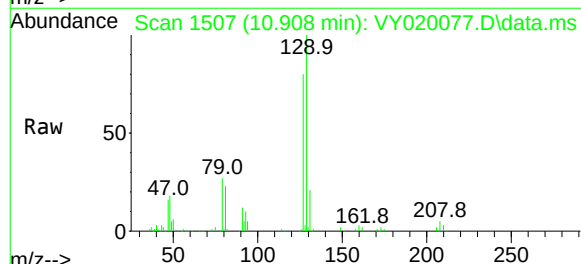
Acq: 30 Oct 2024 13:24

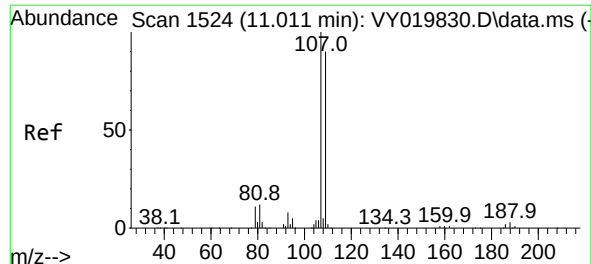
Tgt Ion:129 Resp: 54301

Ion Ratio Lower Upper

129 100

127 78.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 18.348 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:107 Resp: 38956

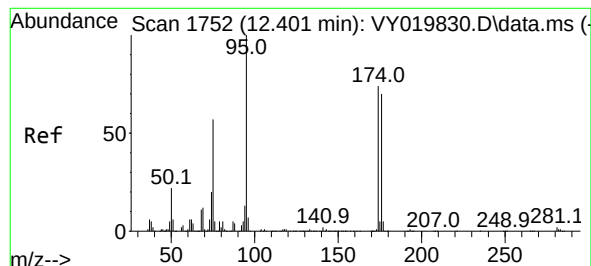
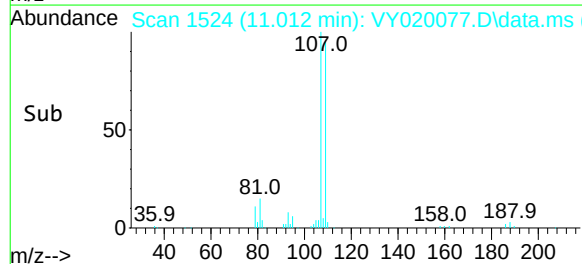
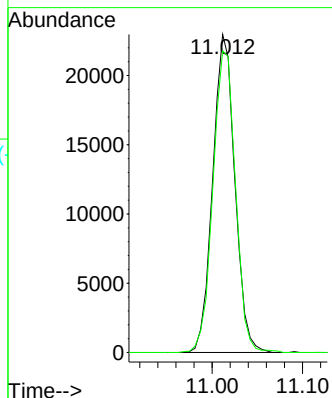
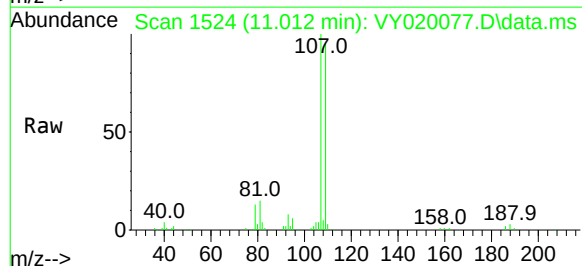
Ion Ratio Lower Upper

107 100

109 97.1 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#62

4-Bromofluorobenzene

Concen: 17.097 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

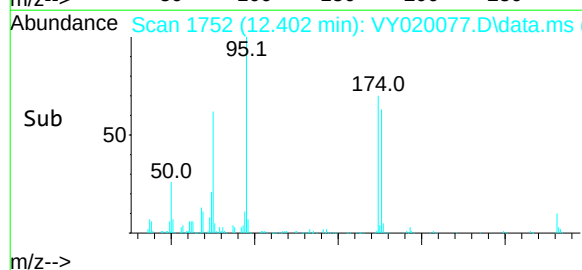
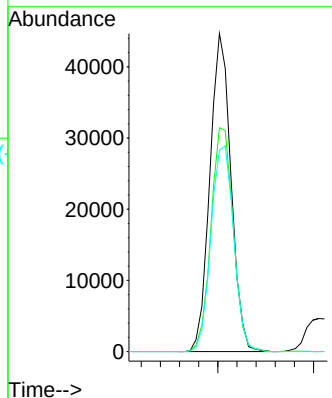
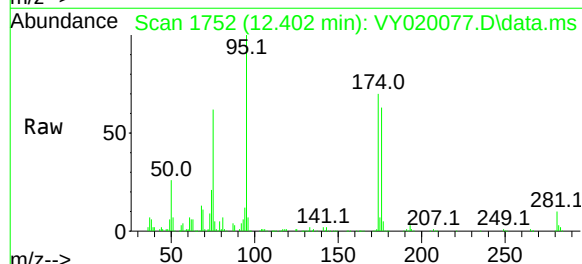
Tgt Ion: 95 Resp: 68234

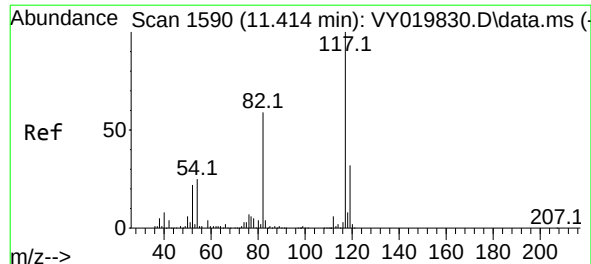
Ion Ratio Lower Upper

95 100

174 74.4 0.0 175.6

176 70.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion:117 Resp: 386871

Ion Ratio Lower Upper

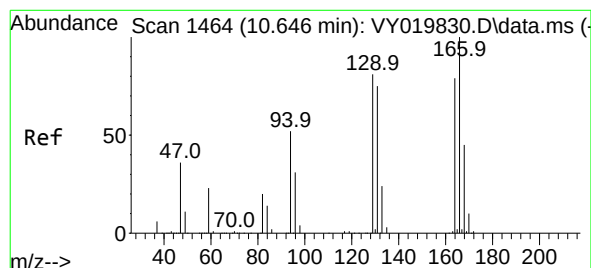
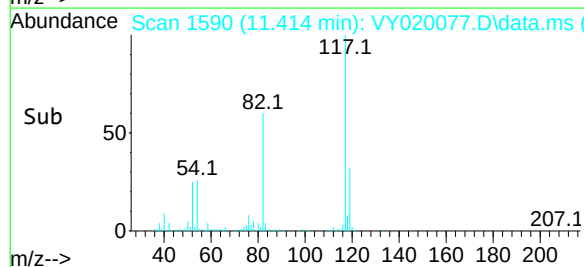
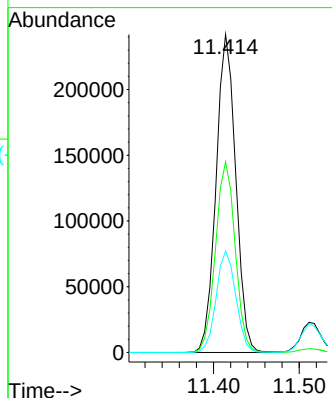
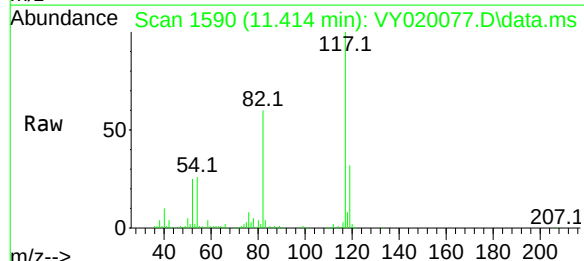
117 100

82 59.9 42.4 63.6

119 31.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#64

Tetrachloroethene

Concen: 19.362 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:164 Resp: 53279

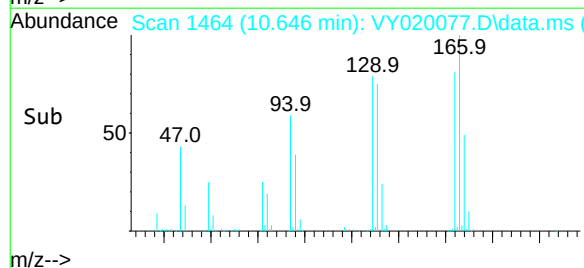
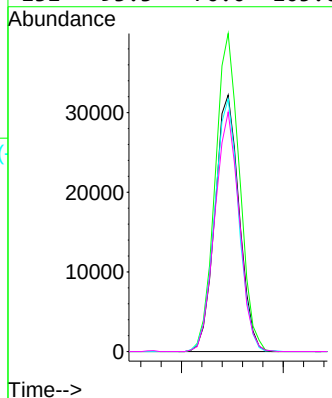
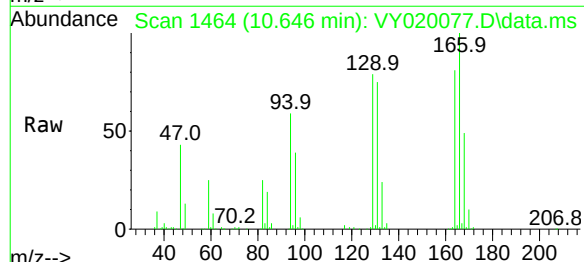
Ion Ratio Lower Upper

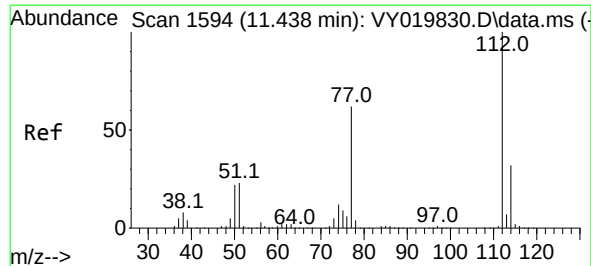
164 100

166 123.9 102.6 154.0

129 98.4 72.0 108.0

131 93.3 70.0 105.0





#65

Chlorobenzene

Concen: 19.138 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion:112 Resp: 169342

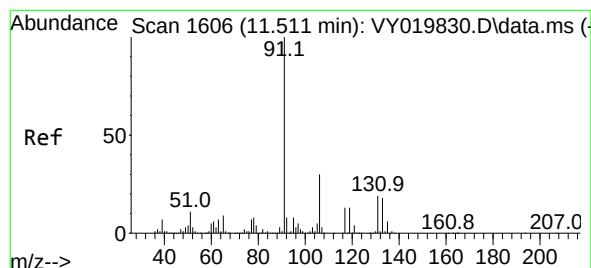
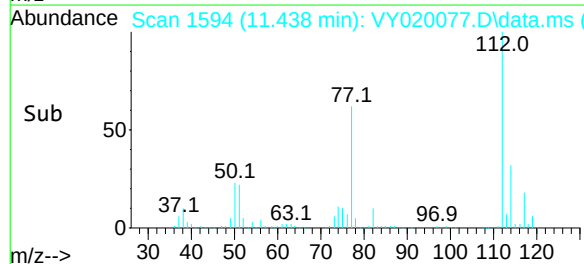
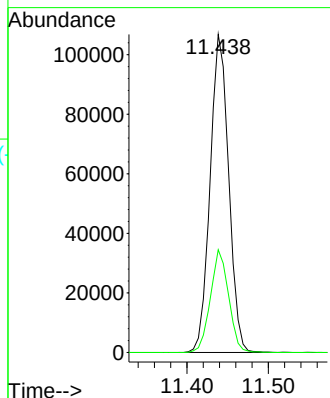
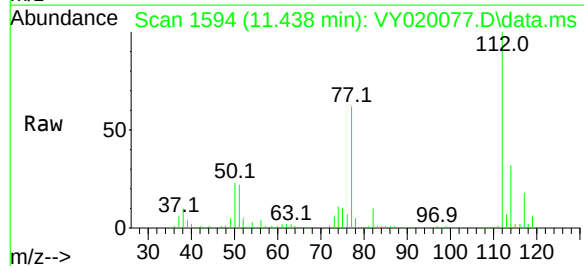
Ion Ratio Lower Upper

112 100

114 32.3 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#66

1,1,1,2-Tetrachloroethane

Concen: 17.843 ug/l

RT: 11.512 min Scan# 1606

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

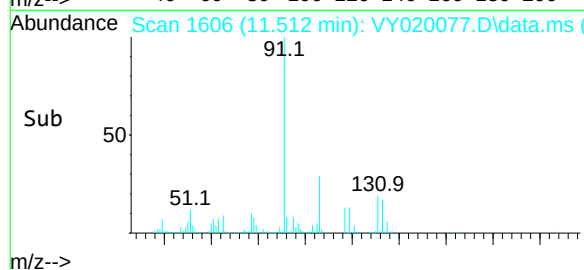
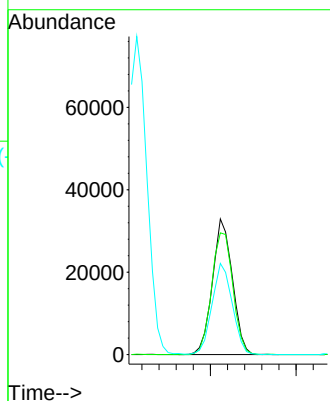
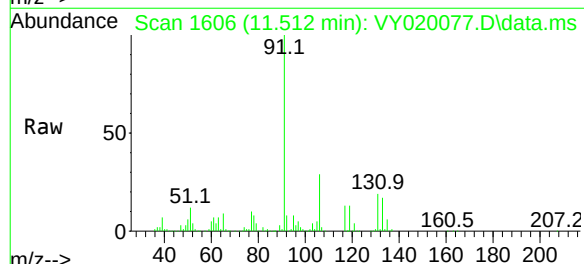
Tgt Ion:131 Resp: 53419

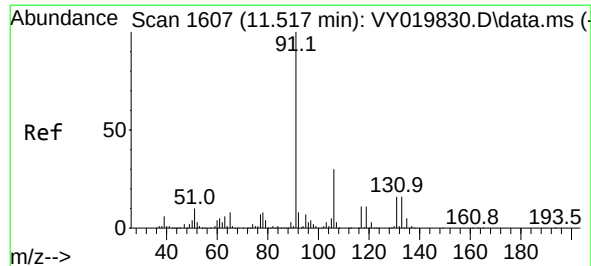
Ion Ratio Lower Upper

131 100

133 95.2 47.8 143.3

119 68.0 34.1 102.2





#67

Ethyl Benzene

Concen: 19.403 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 311877

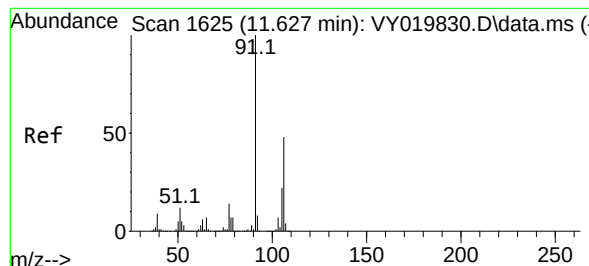
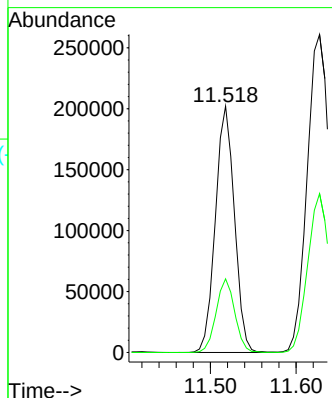
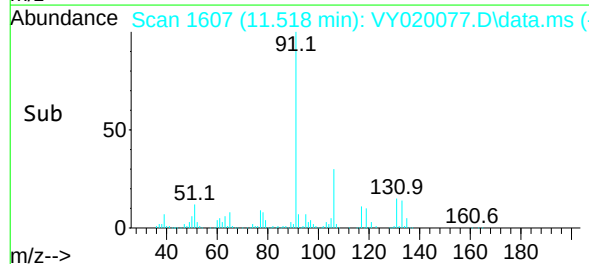
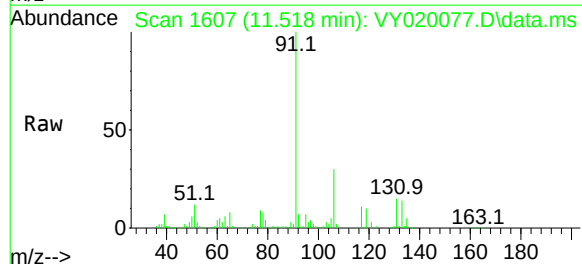
Ion Ratio Lower Upper

91 100

106 29.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#68

m/p-Xylenes

Concen: 38.705 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020077.D

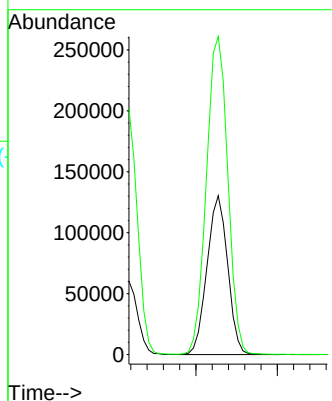
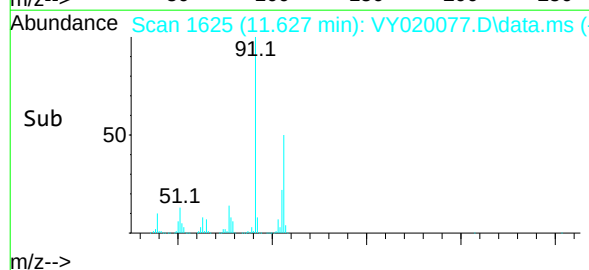
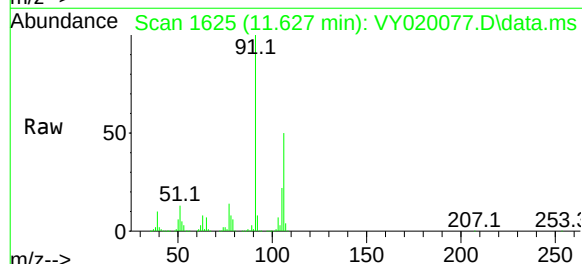
Acq: 30 Oct 2024 13:24

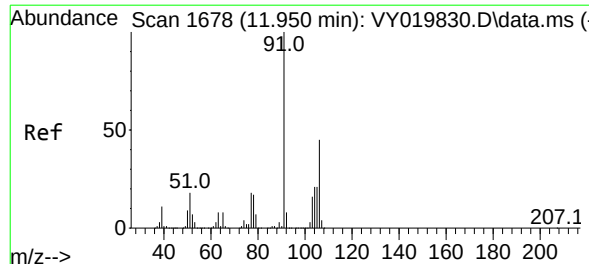
Tgt Ion:106 Resp: 229769

Ion Ratio Lower Upper

106 100

91 207.3 156.0 234.0





#69

o-Xylene

Concen: 18.617 ug/l

RT: 11.951 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion:106 Resp: 106187

Ion Ratio Lower Upper

106 100

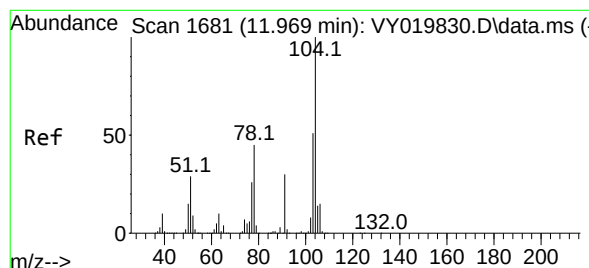
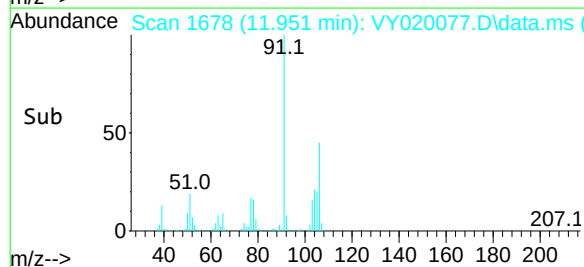
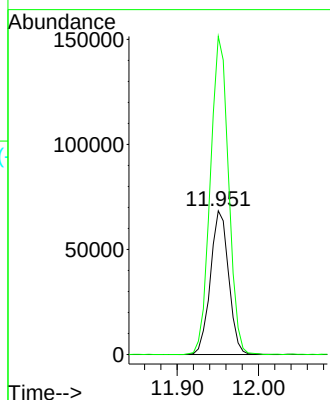
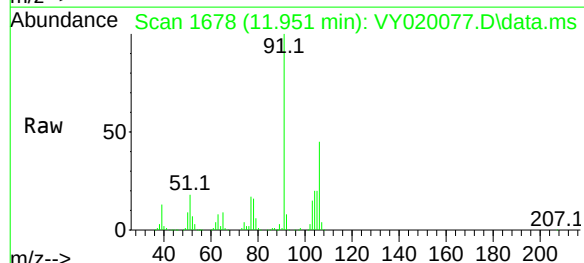
91 221.7 103.6 310.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#70

Styrene

Concen: 18.555 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

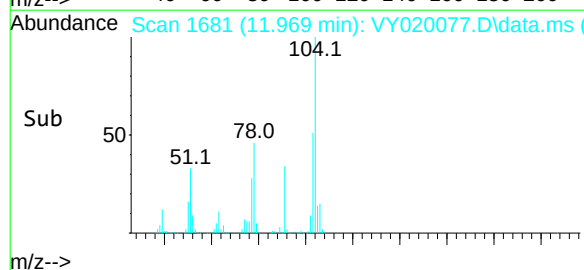
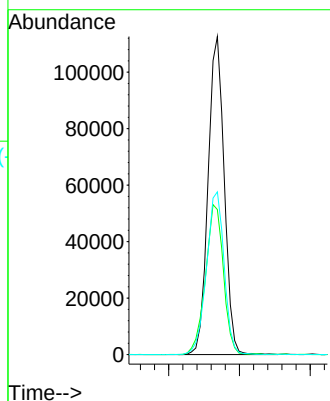
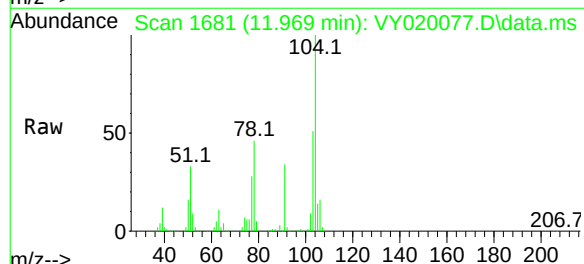
Tgt Ion:104 Resp: 178553

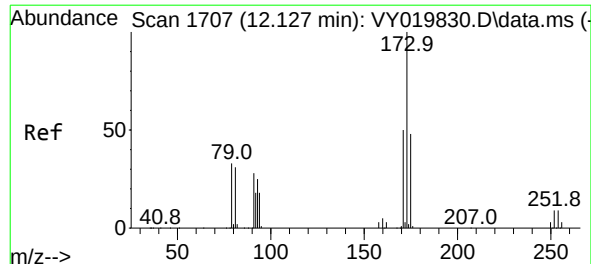
Ion Ratio Lower Upper

104 100

78 52.3 37.0 55.4

103 55.9 44.2 66.2





#71

Bromoform

Concen: 16.660 ug/l

RT: 12.133 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

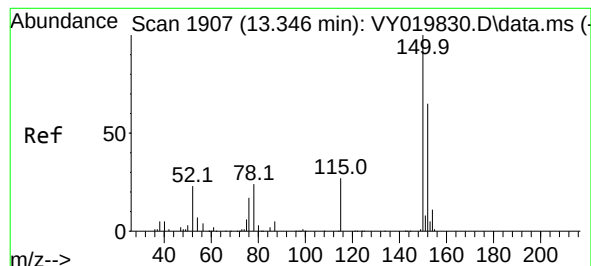
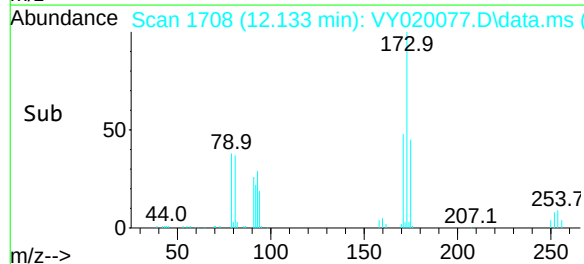
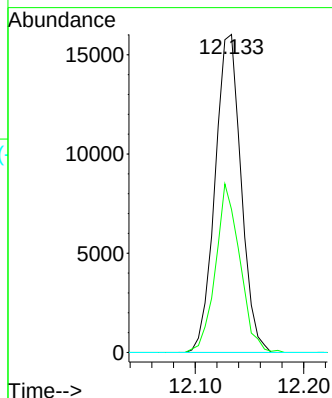
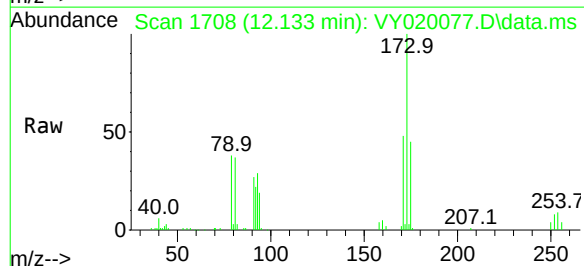
ClientSampleId :

VSTDICC020

Tgt Ion:	173	Resp:	26700
Ion Ratio	Lower	Upper	
173	100		
175	49.5	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

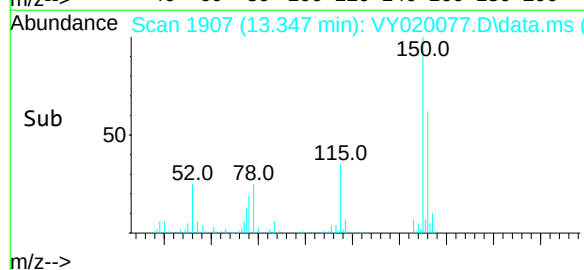
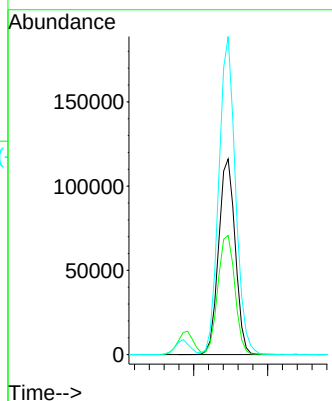
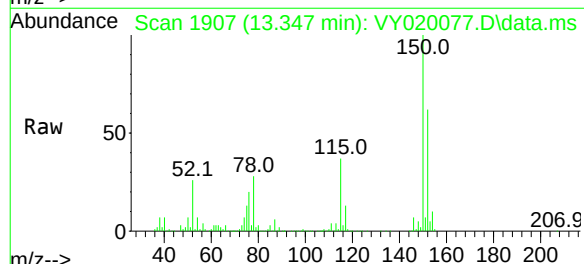
RT: 13.347 min Scan# 1907

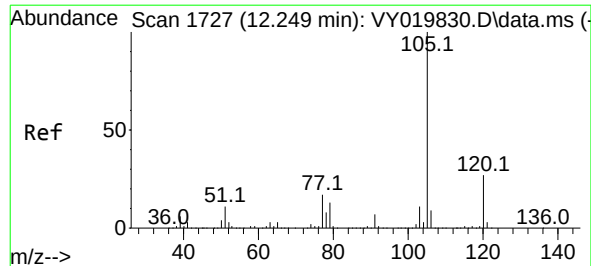
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	152	Resp:	180601
Ion Ratio	Lower	Upper	
152	100		
115	62.7	28.2	84.7
150	163.5	0.0	345.6





#73

Isopropylbenzene

Concen: 18.999 ug/l

RT: 12.255 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 105 Resp: 288608

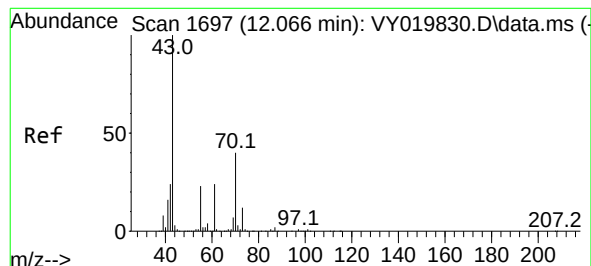
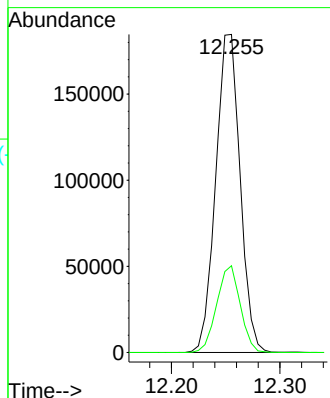
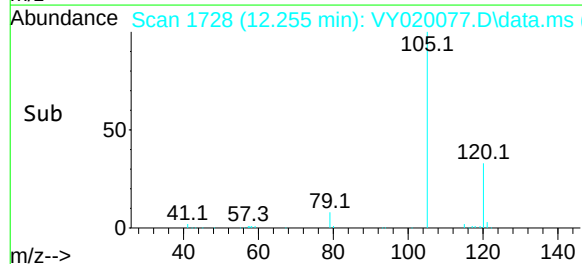
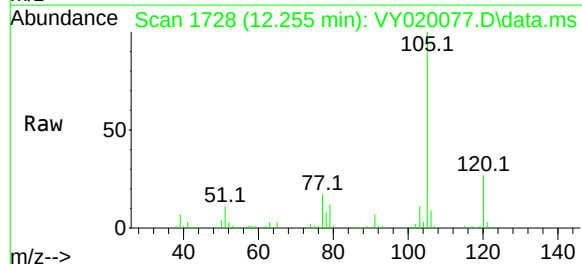
Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#74

N-ethyl acetate

Concen: 18.029 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion: 43 Resp: 72538

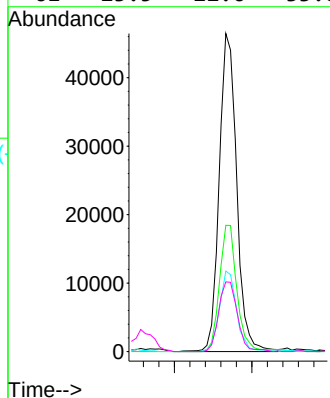
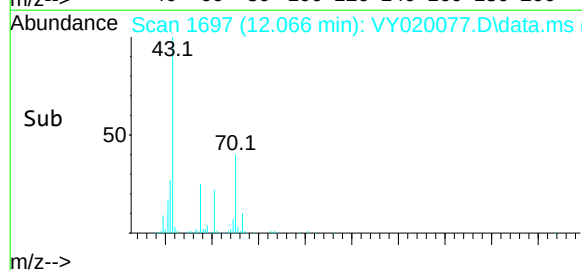
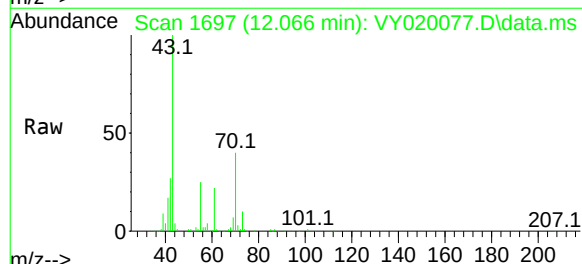
Ion Ratio Lower Upper

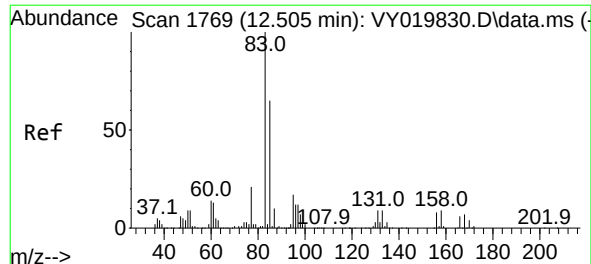
43 100

70 40.1 41.4 62.2#

55 25.6 23.3 34.9

61 23.5 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.691 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

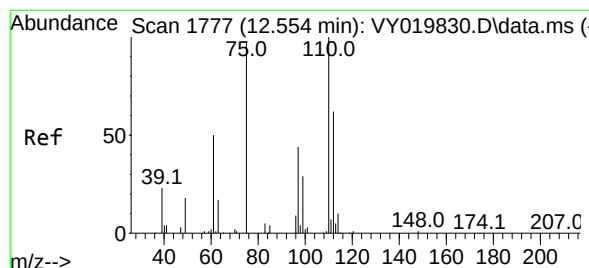
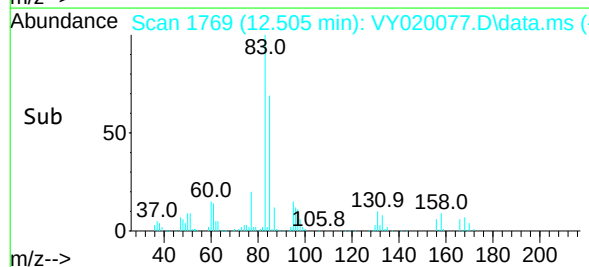
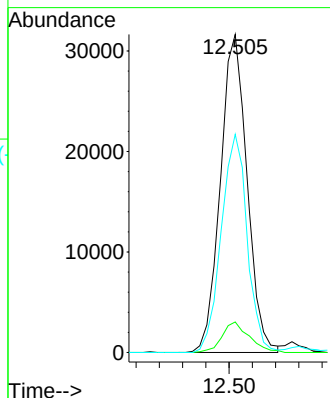
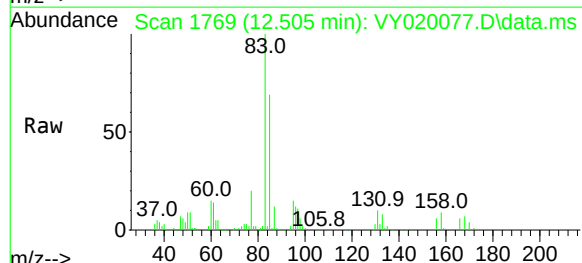
ClientSampleId :

VSTDICC020

Tgt Ion:	83	Resp:	50452
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	66.5	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 9.780 ug/l m

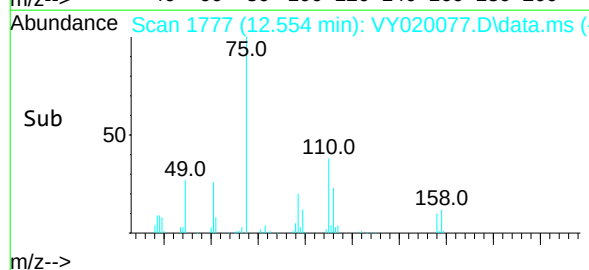
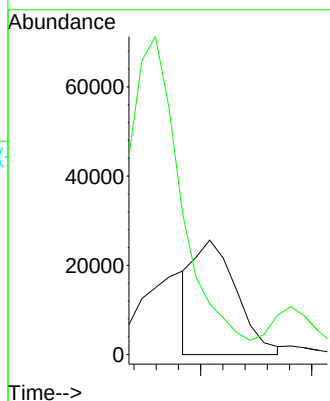
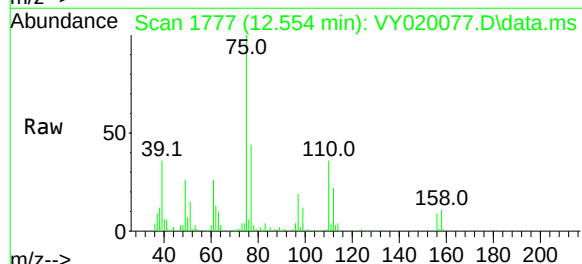
RT: 12.554 min Scan# 1777

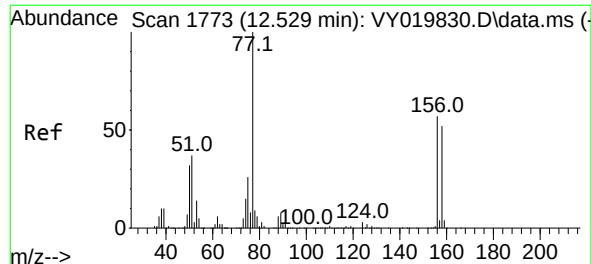
Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	75	Resp:	34602
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.052 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

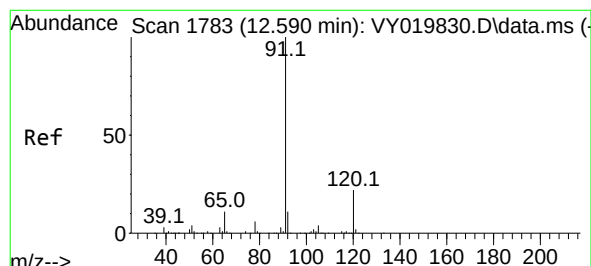
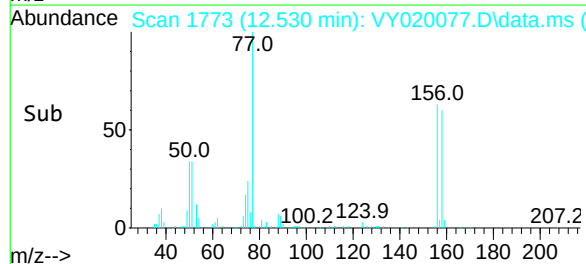
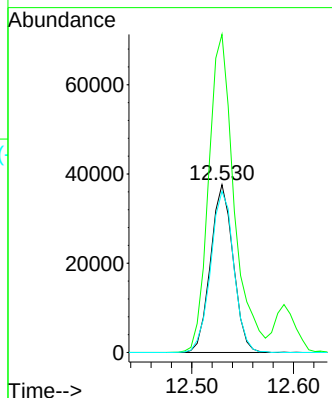
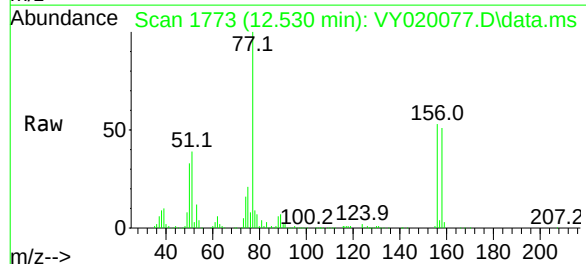
ClientSampleId :

VSTDICC020

Tgt Ion:	156	Resp:	58191
Ion Ratio	Lower	Upper	
156	100		
77	213.4	87.1	261.3
158	98.5	48.6	145.9

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#78

n-propylbenzene

Concen: 19.871 ug/l

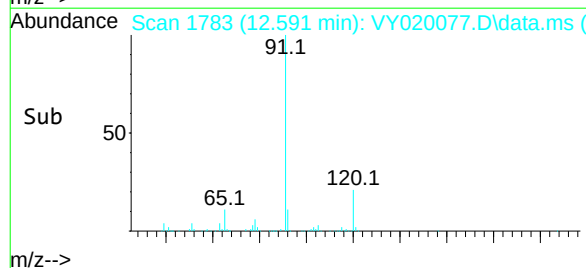
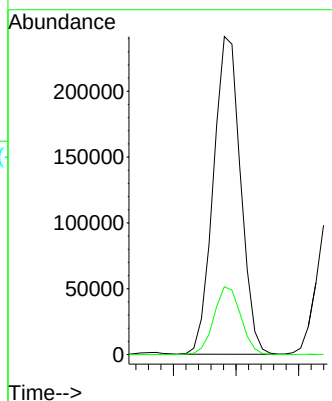
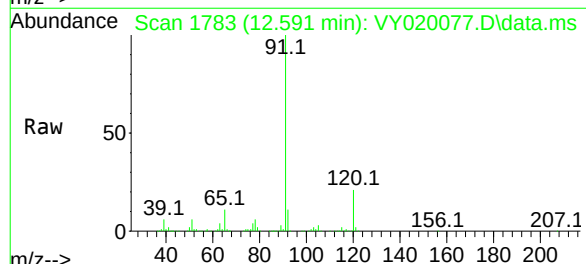
RT: 12.591 min Scan# 1783

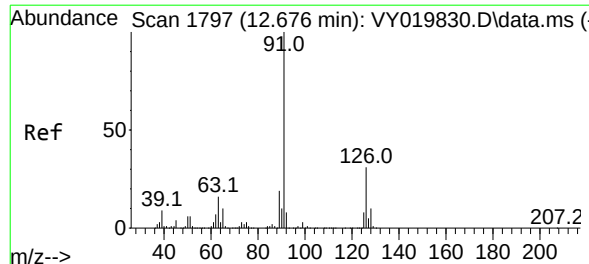
Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	91	Resp:	364746
Ion Ratio	Lower	Upper	
91	100		
120	21.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 19.043 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 200389

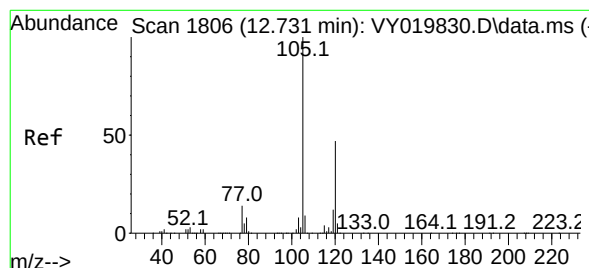
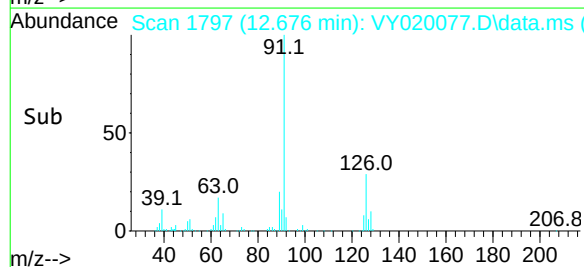
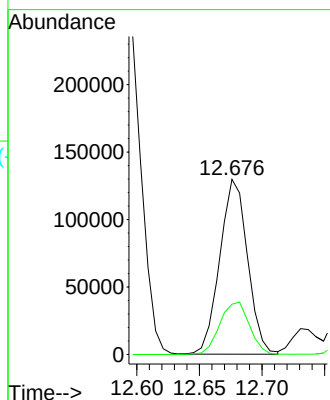
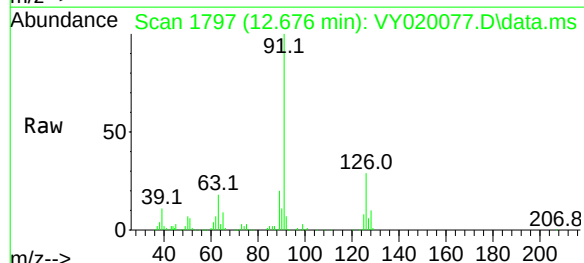
Ion Ratio Lower Upper

91 100

126 32.0 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#80

1,3,5-Trimethylbenzene

Concen: 19.257 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY020077.D

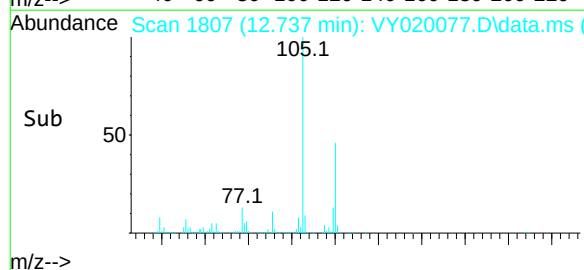
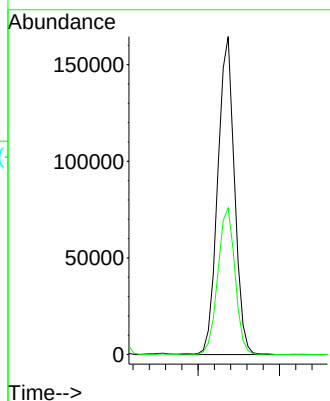
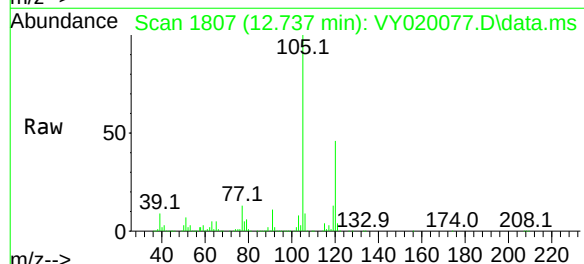
Acq: 30 Oct 2024 13:24

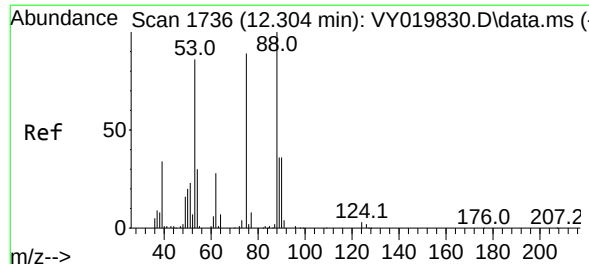
Tgt Ion:105 Resp: 236250

Ion Ratio Lower Upper

105 100

120 47.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.428 ug/l

RT: 12.304 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

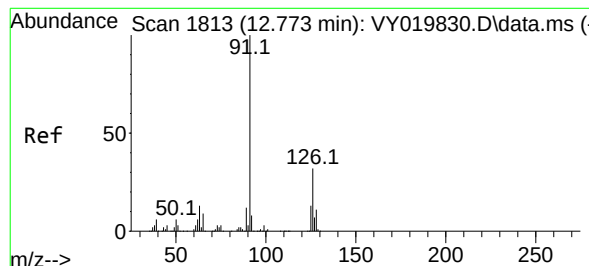
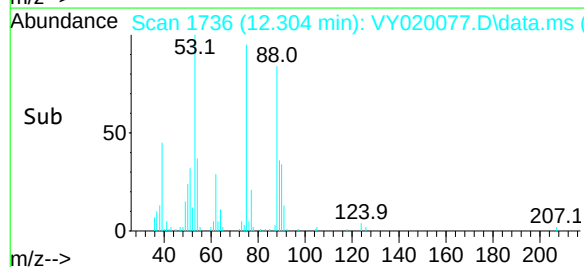
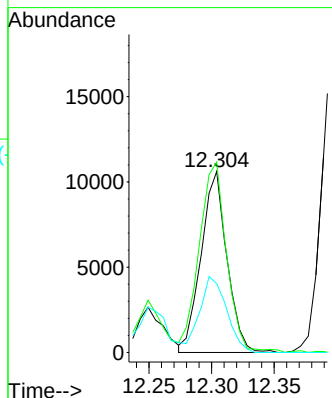
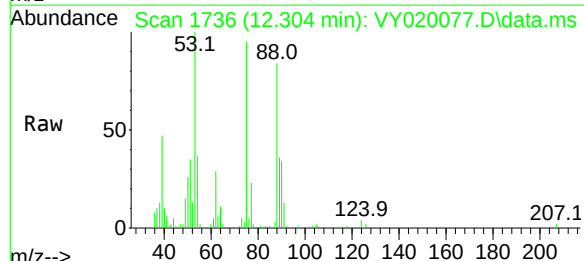
ClientSampleId :

VSTDICC020

Tgt Ion:	75	Resp:	15276
Ion	Ratio	Lower	Upper
75	100		
53	109.7	66.8	100.2
89	43.0	35.8	53.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#82

4-Chlorotoluene

Concen: 19.273 ug/l

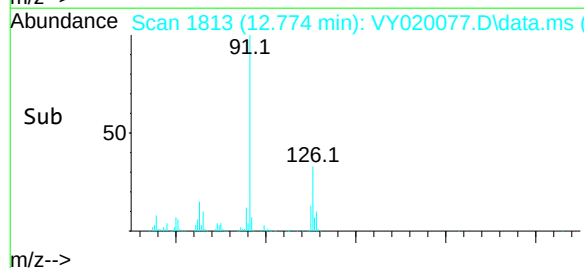
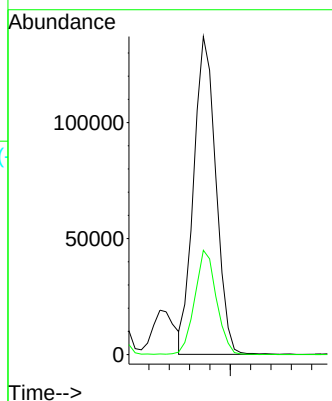
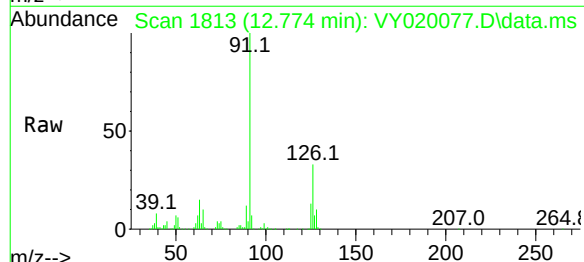
RT: 12.774 min Scan# 1813

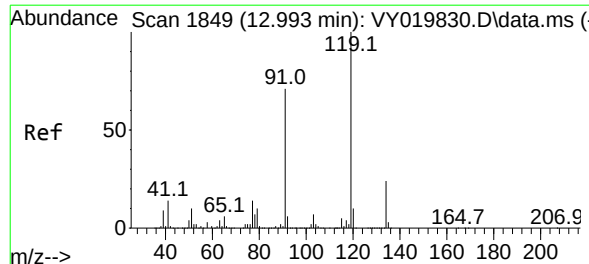
Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	91	Resp:	207370
Ion	Ratio	Lower	Upper
91	100		
126	32.2	17.6	52.9





#83

tert-Butylbenzene

Concen: 18.393 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

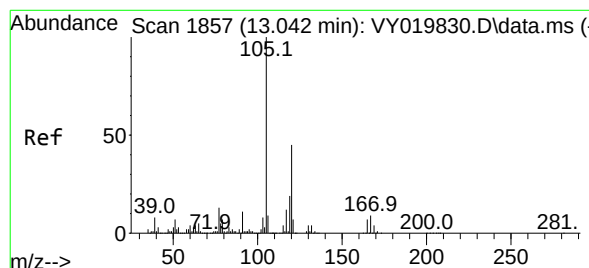
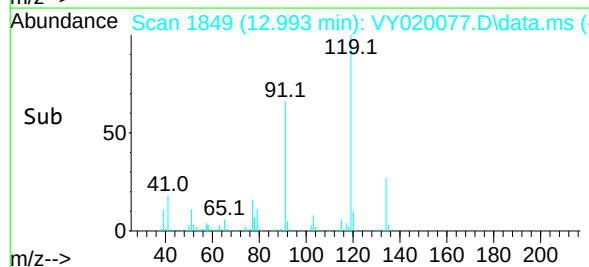
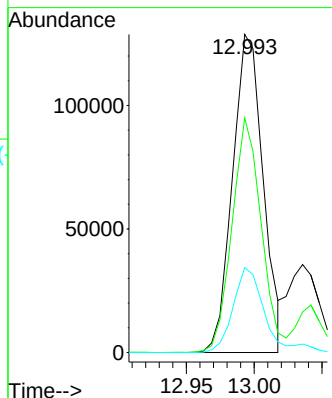
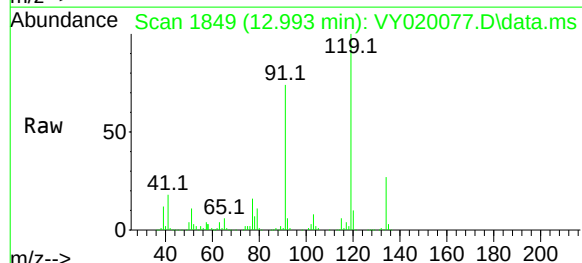
ClientSampleId :

VSTDICC020

Tgt Ion:	119	Resp:	202147
Ion	Ratio	Lower	Upper
119	100		
91	70.5	31.3	93.8
134	27.7	13.4	40.1

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Supervised By :Mahesh Dadoda 11/01/2024



#84

1,2,4-Trimethylbenzene

Concen: 19.026 ug/l

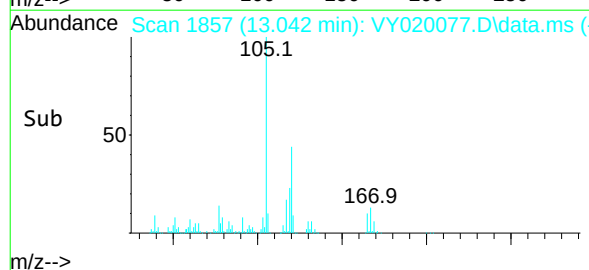
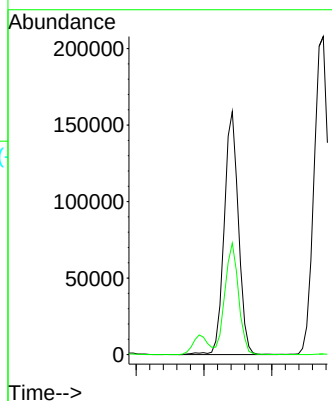
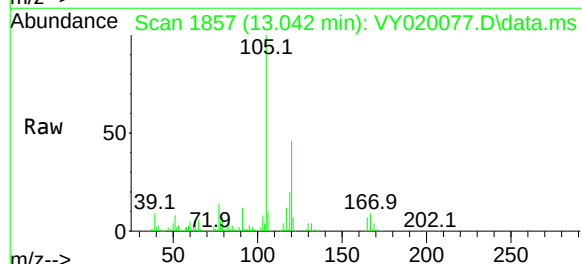
RT: 13.042 min Scan# 1857

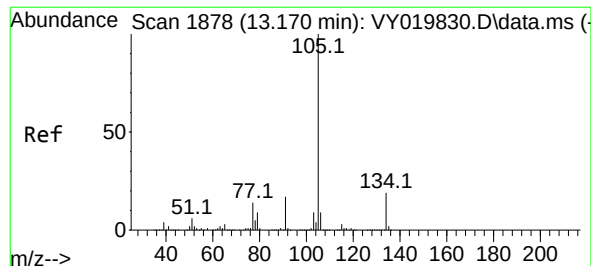
Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	105	Resp:	231420
Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.2	69.6





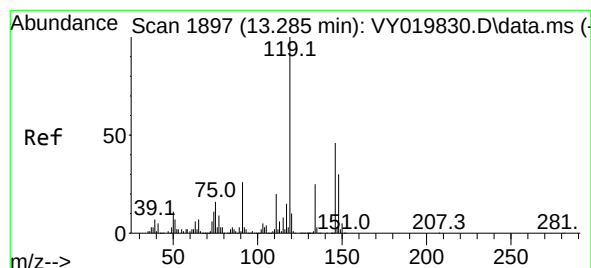
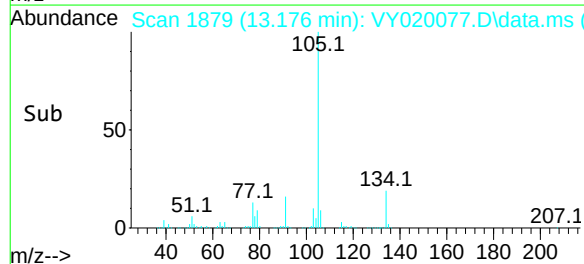
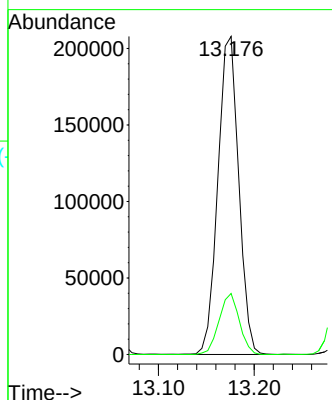
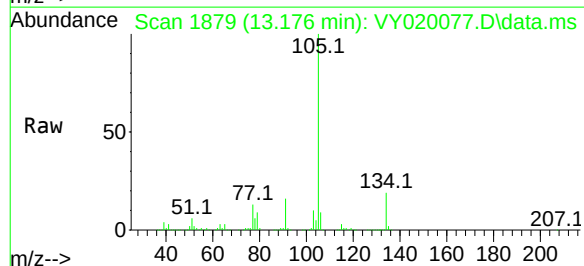
#85
sec-Butylbenzene
Concen: 19.136 ug/l
RT: 13.176 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 314228
Ion Ratio Lower Upper
105 100
134 18.7 10.1 30.1

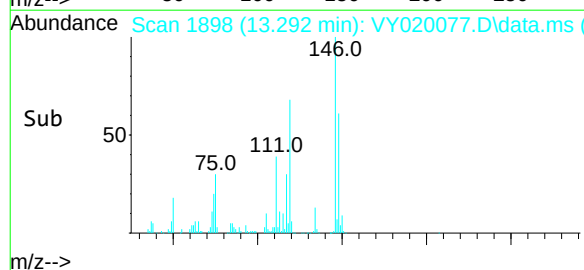
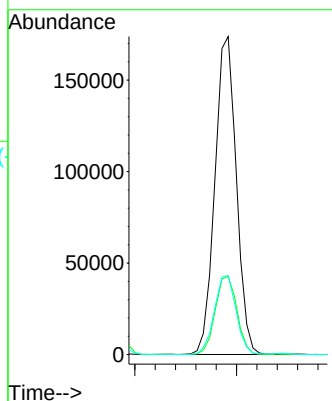
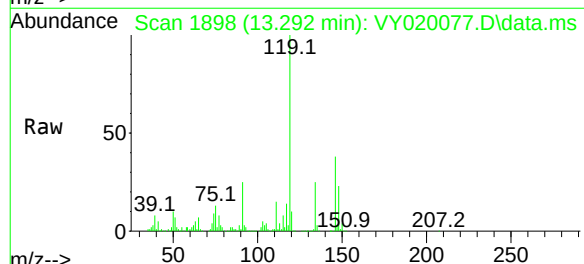
Manual Integrations
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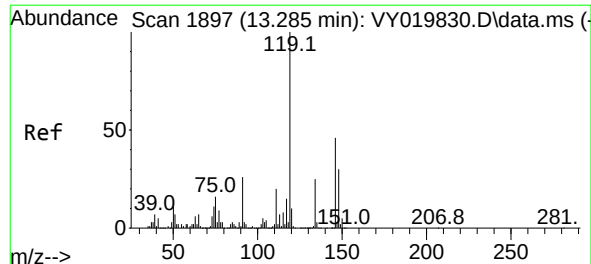
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#86
p-Isopropyltoluene
Concen: 19.079 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020077.D
Acq: 30 Oct 2024 13:24

Tgt Ion:119 Resp: 254400
Ion Ratio Lower Upper
119 100
134 25.0 13.1 39.3
91 25.3 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 18.646 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

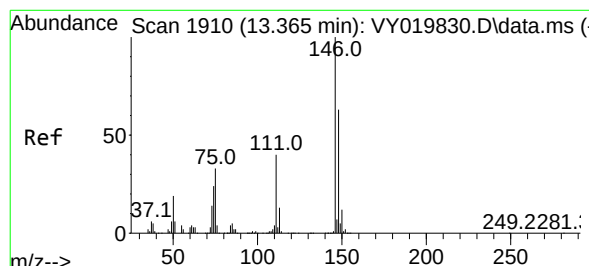
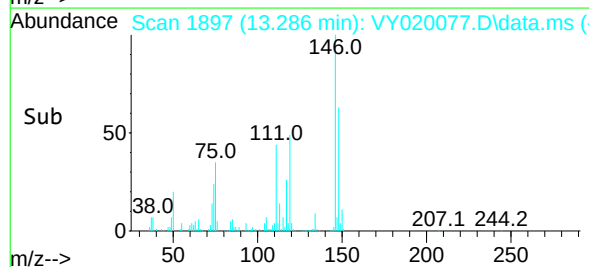
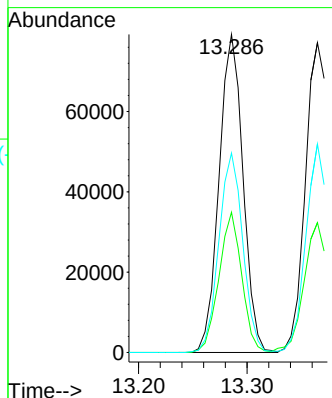
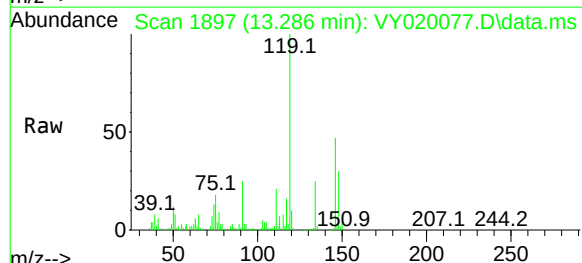
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	121383
Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.0	57.0
148	62.8	31.7	95.1

Manual Integrations
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Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

Concen: 18.668 ug/l

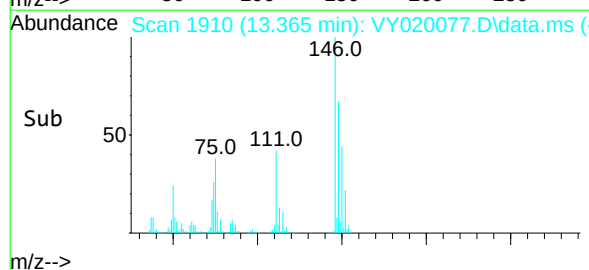
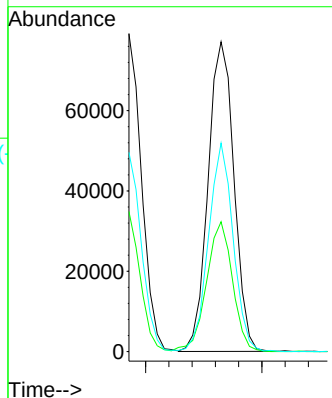
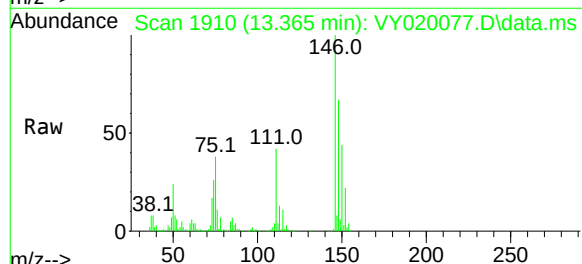
RT: 13.365 min Scan# 1910

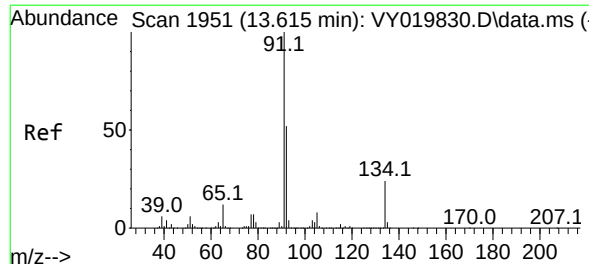
Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	146	Resp:	119390
Ion	Ratio	Lower	Upper
146	100		
111	42.0	18.4	55.4
148	64.1	32.4	97.2





#89

n-Butylbenzene

Concen: 19.605 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

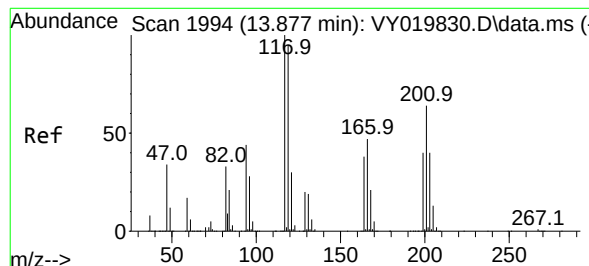
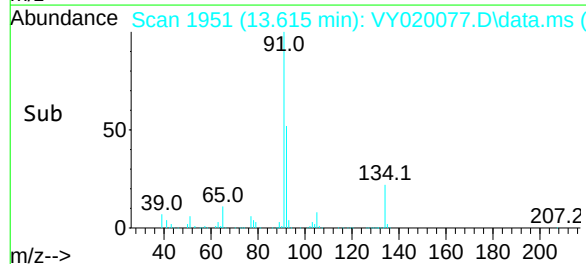
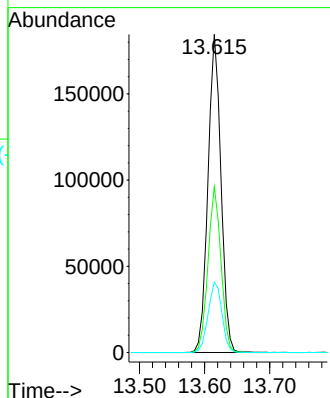
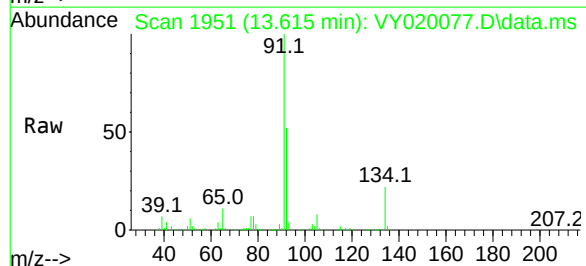
ClientSampleId :

VSTDICC020

Tgt Ion:	91	Resp:	255253
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.6	79.7
134	23.4	12.9	38.7

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Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#90

Hexachloroethane

Concen: 19.037 ug/l

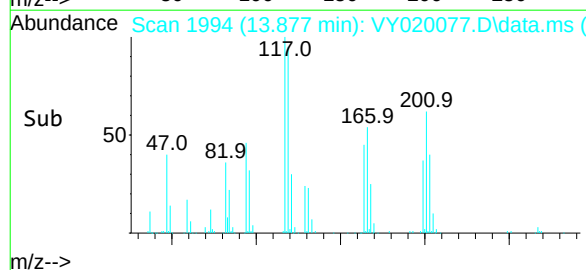
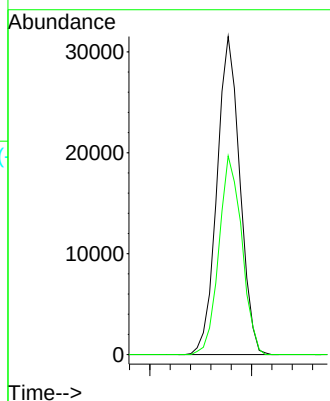
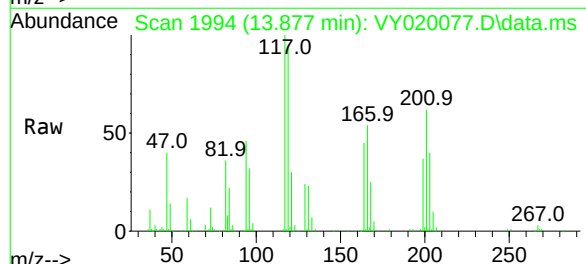
RT: 13.877 min Scan# 1994

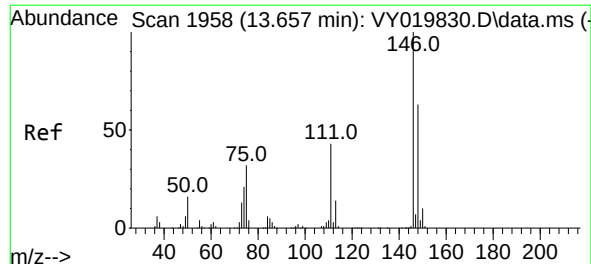
Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	117	Resp:	49426
Ion	Ratio	Lower	Upper
117	100		
201	62.3	37.4	112.2





#91

1,2-Dichlorobenzene

Concen: 18.445 ug/l

RT: 13.658 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

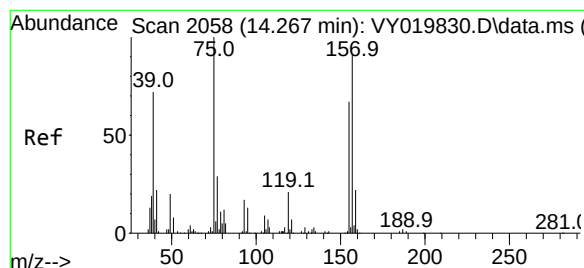
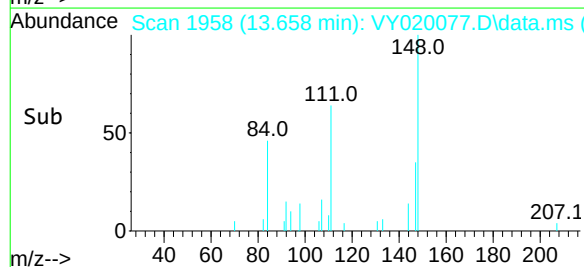
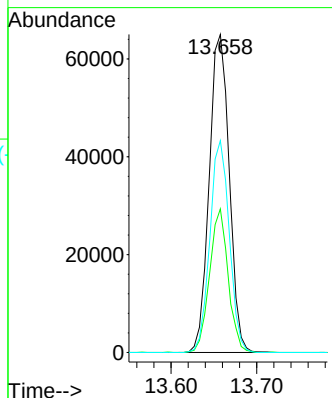
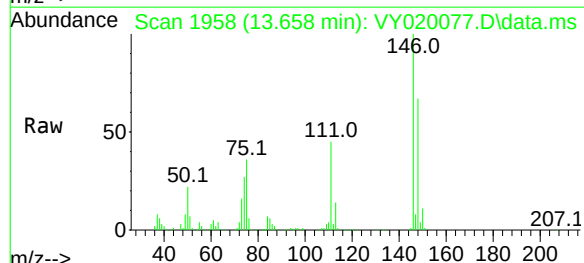
ClientSampleId :

VSTDICC020

Tgt Ion:	146	Resp:	105505
Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.9	59.7
148	64.7	31.8	95.4

Manual Integrations
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Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.796 ug/l

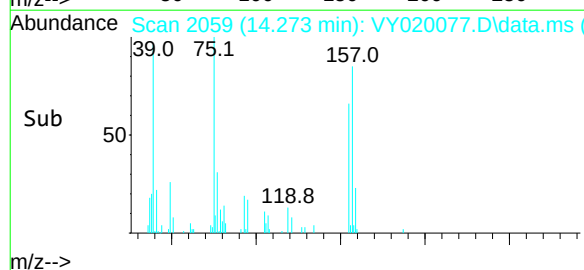
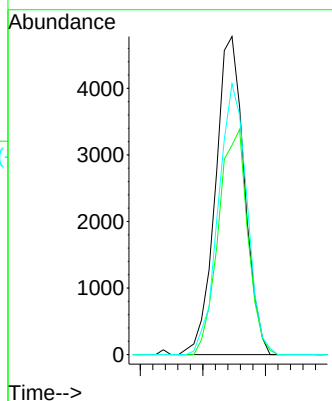
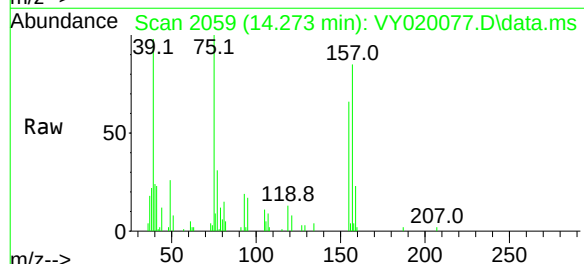
RT: 14.273 min Scan# 2059

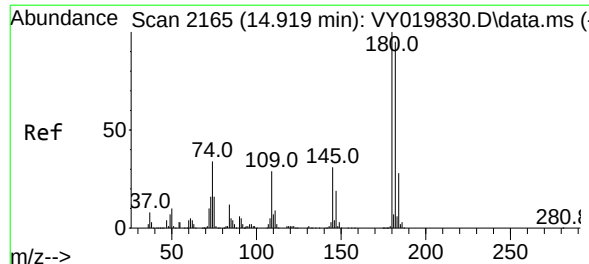
Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	75	Resp:	7666
Ion	Ratio	Lower	Upper
75	100		
155	71.6	48.6	145.8
157	83.9	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 17.663 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

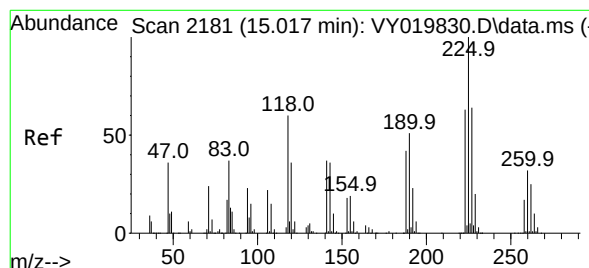
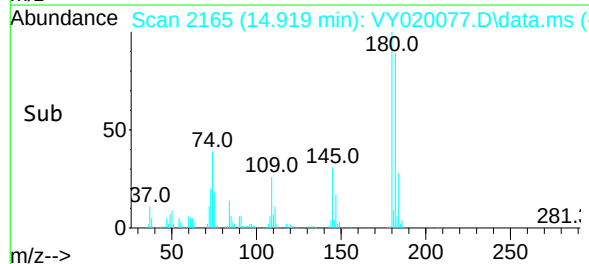
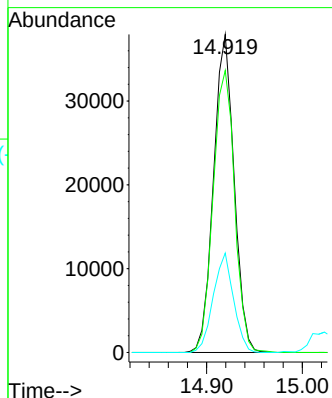
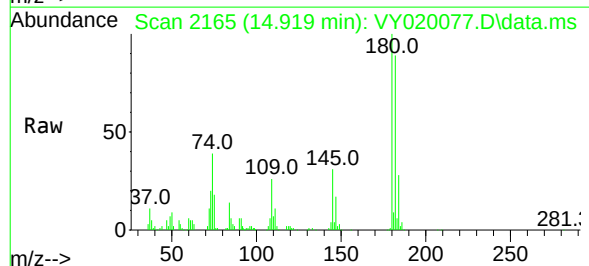
ClientSampleId :

VSTDICC020

Tgt Ion:	180	Resp:	56651
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.9	143.8
145	30.9	14.2	42.6

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Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 17.105 ug/l

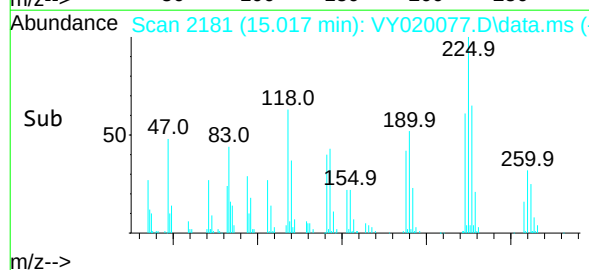
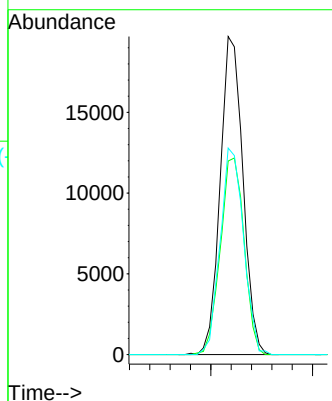
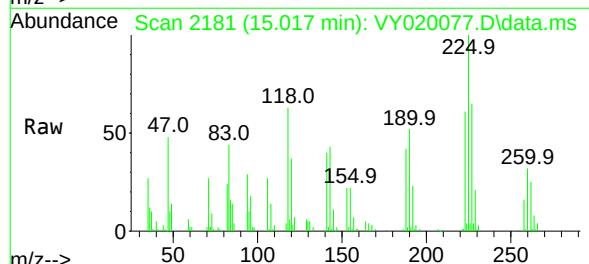
RT: 15.017 min Scan# 2181

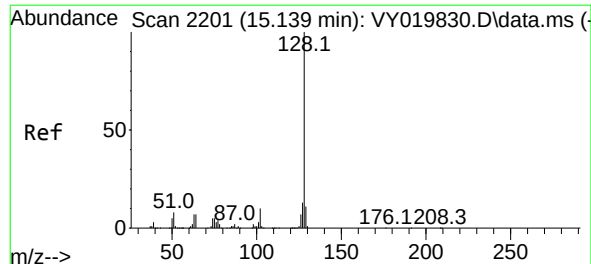
Delta R.T. -0.006 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	225	Resp:	30501
Ion Ratio	Lower	Upper	
225	100		
223	64.8	30.4	91.2
227	66.9	31.9	95.9





#95

Naphthalene

Concen: 16.953 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Instrument :

MSVOA_Y

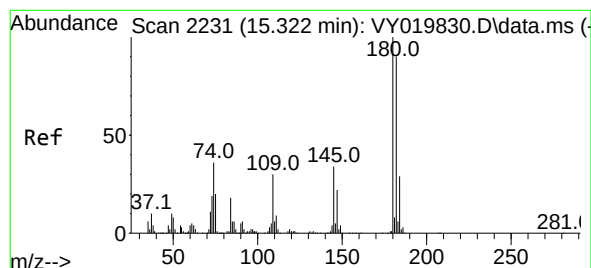
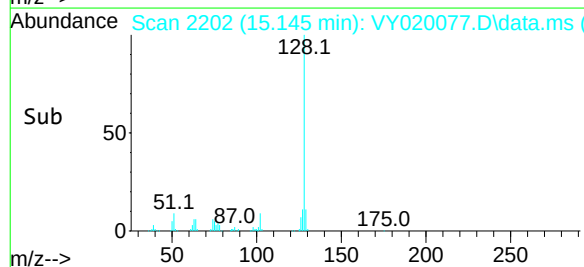
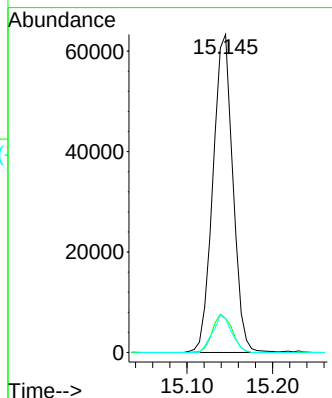
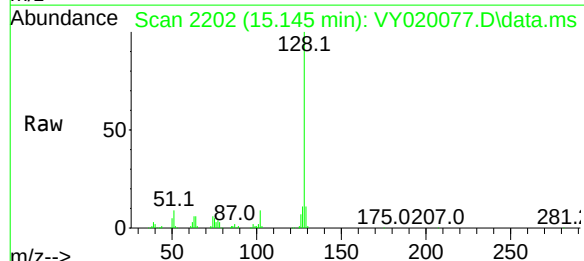
ClientSampleId :

VSTDIC020

Tgt Ion:	128	Resp:	102556
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.6	16.0
129	11.2	8.6	13.0

Manual Integrations
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Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

Concen: 17.402 ug/l

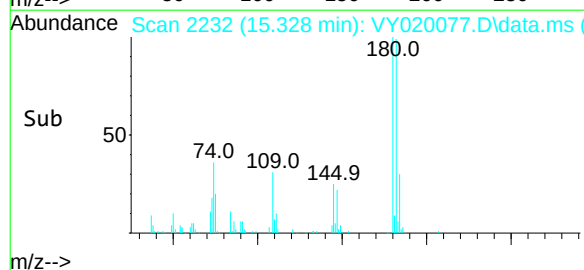
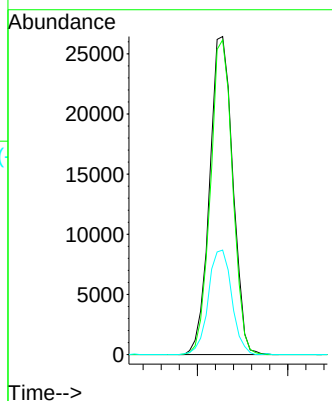
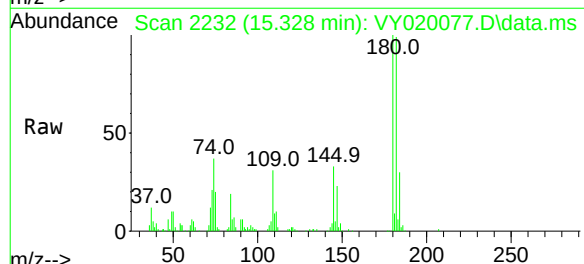
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020077.D

Acq: 30 Oct 2024 13:24

Tgt Ion:	180	Resp:	47182
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.9
145	33.2	15.4	46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Manual Integrations
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Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253095	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	448895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148301	48.236	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.480%
35) Dibromofluoromethane	7.634	113	137099	49.764	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.520%
50) Toluene-d8	10.103	98	549379	50.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.402	95	179271	51.568	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	103.140%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	96546	41.057	ug/l	98
3) Chloromethane	2.074	50	172932	43.513	ug/l	98
4) Vinyl Chloride	2.208	62	190844	45.286	ug/l	98
5) Bromomethane	2.598	94	121526	43.068	ug/l	99
6) Chloroethane	2.739	64	122992	45.232	ug/l	96
7) Trichlorofluoromethane	3.062	101	234671	46.283	ug/l	95
8) Diethyl Ether	3.458	74	63745	46.337	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.818	101	128941	45.130	ug/l	89
10) Methyl Iodide	4.007	142	130739	49.097	ug/l	# 88
11) Tert butyl alcohol	4.866	59	41694	173.877	ug/l	# 88
12) 1,1-Dichloroethene	3.793	96	124769	46.031	ug/l	# 80
13) Acrolein	3.653	56	62974	226.723	ug/l	98
14) Allyl chloride	4.385	41	231702	48.153	ug/l	# 90
15) Acrylonitrile	5.061	53	147956	237.463	ug/l	98
16) Acetone	3.873	43	176737	253.817	ug/l	# 84
17) Carbon Disulfide	4.110	76	423667	47.120	ug/l	99
18) Methyl Acetate	4.391	43	80236	47.343	ug/l	# 87
19) Methyl tert-butyl Ether	5.122	73	314058	47.812	ug/l	98
20) Methylene Chloride	4.616	84	140465	40.843	ug/l	# 81
21) trans-1,2-Dichloroethene	5.110	96	142767	46.884	ug/l	88
22) Diisopropyl ether	6.019	45	479235	48.598	ug/l	# 89
23) Vinyl Acetate	5.964	43	1333996	245.247	ug/l	# 90
24) 1,1-Dichloroethane	5.915	63	270841	46.285	ug/l	96
25) 2-Butanone	6.896	43	226732	237.393	ug/l	# 81
26) 2,2-Dichloropropane	6.884	77	223018	45.779	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	163527	47.495	ug/l	83
28) Bromochloromethane	7.244	49	127689	46.584	ug/l	# 72
29) Tetrahydrofuran	7.262	42	131553	239.719	ug/l	# 82
30) Chloroform	7.421	83	270424	46.805	ug/l	99
31) Cyclohexane	7.701	56	249456	42.730	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	240527	47.868	ug/l	95
36) 1,1-Dichloropropene	7.835	75	201893	46.739	ug/l	93
37) Ethyl Acetate	6.988	43	94588	46.256	ug/l	# 94
38) Carbon Tetrachloride	7.817	117	207365	48.133	ug/l	100
39) Methylcyclohexane	9.110	83	259600	47.915	ug/l	# 87
40) Benzene	8.079	78	594896	47.340	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020078.D
 Acq On : 30 Oct 2024 14:06
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Quant Time: Oct 30 14:58:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	53405m	38.864	ug/l	
42) 1,2-Dichloroethane	8.158	62	163735	47.442	ug/l	93
43) Isopropyl Acetate	8.195	43	185022	48.366	ug/l #	78
44) Trichloroethene	8.866	130	137913	47.292	ug/l	86
45) 1,2-Dichloropropane	9.140	63	143501	48.060	ug/l	98
46) Dibromomethane	9.231	93	76956	47.720	ug/l #	88
47) Bromodichloromethane	9.420	83	202425	48.145	ug/l #	98
48) Methyl methacrylate	9.219	41	88629	51.150	ug/l #	81
49) 1,4-Dioxane	9.225	88	15719	979.894	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	491343	251.440	ug/l	87
52) Toluene	10.170	92	373718	49.042	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	180112	49.960	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	217155	50.058	ug/l #	82
55) 1,1,2-Trichloroethane	10.573	97	96748	48.888	ug/l	94
56) Ethyl methacrylate	10.439	69	141354	52.279	ug/l #	73
57) 1,3-Dichloropropane	10.713	76	176327	48.342	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	359790	260.896	ug/l	91
59) 2-Hexanone	10.762	43	353785	255.117	ug/l	85
60) Dibromochloromethane	10.908	129	122325	49.155	ug/l	100
61) 1,2-Dibromoethane	11.012	107	87760	47.280	ug/l	100
64) Tetrachloroethene	10.646	164	120168	47.512	ug/l	94
65) Chlorobenzene	11.438	112	388015	47.788	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	124101	48.591	ug/l	99
67) Ethyl Benzene	11.518	91	733155	48.646	ug/l	99
68) m/p-Xylenes	11.627	106	540779	98.423	ug/l	91
69) o-Xylene	11.950	106	253611	48.985	ug/l	91
70) Styrene	11.969	104	427323	50.713	ug/l	95
71) Bromoform	12.133	173	64353	50.623	ug/l #	97
73) Isopropylbenzene	12.255	105	691368	47.317	ug/l	97
74) N-amyl acetate	12.072	43	172232	50.105	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	117149	45.482	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	80285m	25.625	ug/l	
77) Bromobenzene	12.530	156	139237	47.289	ug/l	82
78) n-propylbenzene	12.591	91	859635	47.031	ug/l	96
79) 2-Chlorotoluene	12.676	91	472269	46.677	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	557869	47.687	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.298	75	36981	47.705	ug/l #	84
82) 4-Chlorotoluene	12.780	91	488931	47.584	ug/l	94
83) tert-Butylbenzene	12.993	119	499937	48.831	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	552088	48.105	ug/l	96
85) sec-Butylbenzene	13.176	105	751015	47.676	ug/l	97
86) p-Isopropyltoluene	13.292	119	606962	48.620	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	283109	47.380	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	278979	46.291	ug/l	96
89) n-Butylbenzene	13.615	91	611011	48.906	ug/l	98
90) Hexachloroethane	13.877	117	117887	47.505	ug/l	83
91) 1,2-Dichlorobenzene	13.657	146	245799	47.241	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17194	44.817	ug/l	75
93) 1,2,4-Trichlorobenzene	14.919	180	130061	48.854	ug/l	98
94) Hexachlorobutadiene	15.023	225	72977	48.508	ug/l	98
95) Naphthalene	15.145	128	248616	52.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	107931	47.697	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

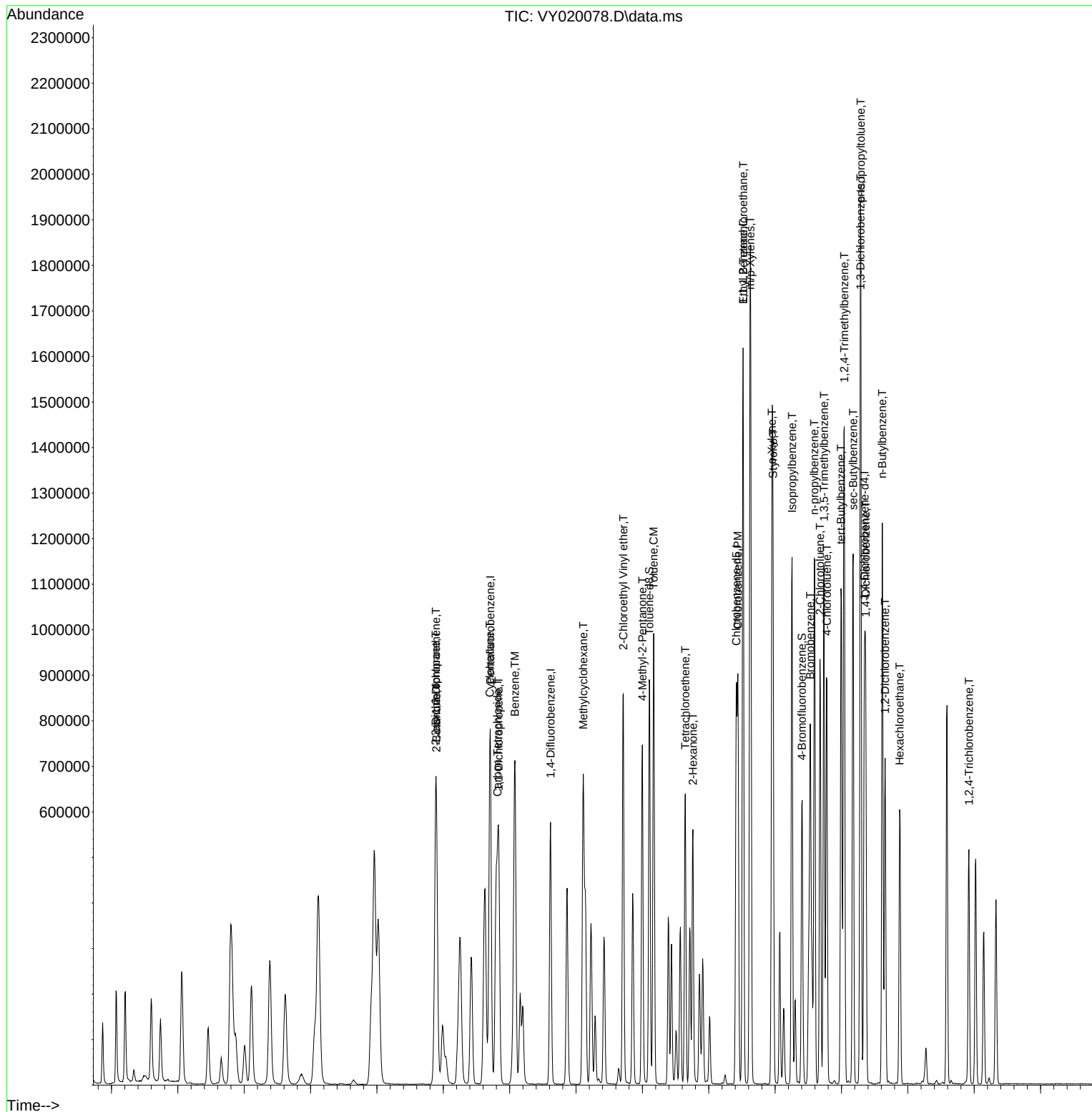
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Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

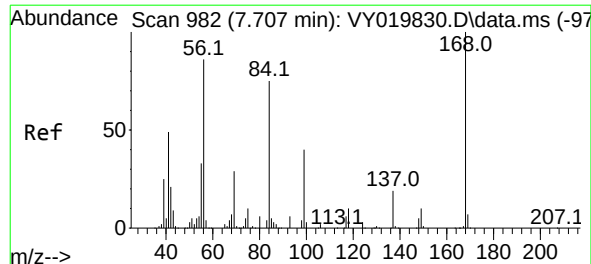
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration





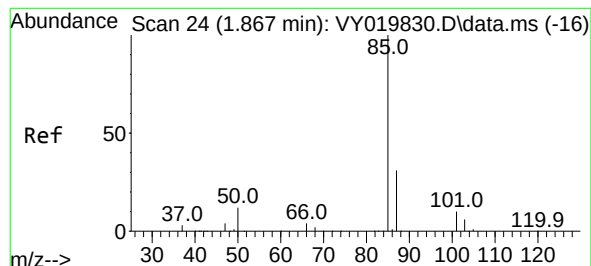
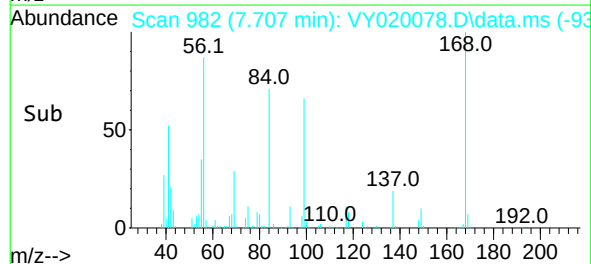
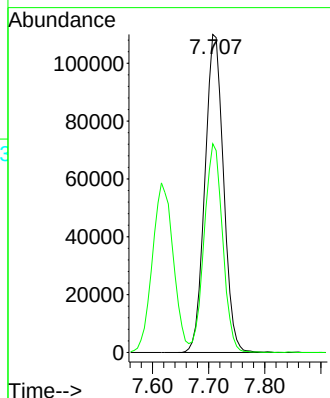
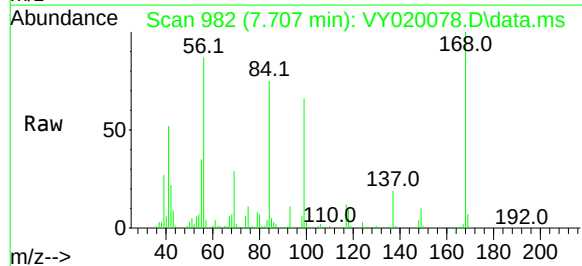
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 168 Resp: 253095
Ion Ratio Lower Upper
168 100
99 65.6 39.1 58.7

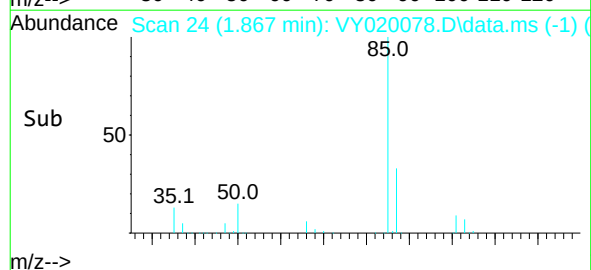
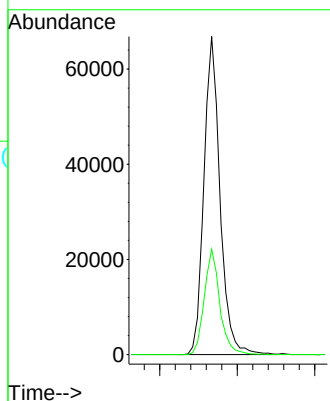
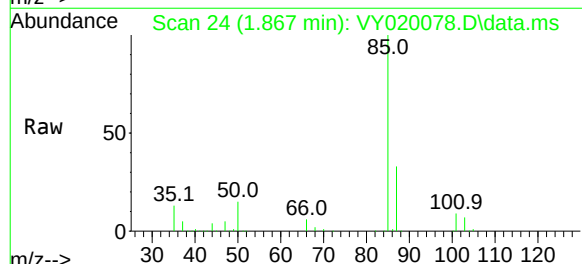
Manual Integrations
APPROVED

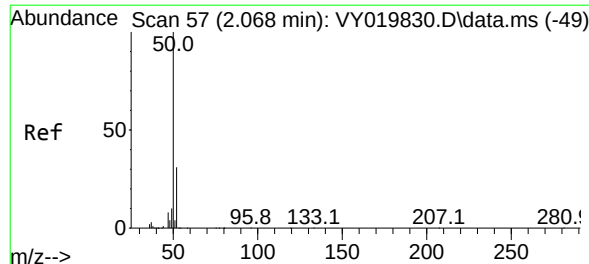
Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#2
Dichlorodifluoromethane
Concen: 41.057 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion: 85 Resp: 96546
Ion Ratio Lower Upper
85 100
87 33.1 16.0 48.0





#3

Chloromethane

Concen: 43.513 ug/l

RT: 2.074 min Scan# 58

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 172932

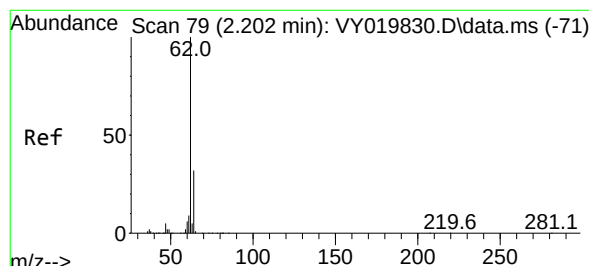
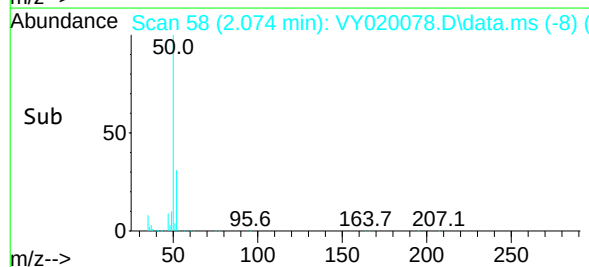
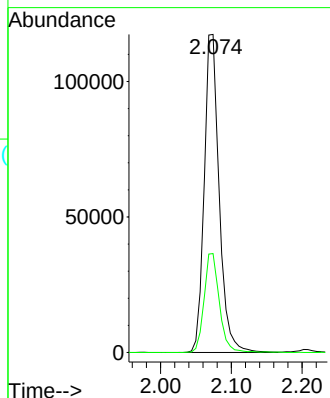
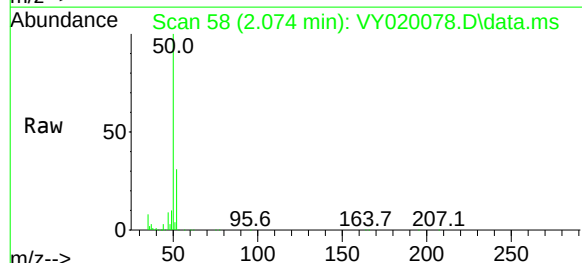
Ion Ratio Lower Upper

50 100

52 31.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#4

Vinyl Chloride

Concen: 45.286 ug/l

RT: 2.208 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY020078.D

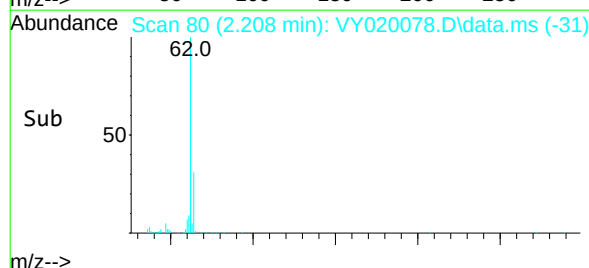
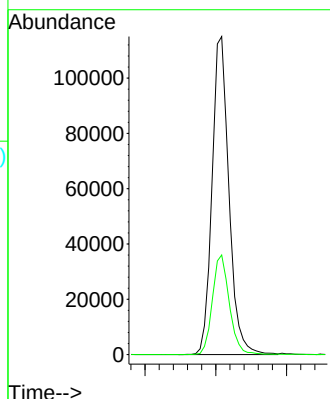
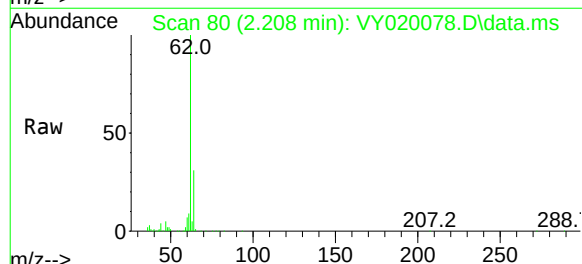
Acq: 30 Oct 2024 14:06

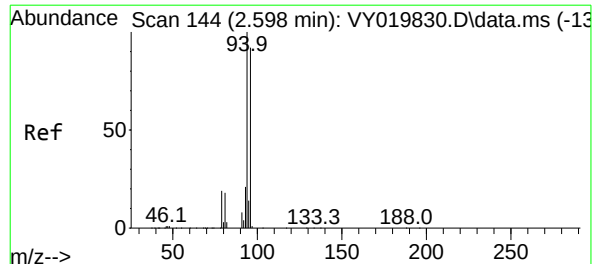
Tgt Ion: 62 Resp: 190844

Ion Ratio Lower Upper

62 100

64 31.3 26.1 39.1





#5

Bromomethane

Concen: 43.068 ug/l

RT: 2.598 min Scan# 14

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 121526

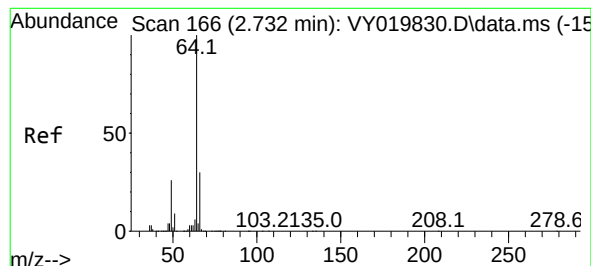
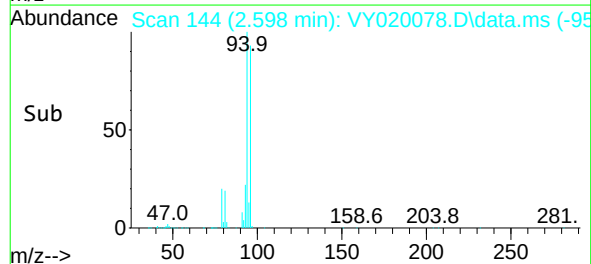
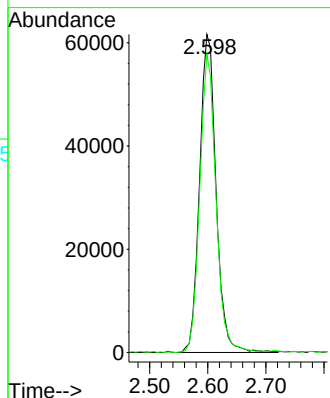
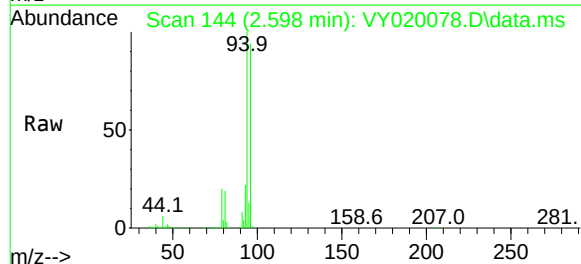
Ion Ratio Lower Upper

94 100

96 93.6 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#6

Chloroethane

Concen: 45.232 ug/l

RT: 2.739 min Scan# 167

Delta R.T. 0.000 min

Lab File: VY020078.D

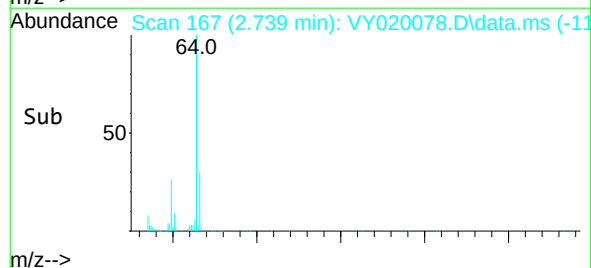
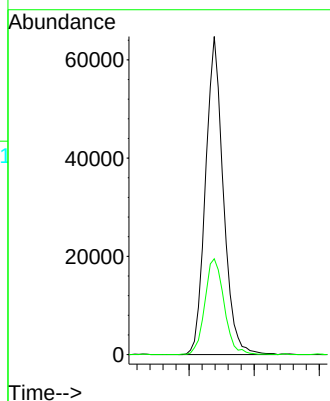
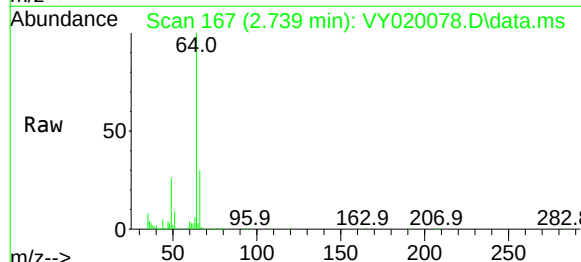
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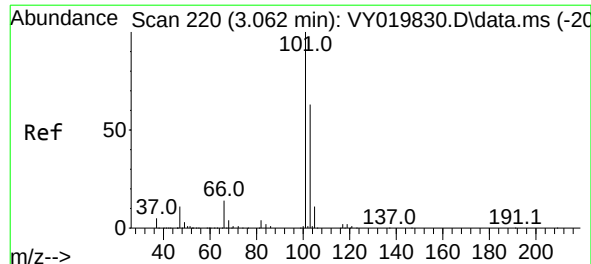
Tgt Ion: 64 Resp: 122992

Ion Ratio Lower Upper

64 100

66 30.1 26.1 39.1





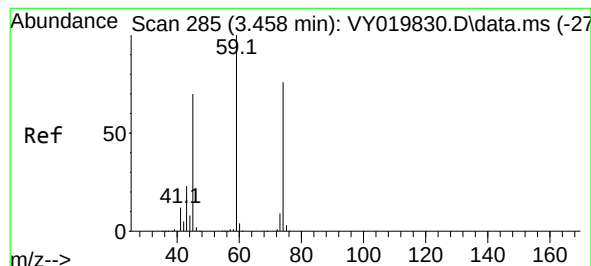
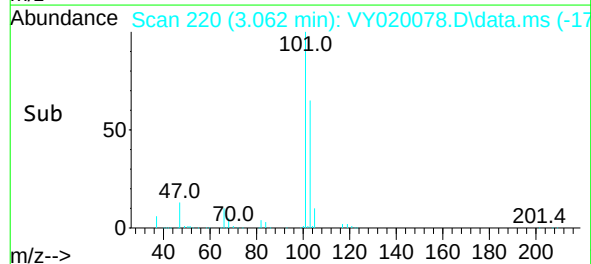
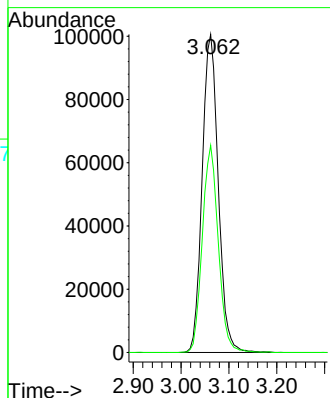
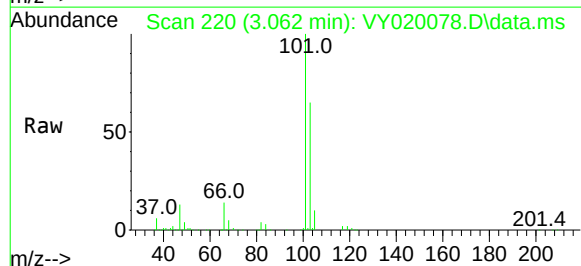
#7
Trichlorofluoromethane
Concen: 46.283 ug/l
RT: 3.062 min Scan# 220
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 101 Resp: 234671
Ion Ratio Lower Upper
101 100
103 65.1 49.3 73.9

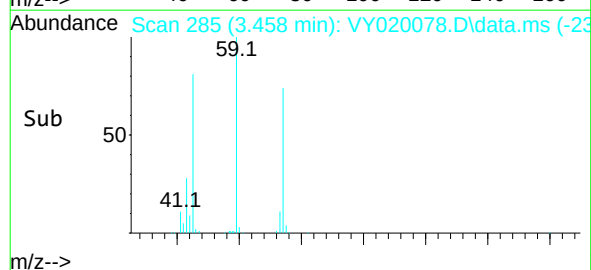
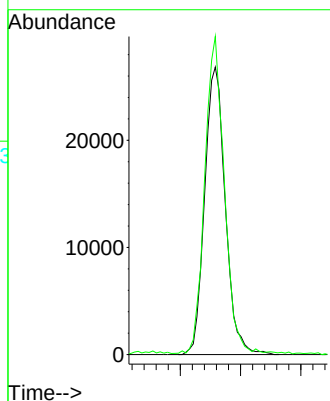
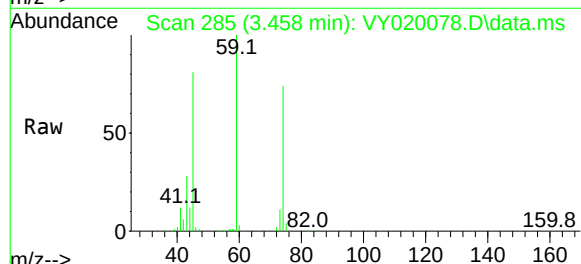
Manual Integrations
APPROVED

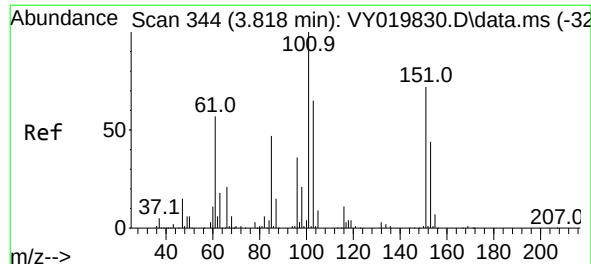
Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#8
Diethyl Ether
Concen: 46.337 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion: 74 Resp: 63745
Ion Ratio Lower Upper
74 100
45 104.4 41.3 124.1





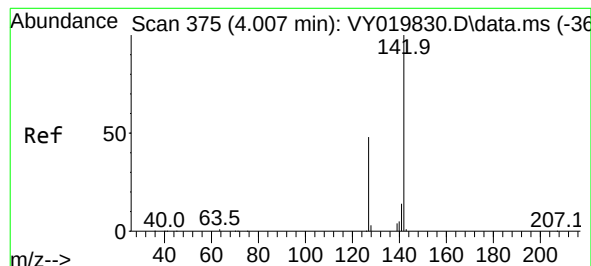
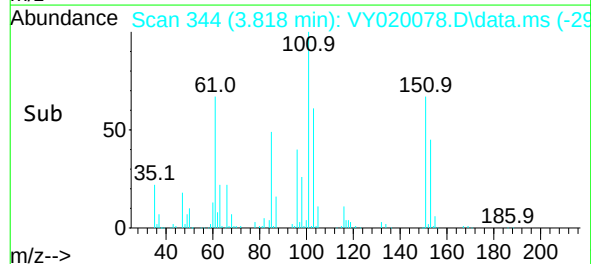
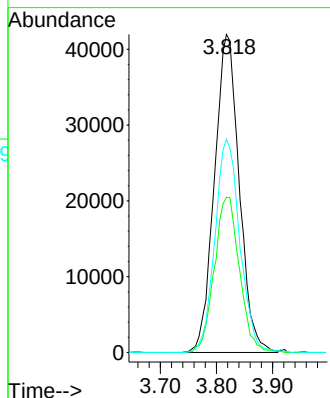
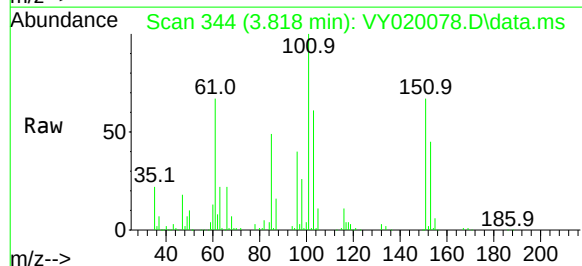
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.130 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.007 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 128941
Ion Ratio Lower Upper
101 100
85 49.5 34.5 51.7
151 67.3 61.7 92.5

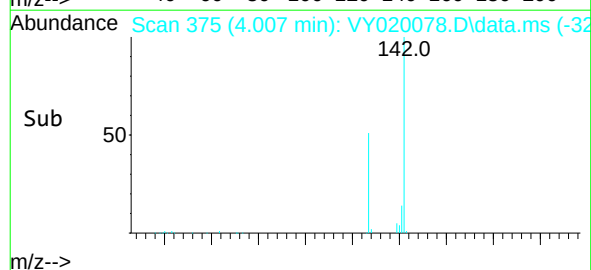
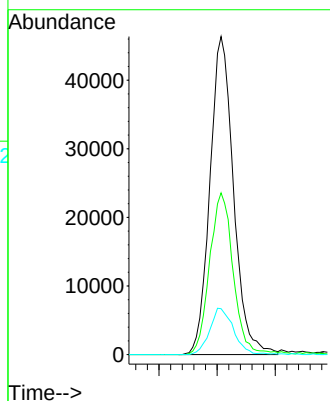
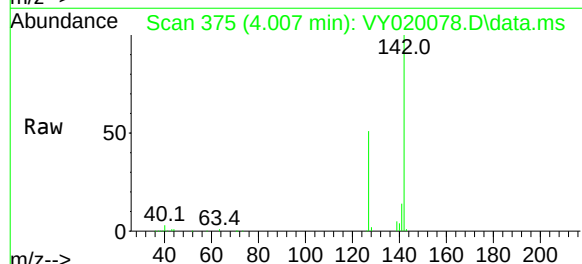
Manual Integrations
APPROVED

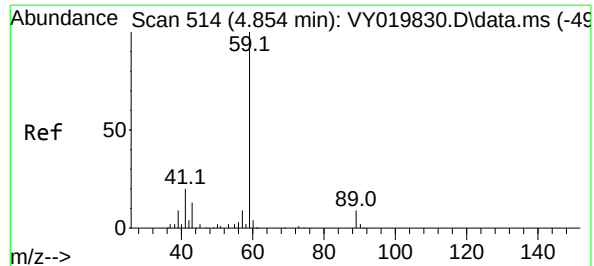
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 49.097 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion:142 Resp: 130739
Ion Ratio Lower Upper
142 100
127 51.0 32.8 49.2#
141 14.5 11.4 17.2





#11

Tert butyl alcohol

Concen: 173.877 ug/l

RT: 4.866 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 41694

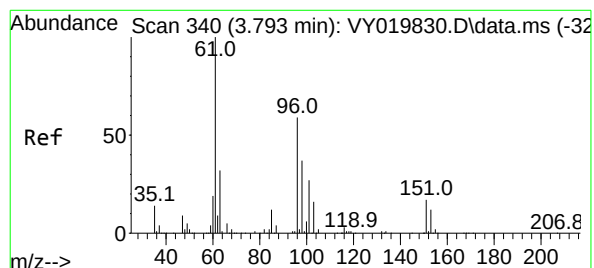
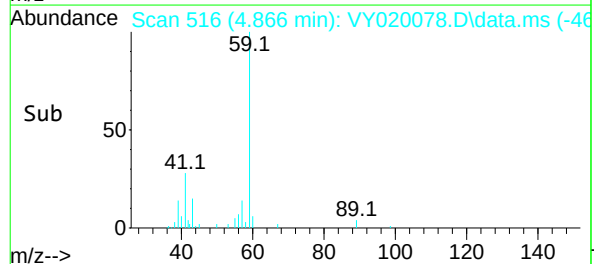
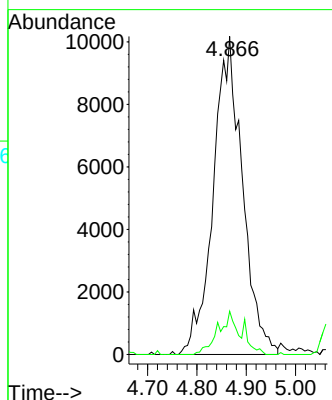
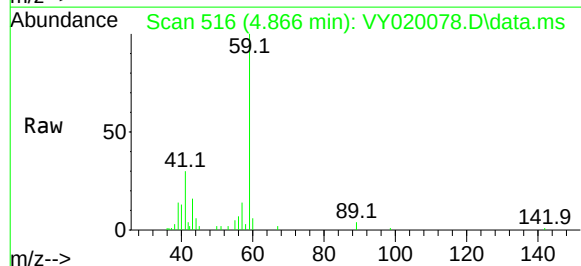
Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#12

1,1-Dichloroethene

Concen: 46.031 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

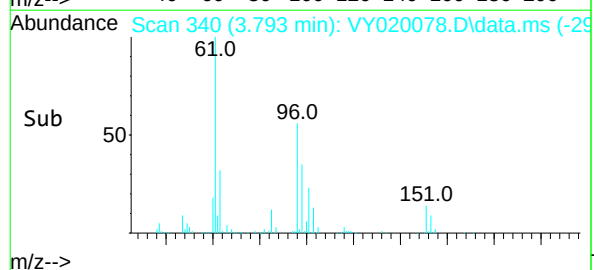
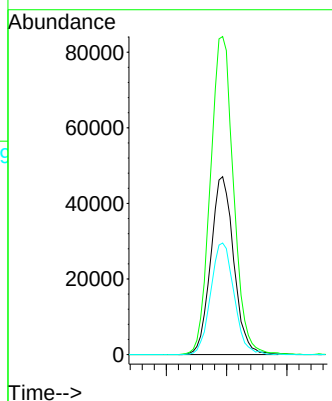
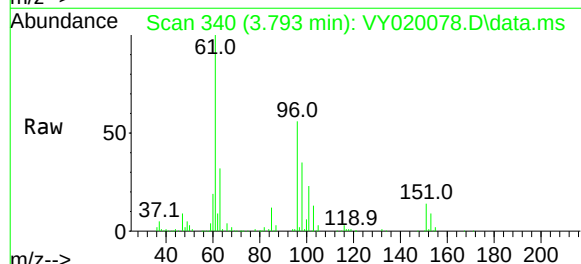
Tgt Ion: 96 Resp: 124769

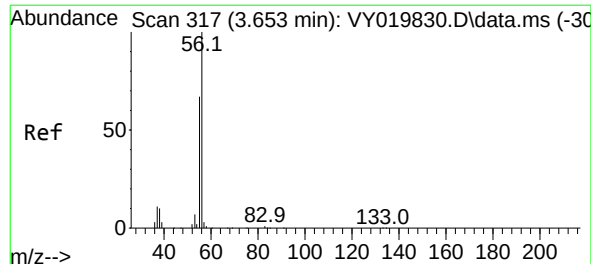
Ion Ratio Lower Upper

96 100

61 178.8 114.6 171.8#

98 62.7 50.8 76.2





#13

Acrolein

Concen: 226.723 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 62974

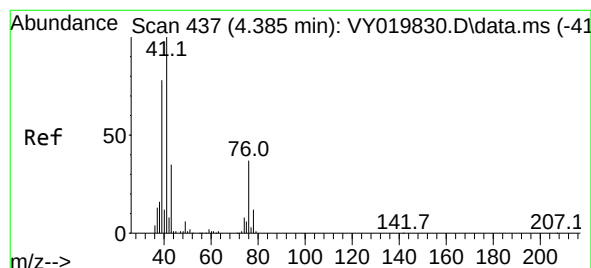
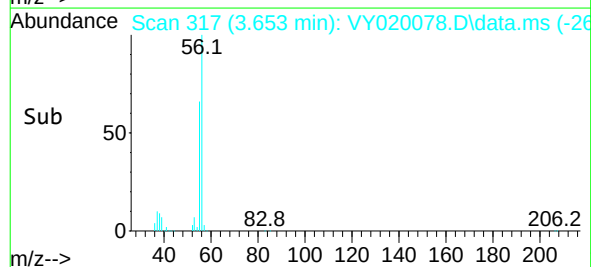
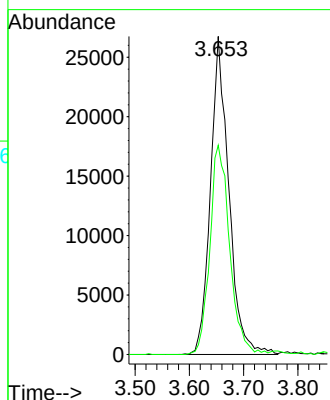
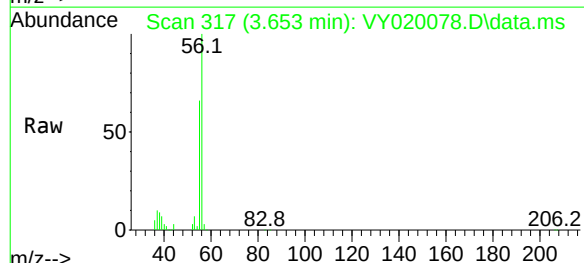
Ion Ratio Lower Upper

56 100

55 70.9 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#14

Allyl chloride

Concen: 48.153 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

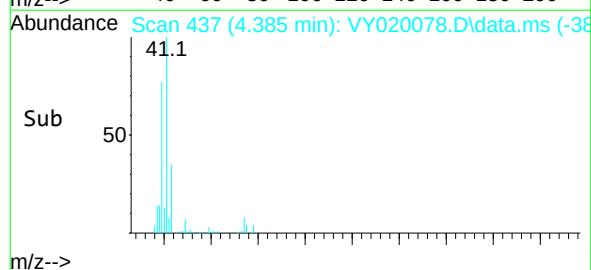
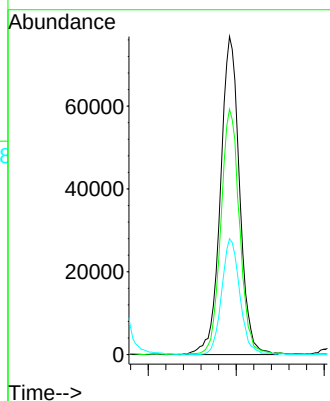
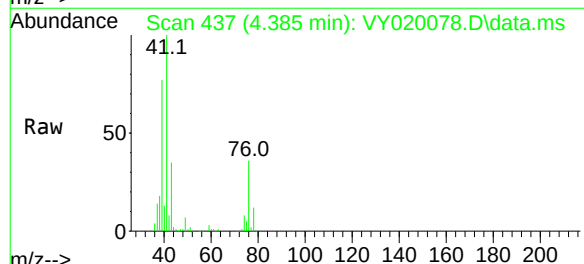
Tgt Ion: 41 Resp: 231702

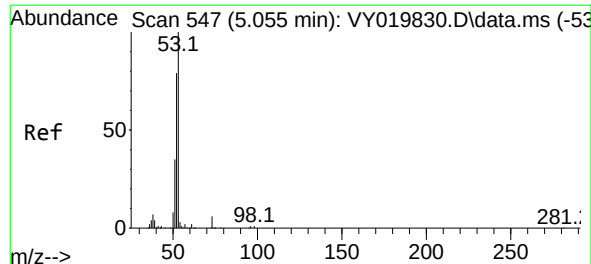
Ion Ratio Lower Upper

41 100

39 75.5 58.3 87.5

76 34.6 39.0 58.6#





#15

Acrylonitrile

Concen: 237.463 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

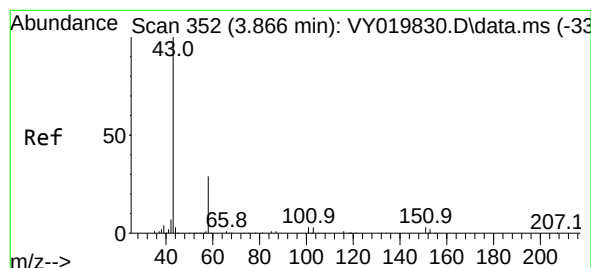
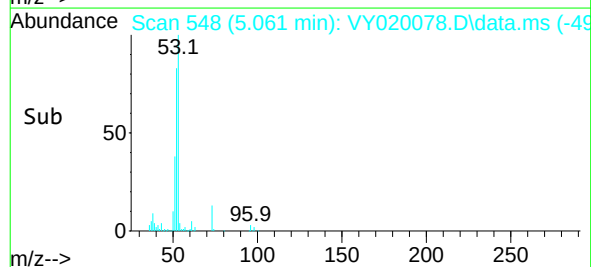
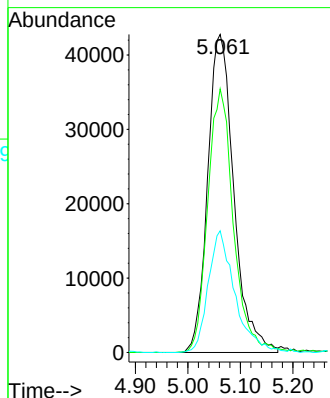
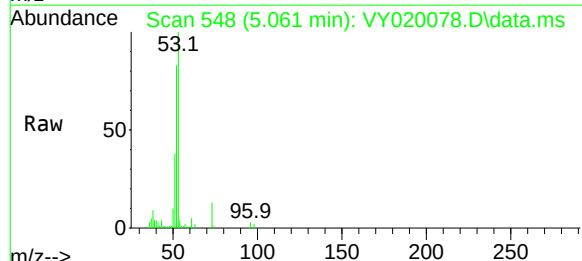
ClientSampleId :

VSTDICCC050

Tgt Ion: 53	Resp: 147956
Ion Ratio	Lower Upper
53 100	
52 81.6	64.7 97.1
51 39.1	28.4 42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 253.817 ug/l

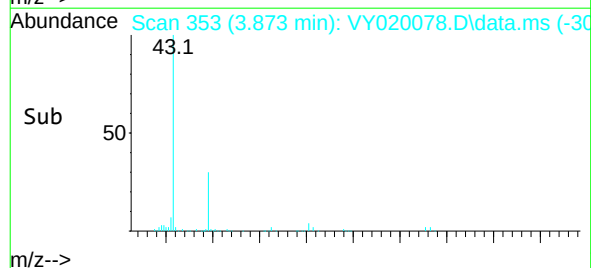
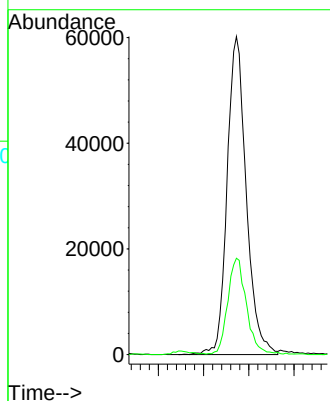
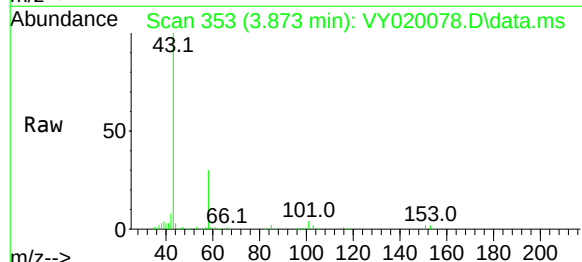
RT: 3.873 min Scan# 353

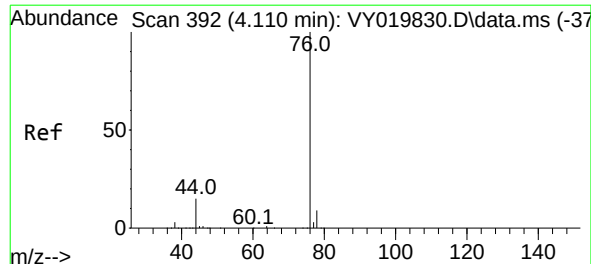
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion: 43	Resp: 176737
Ion Ratio	Lower Upper
43 100	
58 29.6	31.7 47.5





#17

Carbon Disulfide

Concen: 47.120 ug/l

RT: 4.110 min Scan# 39

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 423667

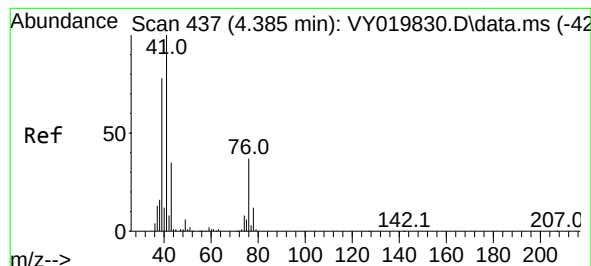
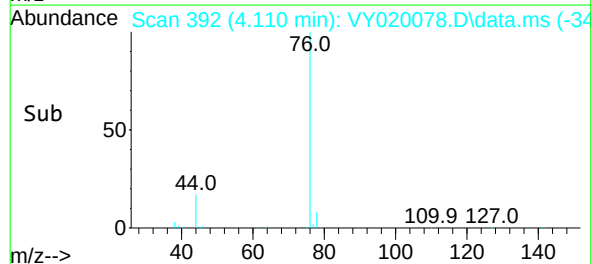
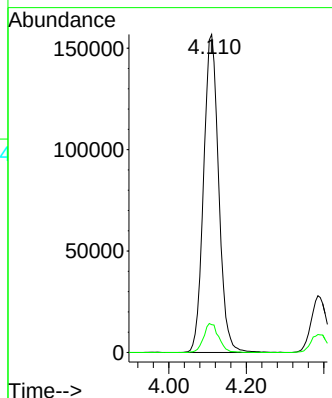
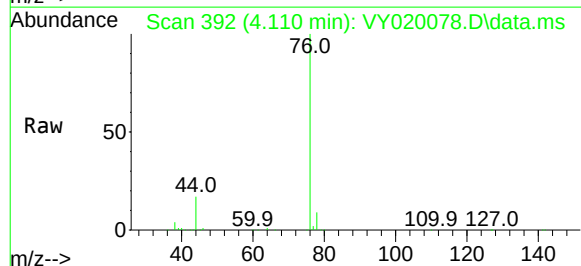
Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#18

Methyl Acetate

Concen: 47.343 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.007 min

Lab File: VY020078.D

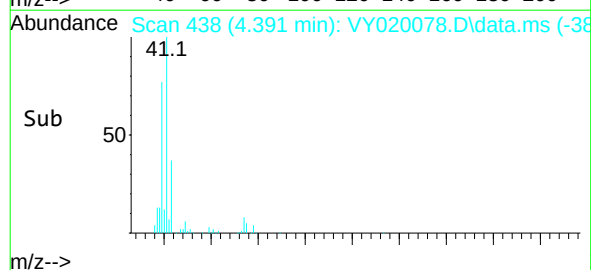
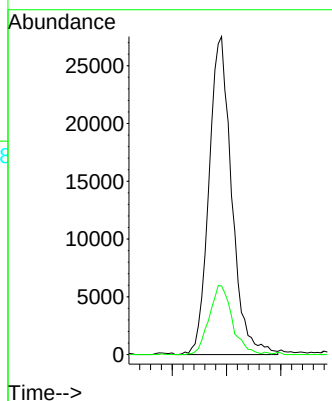
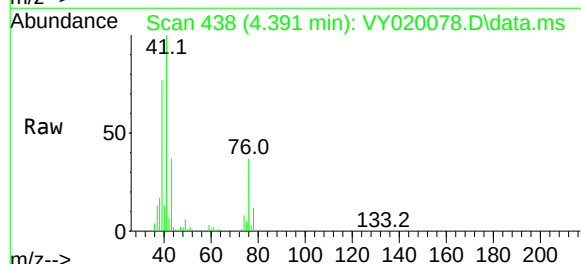
Acq: 30 Oct 2024 14:06

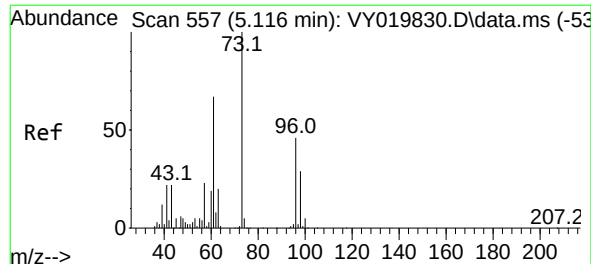
Tgt Ion: 43 Resp: 80236

Ion Ratio Lower Upper

43 100

74 21.9 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 47.812 ug/l

RT: 5.122 min Scan# 557

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 314058

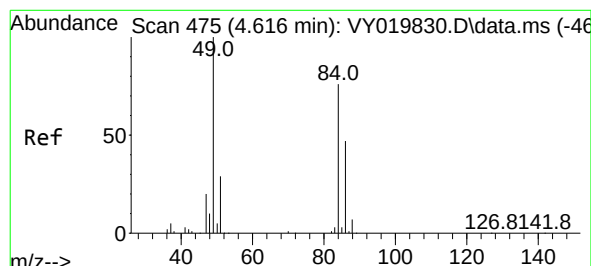
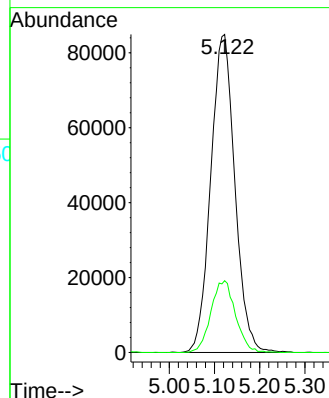
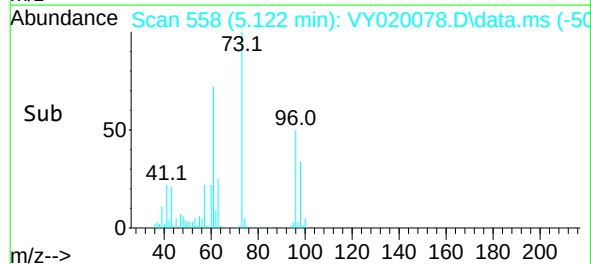
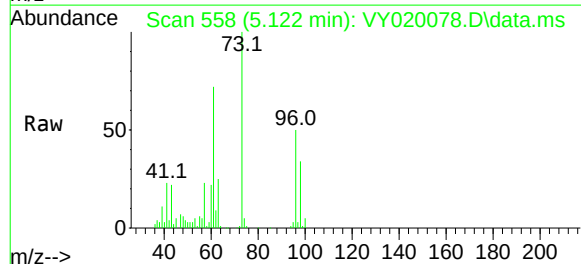
Ion Ratio Lower Upper

73 100

57 22.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#20

Methylene Chloride

Concen: 40.843 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion: 84 Resp: 140465

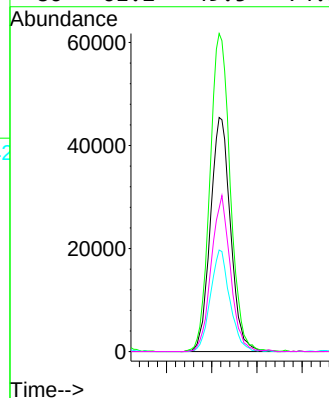
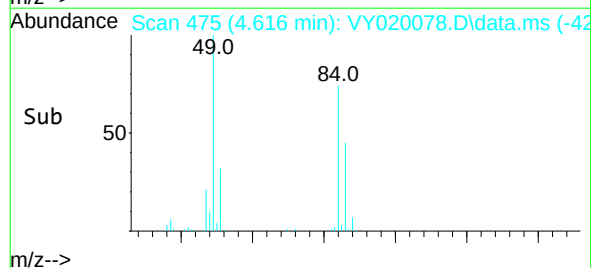
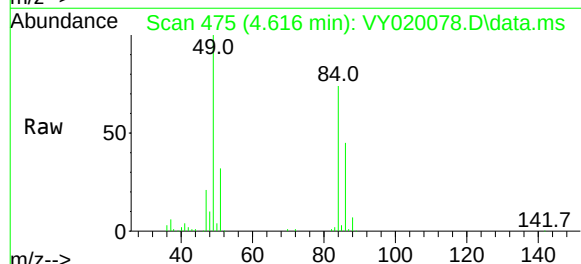
Ion Ratio Lower Upper

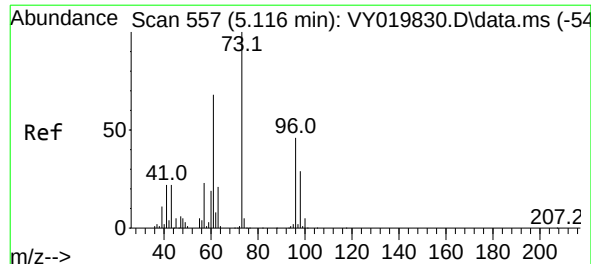
84 100

49 135.9 84.4 126.6#

51 43.4 26.0 39.0#

86 61.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 46.884 ug/l

RT: 5.110 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

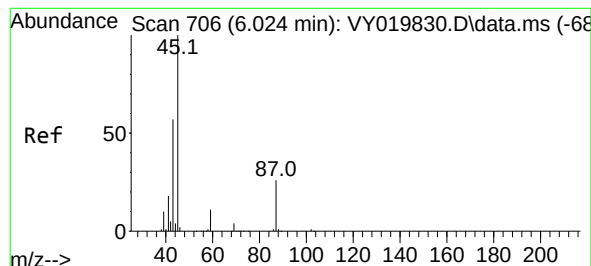
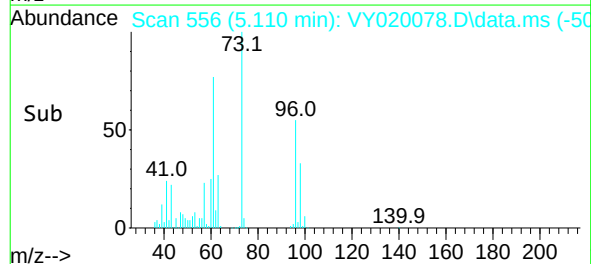
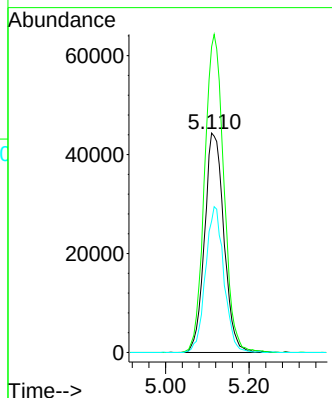
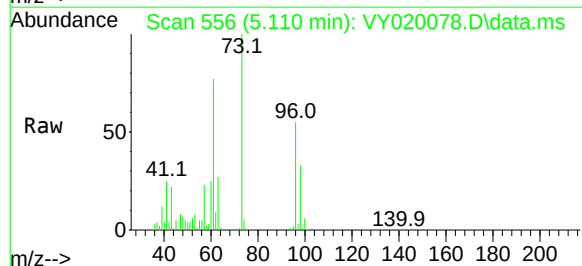
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	142767
Ion	Ratio	Lower	Upper
96	100		
61	139.4	97.5	146.3
98	59.8	50.5	75.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#22

Diisopropyl ether

Concen: 48.598 ug/l

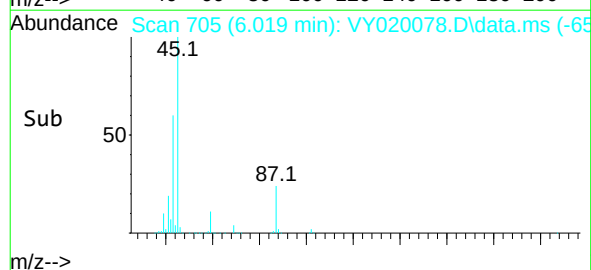
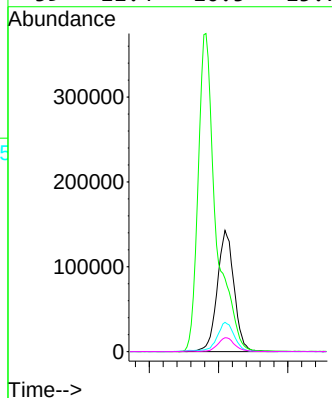
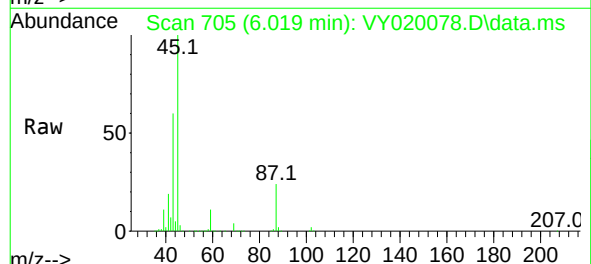
RT: 6.019 min Scan# 705

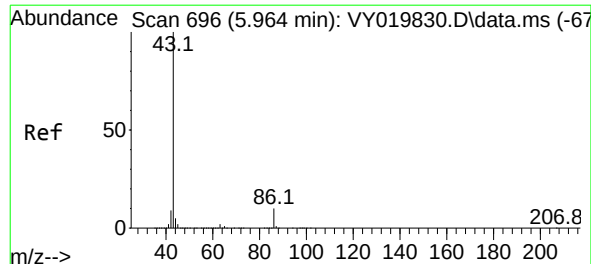
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	45	Resp:	479235
Ion	Ratio	Lower	Upper
45	100		
43	60.3	42.2	63.2
87	24.1	25.0	37.6#
59	11.4	10.5	15.7





#23

Vinyl Acetate

Concen: 245.247 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1333996

Ion Ratio Lower Upper

43 100

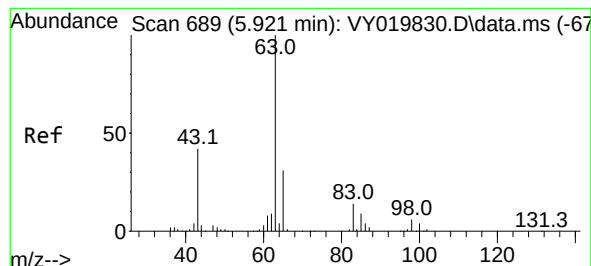
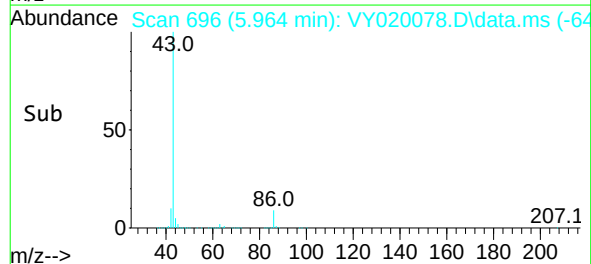
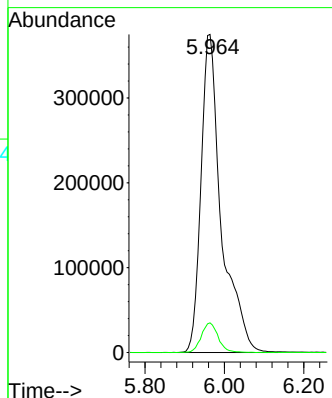
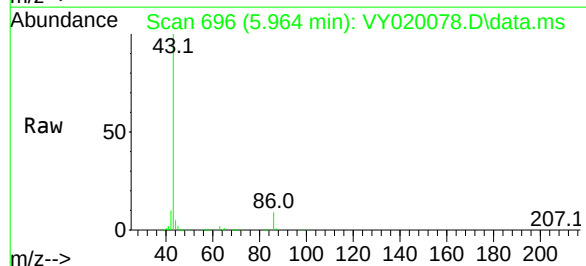
86 9.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#24

1,1-Dichloroethane

Concen: 46.285 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

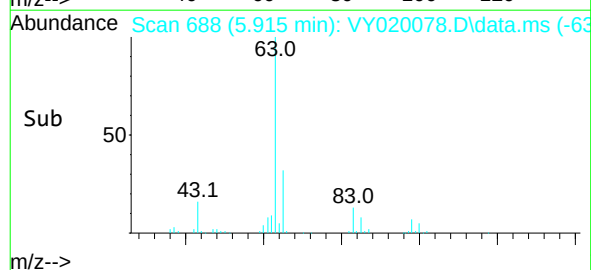
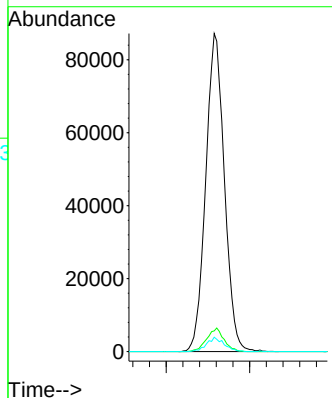
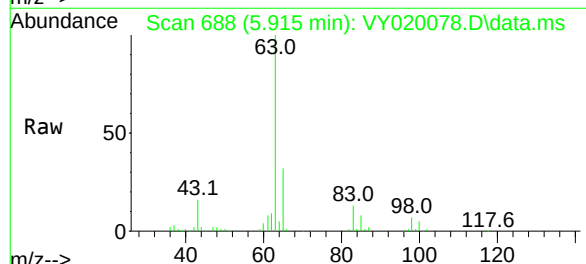
Tgt Ion: 63 Resp: 270841

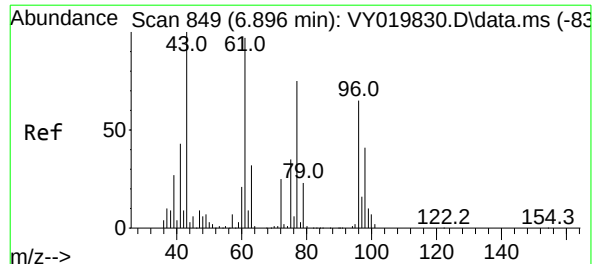
Ion Ratio Lower Upper

63 100

98 6.5 4.0 12.2

100 4.5 2.6 8.0





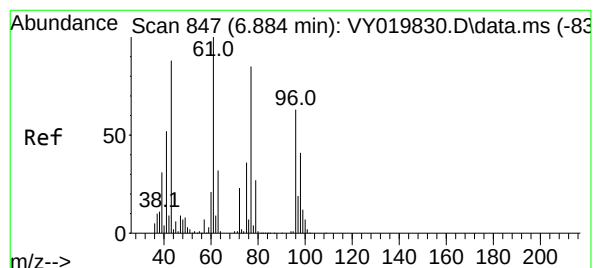
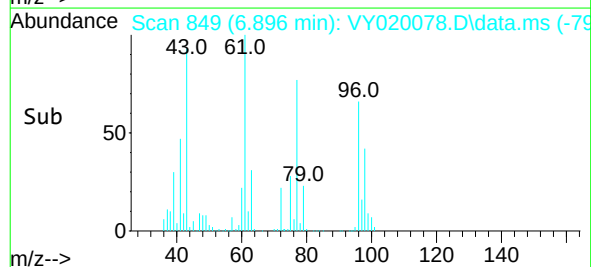
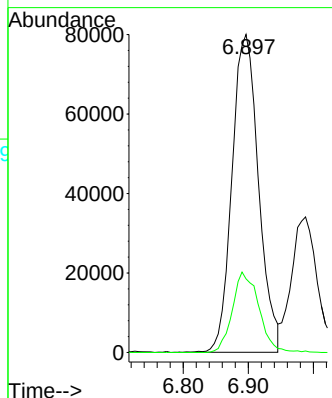
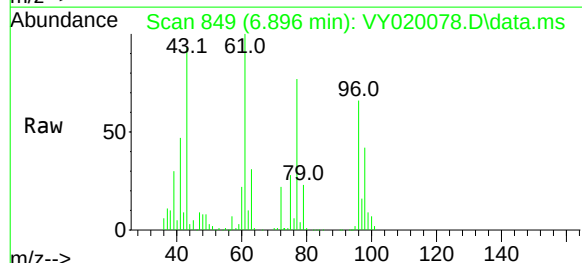
#25
2-Butanone
Concen: 237.393 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.007 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 226732
Ion Ratio Lower Upper
43 100
72 23.2 27.3 40.9

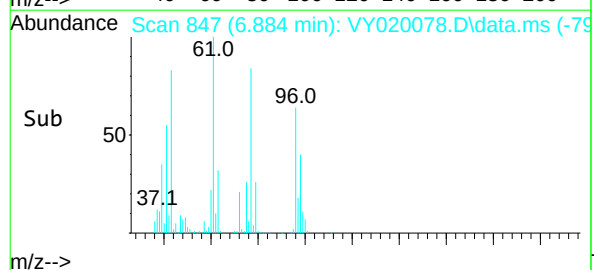
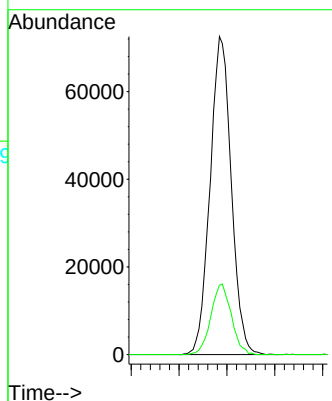
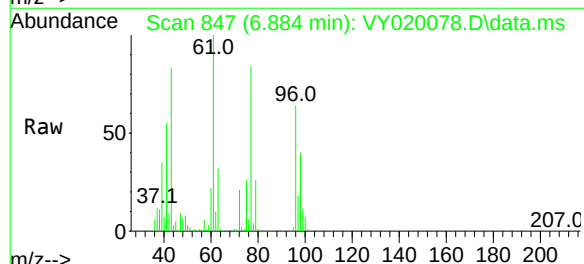
Manual Integrations
APPROVED

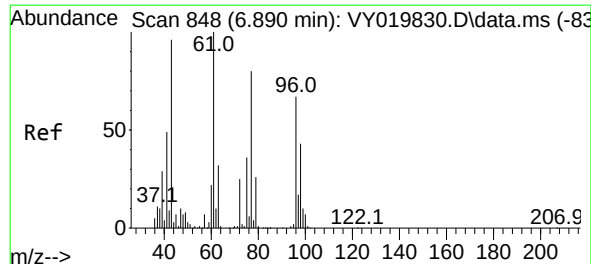
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#26
2,2-Dichloropropane
Concen: 45.779 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion: 77 Resp: 223018
Ion Ratio Lower Upper
77 100
97 21.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 47.495 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

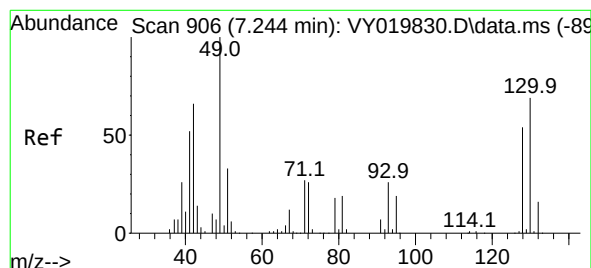
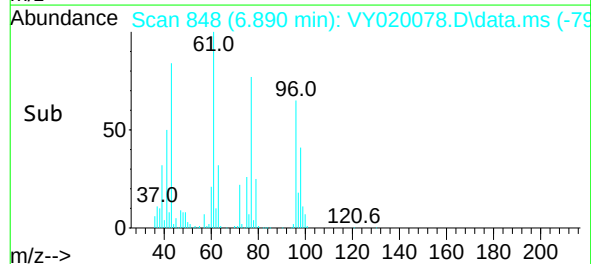
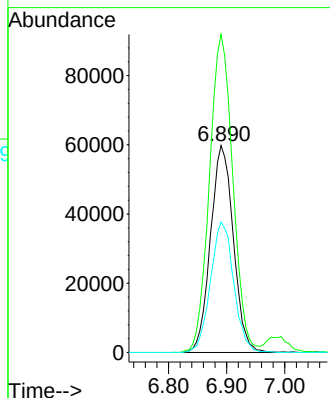
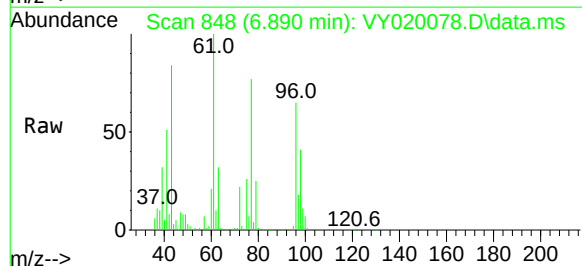
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	163527
Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	256.2
98	64.2	0.0	130.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#28

Bromochloromethane

Concen: 46.584 ug/l

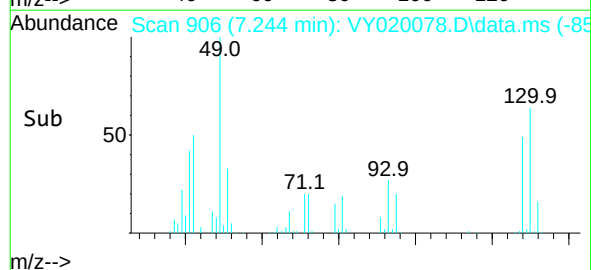
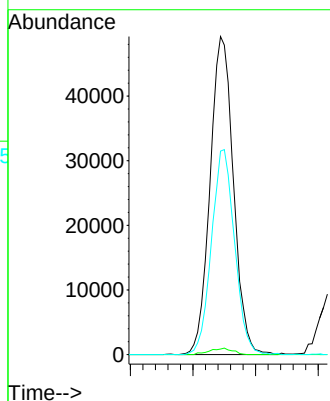
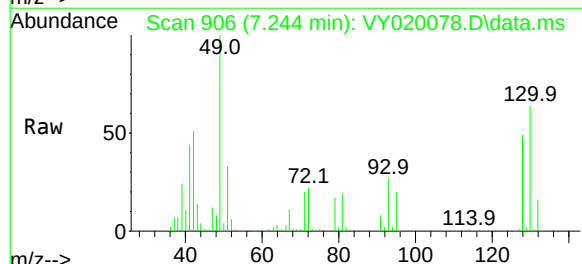
RT: 7.244 min Scan# 906

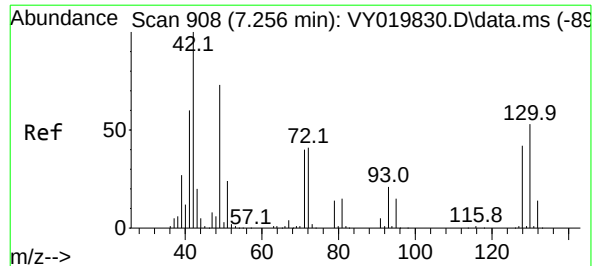
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	49	Resp:	127689
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	63.9	72.7	109.1#





#29

Tetrahydrofuran

Concen: 239.719 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 131553

Ion Ratio Lower Upper

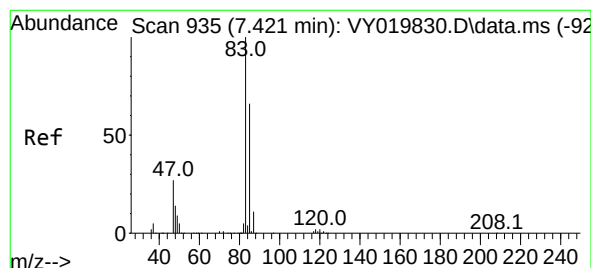
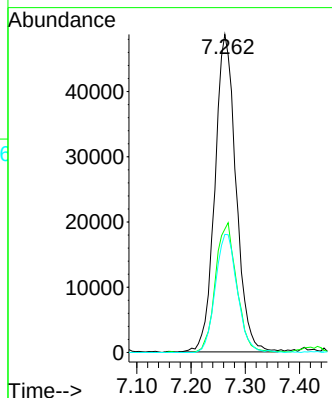
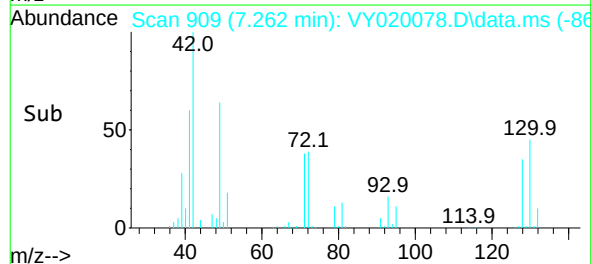
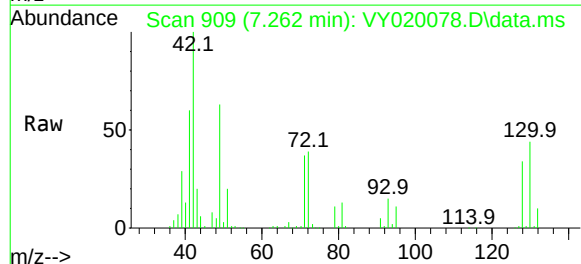
42 100

72 41.1 43.0 64.4

71 38.3 40.8 61.2

Manual Integrations

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Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#30

Chloroform

Concen: 46.805 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY020078.D

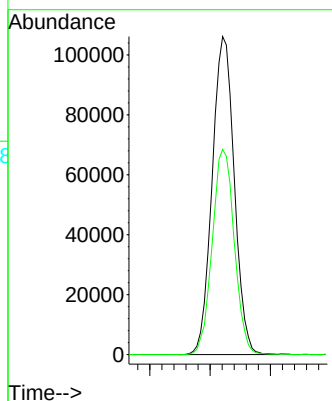
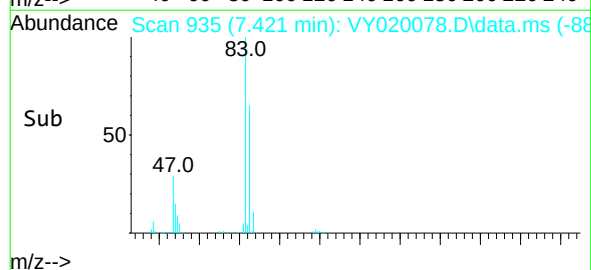
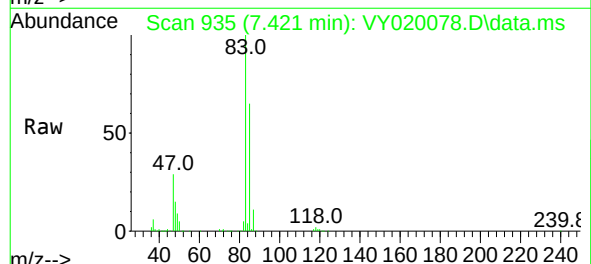
Acq: 30 Oct 2024 14:06

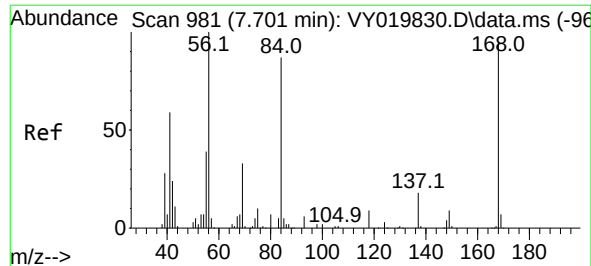
Tgt Ion: 83 Resp: 270424

Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.4





#31

Cyclohexane

Concen: 42.730 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 249456

Ion Ratio Lower Upper

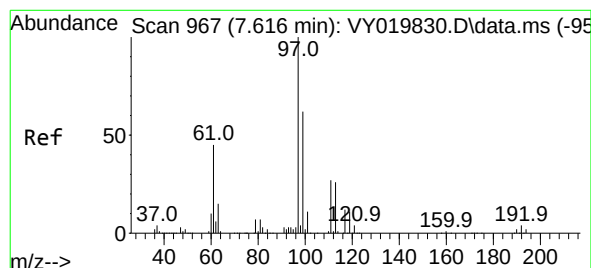
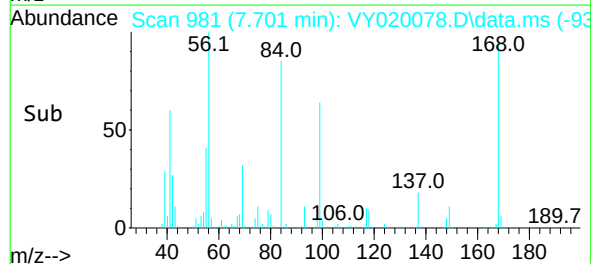
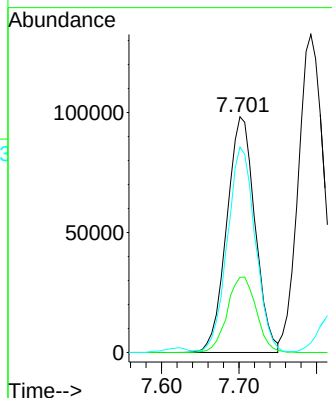
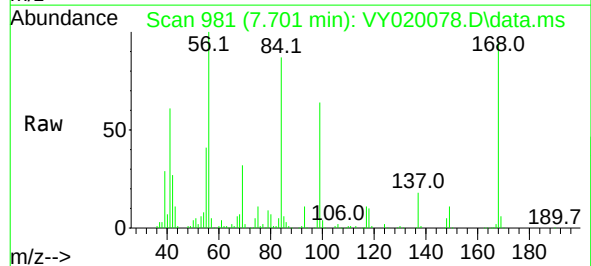
56 100

69 31.9 28.7 43.1

84 85.1 77.7 116.5

Manual Integrations

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Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#32

1,1,1-Trichloroethane

Concen: 47.868 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

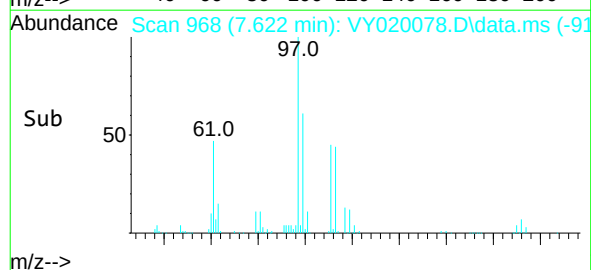
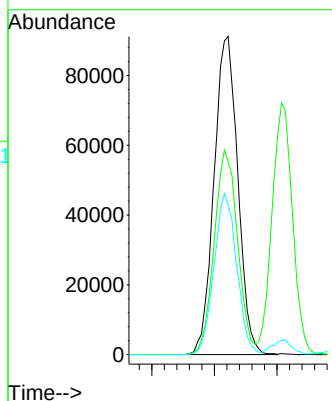
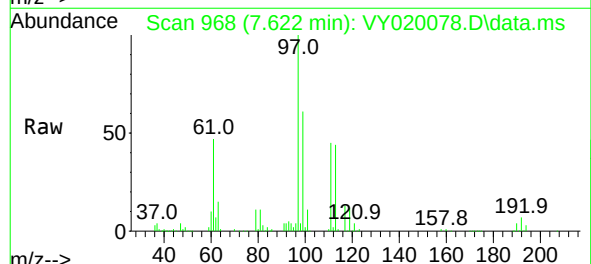
Tgt Ion: 97 Resp: 240527

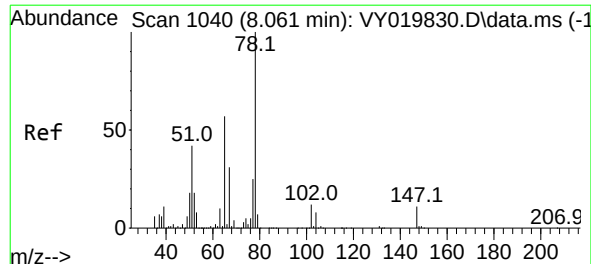
Ion Ratio Lower Upper

97 100

99 63.3 50.3 75.5

61 48.2 32.6 48.8





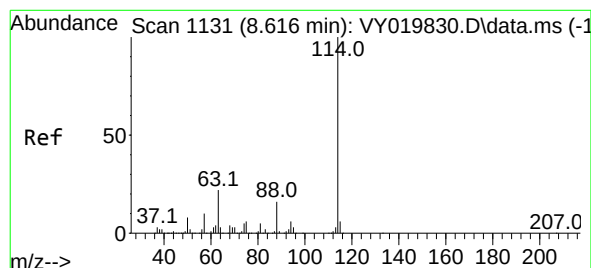
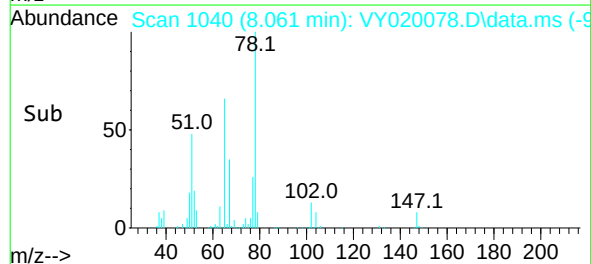
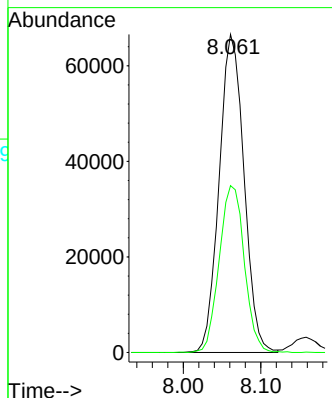
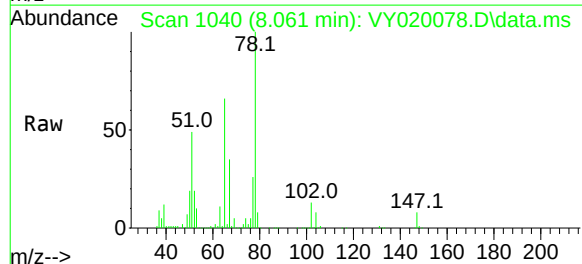
#33
1,2-Dichloroethane-d4
Concen: 48.236 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 148301
Ion Ratio Lower Upper
65 100
67 53.0 0.0 109.6

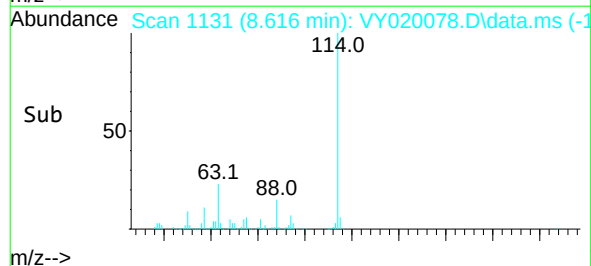
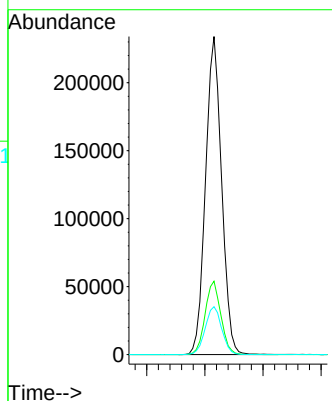
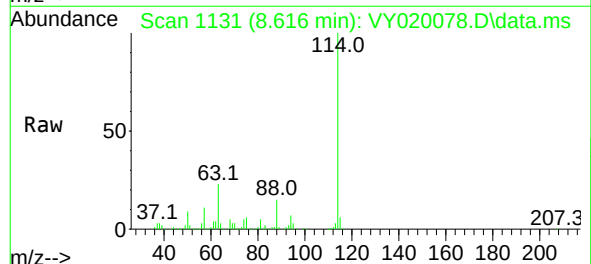
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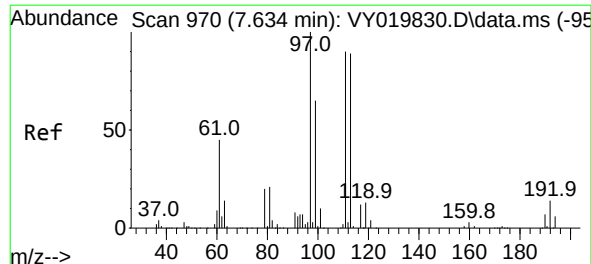
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion:114 Resp: 448895
Ion Ratio Lower Upper
114 100
63 23.1 0.0 35.0
88 15.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.764 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 113 Resp: 137099

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

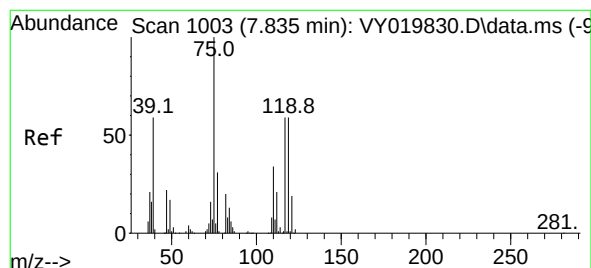
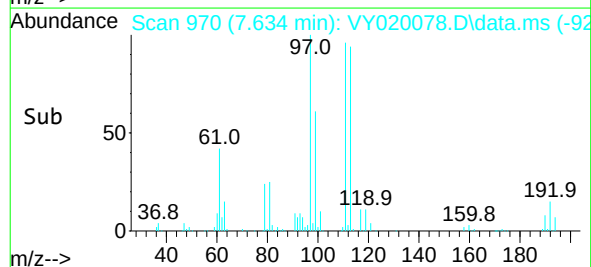
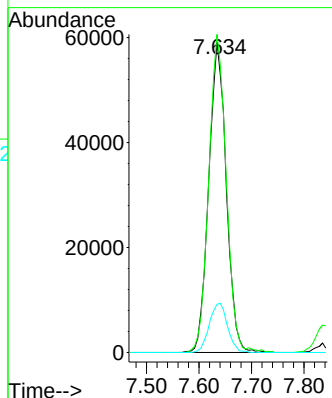
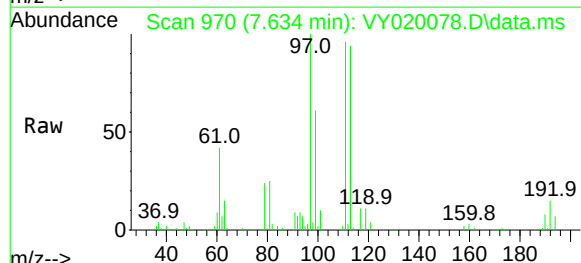
192 16.5 15.9 23.9

Manual Integrations

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Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#36

1,1-Dichloropropene

Concen: 46.739 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

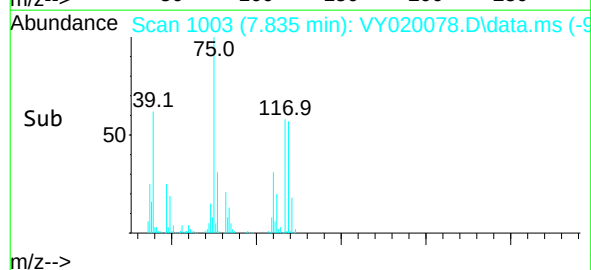
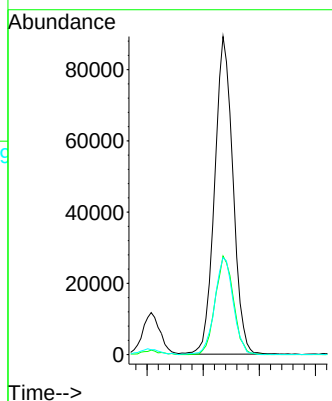
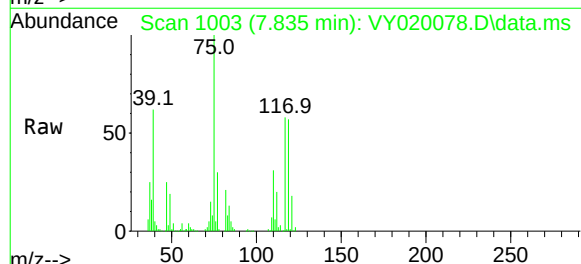
Tgt Ion: 75 Resp: 201893

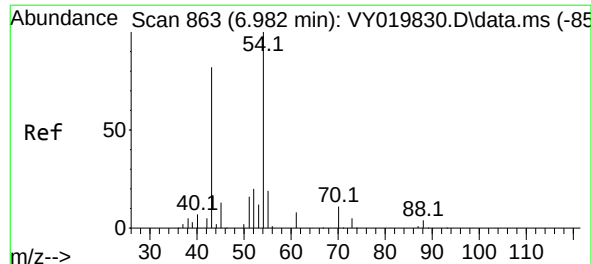
Ion Ratio Lower Upper

75 100

110 30.9 19.0 57.0

77 31.1 25.3 37.9





#37

Ethyl Acetate

Concen: 46.256 ug/l

RT: 6.988 min Scan# 863

Delta R.T. 0.007 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

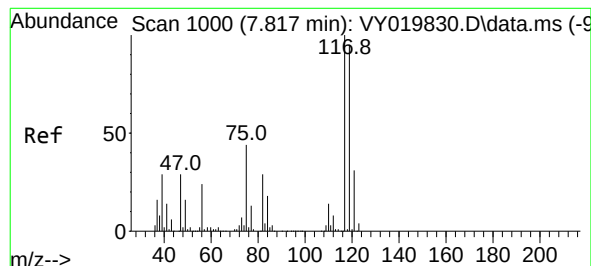
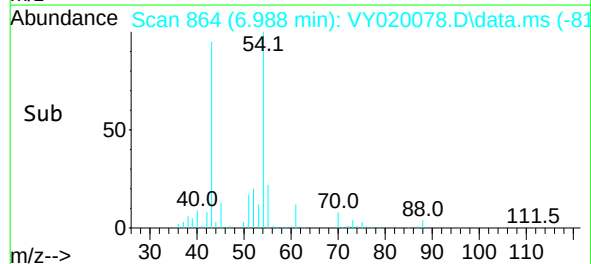
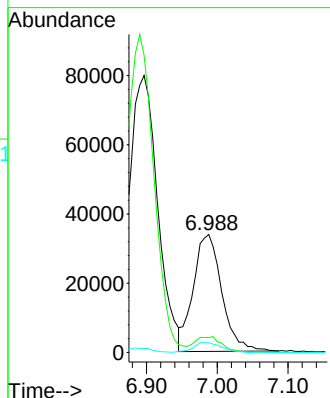
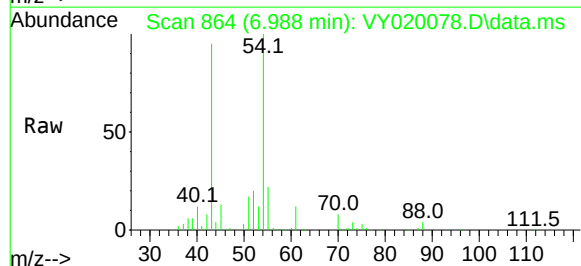
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	94588
Ion	Ratio	Lower	Upper
43	100		
61	12.6	12.6	19.0
70	8.4	7.8	11.8

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Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 48.133 ug/l

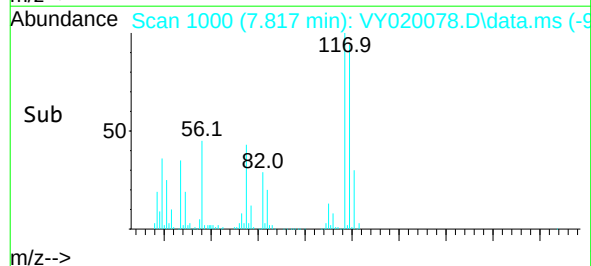
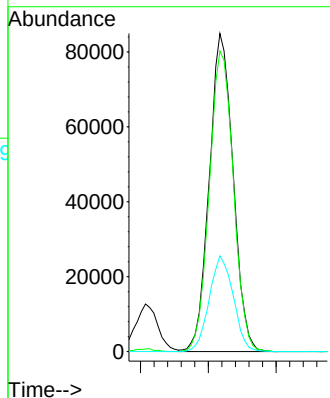
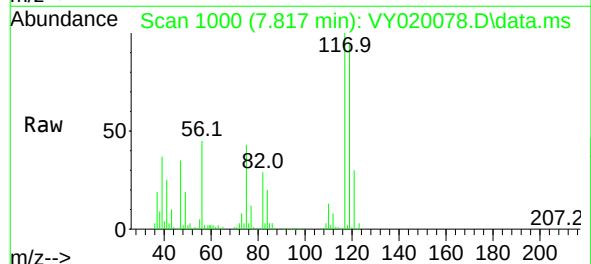
RT: 7.817 min Scan# 1000

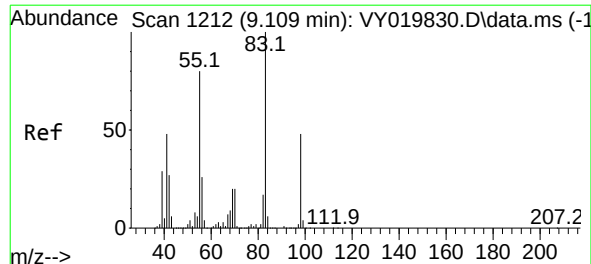
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	117	Resp:	207365
Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.8	113.6
121	30.1	24.0	36.0





#39

Methylcyclohexane

Concen: 47.915 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 259600

Ion Ratio Lower Upper

83 100

55 80.0 51.5 77.3

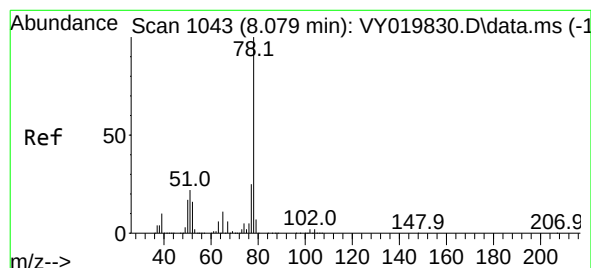
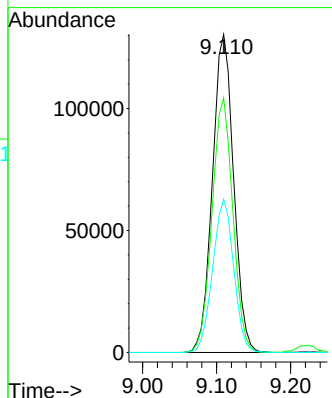
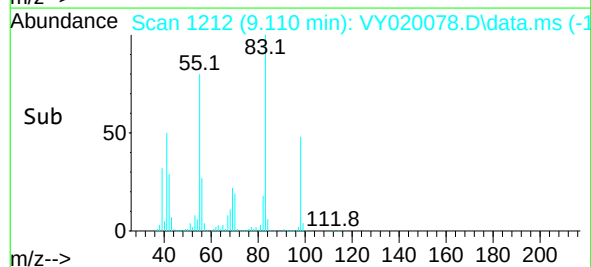
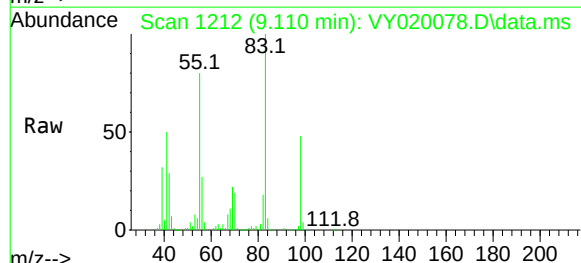
98 48.2 40.5 60.7

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Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#40

Benzene

Concen: 47.340 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020078.D

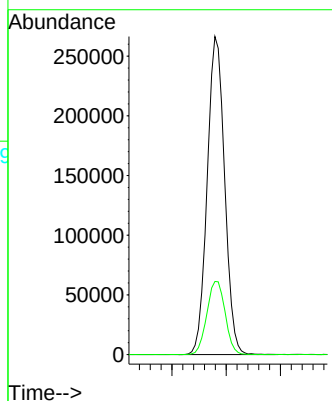
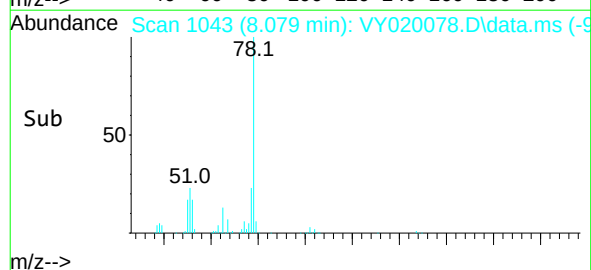
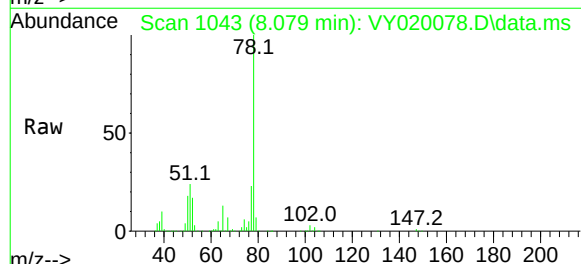
Acq: 30 Oct 2024 14:06

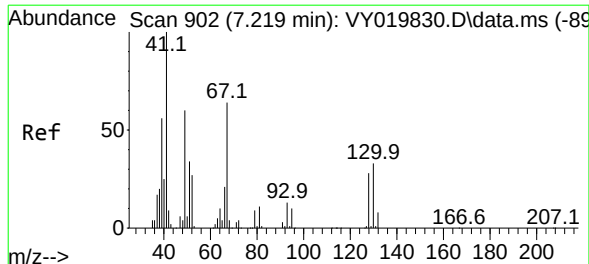
Tgt Ion: 78 Resp: 594896

Ion Ratio Lower Upper

78 100

77 23.0 19.5 29.3





#41

Methacrylonitrile

Concen: 38.864 ug/l m

RT: 7.232 min Scan# 902

Delta R.T. 0.013 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

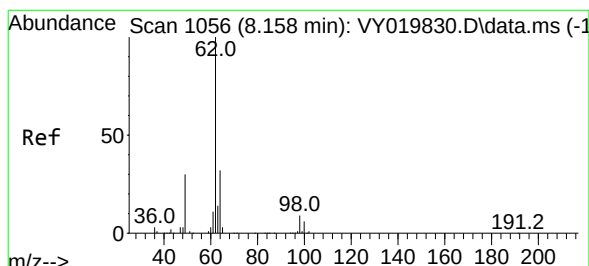
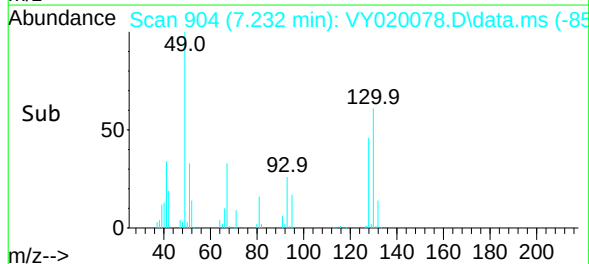
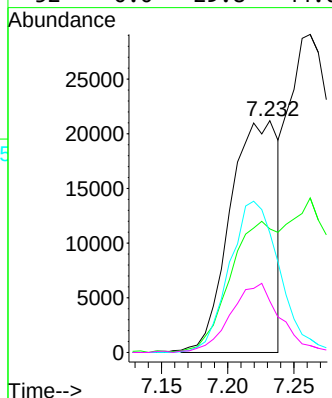
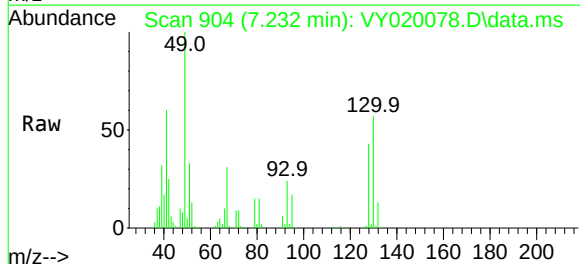
ClientSampleId :

VSTDICCC050

Tgt Ion: 41	Resp: 53405
Ion Ratio	Lower Upper
41	100
39	0.0 48.0 72.0#
67	0.0 75.1 112.7#
52	0.0 29.8 44.6#

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Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#42

1,2-Dichloroethane

Concen: 47.442 ug/l

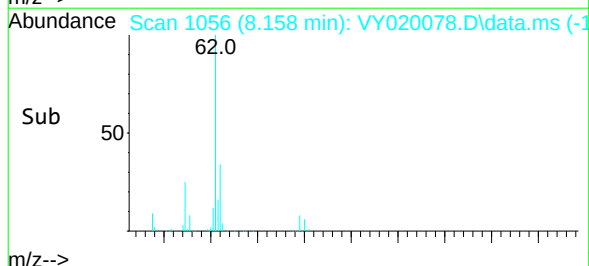
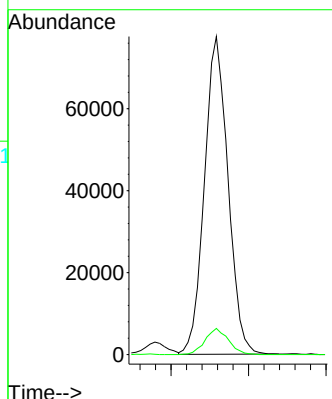
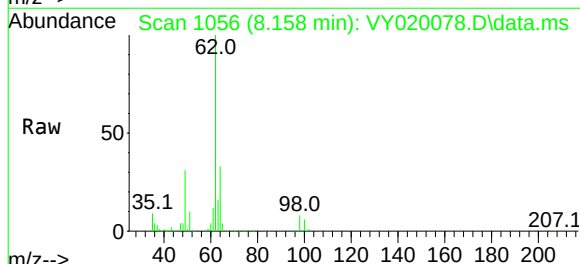
RT: 8.158 min Scan# 1056

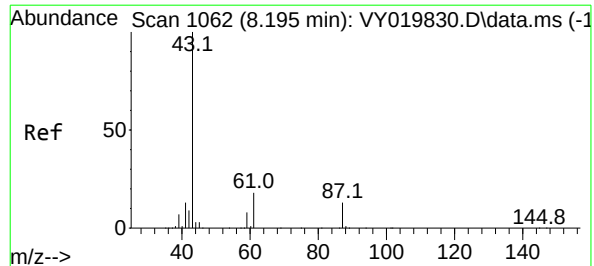
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion: 62	Resp: 163735
Ion Ratio	Lower Upper
62	100
98	8.2 0.0 22.0





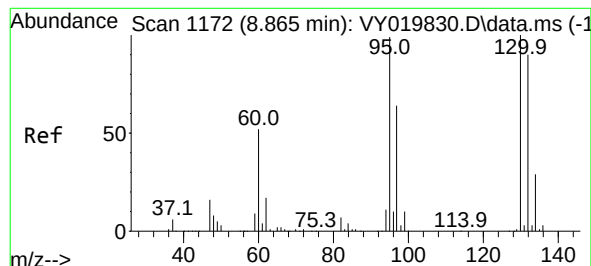
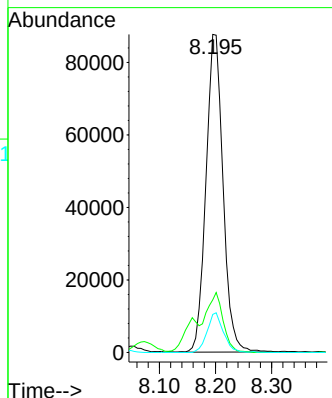
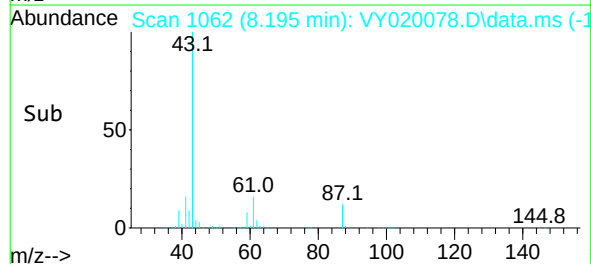
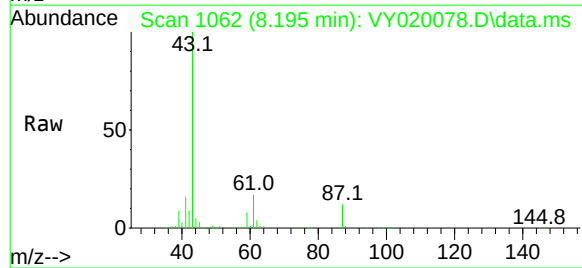
#43
Isopropyl Acetate
Concen: 48.366 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 185022
Ion Ratio Lower Upper
43 100
61 19.0 27.9 41.9#
87 11.9 13.1 19.7#

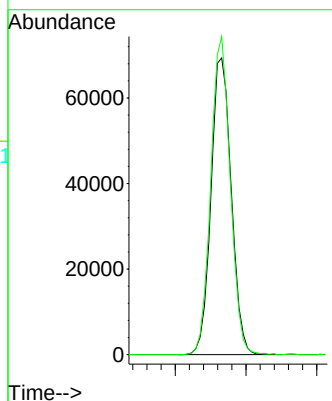
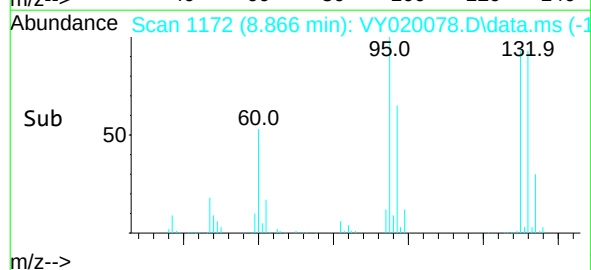
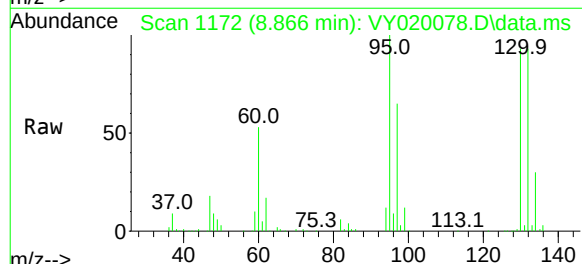
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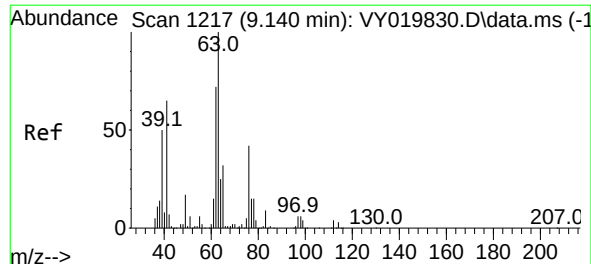
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#44
Trichloroethene
Concen: 47.292 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion:130 Resp: 137913
Ion Ratio Lower Upper
130 100
95 107.2 0.0 188.0





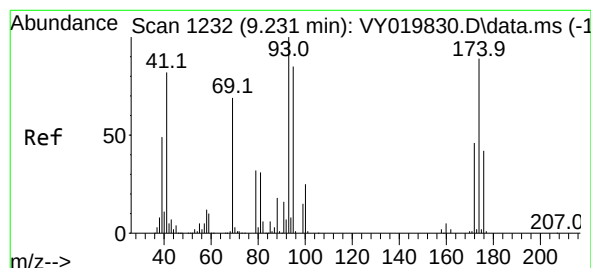
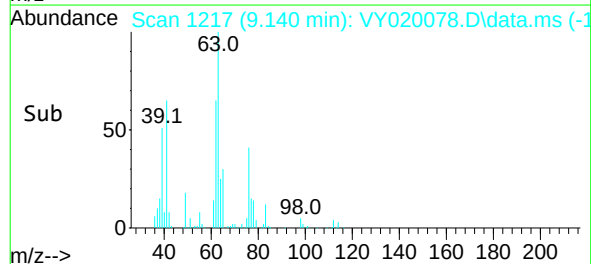
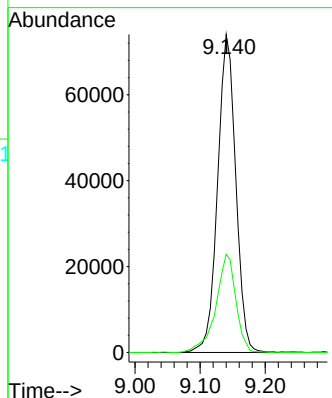
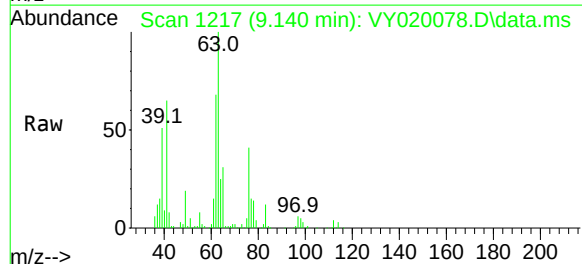
#45
1,2-Dichloropropane
Concen: 48.060 ug/l
RT: 9.140 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 143501
Ion Ratio Lower Upper
63 100
65 30.9 25.4 38.2

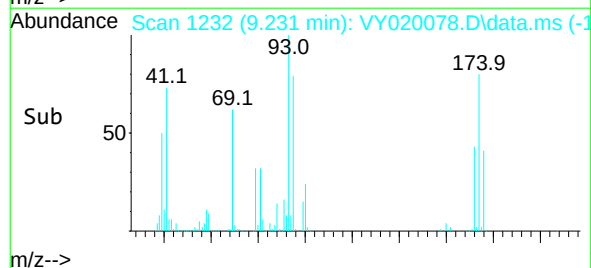
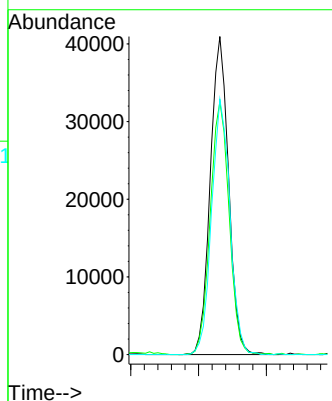
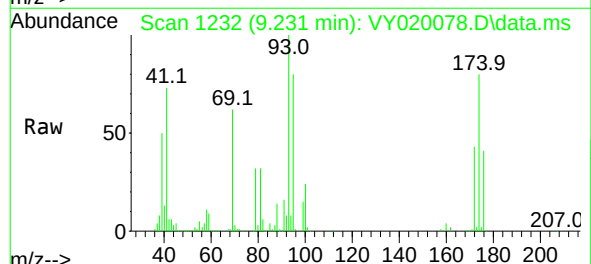
Manual Integrations
APPROVED

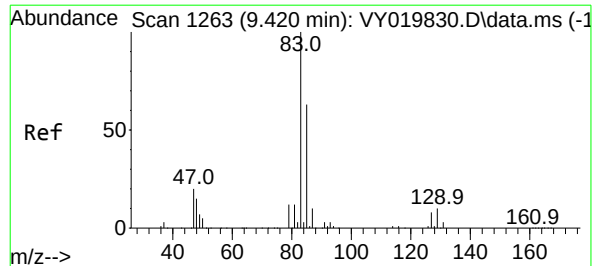
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#46
Dibromomethane
Concen: 47.720 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion: 93 Resp: 76956
Ion Ratio Lower Upper
93 100
95 81.7 66.2 99.4
174 80.4 80.9 121.3#





#47

Bromodichloromethane

Concen: 48.145 ug/l

RT: 9.420 min Scan# 12

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

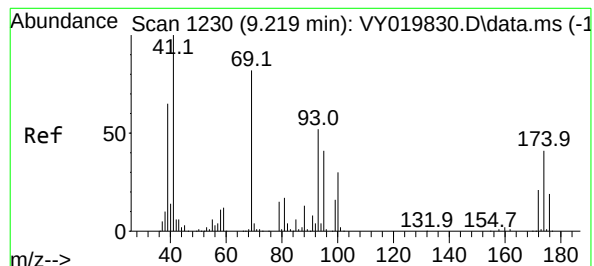
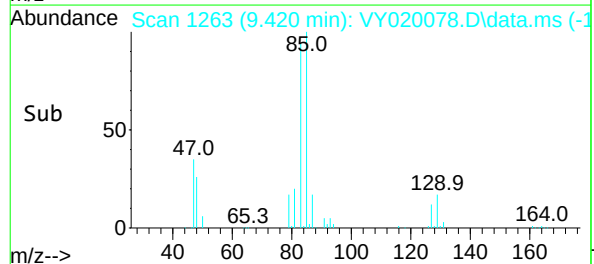
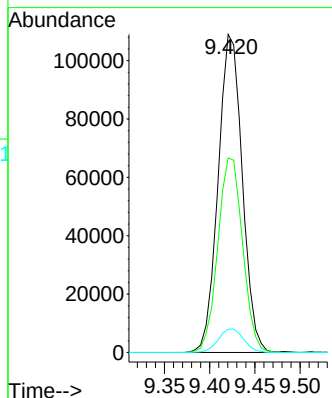
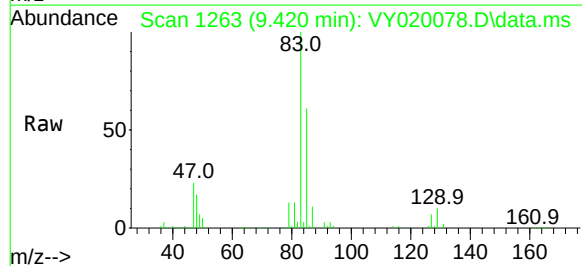
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	202425
Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.1	75.1
127	7.3	7.4	11.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48

Methyl methacrylate

Concen: 51.150 ug/l

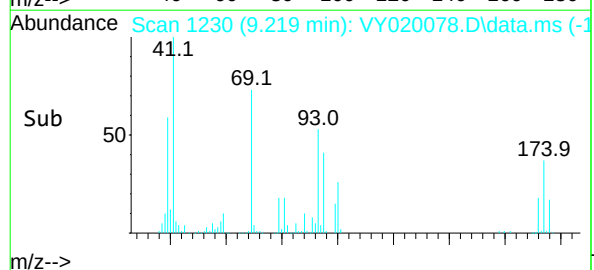
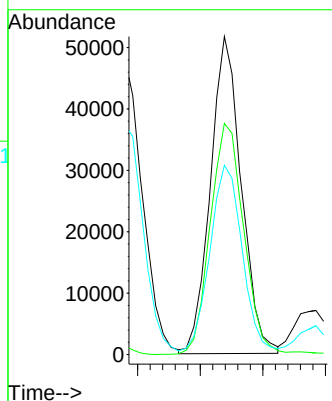
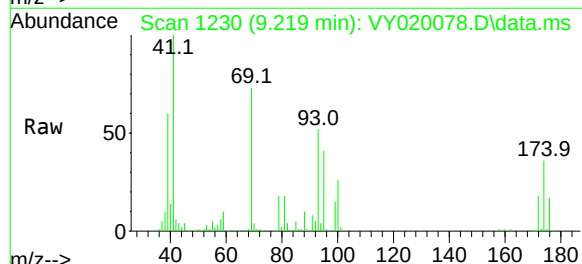
RT: 9.219 min Scan# 1230

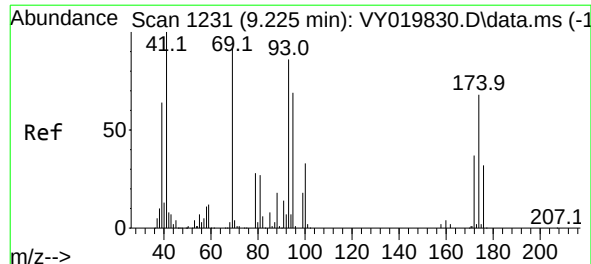
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	41	Resp:	88629
Ion	Ratio	Lower	Upper
41	100		
69	79.5	84.1	126.1
39	60.8	43.6	65.4





#49

1,4-Dioxane

Concen: 979.894 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 15719

Ion Ratio Lower Upper

88 100

43 38.5 0.0 0.0

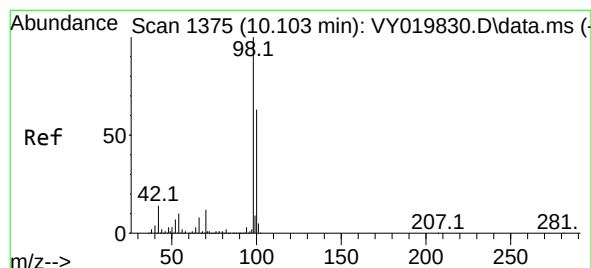
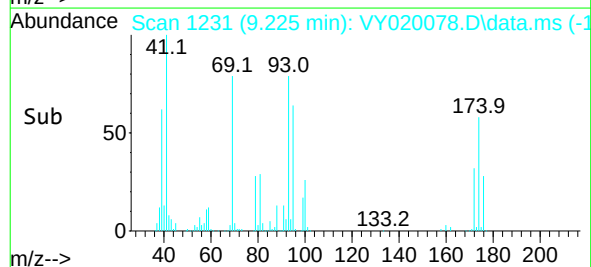
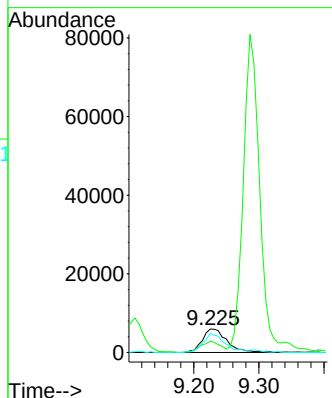
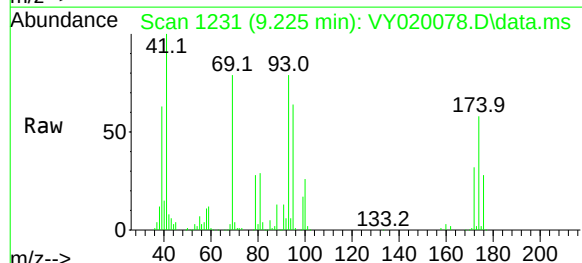
58 71.0 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#50

Toluene-d8

Concen: 50.479 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020078.D

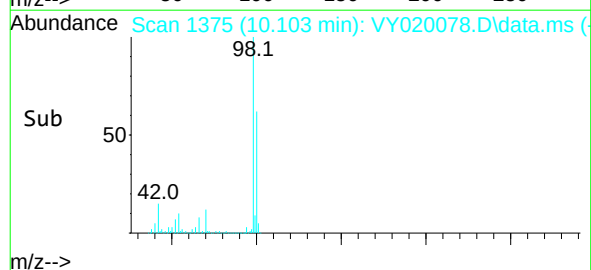
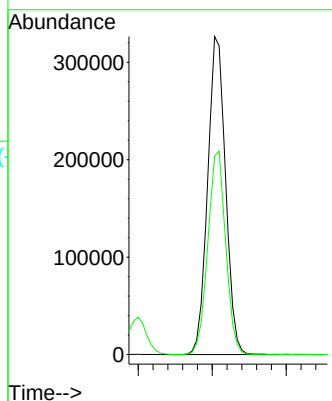
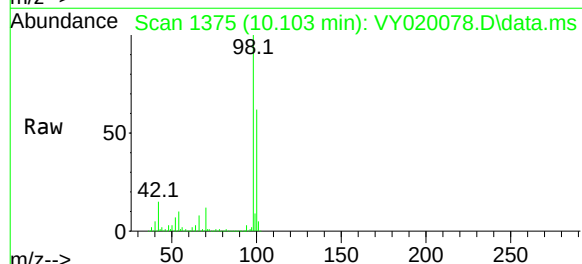
Acq: 30 Oct 2024 14:06

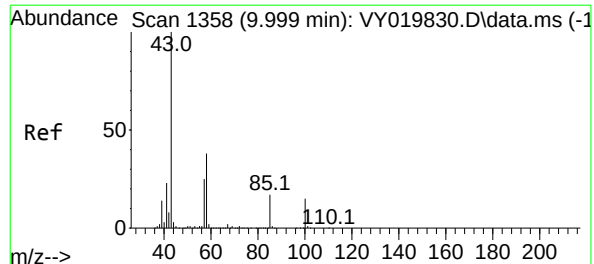
Tgt Ion: 98 Resp: 549379

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 251.440 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 491343

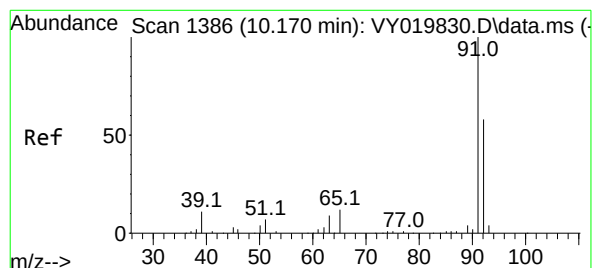
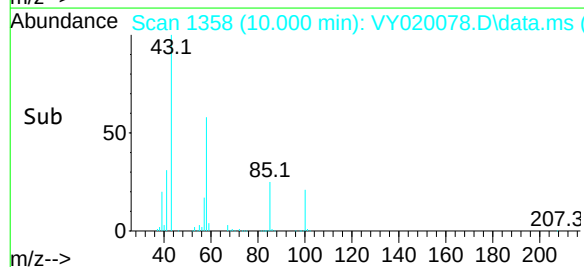
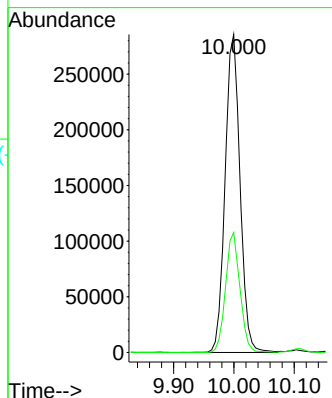
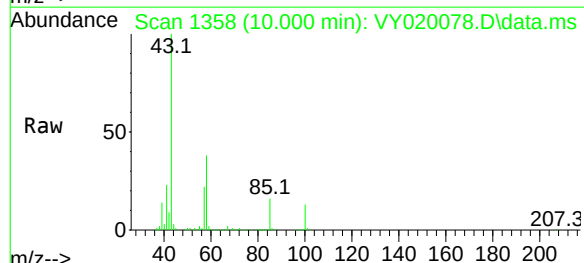
Ion Ratio Lower Upper

43 100

58 36.4 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#52

Toluene

Concen: 49.042 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020078.D

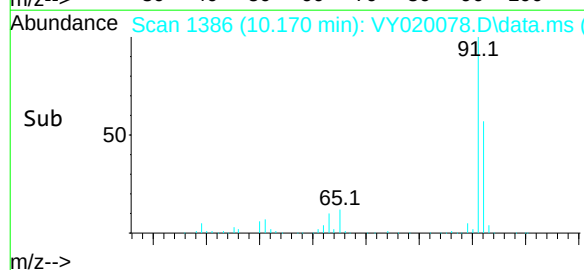
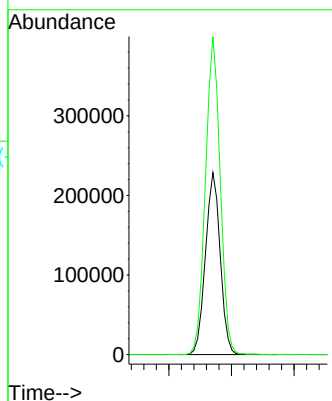
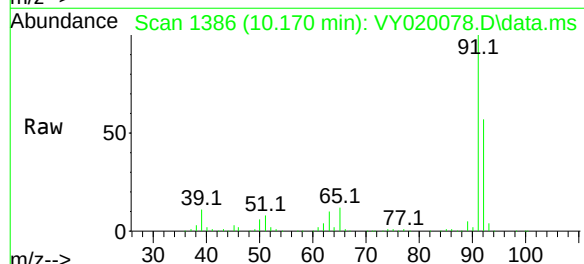
Acq: 30 Oct 2024 14:06

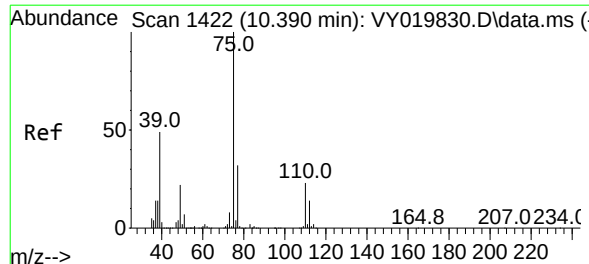
Tgt Ion: 92 Resp: 373718

Ion Ratio Lower Upper

92 100

91 175.3 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 49.960 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020078.D

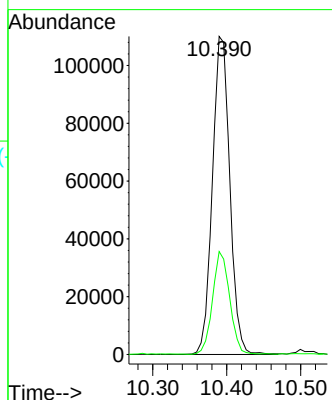
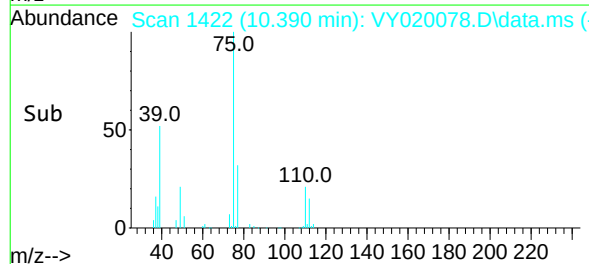
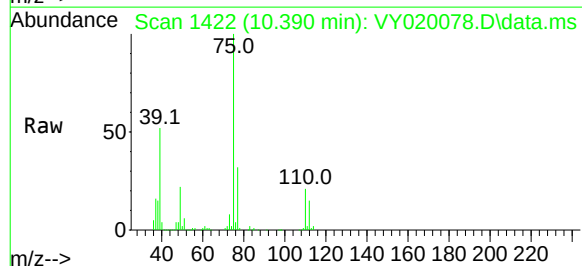
Acq: 30 Oct 2024 14:06

Tgt Ion: 75 Resp: 180112

Ion Ratio Lower Upper

75 100

77 32.3 24.1 36.1



Instrument :

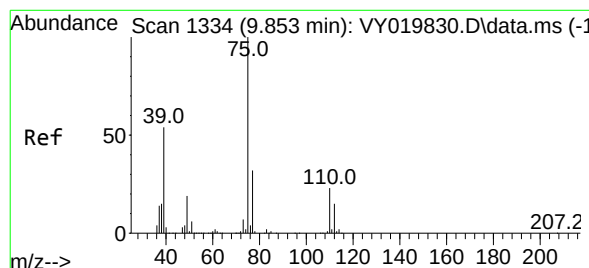
MSVOA_Y

ClientSampleId :

VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#54

cis-1,3-Dichloropropene

Concen: 50.058 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

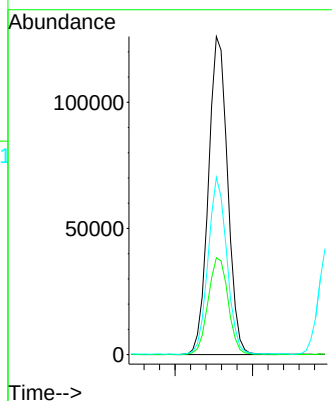
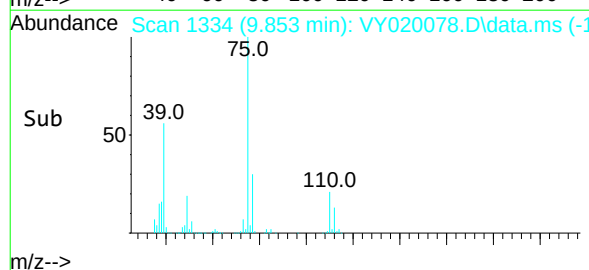
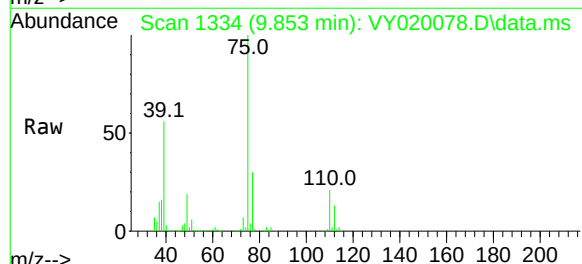
Tgt Ion: 75 Resp: 217155

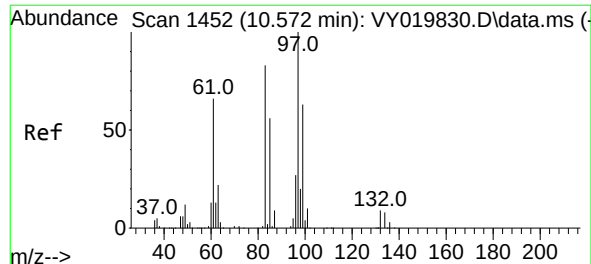
Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0

39 55.7 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 48.888 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion: 97 Resp: 96748

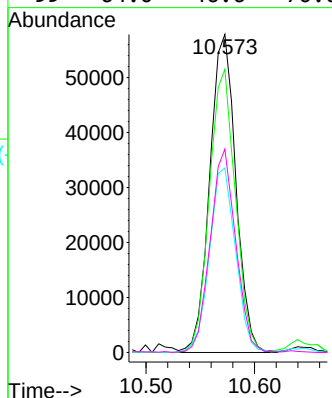
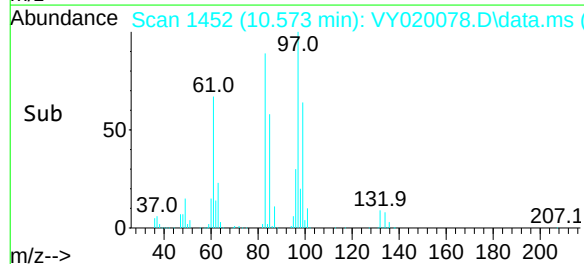
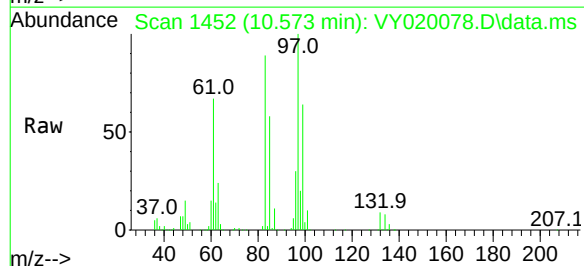
Ion Ratio Lower Upper

97 100

83 89.3 67.5 101.3

85 57.9 42.9 64.3

99 64.0 46.6 70.0



Instrument :

MSVOA_Y

ClientSampleId :

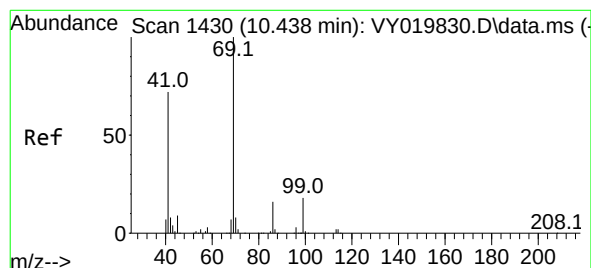
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#56

Ethyl methacrylate

Concen: 52.279 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

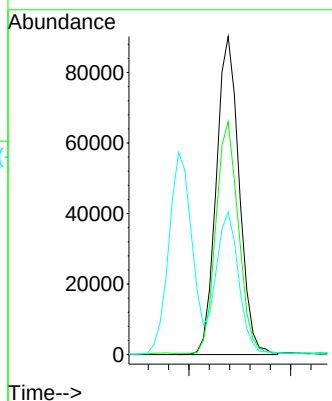
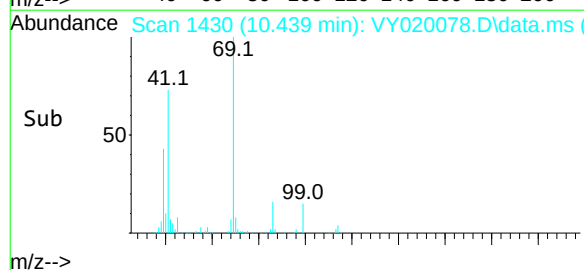
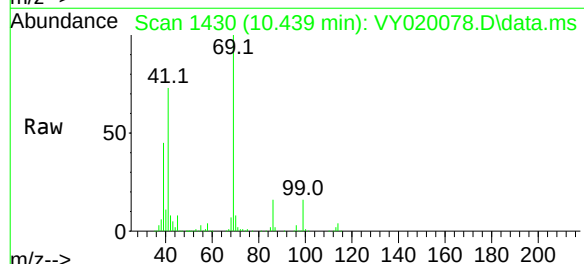
Tgt Ion: 69 Resp: 141354

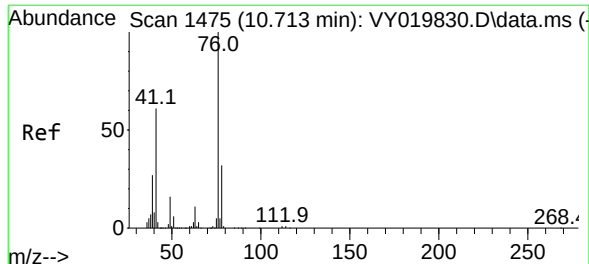
Ion Ratio Lower Upper

69 100

41 71.8 42.3 63.5#

39 43.7 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 48.342 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion: 76 Resp: 176327

Ion Ratio Lower Upper

76 100

78 33.8 26.2 39.4

Instrument :

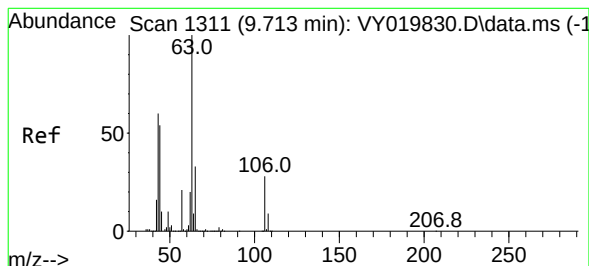
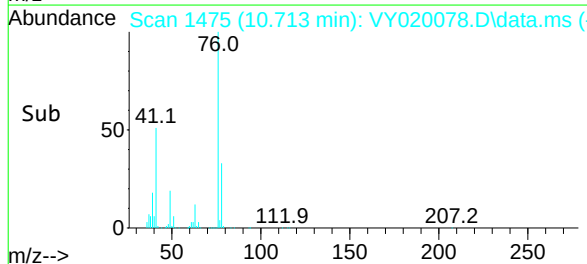
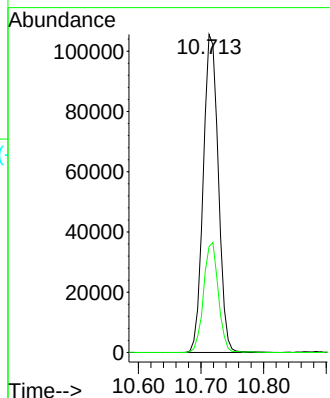
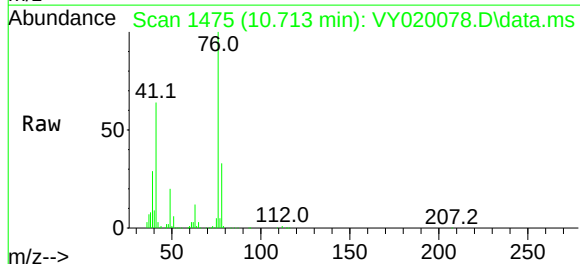
MSVOA_Y

ClientSampleId :

VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#58

2-Chloroethyl Vinyl ether

Concen: 260.896 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY020078.D

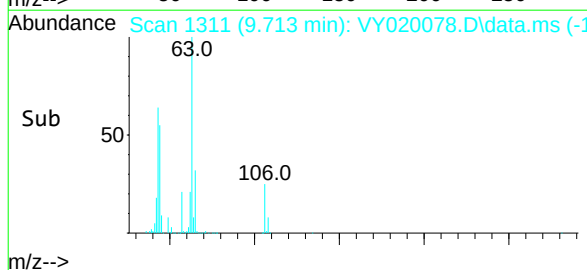
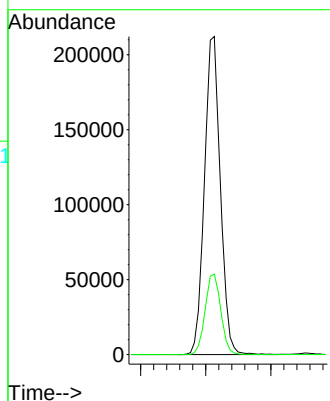
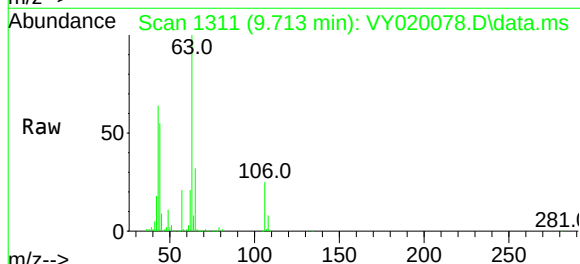
Acq: 30 Oct 2024 14:06

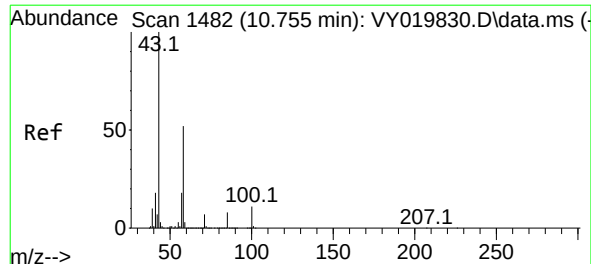
Tgt Ion: 63 Resp: 359790

Ion Ratio Lower Upper

63 100

106 25.0 23.7 35.5





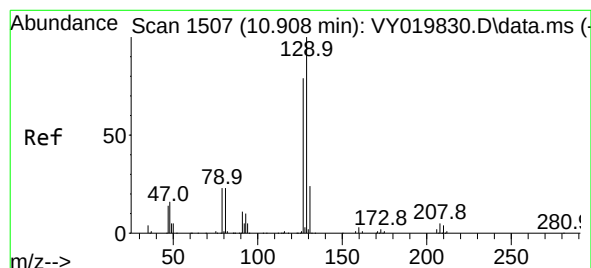
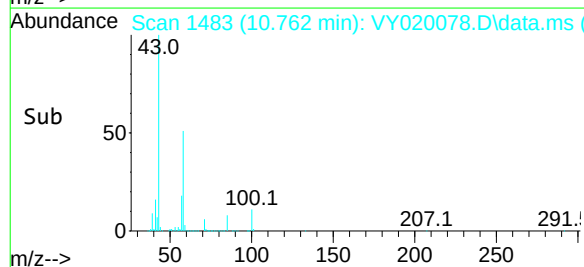
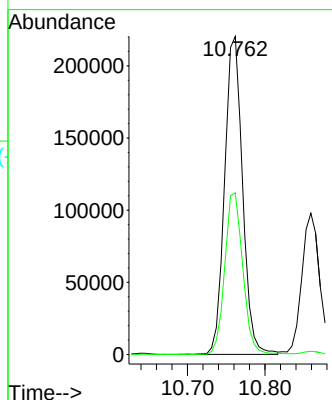
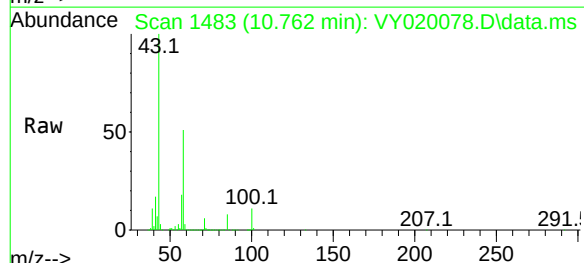
#59
2-Hexanone
Concen: 255.117 ug/l
RT: 10.762 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 353785
Ion Ratio Lower Upper
43 100
58 51.4 31.4 94.0

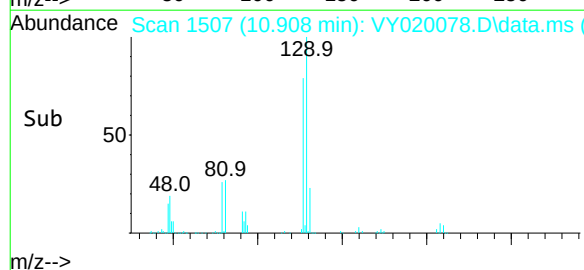
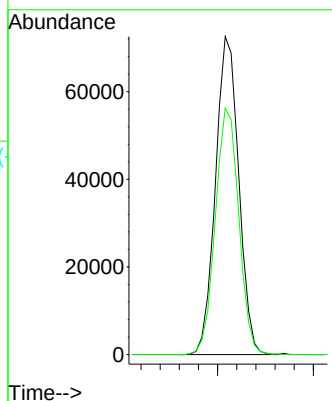
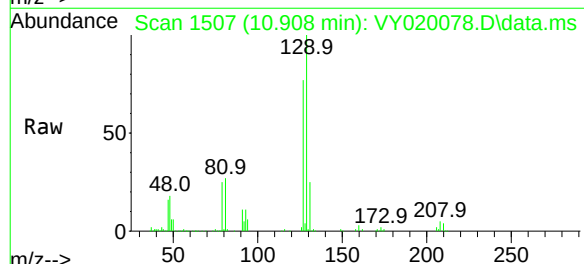
Manual Integrations
APPROVED

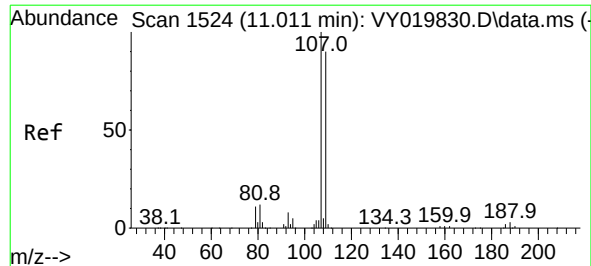
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#60
Dibromochloromethane
Concen: 49.155 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion:129 Resp: 122325
Ion Ratio Lower Upper
129 100
127 78.3 39.0 117.0





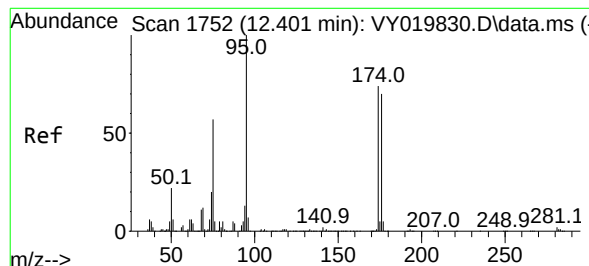
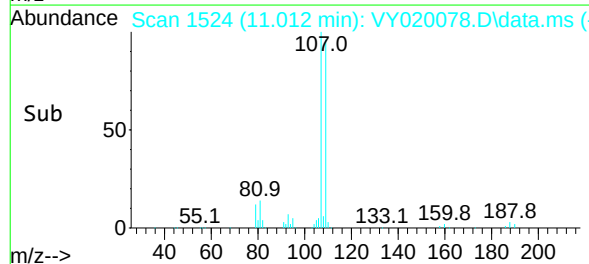
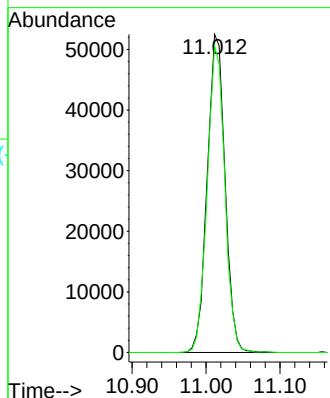
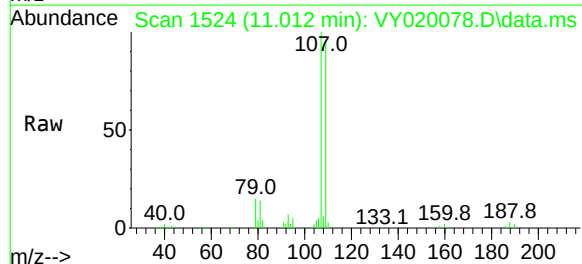
#61
1,2-Dibromoethane
Concen: 47.280 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 87760
Ion Ratio Lower Upper
107 100
109 95.2 75.9 113.9

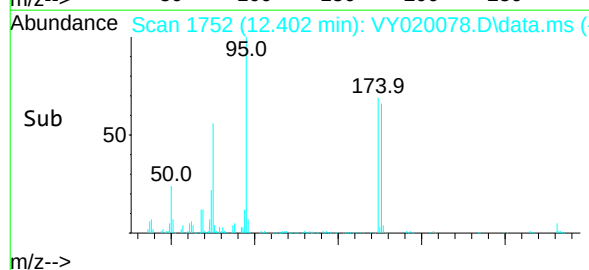
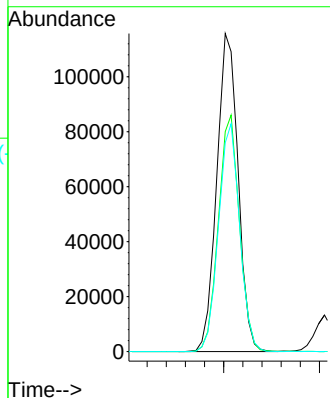
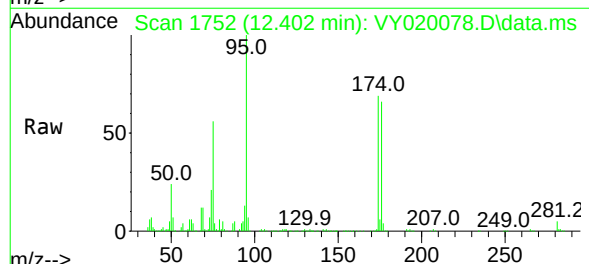
Manual Integrations
APPROVED

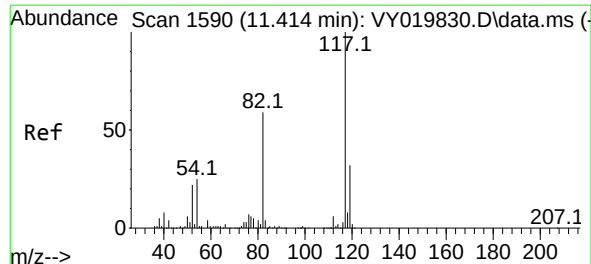
Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#62
4-Bromofluorobenzene
Concen: 51.568 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion: 95 Resp: 179271
Ion Ratio Lower Upper
95 100
174 73.2 0.0 175.6
176 70.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 390884

Ion Ratio Lower Upper

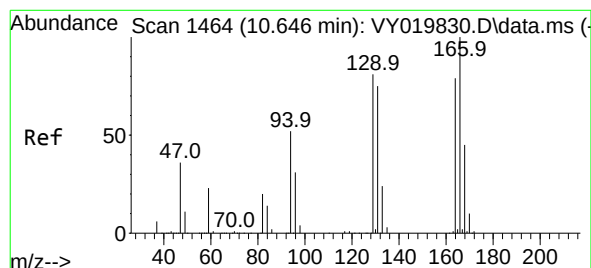
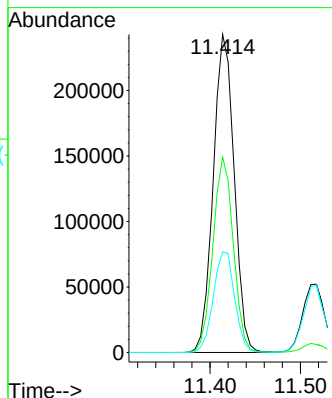
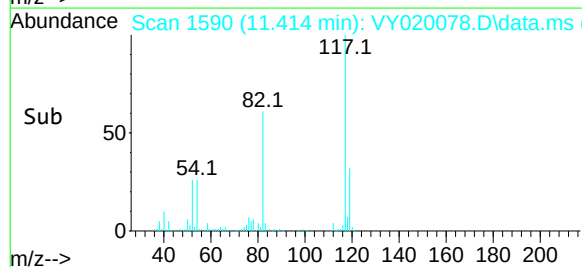
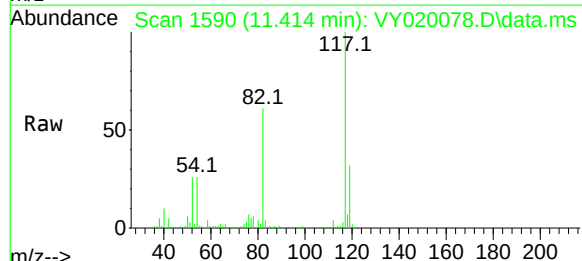
117 100

82 61.5 42.4 63.6

119 31.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#64

Tetrachloroethene

Concen: 47.512 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:164 Resp: 120168

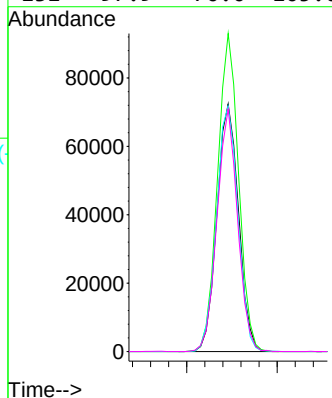
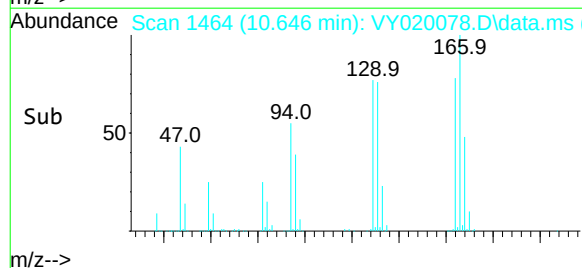
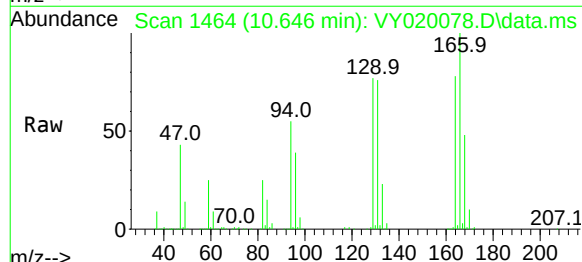
Ion Ratio Lower Upper

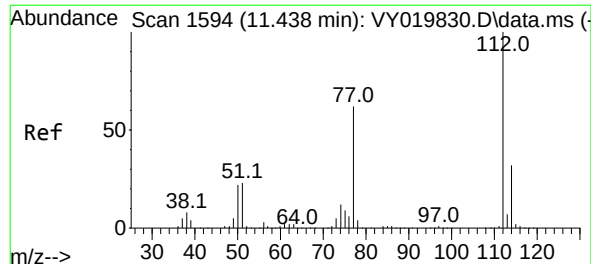
164 100

166 128.4 102.6 154.0

129 99.2 72.0 108.0

131 97.9 70.0 105.0





#65

Chlorobenzene

Concen: 47.788 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 388015

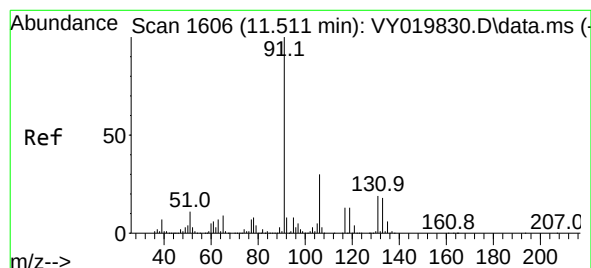
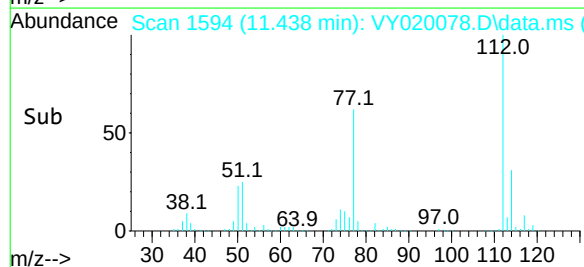
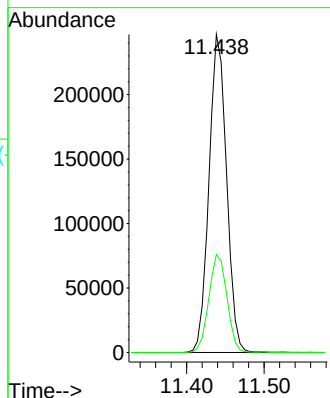
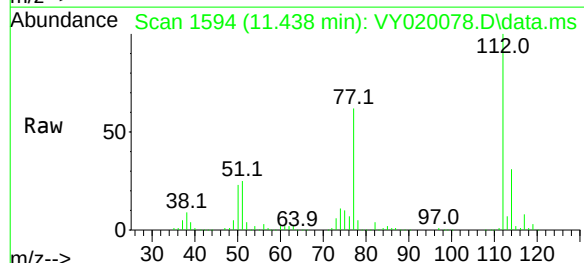
Ion Ratio Lower Upper

112 100

114 30.8 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#66

1,1,1,2-Tetrachloroethane

Concen: 48.591 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

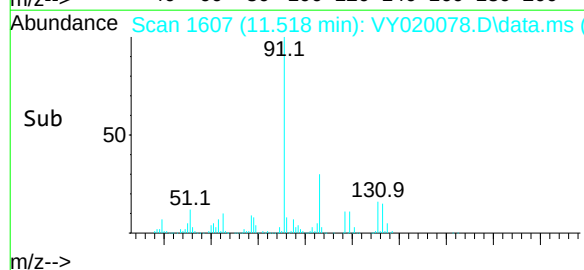
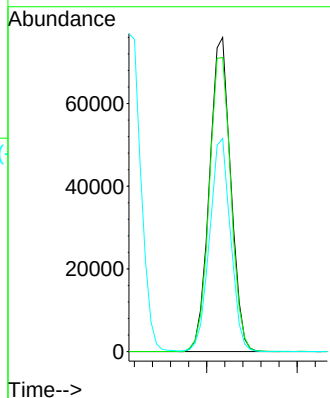
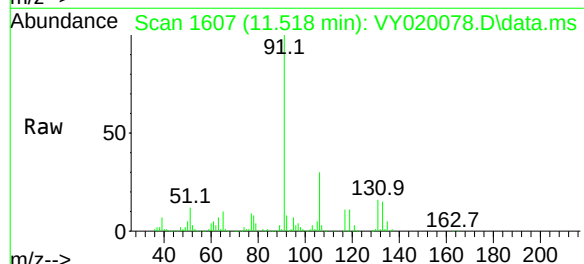
Tgt Ion:131 Resp: 124101

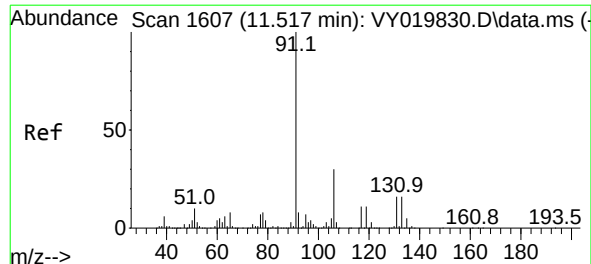
Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

119 66.8 34.1 102.2





#67

Ethyl Benzene

Concen: 48.646 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion: 91 Resp: 733155

Ion Ratio Lower Upper

91 100

106 30.1 24.5 36.7

Instrument :

MSVOA_Y

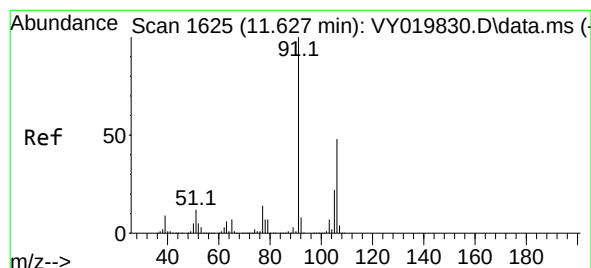
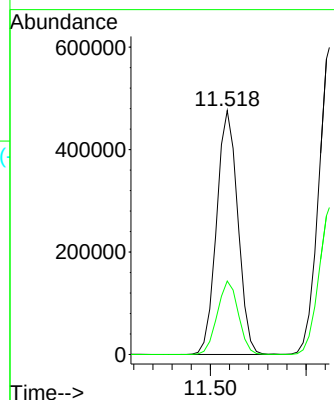
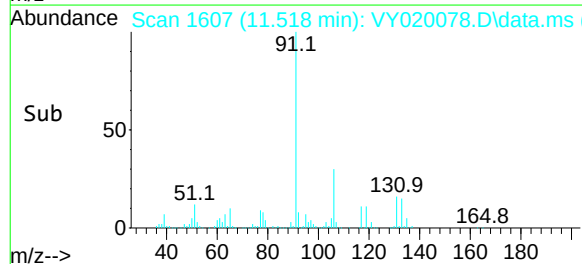
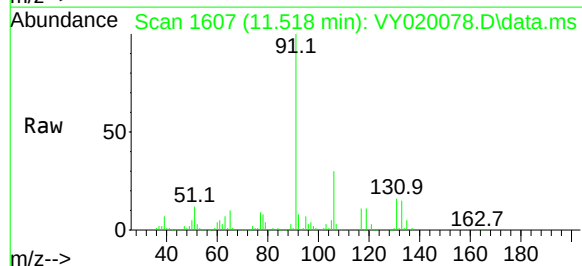
ClientSampleId :

VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#68

m/p-Xylenes

Concen: 98.423 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020078.D

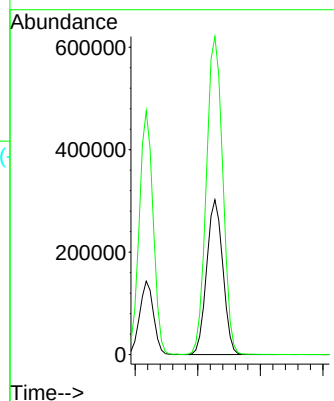
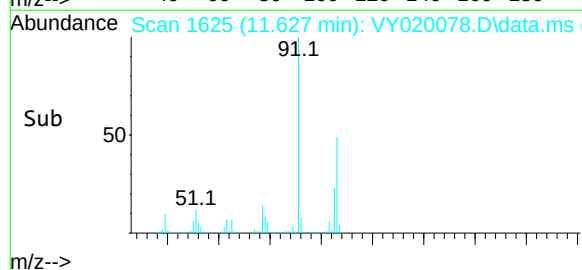
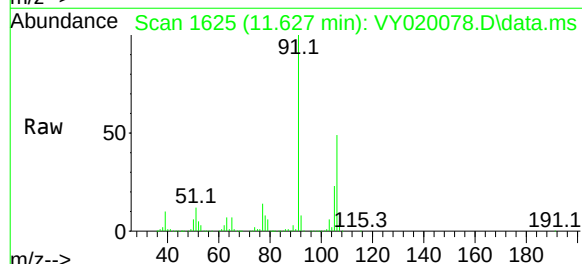
Acq: 30 Oct 2024 14:06

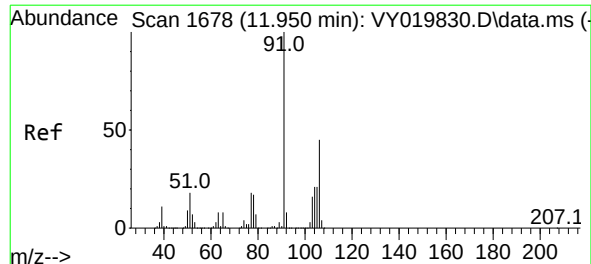
Tgt Ion:106 Resp: 540779

Ion Ratio Lower Upper

106 100

91 208.5 156.0 234.0





#69

o-Xylene

Concen: 48.985 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 253611

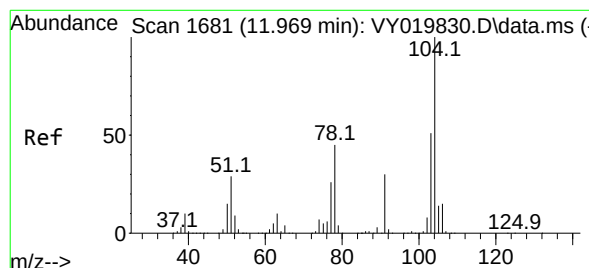
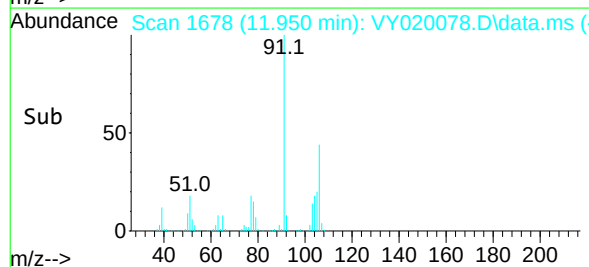
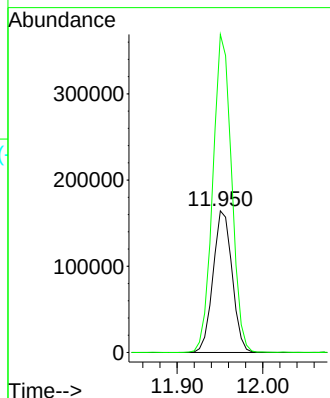
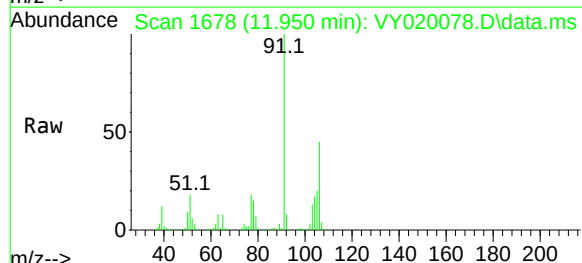
Ion Ratio Lower Upper

106 100

91 221.5 103.6 310.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#70

Styrene

Concen: 50.713 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

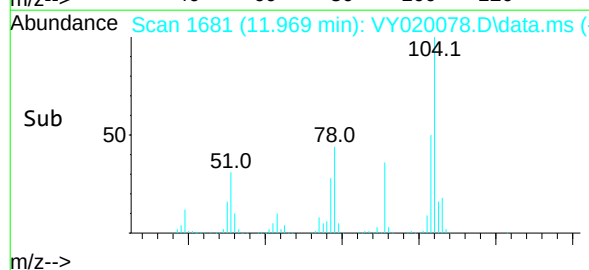
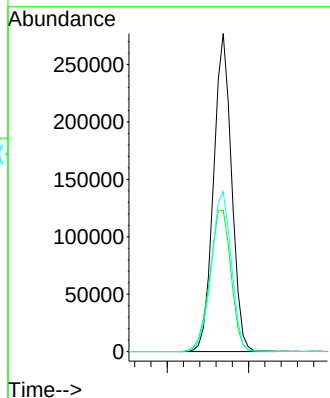
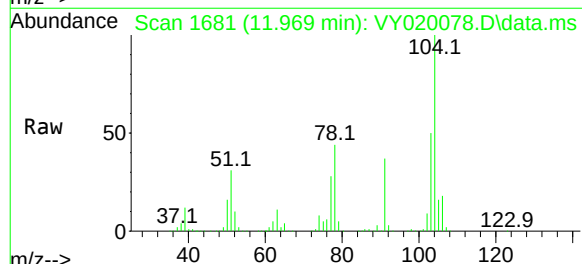
Tgt Ion:104 Resp: 427323

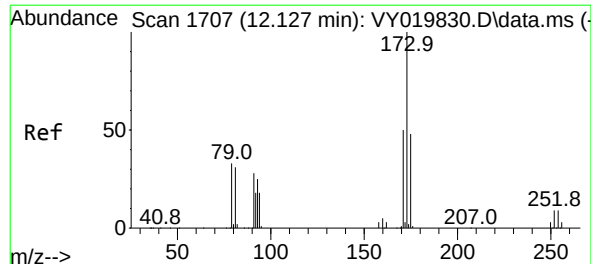
Ion Ratio Lower Upper

104 100

78 52.3 37.0 55.4

103 55.9 44.2 66.2





#71

Bromoform

Concen: 50.623 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

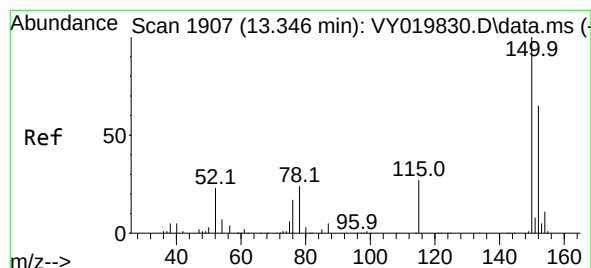
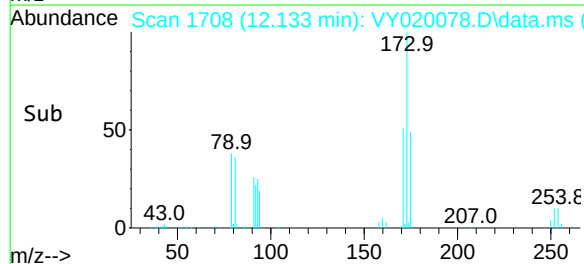
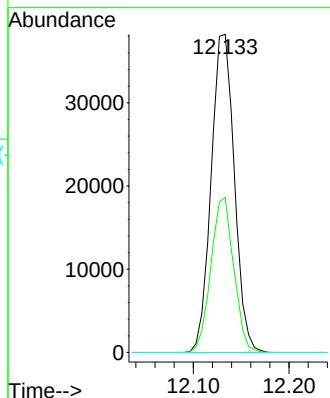
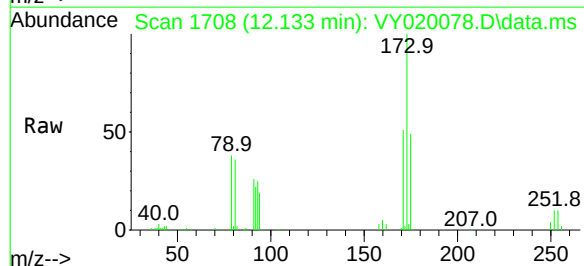
ClientSampleId :

VSTDICCC050

Tgt Ion:	173	Resp:	64353
Ion Ratio	Lower	Upper	
173	100		
175	48.0	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

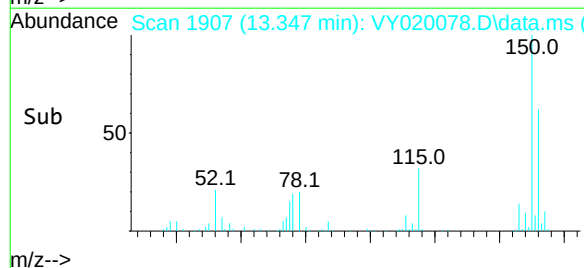
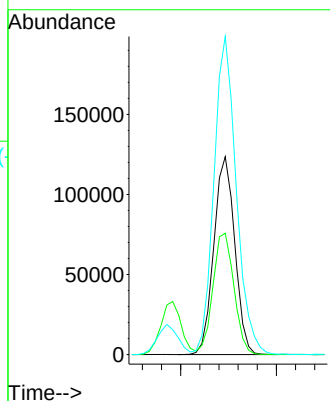
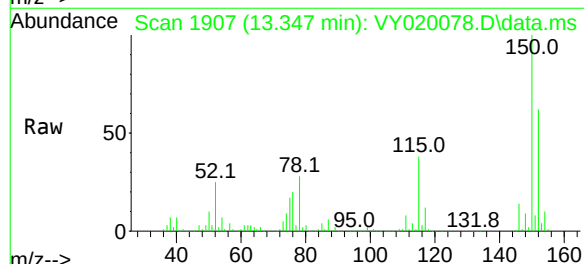
RT: 13.347 min Scan# 1907

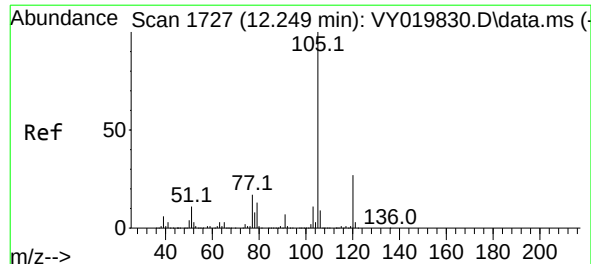
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	152	Resp:	187639
Ion Ratio	Lower	Upper	
152	100		
115	61.7	28.2	84.7
150	172.1	0.0	345.6





#73

Isopropylbenzene

Concen: 47.317 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 691368

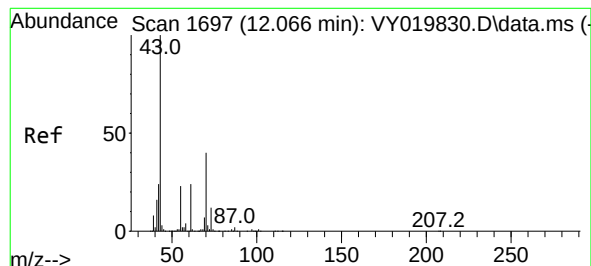
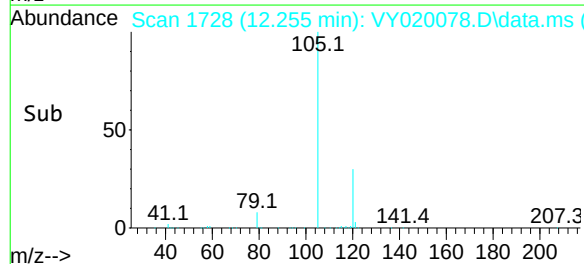
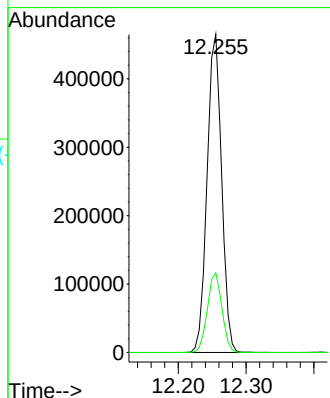
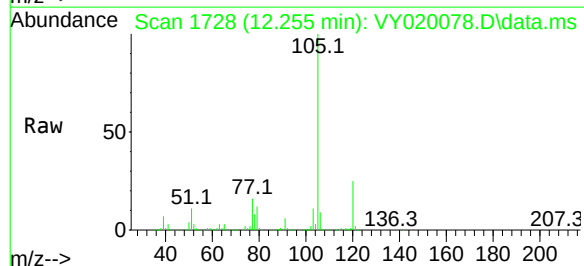
Ion Ratio Lower Upper

105 100

120 25.0 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#74

N-ethyl acetate

Concen: 50.105 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion: 43 Resp: 172232

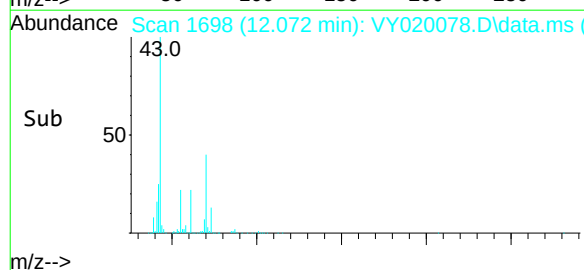
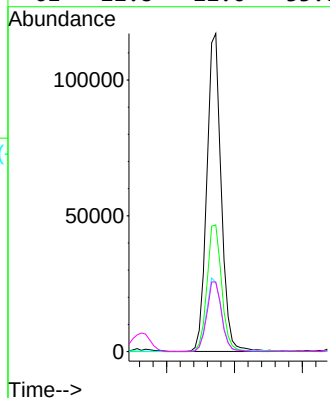
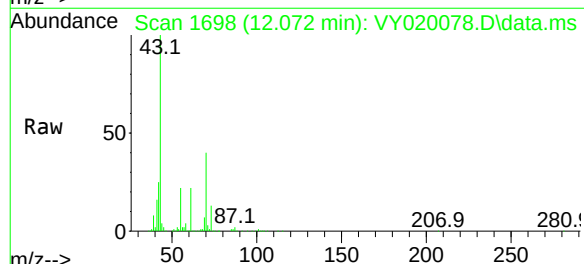
Ion Ratio Lower Upper

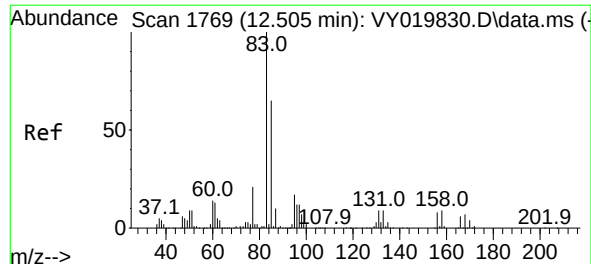
43 100

70 40.5 41.4 62.2#

55 24.3 23.3 34.9

61 22.8 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 45.482 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

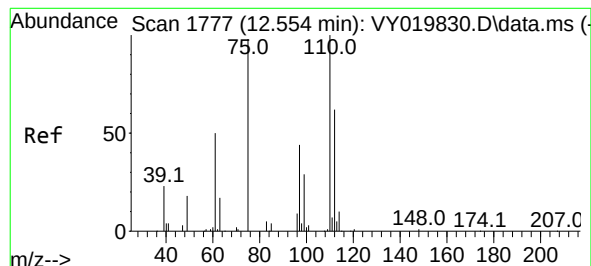
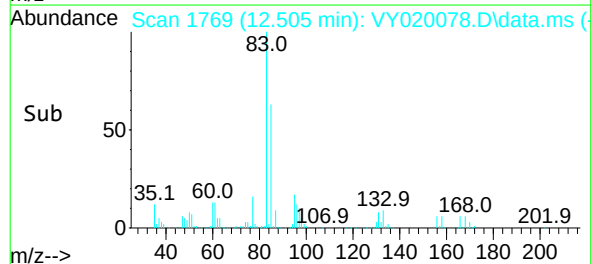
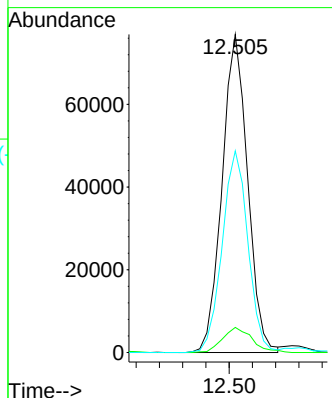
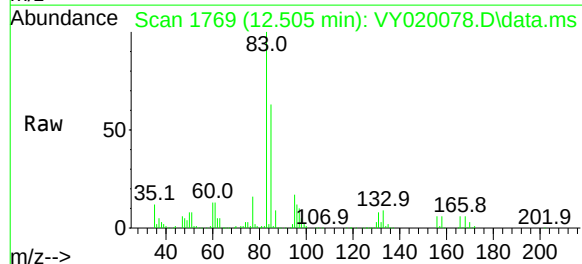
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	117149
Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.0	14.9
85	63.9	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 25.625 ug/l m

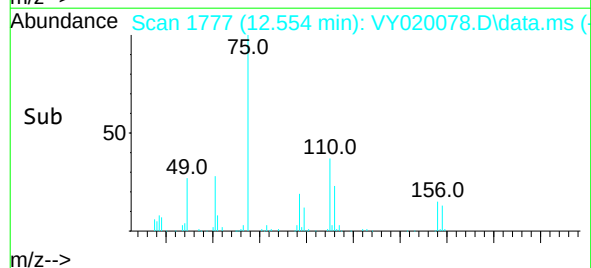
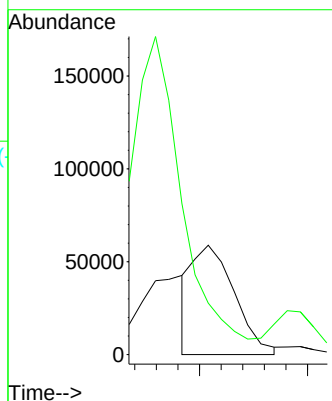
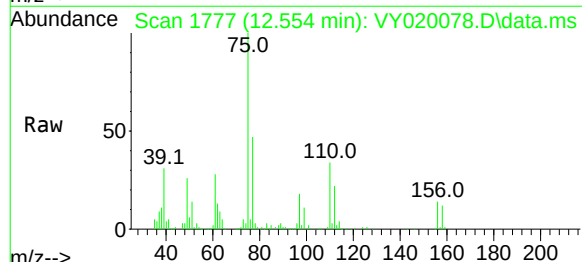
RT: 12.554 min Scan# 1777

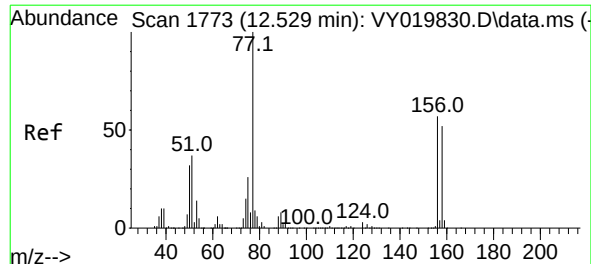
Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	75	Resp:	80285
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





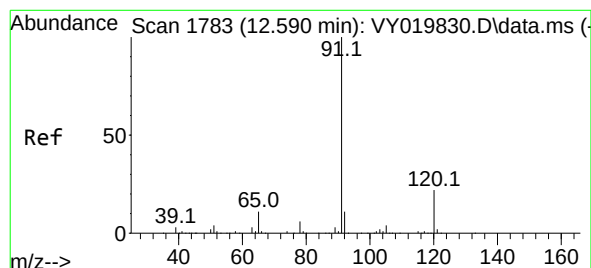
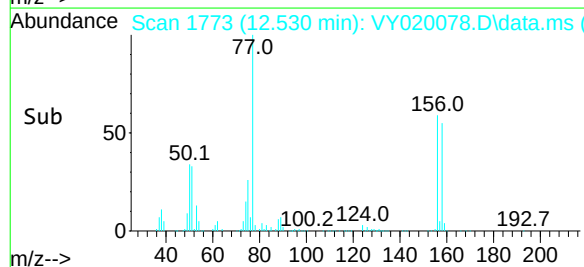
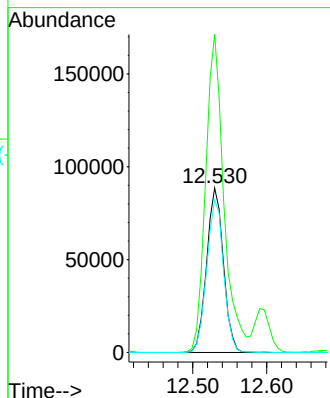
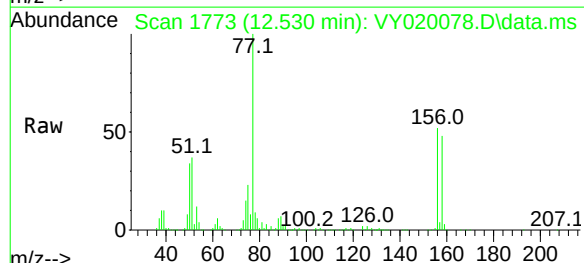
#77
Bromobenzene
Concen: 47.289 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion	156	Resp	139237
Ion Ratio	Lower	Upper	
156	100		
77	209.9	87.1	261.3
158	93.4	48.6	145.9

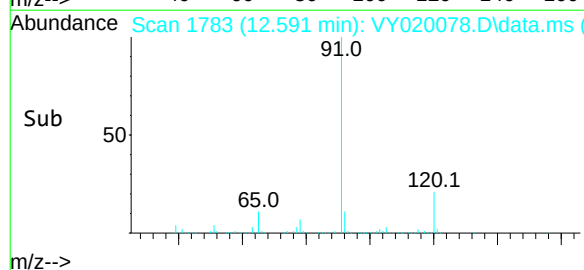
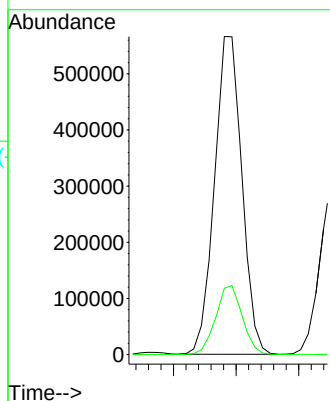
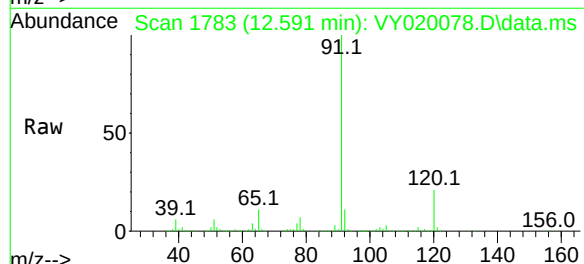
Manual Integrations
APPROVED

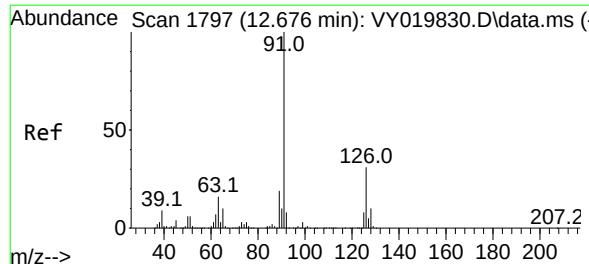
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#78
n-propylbenzene
Concen: 47.031 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY020078.D
Acq: 30 Oct 2024 14:06

Tgt Ion	91	Resp	859635
Ion Ratio	Lower	Upper	
91	100		
120	21.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 46.677 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 472269

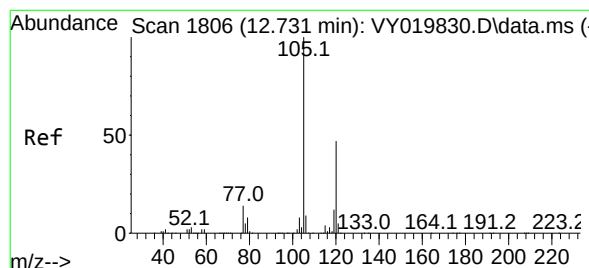
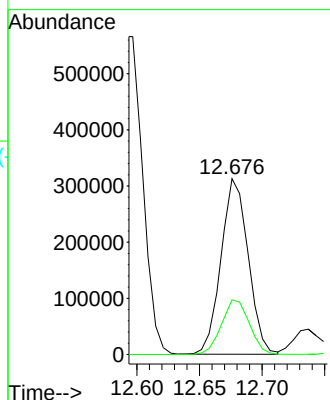
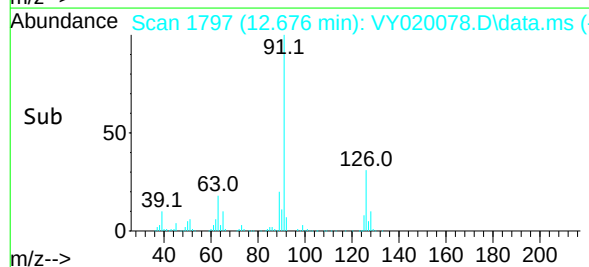
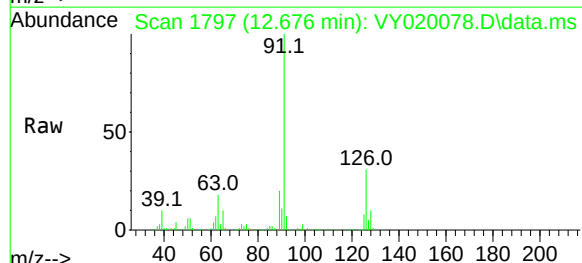
Ion Ratio Lower Upper

91 100

126 32.1 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#80

1,3,5-Trimethylbenzene

Concen: 47.687 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY020078.D

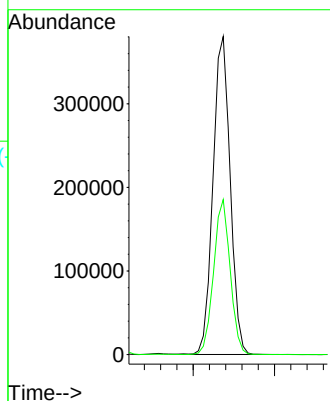
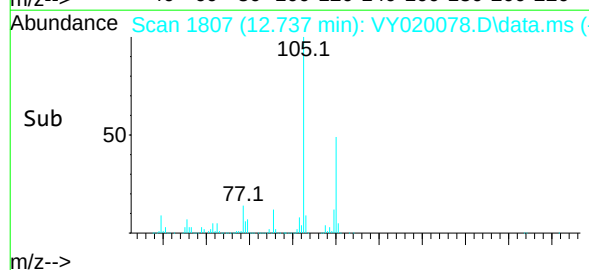
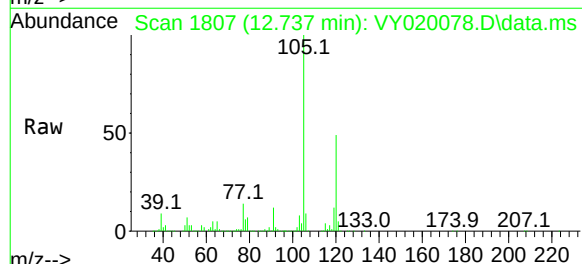
Acq: 30 Oct 2024 14:06

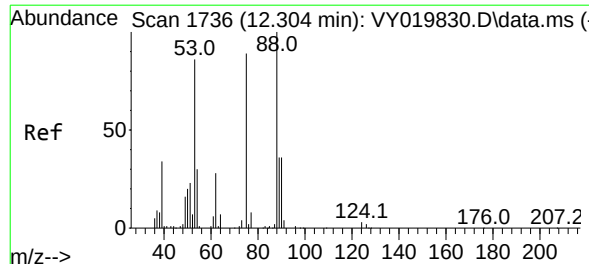
Tgt Ion:105 Resp: 557869

Ion Ratio Lower Upper

105 100

120 47.0 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.705 ug/l

RT: 12.298 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

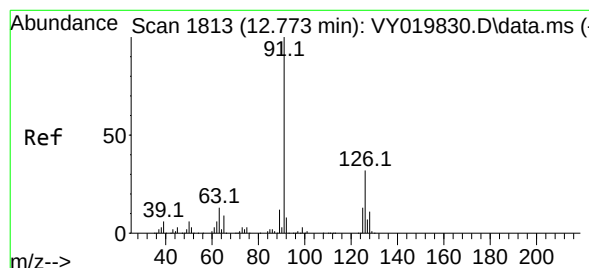
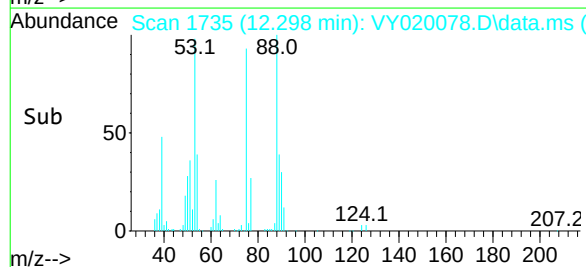
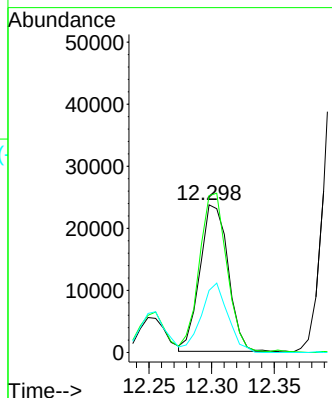
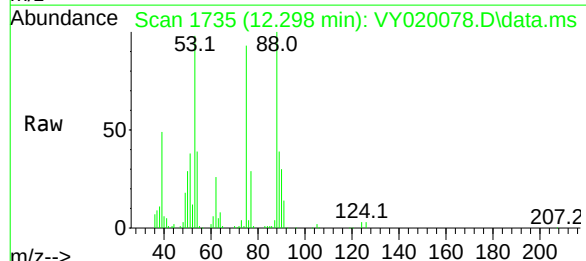
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	36981
Ion	Ratio	Lower	Upper
75	100		
53	105.7	66.8	100.2
89	45.0	35.8	53.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#82

4-Chlorotoluene

Concen: 47.584 ug/l

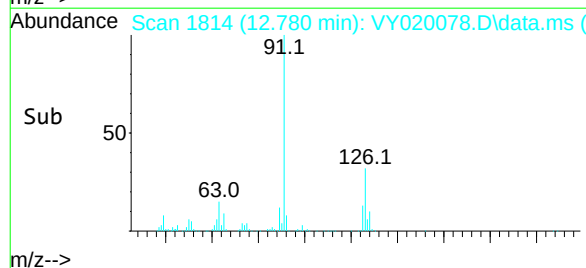
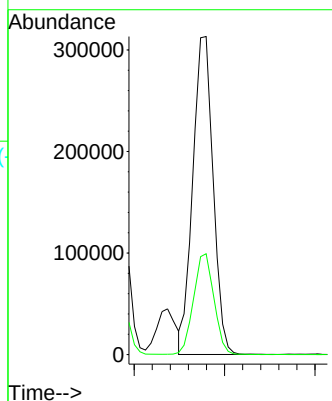
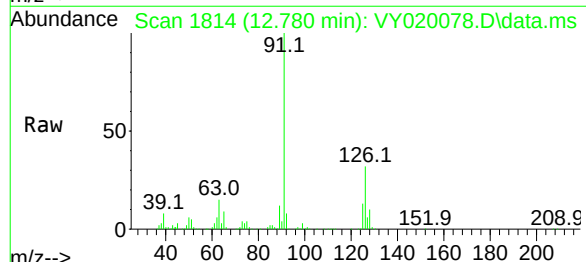
RT: 12.780 min Scan# 1814

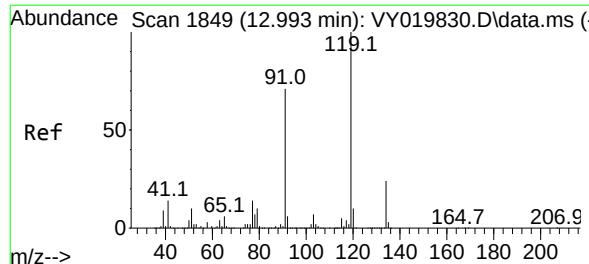
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	91	Resp:	488931
Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.6	52.9





#83

tert-Butylbenzene

Concen: 48.831 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 499937

Ion Ratio Lower Upper

119 100

91 67.5 31.3 93.8

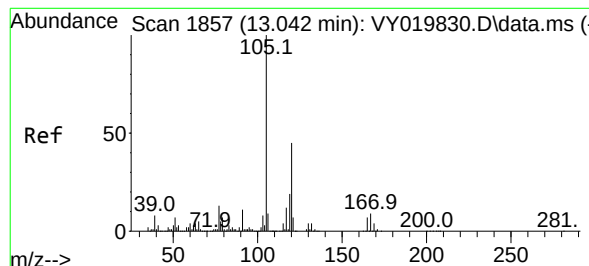
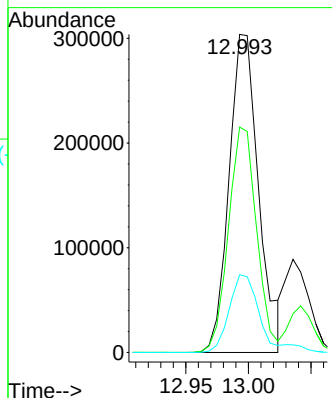
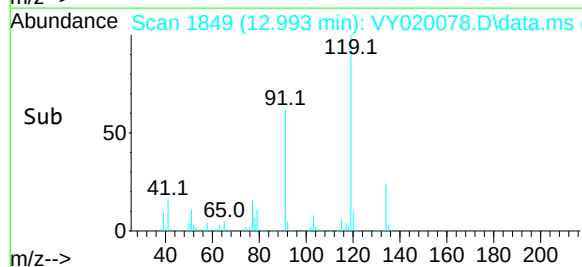
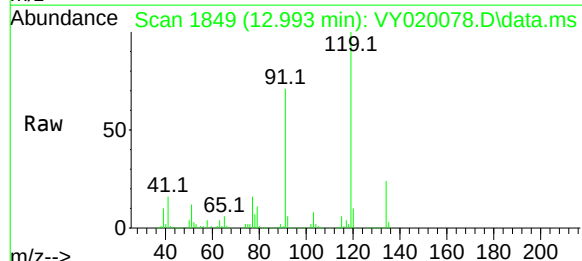
134 25.6 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#84

1,2,4-Trimethylbenzene

Concen: 48.105 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020078.D

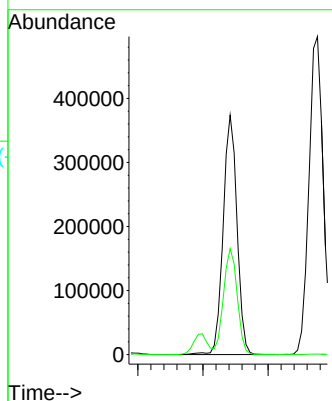
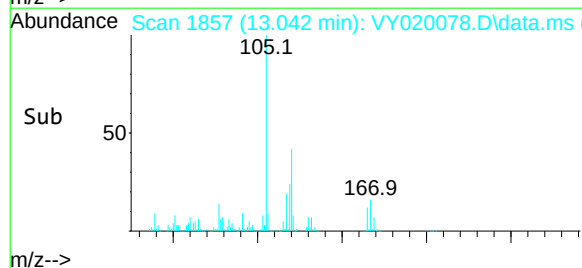
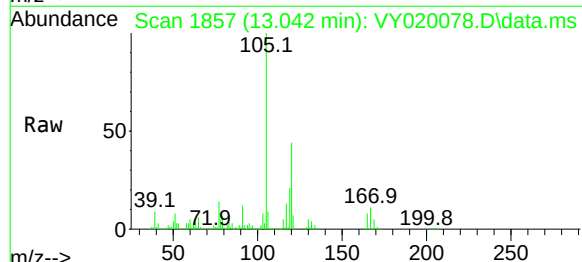
Acq: 30 Oct 2024 14:06

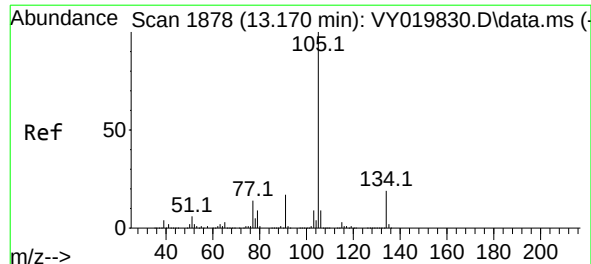
Tgt Ion:105 Resp: 552088

Ion Ratio Lower Upper

105 100

120 43.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 47.676 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 751015

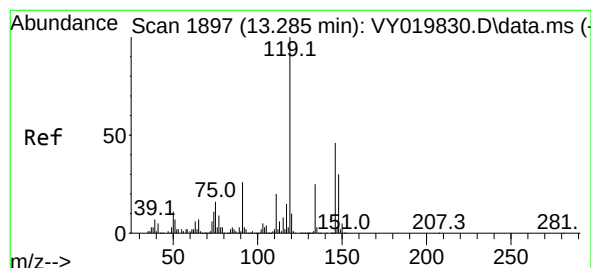
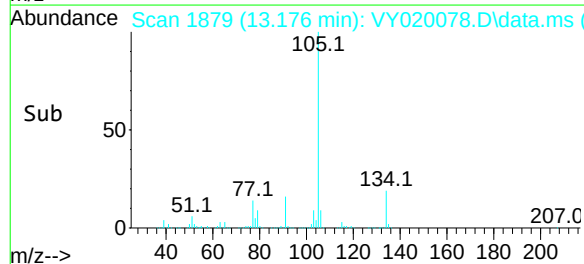
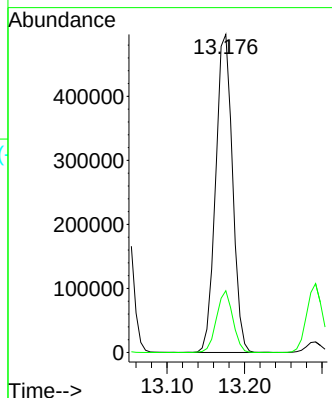
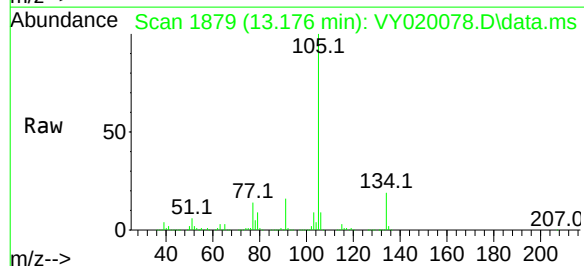
Ion Ratio Lower Upper

105 100

134 18.8 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#86

p-Isopropyltoluene

Concen: 48.620 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

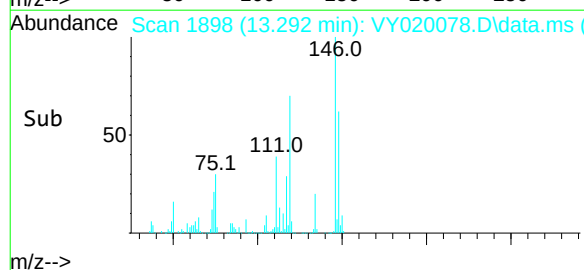
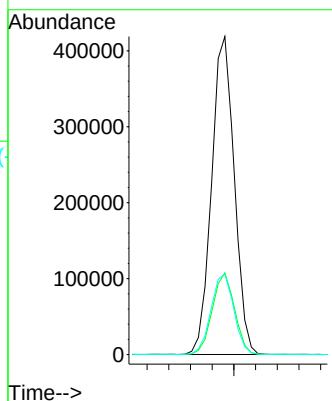
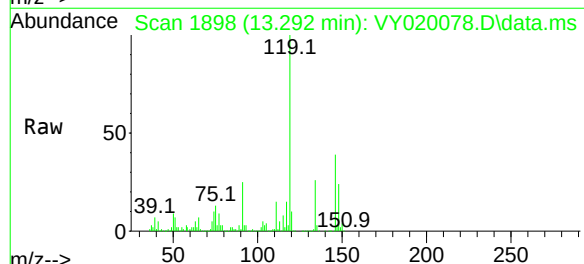
Tgt Ion:119 Resp: 606962

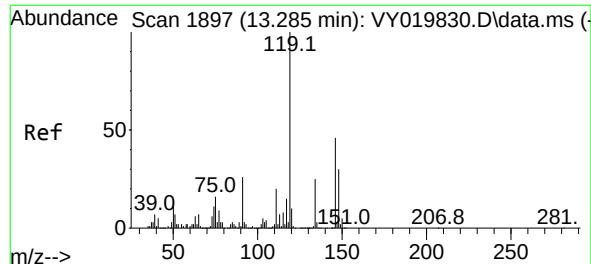
Ion Ratio Lower Upper

119 100

134 25.2 13.1 39.3

91 25.4 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 47.380 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

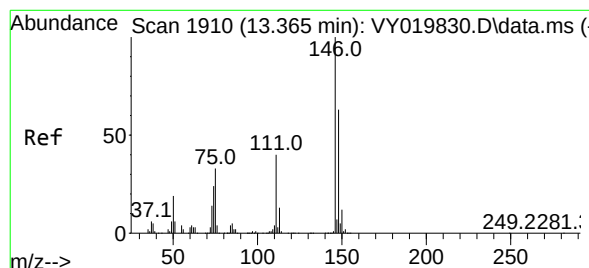
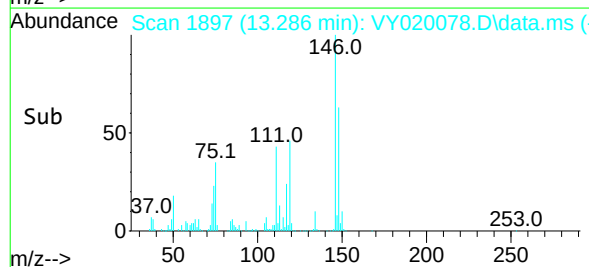
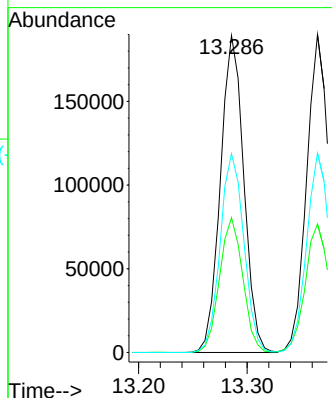
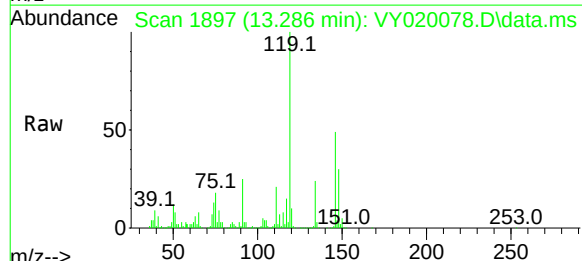
ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	283109
Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.0	57.0
148	63.8	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

Concen: 46.291 ug/l

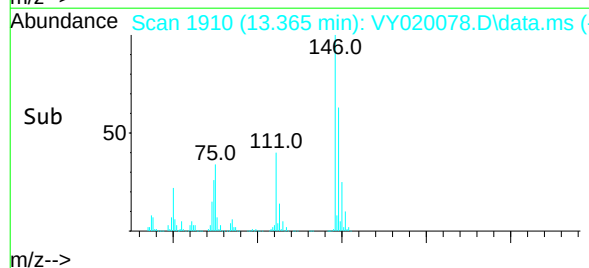
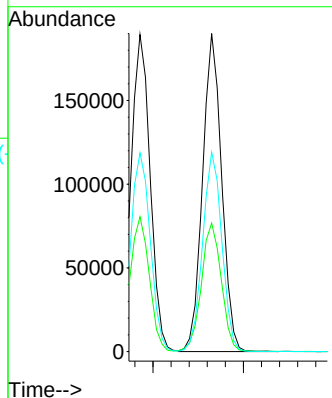
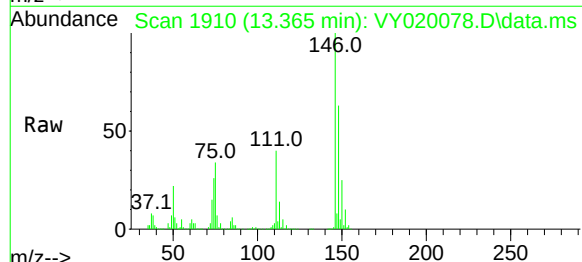
RT: 13.365 min Scan# 1910

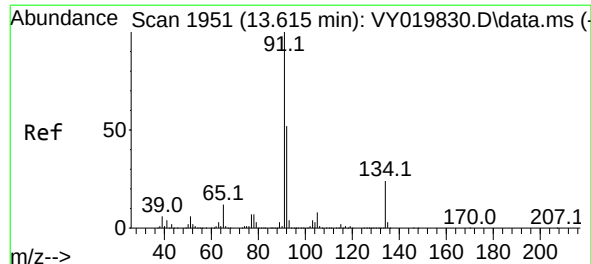
Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	146	Resp:	278979
Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.4	55.4
148	63.4	32.4	97.2





#89

n-Butylbenzene

Concen: 48.906 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

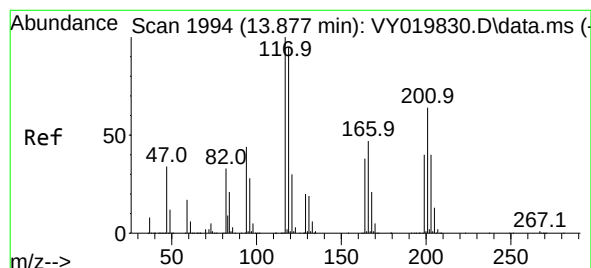
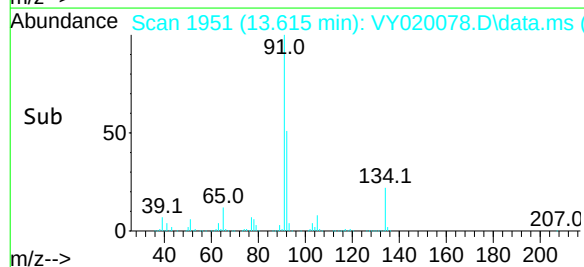
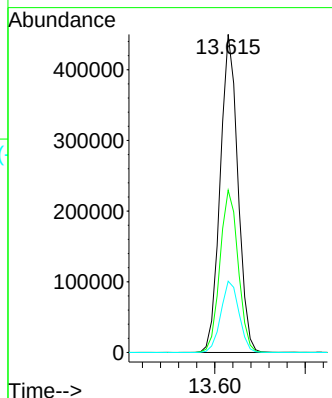
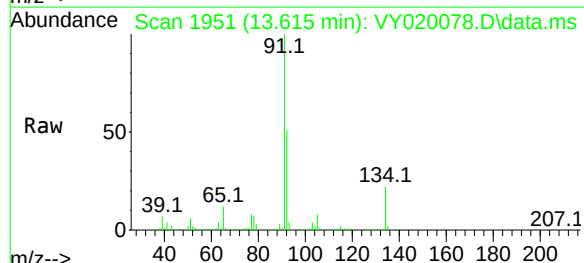
ClientSampleId :

VSTDICCC050

Tgt Ion:	91	Resp:	611011
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	23.1	12.9	38.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#90

Hexachloroethane

Concen: 47.505 ug/l

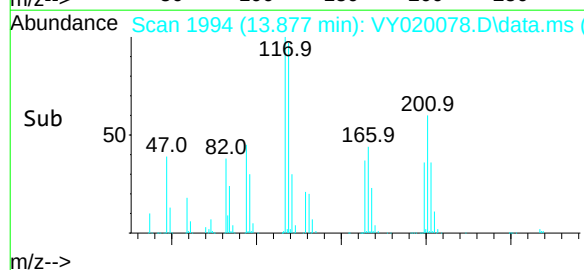
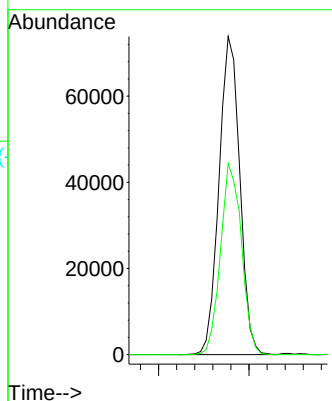
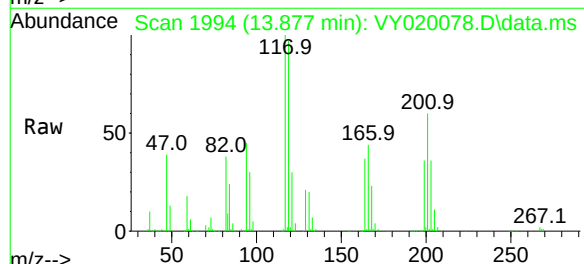
RT: 13.877 min Scan# 1994

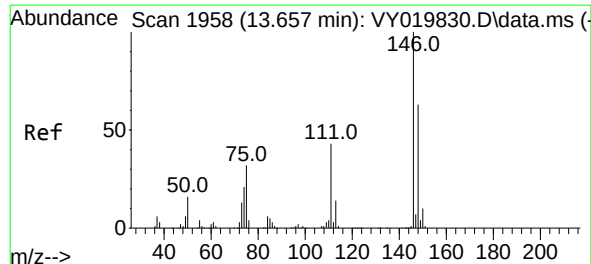
Delta R.T. -0.006 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	117	Resp:	117887
Ion	Ratio	Lower	Upper
117	100		
201	60.6	37.4	112.2





#91

1,2-Dichlorobenzene

Concen: 47.241 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

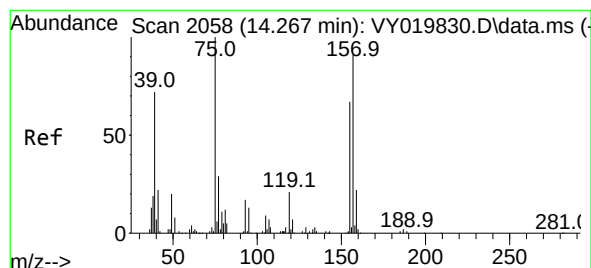
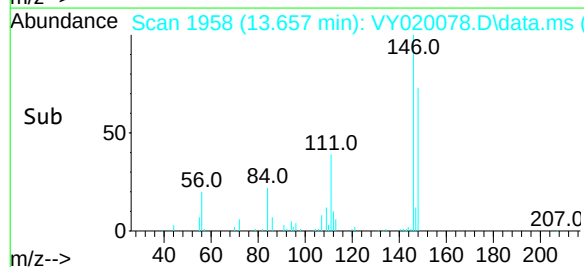
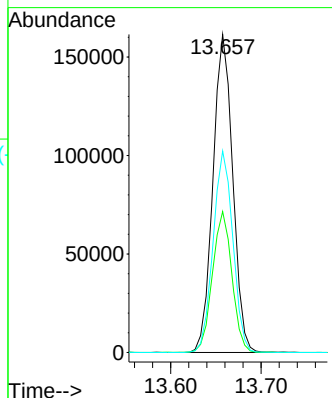
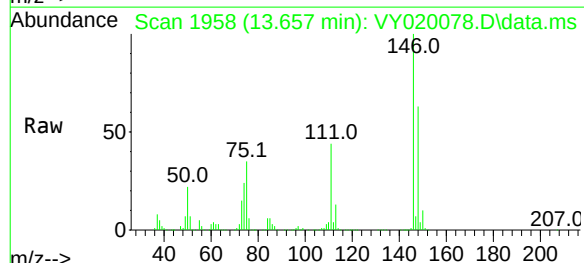
ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	245799
Ion	Ratio	Lower	Upper
146	100		
111	43.6	19.9	59.7
148	63.2	31.8	95.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.817 ug/l

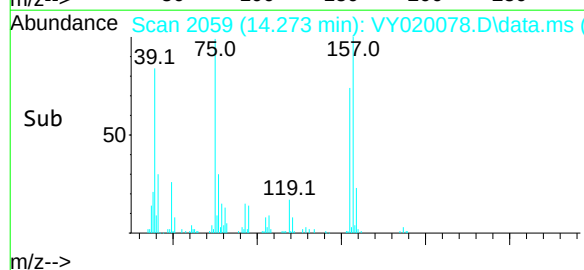
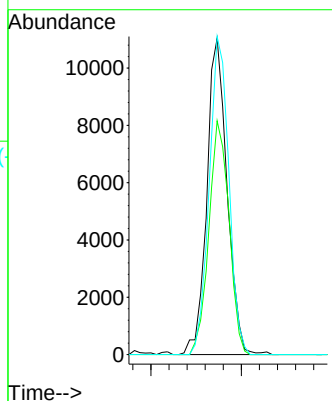
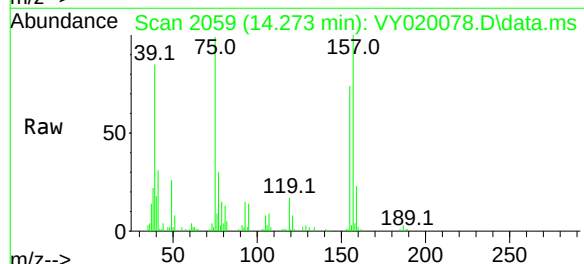
RT: 14.273 min Scan# 2059

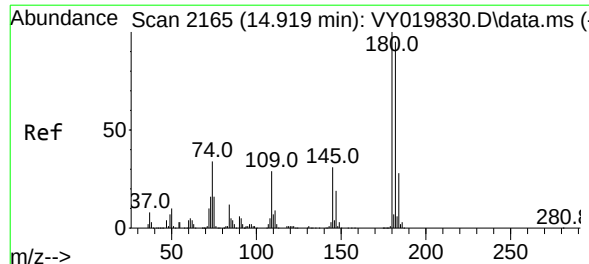
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	75	Resp:	17194
Ion	Ratio	Lower	Upper
75	100		
155	73.2	48.6	145.8
157	96.8	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 48.854 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

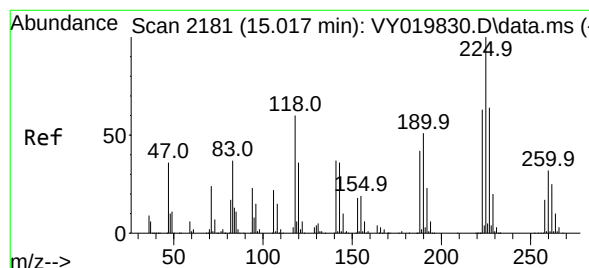
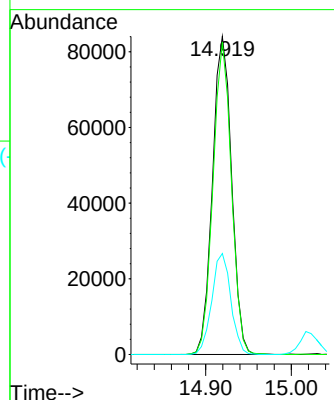
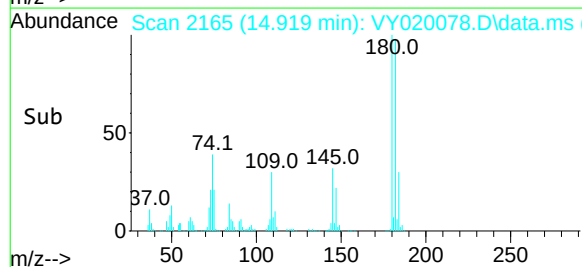
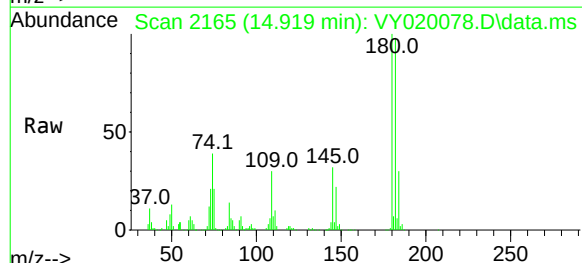
ClientSampleId :

VSTDICCC050

Tgt Ion:	180	Resp:	130061
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.8
145	31.8	14.2	42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 48.508 ug/l

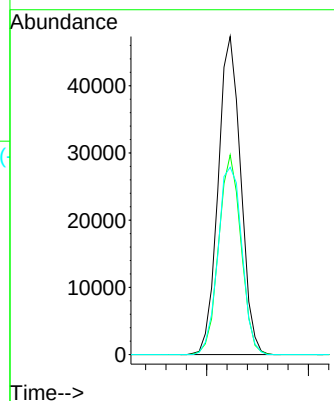
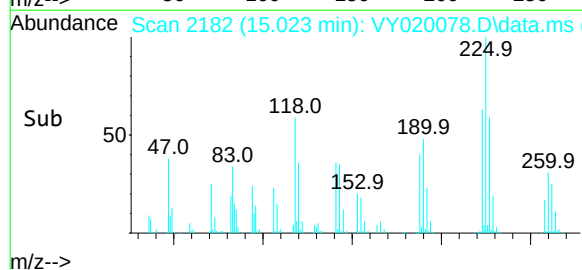
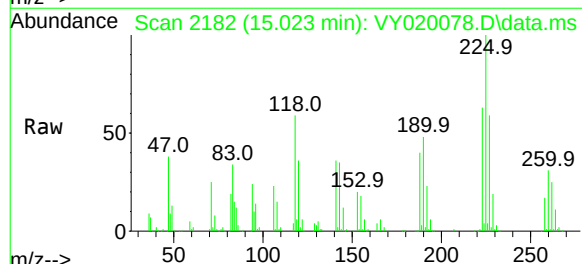
RT: 15.023 min Scan# 2182

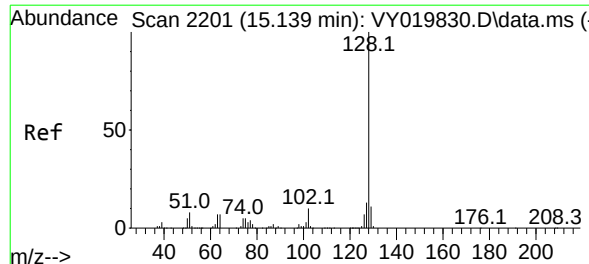
Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	225	Resp:	72977
Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.4	91.2
227	62.6	31.9	95.9





#95

Naphthalene

Concen: 52.269 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Instrument :

MSVOA_Y

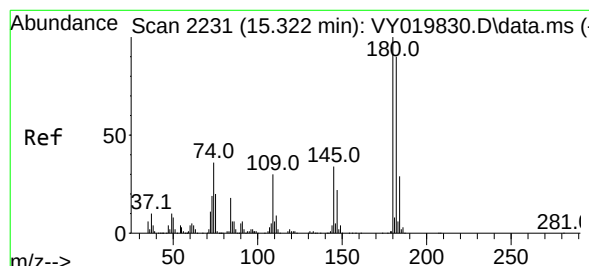
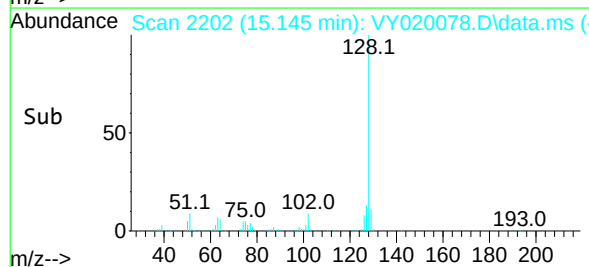
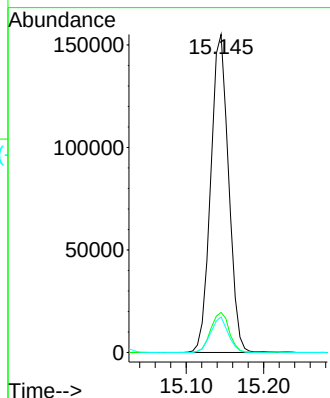
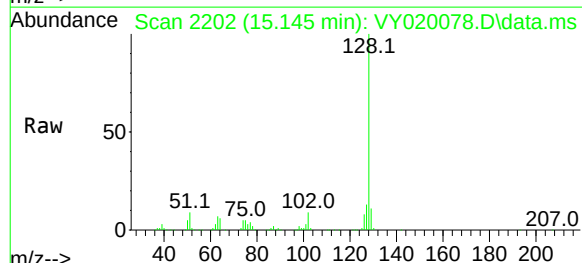
ClientSampleId :

VSTDICCC050

Tgt Ion:	128	Resp:	248616
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

Concen: 47.697 ug/l

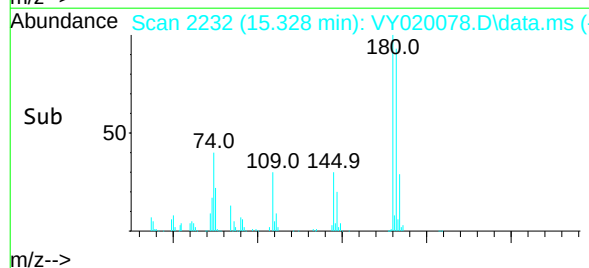
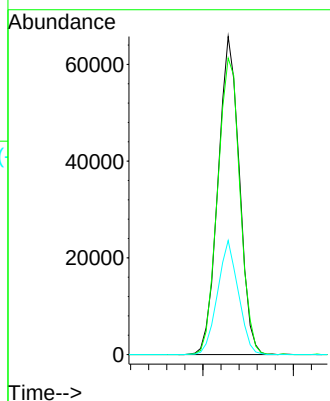
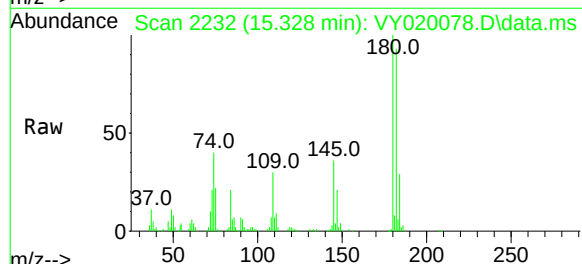
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020078.D

Acq: 30 Oct 2024 14:06

Tgt Ion:	180	Resp:	107931
Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.6	142.9
145	34.9	15.4	46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020079.D
 Acq On : 30 Oct 2024 14:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 30 15:03:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	250425	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	439442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191175	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	334356	109.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 219.820%#	
35) Dibromofluoromethane	7.634	113	299098	110.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 221.800%#	
50) Toluene-d8	10.103	98	1212617	113.817	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 227.640%#	
62) 4-Bromofluorobenzene	12.402	95	407188	119.648	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 239.300%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	228307	98.125	ug/l	98
3) Chloromethane	2.068	50	366223	93.131	ug/l	97
4) Vinyl Chloride	2.202	62	405238	97.185	ug/l	97
5) Bromomethane	2.592	94	260872	93.438	ug/l	98
6) Chloroethane	2.733	64	263815	98.055	ug/l	98
7) Trichlorofluoromethane	3.056	101	506774	101.014	ug/l	96
8) Diethyl Ether	3.452	74	148665	109.219	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.812	101	281087	99.430	ug/l	91
10) Methyl Iodide	4.007	142	289107	109.727	ug/l	90
11) Tert butyl alcohol	4.860	59	102524	432.114	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	272143	101.471	ug/l #	80
13) Acrolein	3.653	56	149511	544.019	ug/l	98
14) Allyl chloride	4.385	41	506132	106.308	ug/l #	89
15) Acrylonitrile	5.061	53	348902	565.943	ug/l	98
16) Acetone	3.866	43	414042	600.958	ug/l #	85
17) Carbon Disulfide	4.104	76	917608	103.144	ug/l	99
18) Methyl Acetate	4.385	43	181329	108.133	ug/l #	86
19) Methyl tert-butyl Ether	5.116	73	742574	114.253	ug/l	98
20) Methylene Chloride	4.616	84	299130	87.904	ug/l #	81
21) trans-1,2-Dichloroethene	5.116	96	308673	102.448	ug/l	86
22) Diisopropyl ether	6.019	45	1086016	111.305	ug/l #	91
23) Vinyl Acetate	5.958	43	3189495	592.620	ug/l #	90
24) 1,1-Dichloroethane	5.915	63	598212	103.320	ug/l	96
25) 2-Butanone	6.890	43	549299	581.259	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	493900	102.464	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	370675	108.807	ug/l	84
28) Bromochloromethane	7.244	49	277089	102.166	ug/l #	72
29) Tetrahydrofuran	7.262	42	320026	589.375	ug/l #	82
30) Chloroform	7.421	83	599049	104.788	ug/l	99
31) Cyclohexane	7.701	56	547474	94.777	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	521551	104.903	ug/l	94
36) 1,1-Dichloropropene	7.835	75	449890	106.392	ug/l	94
37) Ethyl Acetate	6.988	43	223721	111.760	ug/l #	94
38) Carbon Tetrachloride	7.817	117	456363	108.209	ug/l	99
39) Methylcyclohexane	9.109	83	584361	110.176	ug/l #	87
40) Benzene	8.079	78	1321405	107.416	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	116421	86.544	ug/l	87
42) 1,2-Dichloroethane	8.158	62	373520	110.555	ug/l	93
43) Isopropyl Acetate	8.195	43	447889	119.599	ug/l #	78
44) Trichloroethene	8.866	130	305872	107.143	ug/l	88
45) 1,2-Dichloropropane	9.140	63	318959	109.122	ug/l	97
46) Dibromomethane	9.231	93	175876	111.406	ug/l	88
47) Bromodichloromethane	9.420	83	461878	112.218	ug/l #	98
48) Methyl methacrylate	9.219	41	214211	126.286	ug/l #	80
49) 1,4-Dioxane	9.231	88	39210	2496.859	ug/l #	83
51) 4-Methyl-2-Pentanone	9.993	43	1181631	617.696	ug/l	90
52) Toluene	10.170	92	837777	112.304	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	427557	121.149	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	503580	118.582	ug/l #	86
55) 1,1,2-Trichloroethane	10.573	97	225678	116.492	ug/l	95
56) Ethyl methacrylate	10.438	69	347881	131.431	ug/l #	75
57) 1,3-Dichloropropane	10.713	76	407824	114.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	816231	604.610	ug/l	92
59) 2-Hexanone	10.755	43	870879	641.505	ug/l	87
60) Dibromochloromethane	10.908	129	291690	119.734	ug/l	100
61) 1,2-Dibromoethane	11.012	107	204752	112.681	ug/l	99
64) Tetrachloroethene	10.646	164	269475	106.219	ug/l	95
65) Chlorobenzene	11.438	112	873808	107.289	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	286476	111.823	ug/l	100
67) Ethyl Benzene	11.518	91	1657653	109.651	ug/l	100
68) m/p-Xylenes	11.627	106	1221696	221.671	ug/l	91
69) o-Xylene	11.950	106	584516	112.554	ug/l	92
70) Styrene	11.969	104	987405	116.822	ug/l	95
71) Bromoform	12.127	173	158309	124.151	ug/l #	96
73) Isopropylbenzene	12.255	105	1567277	105.280	ug/l	98
74) N-amyl acetate	12.066	43	441898	126.177	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	277920	105.904	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	182495m	57.170	ug/l	
77) Bromobenzene	12.530	156	322208	107.408	ug/l	84
78) n-propylbenzene	12.591	91	1942949	104.334	ug/l	97
79) 2-Chlorotoluene	12.676	91	1075903	104.371	ug/l	94
80) 1,3,5-Trimethylbenzene	12.731	105	1265627	106.185	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	91153	115.411	ug/l #	85
82) 4-Chlorotoluene	12.773	91	1110438	106.072	ug/l	94
83) tert-Butylbenzene	12.993	119	1104057	105.843	ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	1276373	109.156	ug/l	96
85) sec-Butylbenzene	13.176	105	1697744	105.784	ug/l	98
86) p-Isopropyltoluene	13.292	119	1382922	108.729	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	651160	106.960	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	637014	103.744	ug/l	96
89) n-Butylbenzene	13.615	91	1400648	110.036	ug/l	98
90) Hexachloroethane	13.877	117	272543	107.795	ug/l	84
91) 1,2-Dichlorobenzene	13.657	146	566909	106.942	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43753	111.936	ug/l	76
93) 1,2,4-Trichlorobenzene	14.919	180	330713	121.925	ug/l	98
94) Hexachlorobutadiene	15.023	225	173634	113.279	ug/l	99
95) Naphthalene	15.139	128	672775	138.827	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	281747	122.206	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

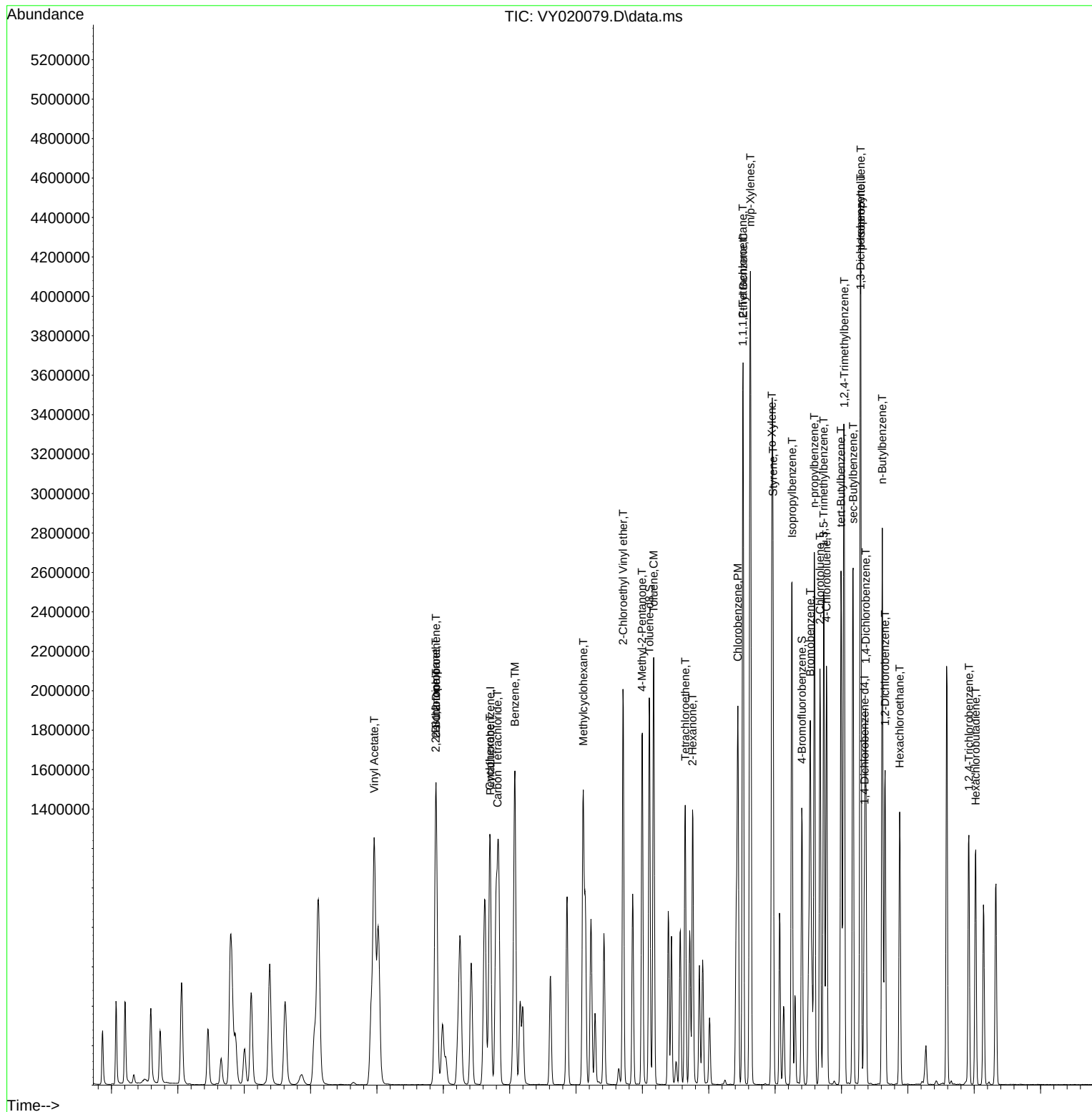
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

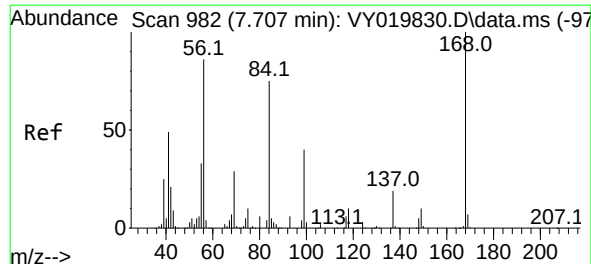
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration





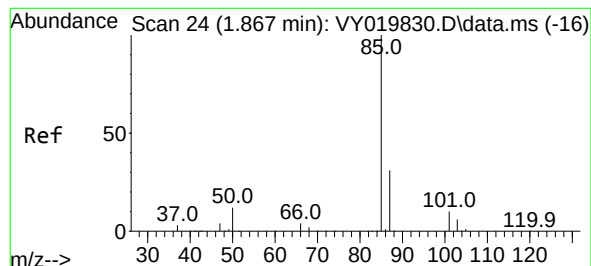
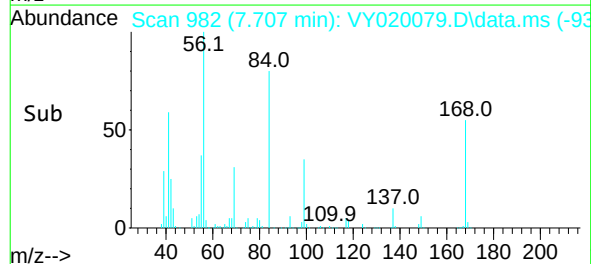
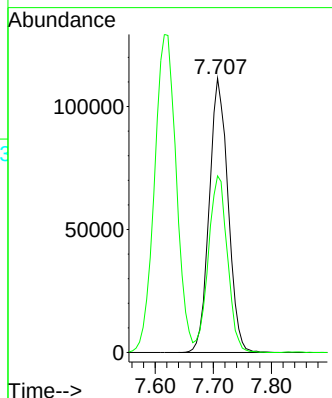
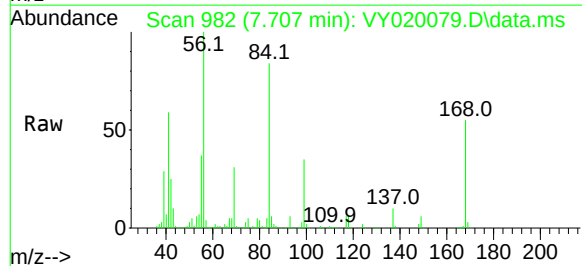
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 168 Resp: 250425
Ion Ratio Lower Upper
168 100
99 64.4 39.1 58.7#

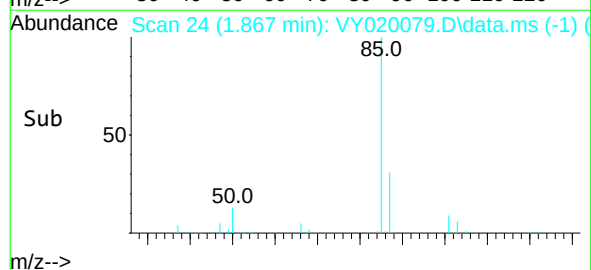
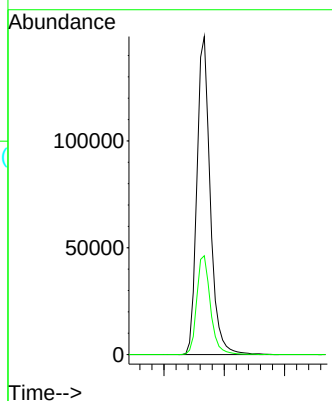
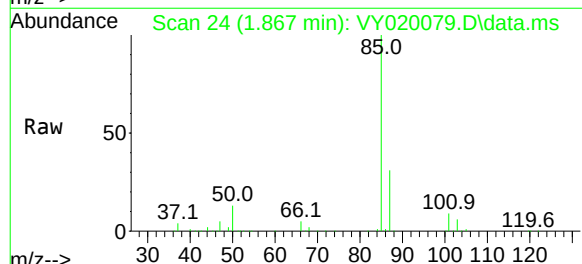
Manual Integrations
APPROVED

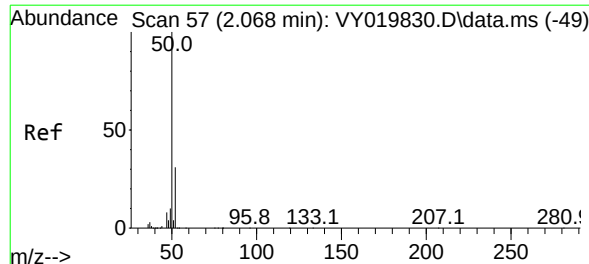
Reviewed By : Romaben Patel 11/01/2024
Supervised By : Mahesh Dadoda 11/01/2024



#2
Dichlorodifluoromethane
Concen: 98.125 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Tgt Ion: 85 Resp: 228307
Ion Ratio Lower Upper
85 100
87 31.1 16.0 48.0





#3

Chloromethane

Concen: 93.131 ug/l

RT: 2.068 min Scan# 57

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 50 Resp: 366223

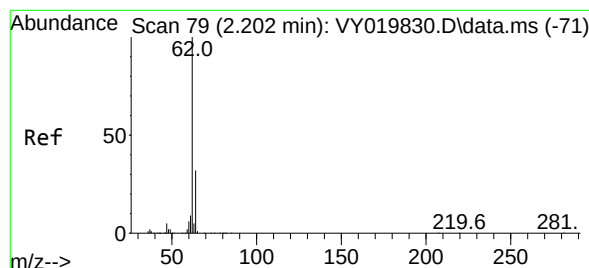
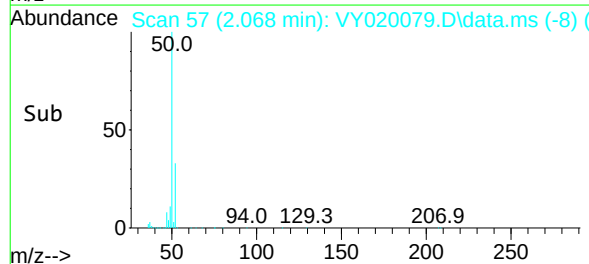
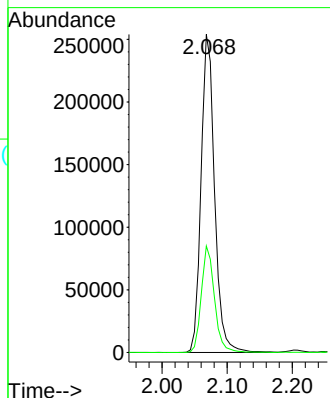
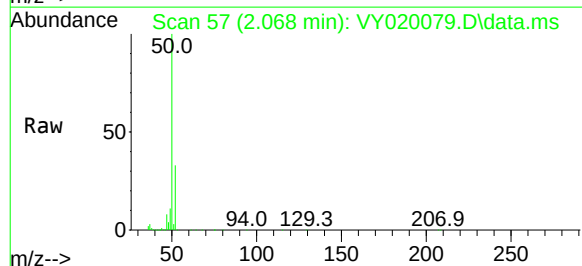
Ion Ratio Lower Upper

50 100

52 33.5 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#4

Vinyl Chloride

Concen: 97.185 ug/l

RT: 2.202 min Scan# 79

Delta R.T. -0.006 min

Lab File: VY020079.D

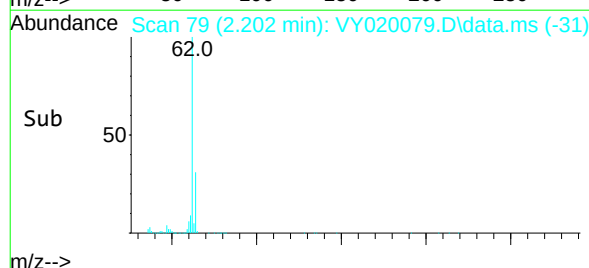
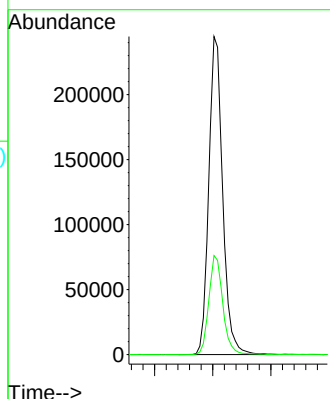
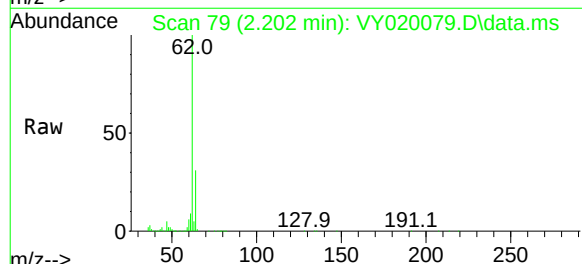
Acq: 30 Oct 2024 14:29

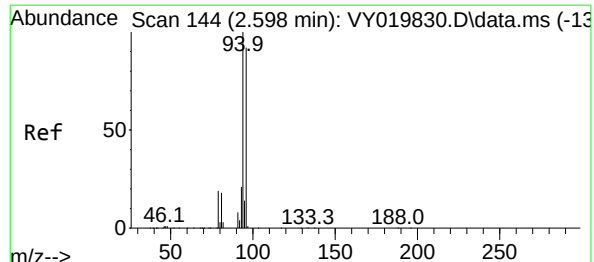
Tgt Ion: 62 Resp: 405238

Ion Ratio Lower Upper

62 100

64 31.1 26.1 39.1





#5

Bromomethane

Concen: 93.438 ug/l

RT: 2.592 min Scan# 144

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 94 Resp: 260872

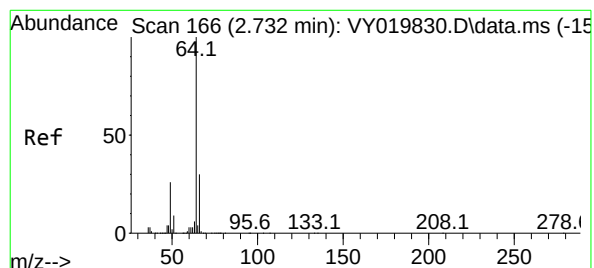
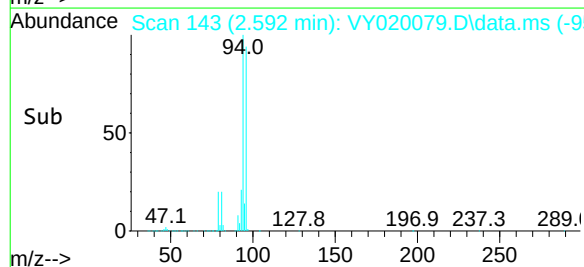
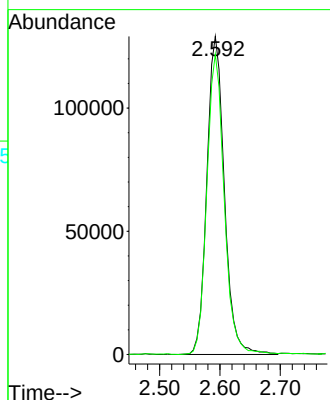
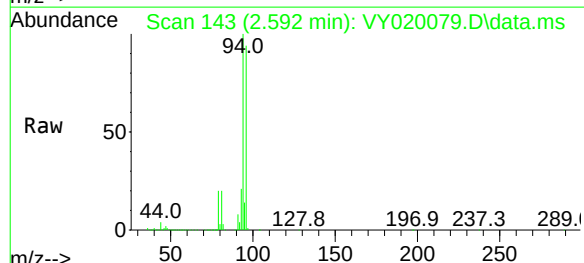
Ion Ratio Lower Upper

94 100

96 94.4 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#6

Chloroethane

Concen: 98.055 ug/l

RT: 2.733 min Scan# 166

Delta R.T. -0.006 min

Lab File: VY020079.D

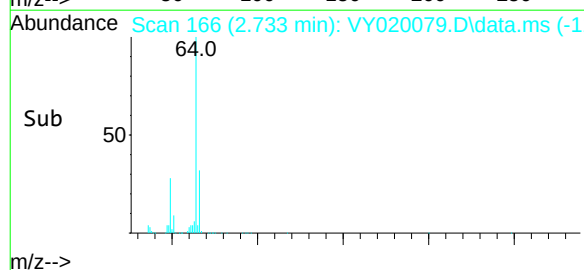
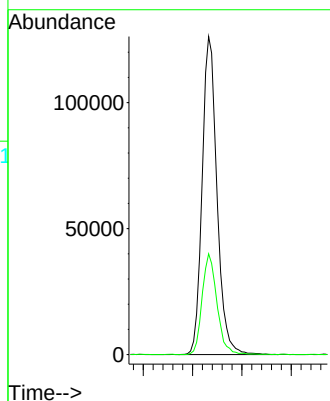
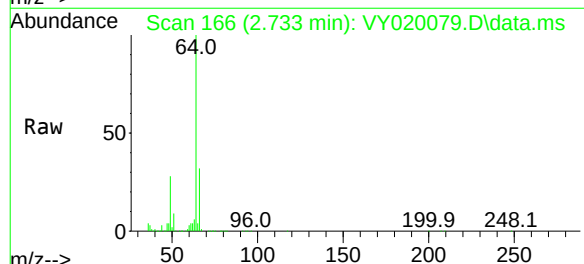
Acq: 30 Oct 2024 14:29

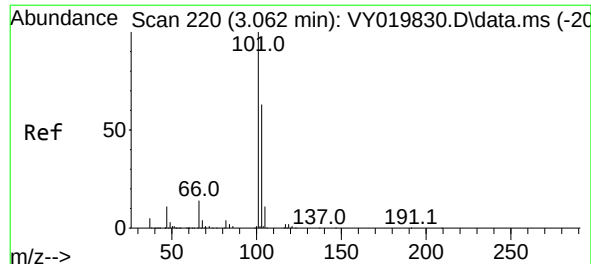
Tgt Ion: 64 Resp: 263815

Ion Ratio Lower Upper

64 100

66 31.7 26.1 39.1





#7

Trichlorofluoromethane

Concen: 101.014 ug/l

RT: 3.056 min Scan# 211

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 506774

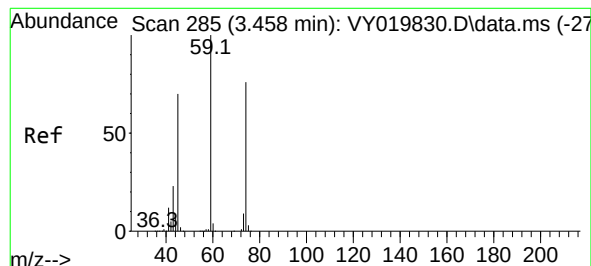
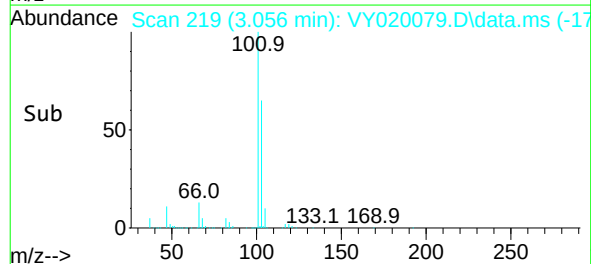
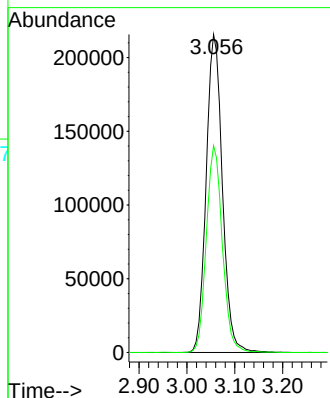
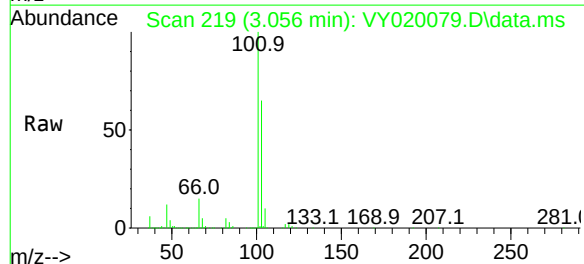
Ion Ratio Lower Upper

101 100

103 65.0 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#8

Diethyl Ether

Concen: 109.219 ug/l

RT: 3.452 min Scan# 284

Delta R.T. -0.006 min

Lab File: VY020079.D

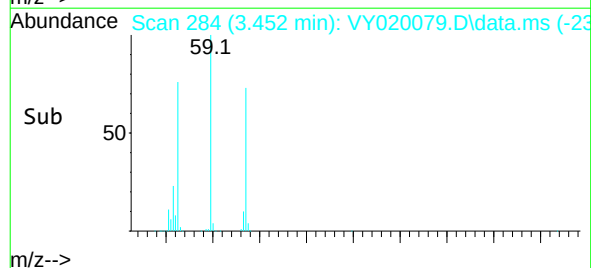
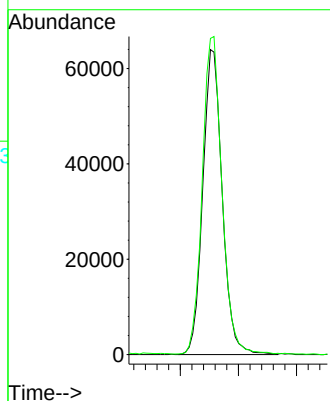
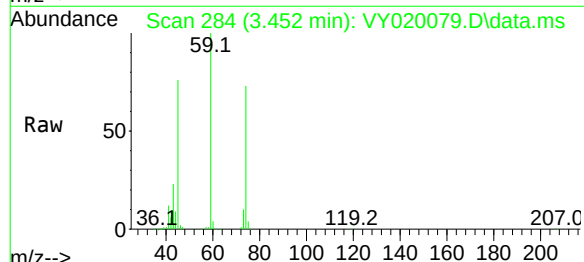
Acq: 30 Oct 2024 14:29

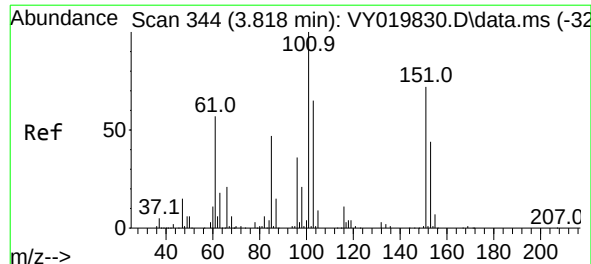
Tgt Ion: 74 Resp: 148665

Ion Ratio Lower Upper

74 100

45 105.6 41.3 124.1





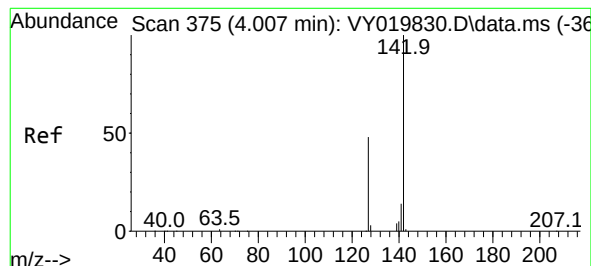
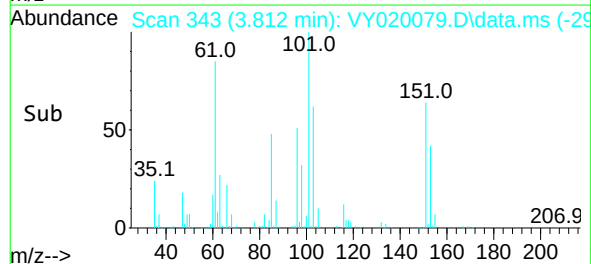
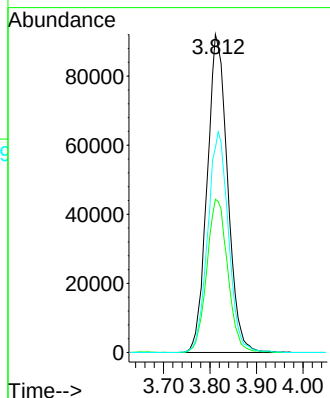
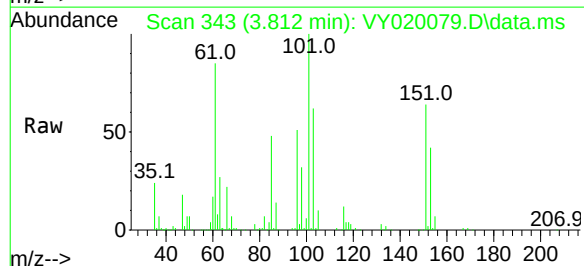
#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.430 ug/l
RT: 3.812 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 281087
Ion Ratio Lower Upper
101 100
85 49.4 34.5 51.7
151 70.4 61.7 92.5

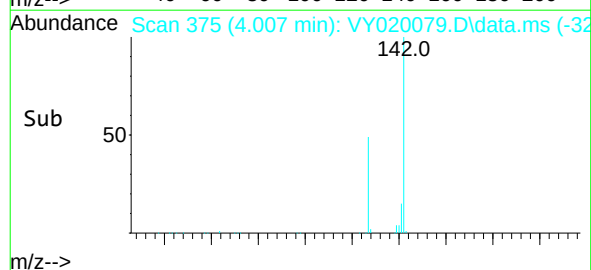
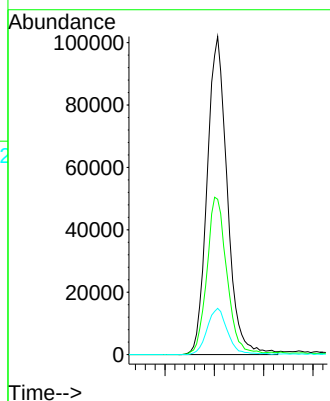
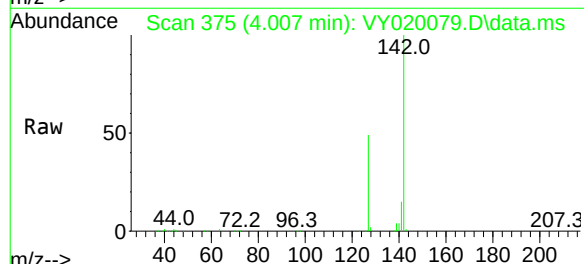
Manual Integrations
APPROVED

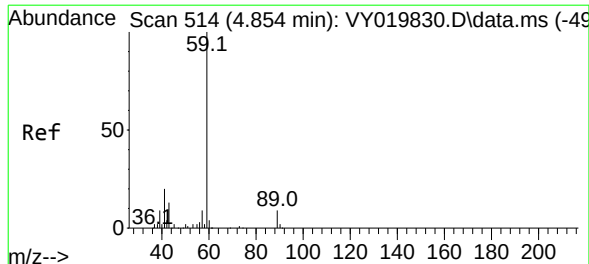
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 109.727 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Tgt Ion:142 Resp: 289107
Ion Ratio Lower Upper
142 100
127 49.1 32.8 49.2
141 14.8 11.4 17.2





#11

Tert butyl alcohol

Concen: 432.114 ug/l

RT: 4.860 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 102524

Ion Ratio Lower Upper

59 100

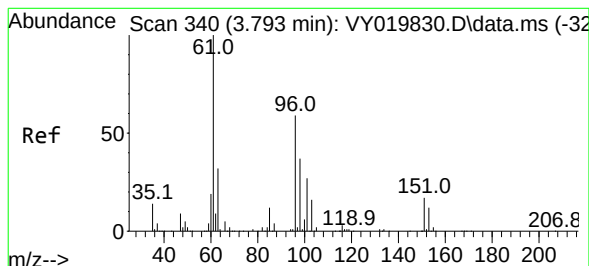
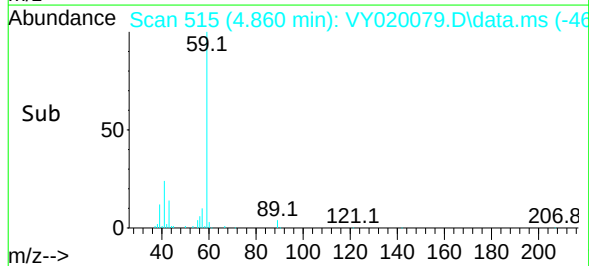
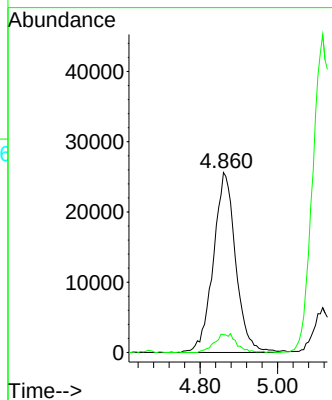
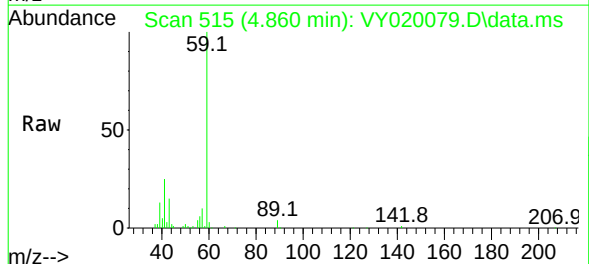
57 10.1 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#12

1,1-Dichloroethene

Concen: 101.471 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

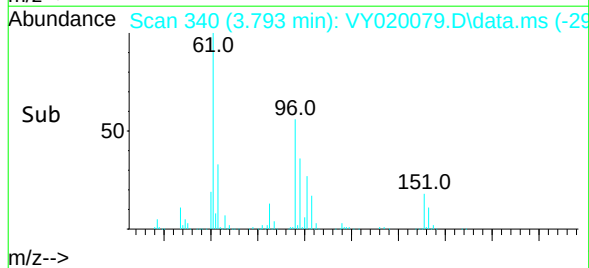
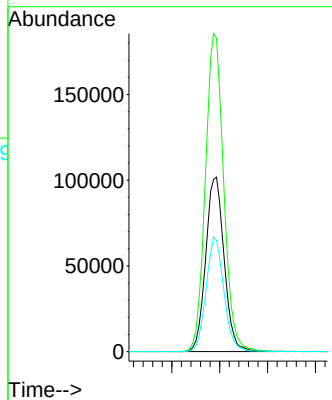
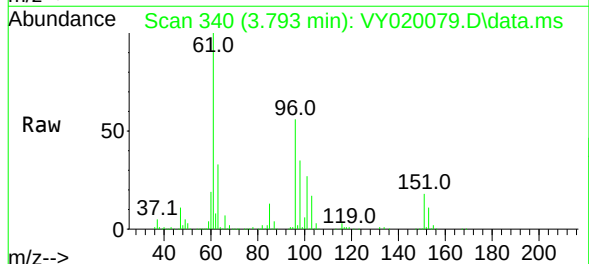
Tgt Ion: 96 Resp: 272143

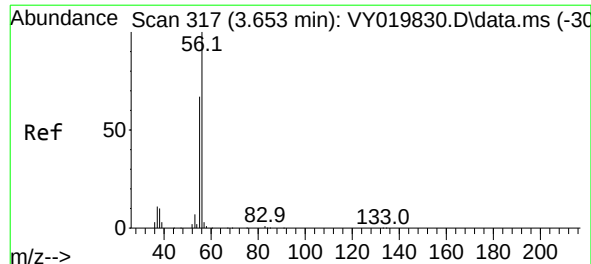
Ion Ratio Lower Upper

96 100

61 179.6 114.6 171.8#

98 63.7 50.8 76.2





#13

Acrolein

Concen: 544.019 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 149511

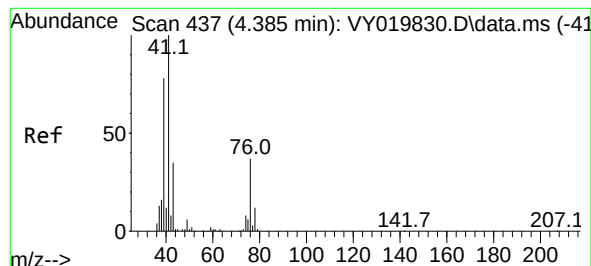
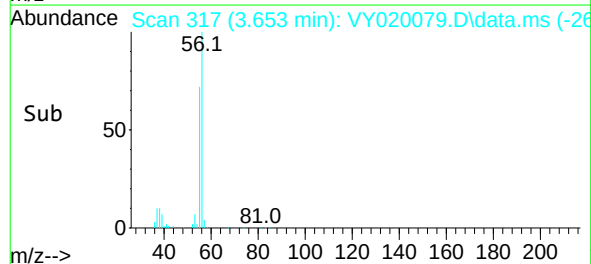
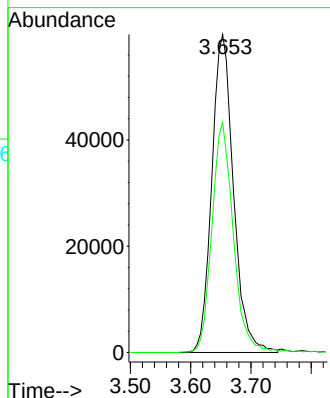
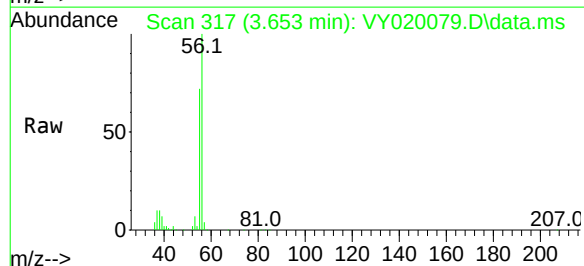
Ion Ratio Lower Upper

56 100

55 71.2 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#14

Allyl chloride

Concen: 106.308 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

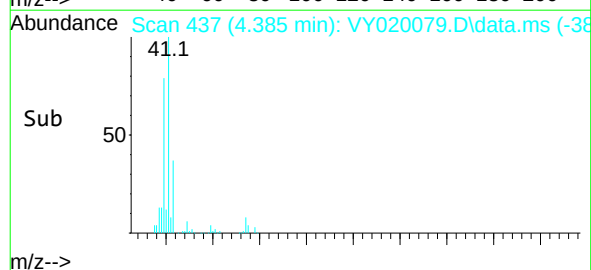
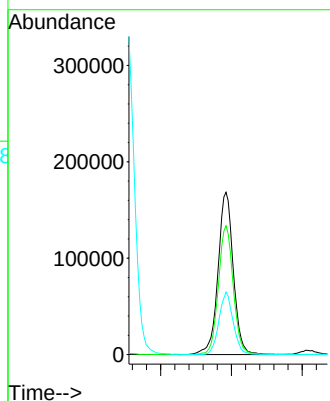
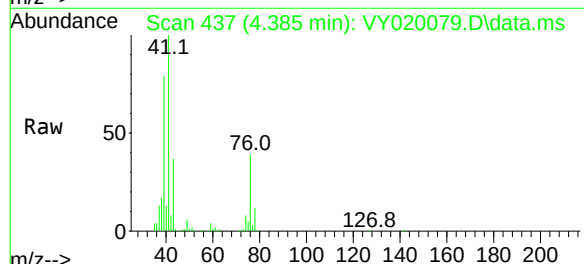
Tgt Ion: 41 Resp: 506132

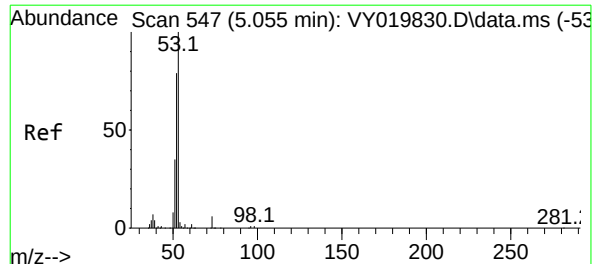
Ion Ratio Lower Upper

41 100

39 77.2 58.3 87.5

76 35.7 39.0 58.6#





#15

Acrylonitrile

Concen: 565.943 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 348902

Ion Ratio Lower Upper

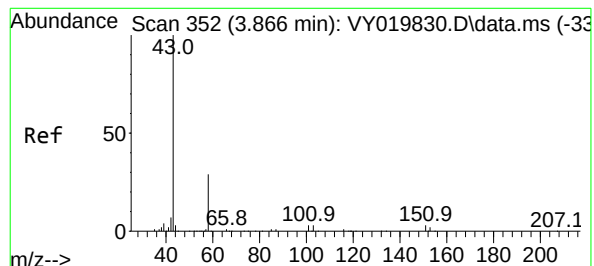
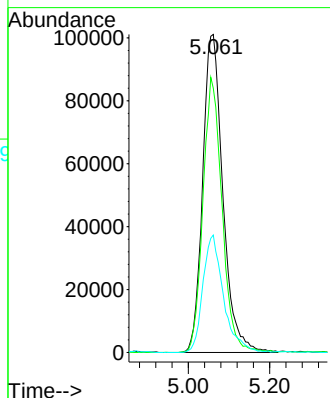
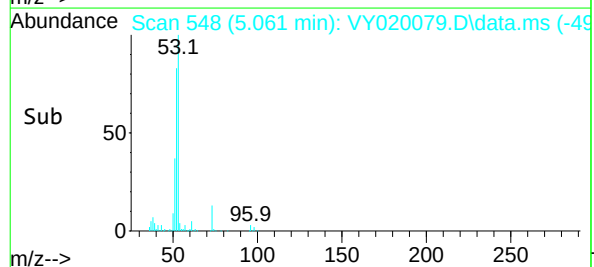
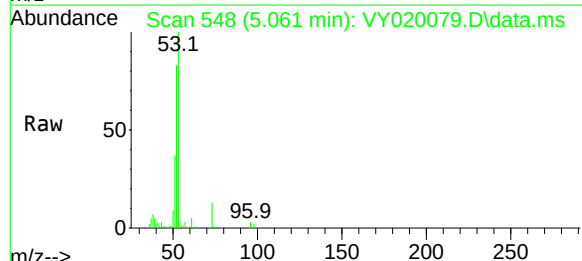
53 100

52 81.8 64.7 97.1

51 37.8 28.4 42.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#16

Acetone

Concen: 600.958 ug/l

RT: 3.866 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY020079.D

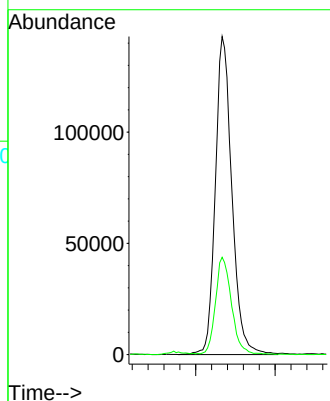
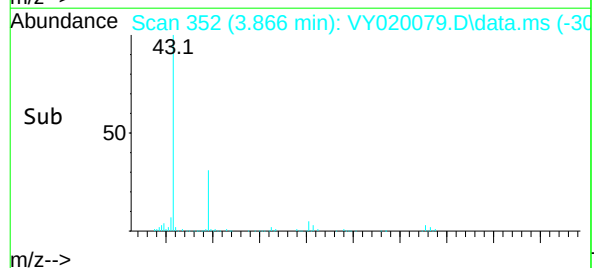
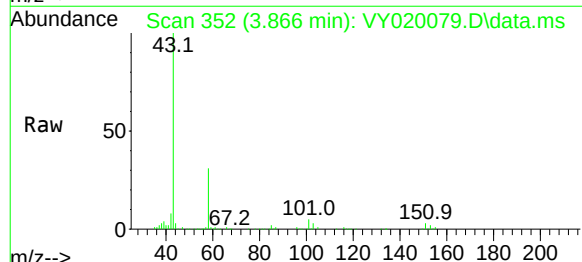
Acq: 30 Oct 2024 14:29

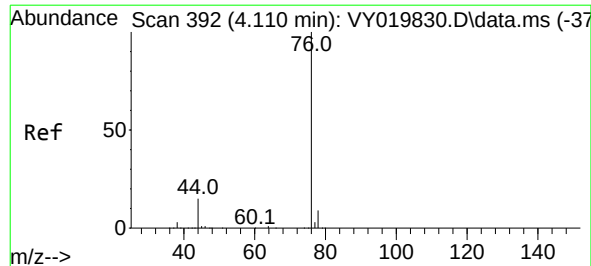
Tgt Ion: 43 Resp: 414042

Ion Ratio Lower Upper

43 100

58 30.5 31.7 47.5#





#17

Carbon Disulfide

Concen: 103.144 ug/l

RT: 4.104 min Scan# 39

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 917608

Ion Ratio Lower Upper

76 100

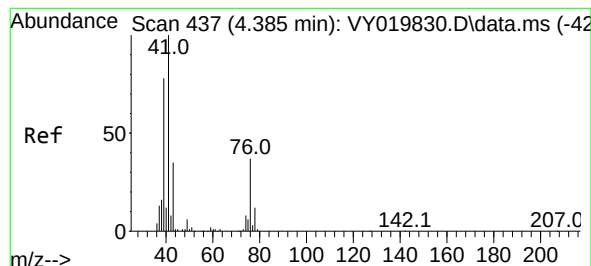
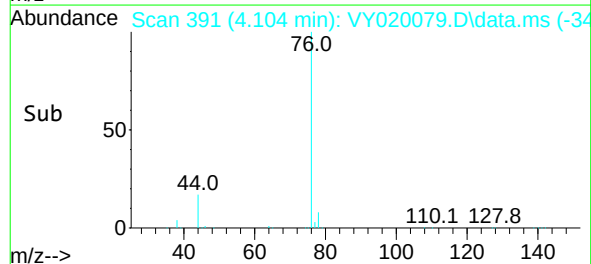
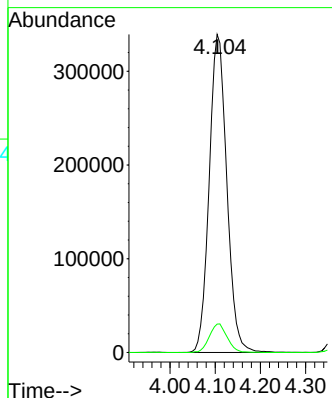
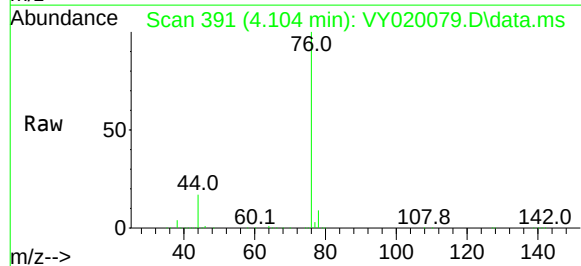
78 8.9 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#18

Methyl Acetate

Concen: 108.133 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY020079.D

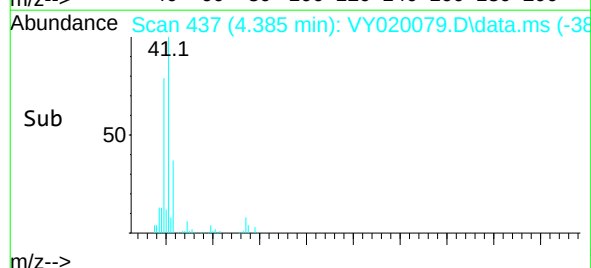
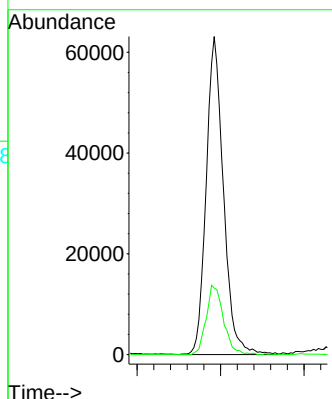
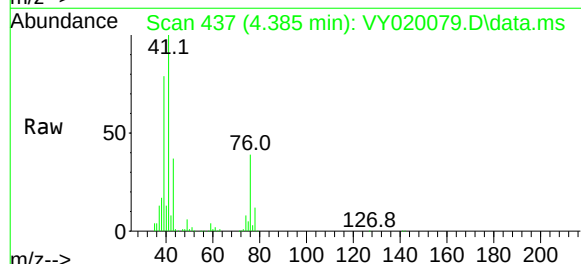
Acq: 30 Oct 2024 14:29

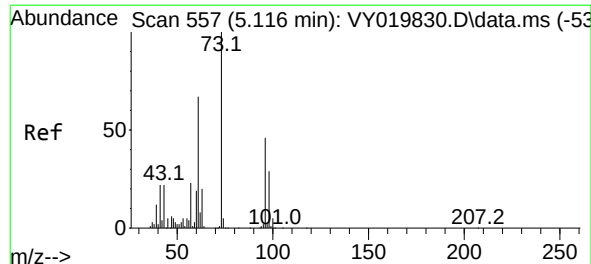
Tgt Ion: 43 Resp: 181329

Ion Ratio Lower Upper

43 100

74 21.8 23.3 34.9#





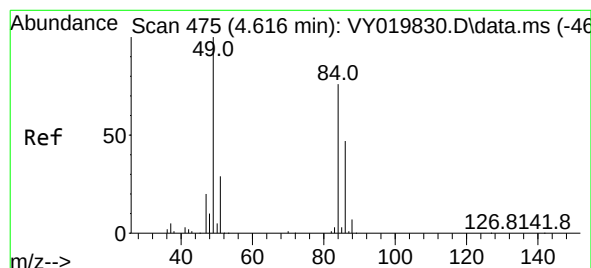
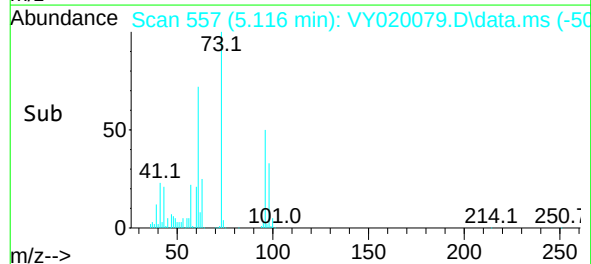
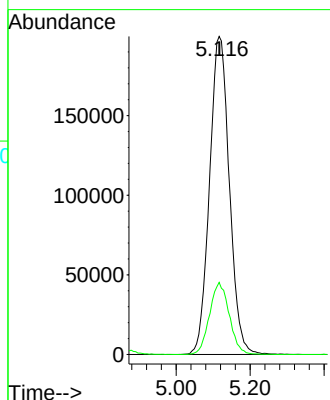
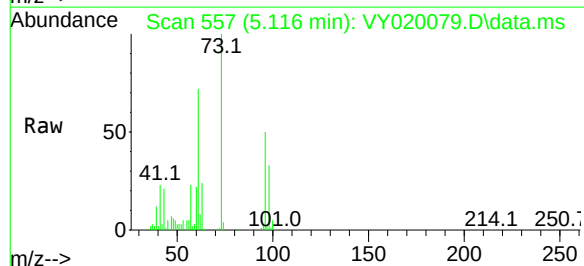
#19
Methyl tert-butyl Ether
Concen: 114.253 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 742574
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9

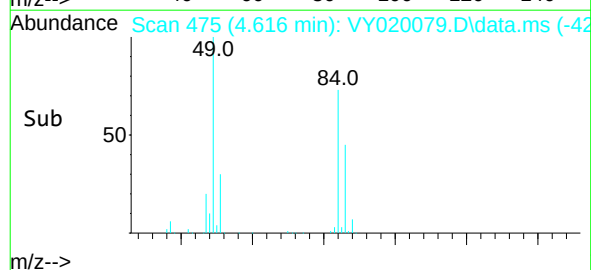
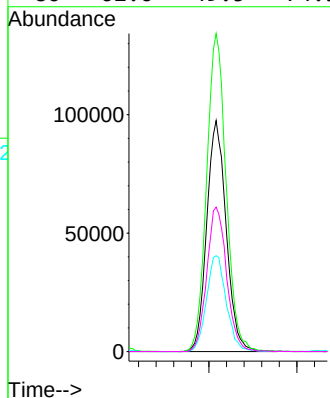
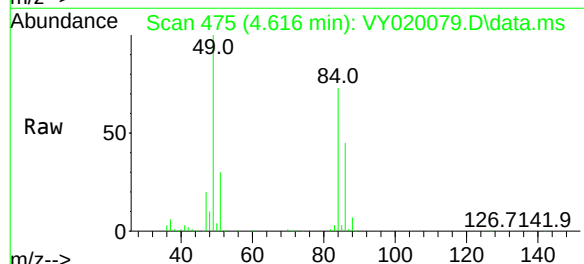
Manual Integrations
APPROVED

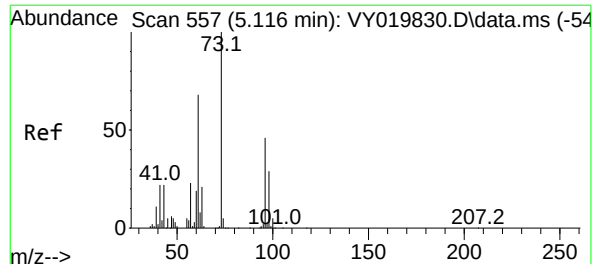
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#20
Methylene Chloride
Concen: 87.904 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Tgt Ion: 84 Resp: 299130
Ion Ratio Lower Upper
84 100
49 137.7 84.4 126.6#
51 41.5 26.0 39.0#
86 62.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 102.448 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 308673

Ion Ratio Lower Upper

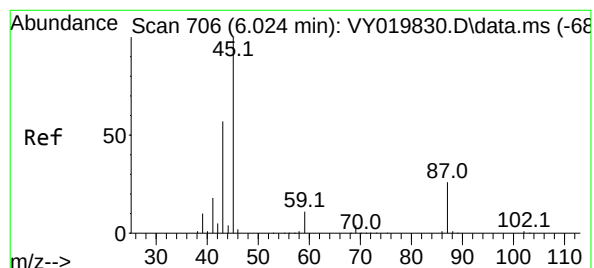
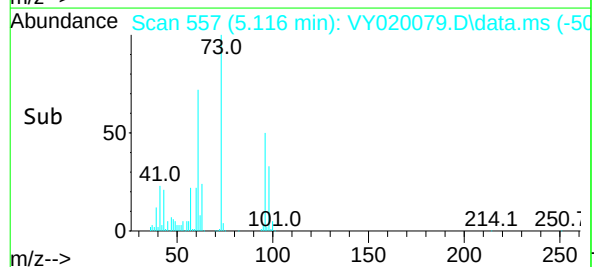
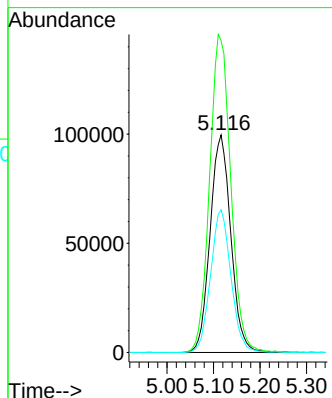
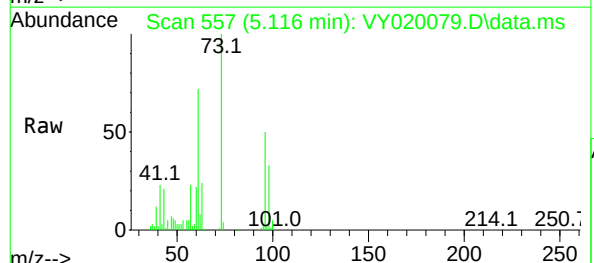
96 100

61 143.4 97.5 146.3

98 65.6 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#22

Diisopropyl ether

Concen: 111.305 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion: 45 Resp: 1086016

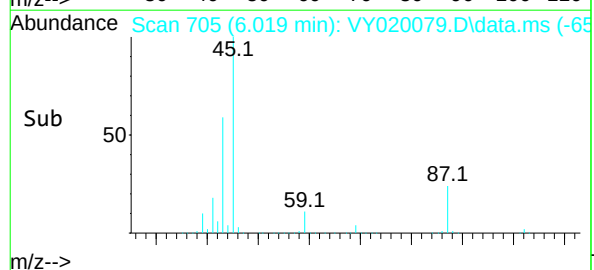
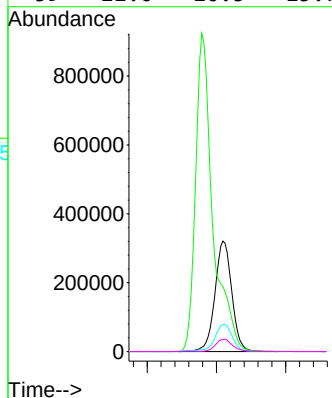
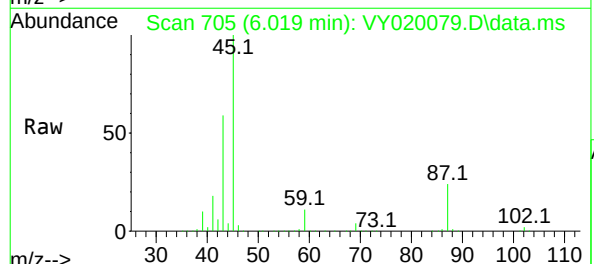
Ion Ratio Lower Upper

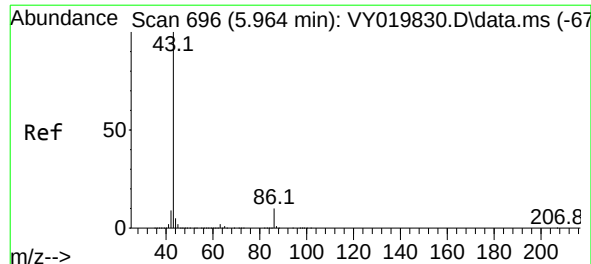
45 100

43 58.8 42.2 63.2

87 24.4 25.0 37.6#

59 11.0 10.5 15.7





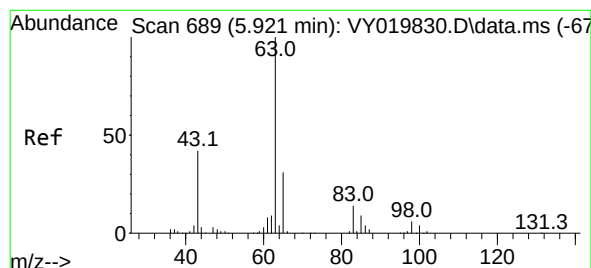
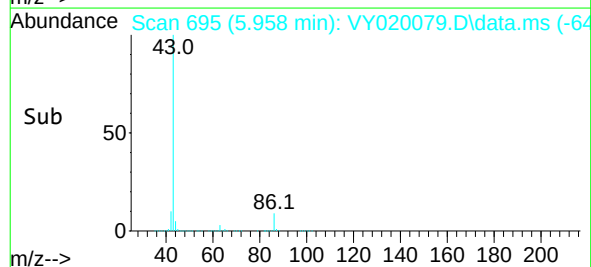
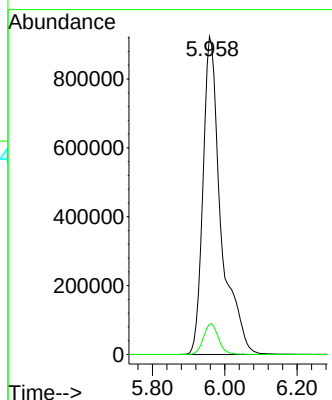
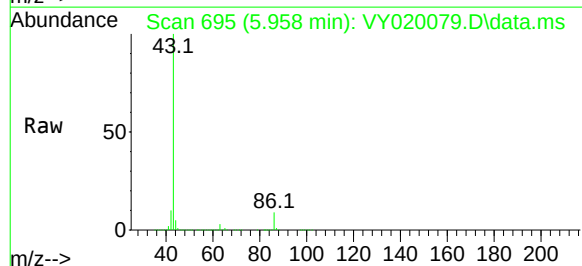
#23
Vinyl Acetate
Concen: 592.620 ug/l
RT: 5.958 min Scan# 695
Delta R.T. 0.000 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3189495
Ion Ratio Lower Upper
43 100
86 9.5 10.6 16.0

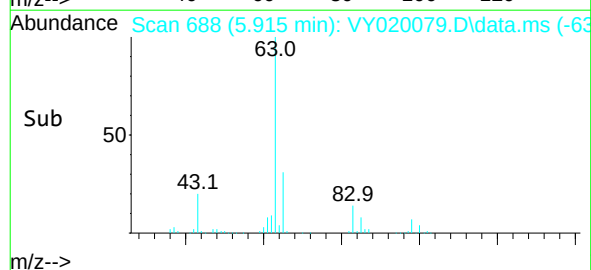
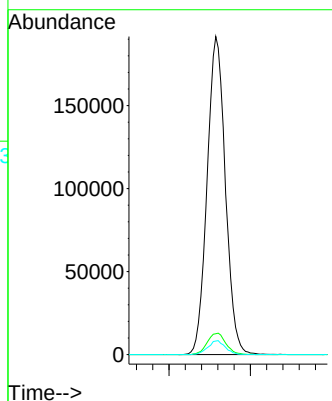
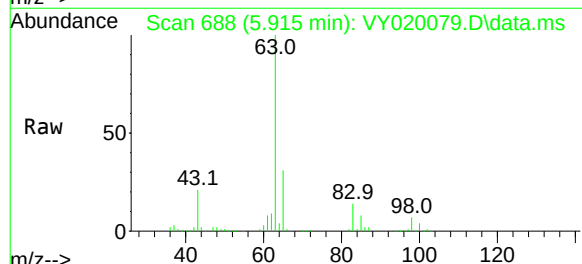
Manual Integrations
APPROVED

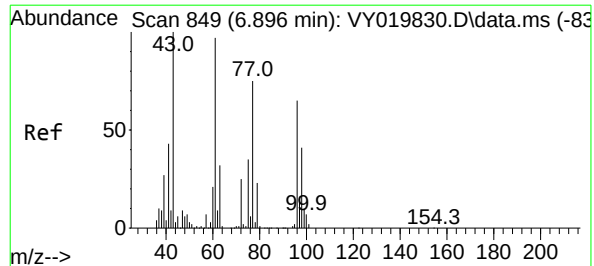
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#24
1,1-Dichloroethane
Concen: 103.320 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY020079.D
Acq: 30 Oct 2024 14:29

Tgt Ion: 63 Resp: 598212
Ion Ratio Lower Upper
63 100
98 6.6 4.0 12.2
100 4.3 2.6 8.0





#25

2-Butanone

Concen: 581.259 ug/l

RT: 6.890 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 549299

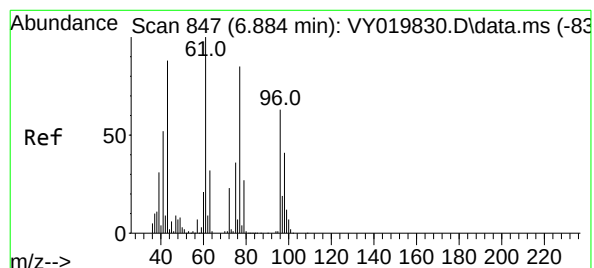
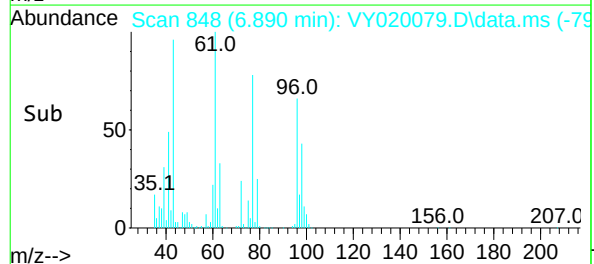
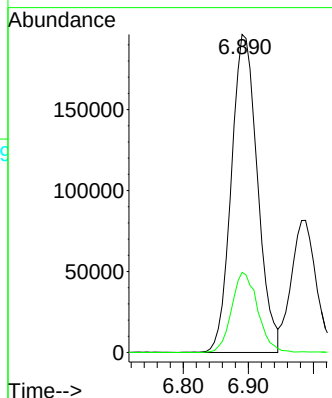
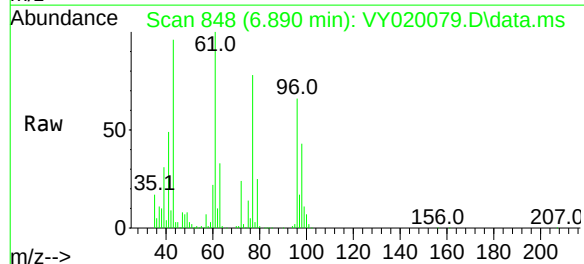
Ion Ratio Lower Upper

43 100

72 25.2 27.3 40.9#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#26

2,2-Dichloropropane

Concen: 102.464 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY020079.D

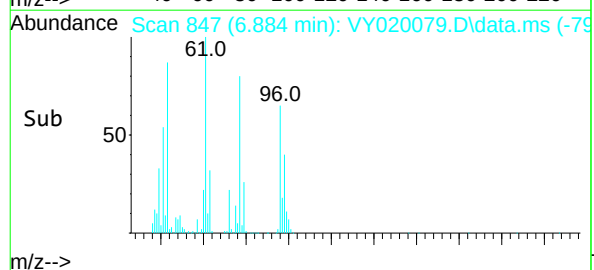
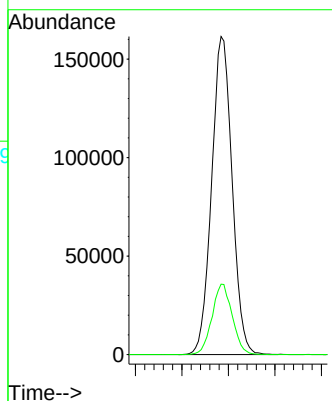
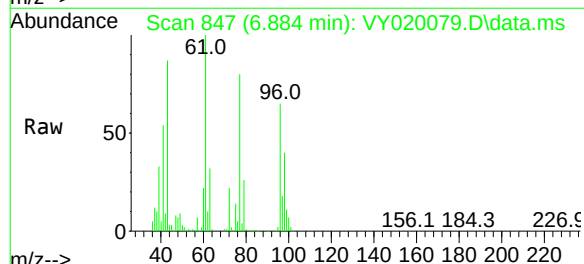
Acq: 30 Oct 2024 14:29

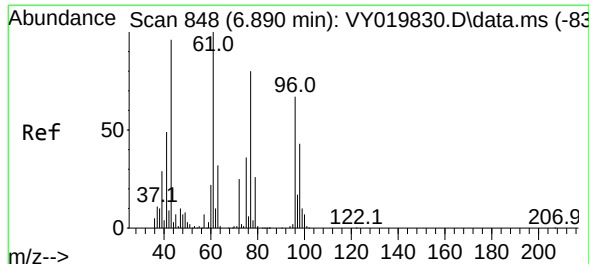
Tgt Ion: 77 Resp: 493900

Ion Ratio Lower Upper

77 100

97 21.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 108.807 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

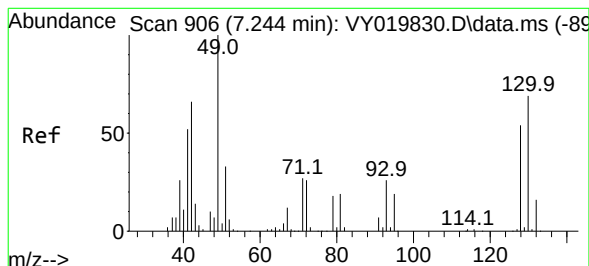
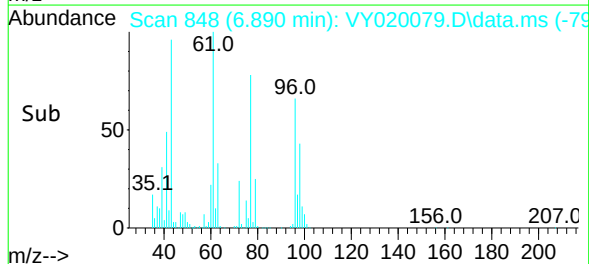
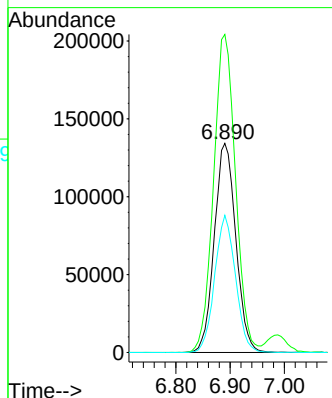
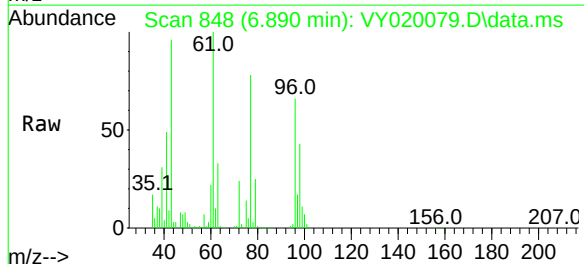
ClientSampleId :

VSTDICC100

Tgt Ion:	96	Resp:	370675
Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	256.2
98	63.4	0.0	130.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#28

Bromochloromethane

Concen: 102.166 ug/l

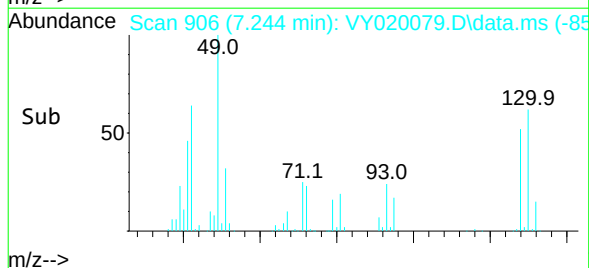
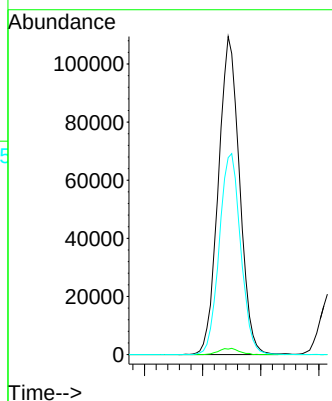
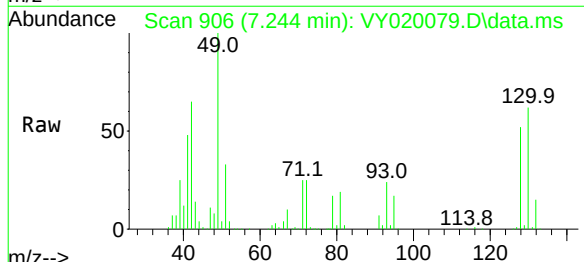
RT: 7.244 min Scan# 906

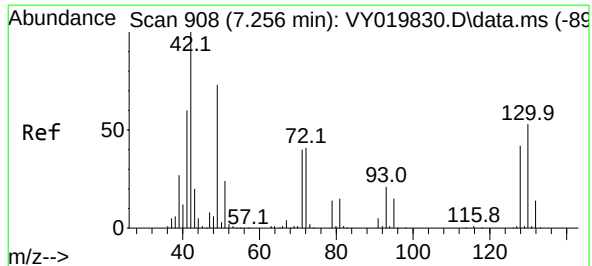
Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	49	Resp:	277089
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	63.8	72.7	109.1#





#29

Tetrahydrofuran

Concen: 589.375 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 320026

Ion Ratio Lower Upper

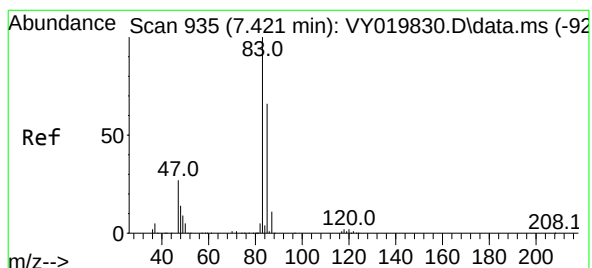
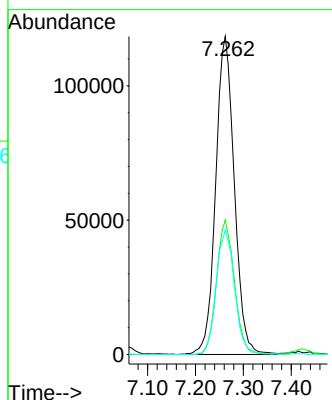
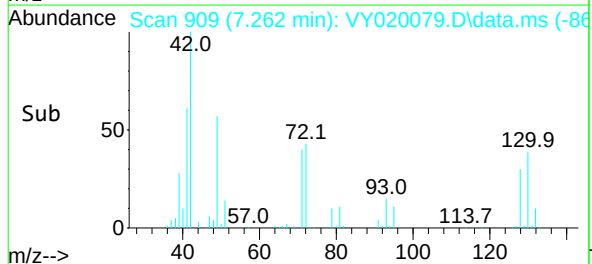
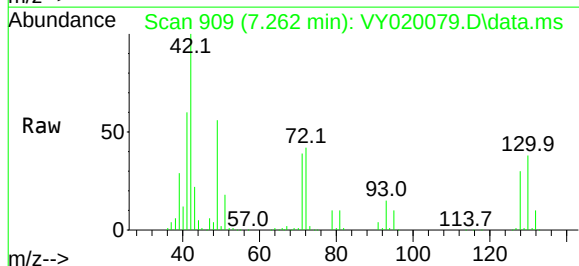
42 100

72 40.7 43.0 64.4

71 38.4 40.8 61.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#30

Chloroform

Concen: 104.788 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY020079.D

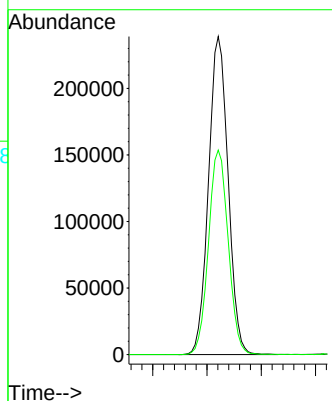
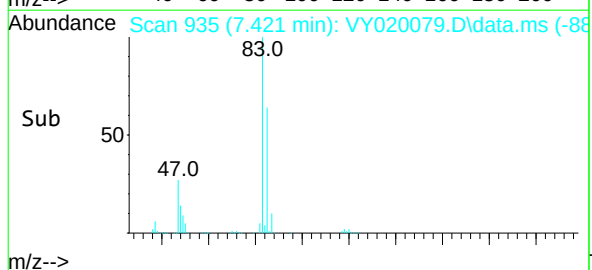
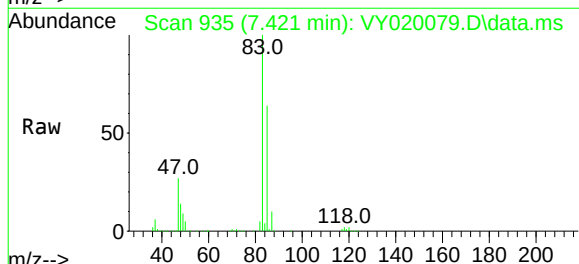
Acq: 30 Oct 2024 14:29

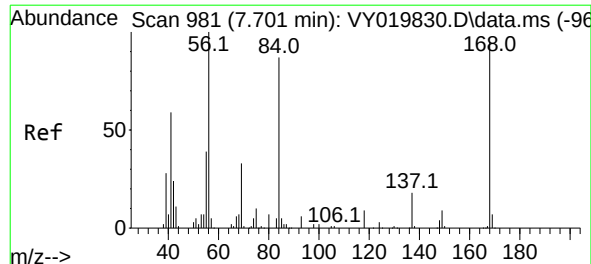
Tgt Ion: 83 Resp: 599049

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4





#31

Cyclohexane

Concen: 94.777 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 547474

Ion Ratio Lower Upper

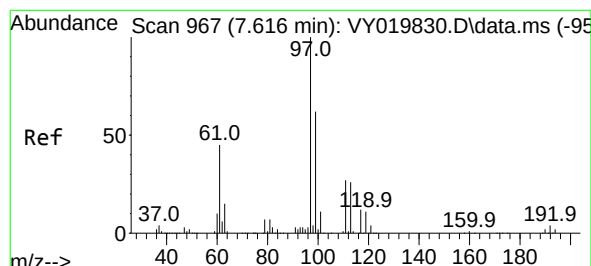
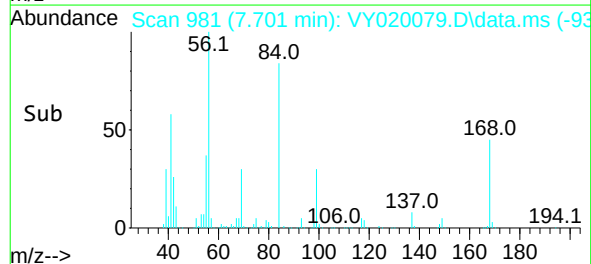
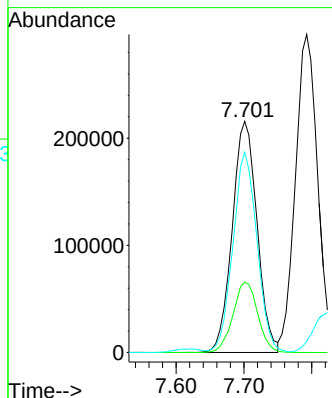
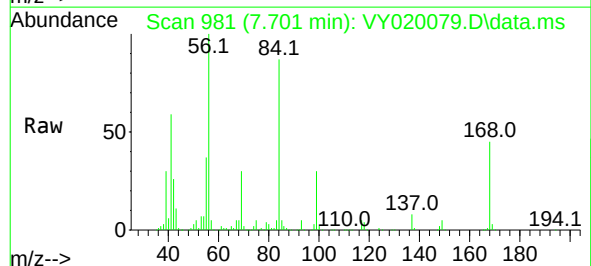
56 100

69 30.4 28.7 43.1

84 85.3 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#32

1,1,1-Trichloroethane

Concen: 104.903 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

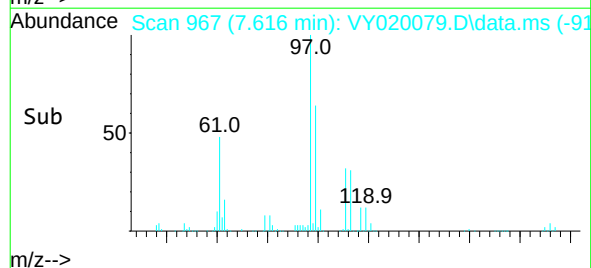
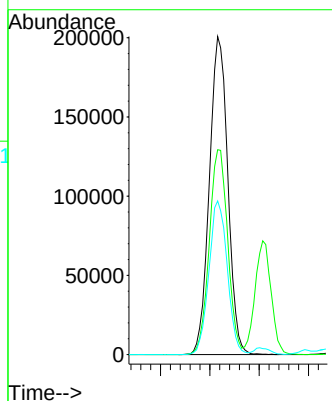
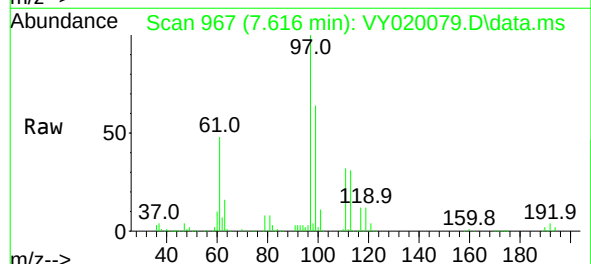
Tgt Ion: 97 Resp: 521551

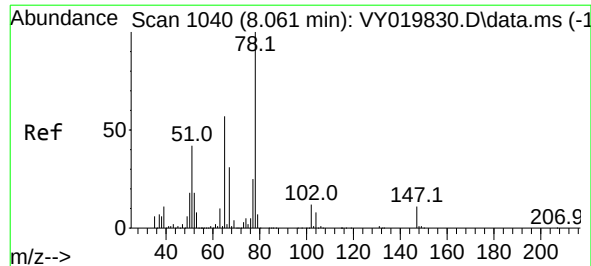
Ion Ratio Lower Upper

97 100

99 64.4 50.3 75.5

61 48.2 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 109.911 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 334356

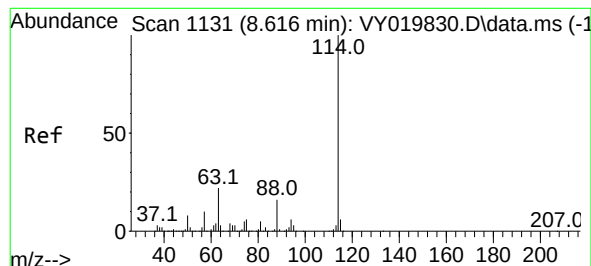
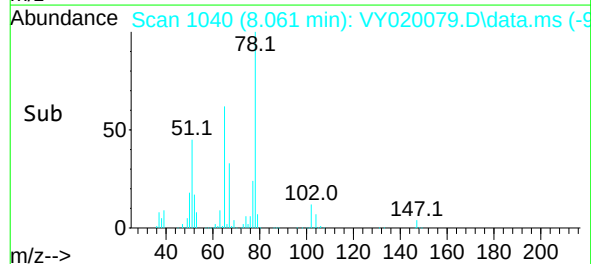
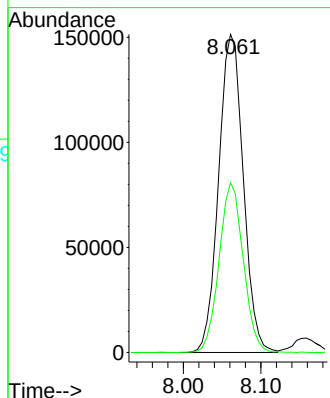
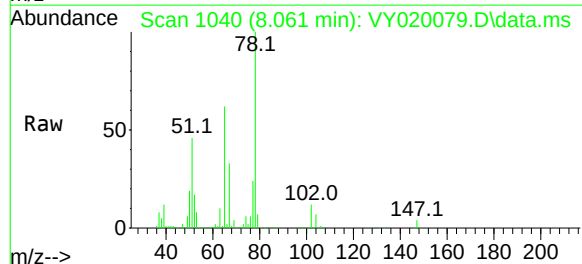
Ion Ratio Lower Upper

65 100

67 52.3 0.0 109.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

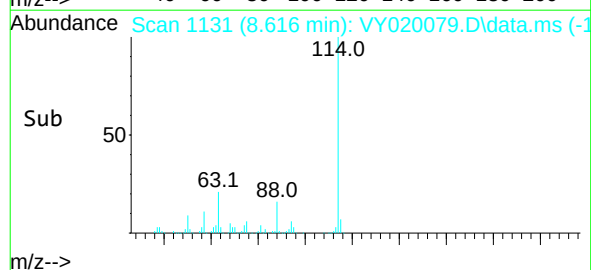
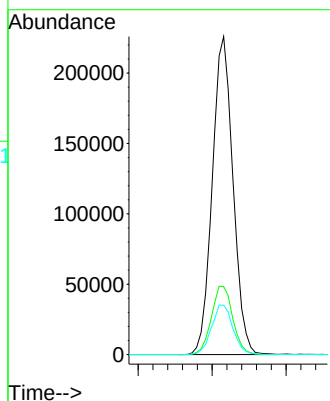
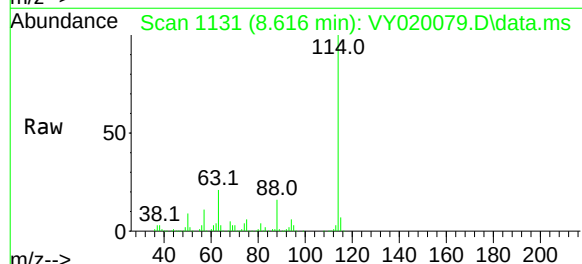
Tgt Ion:114 Resp: 439442

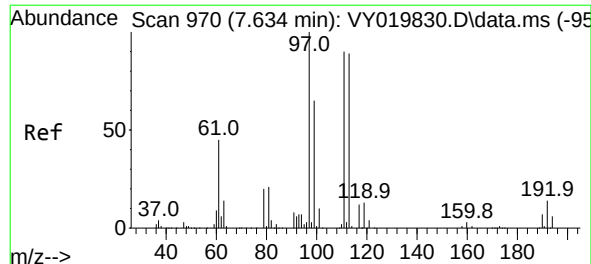
Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.0

88 15.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 110.903 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 299098

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

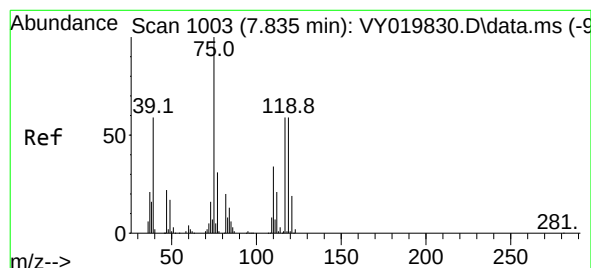
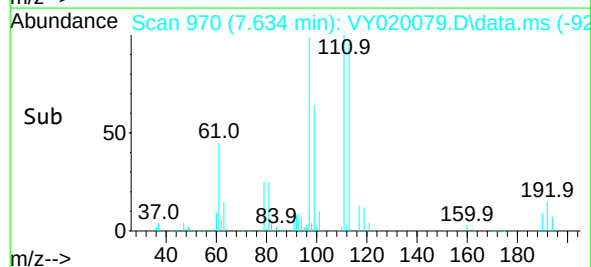
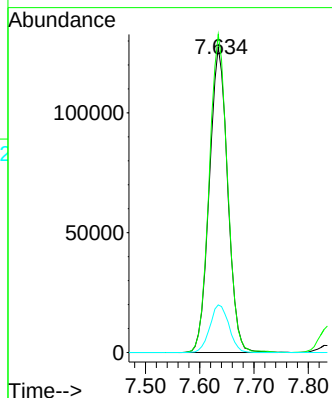
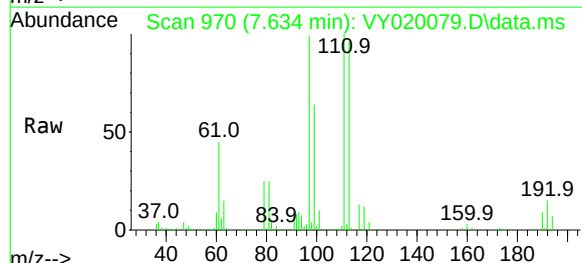
192 16.2 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#36

1,1-Dichloropropene

Concen: 106.392 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

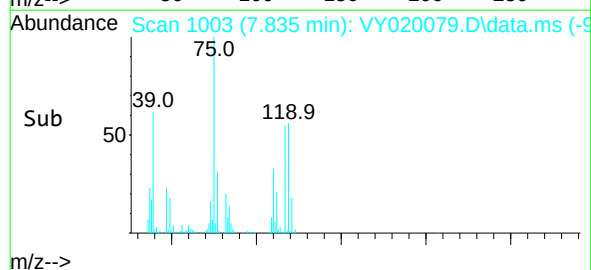
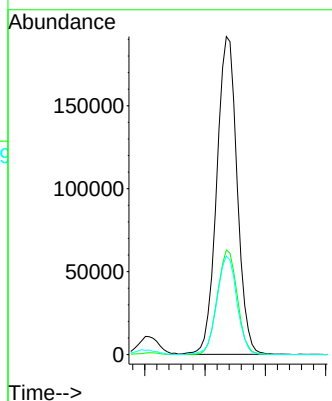
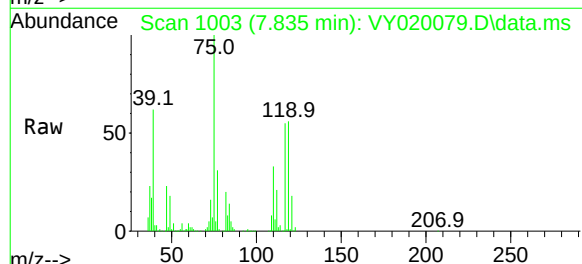
Tgt Ion: 75 Resp: 449890

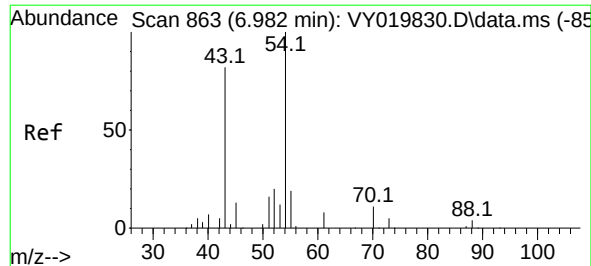
Ion Ratio Lower Upper

75 100

110 32.3 19.0 57.0

77 30.7 25.3 37.9





#37

Ethyl Acetate

Concen: 111.760 ug/l

RT: 6.988 min Scan# 863

Delta R.T. 0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 223721

Ion Ratio Lower Upper

43 100

61 12.5 12.6 19.0

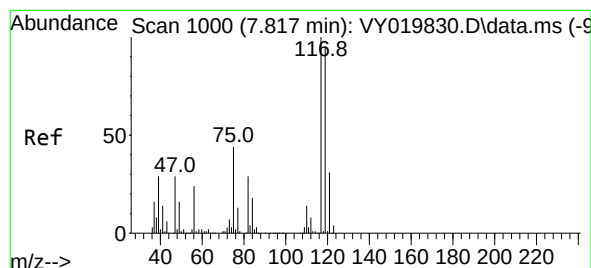
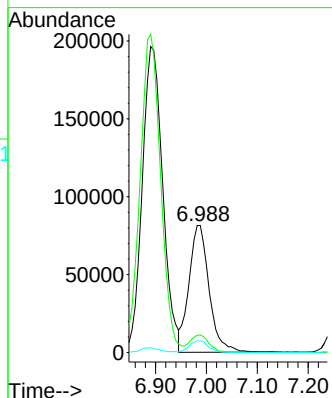
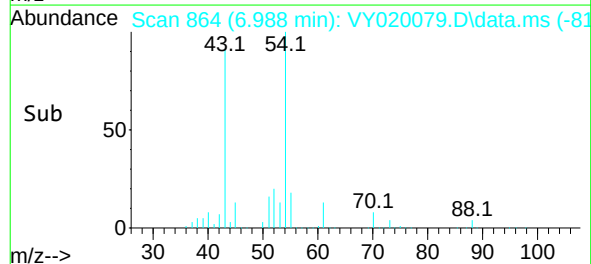
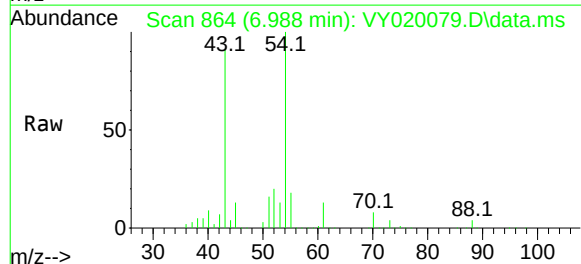
70 8.7 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 108.209 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

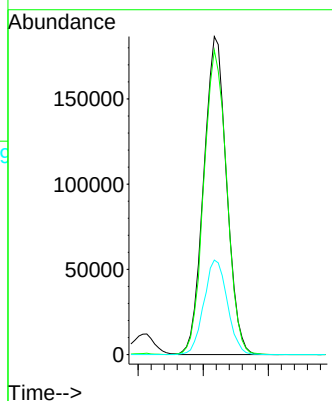
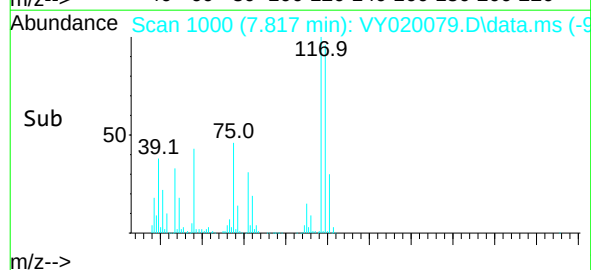
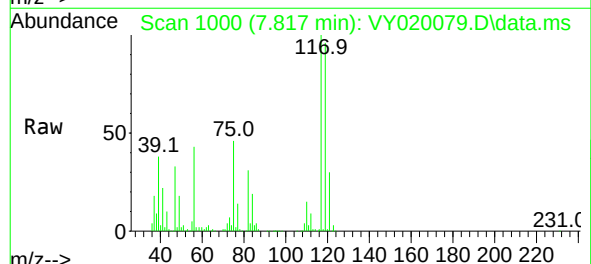
Tgt Ion:117 Resp: 456363

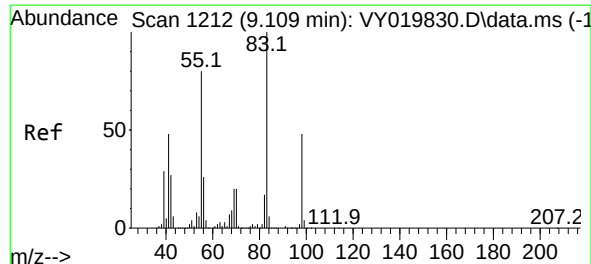
Ion Ratio Lower Upper

117 100

119 95.7 75.8 113.6

121 29.7 24.0 36.0





#39

Methylcyclohexane

Concen: 110.176 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 584361

Ion Ratio Lower Upper

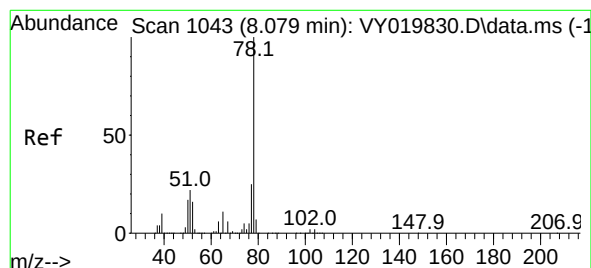
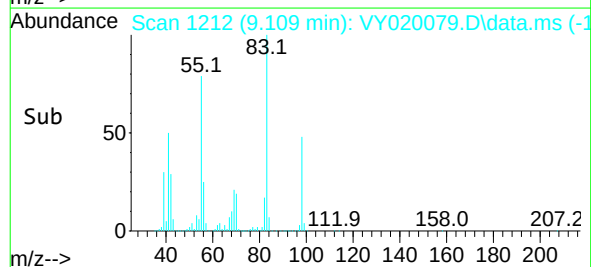
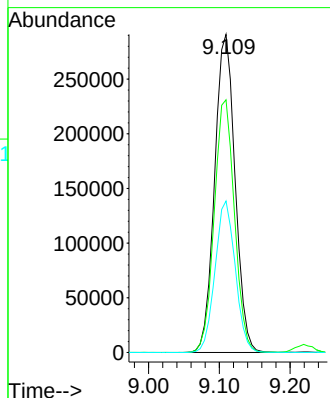
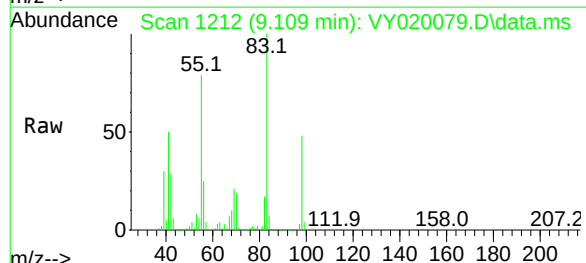
83 100

55 79.4 51.5 77.3

98 47.6 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#40

Benzene

Concen: 107.416 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020079.D

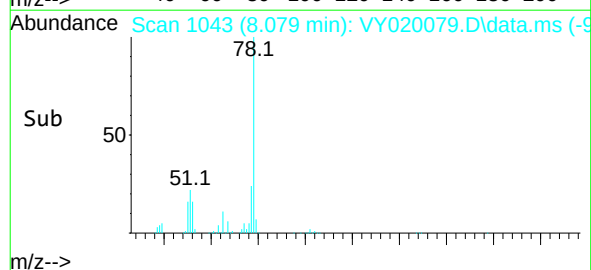
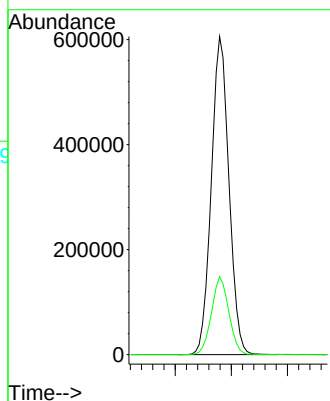
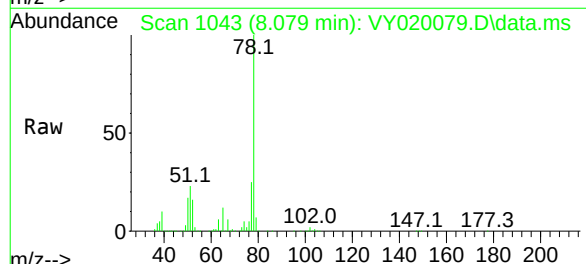
Acq: 30 Oct 2024 14:29

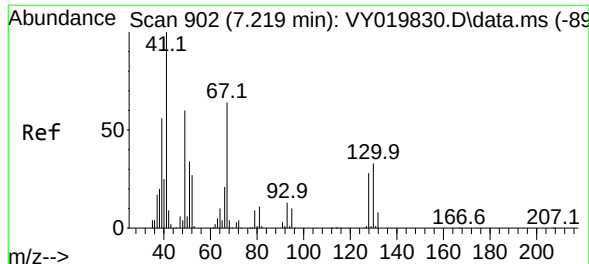
Tgt Ion: 78 Resp: 1321405

Ion Ratio Lower Upper

78 100

77 24.5 19.5 29.3





#41

Methacrylonitrile

Concen: 86.544 ug/l

RT: 7.213 min Scan# 902

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 116421

Ion Ratio Lower Upper

41 100

39 54.0 48.0 72.0

67 75.9 75.1 112.7

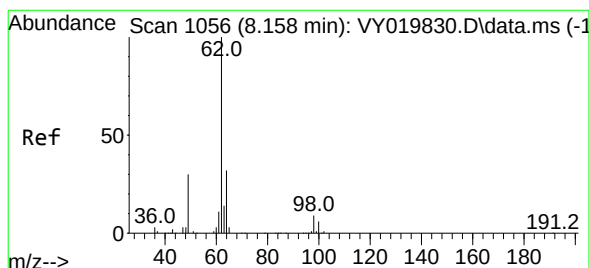
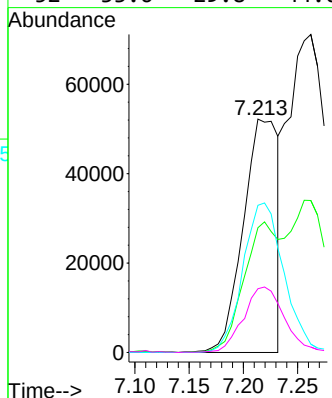
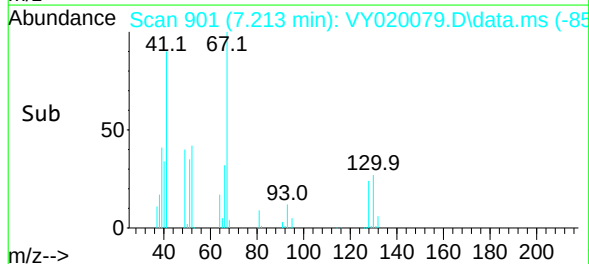
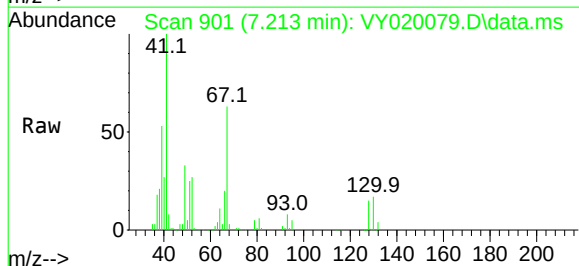
52 33.6 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#42

1,2-Dichloroethane

Concen: 110.555 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY020079.D

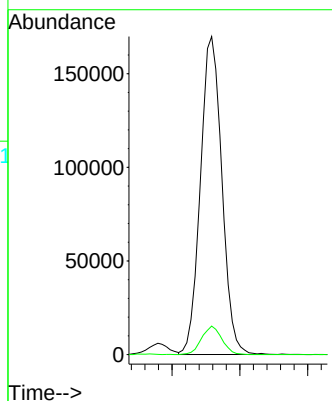
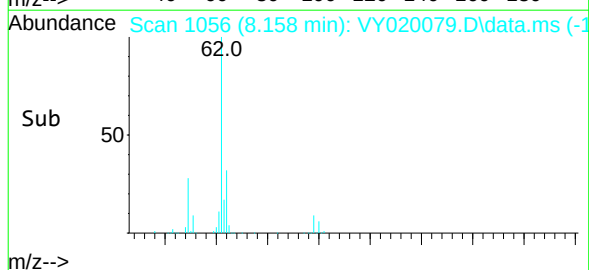
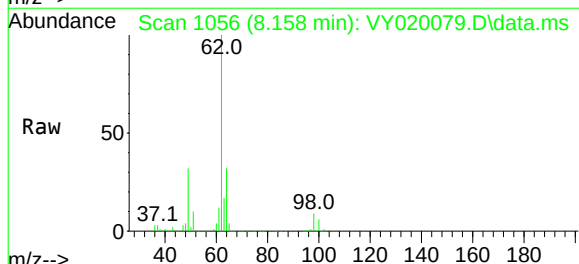
Acq: 30 Oct 2024 14:29

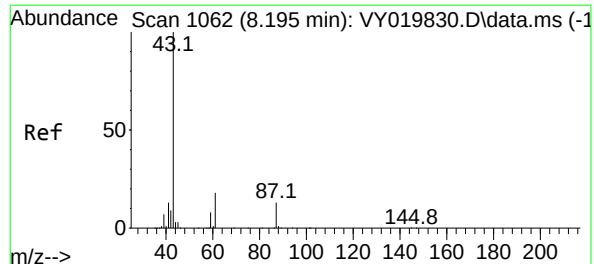
Tgt Ion: 62 Resp: 373520

Ion Ratio Lower Upper

62 100

98 8.5 0.0 22.0





#43

Isopropyl Acetate

Concen: 119.599 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

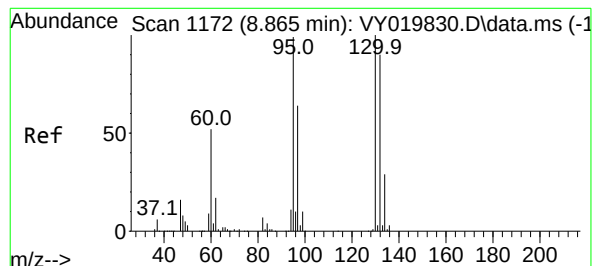
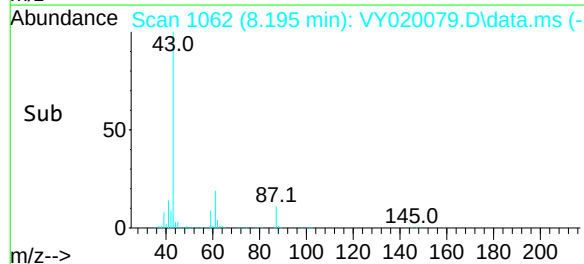
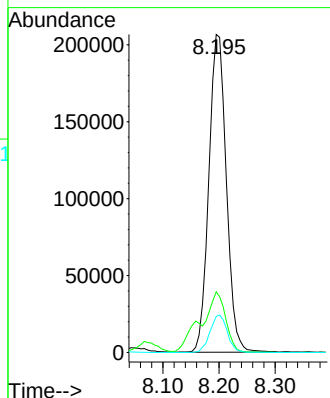
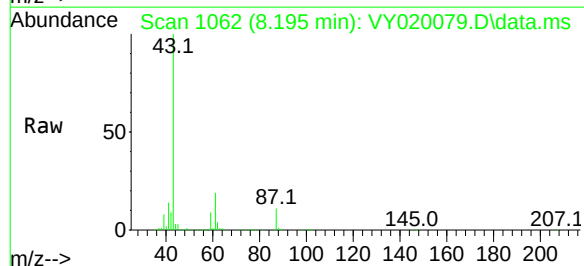
ClientSampleId :

VSTDICC100

Tgt Ion:	43	Resp:	447889
Ion	Ratio	Lower	Upper
43	100		
61	18.8	27.9	41.9
87	11.6	13.1	19.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 107.143 ug/l

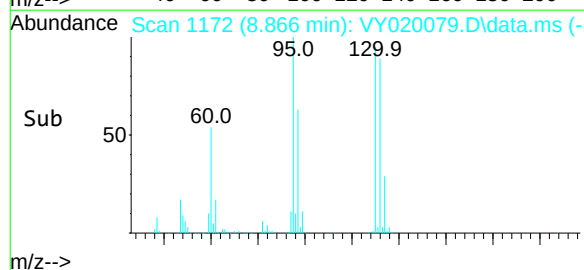
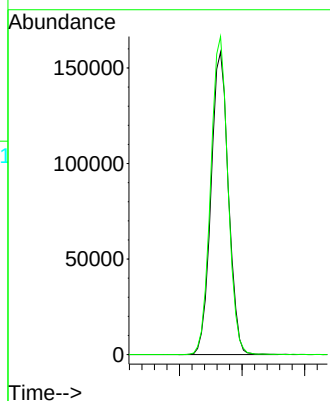
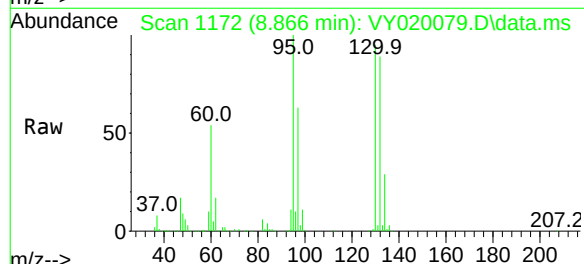
RT: 8.866 min Scan# 1172

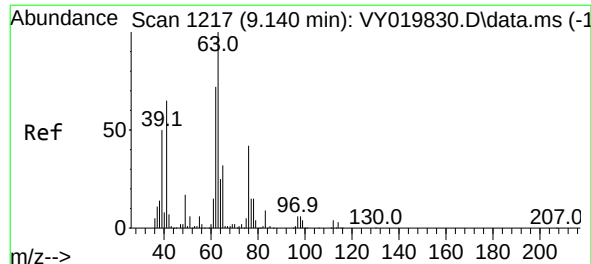
Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	130	Resp:	305872
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 109.122 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 318959

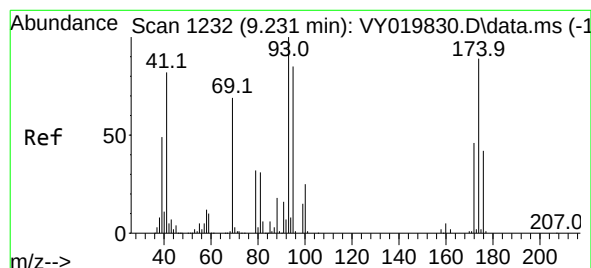
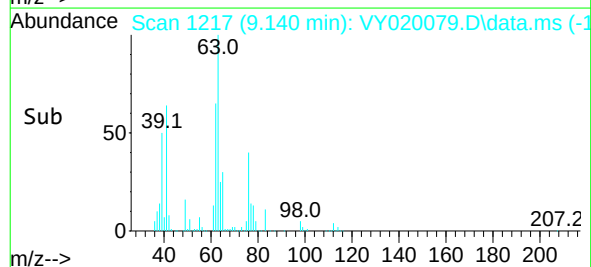
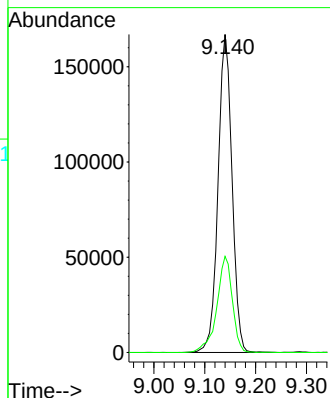
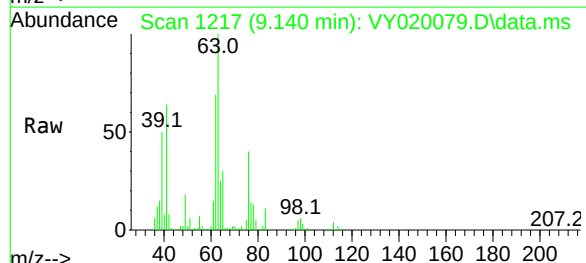
Ion Ratio Lower Upper

63 100

65 30.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#46

Dibromomethane

Concen: 111.406 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

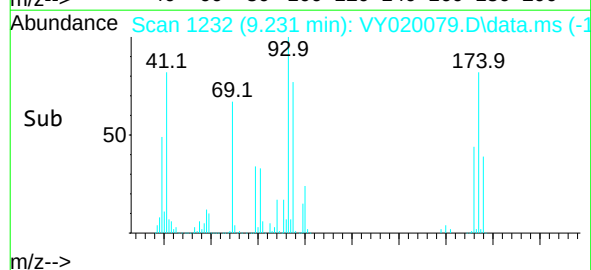
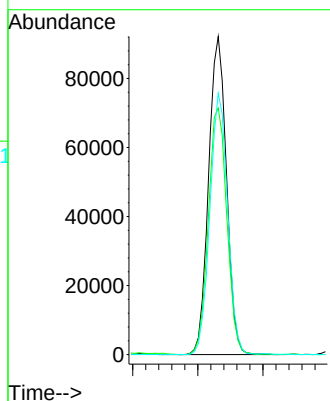
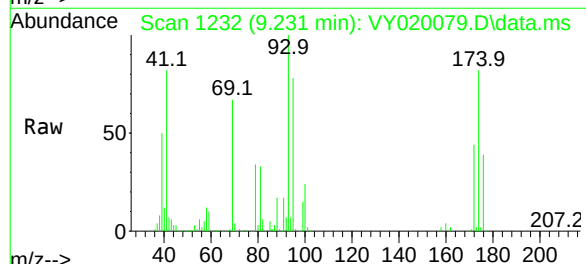
Tgt Ion: 93 Resp: 175876

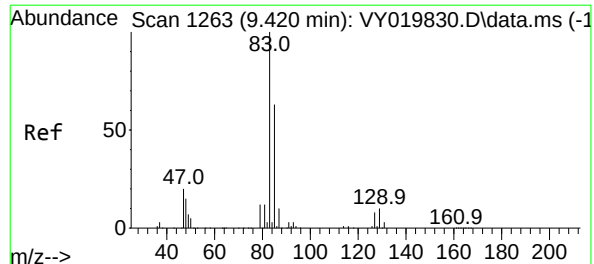
Ion Ratio Lower Upper

93 100

95 80.2 66.2 99.4

174 81.6 80.9 121.3





#47

Bromodichloromethane

Concen: 112.218 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

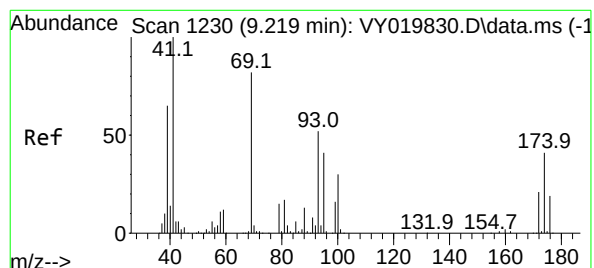
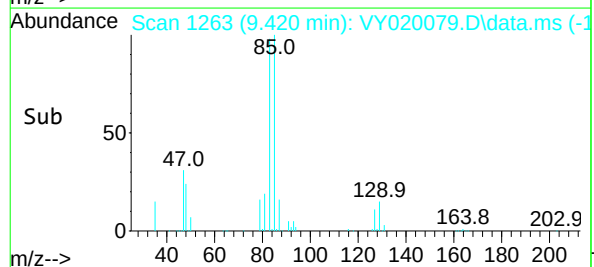
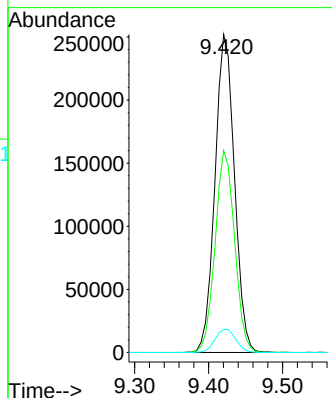
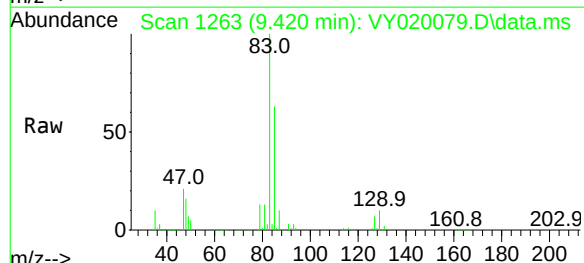
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	461878
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.1	75.1
127	7.3	7.4	11.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#48

Methyl methacrylate

Concen: 126.286 ug/l

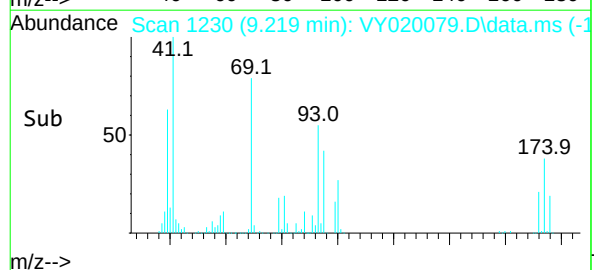
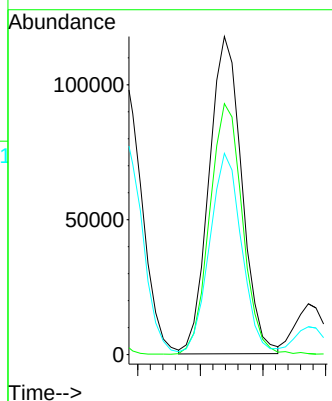
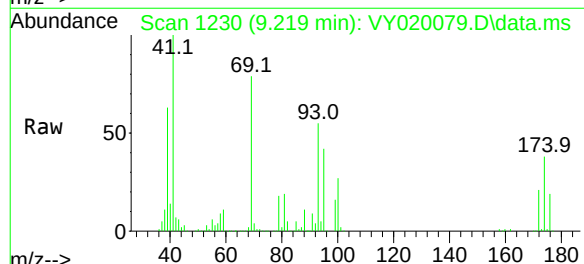
RT: 9.219 min Scan# 1230

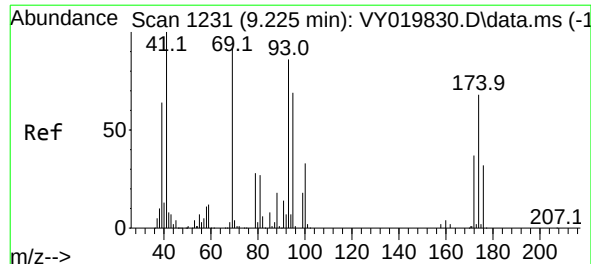
Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	41	Resp:	214211
Ion	Ratio	Lower	Upper
41	100		
69	78.9	84.1	126.1
39	60.3	43.6	65.4





#49

1,4-Dioxane

Concen: 2496.859 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 39210

Ion Ratio Lower Upper

88 100

43 39.3 0.0 0.0

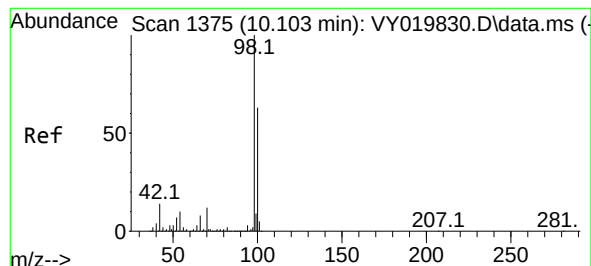
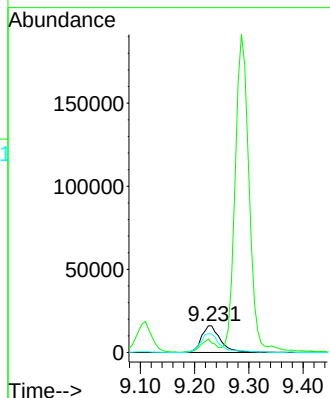
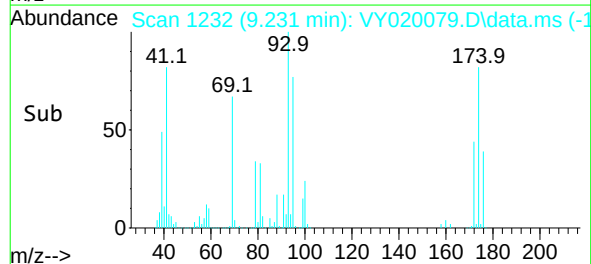
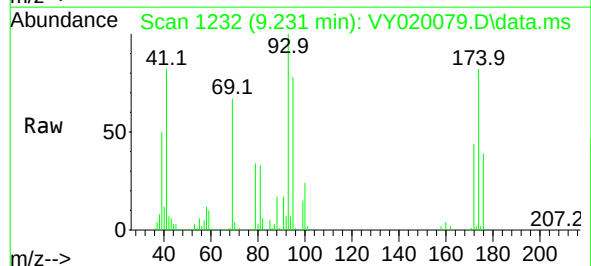
58 75.0 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#50

Toluene-d8

Concen: 113.817 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020079.D

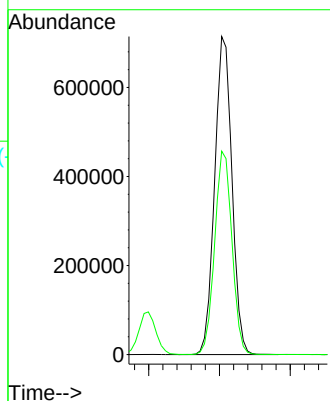
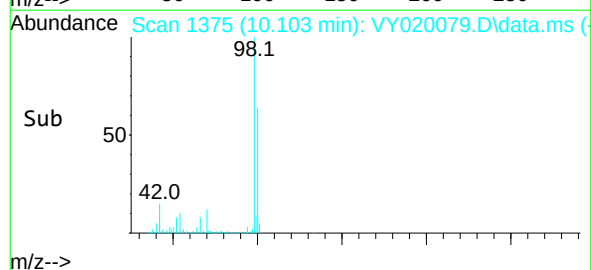
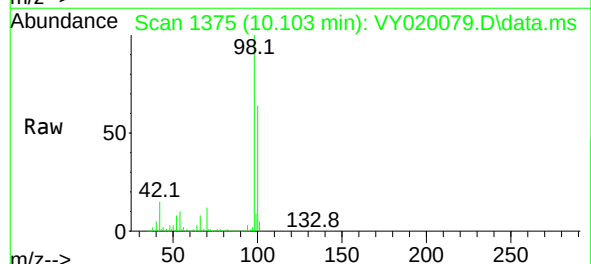
Acq: 30 Oct 2024 14:29

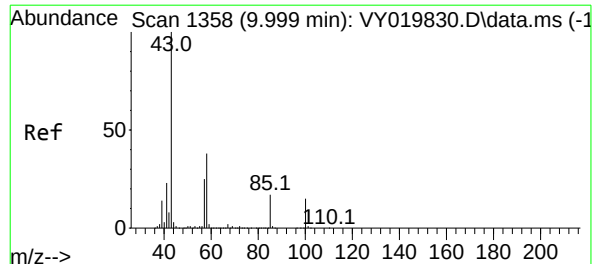
Tgt Ion: 98 Resp: 1212617

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 617.696 ug/l

RT: 9.993 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1181631

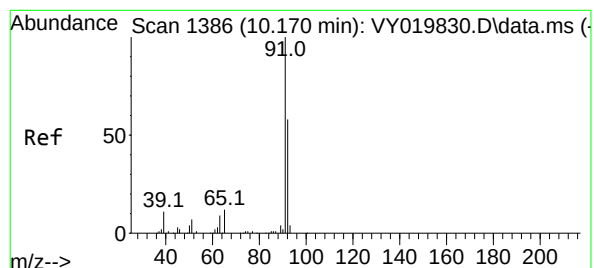
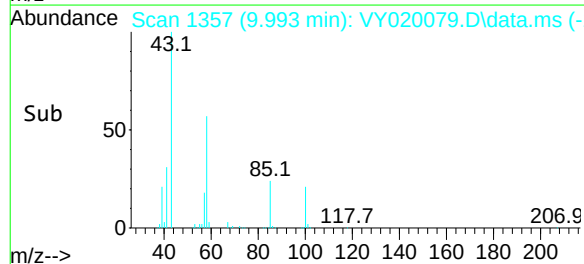
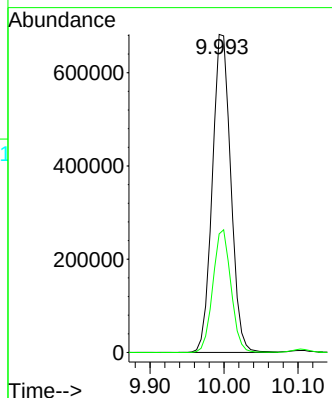
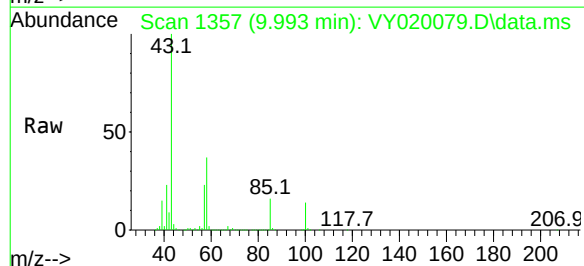
Ion Ratio Lower Upper

43 100

58 37.9 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#52

Toluene

Concen: 112.304 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020079.D

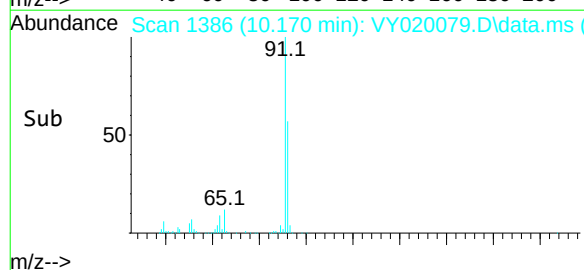
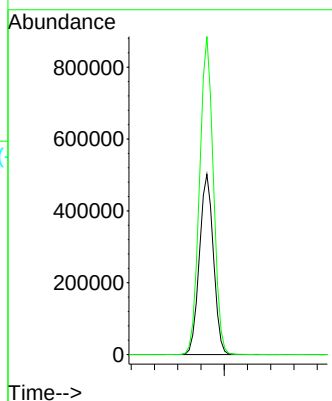
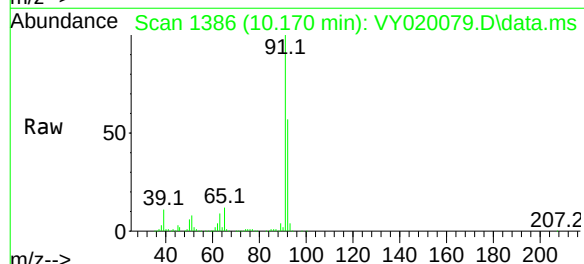
Acq: 30 Oct 2024 14:29

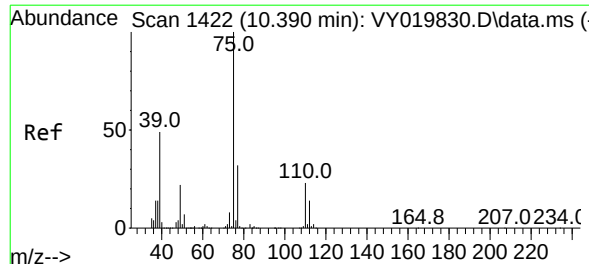
Tgt Ion: 92 Resp: 837777

Ion Ratio Lower Upper

92 100

91 173.6 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 121.149 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 427557

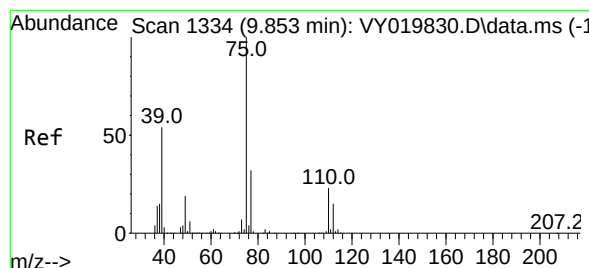
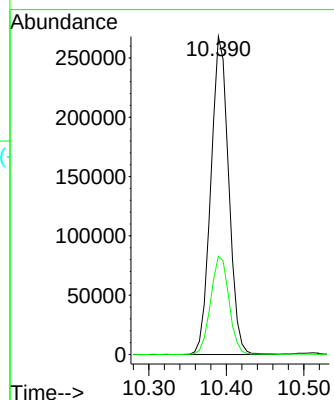
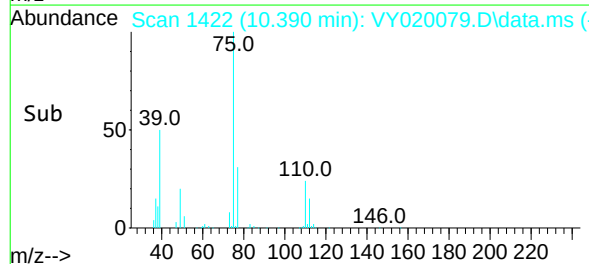
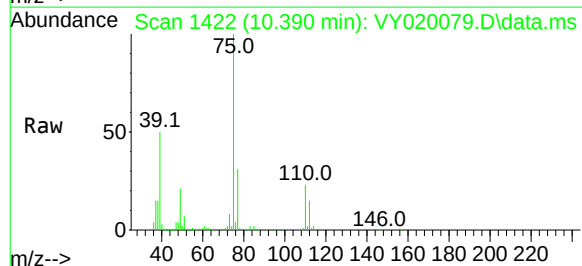
Ion Ratio Lower Upper

75 100

77 30.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#54

cis-1,3-Dichloropropene

Concen: 118.582 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

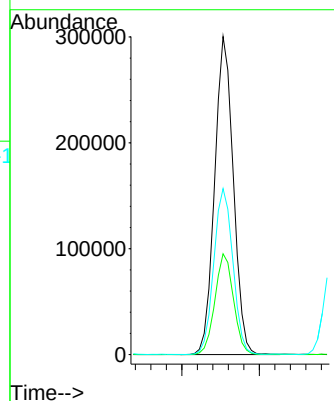
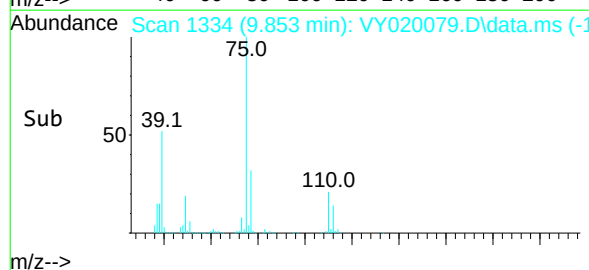
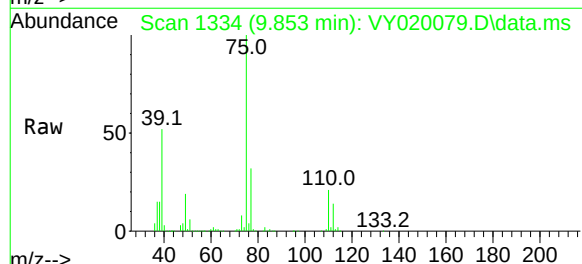
Tgt Ion: 75 Resp: 503580

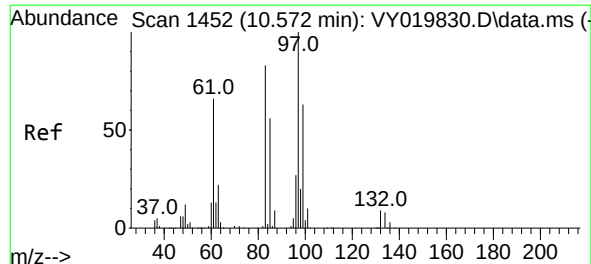
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 52.1 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 116.492 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 225678

Ion Ratio Lower Upper

97 100

83 88.3 67.5 101.3

85 58.4 42.9 64.3

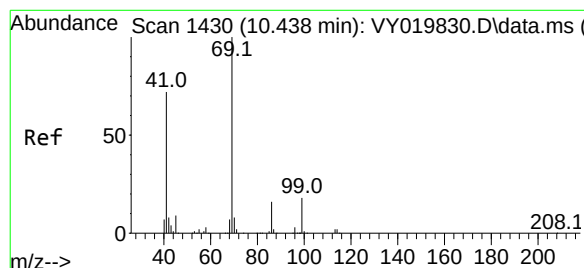
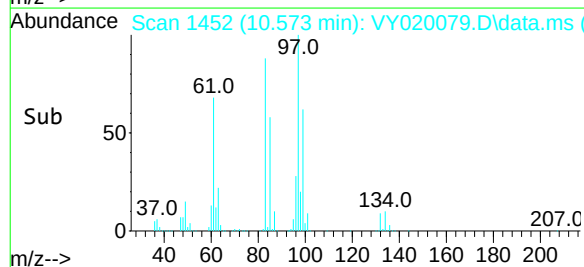
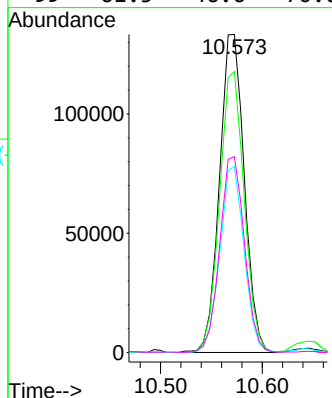
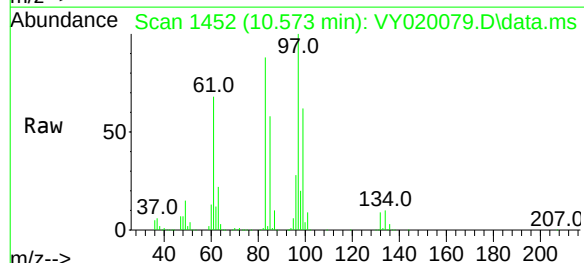
99 61.5 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#56

Ethyl methacrylate

Concen: 131.431 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

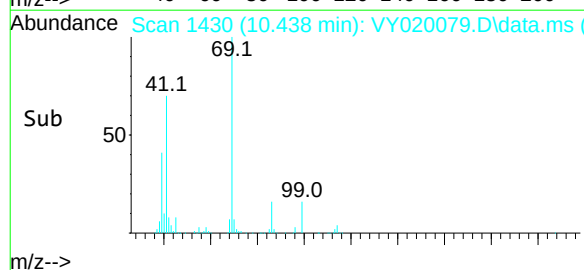
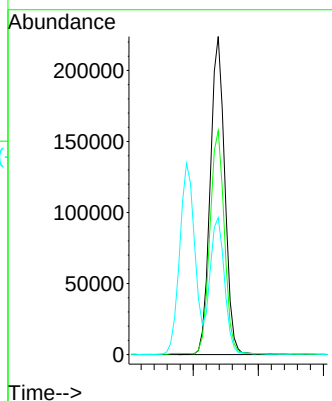
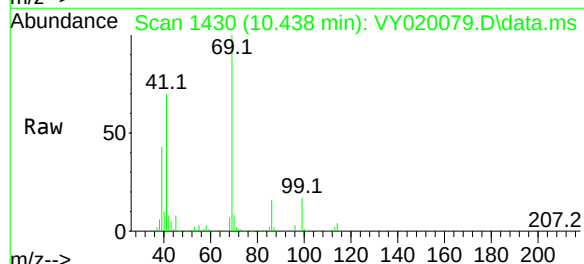
Tgt Ion: 69 Resp: 347881

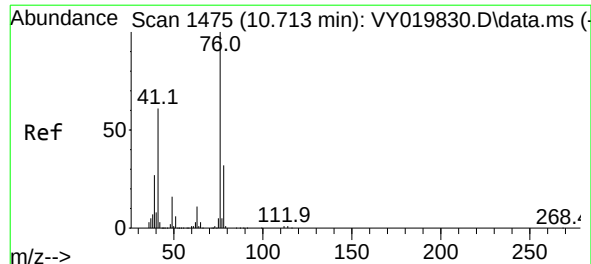
Ion Ratio Lower Upper

69 100

41 69.8 42.3 63.5#

39 43.2 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 114.214 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 407824

Ion Ratio Lower Upper

76 100

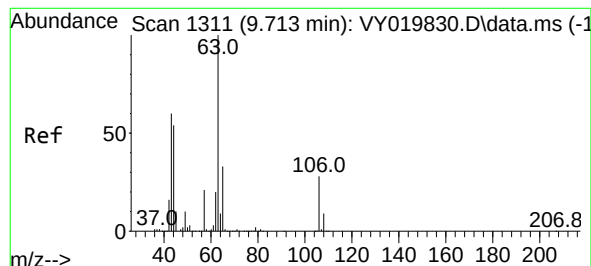
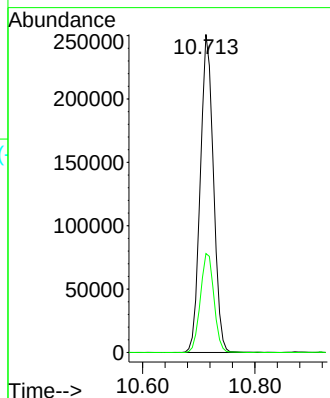
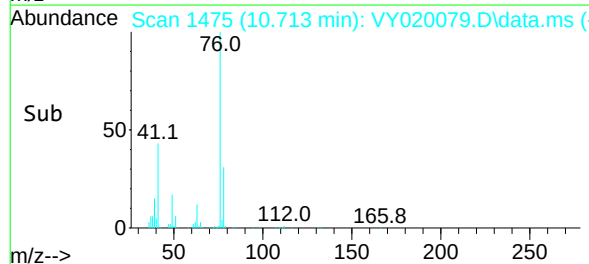
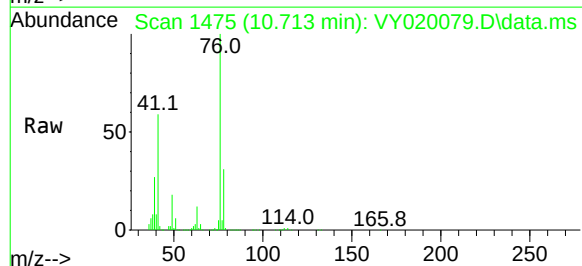
78 32.2 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#58

2-Chloroethyl Vinyl ether

Concen: 604.610 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY020079.D

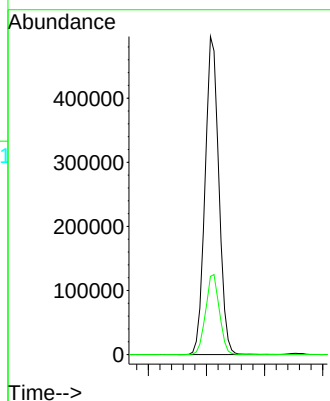
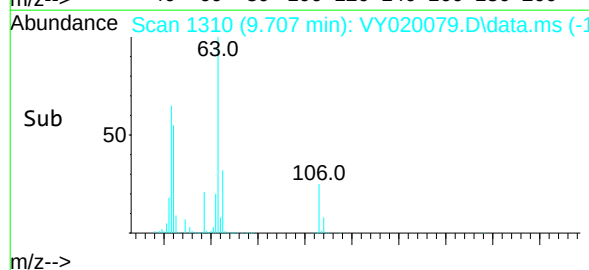
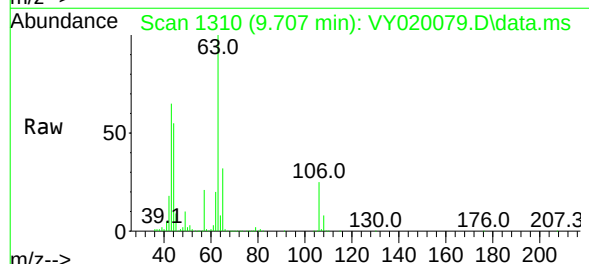
Acq: 30 Oct 2024 14:29

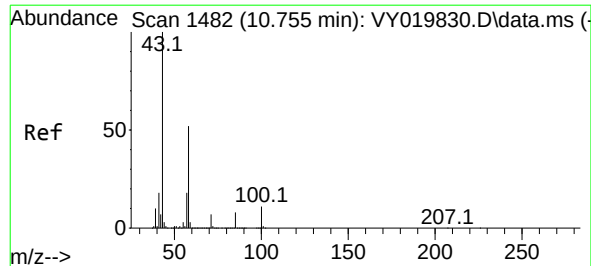
Tgt Ion: 63 Resp: 816231

Ion Ratio Lower Upper

63 100

106 25.2 23.7 35.5





#59

2-Hexanone

Concen: 641.505 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 870879

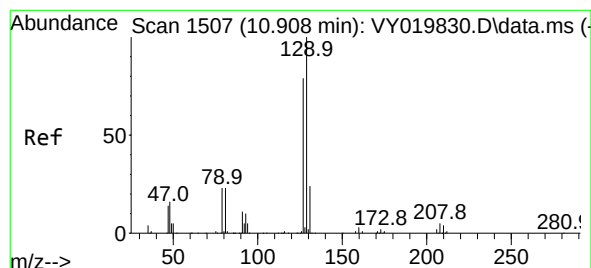
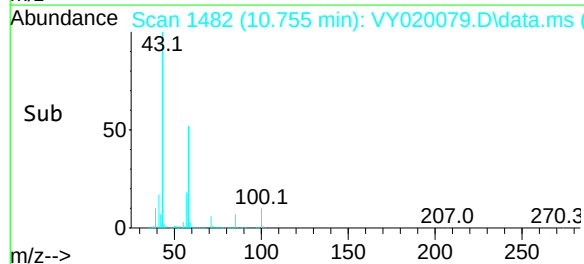
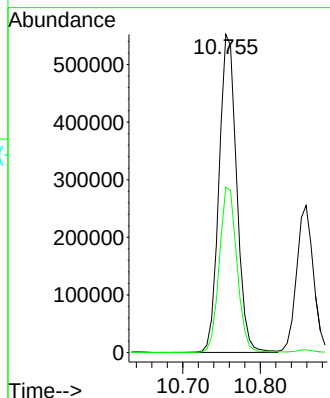
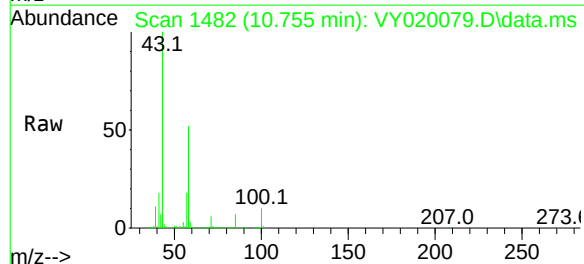
Ion Ratio Lower Upper

43 100

58 52.3 31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#60

Dibromochloromethane

Concen: 119.734 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.006 min

Lab File: VY020079.D

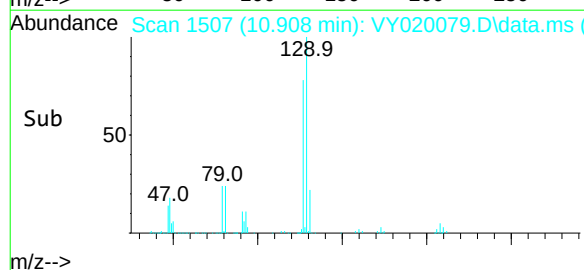
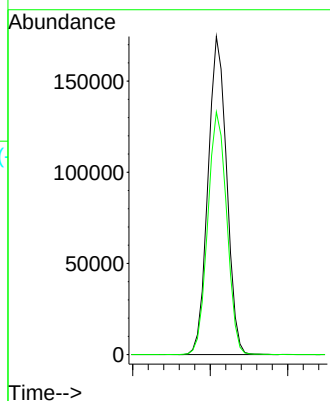
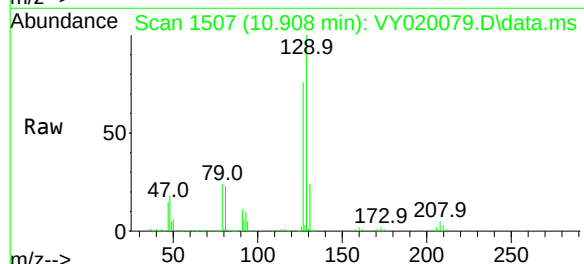
Acq: 30 Oct 2024 14:29

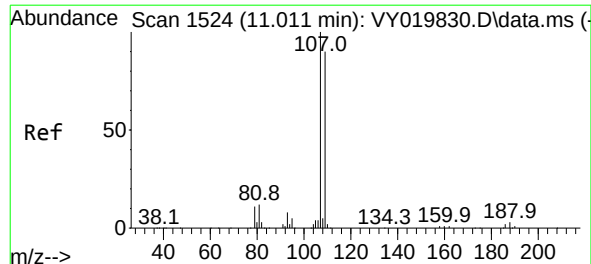
Tgt Ion:129 Resp: 291690

Ion Ratio Lower Upper

129 100

127 77.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 112.681 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:107 Resp: 204752

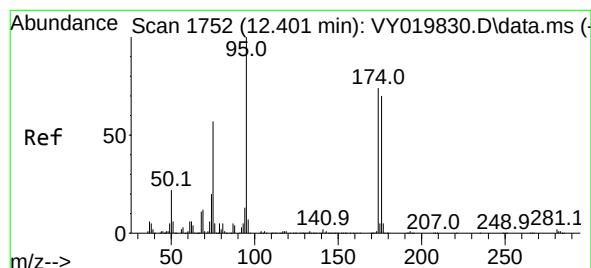
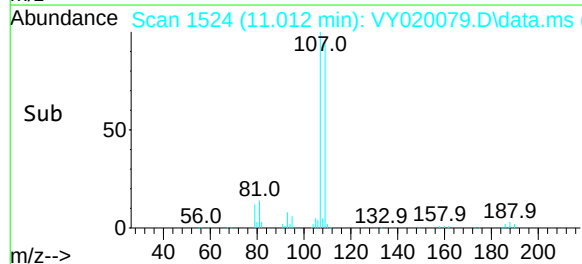
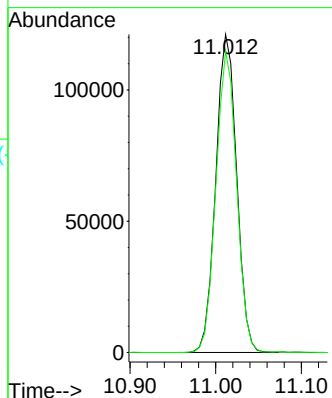
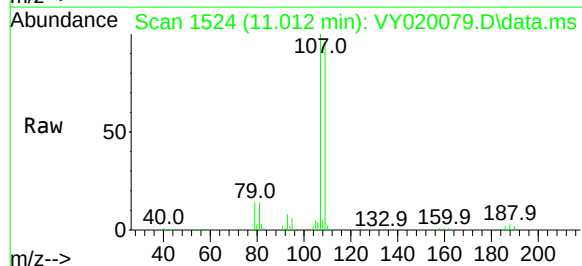
Ion Ratio Lower Upper

107 100

109 94.2 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#62

4-Bromofluorobenzene

Concen: 119.648 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

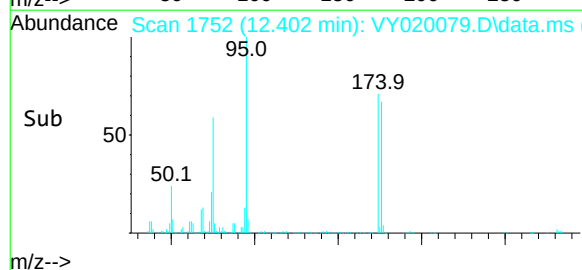
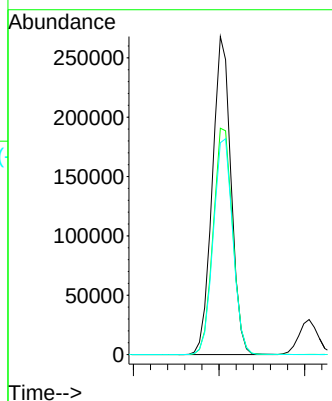
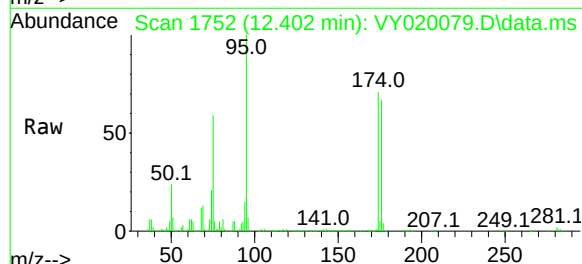
Tgt Ion: 95 Resp: 407188

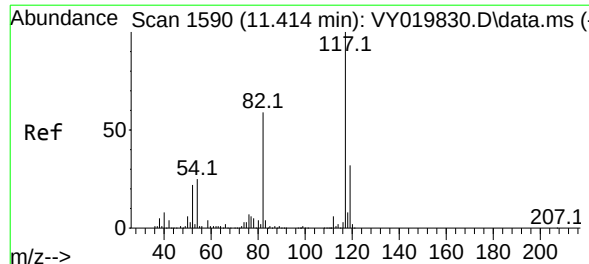
Ion Ratio Lower Upper

95 100

174 73.8 0.0 175.6

176 70.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 392085

Ion Ratio Lower Upper

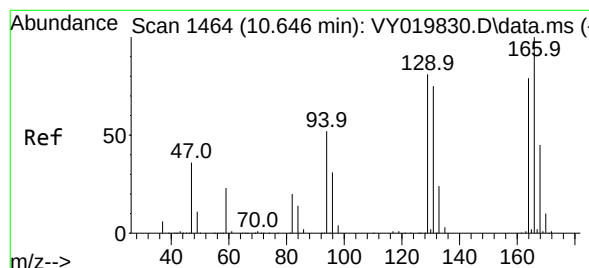
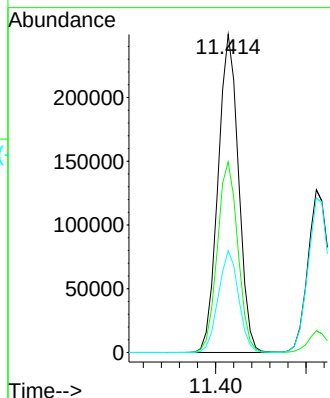
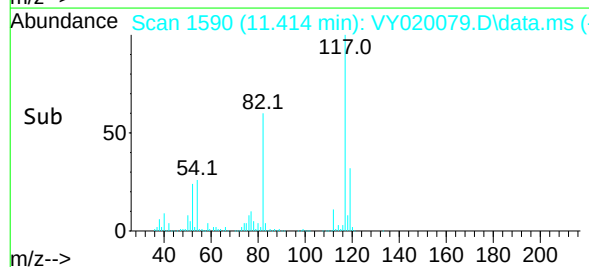
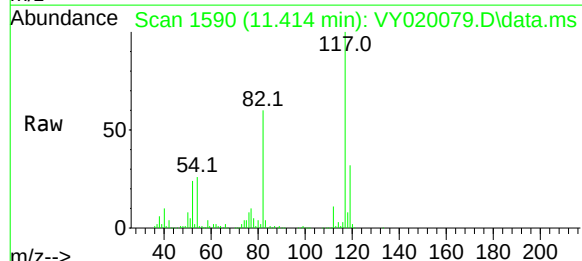
117 100

82 59.9 42.4 63.6

119 32.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#64

Tetrachloroethene

Concen: 106.219 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:164 Resp: 269475

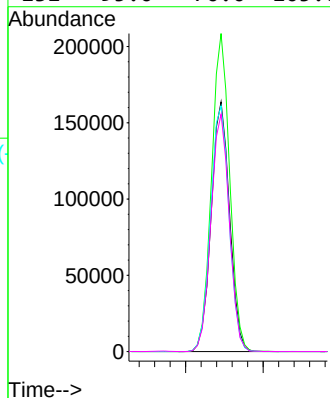
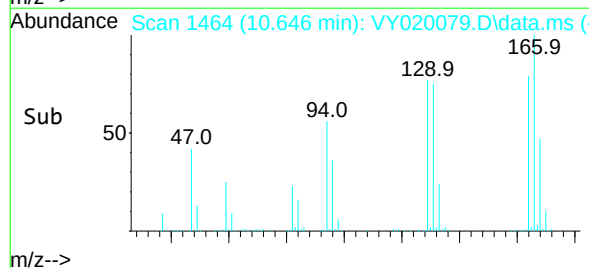
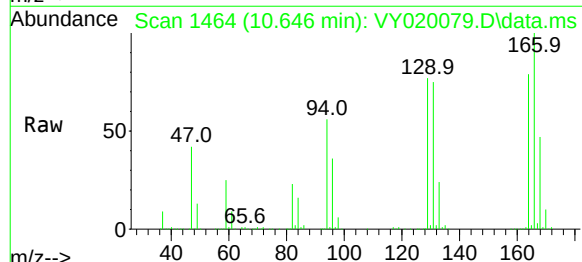
Ion Ratio Lower Upper

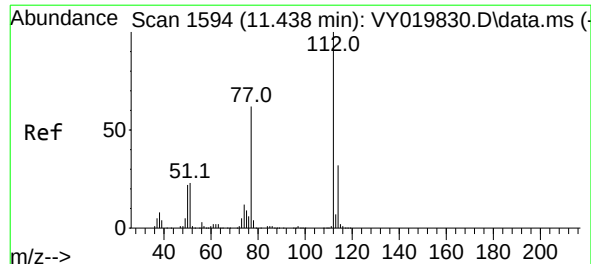
164 100

166 127.4 102.6 154.0

129 98.4 72.0 108.0

131 95.0 70.0 105.0





#65

Chlorobenzene

Concen: 107.289 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 873808

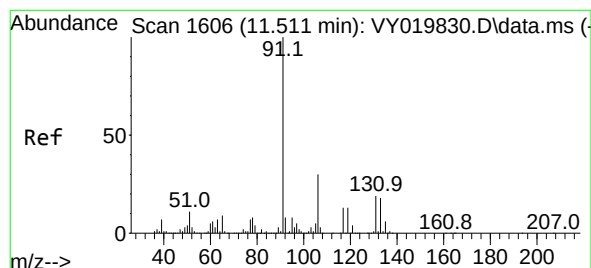
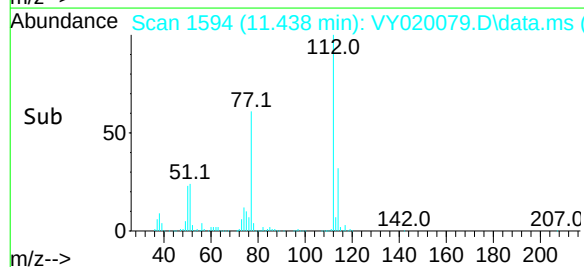
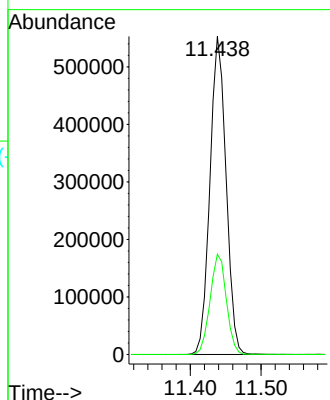
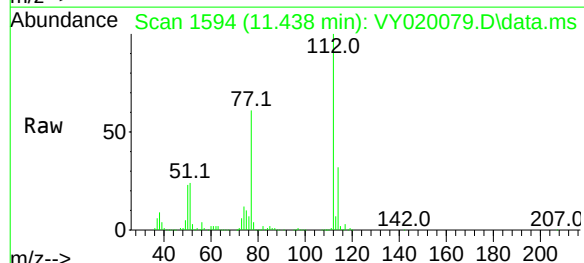
Ion Ratio Lower Upper

112 100

114 31.5 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#66

1,1,1,2-Tetrachloroethane

Concen: 111.823 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

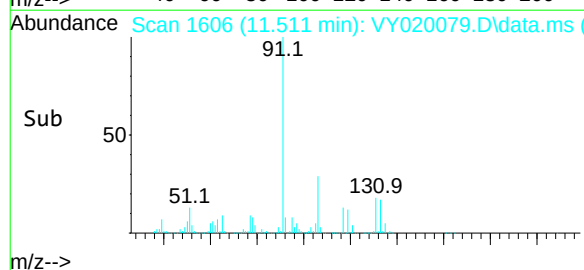
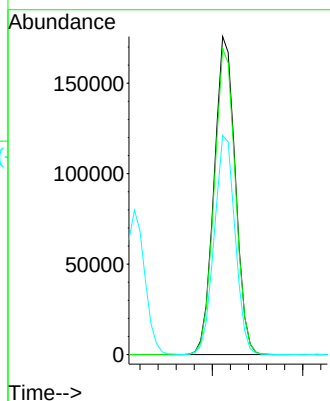
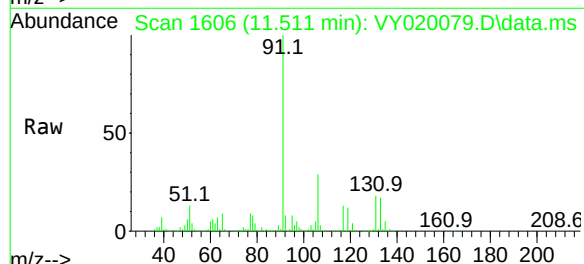
Tgt Ion:131 Resp: 286476

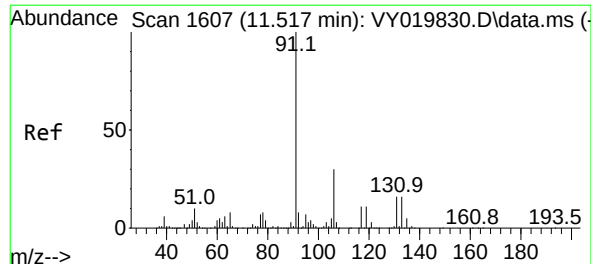
Ion Ratio Lower Upper

131 100

133 96.0 47.8 143.3

119 67.9 34.1 102.2





#67

Ethyl Benzene

Concen: 109.651 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1657653

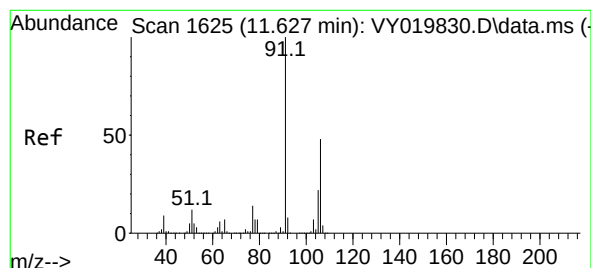
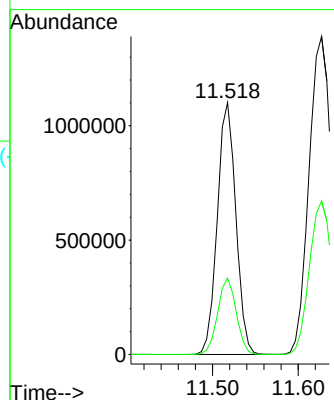
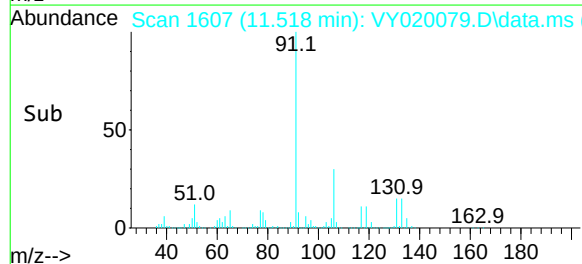
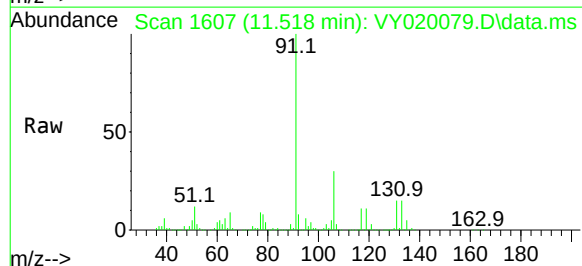
Ion Ratio Lower Upper

91 100

106 30.3 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#68

m/p-Xylenes

Concen: 221.671 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020079.D

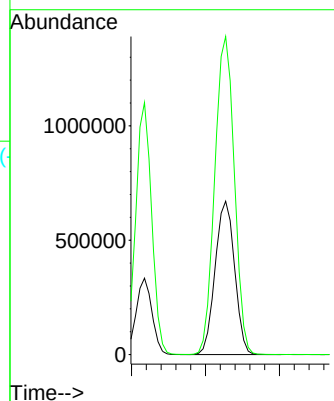
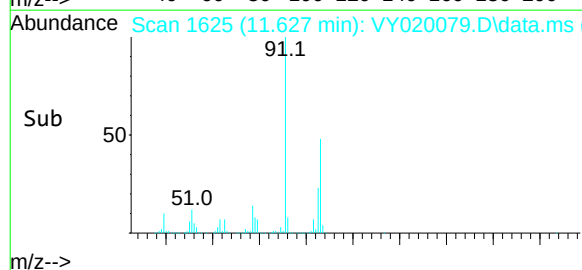
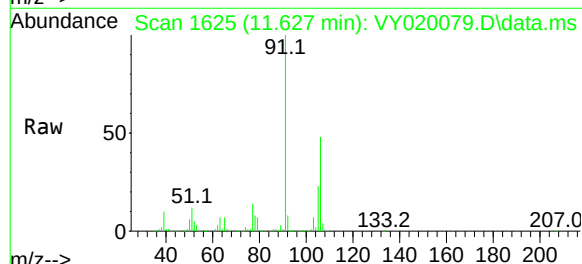
Acq: 30 Oct 2024 14:29

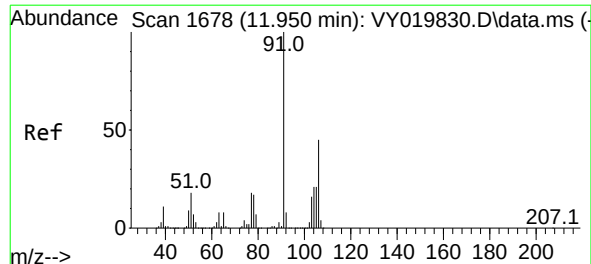
Tgt Ion:106 Resp: 1221696

Ion Ratio Lower Upper

106 100

91 208.9 156.0 234.0





#69

o-Xylene

Concen: 112.554 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 584516

Ion Ratio Lower Upper

106 100

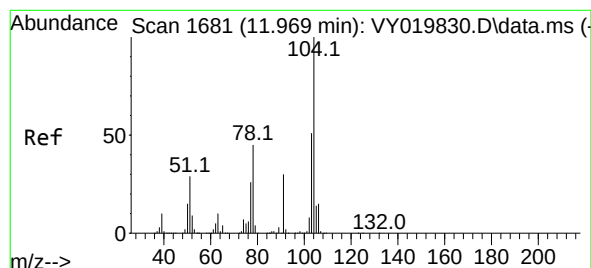
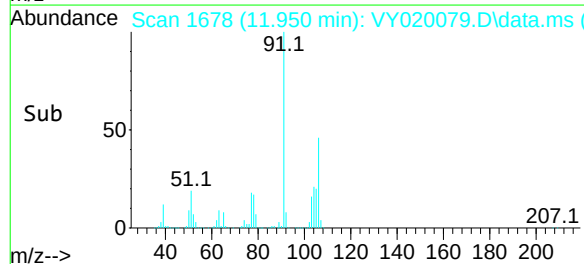
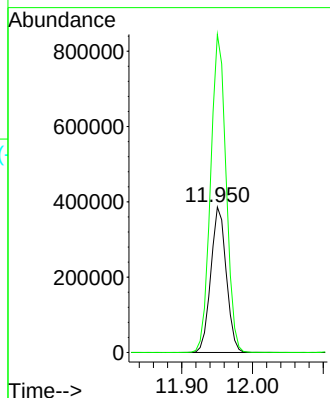
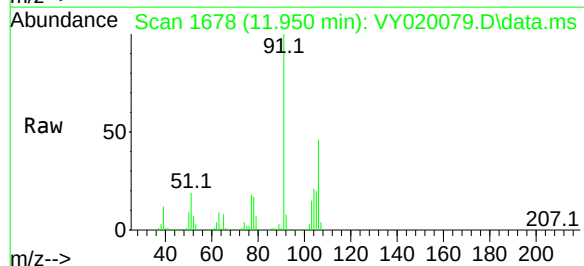
91 219.2 103.6 310.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#70

Styrene

Concen: 116.822 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

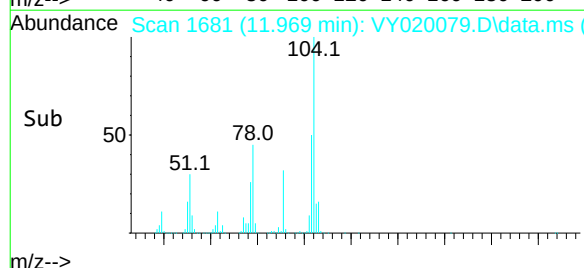
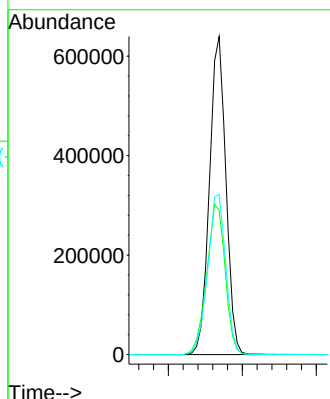
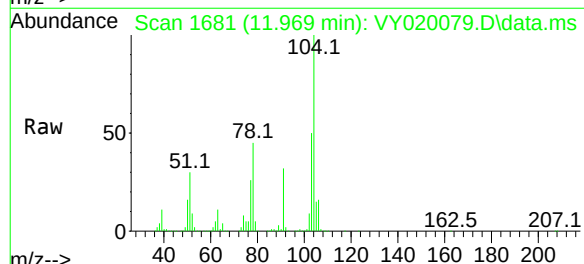
Tgt Ion:104 Resp: 987405

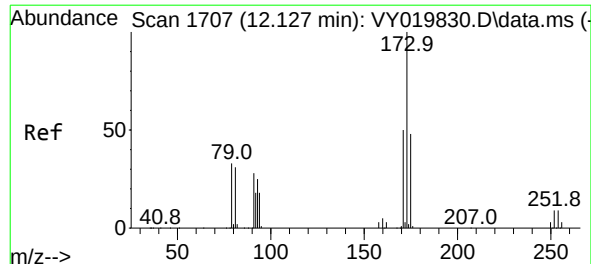
Ion Ratio Lower Upper

104 100

78 53.0 37.0 55.4

103 55.4 44.2 66.2





#71

Bromoform

Concen: 124.151 ug/l

RT: 12.127 min Scan# 1707

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

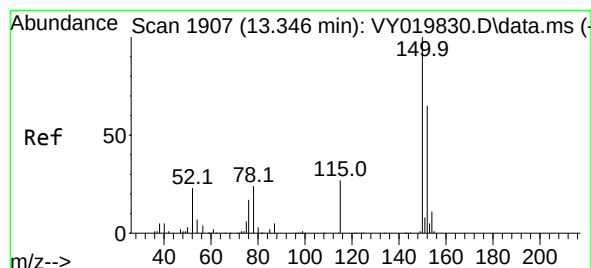
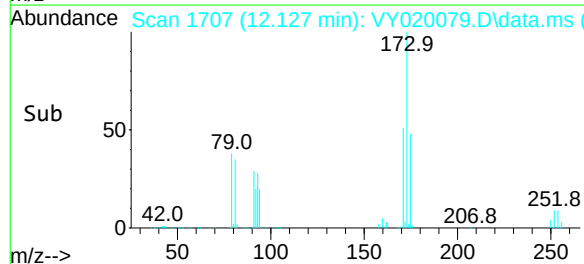
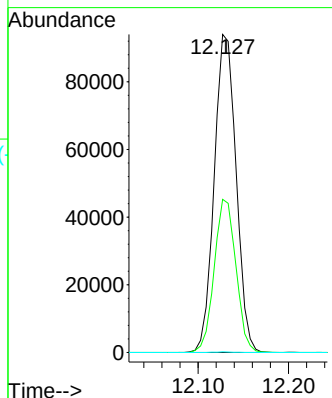
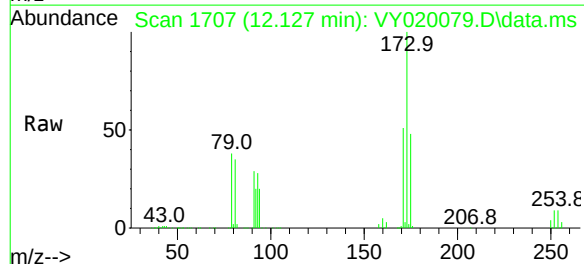
ClientSampleId :

VSTDICC100

Tgt Ion:	173	Resp:	158309
Ion Ratio	Lower	Upper	
173	100		
175	47.7	25.1	75.3
254	0.1	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

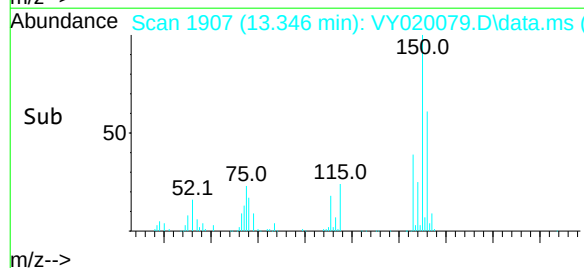
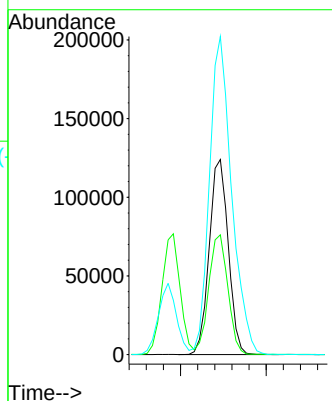
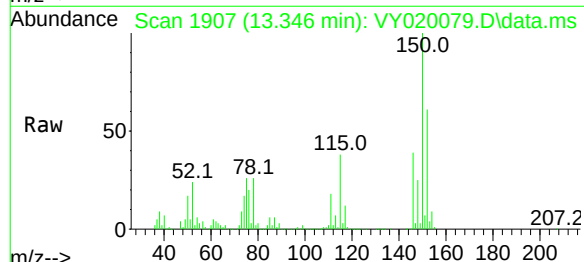
RT: 13.346 min Scan# 1907

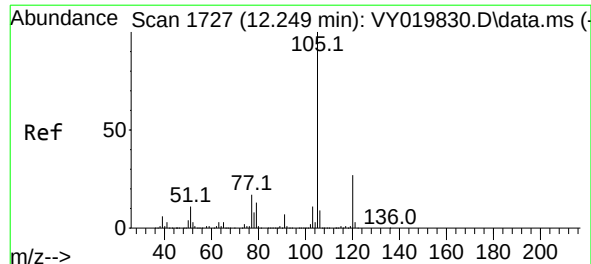
Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	152	Resp:	191175
Ion Ratio	Lower	Upper	
152	100		
115	61.5	28.2	84.7
150	190.4	0.0	345.6





#73

Isopropylbenzene

Concen: 105.280 ug/l

RT: 12.255 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 1567277

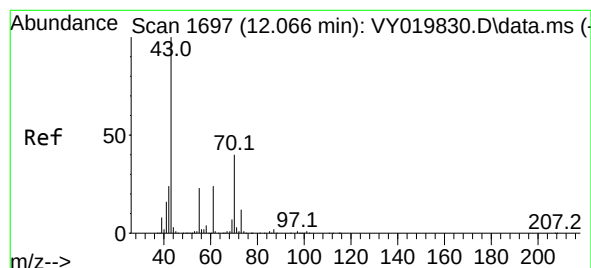
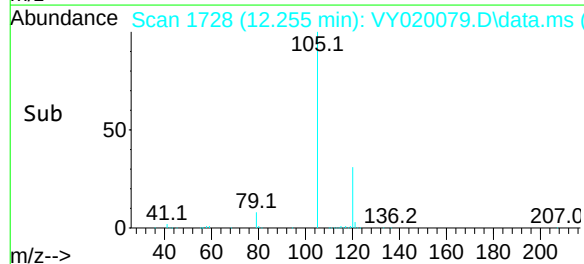
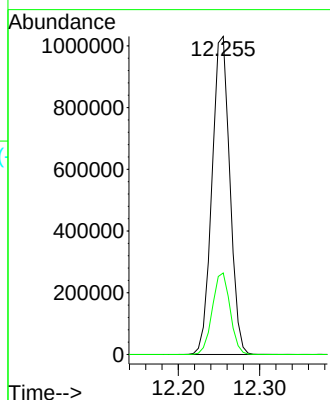
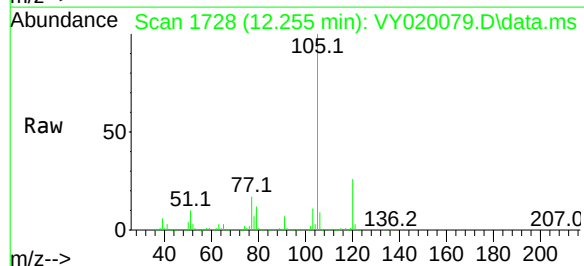
Ion Ratio Lower Upper

105 100

120 25.6 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#74

N-ethyl acetate

Concen: 126.177 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion: 43 Resp: 441898

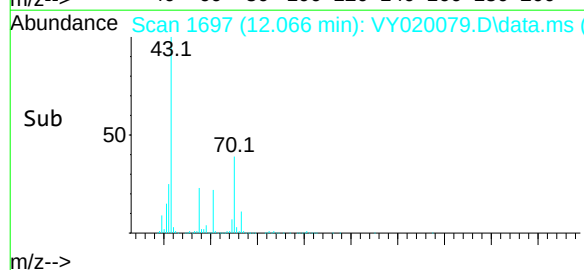
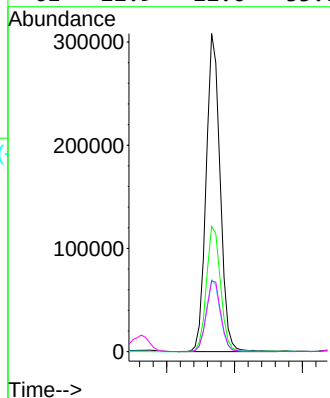
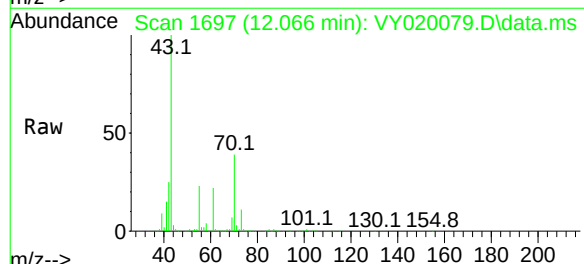
Ion Ratio Lower Upper

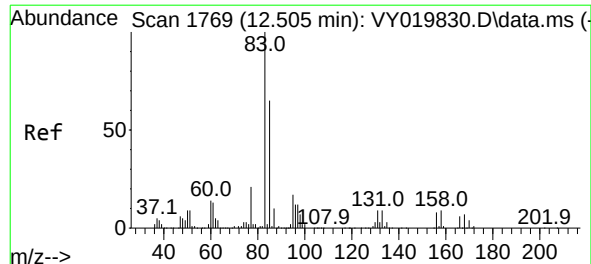
43 100

70 39.6 41.4 62.2#

55 22.8 23.3 34.9#

61 22.9 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 105.904 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

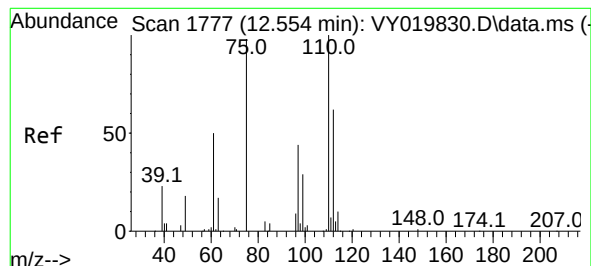
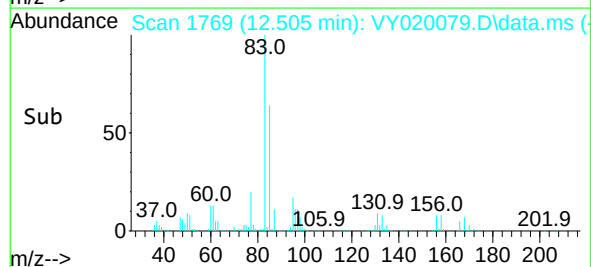
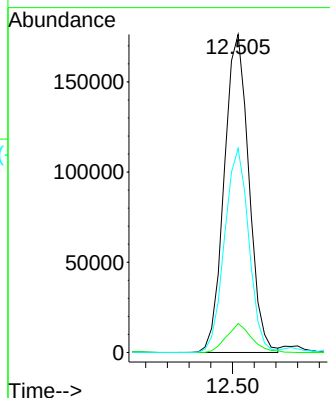
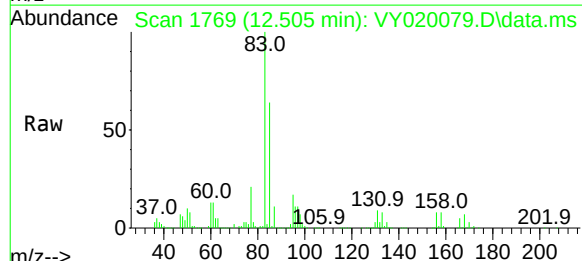
ClientSampleId :

VSTDICC100

Tgt Ion:	83	Resp:	277920
Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	63.2	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 57.170 ug/l m

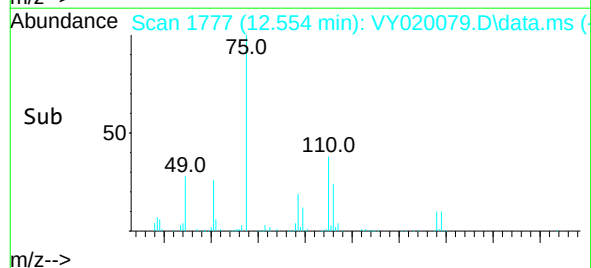
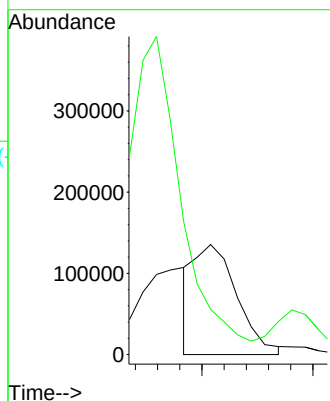
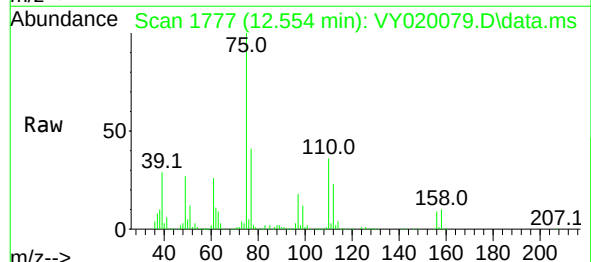
RT: 12.554 min Scan# 1777

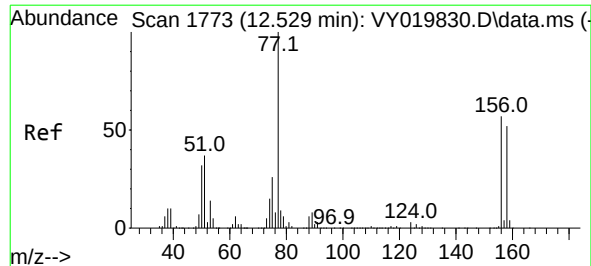
Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	75	Resp:	182495
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 107.408 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:156 Resp: 322208

Ion Ratio Lower Upper

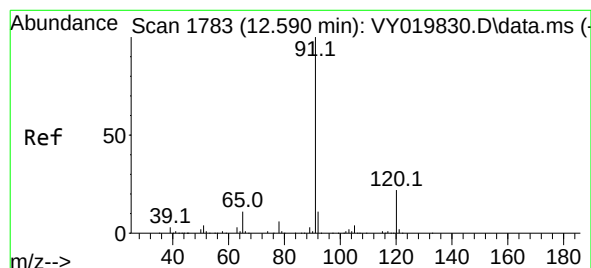
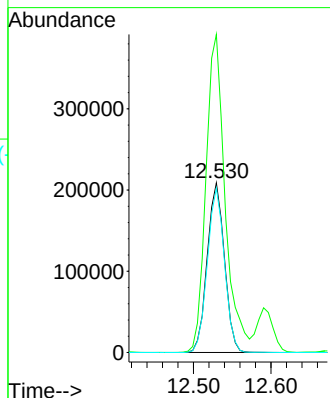
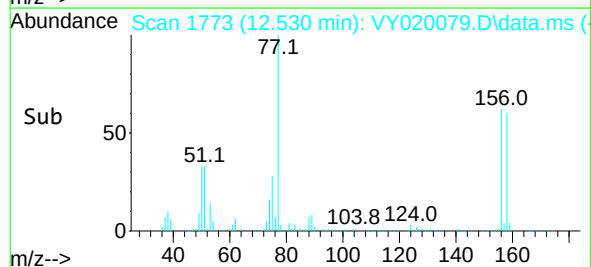
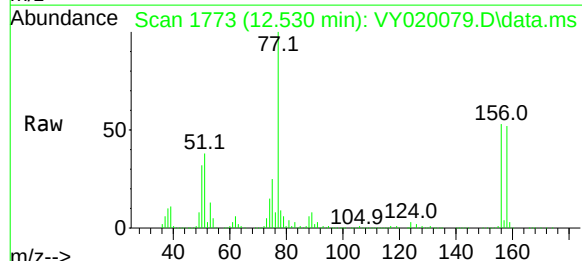
156 100

77 208.6 87.1 261.3

158 96.1 48.6 145.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#78

n-propylbenzene

Concen: 104.334 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY020079.D

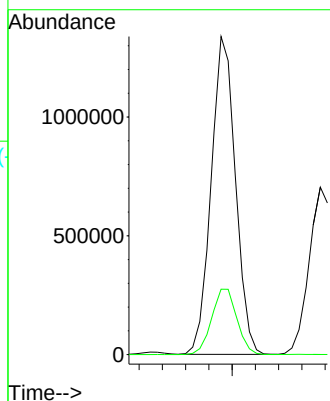
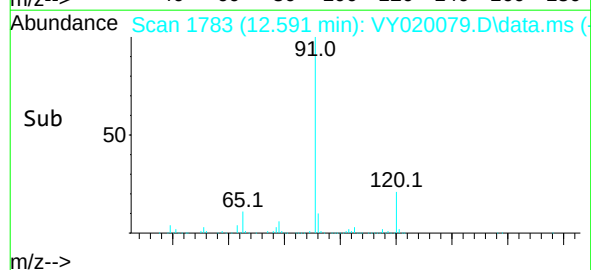
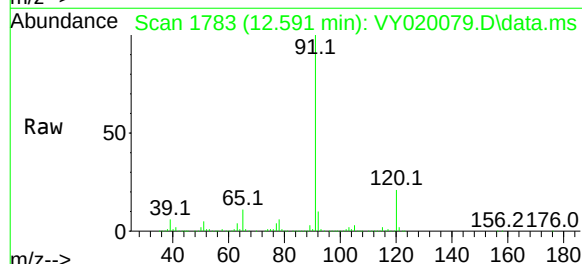
Acq: 30 Oct 2024 14:29

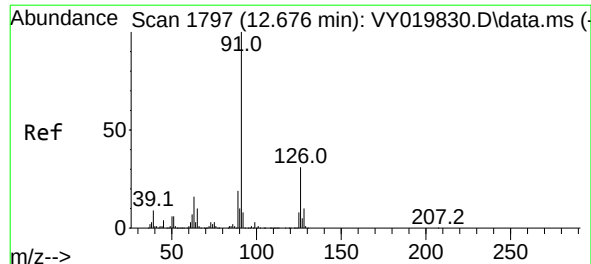
Tgt Ion: 91 Resp: 1942949

Ion Ratio Lower Upper

91 100

120 21.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 104.371 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1075903

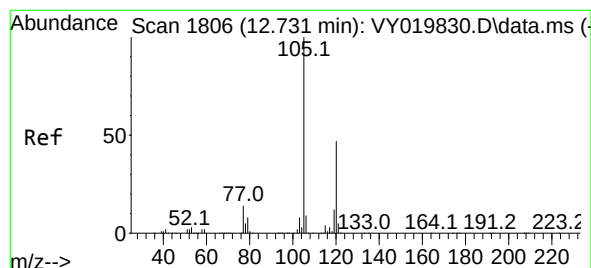
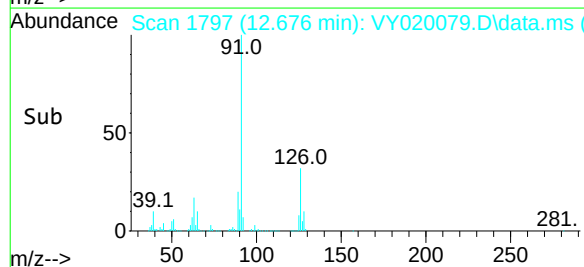
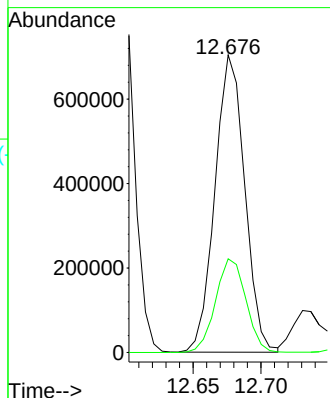
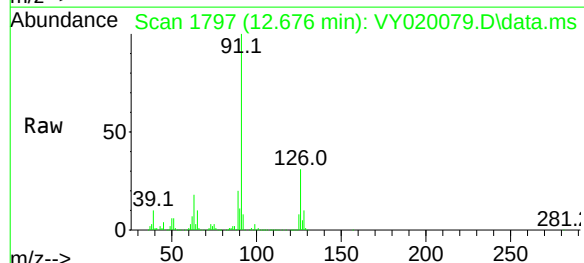
Ion Ratio Lower Upper

91 100

126 32.1 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#80

1,3,5-Trimethylbenzene

Concen: 106.185 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY020079.D

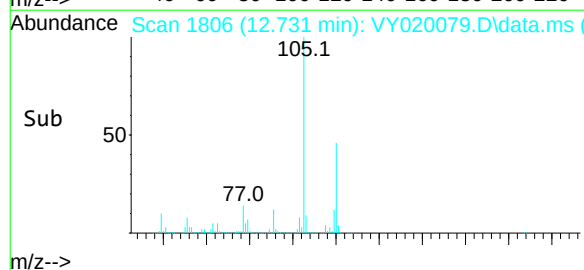
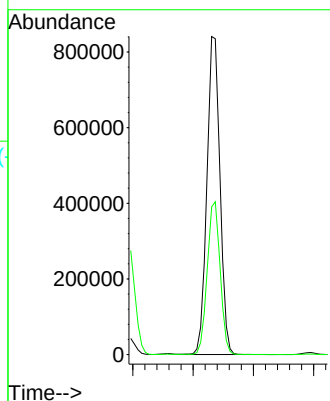
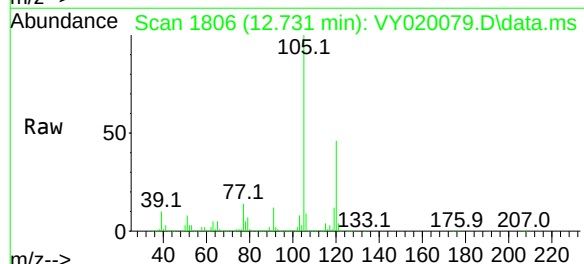
Acq: 30 Oct 2024 14:29

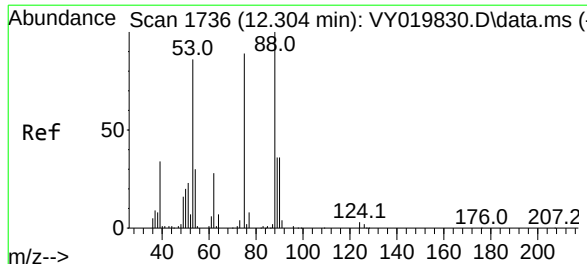
Tgt Ion:105 Resp: 1265627

Ion Ratio Lower Upper

105 100

120 47.7 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 115.411 ug/l

RT: 12.304 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

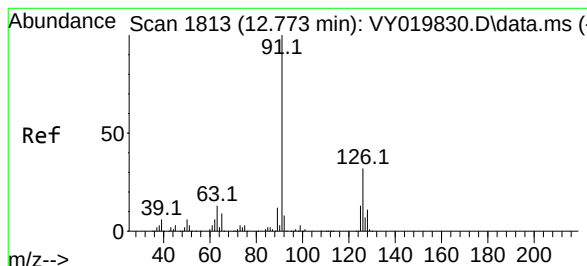
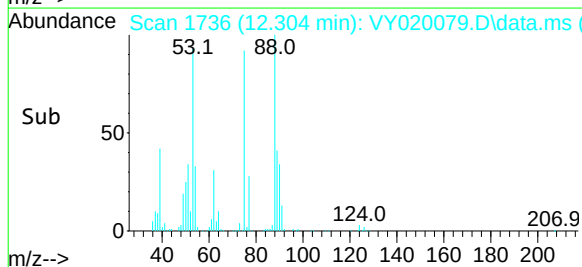
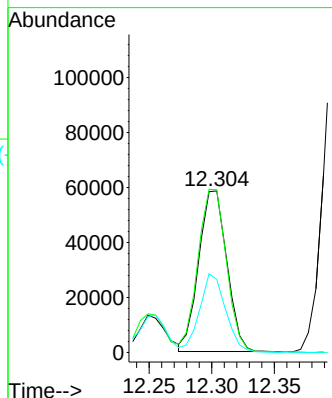
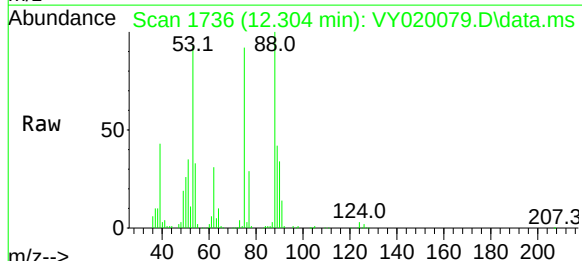
ClientSampleId :

VSTDIC100

Tgt Ion:	75	Resp:	91153
Ion	Ratio	Lower	Upper
75	100		
53	103.5	66.8	100.2
89	45.7	35.8	53.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#82

4-Chlorotoluene

Concen: 106.072 ug/l

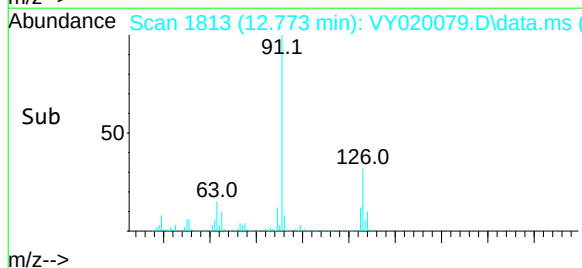
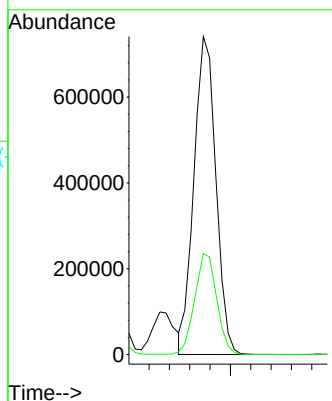
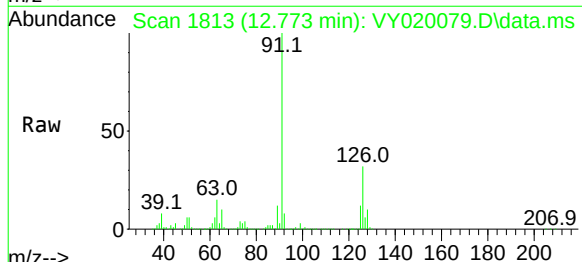
RT: 12.773 min Scan# 1813

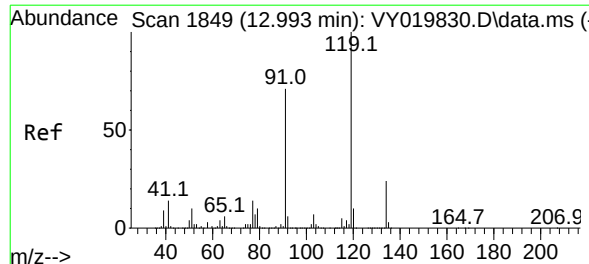
Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	91	Resp:	1110438
Ion	Ratio	Lower	Upper
91	100		
126	32.1	17.6	52.9





#83

tert-Butylbenzene

Concen: 105.843 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:119 Resp: 1104057

Ion Ratio Lower Upper

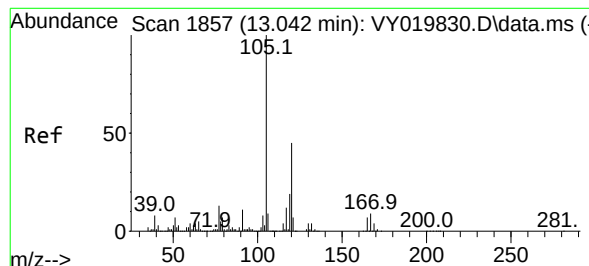
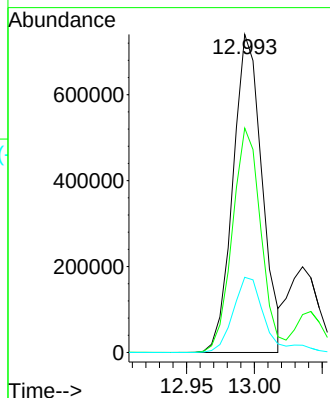
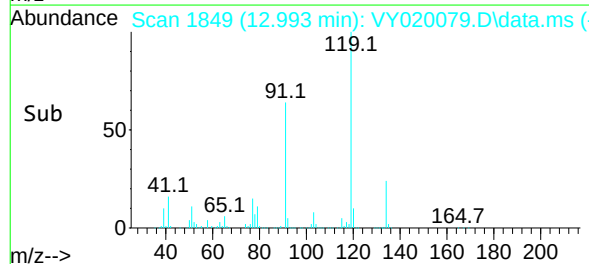
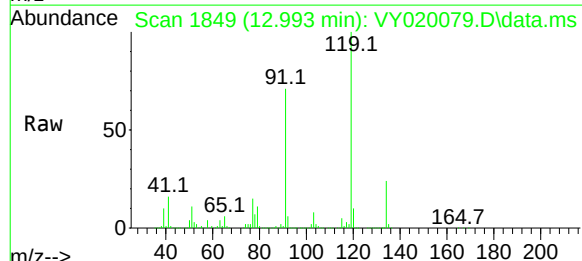
119 100

91 69.6 31.3 93.8

134 25.9 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#84

1,2,4-Trimethylbenzene

Concen: 109.156 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020079.D

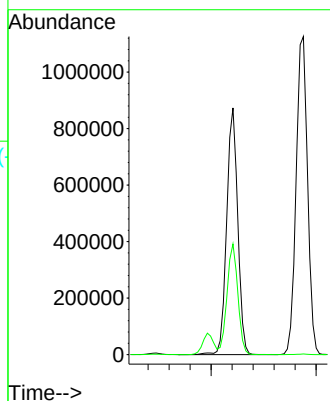
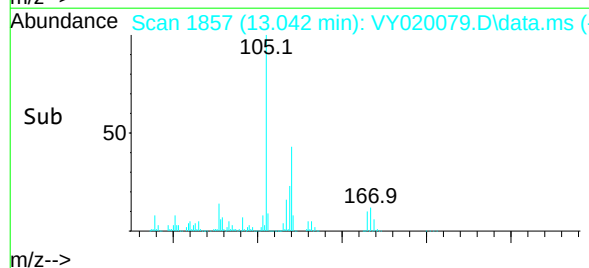
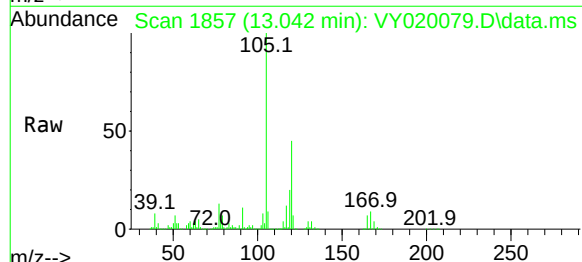
Acq: 30 Oct 2024 14:29

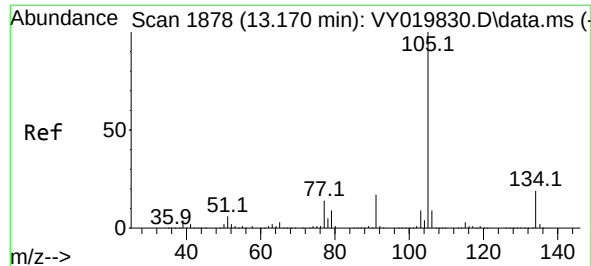
Tgt Ion:105 Resp: 1276373

Ion Ratio Lower Upper

105 100

120 44.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 105.784 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 1697744

Ion Ratio Lower Upper

105 100

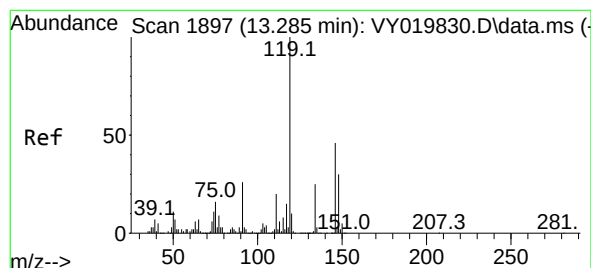
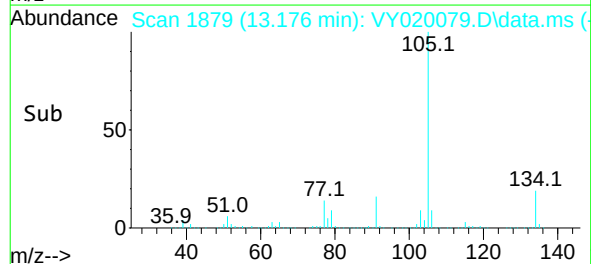
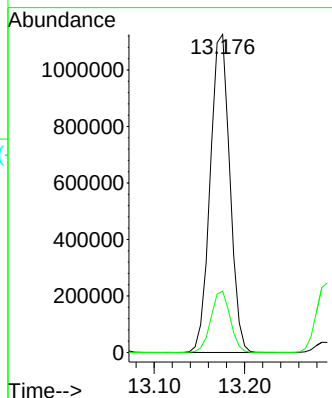
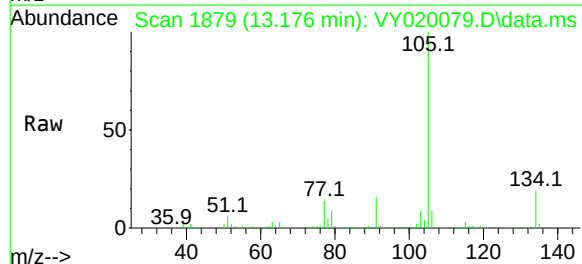
134 19.0 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#86

p-Isopropyltoluene

Concen: 108.729 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

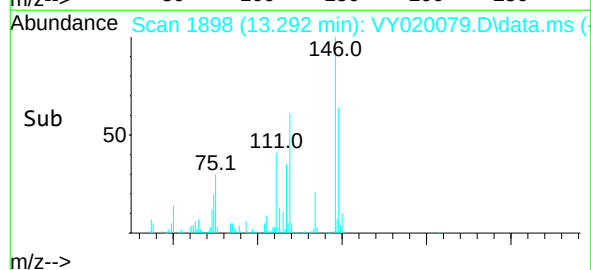
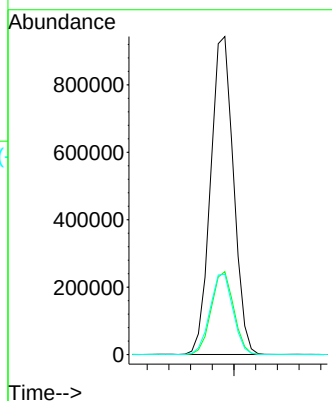
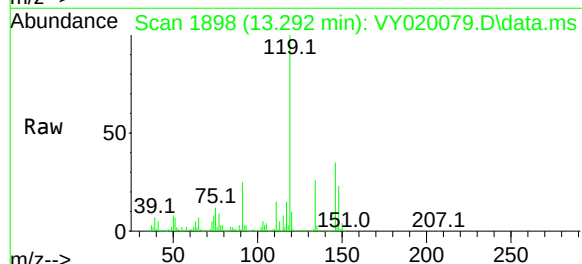
Tgt Ion:119 Resp: 1382922

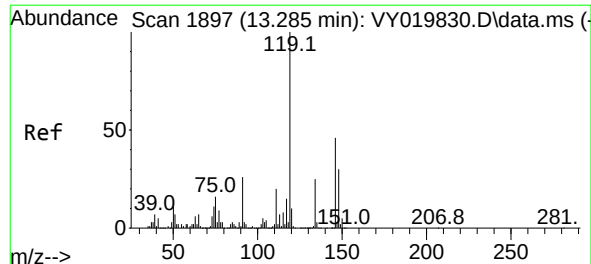
Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.3

91 25.4 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 106.960 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

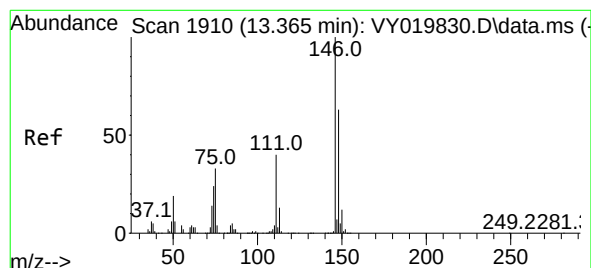
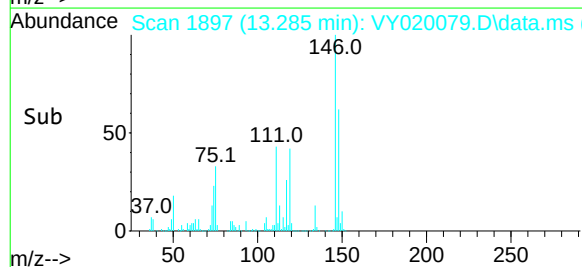
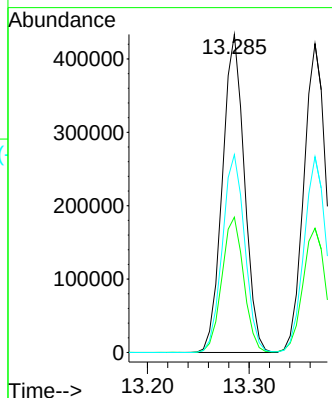
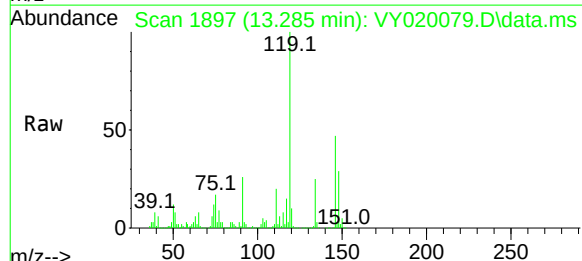
ClientSampleId :

VSTDICC100

Tgt Ion:	146	Resp:	651160
Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.0	57.0
148	63.2	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

Concen: 103.744 ug/l

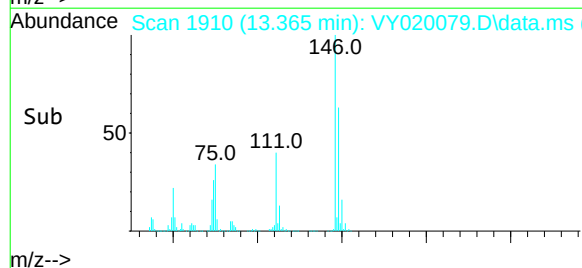
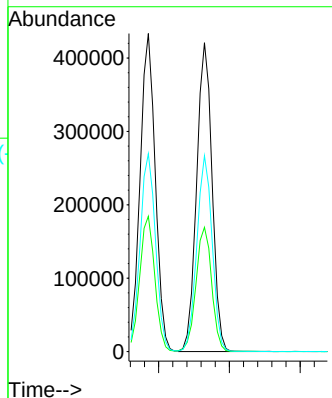
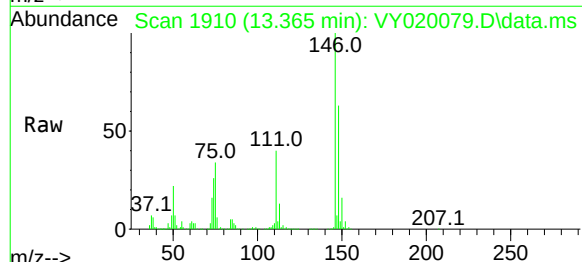
RT: 13.365 min Scan# 1910

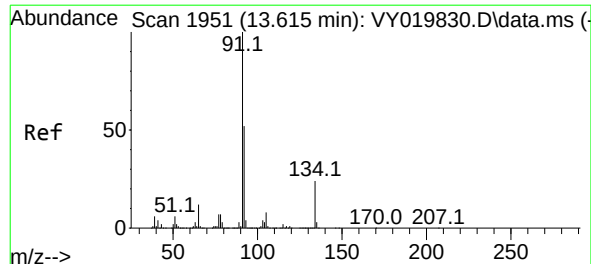
Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	146	Resp:	637014
Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.4	55.4
148	63.2	32.4	97.2





#89

n-Butylbenzene

Concen: 110.036 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1400648

Ion Ratio Lower Upper

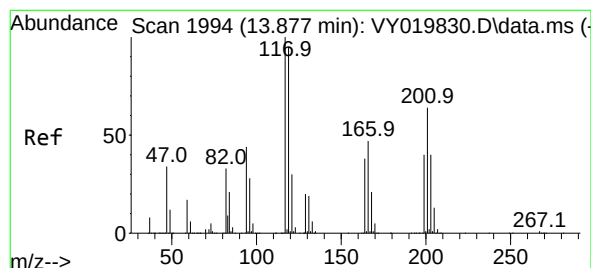
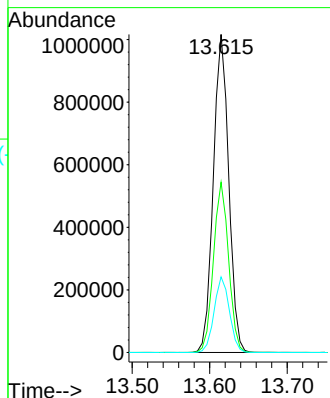
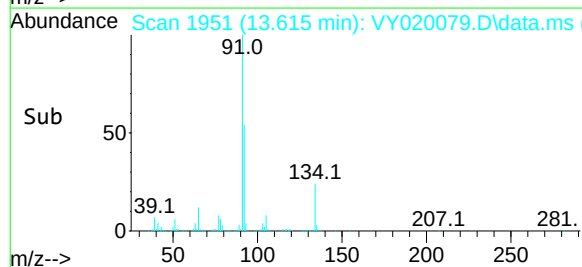
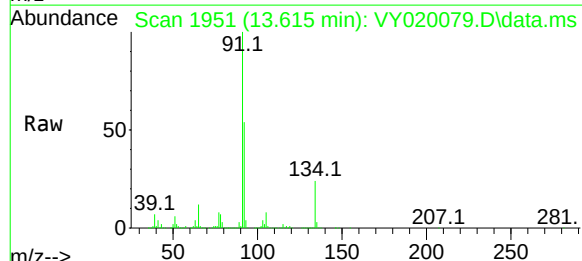
91 100

92 52.7 26.6 79.7

134 23.6 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#90

Hexachloroethane

Concen: 107.795 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY020079.D

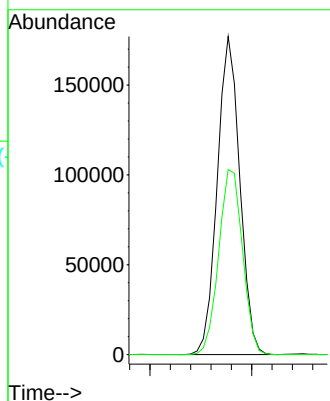
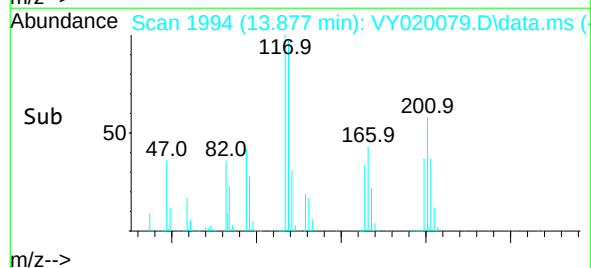
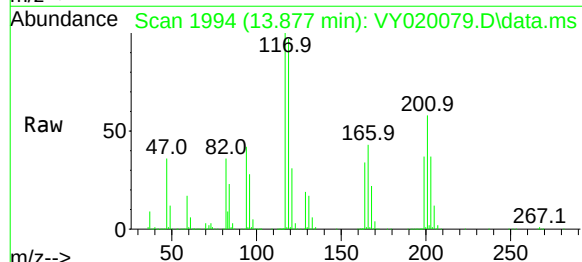
Acq: 30 Oct 2024 14:29

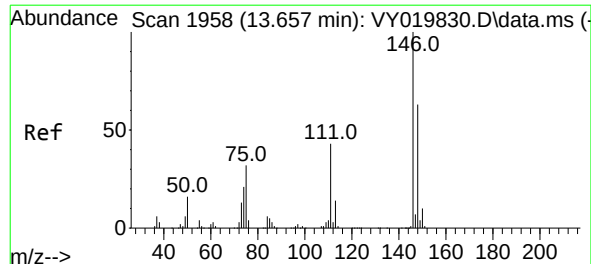
Tgt Ion:117 Resp: 272543

Ion Ratio Lower Upper

117 100

201 61.5 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 106.942 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 566909

Ion Ratio Lower Upper

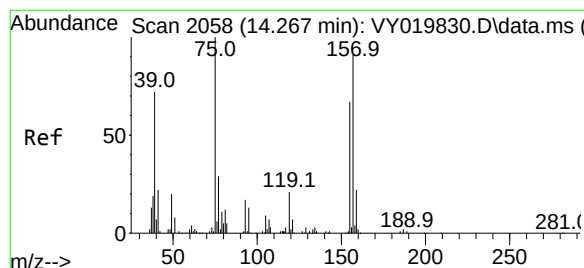
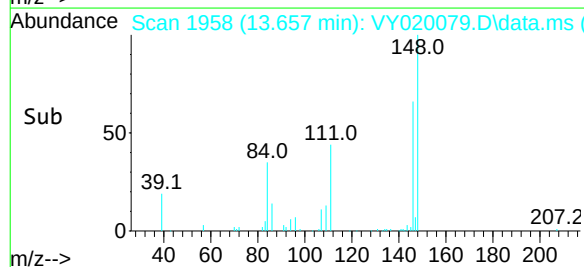
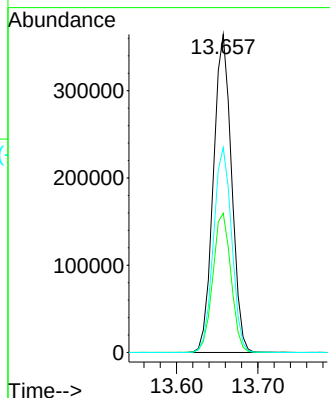
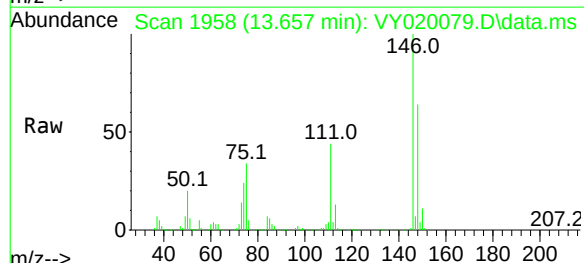
146 100

111 43.7 19.9 59.7

148 64.4 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#92

1,2-Dibromo-3-Chloropropane

Concen: 111.936 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

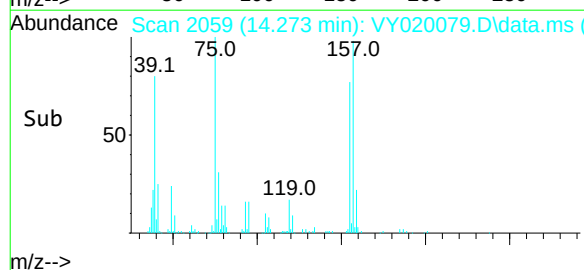
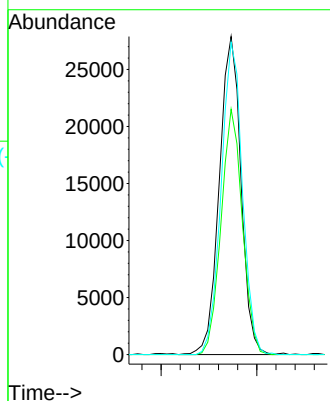
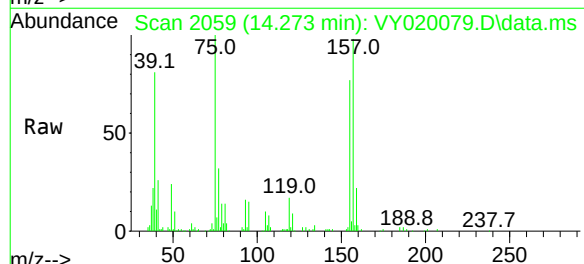
Tgt Ion: 75 Resp: 43753

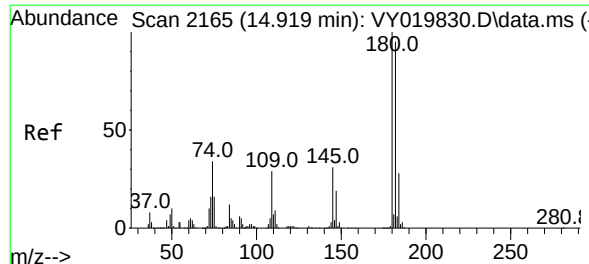
Ion Ratio Lower Upper

75 100

155 75.5 48.6 145.8

157 96.2 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 121.925 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

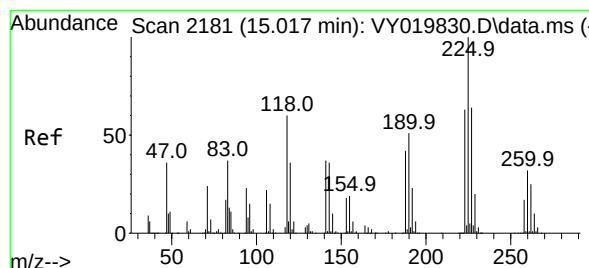
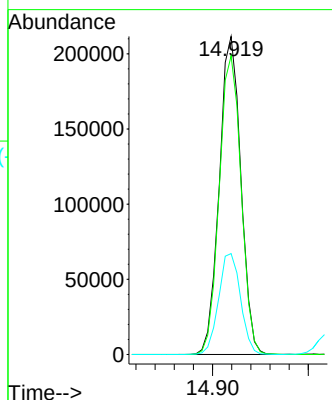
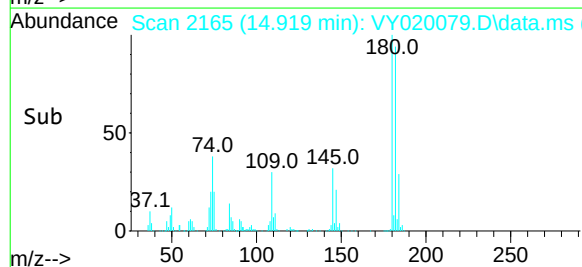
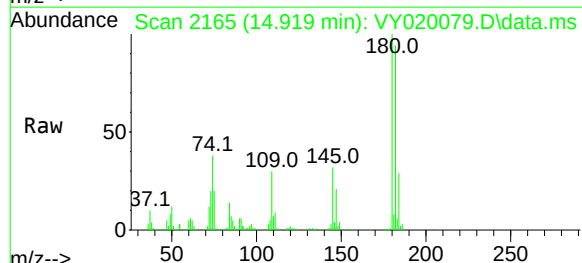
ClientSampleId :

VSTDIC100

Tgt Ion:	180	Resp:	330713
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.8
145	32.4	14.2	42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 113.279 ug/l

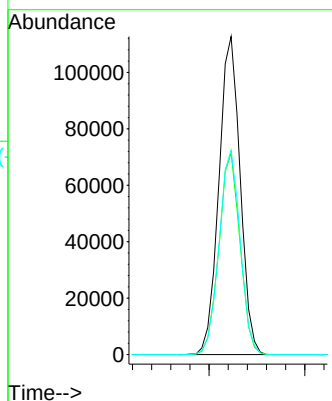
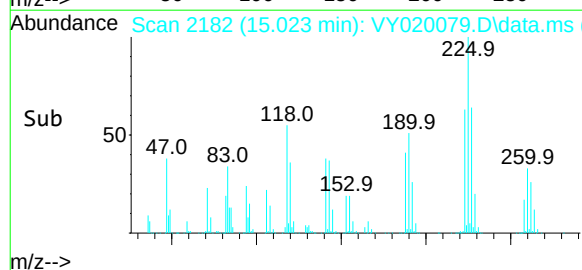
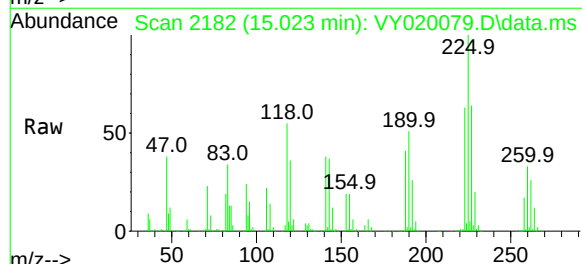
RT: 15.023 min Scan# 2182

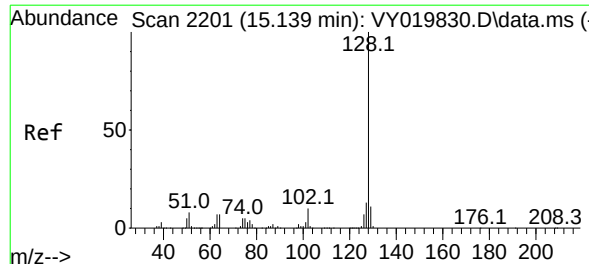
Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	225	Resp:	173634
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.4	91.2
227	64.0	31.9	95.9





#95

Naphthalene

Concen: 138.827 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Instrument :

MSVOA_Y

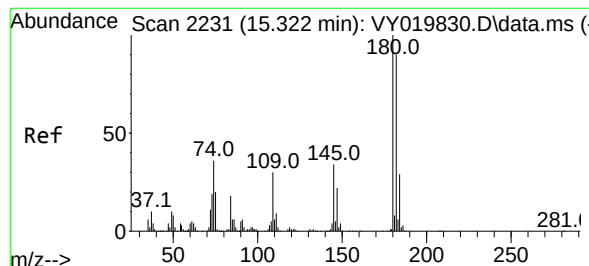
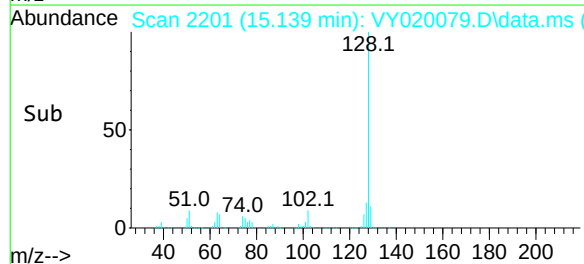
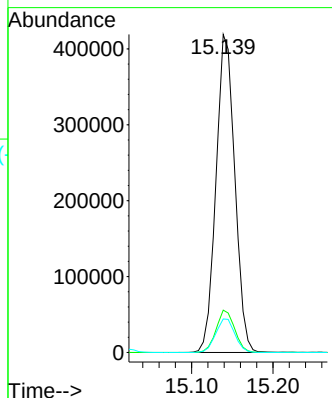
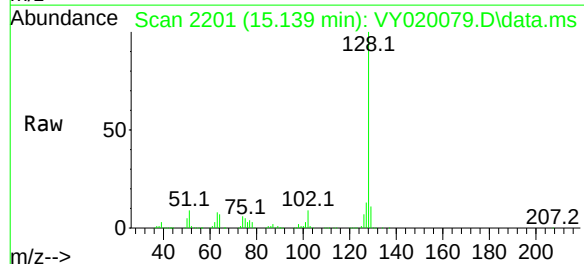
ClientSampleId :

VSTDIC100

Tgt Ion:	128	Resp:	672775
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#96

1,2,3-Trichlorobenzene

Concen: 122.206 ug/l

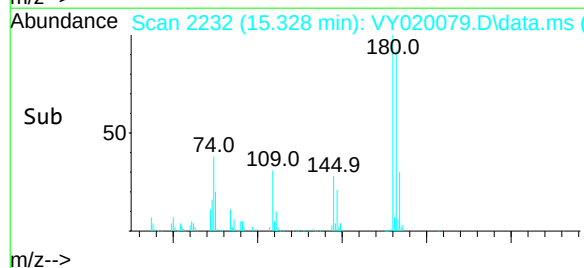
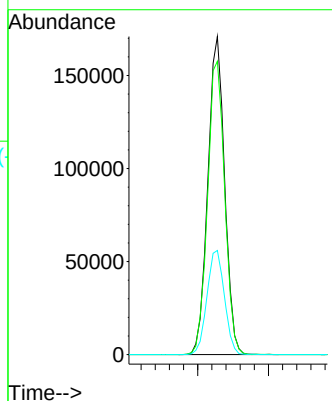
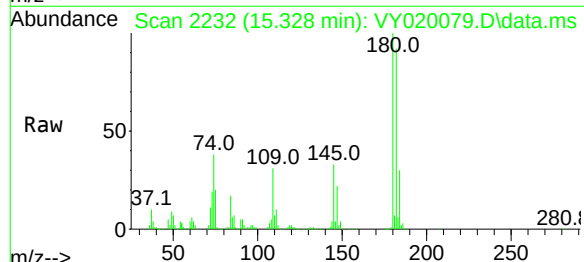
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020079.D

Acq: 30 Oct 2024 14:29

Tgt Ion:	180	Resp:	281747
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.9
145	34.1	15.4	46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020080.D
 Acq On : 30 Oct 2024 14:52
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 30 15:05:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 14:00:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
 Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	264324	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	464829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189466	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	513131	159.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	319.620%#
35) Dibromofluoromethane	7.634	113	473607	166.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	332.040%#
50) Toluene-d8	10.103	98	1901637	168.741	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	337.480%#
62) 4-Bromofluorobenzene	12.402	95	632951	175.829	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	351.660%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	367153	149.502	ug/l	98
3) Chloromethane	2.068	50	577439	139.123	ug/l	99
4) Vinyl Chloride	2.202	62	633528	143.945	ug/l	98
5) Bromomethane	2.586	94	418638	142.061	ug/l	99
6) Chloroethane	2.732	64	405582	142.820	ug/l	98
7) Trichlorofluoromethane	3.056	101	804100	151.851	ug/l	96
8) Diethyl Ether	3.452	74	236804	164.824	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.818	101	447736	150.052	ug/l	91
10) Methyl Iodide	4.001	142	464092	166.878	ug/l	# 90
11) Tert butyl alcohol	4.866	59	154213	615.794	ug/l	# 82
12) 1,1-Dichloroethene	3.787	96	437783	154.648	ug/l	# 77
13) Acrolein	3.653	56	222317	766.398	ug/l	99
14) Allyl chloride	4.385	41	815140	162.209	ug/l	# 90
15) Acrylonitrile	5.055	53	532102	817.722	ug/l	99
16) Acetone	3.866	43	615168	845.930	ug/l	# 85
17) Carbon Disulfide	4.104	76	1456308	155.090	ug/l	100
18) Methyl Acetate	4.385	43	270939	153.074	ug/l	# 88
19) Methyl tert-butyl Ether	5.116	73	1166714	170.073	ug/l	96
20) Methylene Chloride	4.610	84	473057	131.706	ug/l	# 81
21) trans-1,2-Dichloroethene	5.110	96	498356	156.706	ug/l	# 83
22) Diisopropyl ether	6.019	45	1712860	166.319	ug/l	91
23) Vinyl Acetate	5.958	43	4953304	871.948	ug/l	# 91
24) 1,1-Dichloroethane	5.915	63	951564	155.708	ug/l	96
25) 2-Butanone	6.890	43	817694	819.771	ug/l	# 84
26) 2,2-Dichloropropane	6.884	77	795976	156.450	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	583766	162.347	ug/l	83
28) Bromochloromethane	7.244	49	449704	157.093	ug/l	# 73
29) Tetrahydrofuran	7.262	42	474645	828.165	ug/l	# 82
30) Chloroform	7.421	83	953842	158.077	ug/l	100
31) Cyclohexane	7.701	56	862973	141.540	ug/l	86
32) 1,1,1-Trichloroethane	7.616	97	847338	161.468	ug/l	96
36) 1,1-Dichloropropene	7.835	75	711249	159.013	ug/l	94
37) Ethyl Acetate	6.982	43	333510	157.506	ug/l	# 94
38) Carbon Tetrachloride	7.817	117	731039	163.871	ug/l	99
39) Methylcyclohexane	9.109	83	921465	164.246	ug/l	# 88
40) Benzene	8.079	78	2088865	160.528	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
 Data File : VY020080.D
 Acq On : 30 Oct 2024 14:52
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 30 14:00:05 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	176781	124.237	ug/l	88
42) 1,2-Dichloroethane	8.158	62	582749	163.063	ug/l	94
43) Isopropyl Acetate	8.195	43	679605	171.562	ug/l #	78
44) Trichloroethene	8.866	130	482450	159.766	ug/l	88
45) 1,2-Dichloropropane	9.140	63	508168	164.358	ug/l	96
46) Dibromomethane	9.231	93	273750	163.933	ug/l	89
47) Bromodichloromethane	9.420	83	727941	167.201	ug/l	98
48) Methyl methacrylate	9.219	41	328446	183.056	ug/l #	81
49) 1,4-Dioxane	9.225	88	58592	3527.312	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	1759800	869.690	ug/l	90
52) Toluene	10.170	92	1328982	168.421	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	678432	181.736	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	798700	177.804	ug/l #	85
55) 1,1,2-Trichloroethane	10.573	97	345498	168.601	ug/l	96
56) Ethyl methacrylate	10.438	69	541087	193.260	ug/l #	75
57) 1,3-Dichloropropane	10.713	76	626765	165.943	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	1258516	881.311	ug/l	92
59) 2-Hexanone	10.755	43	1268082	883.076	ug/l	88
60) Dibromochloromethane	10.908	129	455170	176.635	ug/l	100
61) 1,2-Dibromoethane	11.012	107	317856	165.371	ug/l	99
64) Tetrachloroethene	10.646	164	422849	159.062	ug/l	92
65) Chlorobenzene	11.438	112	1384830	162.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	456266	169.965	ug/l	99
67) Ethyl Benzene	11.518	91	2617908	165.261	ug/l	98
68) m/p-Xylenes	11.627	106	1926635	333.611	ug/l	91
69) o-Xylene	11.950	106	917838	168.666	ug/l	91
70) Styrene	11.969	104	1569103	177.165	ug/l	96
71) Bromoform	12.127	173	240850	180.255	ug/l #	97
73) Isopropylbenzene	12.249	105	2439942	165.379	ug/l	98
74) N-amyl acetate	12.066	43	665656	191.782	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	408694	157.141	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	271515m	85.825	ug/l	
77) Bromobenzene	12.530	156	492090	165.517	ug/l	82
78) n-propylbenzene	12.591	91	2991377	162.082	ug/l	97
79) 2-Chlorotoluene	12.676	91	1681376	164.578	ug/l	93
80) 1,3,5-Trimethylbenzene	12.731	105	1967127	166.529	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	137971	176.265	ug/l #	87
82) 4-Chlorotoluene	12.773	91	1719250	165.709	ug/l	94
83) tert-Butylbenzene	12.993	119	1718909	166.274	ug/l	93
84) 1,2,4-Trimethylbenzene	13.042	105	1981367	170.976	ug/l	96
85) sec-Butylbenzene	13.170	105	2613388	164.305	ug/l	97
86) p-Isopropyltoluene	13.285	119	2161709	171.493	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	1008488	167.149	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	975162	160.247	ug/l	96
89) n-Butylbenzene	13.615	91	2158102	171.071	ug/l	98
90) Hexachloroethane	13.877	117	421230	168.105	ug/l	85
91) 1,2-Dichlorobenzene	13.657	146	869621	165.525	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	63821	164.750	ug/l	76
93) 1,2,4-Trichlorobenzene	14.919	180	508720	189.243	ug/l	97
94) Hexachlorobutadiene	15.023	225	259405	170.763	ug/l	98
95) Naphthalene	15.139	128	1003119	208.860	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	428513	187.541	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

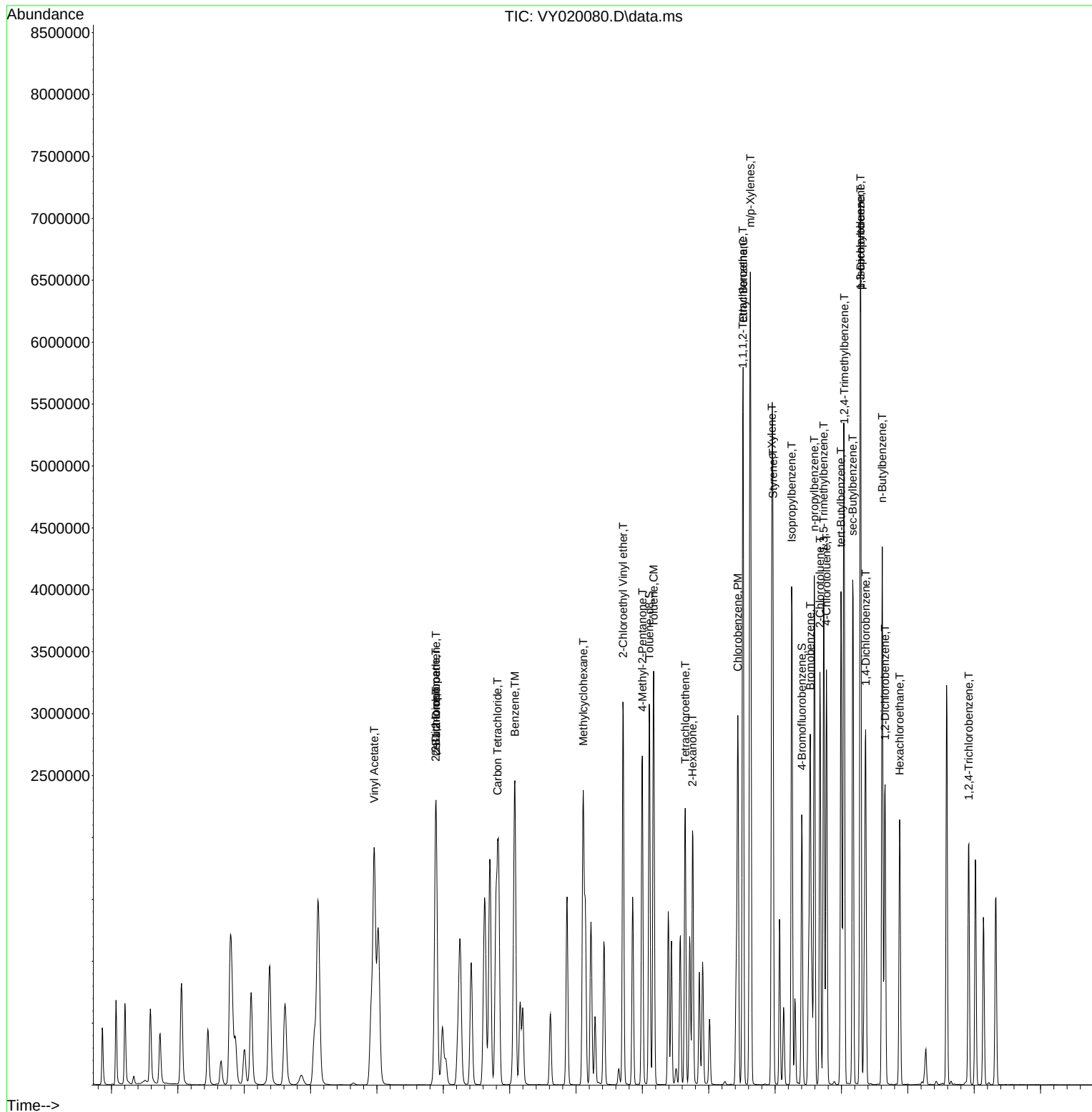
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

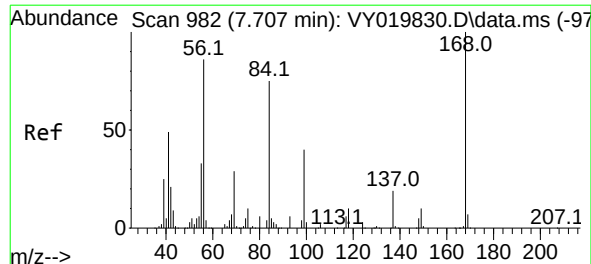
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 98

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:168 Resp: 264324

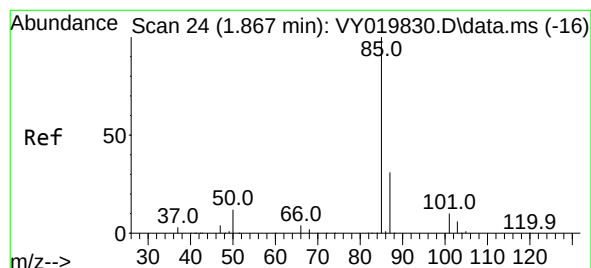
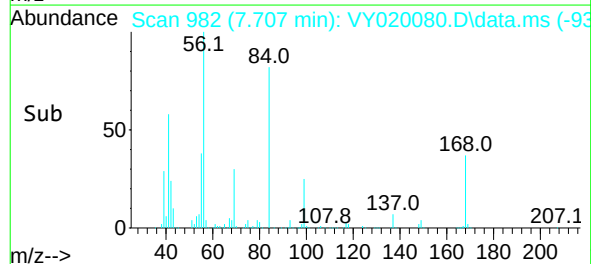
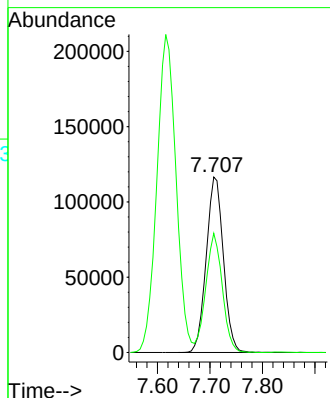
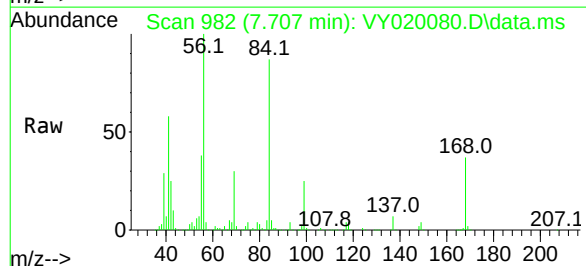
Ion Ratio Lower Upper

168 100

99 67.7 39.1 58.7#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#2

Dichlorodifluoromethane

Concen: 149.502 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.001 min

Lab File: VY020080.D

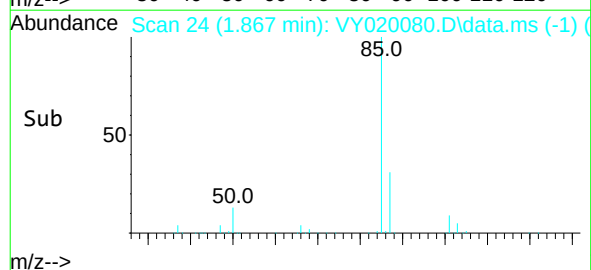
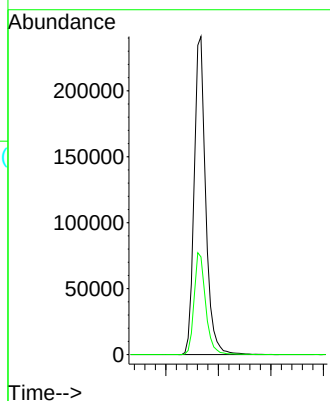
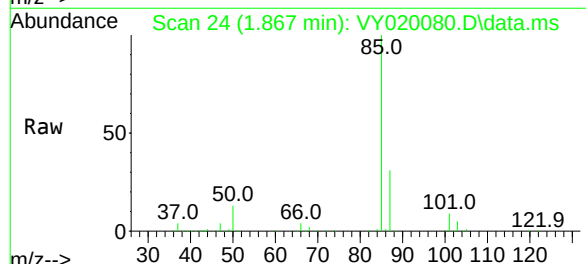
Acq: 30 Oct 2024 14:52

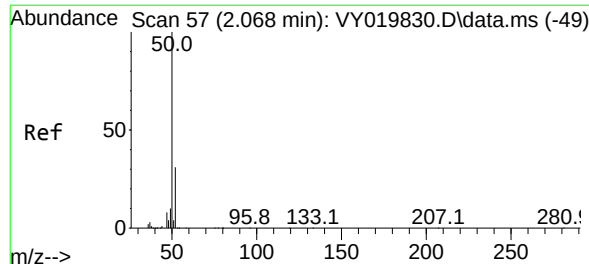
Tgt Ion: 85 Resp: 367153

Ion Ratio Lower Upper

85 100

87 30.7 16.0 48.0





#3

Chloromethane

Concen: 139.123 ug/l

RT: 2.068 min Scan# 57

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 577439

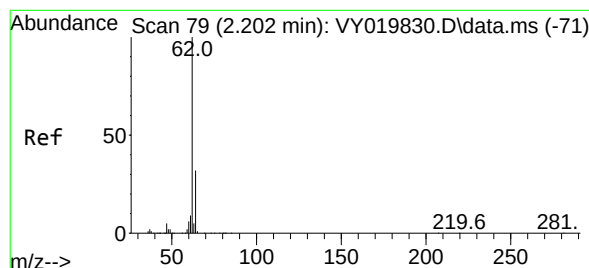
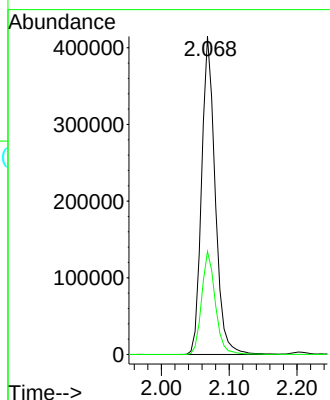
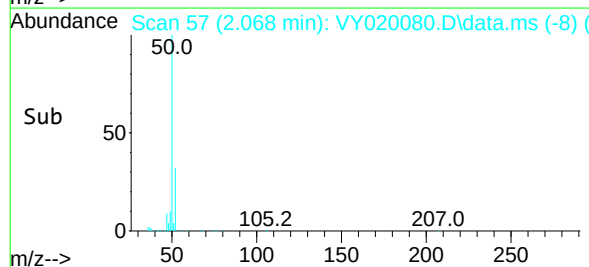
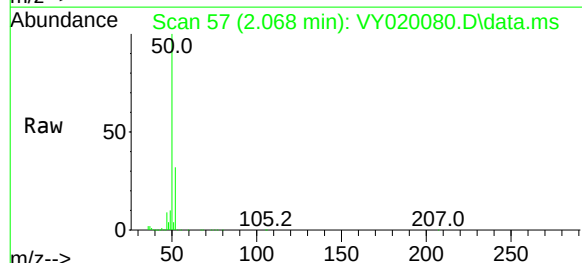
Ion Ratio Lower Upper

50 100

52 32.4 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#4

Vinyl Chloride

Concen: 143.945 ug/l

RT: 2.202 min Scan# 79

Delta R.T. -0.006 min

Lab File: VY020080.D

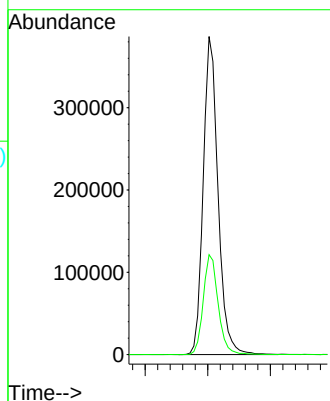
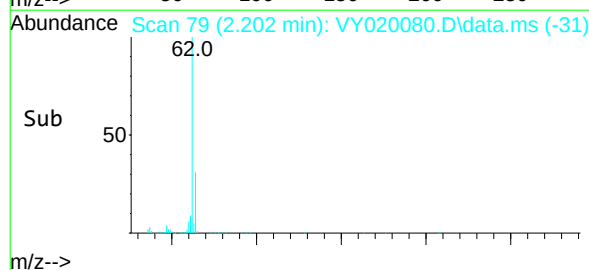
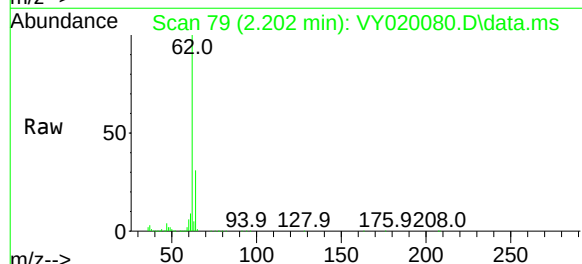
Acq: 30 Oct 2024 14:52

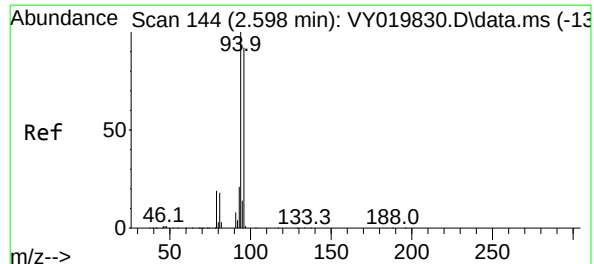
Tgt Ion: 62 Resp: 633528

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 142.061 ug/l

RT: 2.586 min Scan# 144

Delta R.T. -0.012 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 418638

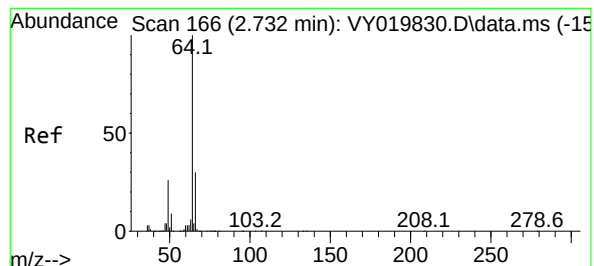
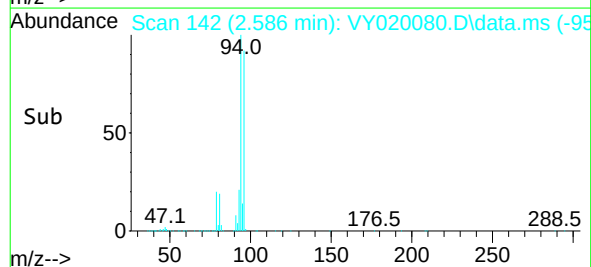
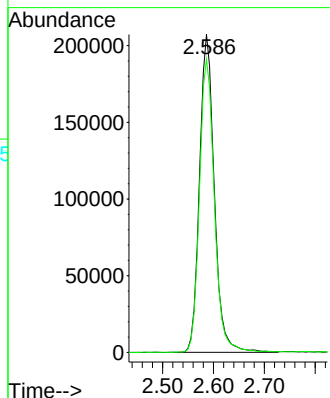
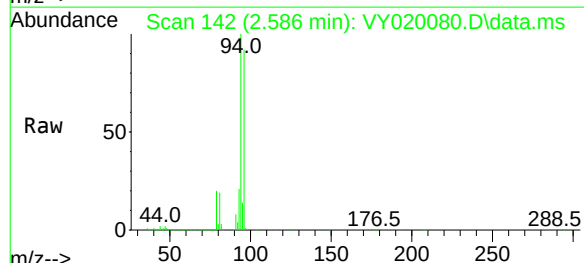
Ion Ratio Lower Upper

94 100

96 92.1 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#6

Chloroethane

Concen: 142.820 ug/l

RT: 2.732 min Scan# 166

Delta R.T. -0.006 min

Lab File: VY020080.D

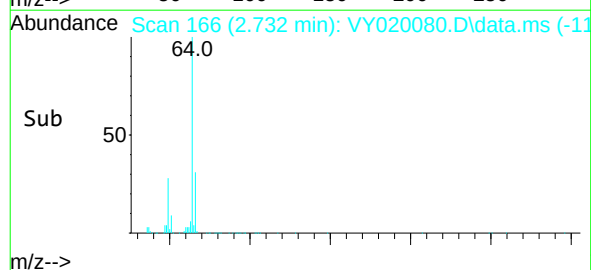
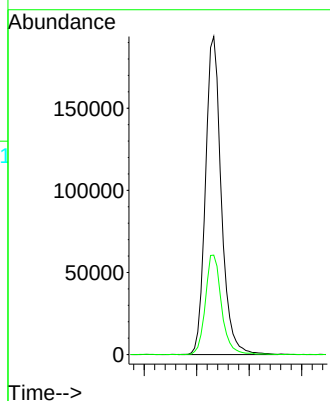
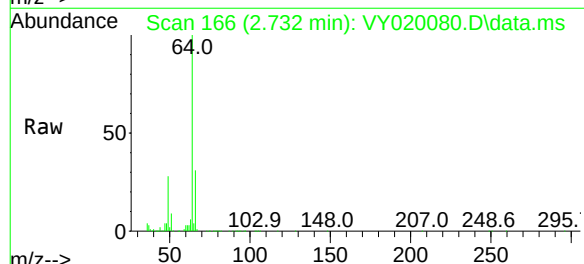
Acq: 30 Oct 2024 14:52

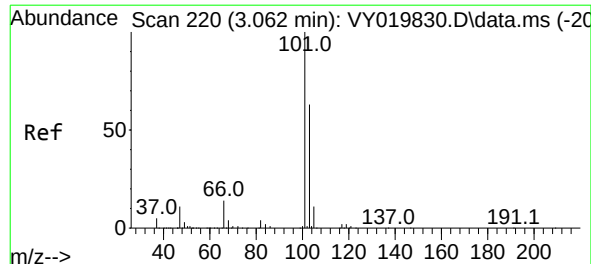
Tgt Ion: 64 Resp: 405582

Ion Ratio Lower Upper

64 100

66 31.2 26.1 39.1





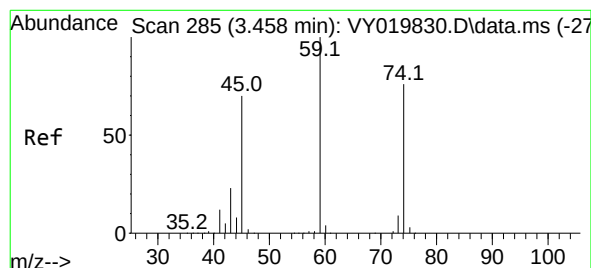
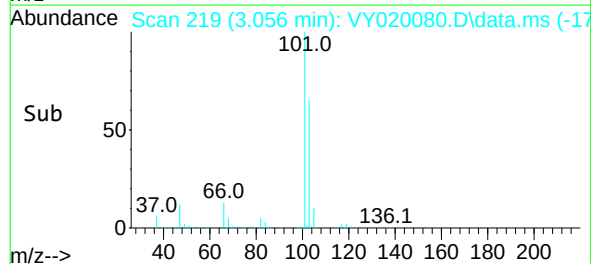
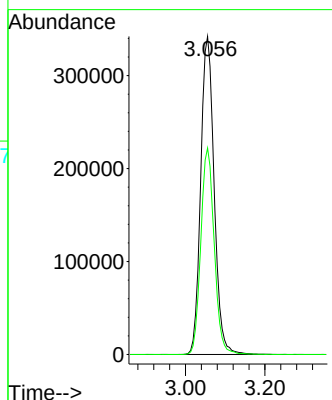
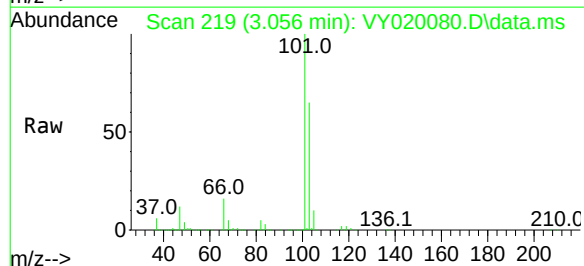
#7
Trichlorofluoromethane
Concen: 151.851 ug/l
RT: 3.056 min Scan# 211
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 101 Resp: 804100
Ion Ratio Lower Upper
101 100
103 64.9 49.3 73.9

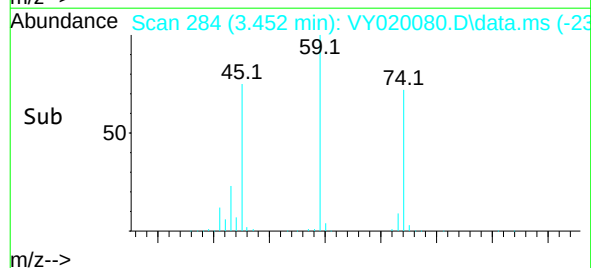
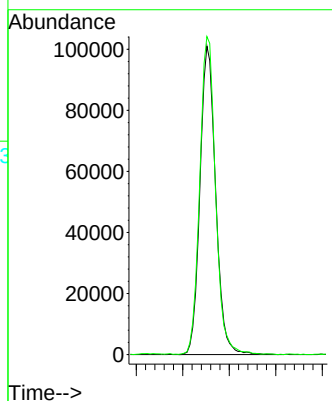
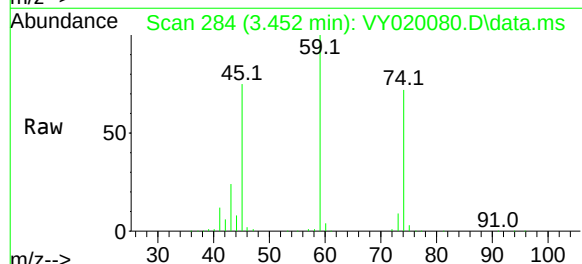
Manual Integrations
APPROVED

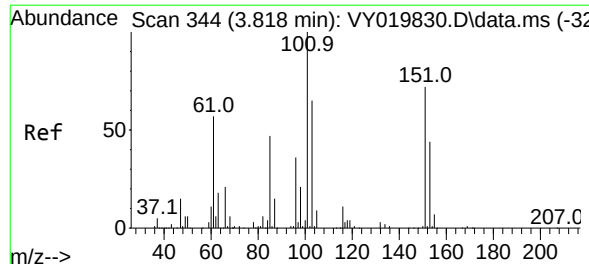
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#8
Diethyl Ether
Concen: 164.824 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Tgt Ion: 74 Resp: 236804
Ion Ratio Lower Upper
74 100
45 103.8 41.3 124.1





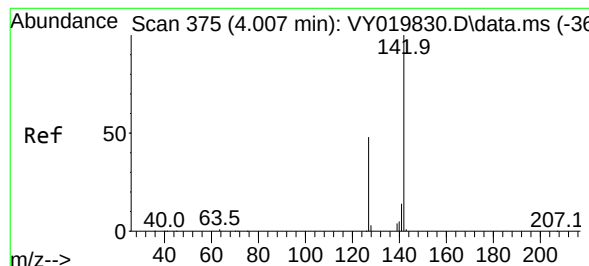
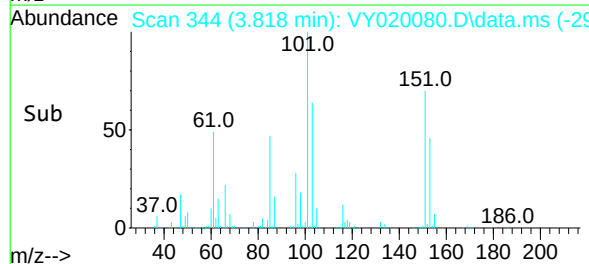
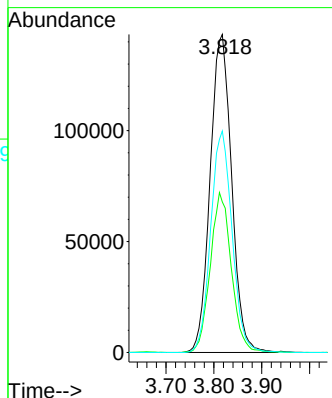
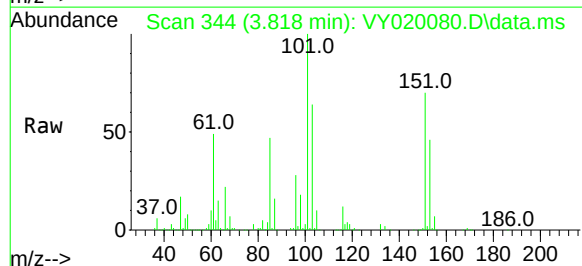
#9
1,1,2-Trichlorotrifluoroethane
Concen: 150.052 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 447736
Ion Ratio Lower Upper
101 100
85 49.2 34.5 51.7
151 69.4 61.7 92.5

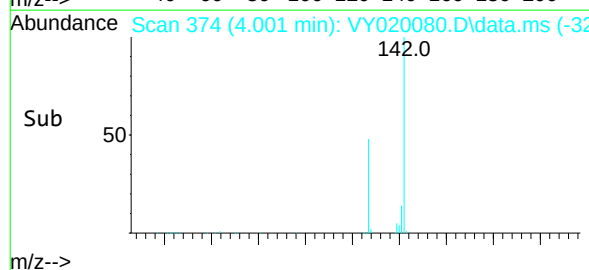
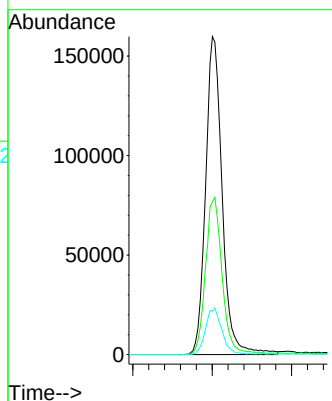
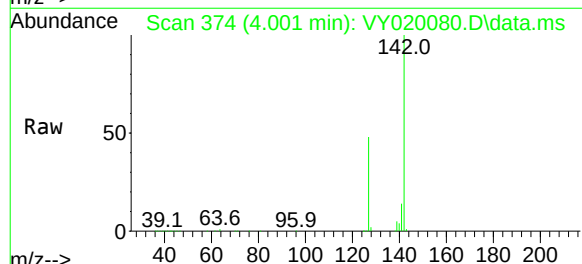
Manual Integrations
APPROVED

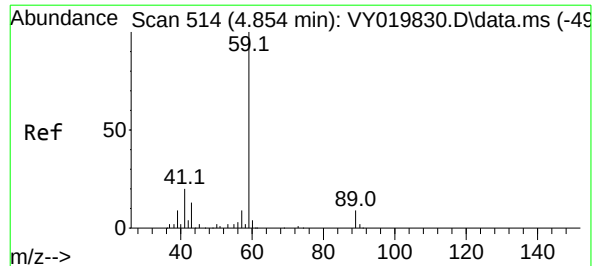
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#10
Methyl Iodide
Concen: 166.878 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Tgt Ion:142 Resp: 464092
Ion Ratio Lower Upper
142 100
127 49.5 32.8 49.2#
141 14.5 11.4 17.2





#11

Tert butyl alcohol

Concen: 615.794 ug/l

RT: 4.866 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 154213

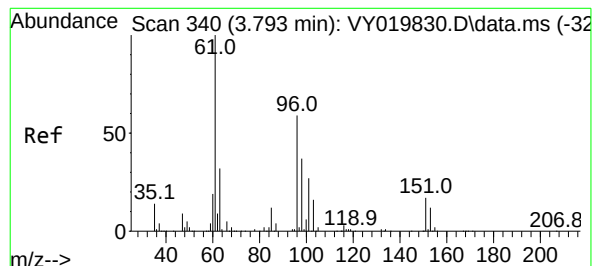
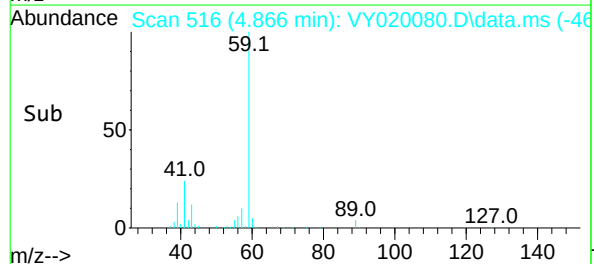
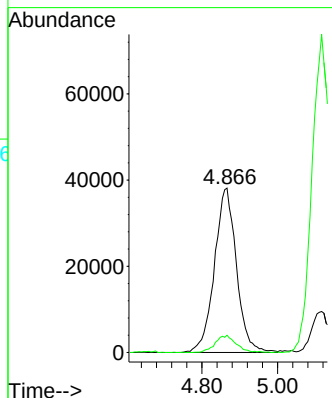
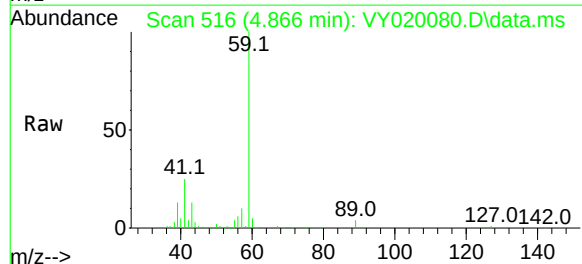
Ion Ratio Lower Upper

59 100

57 9.7 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#12

1,1-Dichloroethene

Concen: 154.648 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

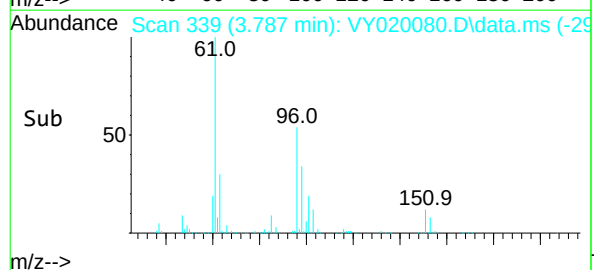
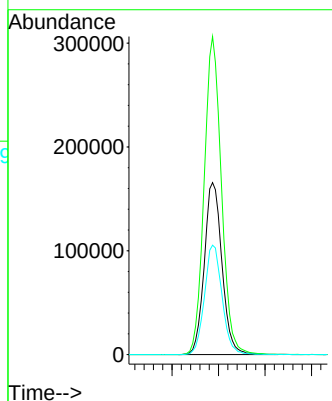
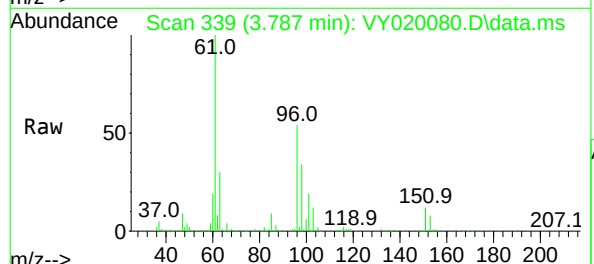
Tgt Ion: 96 Resp: 437783

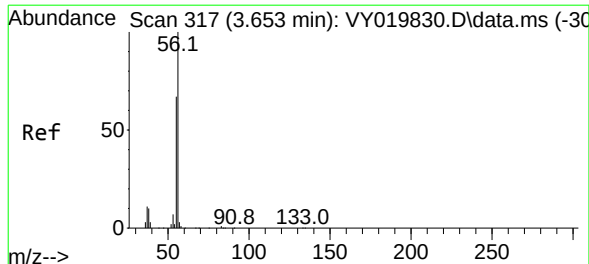
Ion Ratio Lower Upper

96 100

61 185.0 114.6 171.8#

98 63.6 50.8 76.2





#13

Acrolein

Concen: 766.398 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 222317

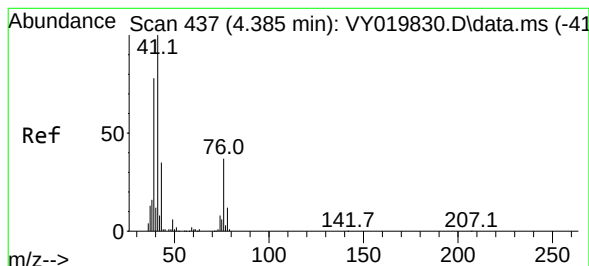
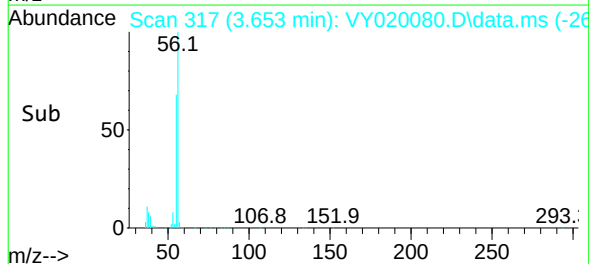
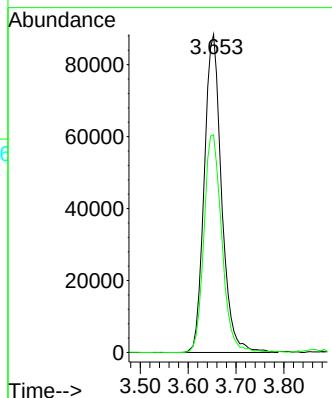
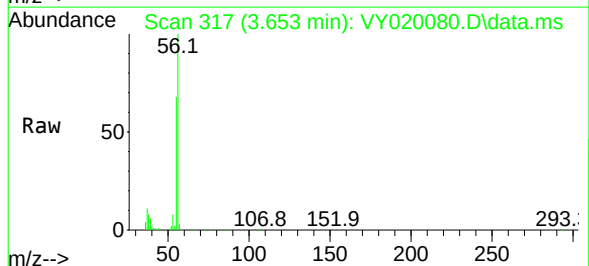
Ion Ratio Lower Upper

56 100

55 70.5 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#14

Allyl chloride

Concen: 162.209 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

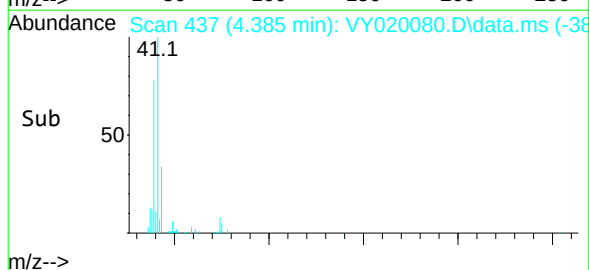
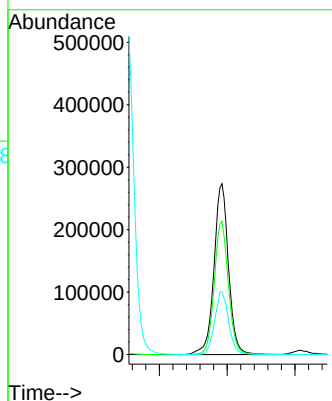
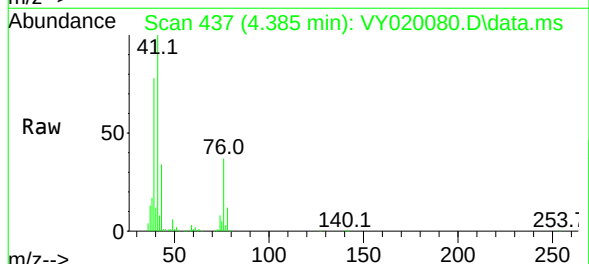
Tgt Ion: 41 Resp: 815140

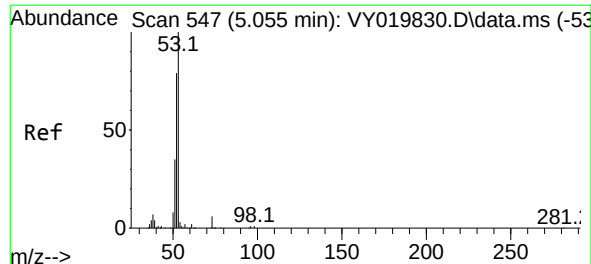
Ion Ratio Lower Upper

41 100

39 76.1 58.3 87.5

76 35.4 39.0 58.6#





#15

Acrylonitrile

Concen: 817.722 ug/l

RT: 5.055 min Scan# 54

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

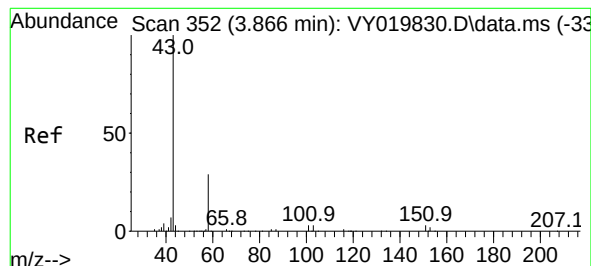
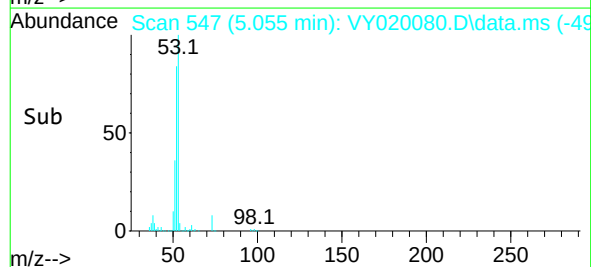
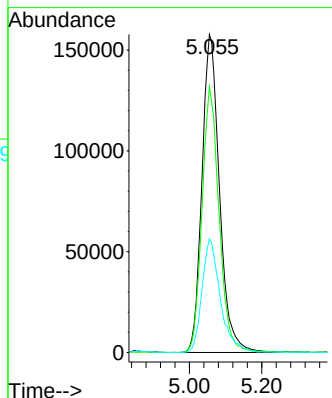
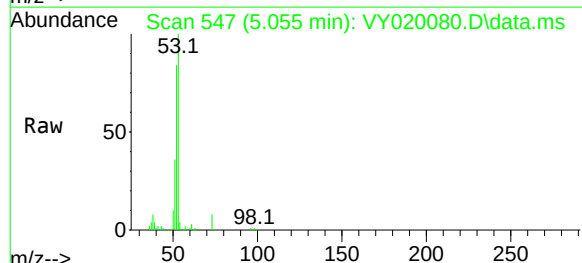
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	532102
Ion	Ratio	Lower	Upper
53	100		
52	81.3	64.7	97.1
51	37.1	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#16

Acetone

Concen: 845.930 ug/l

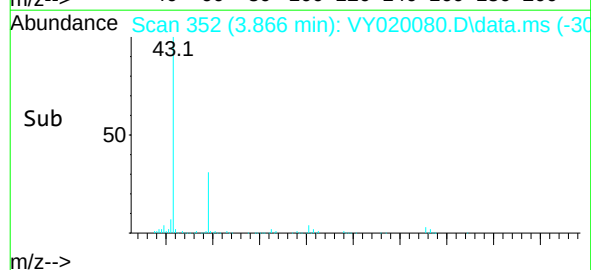
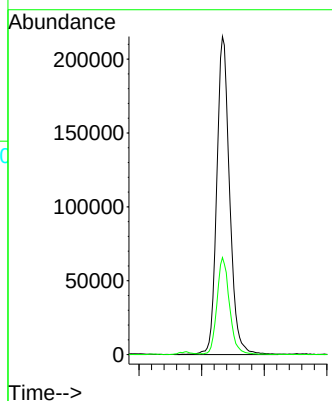
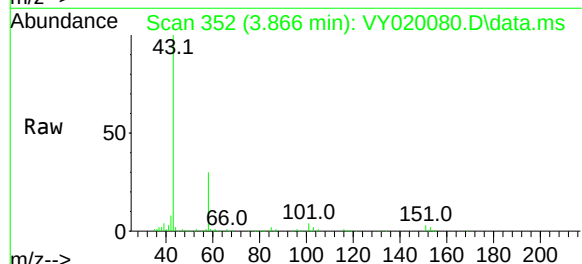
RT: 3.866 min Scan# 352

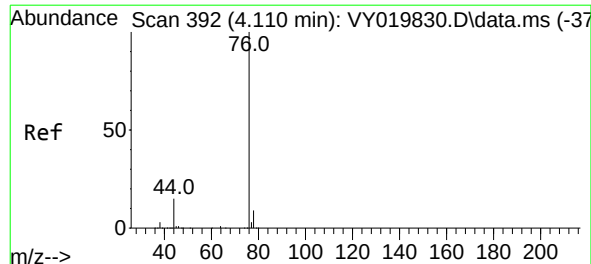
Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion:	43	Resp:	615168
Ion	Ratio	Lower	Upper
43	100		
58	30.4	31.7	47.5#





#17

Carbon Disulfide

Concen: 155.090 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 1456308

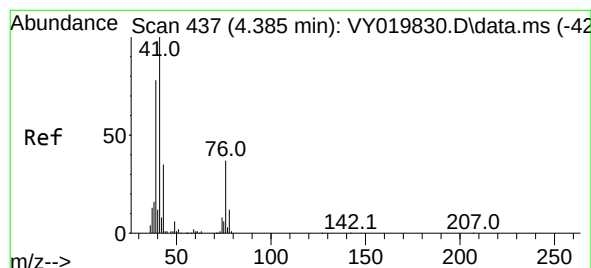
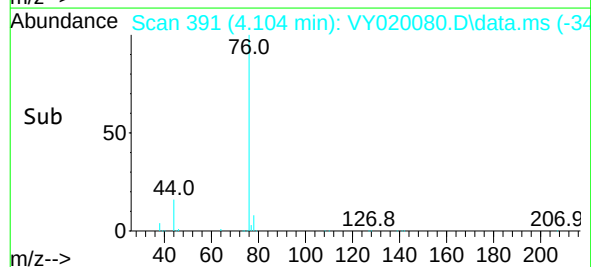
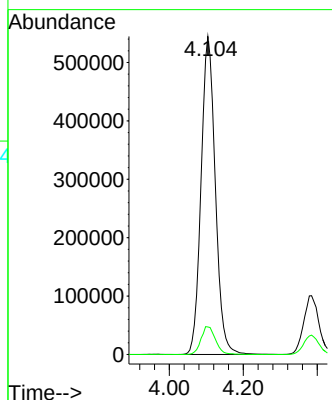
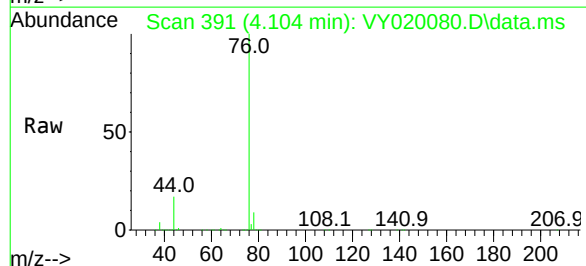
Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#18

Methyl Acetate

Concen: 153.074 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY020080.D

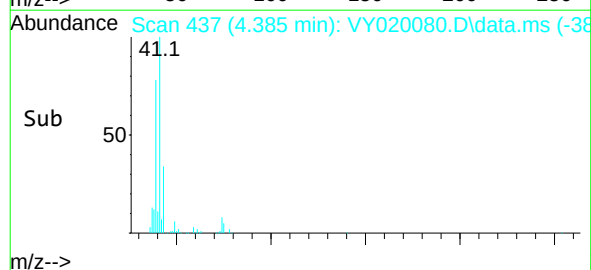
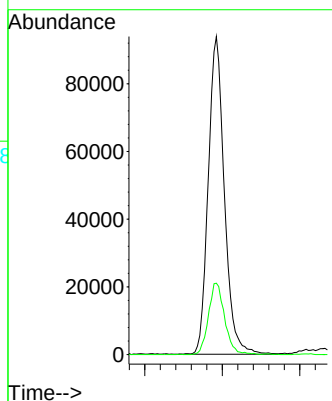
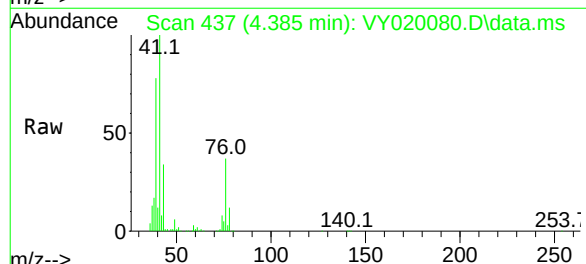
Acq: 30 Oct 2024 14:52

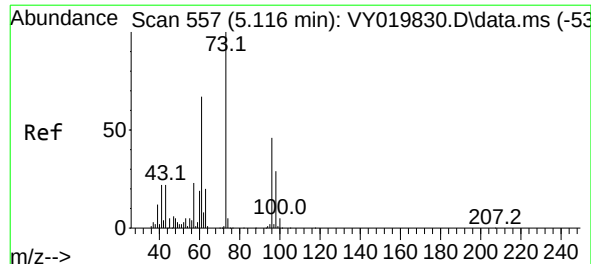
Tgt Ion: 43 Resp: 270939

Ion Ratio Lower Upper

43 100

74 22.7 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 170.073 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 1166714

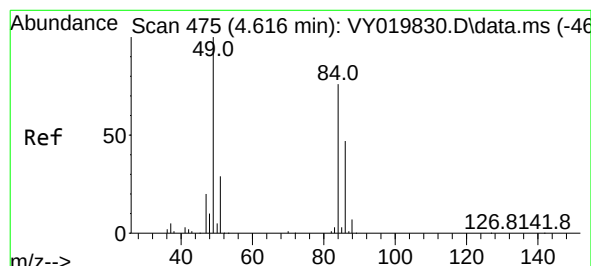
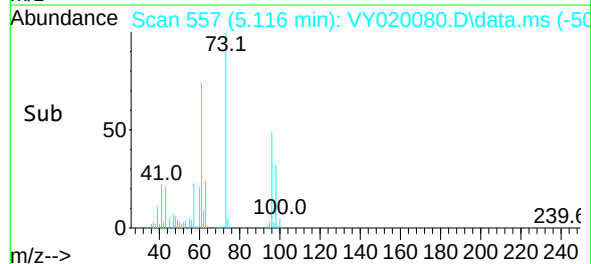
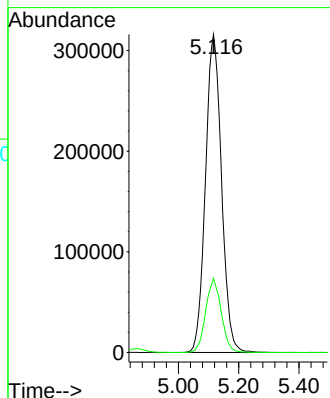
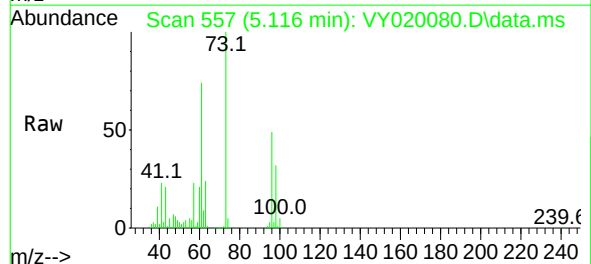
Ion Ratio Lower Upper

73 100

57 23.3 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#20

Methylene Chloride

Concen: 131.706 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion: 84 Resp: 473057

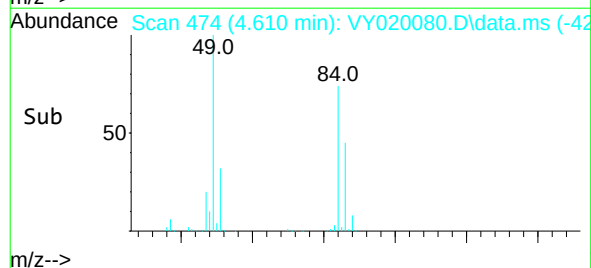
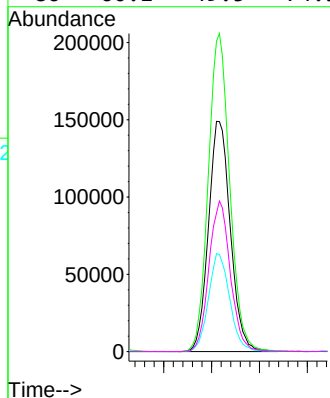
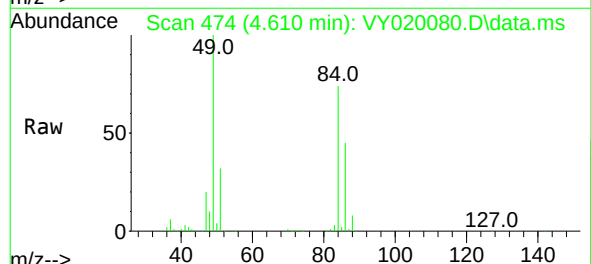
Ion Ratio Lower Upper

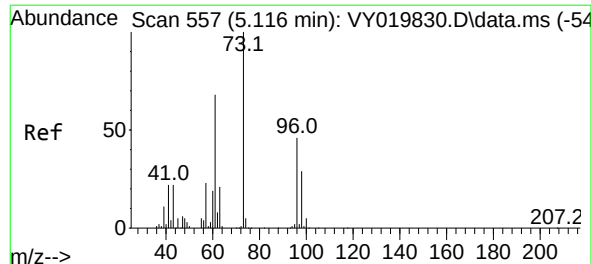
84 100

49 134.8 84.4 126.6#

51 42.5 26.0 39.0#

86 60.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 156.706 ug/l

RT: 5.110 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 498356

Ion Ratio Lower Upper

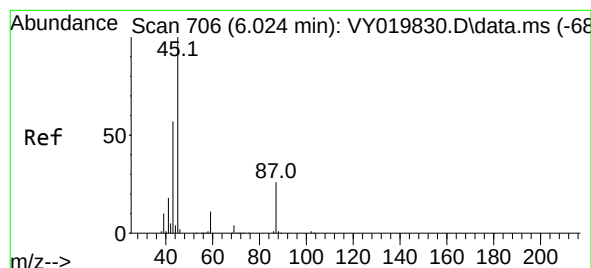
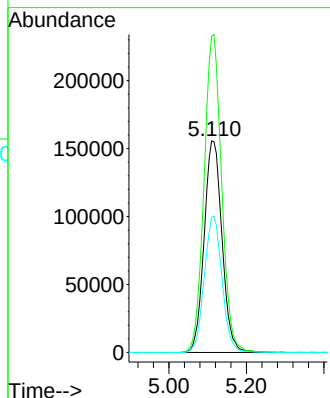
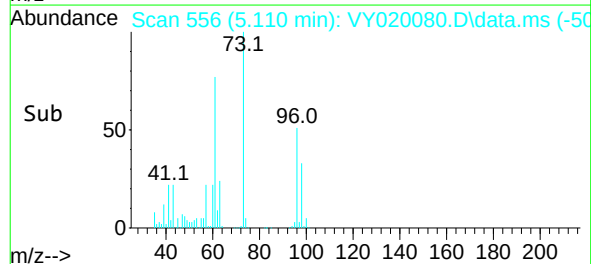
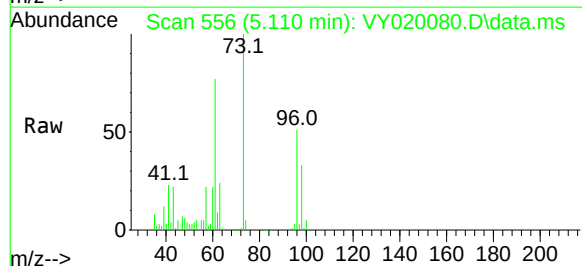
96 100

61 149.5 97.5 146.3#

98 63.9 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#22

Diisopropyl ether

Concen: 166.319 ug/l

RT: 6.019 min Scan# 705

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion: 45 Resp: 1712860

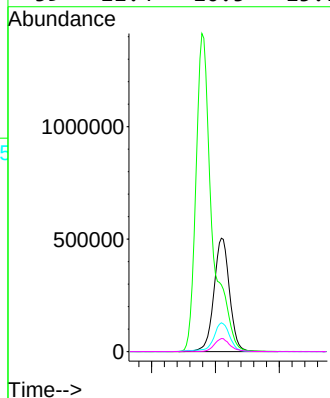
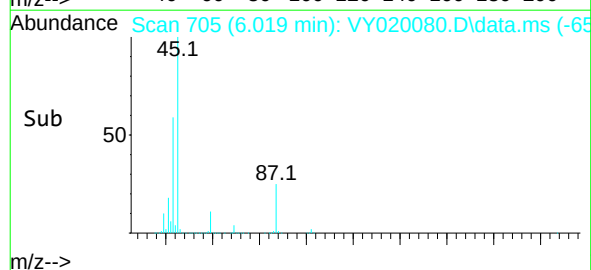
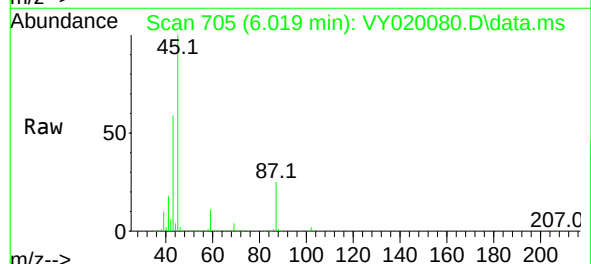
Ion Ratio Lower Upper

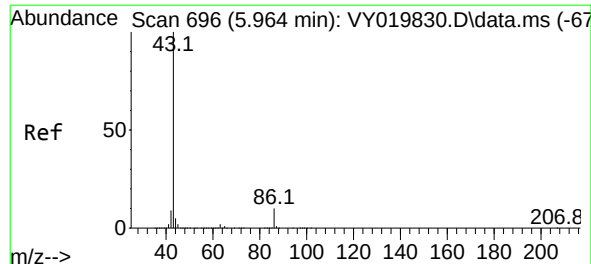
45 100

43 58.9 42.2 63.2

87 25.4 25.0 37.6

59 11.4 10.5 15.7





#23

Vinyl Acetate

Concen: 871.948 ug/l

RT: 5.958 min Scan# 69

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 4953304

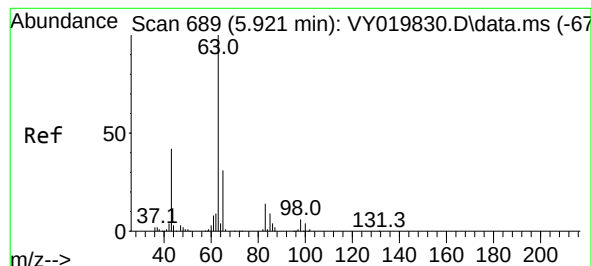
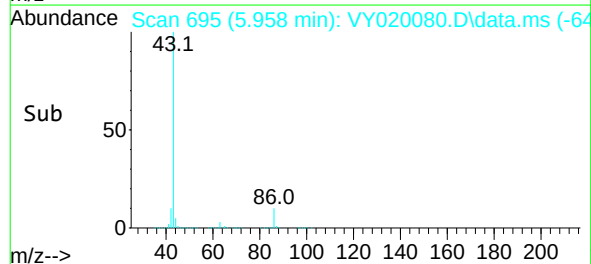
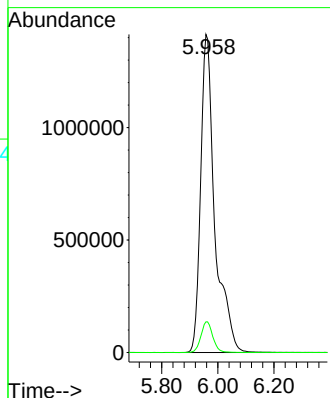
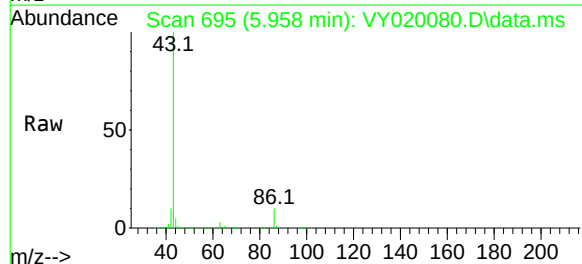
Ion Ratio Lower Upper

43 100

86 9.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#24

1,1-Dichloroethane

Concen: 155.708 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

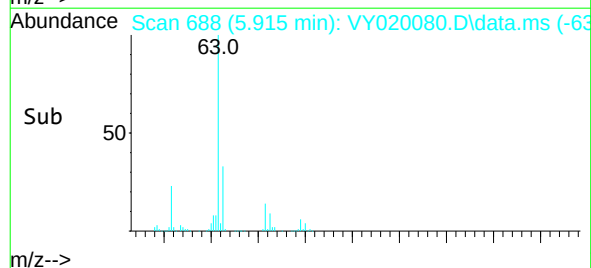
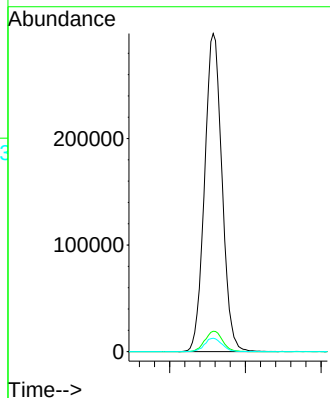
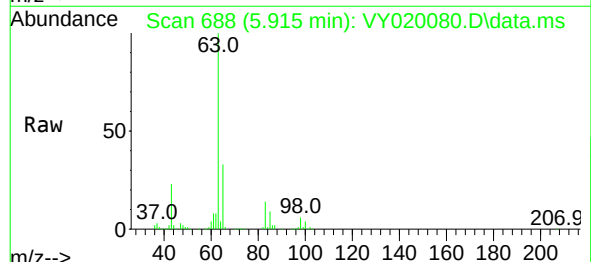
Tgt Ion: 63 Resp: 951564

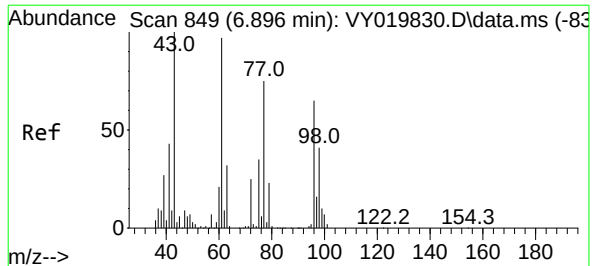
Ion Ratio Lower Upper

63 100

98 6.4 4.0 12.2

100 4.2 2.6 8.0





#25

2-Butanone

Concen: 819.771 ug/l

RT: 6.890 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 817694

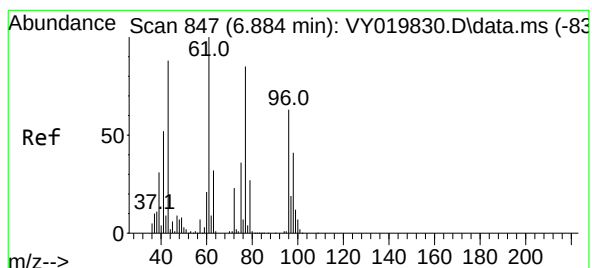
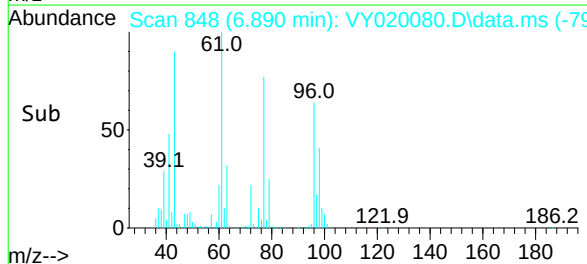
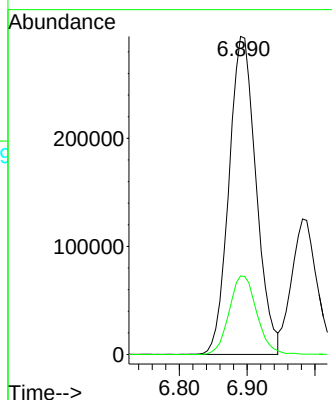
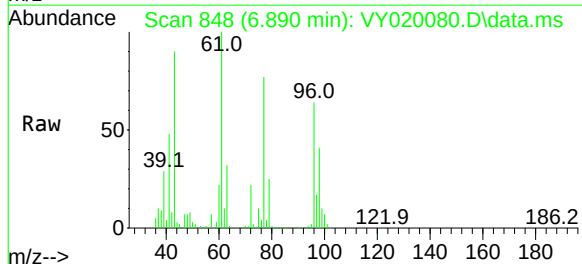
Ion Ratio Lower Upper

43 100

72 24.7 27.3 40.9#

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#26

2,2-Dichloropropane

Concen: 156.450 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY020080.D

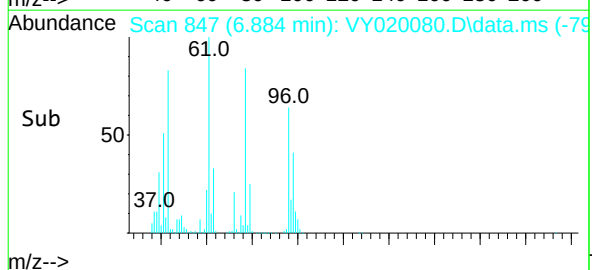
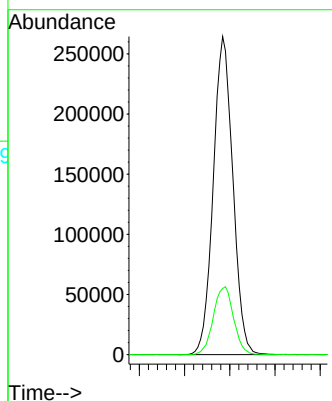
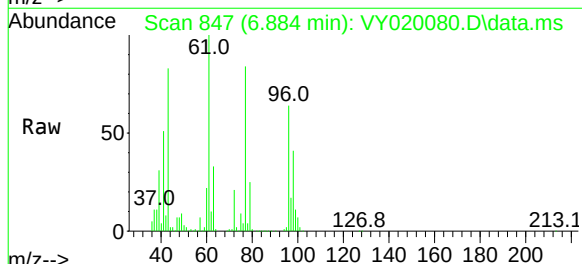
Acq: 30 Oct 2024 14:52

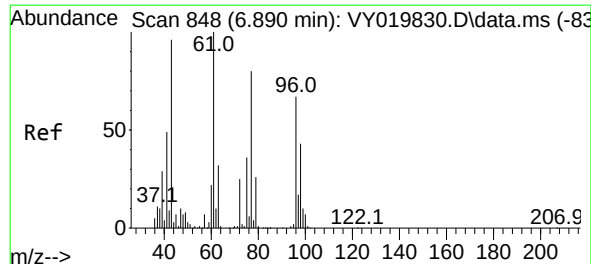
Tgt Ion: 77 Resp: 795976

Ion Ratio Lower Upper

77 100

97 22.0 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 162.347 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 583766

Ion Ratio Lower Upper

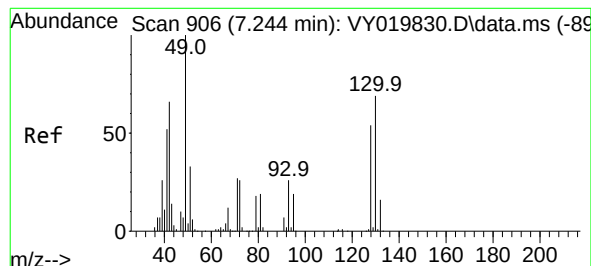
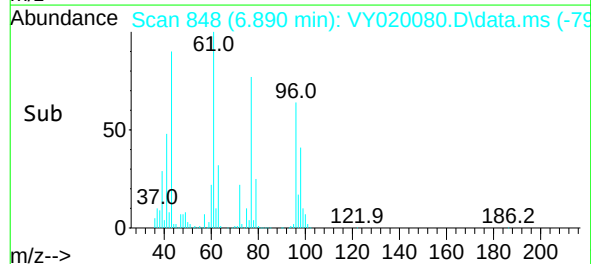
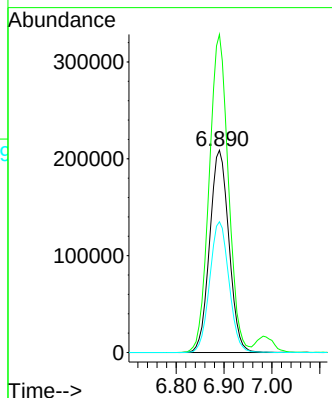
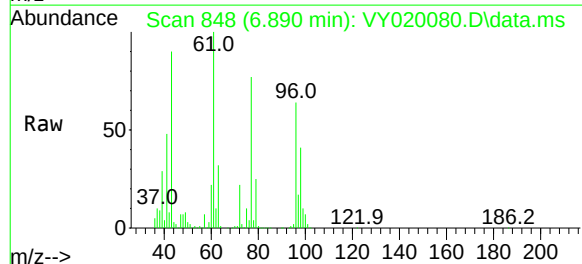
96 100

61 156.9 0.0 256.2

98 64.7 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#28

Bromochloromethane

Concen: 157.093 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

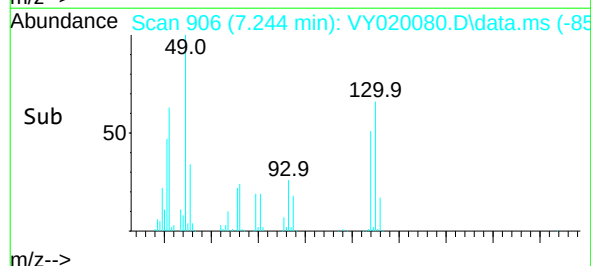
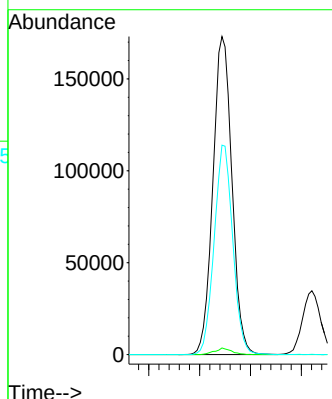
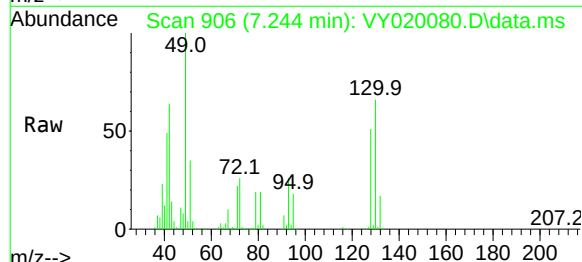
Tgt Ion: 49 Resp: 449704

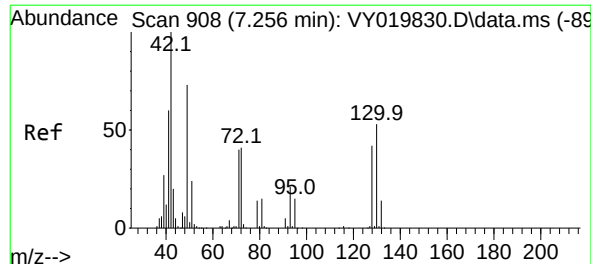
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 64.4 72.7 109.1#





#29

Tetrahydrofuran

Concen: 828.165 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 474645

Ion Ratio Lower Upper

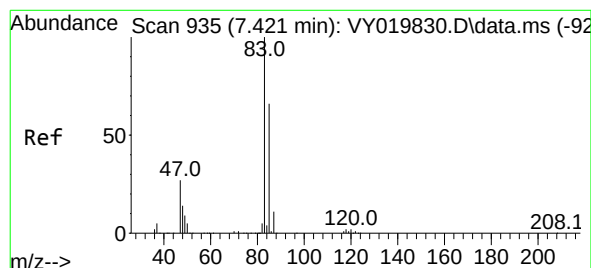
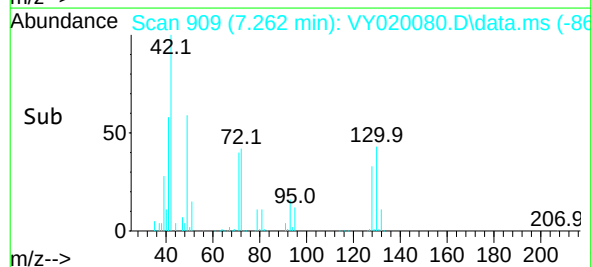
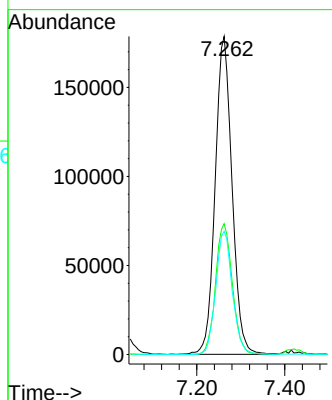
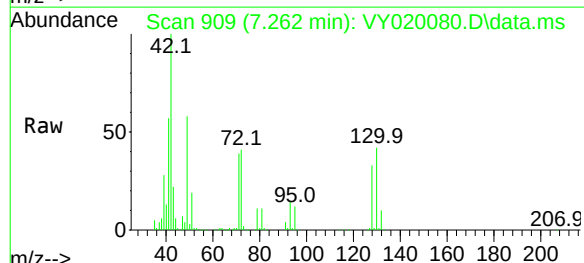
42 100

72 41.3 43.0 64.4

71 38.2 40.8 61.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#30

Chloroform

Concen: 158.077 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY020080.D

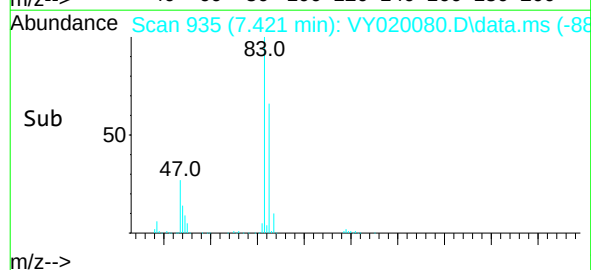
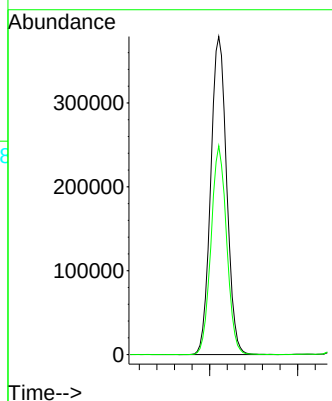
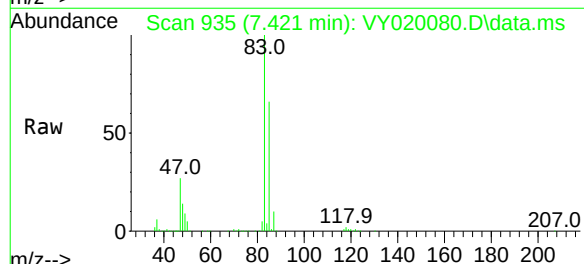
Acq: 30 Oct 2024 14:52

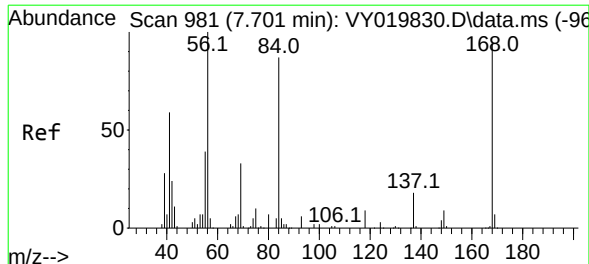
Tgt Ion: 83 Resp: 953842

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.4





#31

Cyclohexane

Concen: 141.540 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 862973

Ion Ratio Lower Upper

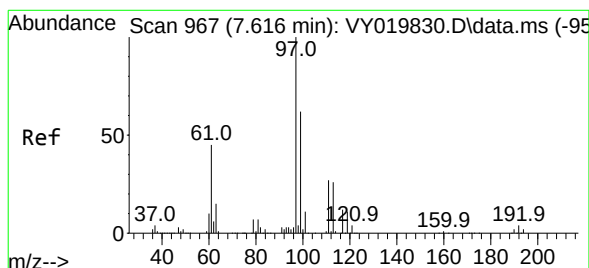
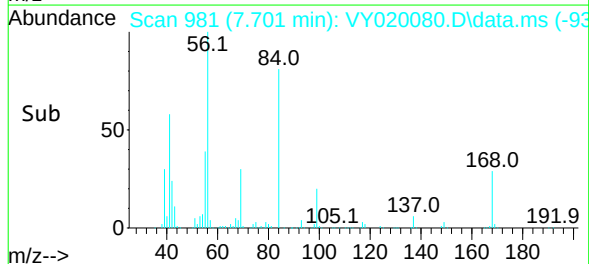
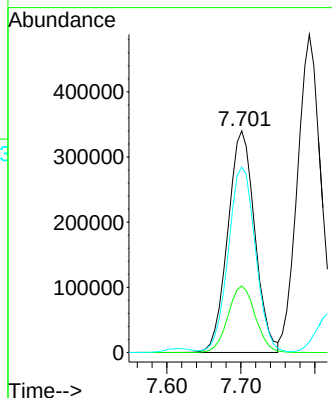
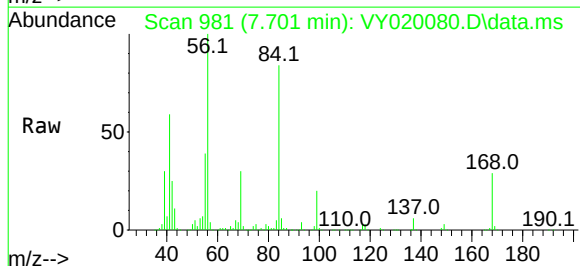
56 100

69 30.0 28.7 43.1

84 81.8 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#32

1,1,1-Trichloroethane

Concen: 161.468 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

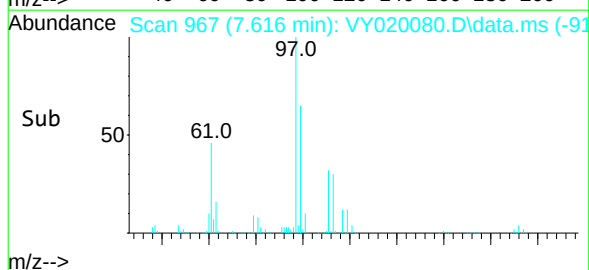
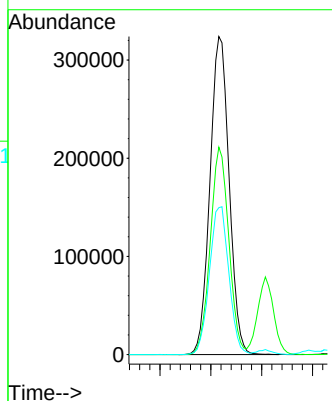
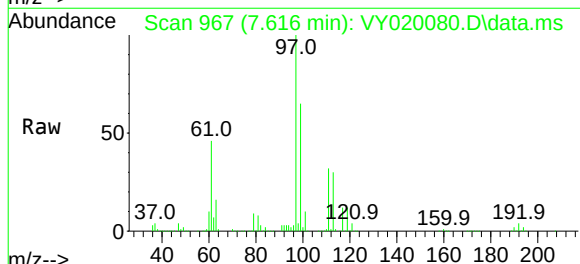
Tgt Ion: 97 Resp: 847338

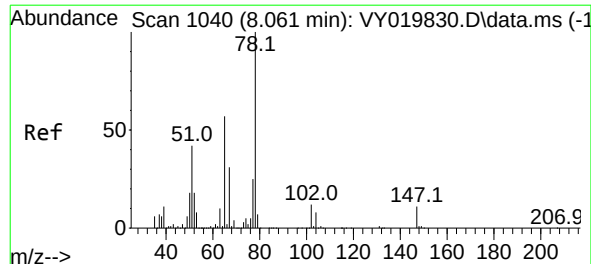
Ion Ratio Lower Upper

97 100

99 63.3 50.3 75.5

61 47.3 32.6 48.8





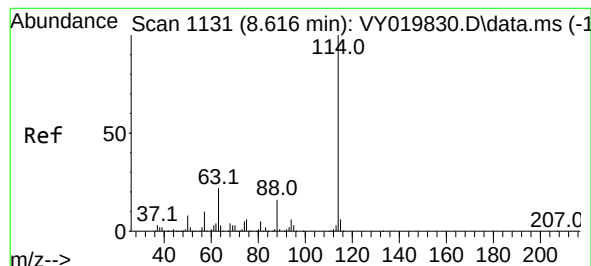
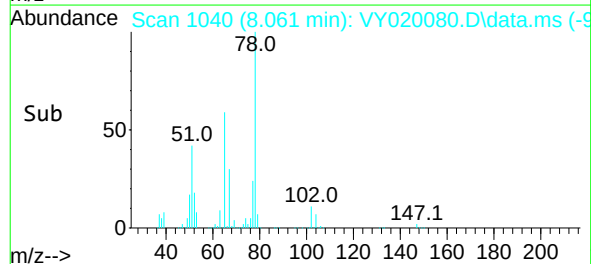
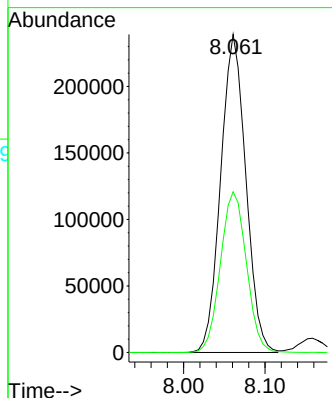
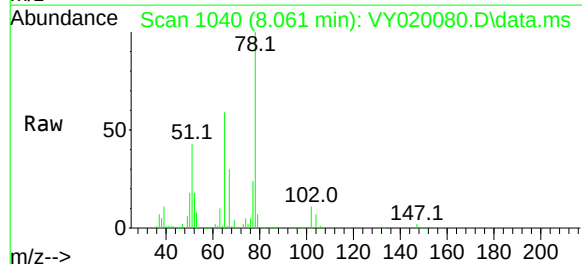
#33
1,2-Dichloroethane-d4
Concen: 159.809 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 513131
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.6

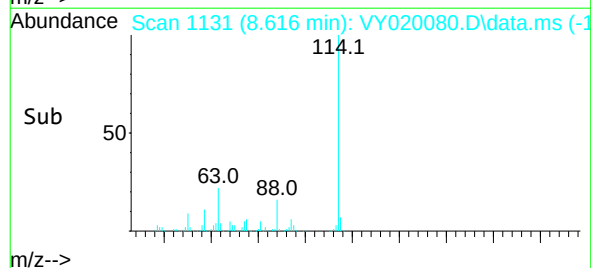
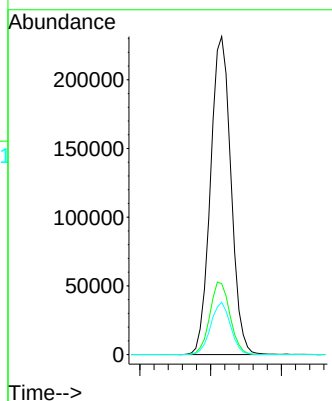
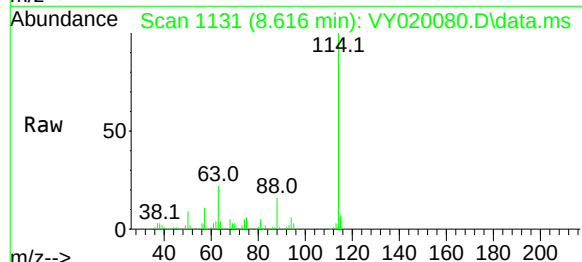
Manual Integrations
APPROVED

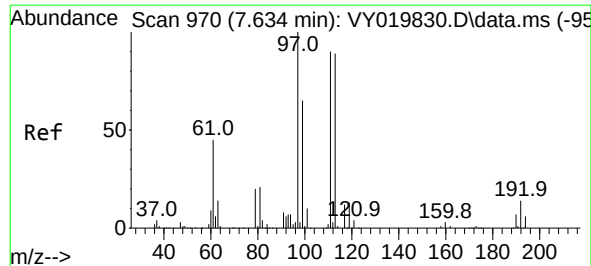
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Tgt Ion:114 Resp: 464829
Ion Ratio Lower Upper
114 100
63 22.3 0.0 35.0
88 16.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 166.018 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 473607

Ion Ratio Lower Upper

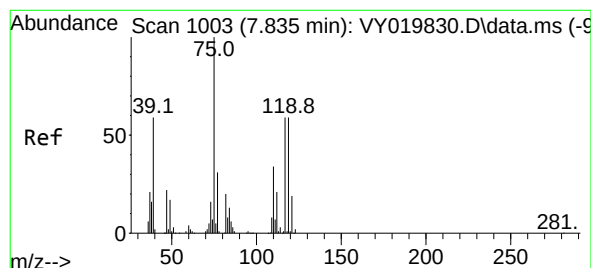
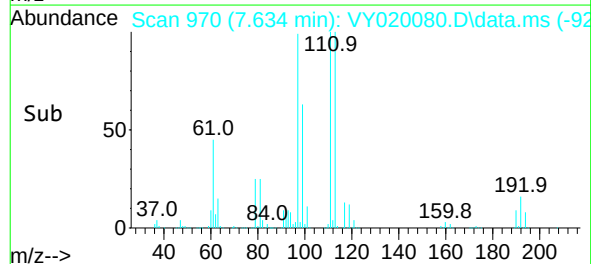
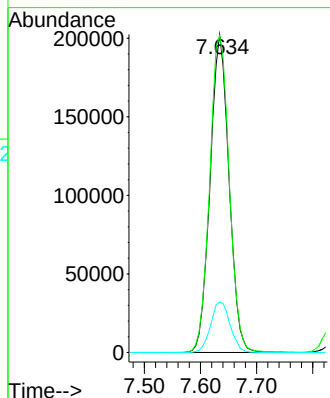
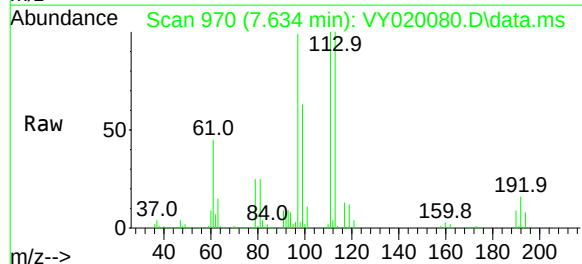
113 100

111 103.3 82.2 123.4

192 16.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#36

1,1-Dichloropropene

Concen: 159.013 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

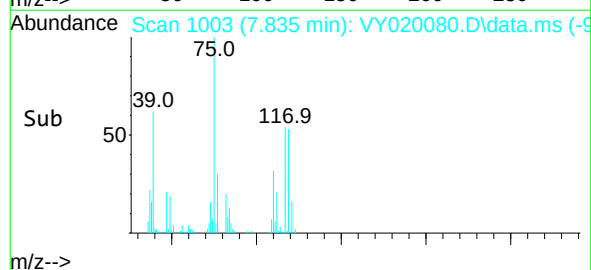
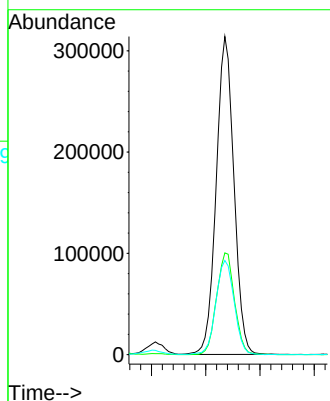
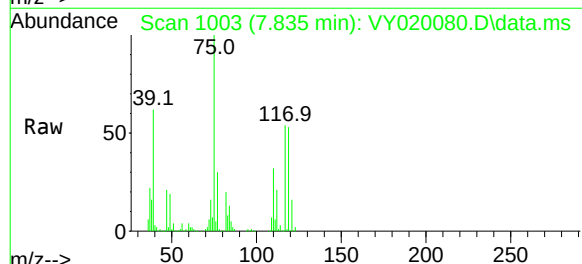
Tgt Ion: 75 Resp: 711249

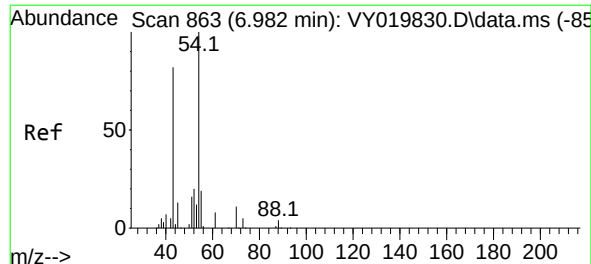
Ion Ratio Lower Upper

75 100

110 32.4 19.0 57.0

77 30.6 25.3 37.9





#37

Ethyl Acetate

Concen: 157.506 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

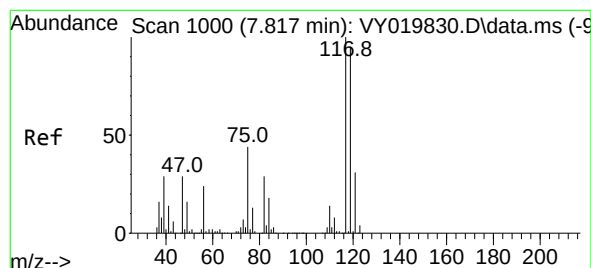
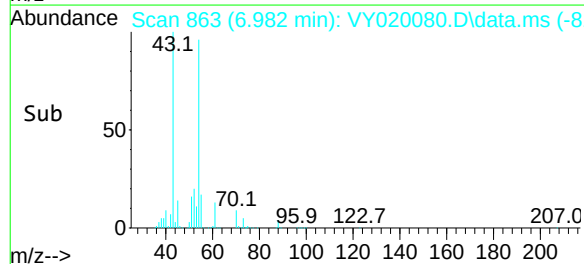
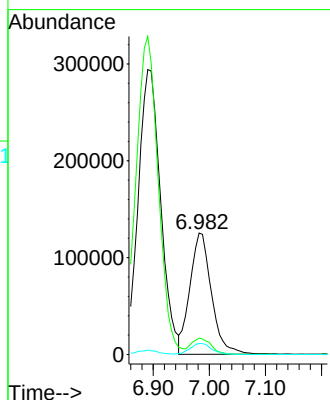
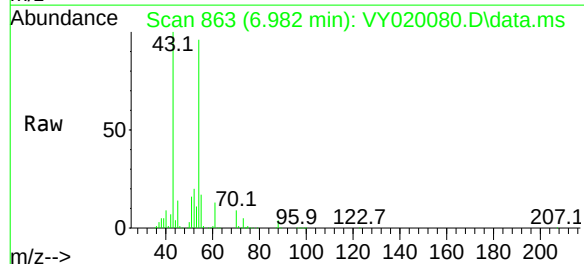
ClientSampleId :

VSTDICC150

Tgt Ion:	43	Resp:	333510
Ion	Ratio	Lower	Upper
43	100		
61	12.2	12.6	19.0
70	9.1	7.8	11.8

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#38

Carbon Tetrachloride

Concen: 163.871 ug/l

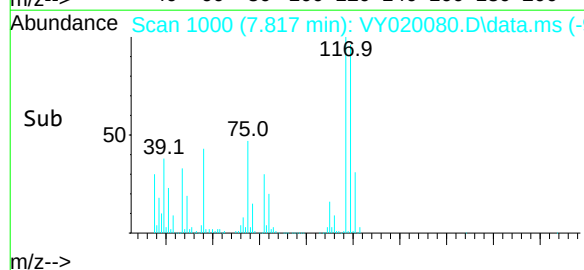
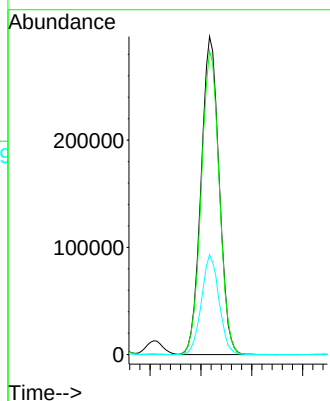
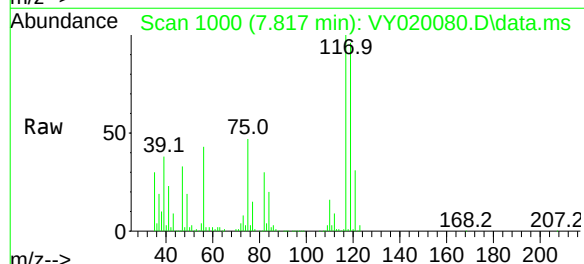
RT: 7.817 min Scan# 1000

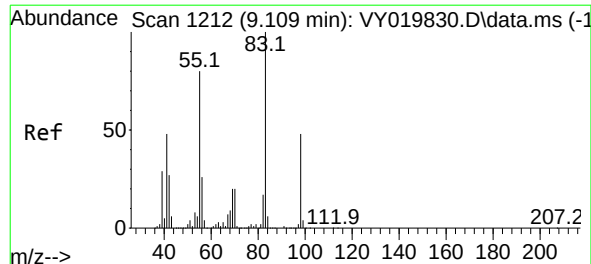
Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion:	117	Resp:	731039
Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.6
121	31.4	24.0	36.0





#39

Methylcyclohexane

Concen: 164.246 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 921465

Ion Ratio Lower Upper

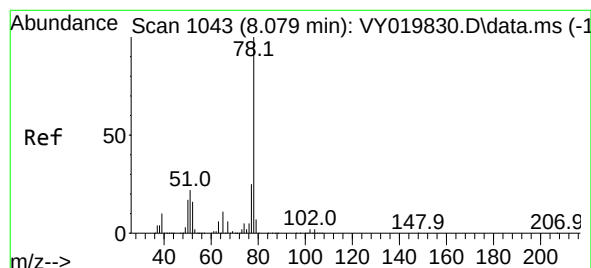
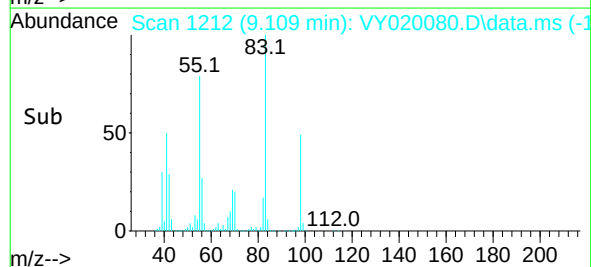
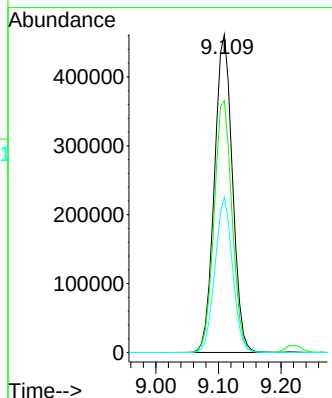
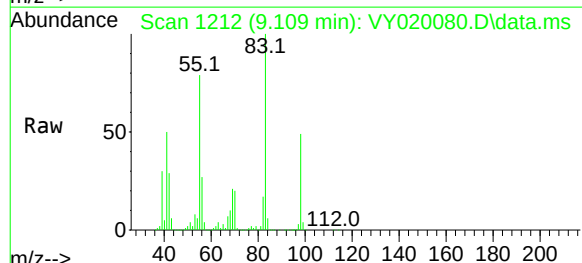
83 100

55 79.2 51.5 77.3

98 48.9 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#40

Benzene

Concen: 160.528 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020080.D

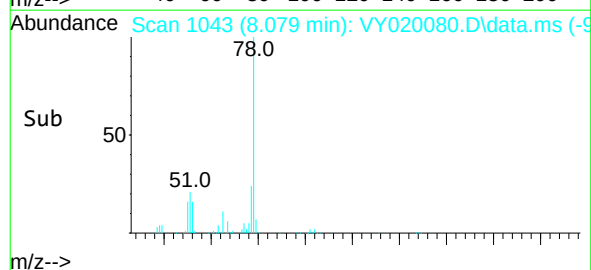
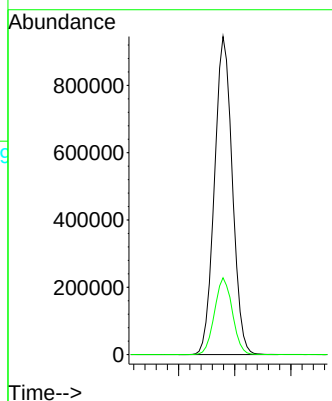
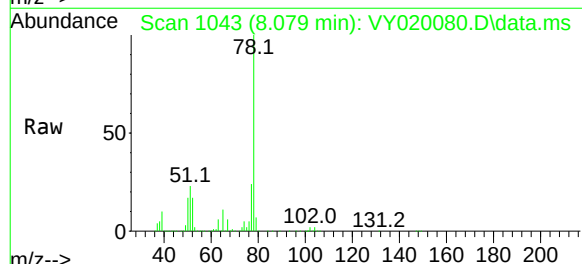
Acq: 30 Oct 2024 14:52

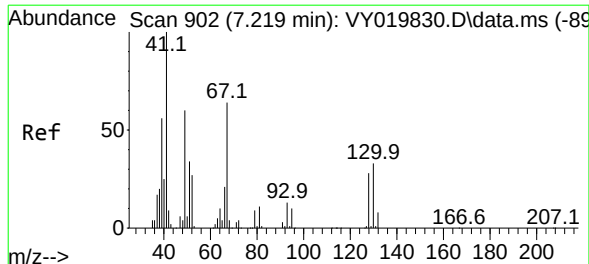
Tgt Ion: 78 Resp: 2088865

Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3





#41

Methacrylonitrile

Concen: 124.237 ug/l

RT: 7.220 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 176781

Ion Ratio Lower Upper

41 100

39 54.9 48.0 72.0

67 75.9 75.1 112.7

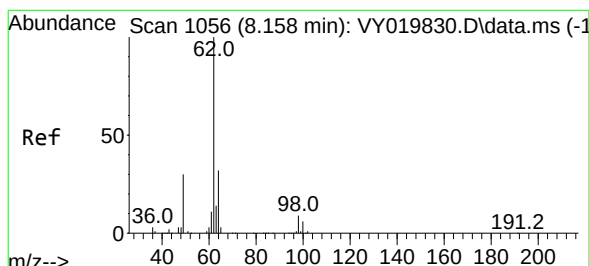
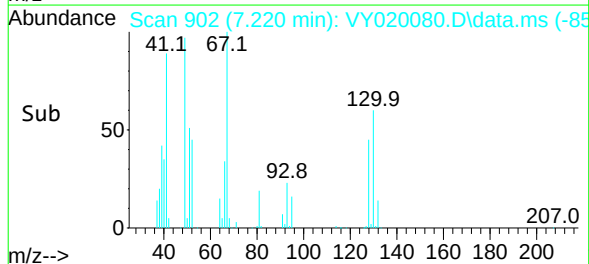
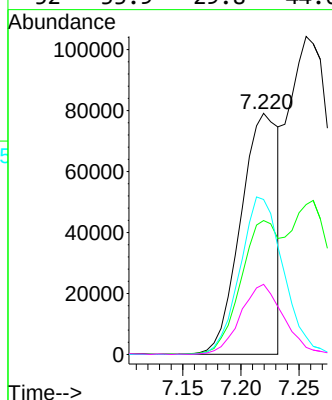
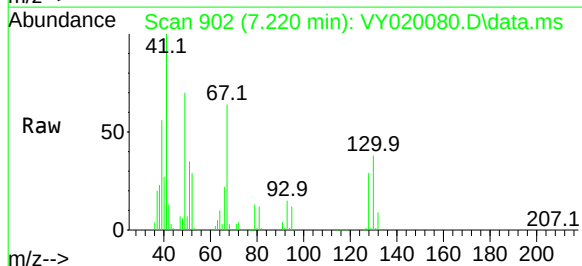
52 33.9 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#42

1,2-Dichloroethane

Concen: 163.063 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY020080.D

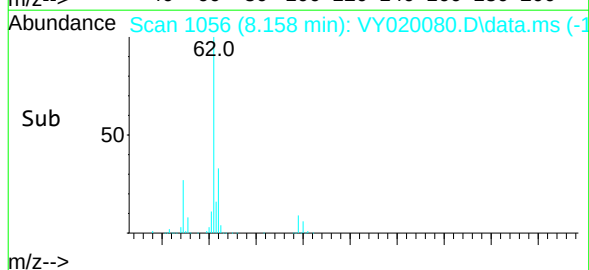
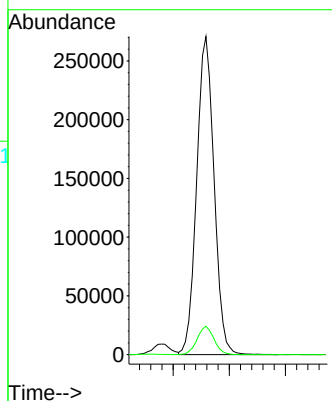
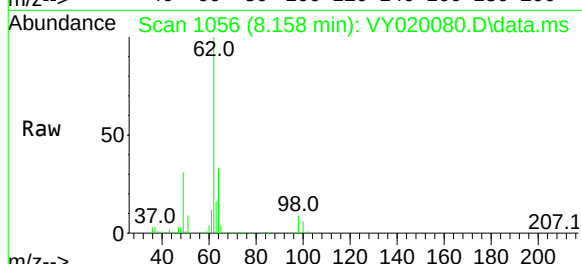
Acq: 30 Oct 2024 14:52

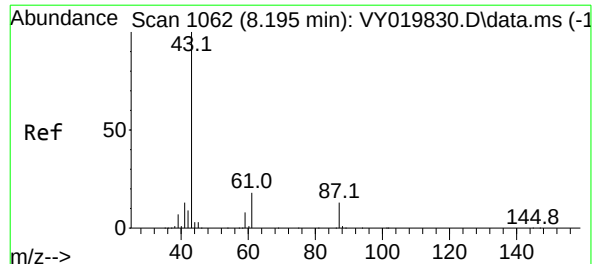
Tgt Ion: 62 Resp: 582749

Ion Ratio Lower Upper

62 100

98 8.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 171.562 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

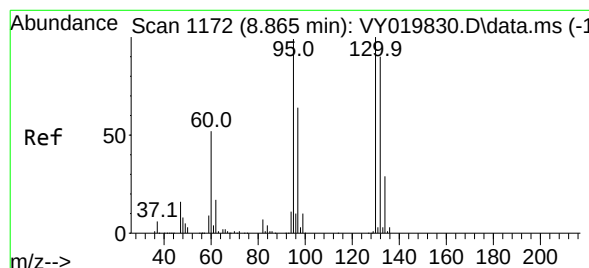
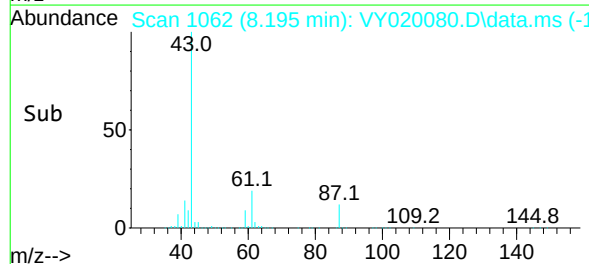
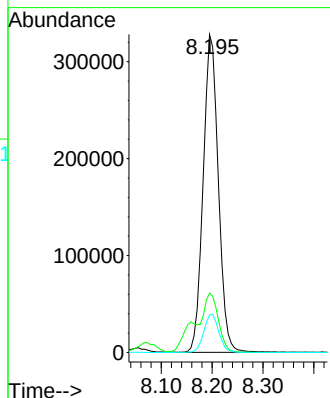
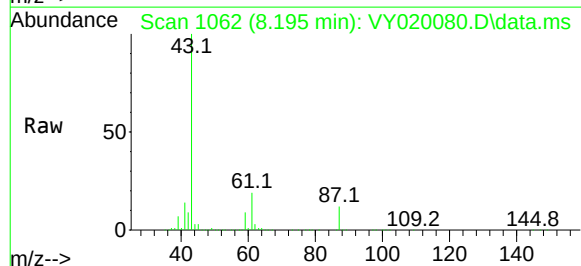
ClientSampleId :

VSTDICC150

Tgt Ion:	43	Resp:	679605
Ion	Ratio	Lower	Upper
43	100		
61	19.0	27.9	41.9
87	12.0	13.1	19.7

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#44

Trichloroethene

Concen: 159.766 ug/l

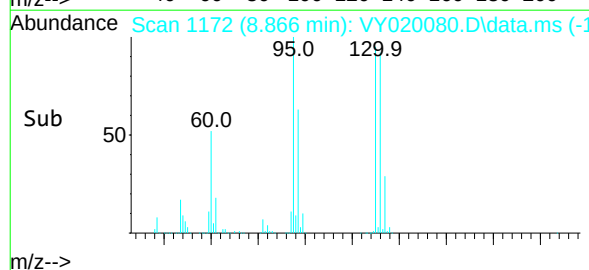
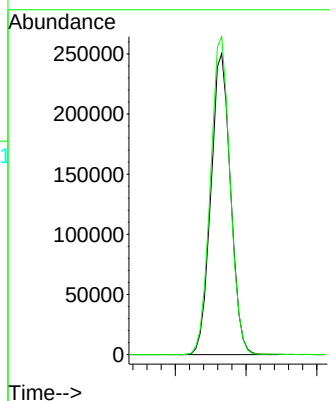
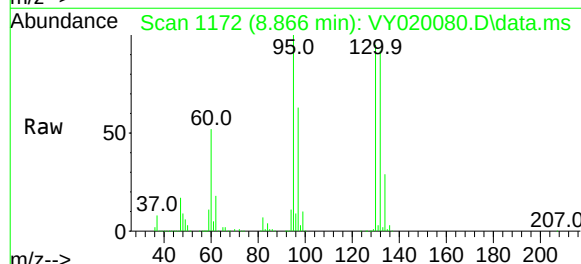
RT: 8.866 min Scan# 1172

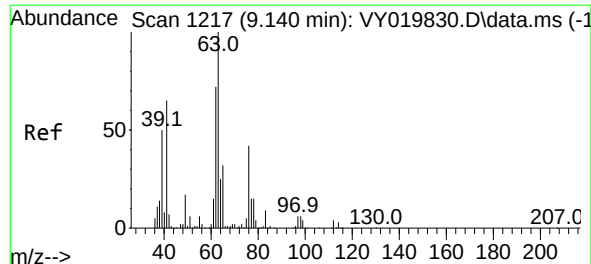
Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion:	130	Resp:	482450
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 164.358 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 508168

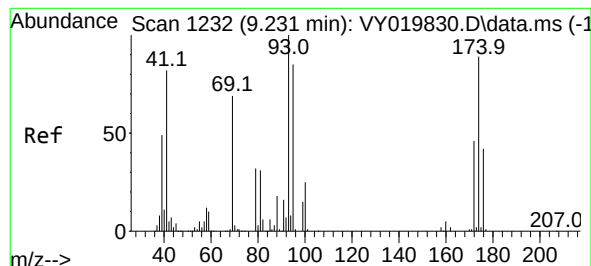
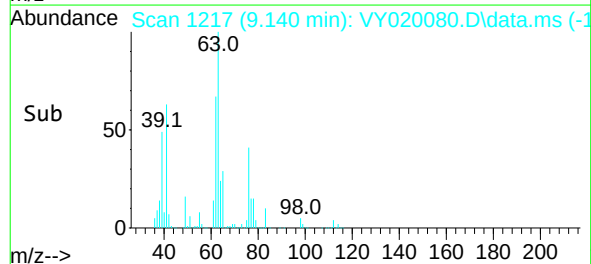
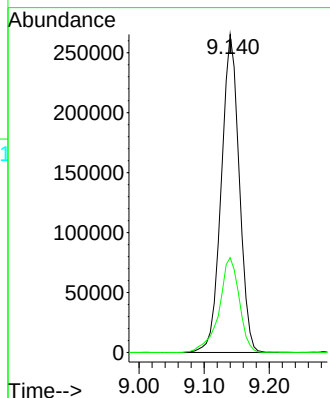
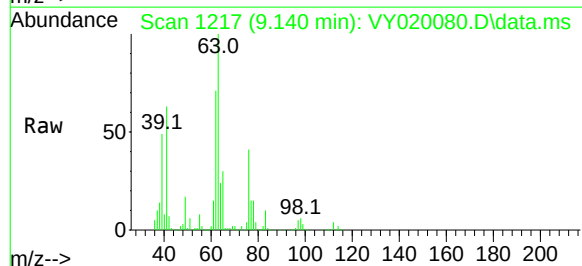
Ion Ratio Lower Upper

63 100

65 29.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#46

Dibromomethane

Concen: 163.933 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

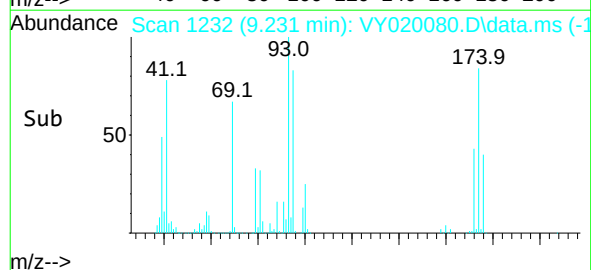
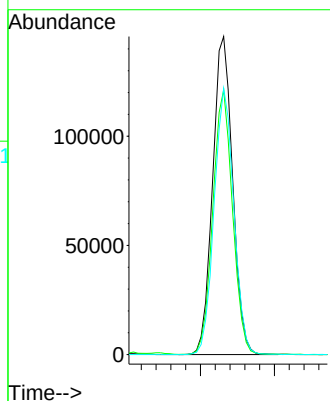
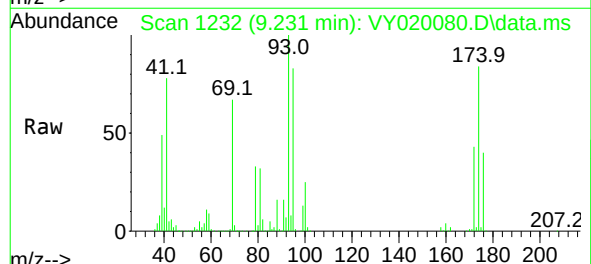
Tgt Ion: 93 Resp: 273750

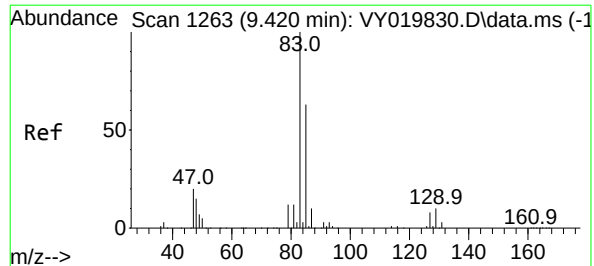
Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

174 82.4 80.9 121.3





#47

Bromodichloromethane

Concen: 167.201 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 727941

Ion Ratio Lower Upper

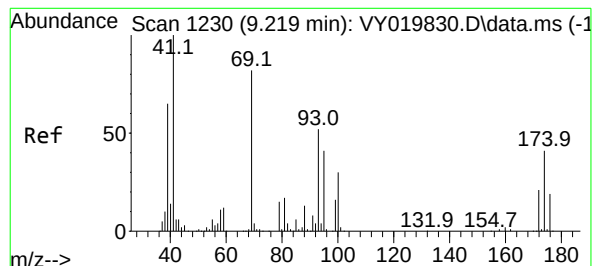
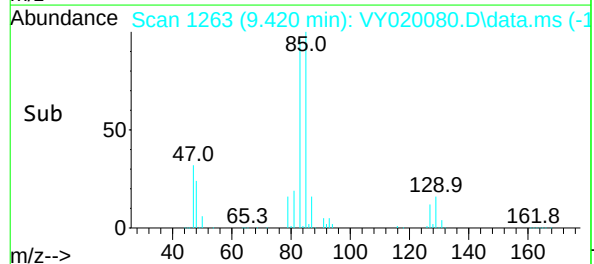
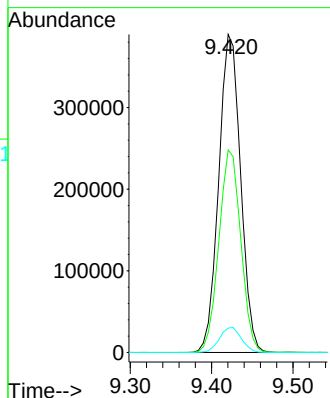
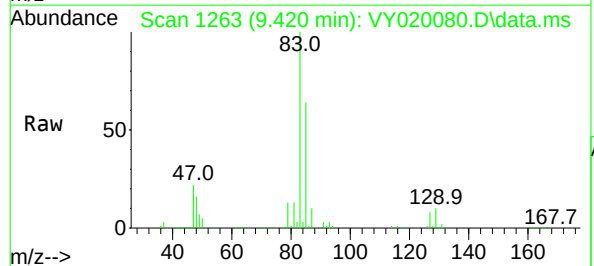
83 100

85 63.7 50.1 75.1

127 7.7 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#48

Methyl methacrylate

Concen: 183.056 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

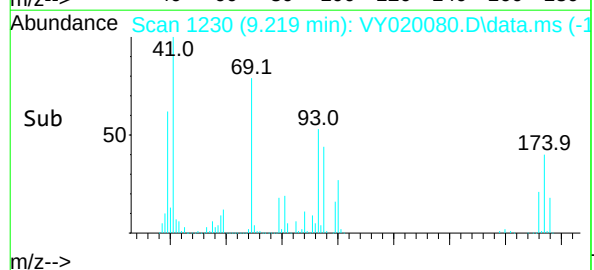
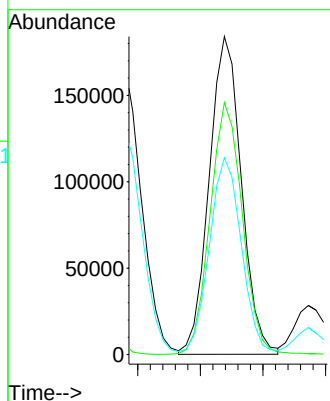
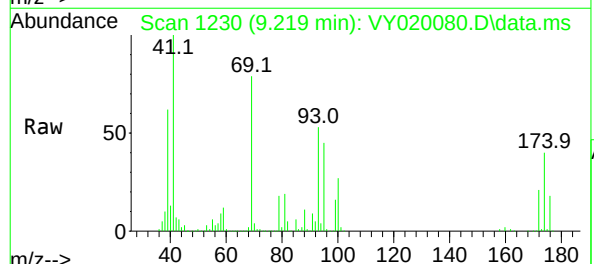
Tgt Ion: 41 Resp: 328446

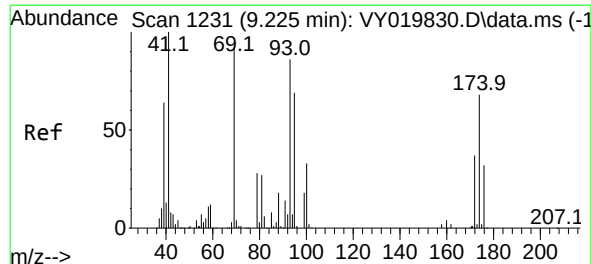
Ion Ratio Lower Upper

41 100

69 79.3 84.1 126.1#

39 60.0 43.6 65.4





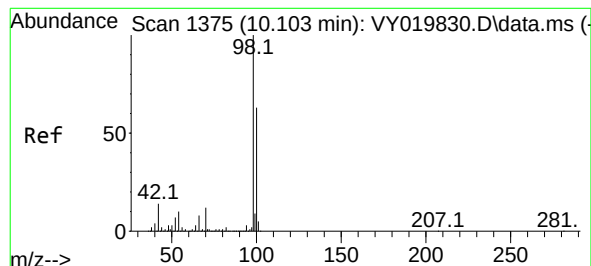
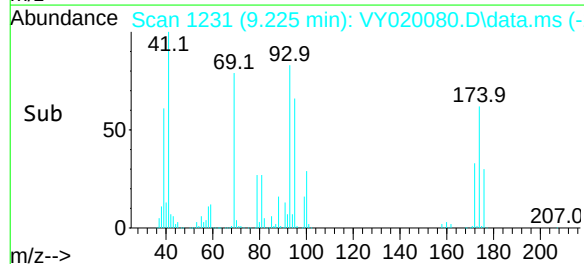
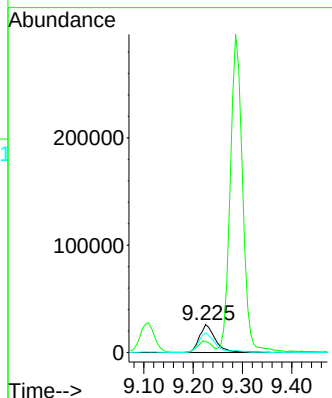
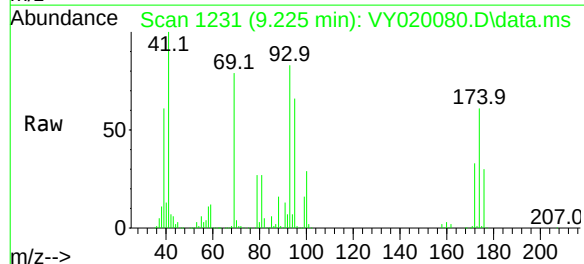
#49
1,4-Dioxane
Concen: 3527.312 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 58592
Ion Ratio Lower Upper
88 100
43 34.5 0.0 0.0#
58 68.6 49.3 73.9

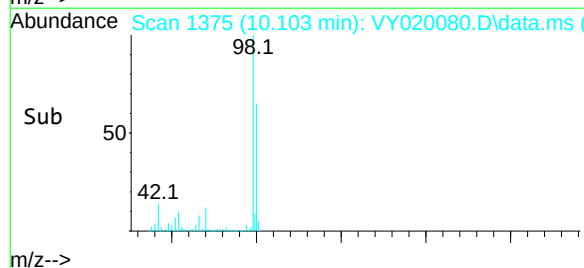
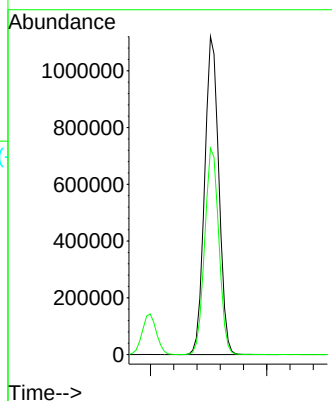
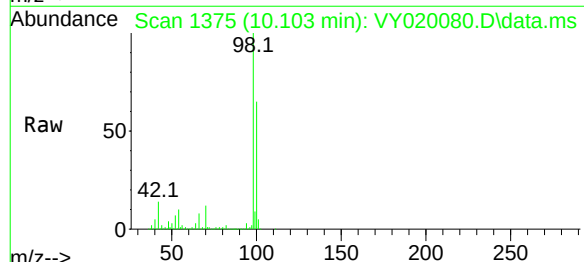
Manual Integrations
APPROVED

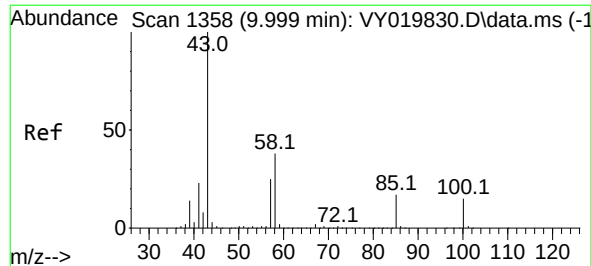
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#50
Toluene-d8
Concen: 168.741 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Tgt Ion: 98 Resp: 1901637
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 869.690 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion: 43 Resp: 1759800

Ion Ratio Lower Upper

43 100

58 38.1 35.7 53.5

Instrument :

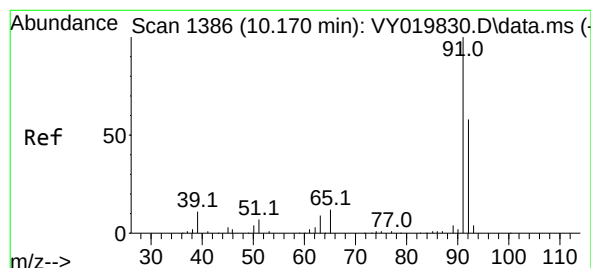
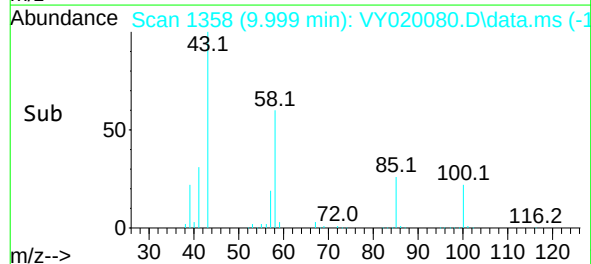
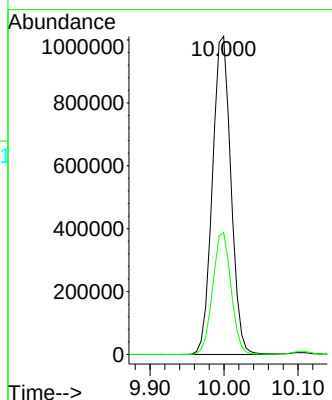
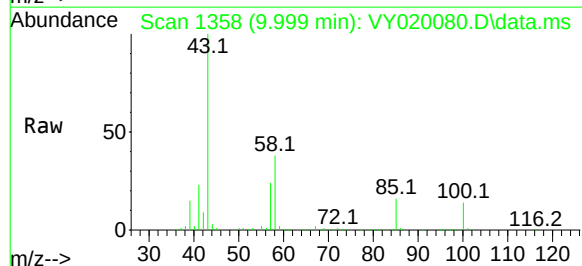
MSVOA_Y

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#52

Toluene

Concen: 168.421 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020080.D

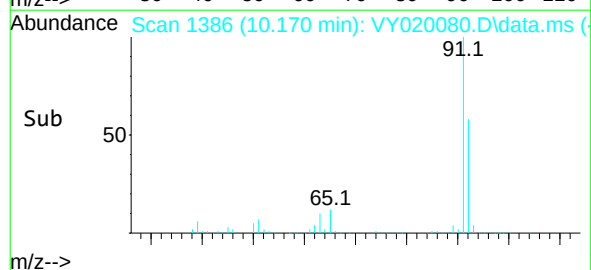
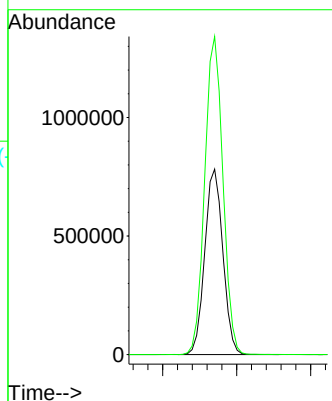
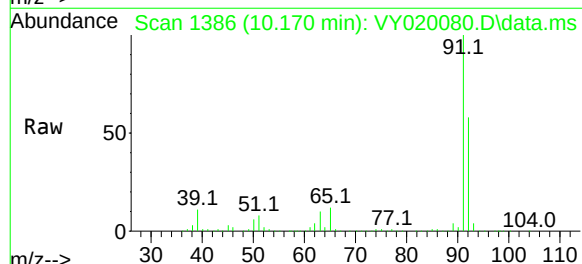
Acq: 30 Oct 2024 14:52

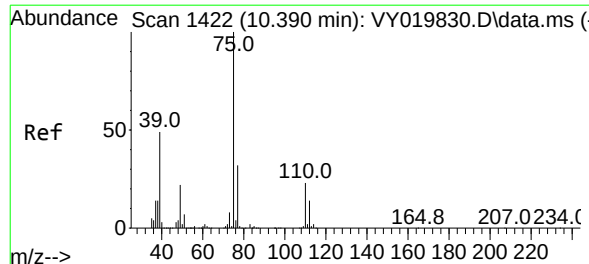
Tgt Ion: 92 Resp: 1328982

Ion Ratio Lower Upper

92 100

91 172.3 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 181.736 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020080.D

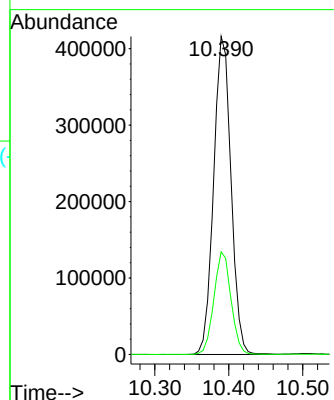
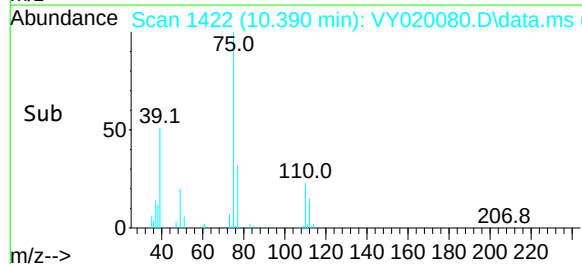
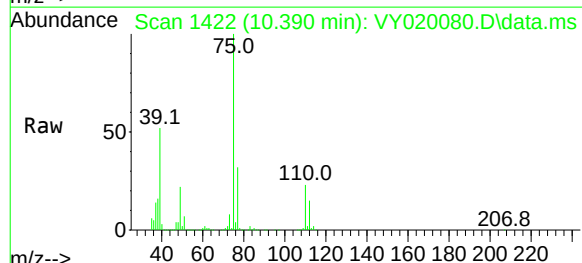
Acq: 30 Oct 2024 14:52

Tgt Ion: 75 Resp: 678432

Ion Ratio Lower Upper

75 100

77 32.3 24.1 36.1



Instrument :

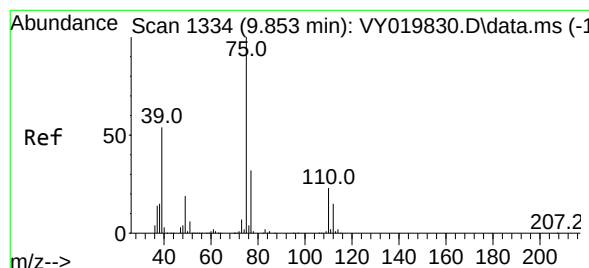
MSVOA_Y

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#54

cis-1,3-Dichloropropene

Concen: 177.804 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

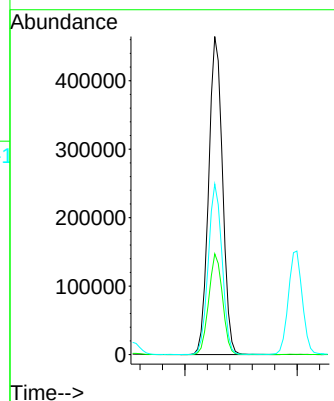
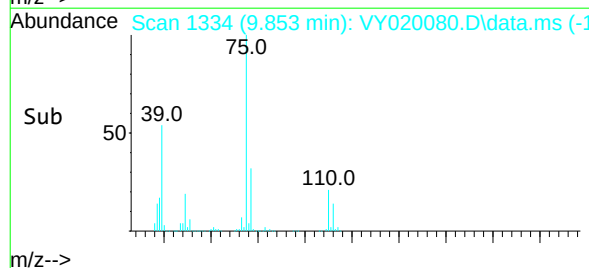
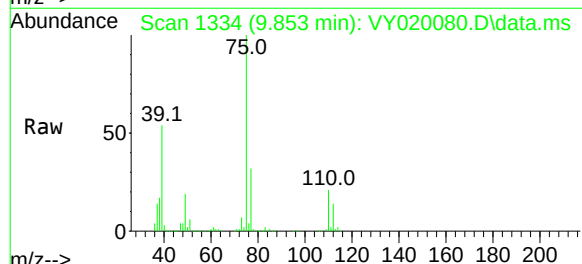
Tgt Ion: 75 Resp: 798700

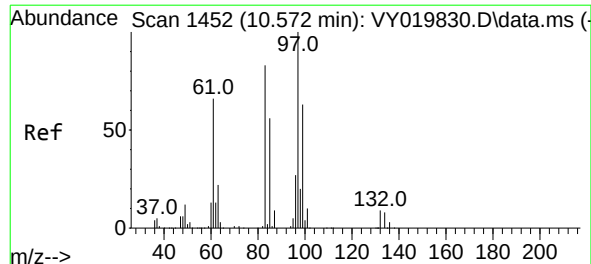
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 53.6 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 168.601 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 97 Resp: 345498

Ion Ratio Lower Upper

97 100

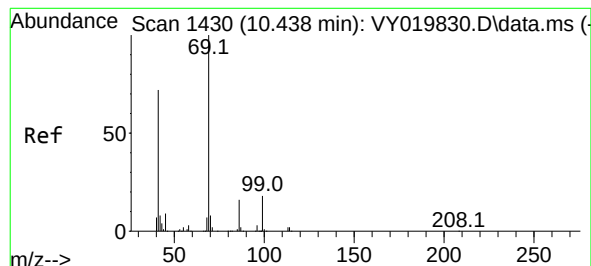
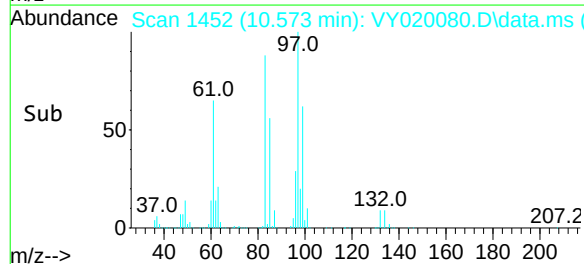
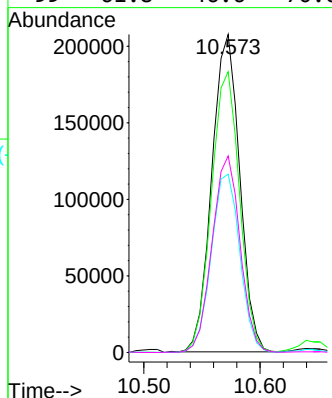
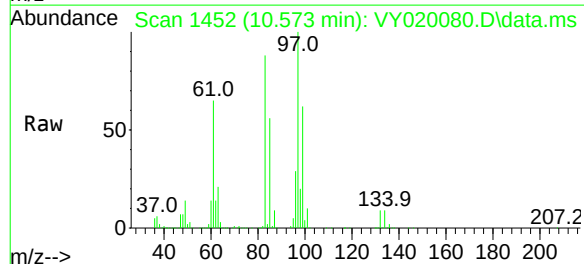
83 88.4 67.5 101.3

85 56.1 42.9 64.3

99 61.8 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#56

Ethyl methacrylate

Concen: 193.260 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

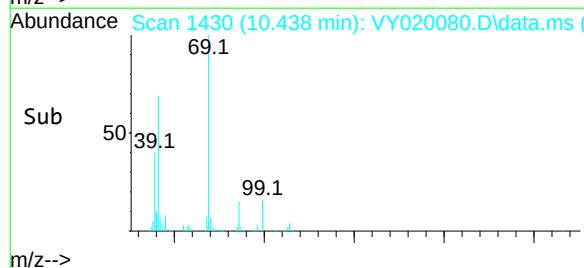
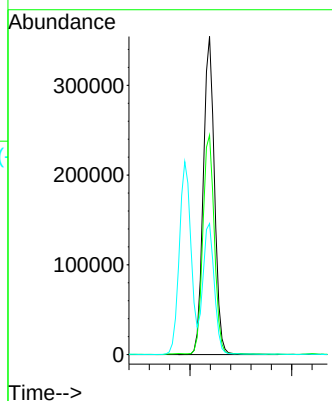
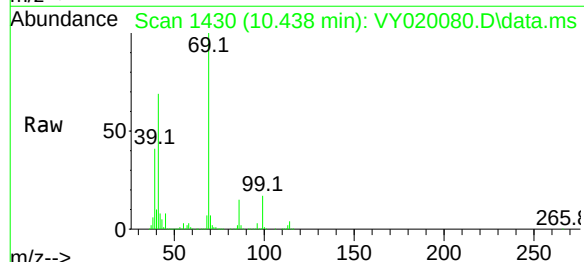
Tgt Ion: 69 Resp: 541087

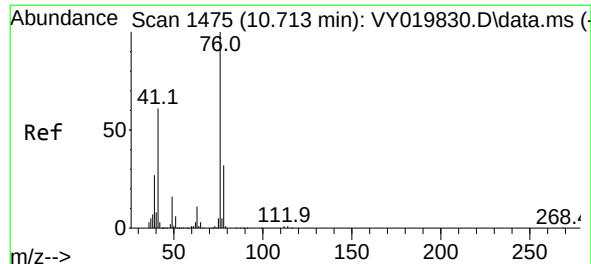
Ion Ratio Lower Upper

69 100

41 70.4 42.3 63.5#

39 41.6 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 165.943 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 626765

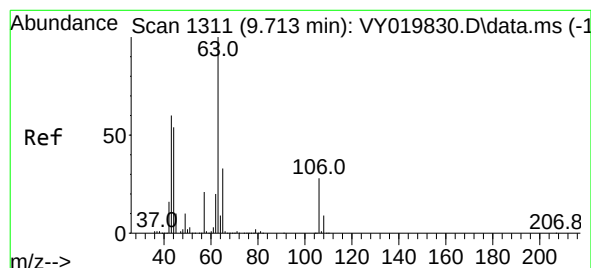
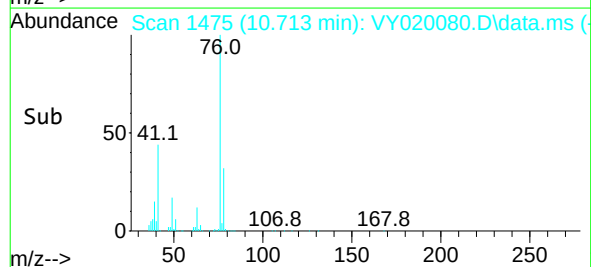
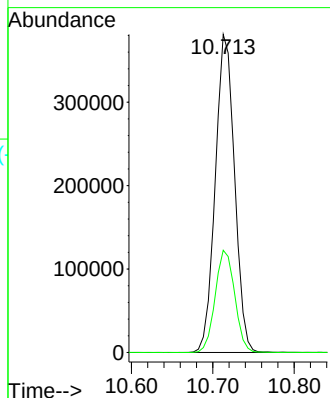
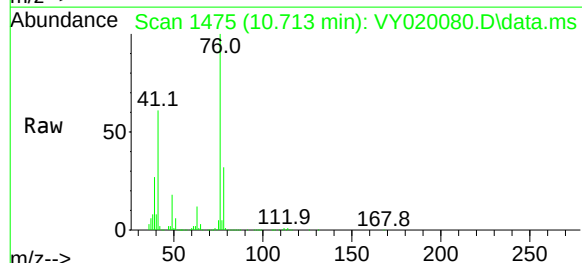
Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#58

2-Chloroethyl Vinyl ether

Concen: 881.311 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY020080.D

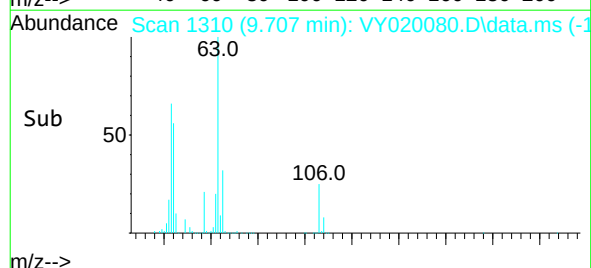
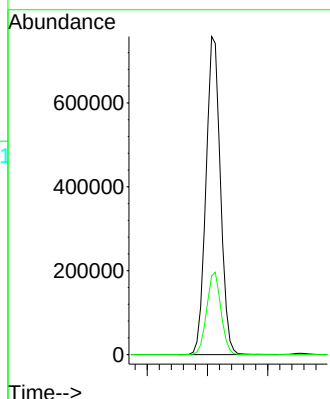
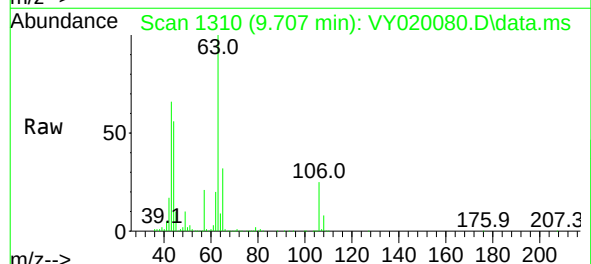
Acq: 30 Oct 2024 14:52

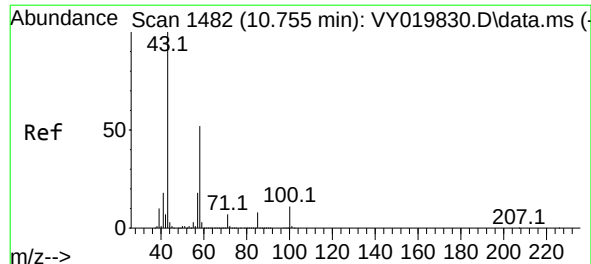
Tgt Ion: 63 Resp: 1258516

Ion Ratio Lower Upper

63 100

106 25.5 23.7 35.5





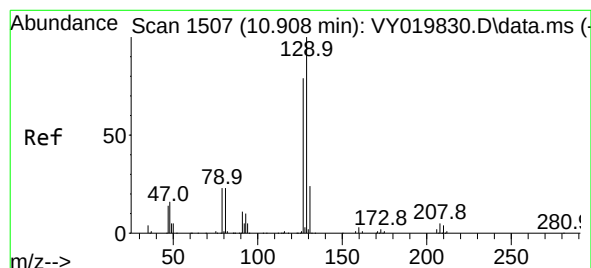
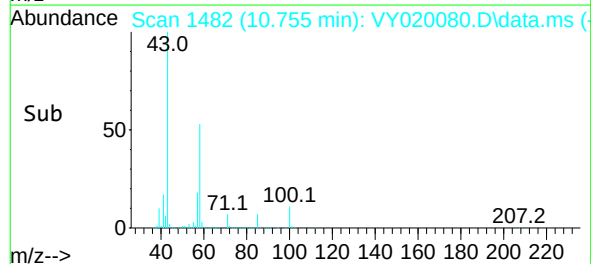
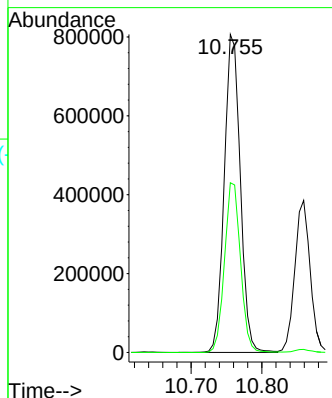
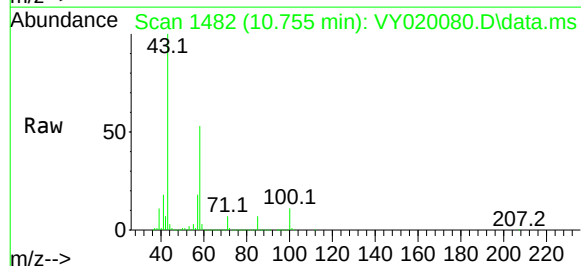
#59
2-Hexanone
Concen: 883.076 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1268082
Ion Ratio Lower Upper
43 100
58 53.2 31.4 94.0

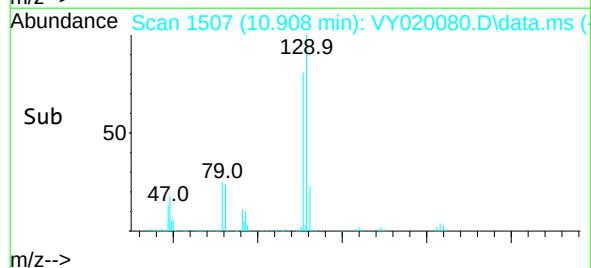
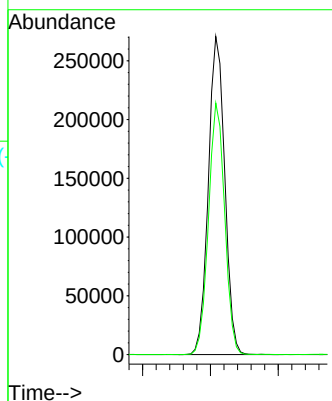
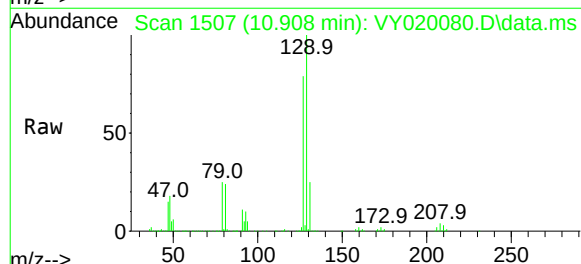
Manual Integrations
APPROVED

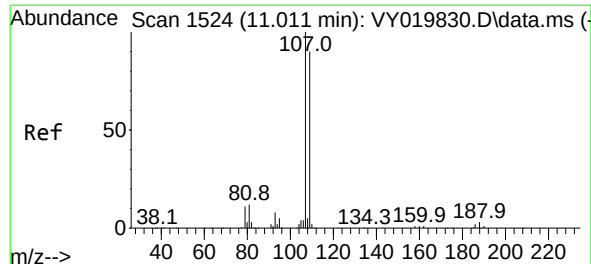
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#60
Dibromochloromethane
Concen: 176.635 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Tgt Ion:129 Resp: 455170
Ion Ratio Lower Upper
129 100
127 77.9 39.0 117.0





#61

1,2-Dibromoethane

Concen: 165.371 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:107 Resp: 317856

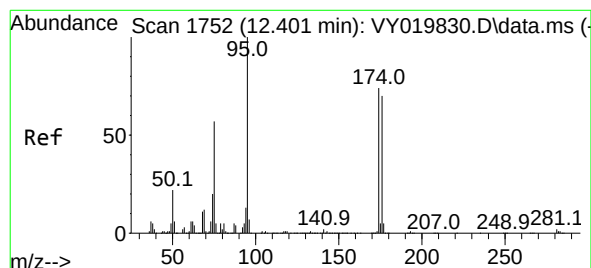
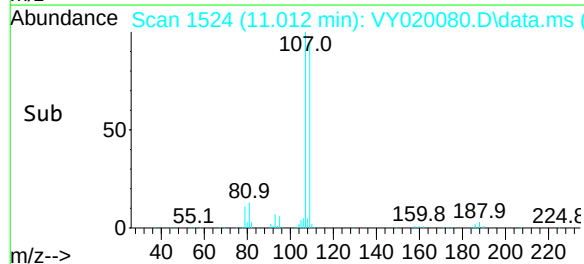
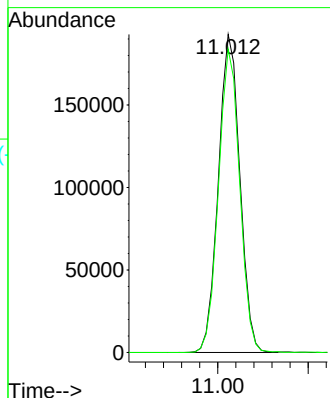
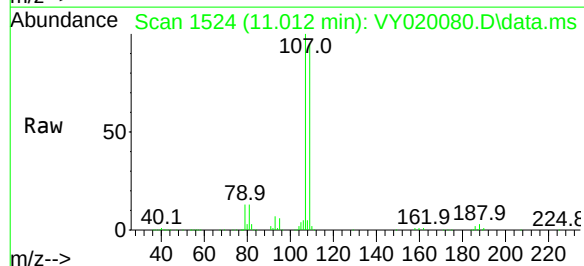
Ion Ratio Lower Upper

107 100

109 94.3 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#62

4-Bromofluorobenzene

Concen: 175.829 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

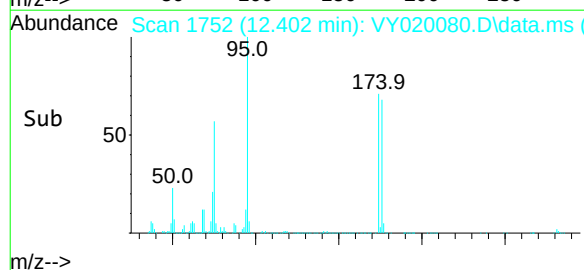
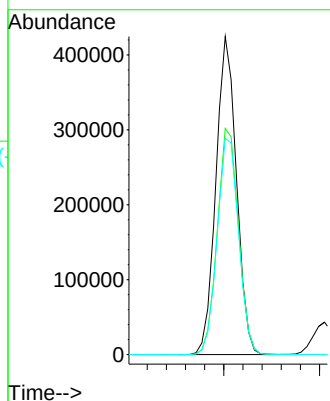
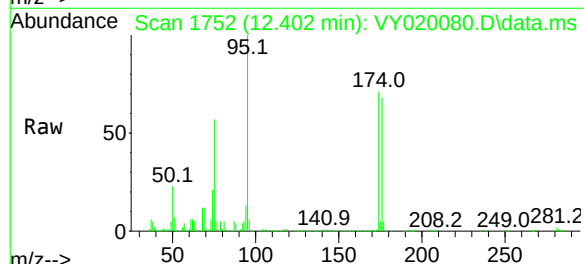
Tgt Ion: 95 Resp: 632951

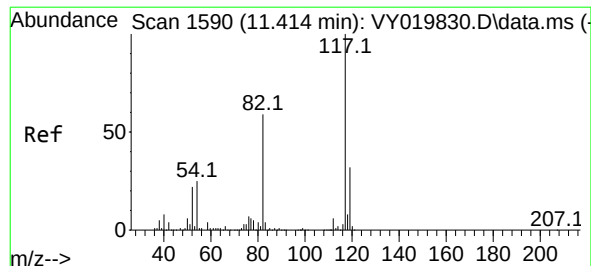
Ion Ratio Lower Upper

95 100

174 73.5 0.0 175.6

176 70.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 410851

Ion Ratio Lower Upper

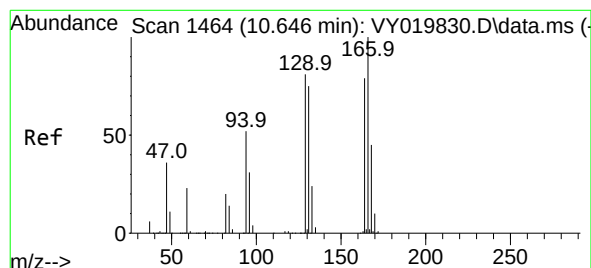
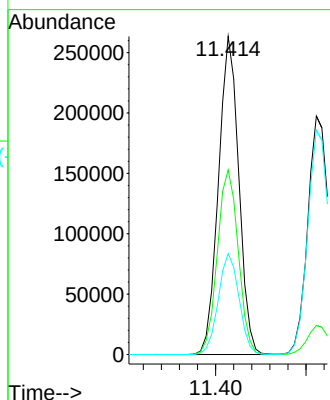
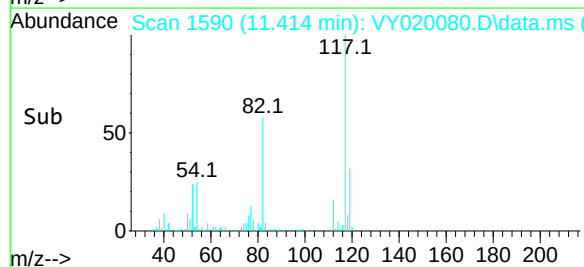
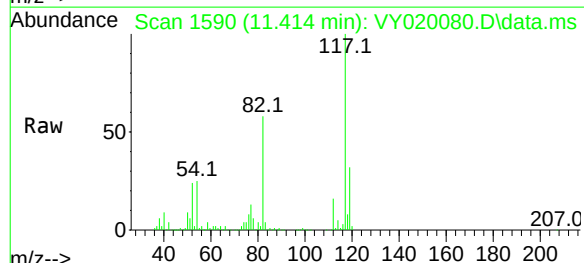
117 100

82 58.0 42.4 63.6

119 31.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#64

Tetrachloroethene

Concen: 159.062 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion:164 Resp: 422849

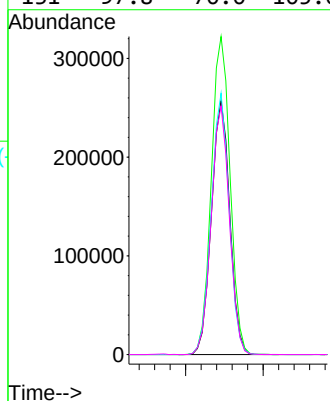
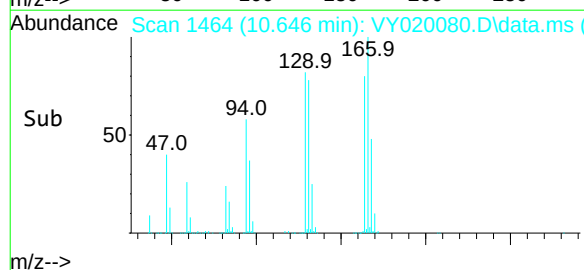
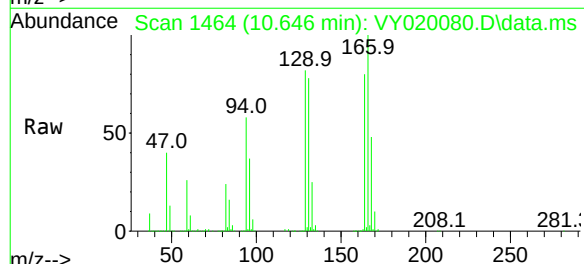
Ion Ratio Lower Upper

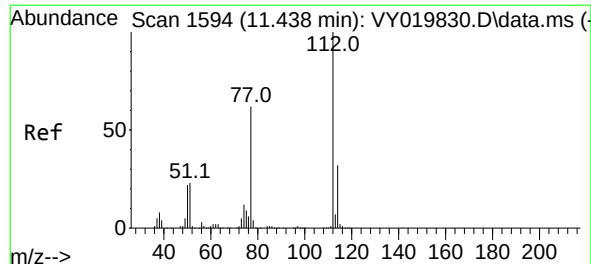
164 100

166 125.3 102.6 154.0

129 103.0 72.0 108.0

131 97.8 70.0 105.0





#65

Chlorobenzene

Concen: 162.267 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 1384836

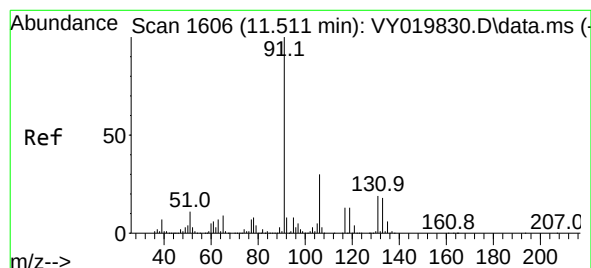
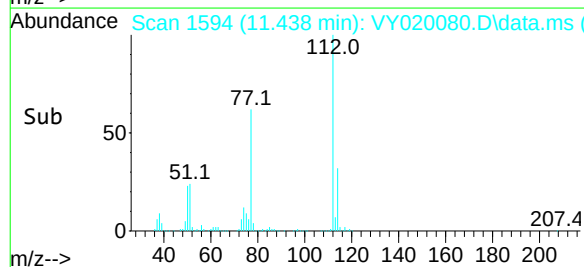
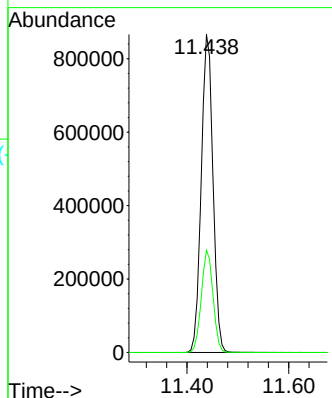
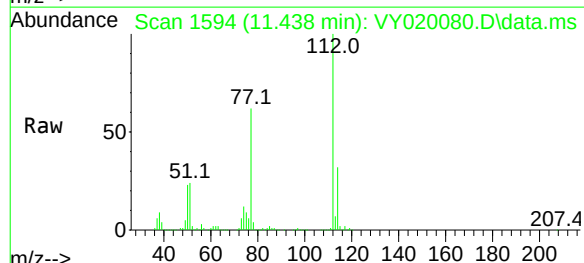
Ion Ratio Lower Upper

112 100

114 32.1 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#66

1,1,1,2-Tetrachloroethane

Concen: 169.965 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

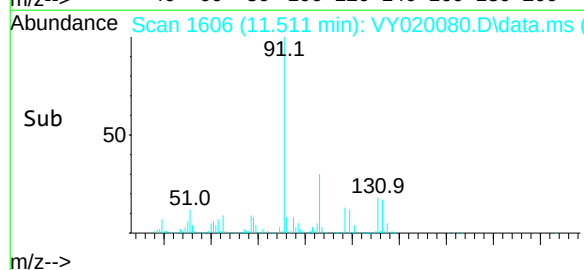
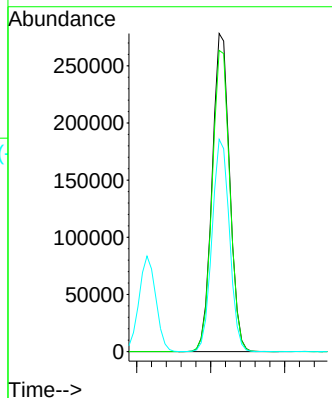
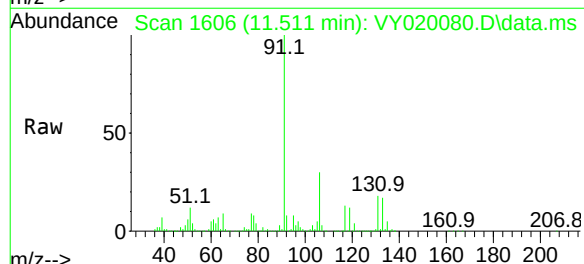
Tgt Ion:131 Resp: 456266

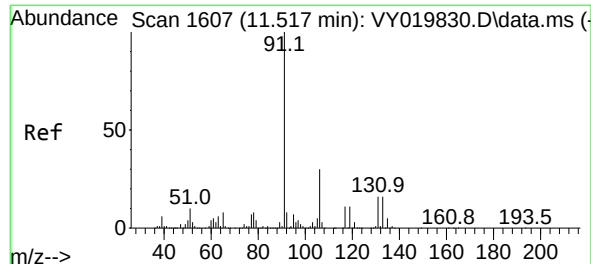
Ion Ratio Lower Upper

131 100

133 95.7 47.8 143.3

119 66.6 34.1 102.2





#67

Ethyl Benzene

Concen: 165.261 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2617908

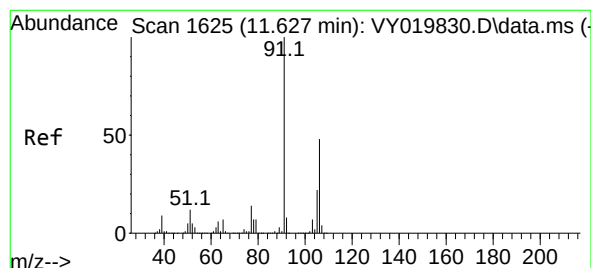
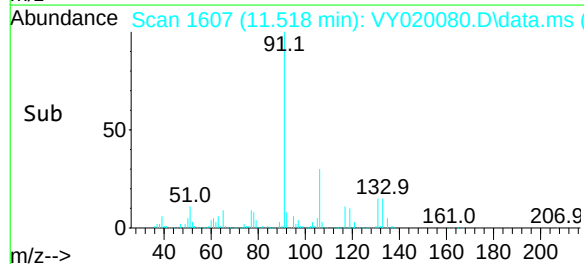
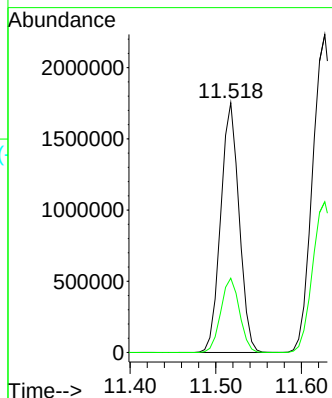
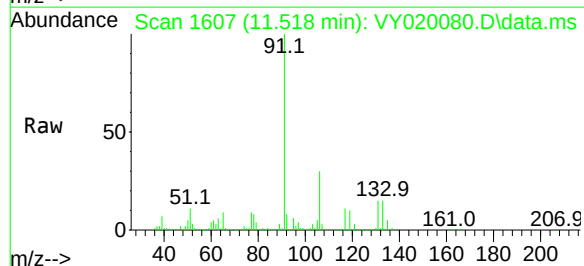
Ion Ratio Lower Upper

91 100

106 29.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#68

m/p-Xylenes

Concen: 333.611 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020080.D

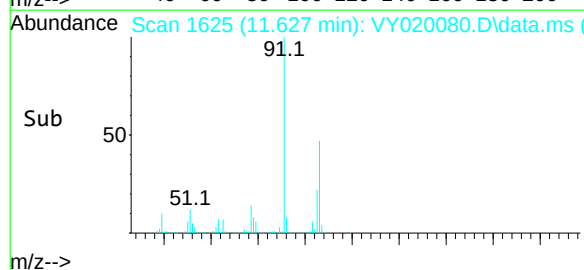
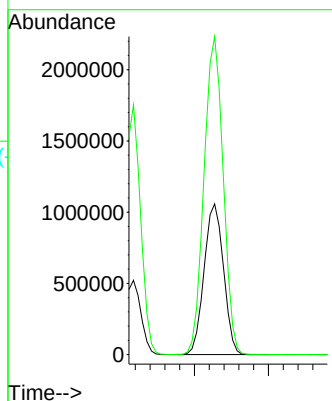
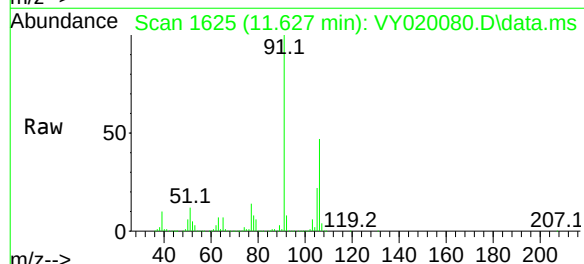
Acq: 30 Oct 2024 14:52

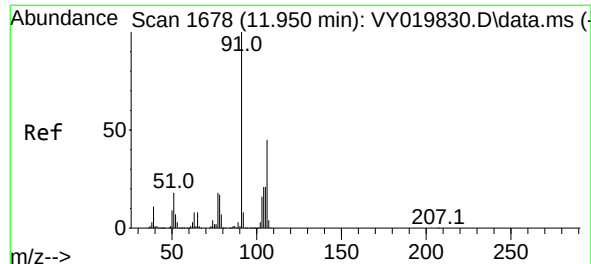
Tgt Ion:106 Resp: 1926635

Ion Ratio Lower Upper

106 100

91 208.4 156.0 234.0





#69

o-Xylene

Concen: 168.666 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:106 Resp: 917838

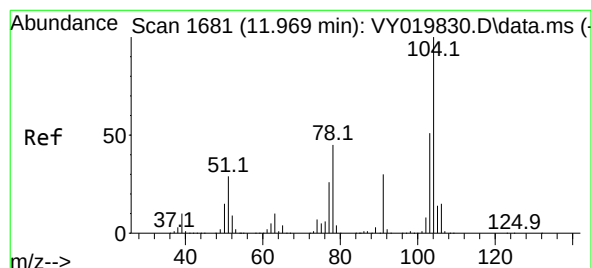
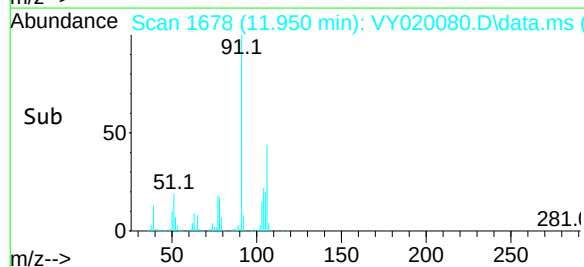
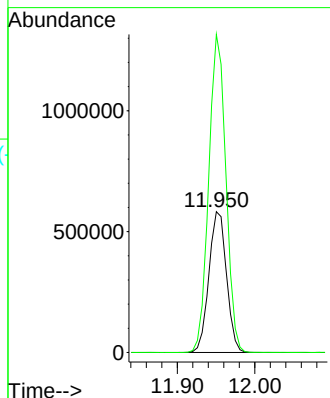
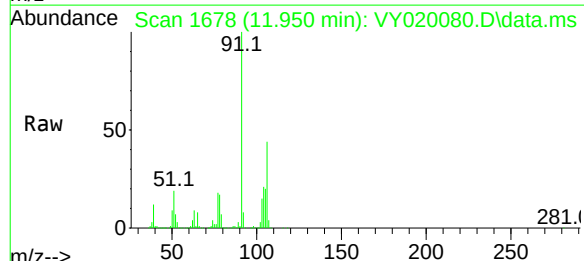
Ion Ratio Lower Upper

106 100

91 220.4 103.6 310.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#70

Styrene

Concen: 177.165 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

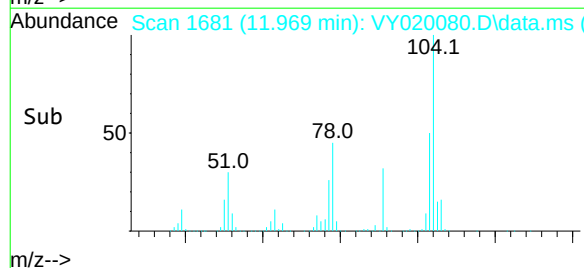
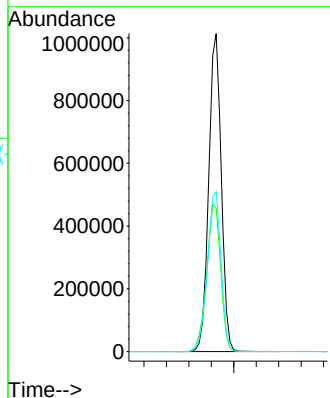
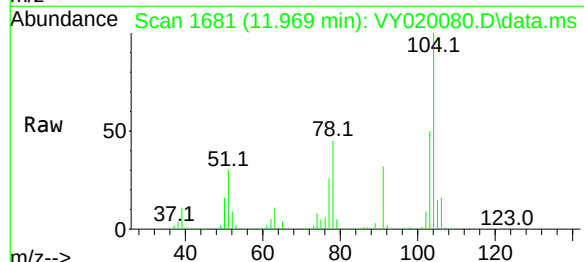
Tgt Ion:104 Resp: 1569103

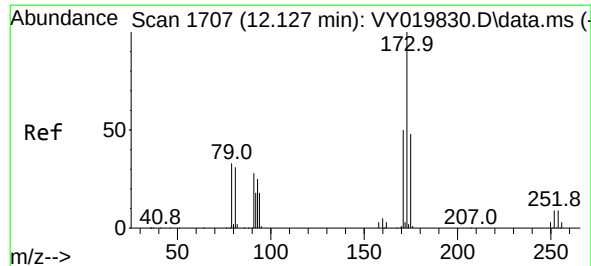
Ion Ratio Lower Upper

104 100

78 52.0 37.0 55.4

103 54.7 44.2 66.2





#71

Bromoform

Concen: 180.255 ug/l

RT: 12.127 min Scan# 1707

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

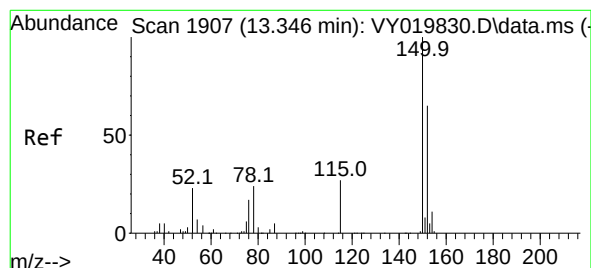
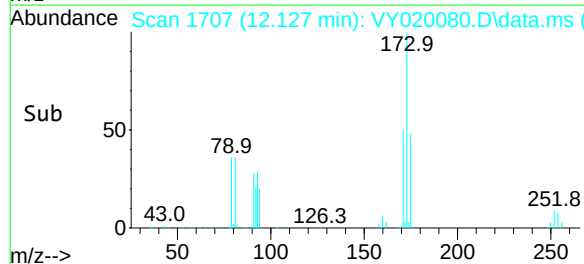
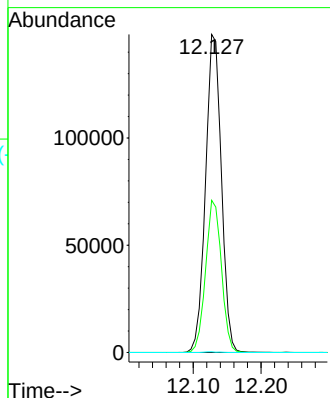
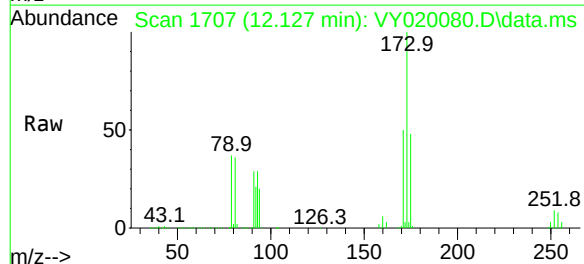
ClientSampleId :

VSTDICC150

Tgt Ion:	173	Resp:	240850
Ion Ratio	Lower	Upper	
173	100		
175	47.8	25.1	75.3
254	0.2	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

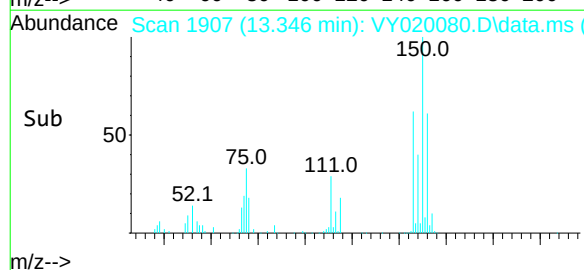
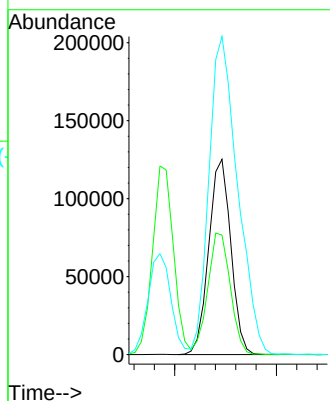
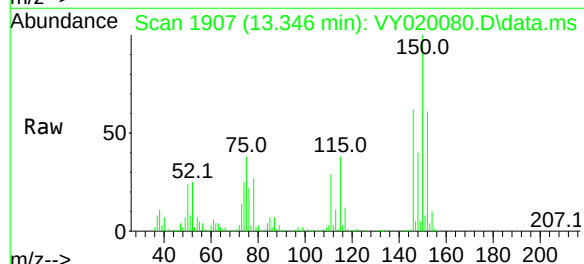
RT: 13.346 min Scan# 1907

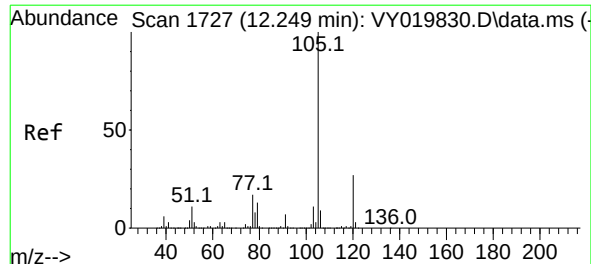
Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion:	152	Resp:	189466
Ion Ratio	Lower	Upper	
152	100		
115	63.2	28.2	84.7
150	210.6	0.0	345.6





#73

Isopropylbenzene

Concen: 165.379 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 105 Resp: 2439942

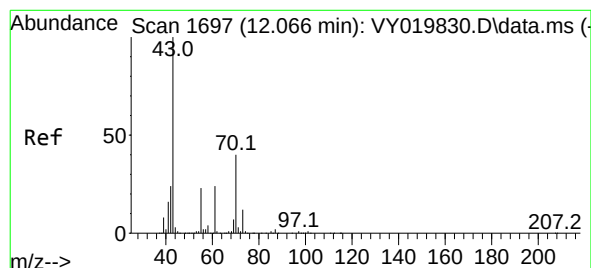
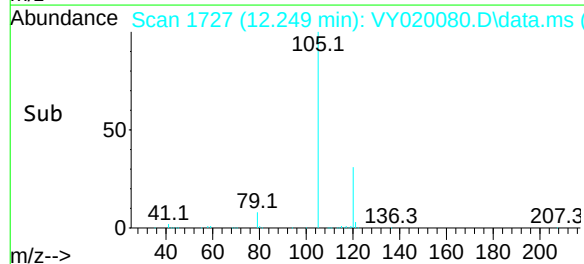
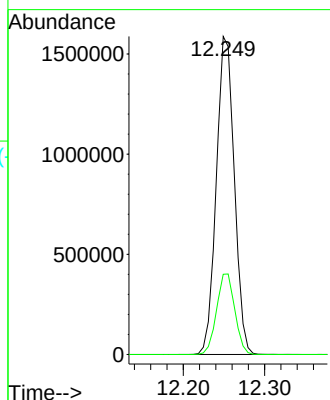
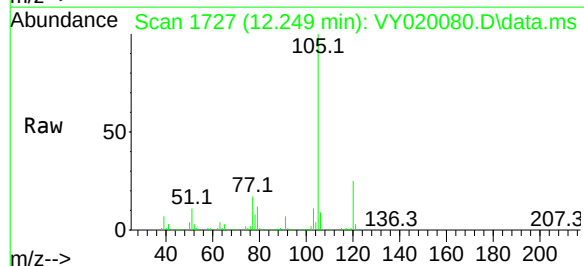
Ion Ratio Lower Upper

105 100

120 25.6 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#74

N-ethyl acetate

Concen: 191.782 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion: 43 Resp: 665656

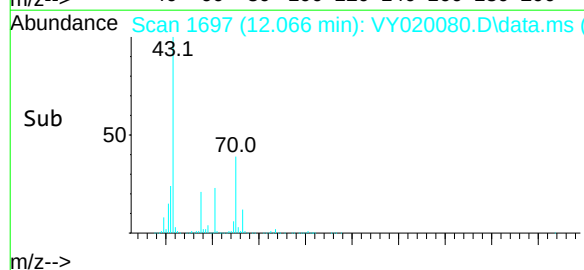
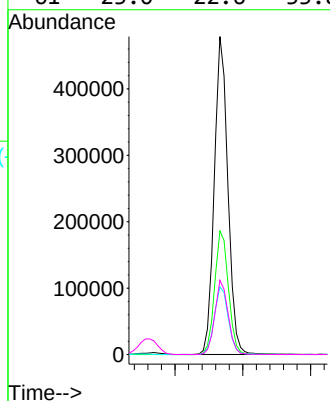
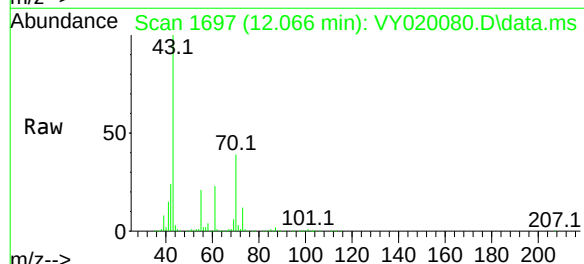
Ion Ratio Lower Upper

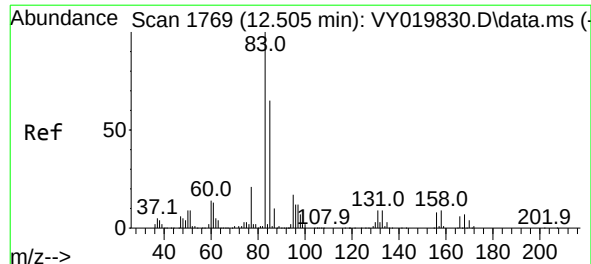
43 100

70 39.7 41.4 62.2#

55 22.2 23.3 34.9#

61 23.0 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 157.141 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

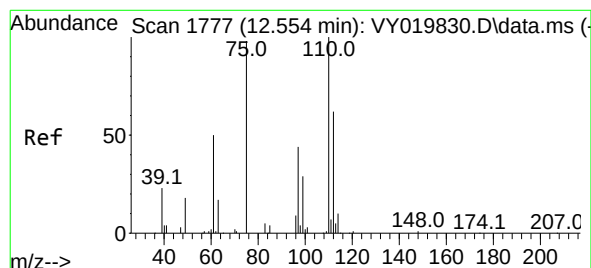
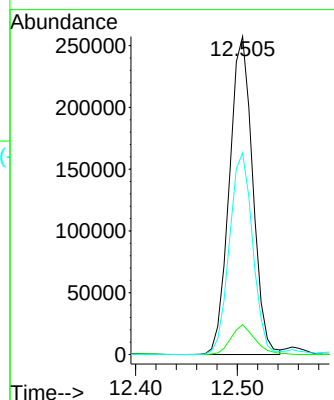
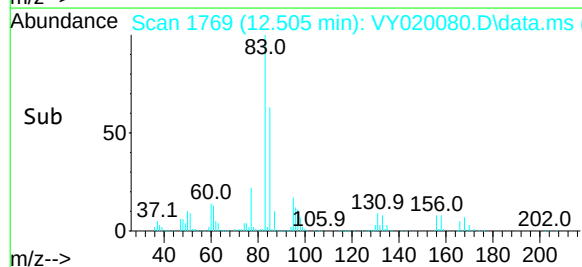
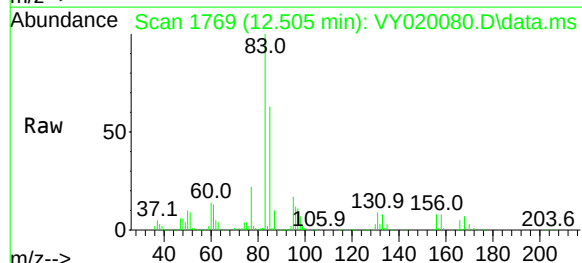
ClientSampleId :

VSTDICC150

Tgt Ion:	83	Resp:	408694
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.4	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#76

1,2,3-Trichloropropane

Concen: 85.825 ug/l m

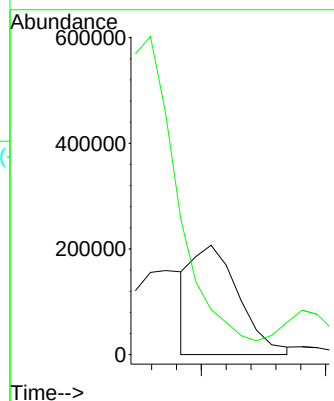
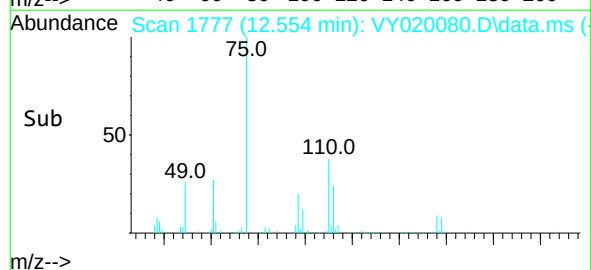
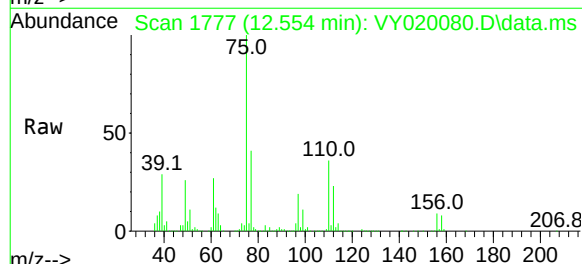
RT: 12.554 min Scan# 1777

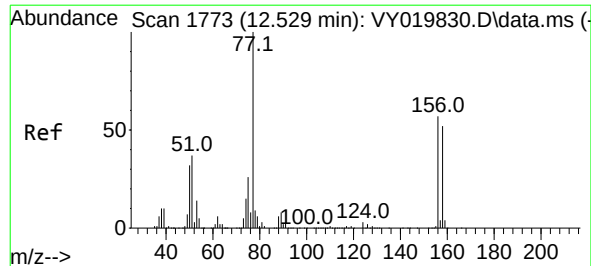
Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion:	75	Resp:	271515
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





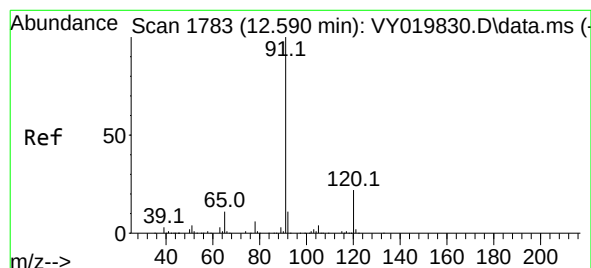
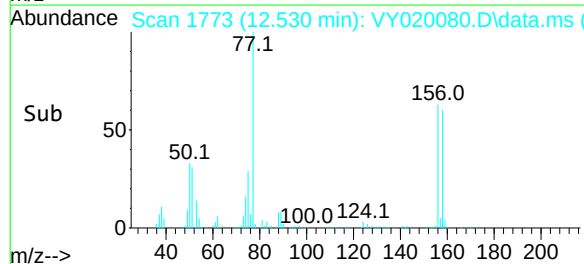
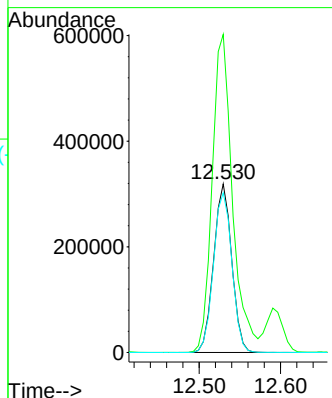
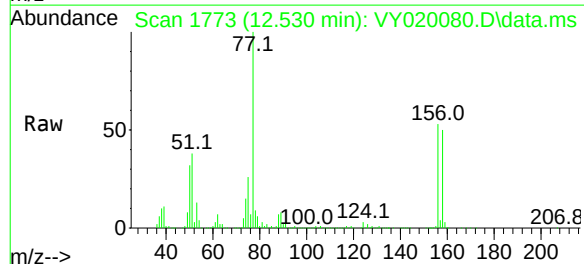
#77
Bromobenzene
Concen: 165.517 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion: 156 Resp: 492096
Ion Ratio Lower Upper
156 100
77 212.3 87.1 261.3
158 96.9 48.6 145.9

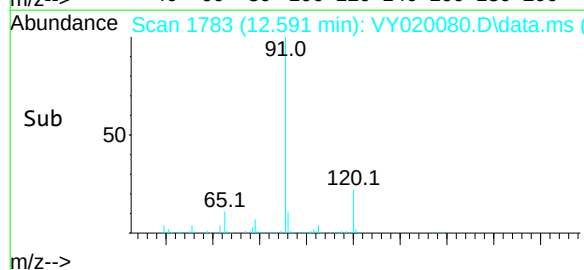
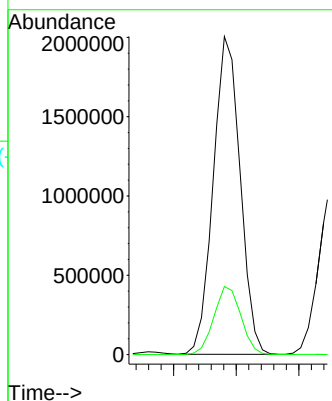
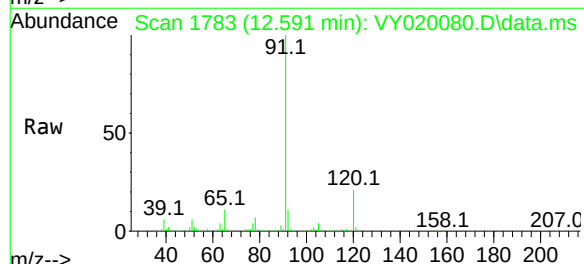
Manual Integrations
APPROVED

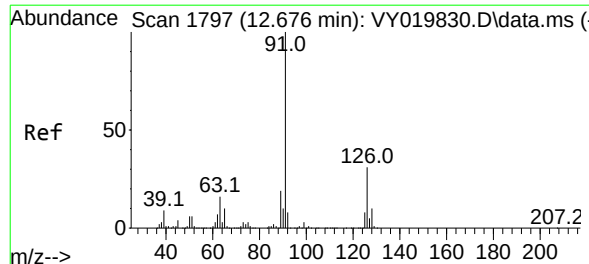
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#78
n-propylbenzene
Concen: 162.082 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Tgt Ion: 91 Resp: 2991377
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 164.578 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1681376

Ion Ratio Lower Upper

91 100

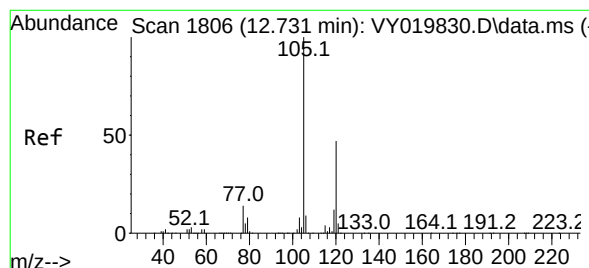
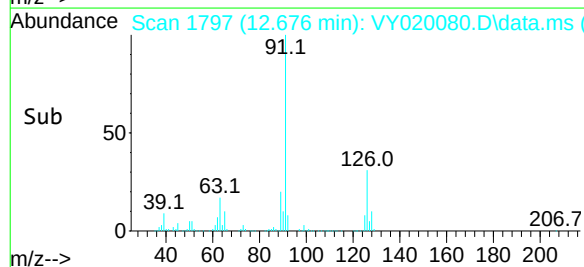
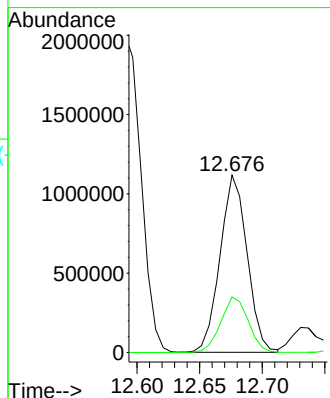
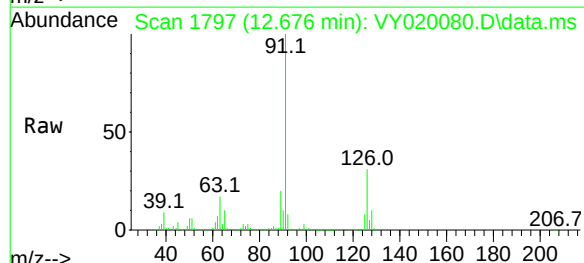
126 31.8 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#80

1,3,5-Trimethylbenzene

Concen: 166.529 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY020080.D

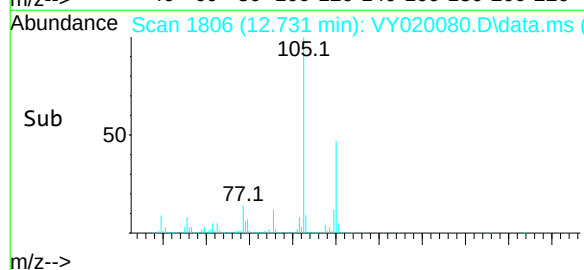
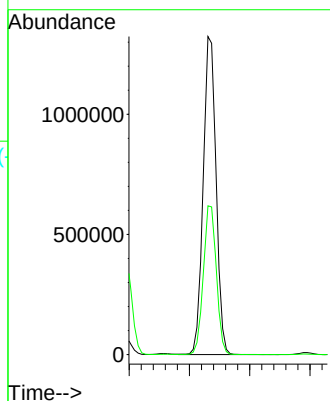
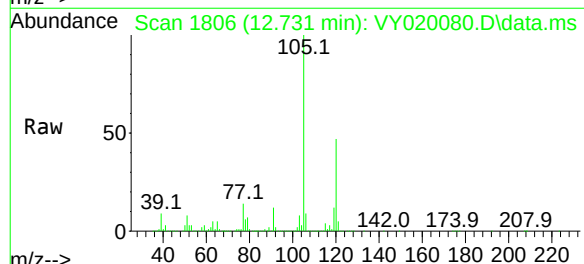
Acq: 30 Oct 2024 14:52

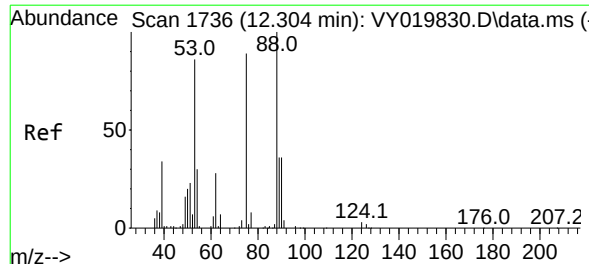
Tgt Ion:105 Resp: 1967127

Ion Ratio Lower Upper

105 100

120 47.3 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 176.265 ug/l

RT: 12.298 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 137971

Ion Ratio Lower Upper

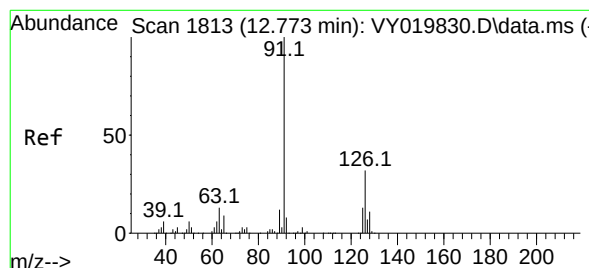
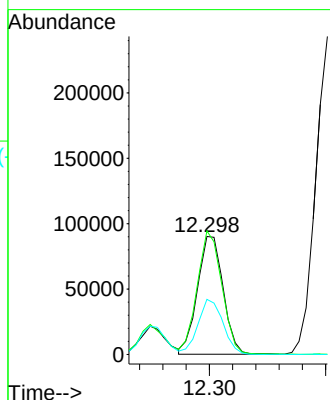
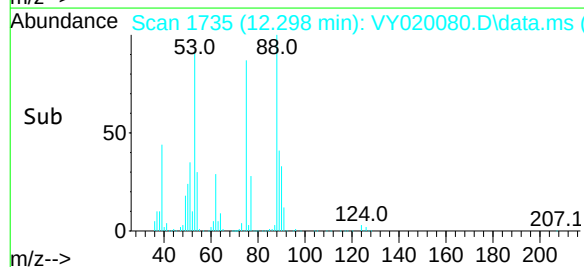
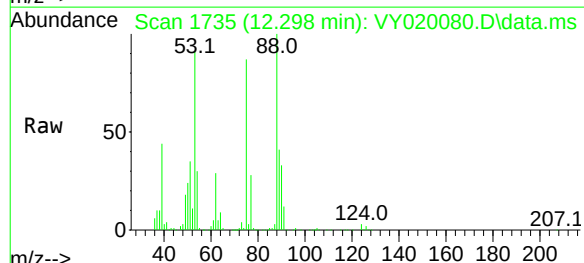
75 100

53 100.9 66.8 100.2

89 45.7 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#82

4-Chlorotoluene

Concen: 165.709 ug/l

RT: 12.773 min Scan# 1813

Delta R.T. -0.006 min

Lab File: VY020080.D

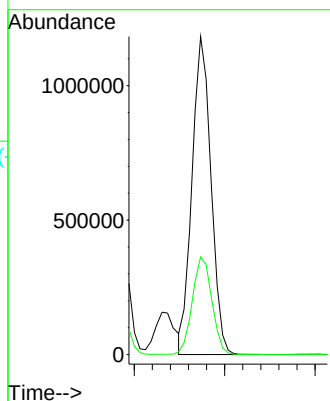
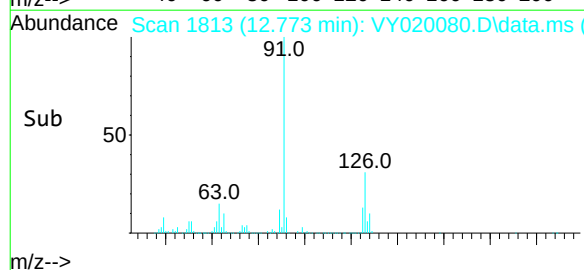
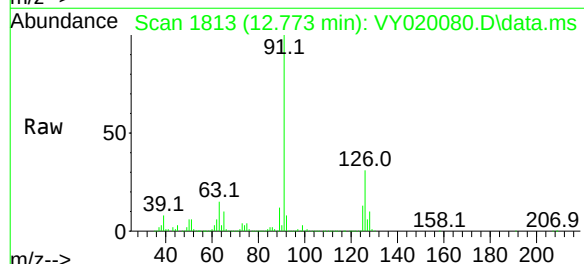
Acq: 30 Oct 2024 14:52

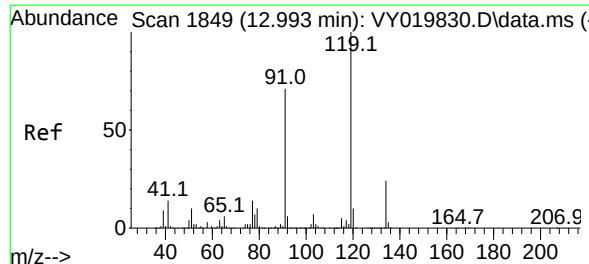
Tgt Ion: 91 Resp: 1719250

Ion Ratio Lower Upper

91 100

126 31.7 17.6 52.9





#83

tert-Butylbenzene

Concen: 166.274 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 1718909

Ion Ratio Lower Upper

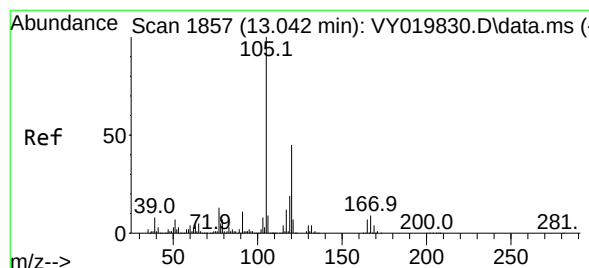
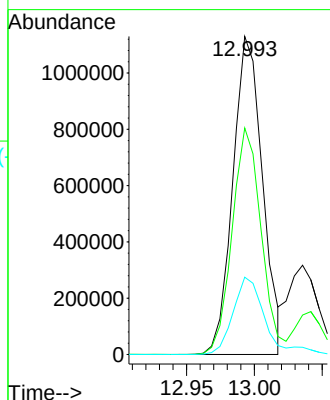
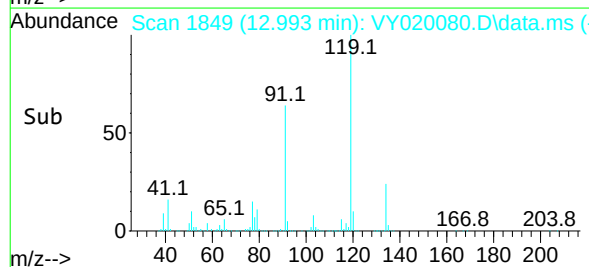
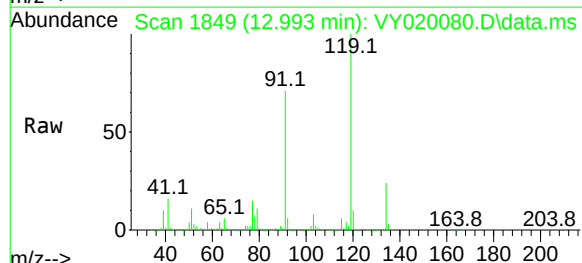
119 100

91 69.9 31.3 93.8

134 26.1 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#84

1,2,4-Trimethylbenzene

Concen: 170.976 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020080.D

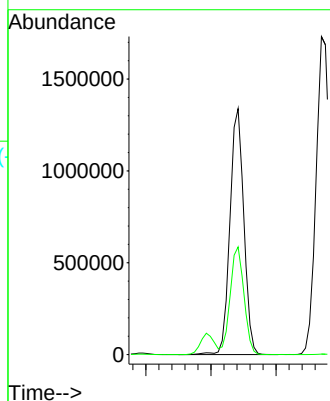
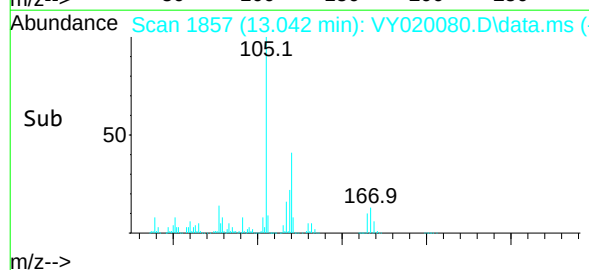
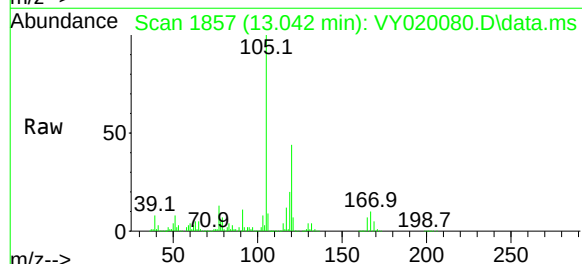
Acq: 30 Oct 2024 14:52

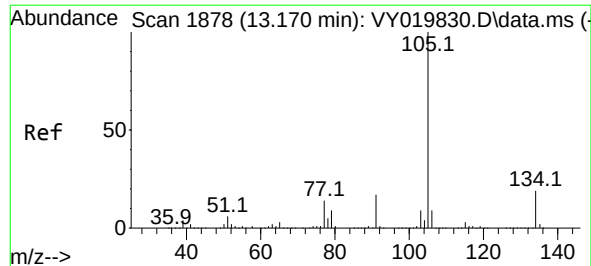
Tgt Ion:105 Resp: 1981367

Ion Ratio Lower Upper

105 100

120 43.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 164.305 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 2613388

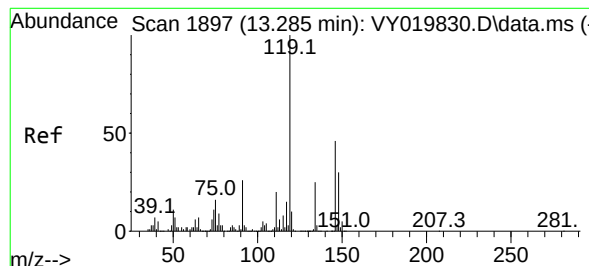
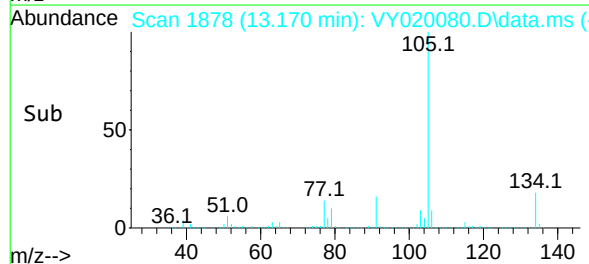
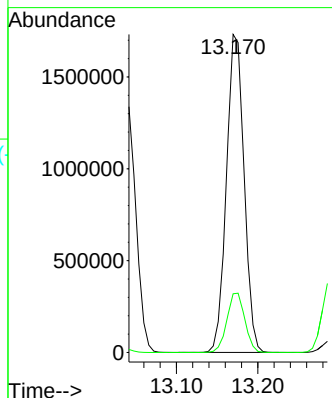
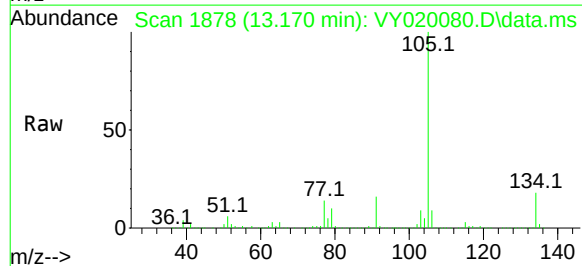
Ion Ratio Lower Upper

105 100

134 18.9 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#86

p-Isopropyltoluene

Concen: 171.493 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

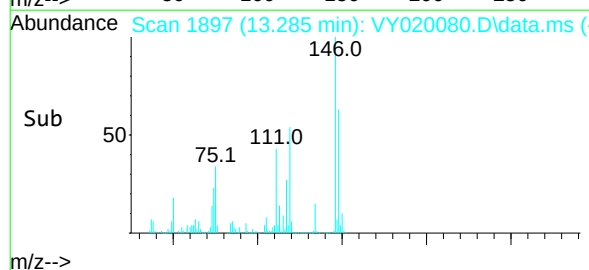
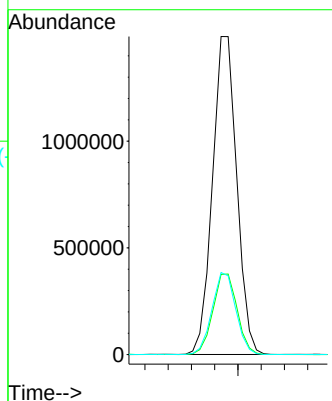
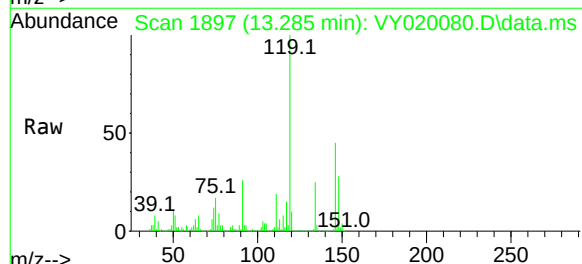
Tgt Ion:119 Resp: 2161709

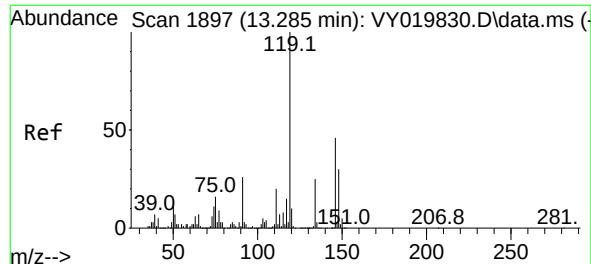
Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.3

91 25.3 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 167.149 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 1008488

Ion Ratio Lower Upper

146 100

111 42.7 19.0 57.0

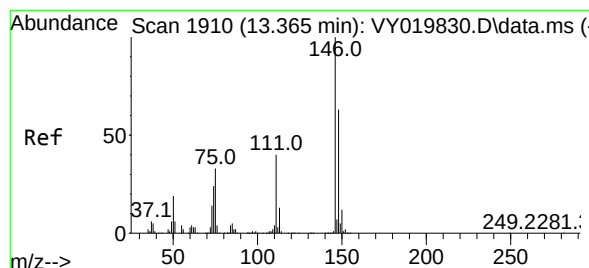
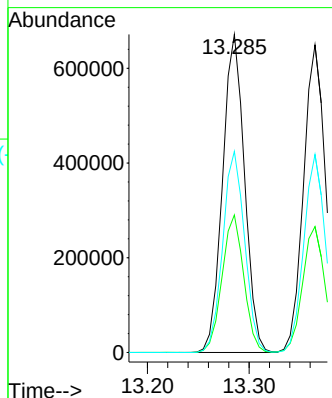
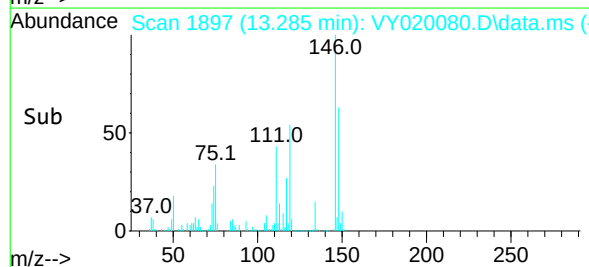
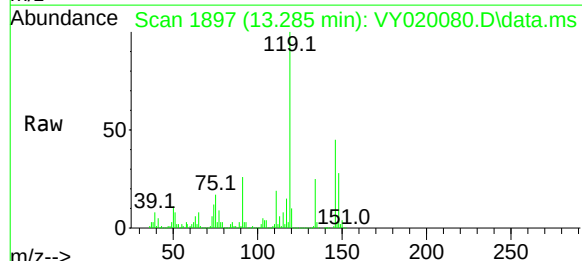
148 63.1 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024

Supervised By :Mahesh Dadoda 11/01/2024



#88

1,4-Dichlorobenzene

Concen: 160.247 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

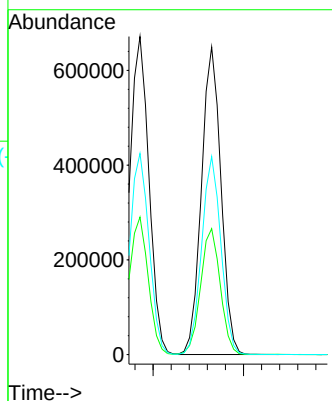
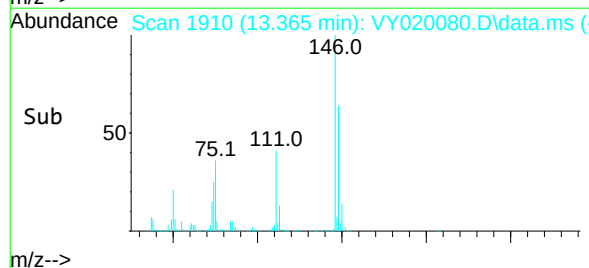
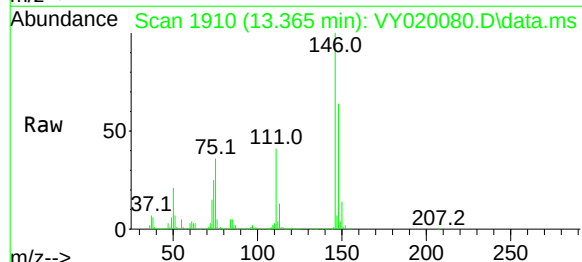
Tgt Ion:146 Resp: 975162

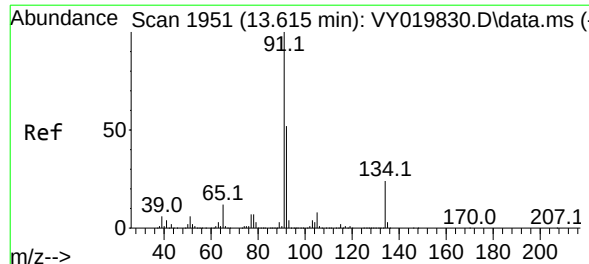
Ion Ratio Lower Upper

146 100

111 41.1 18.4 55.4

148 63.6 32.4 97.2





#89

n-Butylbenzene

Concen: 171.071 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 2158102

Ion Ratio Lower Upper

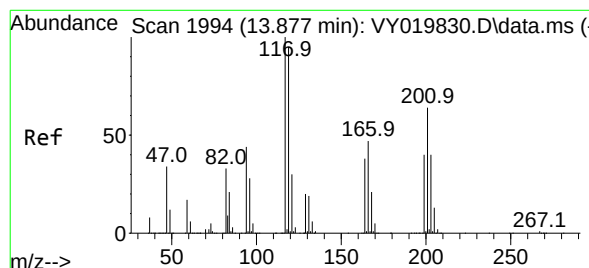
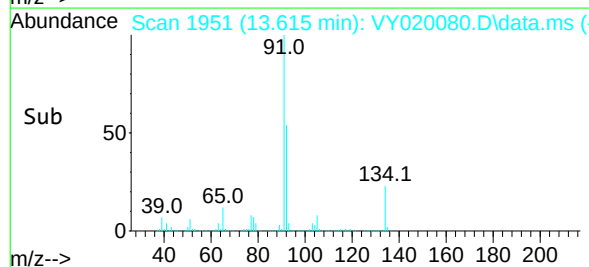
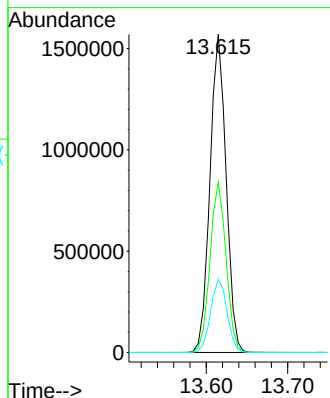
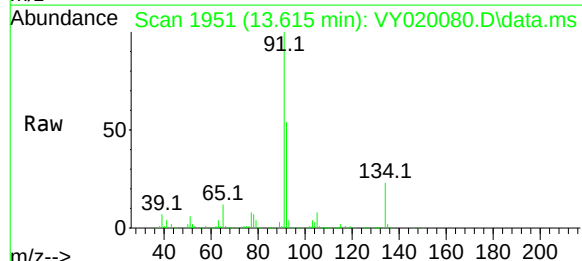
91 100

92 53.3 26.6 79.7

134 23.5 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#90

Hexachloroethane

Concen: 168.105 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY020080.D

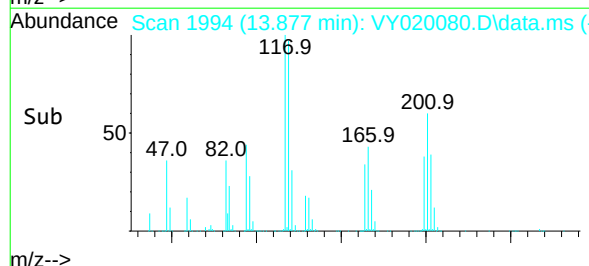
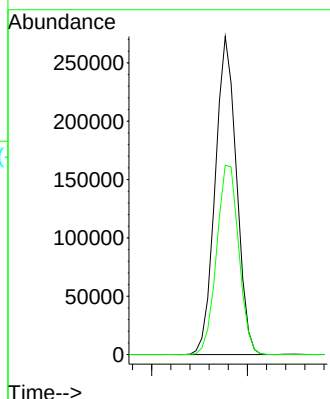
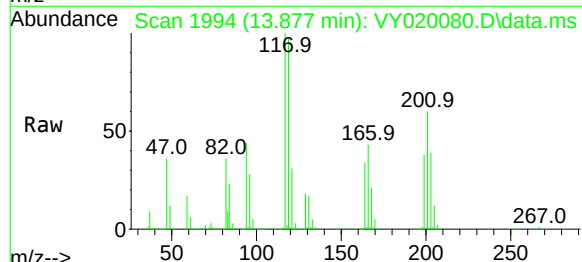
Acq: 30 Oct 2024 14:52

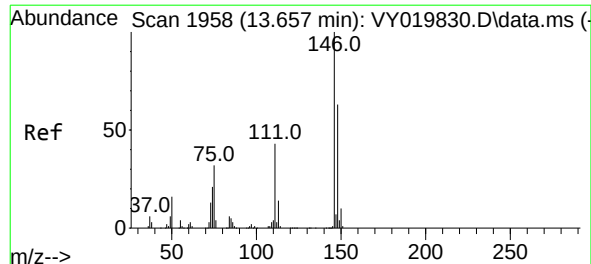
Tgt Ion:117 Resp: 421230

Ion Ratio Lower Upper

117 100

201 62.0 37.4 112.2





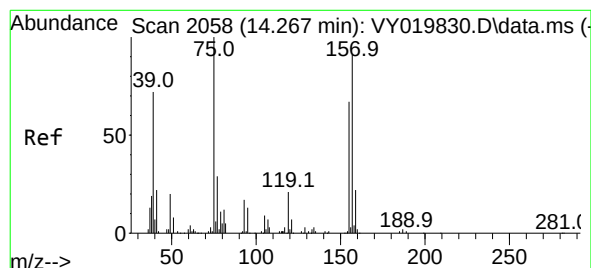
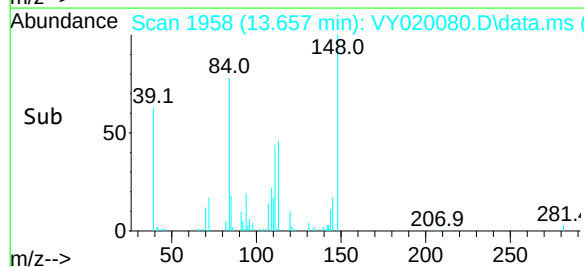
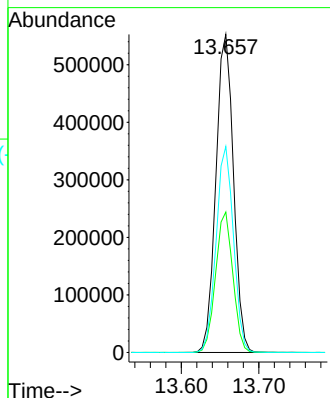
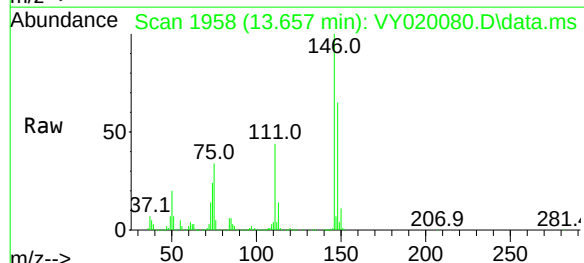
#91
1,2-Dichlorobenzene
Concen: 165.525 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	19.9	59.7
148	64.0	31.8	95.4

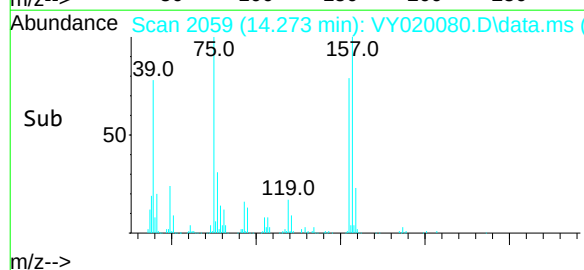
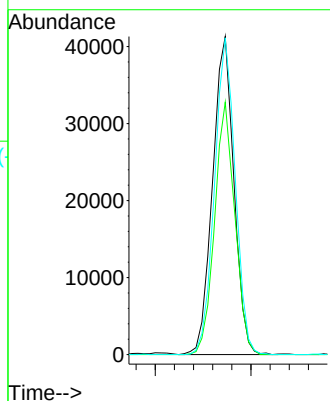
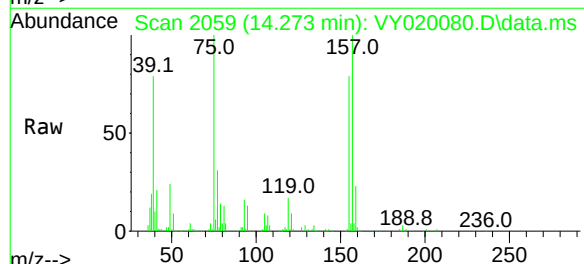
Manual Integrations
APPROVED

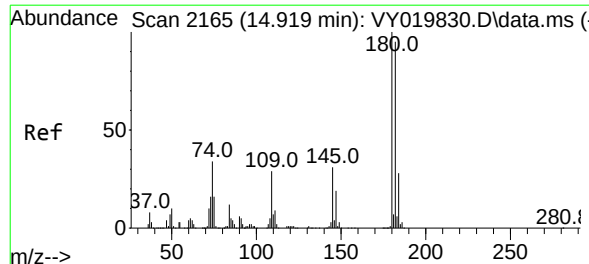
Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 164.750 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020080.D
Acq: 30 Oct 2024 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	48.6	145.8
157	96.8	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 189.243 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

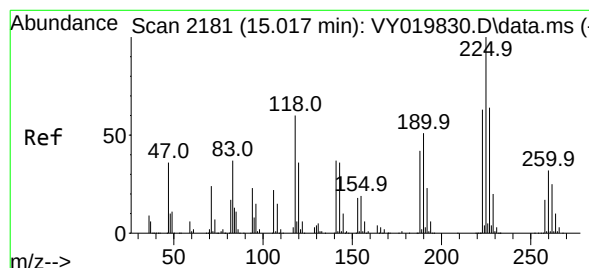
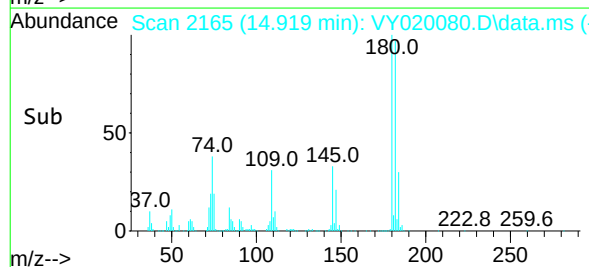
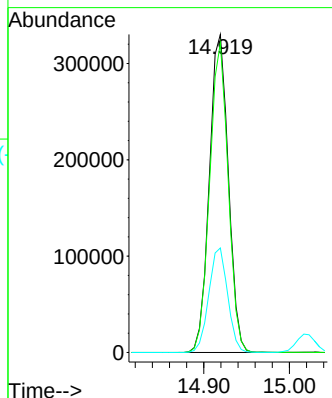
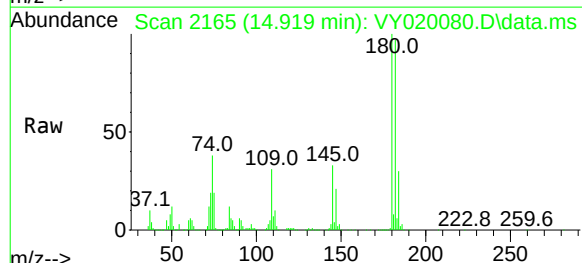
ClientSampleId :

VSTDIC150

Tgt Ion:	180	Resp:	508720
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.8
145	32.7	14.2	42.6

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



#94

Hexachlorobutadiene

Concen: 170.763 ug/l

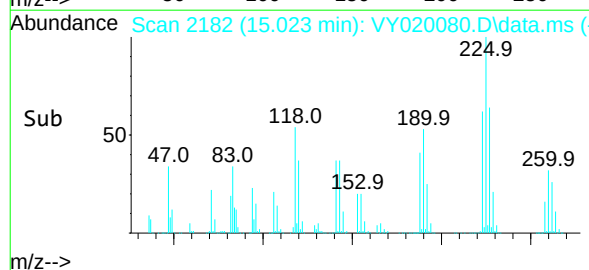
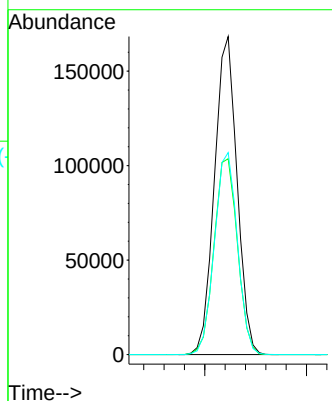
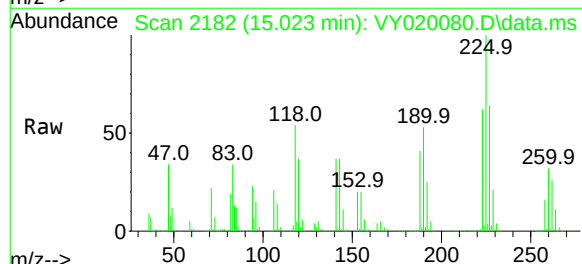
RT: 15.023 min Scan# 2182

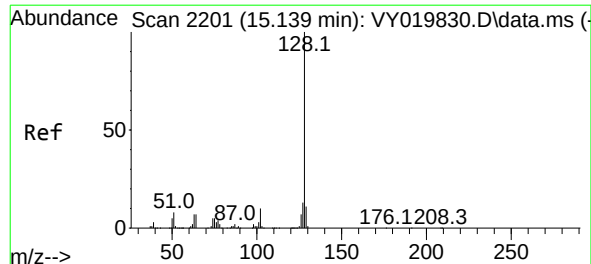
Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Tgt Ion:	225	Resp:	259405
Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.4	91.2
227	64.6	31.9	95.9





#95

Naphthalene

Concen: 208.860 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 1003119

Ion Ratio Lower Upper

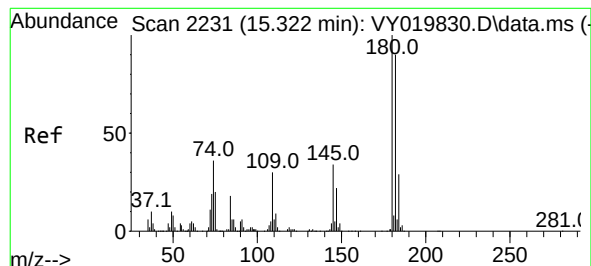
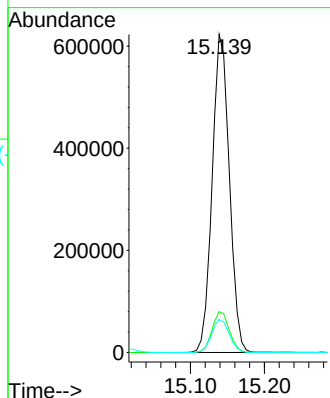
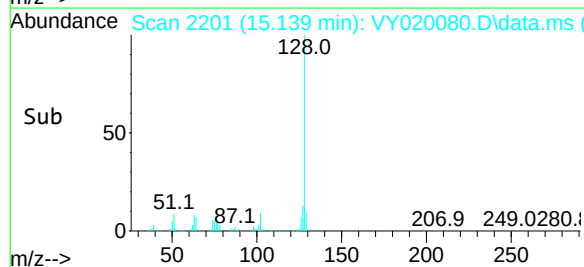
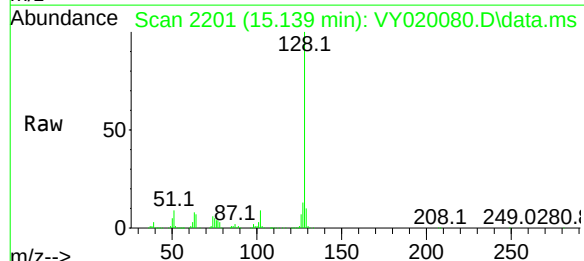
128 100

127 12.9 10.6 16.0

129 10.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

#96

1,2,3-Trichlorobenzene

Concen: 187.541 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020080.D

Acq: 30 Oct 2024 14:52

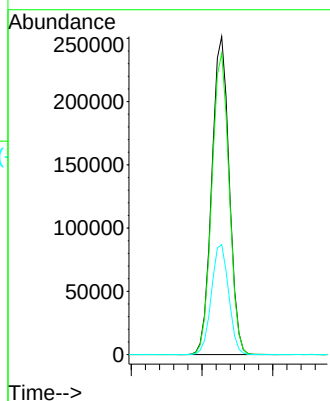
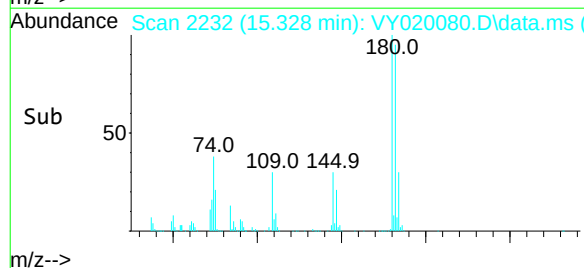
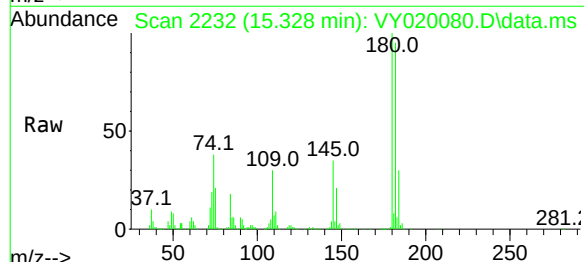
Tgt Ion:180 Resp: 428513

Ion Ratio Lower Upper

180 100

182 94.3 47.6 142.9

145 34.4 15.4 46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020084.D
 Acq On : 31 Oct 2024 10:43
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024

Quant Time: Nov 01 04:31:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268972	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	478224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	195216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	189750	56.525	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	113.040%	
35) Dibromofluoromethane	7.634	113	168487	55.414	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	110.820%	
50) Toluene-d8	10.103	98	670000	55.359	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	110.720%	
62) 4-Bromofluorobenzene	12.402	95	223767	56.922	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	113.840%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	115208	46.271	ug/l	97
3) Chloromethane	2.068	50	182169	44.171	ug/l	100
4) Vinyl Chloride	2.202	62	197796	44.675	ug/l	99
5) Bromomethane	2.598	94	126006	42.867	ug/l	98
6) Chloroethane	2.739	64	126056	44.117	ug/l	98
7) Trichlorofluoromethane	3.062	101	246291	45.537	ug/l	98
8) Diethyl Ether	3.458	74	73740	48.883	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.818	101	141171	46.535	ug/l	91
10) Methyl Iodide	4.007	142	146540	50.033	ug/l	91
11) Tert butyl alcohol	4.866	59	53186	220.262	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	137418	47.344	ug/l #	82
13) Acrolein	3.653	56	71311	237.238	ug/l	98
14) Allyl chloride	4.385	41	252324	48.183	ug/l #	90
15) Acrylonitrile	5.061	53	172582	251.330	ug/l	98
16) Acetone	3.873	43	213437	273.401	ug/l #	85
17) Carbon Disulfide	4.104	76	452065	46.801	ug/l	99
18) Methyl Acetate	4.391	43	90071	49.174	ug/l	90
19) Methyl tert-butyl Ether	5.116	73	363241	49.744	ug/l	96
20) Methylene Chloride	4.616	84	152399	43.456	ug/l #	83
21) trans-1,2-Dichloroethene	5.116	96	155135	47.392	ug/l #	81
22) Diisopropyl ether	6.019	45	529962	48.767	ug/l #	90
23) Vinyl Acetate	5.964	43	1547055	252.963	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	296154	47.064	ug/l	97
25) 2-Butanone	6.890	43	272203	257.223	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	246168	47.018	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	175929	46.753	ug/l	81
28) Bromochloromethane	7.244	49	141202	47.922	ug/l #	74
29) Tetrahydrofuran	7.262	42	156162	255.705	ug/l #	81
30) Chloroform	7.421	83	292058	46.772	ug/l	97
31) Cyclohexane	7.701	56	266285	43.711	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	258957	47.501	ug/l	95
36) 1,1-Dichloropropene	7.835	75	218144	46.444	ug/l	94
37) Ethyl Acetate	6.988	43	110127	49.179	ug/l	98
38) Carbon Tetrachloride	7.817	117	222693	47.149	ug/l	99
39) Methylcyclohexane	9.109	83	279272	46.848	ug/l #	89
40) Benzene	8.079	78	646271	47.140	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020084.D
 Acq On : 31 Oct 2024 10:43
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024

Quant Time: Nov 01 04:31:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	53908	48.057	ug/l	89
42) 1,2-Dichloroethane	8.158	62	182141	47.998	ug/l	94
43) Isopropyl Acetate	8.195	43	216661	50.314	ug/l #	77
44) Trichloroethene	8.866	130	150791	47.457	ug/l	92
45) 1,2-Dichloropropane	9.140	63	161282	49.171	ug/l	95
46) Dibromomethane	9.231	93	83788	47.144	ug/l	90
47) Bromodichloromethane	9.420	83	222464	47.780	ug/l	98
48) Methyl methacrylate	9.219	41	102929	51.604	ug/l #	81
49) 1,4-Dioxane	9.225	88	18529	1012.632	ug/l #	82
51) 4-Methyl-2-Pentanone	10.000	43	568563	256.244	ug/l	88
52) Toluene	10.170	92	404514	47.867	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	201863	49.098	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	241963	49.306	ug/l #	81
55) 1,1,2-Trichloroethane	10.573	97	110724	50.106	ug/l	97
56) Ethyl methacrylate	10.438	69	160860	50.747	ug/l #	73
57) 1,3-Dichloropropane	10.713	76	196046	48.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	397151	254.054	ug/l	92
59) 2-Hexanone	10.762	43	418906	263.341	ug/l	87
60) Dibromochloromethane	10.908	129	139046	49.363	ug/l	100
61) 1,2-Dibromoethane	11.012	107	99455	48.443	ug/l	99
64) Tetrachloroethene	10.646	164	133121	48.320	ug/l	93
65) Chlorobenzene	11.438	112	418677	47.091	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	137443	48.387	ug/l	98
67) Ethyl Benzene	11.518	91	792892	47.708	ug/l	98
68) m/p-Xylenes	11.627	106	582919	95.866	ug/l	91
69) o-Xylene	11.950	106	275864	47.919	ug/l	91
70) Styrene	11.969	104	461614	48.497	ug/l	95
71) Bromoform	12.133	173	72230	49.567	ug/l #	98
73) Isopropylbenzene	12.255	105	745963	47.834	ug/l	97
74) N-amyl acetate	12.066	43	199760	51.243	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	129555	47.502	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	89680m	49.007	ug/l	
77) Bromobenzene	12.530	156	152625	48.392	ug/l	84
78) n-propylbenzene	12.591	91	919688	47.385	ug/l	96
79) 2-Chlorotoluene	12.676	91	508597	47.208	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	598955	47.840	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	42073	49.454	ug/l #	82
82) 4-Chlorotoluene	12.773	91	526060	47.890	ug/l	94
83) tert-Butylbenzene	12.993	119	538319	49.171	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	596361	48.091	ug/l	96
85) sec-Butylbenzene	13.176	105	803695	47.819	ug/l	98
86) p-Isopropyltoluene	13.292	119	645311	47.847	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	302894	47.274	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	302974	47.484	ug/l	96
89) n-Butylbenzene	13.615	91	651898	48.218	ug/l	98
90) Hexachloroethane	13.877	117	124311	46.606	ug/l	84
91) 1,2-Dichlorobenzene	13.657	146	265185	47.617	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19553	47.273	ug/l	73
93) 1,2,4-Trichlorobenzene	14.919	180	139241	46.542	ug/l	97
94) Hexachlorobutadiene	15.023	225	75535	46.172	ug/l	99
95) Naphthalene	15.145	128	271331	48.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	114461	45.071	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020084.D
Acq On : 31 Oct 2024 10:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

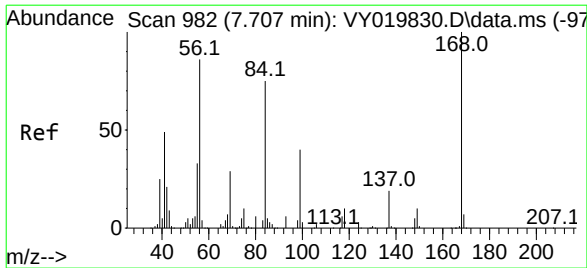
Quant Time: Nov 01 04:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

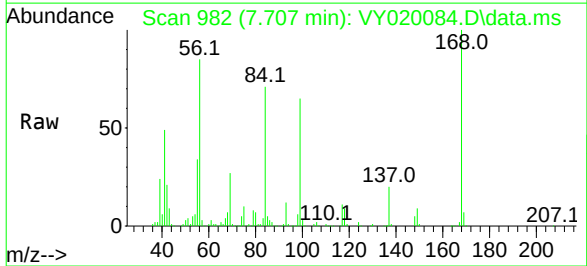
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

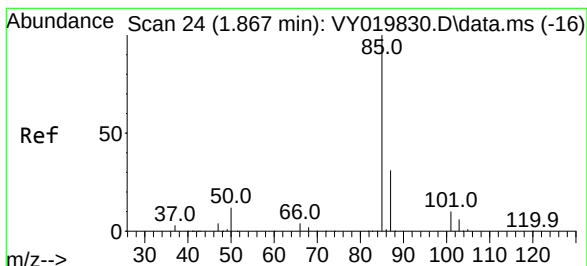
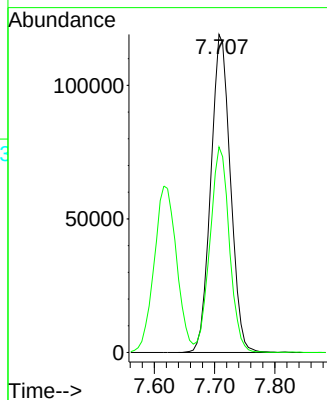
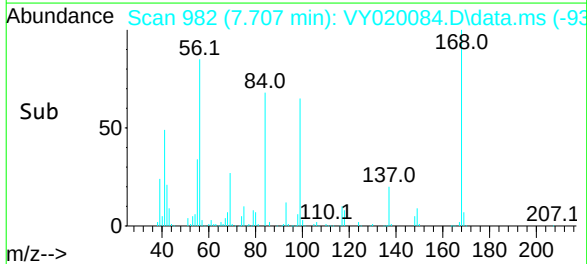
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



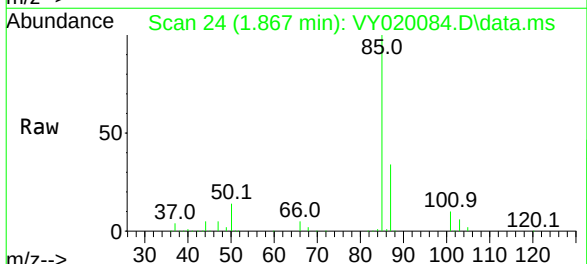
Tgt Ion: 168 Resp: 268972
Ion Ratio Lower Upper
168 100
99 64.6 39.1 58.7#

Manual Integrations
APPROVED

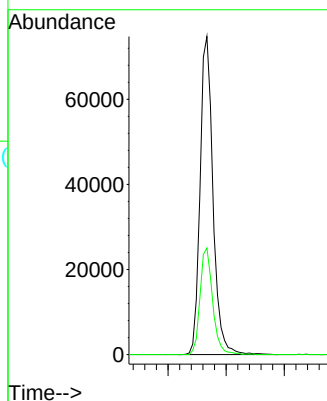
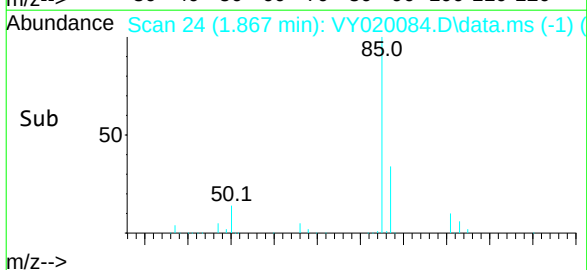
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

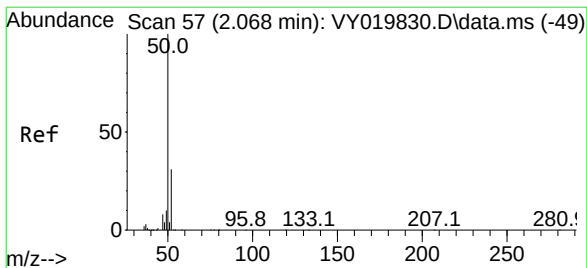


#2
Dichlorodifluoromethane
Concen: 46.271 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



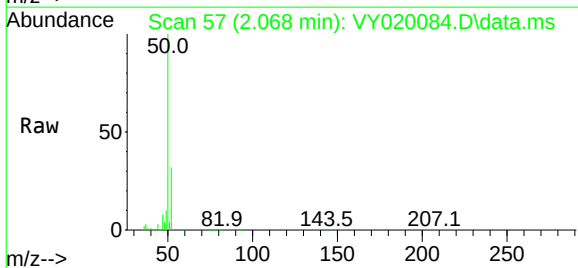
Tgt Ion: 85 Resp: 115208
Ion Ratio Lower Upper
85 100
87 33.5 16.0 48.0





#3
Chloromethane
Concen: 44.171 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

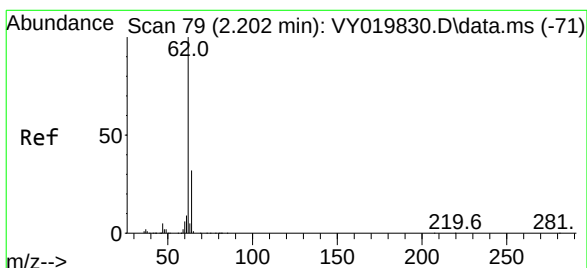
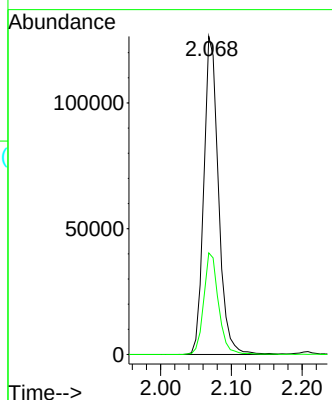
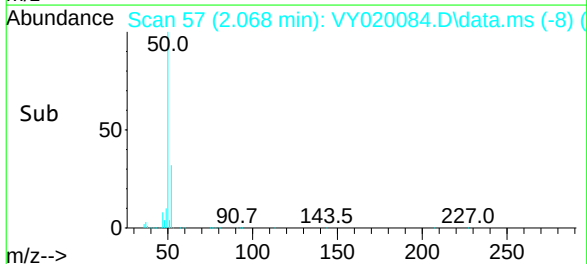
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



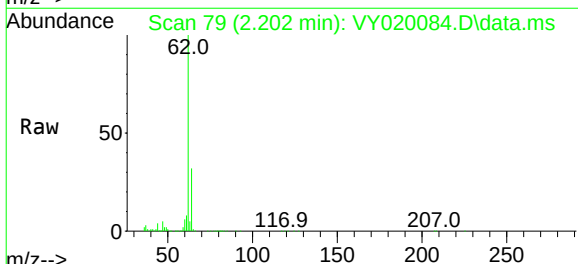
Tgt Ion: 50 Resp: 182169
Ion Ratio Lower Upper
50 100
52 31.9 25.6 38.4

Manual Integrations
APPROVED

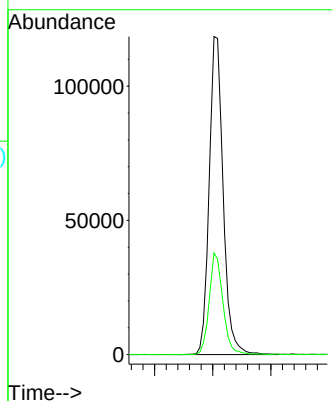
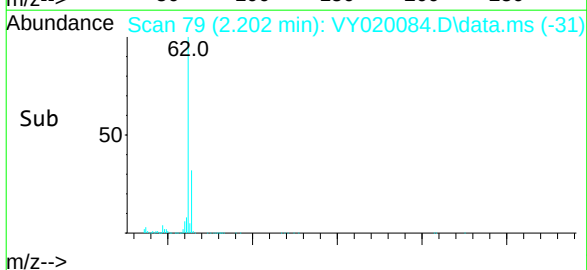
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

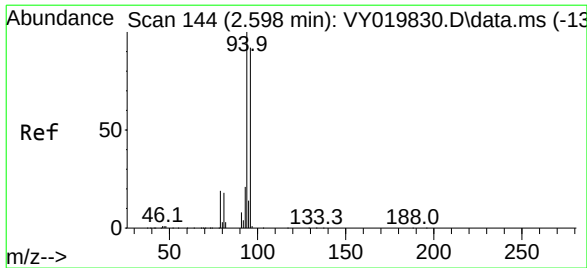


#4
Vinyl Chloride
Concen: 44.675 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



Tgt Ion: 62 Resp: 197796
Ion Ratio Lower Upper
62 100
64 31.9 26.1 39.1





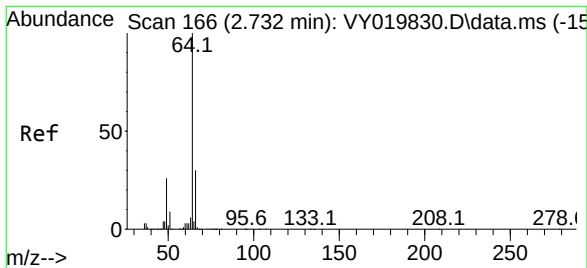
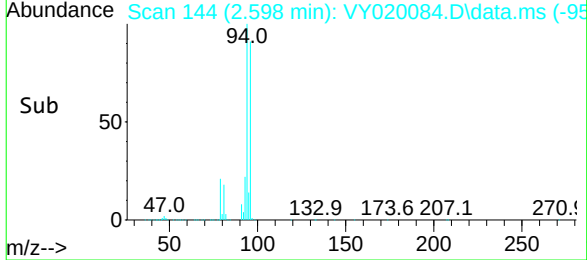
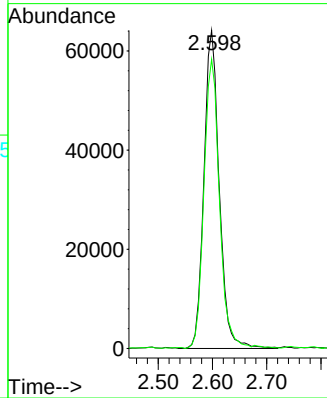
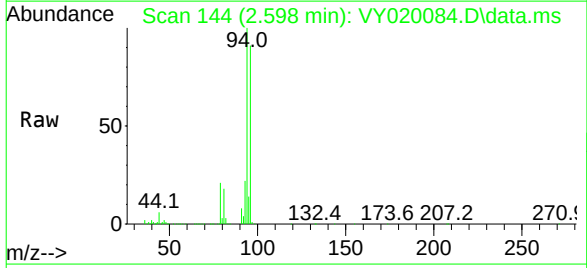
#5
Bromomethane
Concen: 42.867 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument : MSVOA_Y
ClientSampleId : ICVVY103024

Tgt Ion: 94 Resp: 126006
Ion Ratio Lower Upper
94 100
96 90.7 74.1 111.1

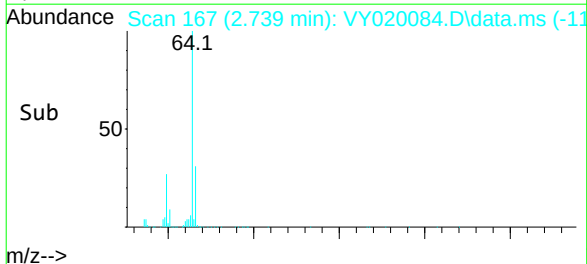
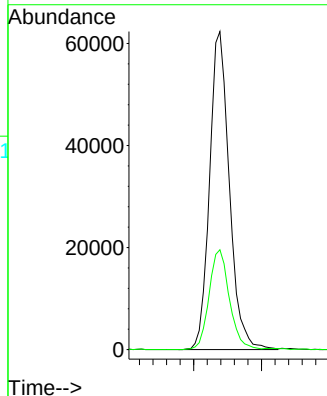
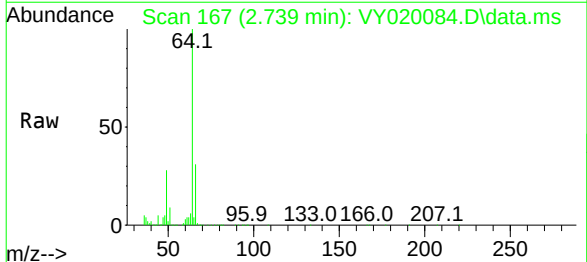
Manual Integrations
APPROVED

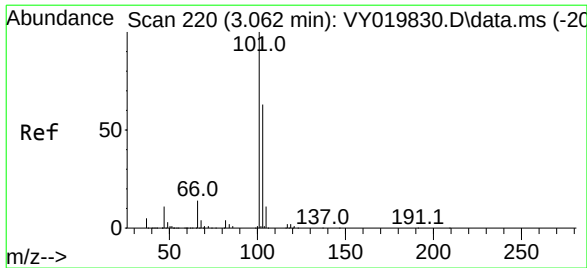
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#6
Chloroethane
Concen: 44.117 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

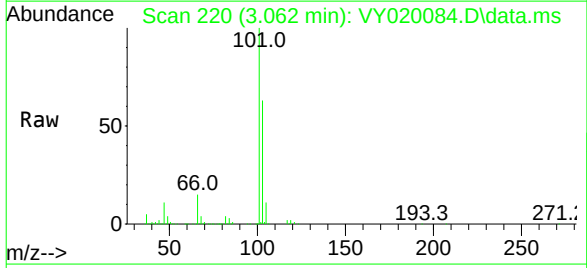
Tgt Ion: 64 Resp: 126056
Ion Ratio Lower Upper
64 100
66 31.4 26.1 39.1





#7
 Trichlorofluoromethane
 Concen: 45.537 ug/l
 RT: 3.062 min Scan# 220
 Delta R.T. 0.000 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

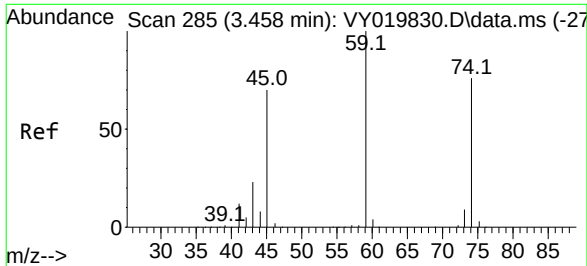
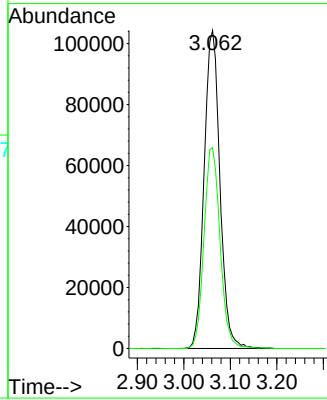
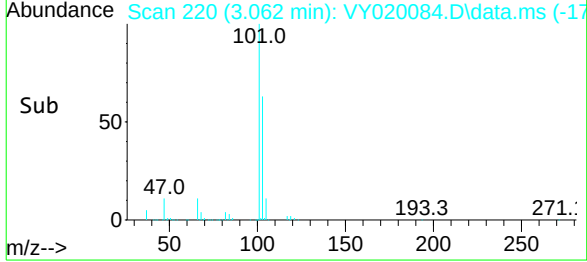
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024



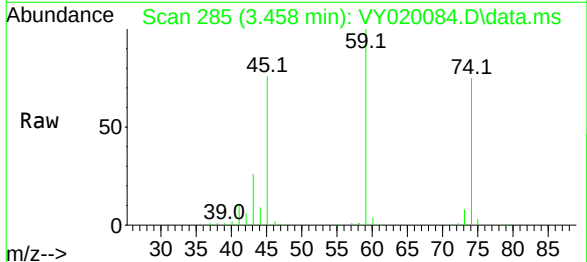
Tgt Ion: 101 Resp: 246291
 Ion Ratio Lower Upper
 101 100
 103 63.1 49.3 73.9

Manual Integrations
 APPROVED

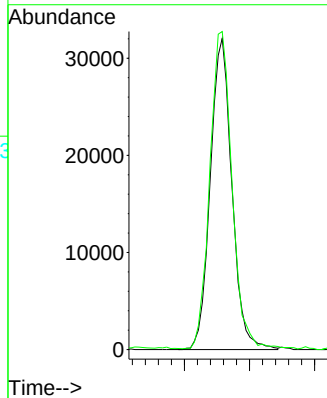
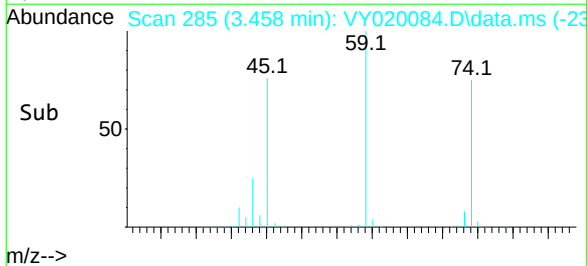
Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

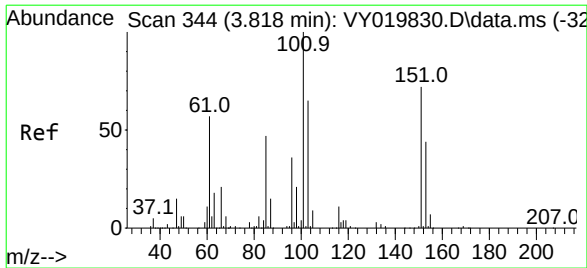


#8
 Diethyl Ether
 Concen: 48.883 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.000 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43



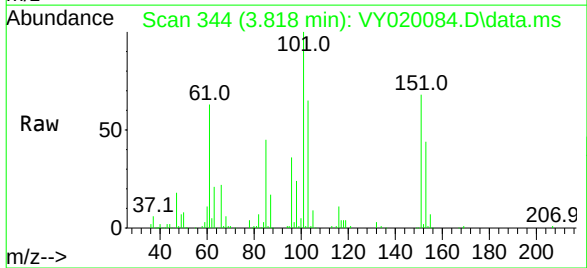
Tgt Ion: 74 Resp: 73740
 Ion Ratio Lower Upper
 74 100
 45 104.9 41.3 124.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.535 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

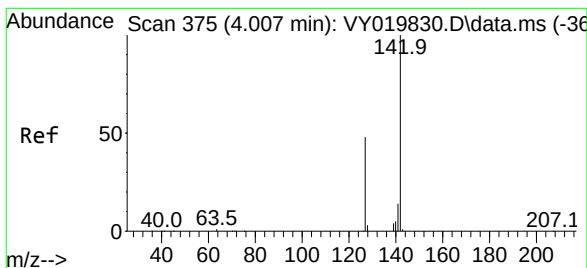
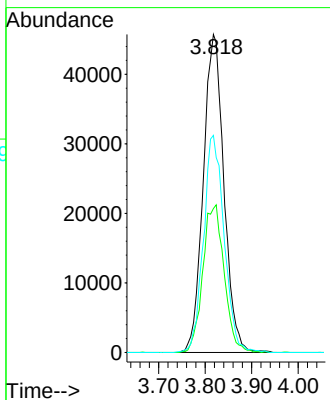
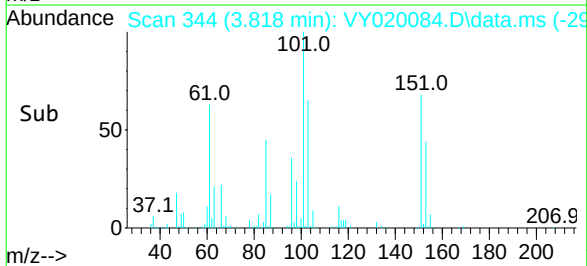
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



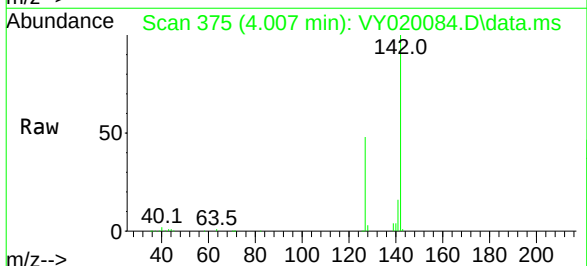
Tgt Ion:101 Resp: 141171
Ion Ratio Lower Upper
101 100
85 48.0 34.5 51.7
151 68.4 61.7 92.5

Manual Integrations
APPROVED

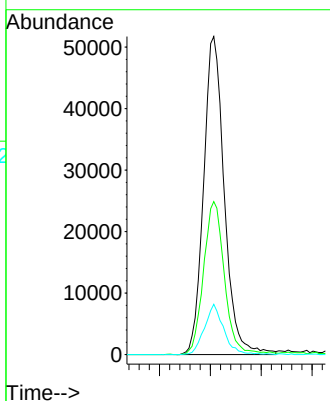
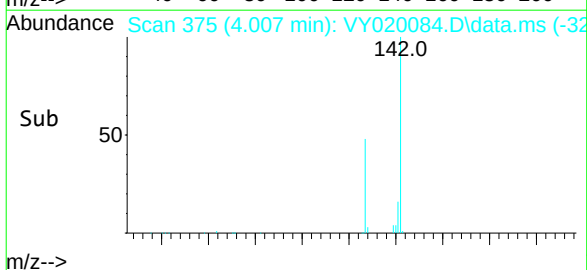
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

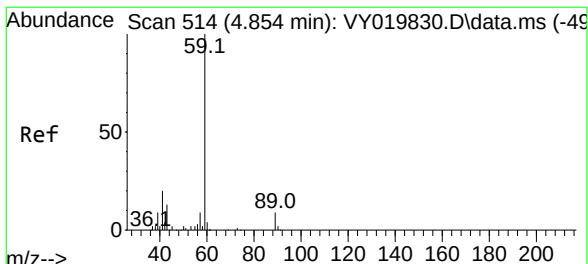


#10
Methyl Iodide
Concen: 50.033 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



Tgt Ion:142 Resp: 146540
Ion Ratio Lower Upper
142 100
127 48.6 32.8 49.2
141 14.7 11.4 17.2





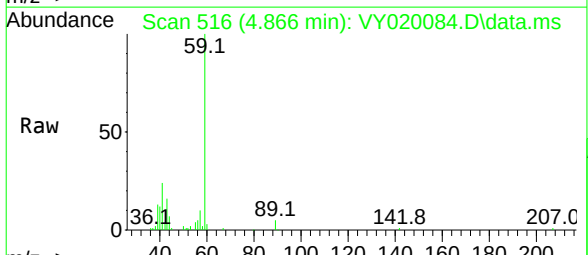
#11
Tert butyl alcohol
Concen: 220.262 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :

MSVOA_Y

ClientSampleId :

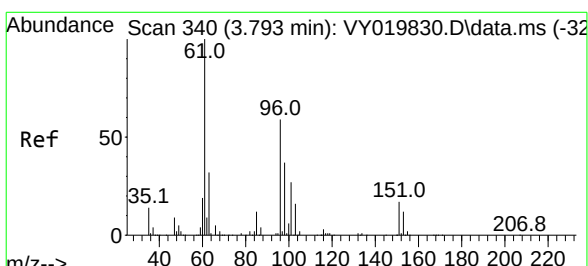
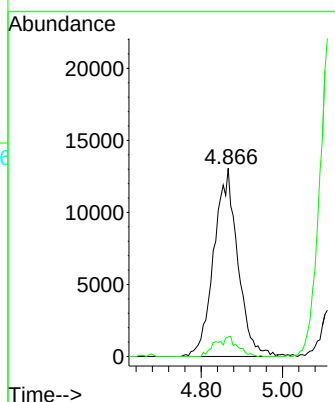
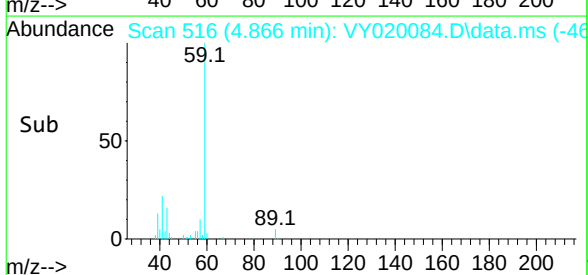
ICVY103024



Tgt Ion: 59 Resp: 53186
Ion Ratio Lower Upper
59 100
57 5.6 3.0 4.6#

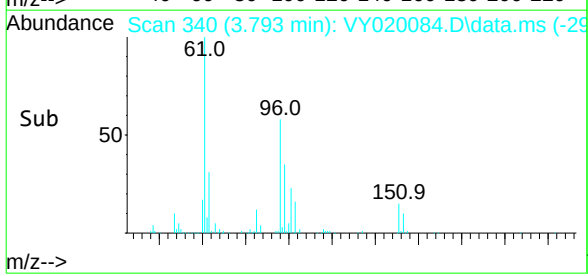
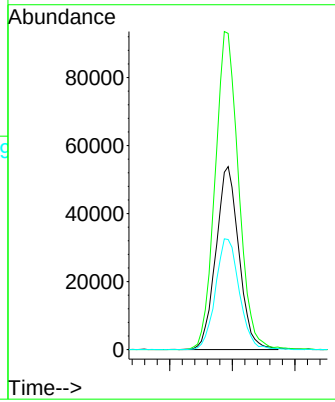
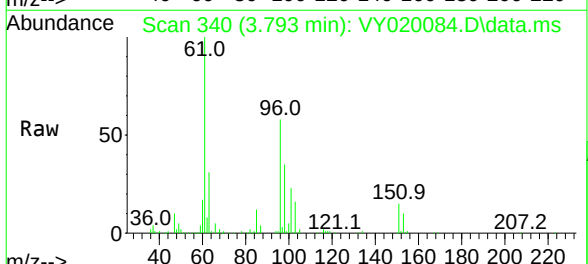
Manual Integrations
APPROVED

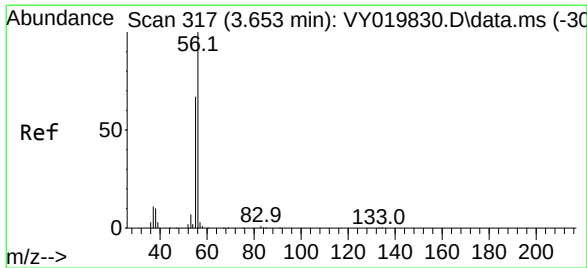
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#12
1,1-Dichloroethene
Concen: 47.344 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 96 Resp: 137418
Ion Ratio Lower Upper
96 100
61 172.8 114.6 171.8#
98 60.2 50.8 76.2





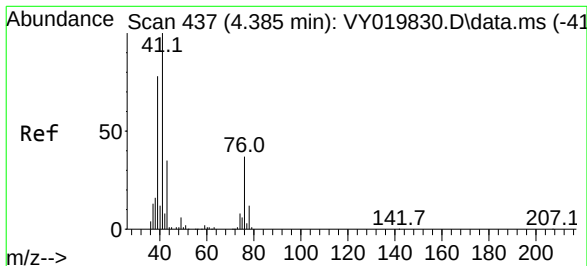
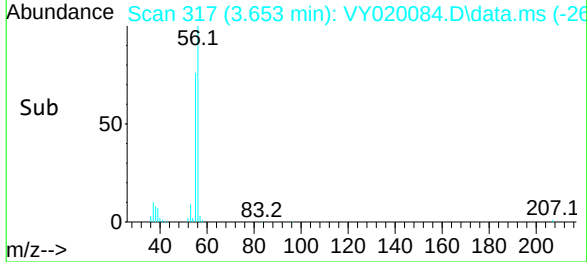
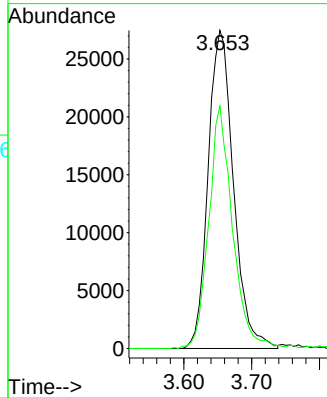
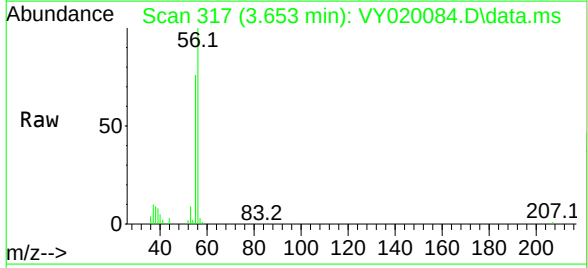
#13
Acrolein
Concen: 237.238 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion: 56 Resp: 71311
Ion Ratio Lower Upper
56 100
55 71.5 55.7 83.5

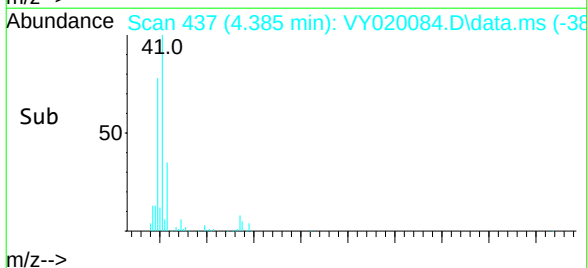
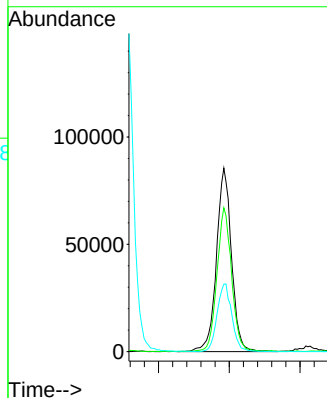
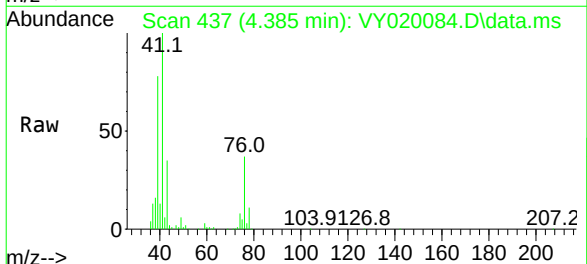
Manual Integrations
APPROVED

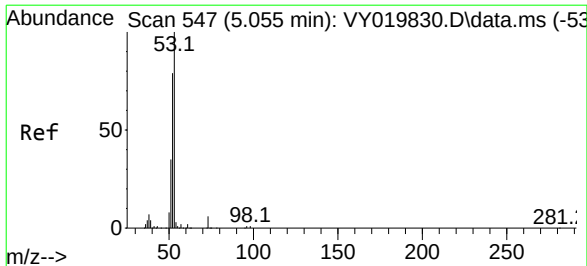
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#14
Allyl chloride
Concen: 48.183 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 41 Resp: 252324
Ion Ratio Lower Upper
41 100
39 76.0 58.3 87.5
76 36.0 39.0 58.6#





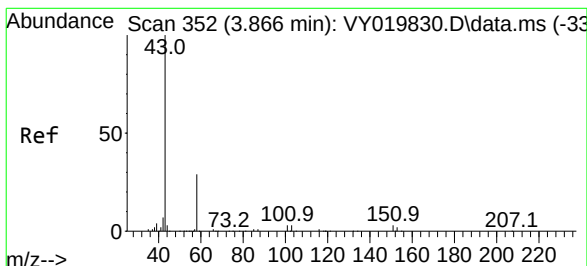
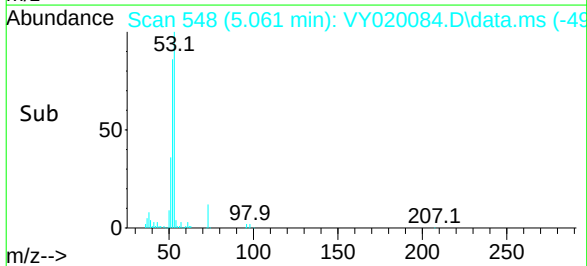
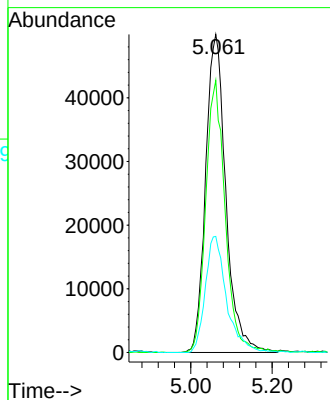
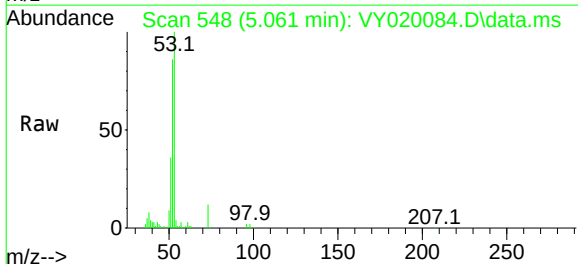
#15
Acrylonitrile
Concen: 251.330 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion: 53 Resp: 172582
Ion Ratio Lower Upper
53 100
52 82.0 64.7 97.1
51 38.4 28.4 42.6

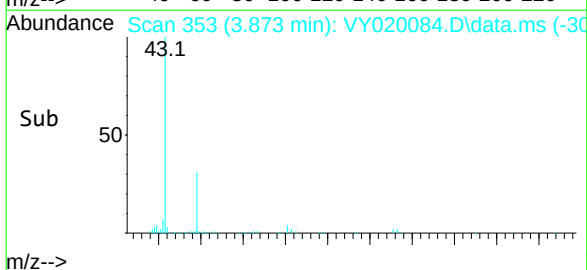
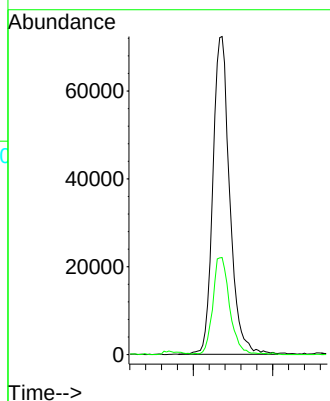
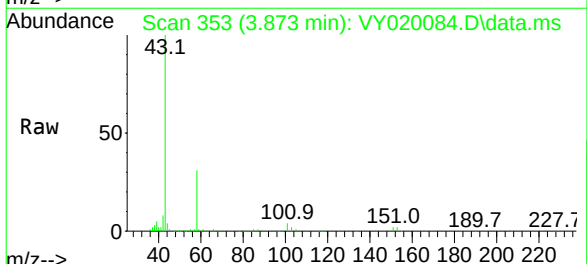
Manual Integrations
APPROVED

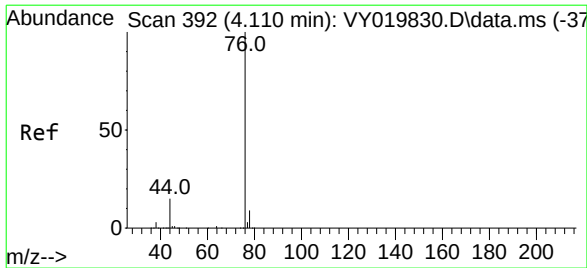
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#16
Acetone
Concen: 273.401 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 43 Resp: 213437
Ion Ratio Lower Upper
43 100
58 30.4 31.7 47.5#





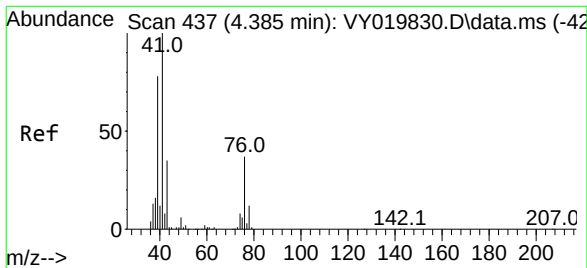
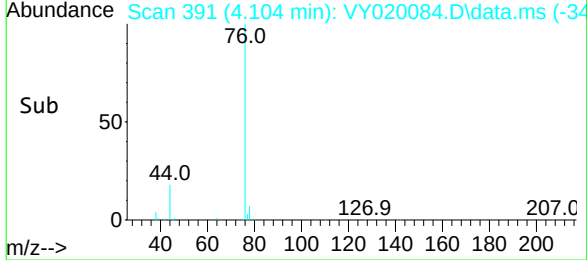
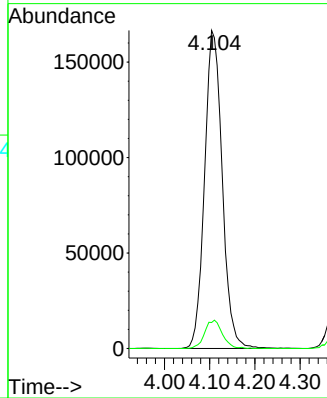
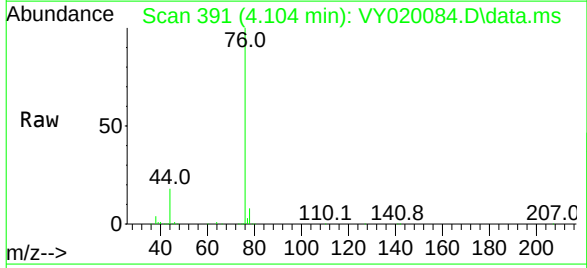
#17
Carbon Disulfide
Concen: 46.801 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion: 76 Resp: 452065
Ion Ratio Lower Upper
76 100
78 8.2 6.8 10.2

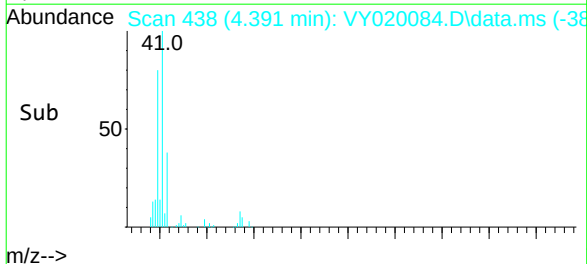
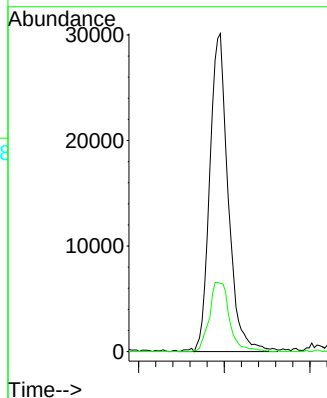
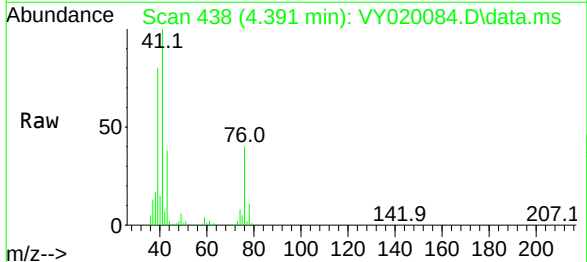
Manual Integrations
APPROVED

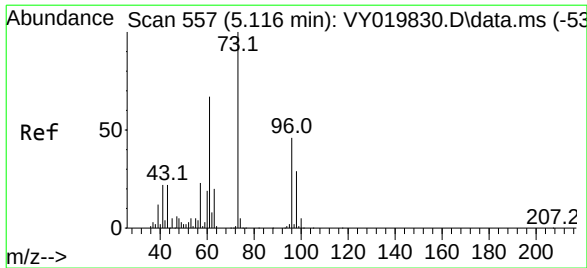
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#18
Methyl Acetate
Concen: 49.174 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 43 Resp: 90071
Ion Ratio Lower Upper
43 100
74 23.8 23.3 34.9





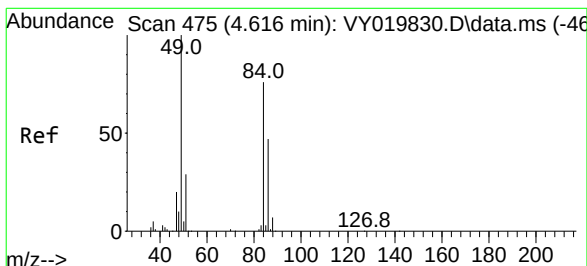
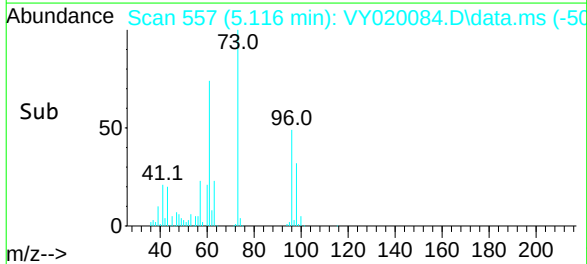
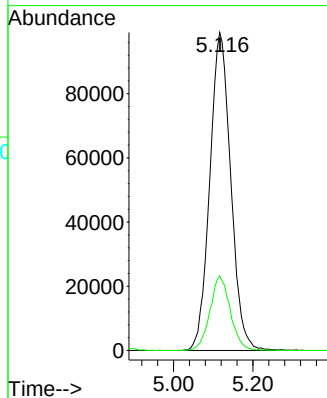
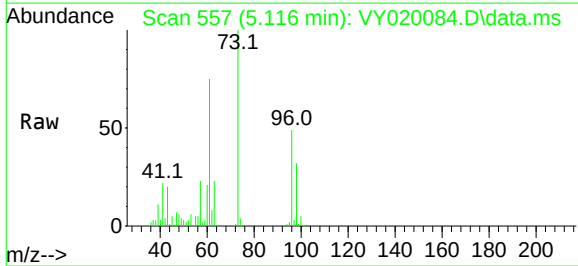
#19
Methyl tert-butyl Ether
Concen: 49.744 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion: 73 Resp: 363241
Ion Ratio Lower Upper
73 100
57 23.5 17.3 25.9

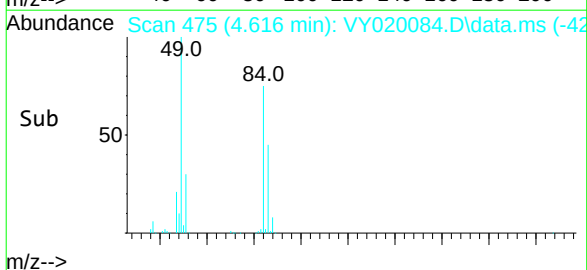
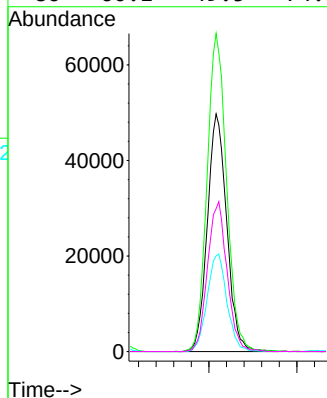
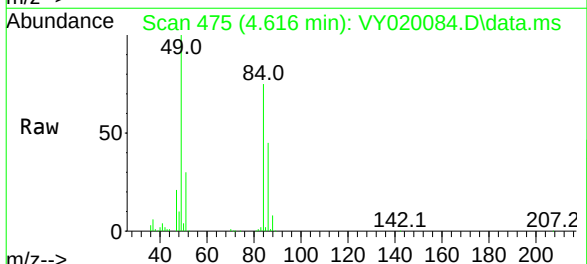
Manual Integrations
APPROVED

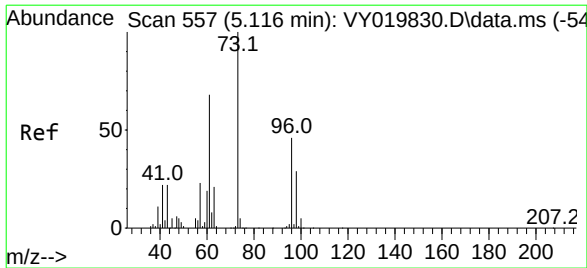
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#20
Methylene Chloride
Concen: 43.456 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 84 Resp: 152399
Ion Ratio Lower Upper
84 100
49 133.8 84.4 126.6#
51 40.3 26.0 39.0#
86 60.1 49.5 74.3





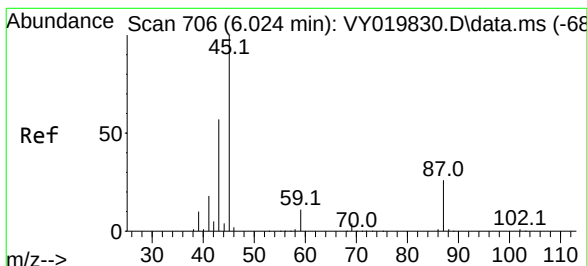
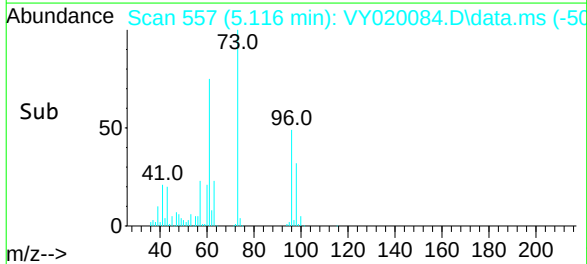
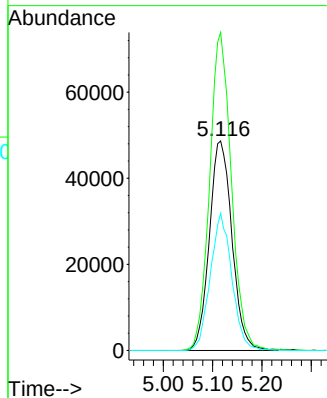
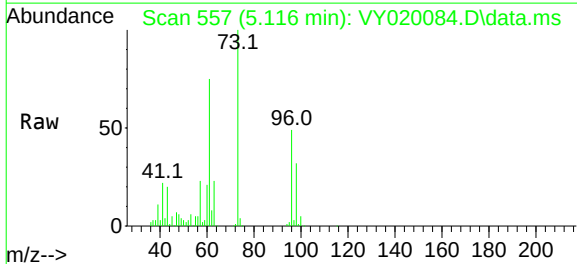
#21
trans-1,2-Dichloroethene
Concen: 47.392 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument : MSVOA_Y
ClientSampleId : ICVVY103024

Tgt Ion: 96 Resp: 155135
Ion Ratio Lower Upper
96 100
61 151.8 97.5 146.3#
98 65.5 50.5 75.7

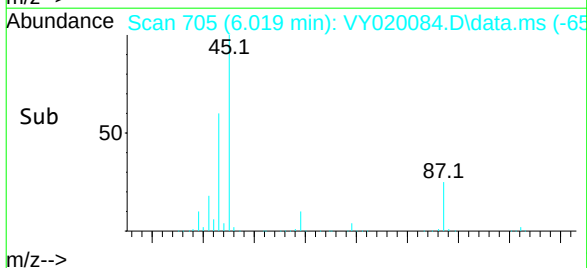
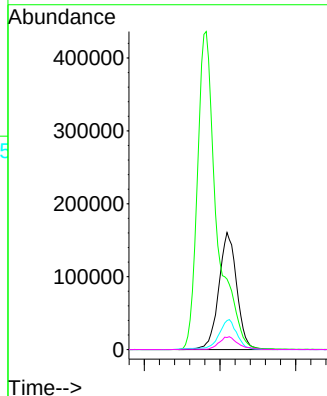
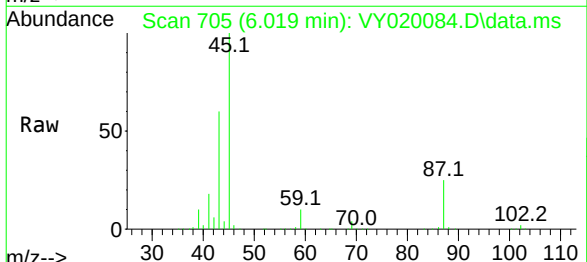
Manual Integrations
APPROVED

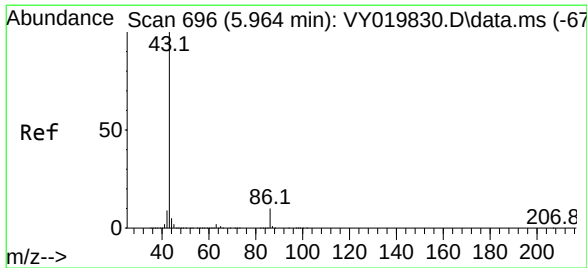
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#22
Diisopropyl ether
Concen: 48.767 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 45 Resp: 529962
Ion Ratio Lower Upper
45 100
43 60.1 42.2 63.2
87 24.7 25.0 37.6#
59 10.3 10.5 15.7#





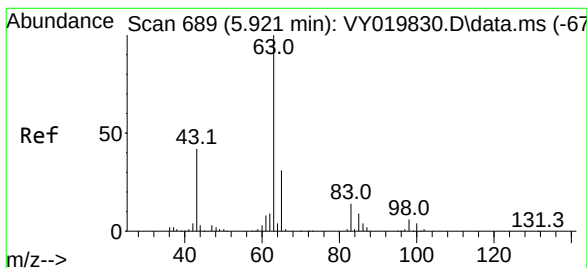
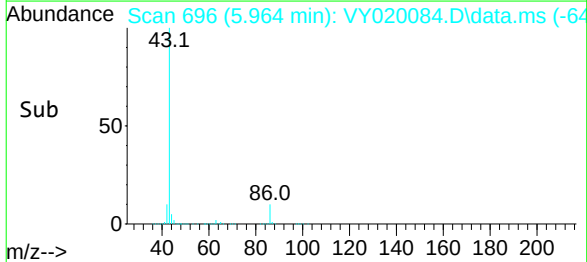
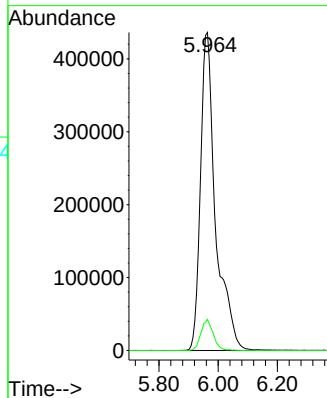
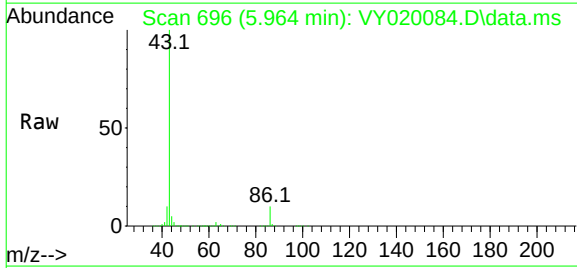
#23
 Vinyl Acetate
 Concen: 252.963 ug/l
 RT: 5.964 min Scan# 696
 Delta R.T. 0.006 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024

Tgt Ion: 43 Resp: 1547055
 Ion Ratio Lower Upper
 43 100
 86 9.8 10.6 16.0

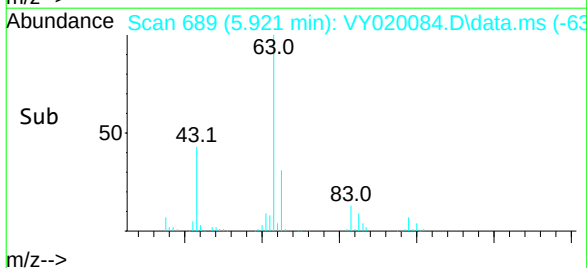
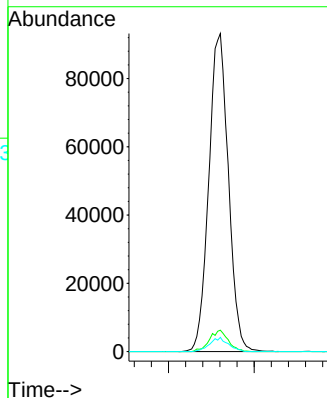
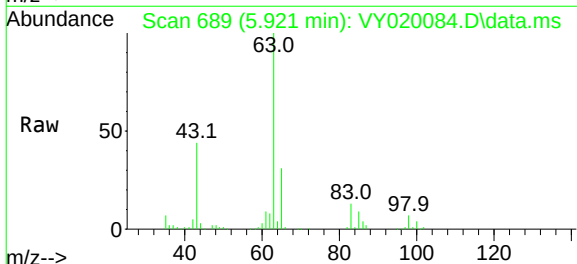
Manual Integrations
 APPROVED

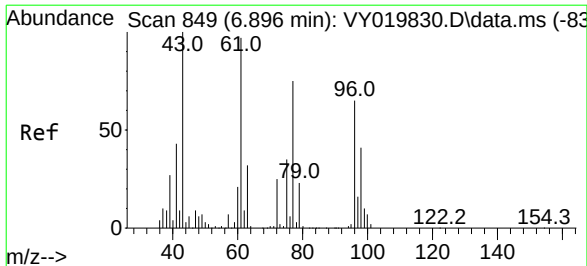
Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024



#24
 1,1-Dichloroethane
 Concen: 47.064 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

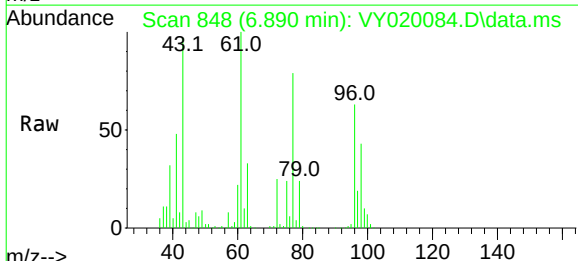
Tgt Ion: 63 Resp: 296154
 Ion Ratio Lower Upper
 63 100
 98 6.7 4.0 12.2
 100 4.5 2.6 8.0





#25
2-Butanone
Concen: 257.223 ug/l
RT: 6.890 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

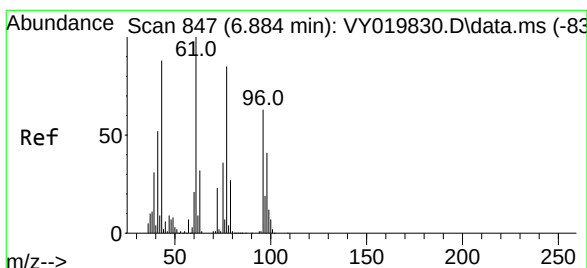
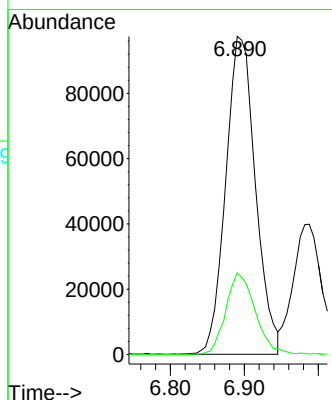
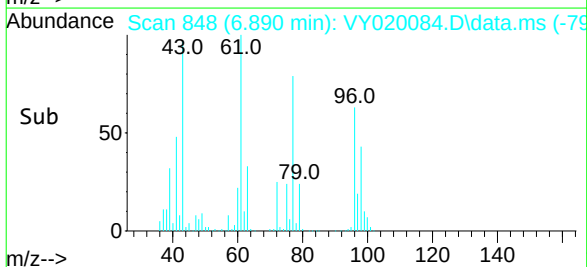
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



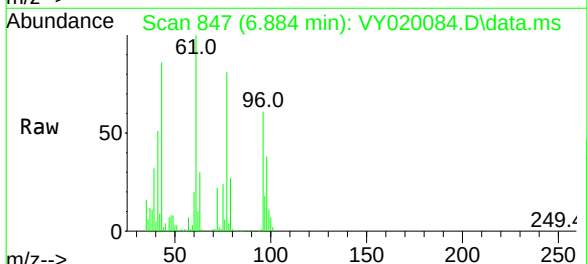
Tgt Ion: 43 Resp: 272203
Ion Ratio Lower Upper
43 100
72 25.7 27.3 40.9#

Manual Integrations
APPROVED

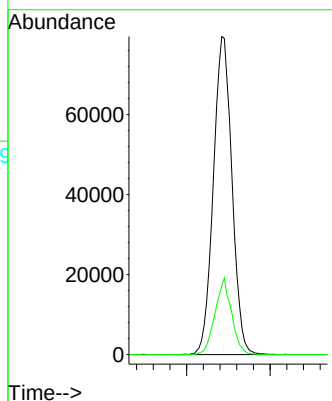
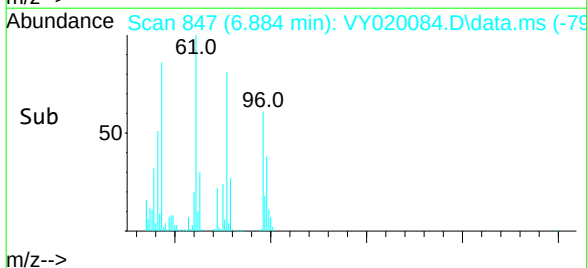
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

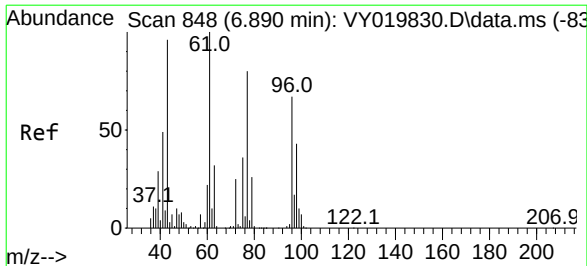


#26
2,2-Dichloropropane
Concen: 47.018 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



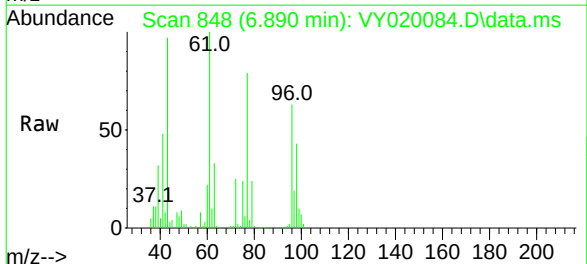
Tgt Ion: 77 Resp: 246168
Ion Ratio Lower Upper
77 100
97 21.3 12.0 36.1





#27
 cis-1,2-Dichloroethene
 Concen: 46.753 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

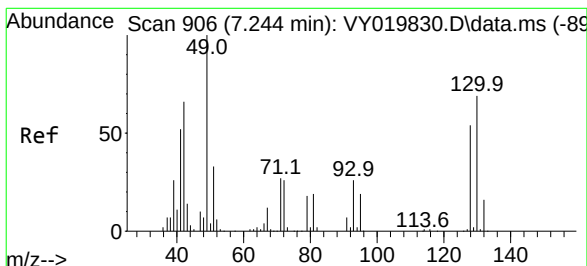
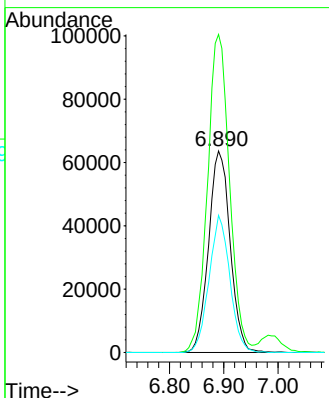
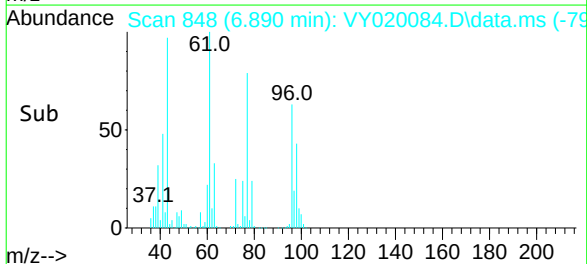
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103024



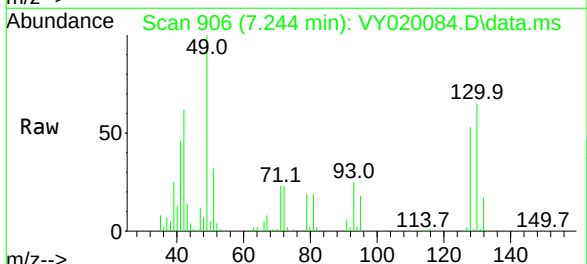
Tgt Ion: 96 Resp: 175929
 Ion Ratio Lower Upper
 96 100
 61 161.0 0.0 256.2
 98 65.5 0.0 130.0

Manual Integrations
 APPROVED

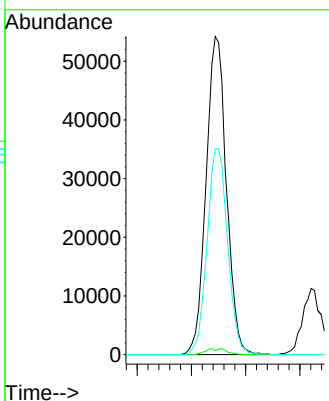
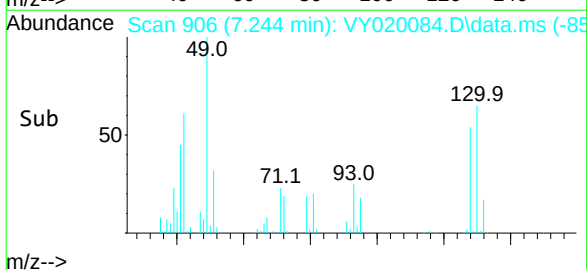
Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

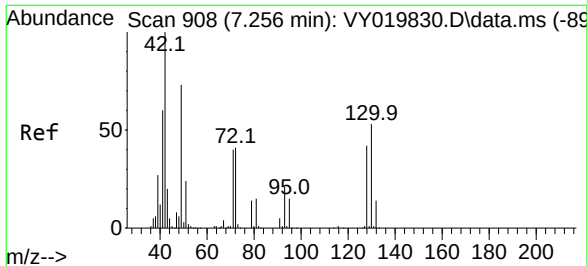


#28
 Bromochloromethane
 Concen: 47.922 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43



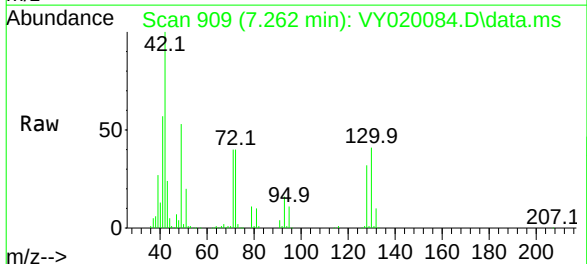
Tgt Ion: 49 Resp: 141202
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 4.6
 130 65.3 72.7 109.1#





#29
Tetrahydrofuran
Concen: 255.705 ug/l
RT: 7.262 min Scan# 908
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

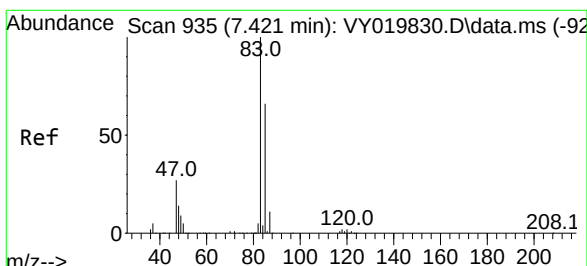
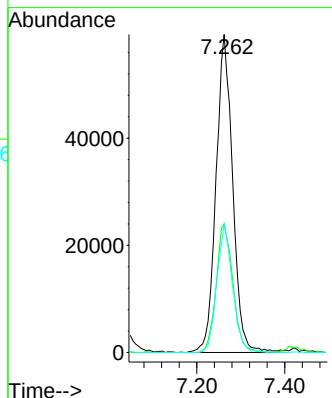
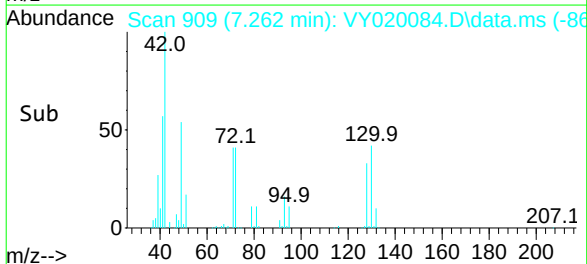
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



Tgt Ion: 42 Resp: 156162
Ion Ratio Lower Upper
42 100
72 40.6 43.0 64.4#
71 38.0 40.8 61.2#

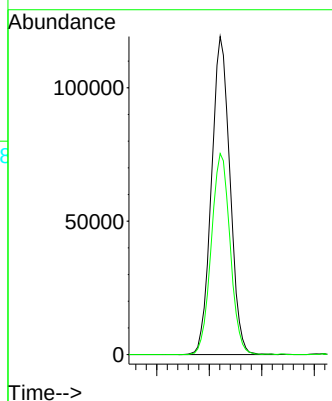
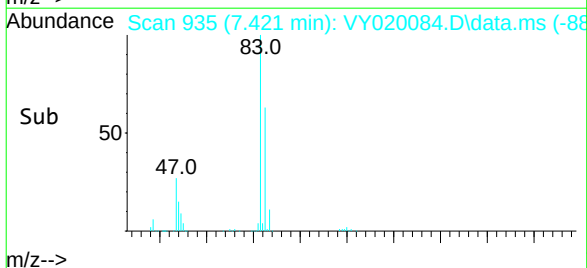
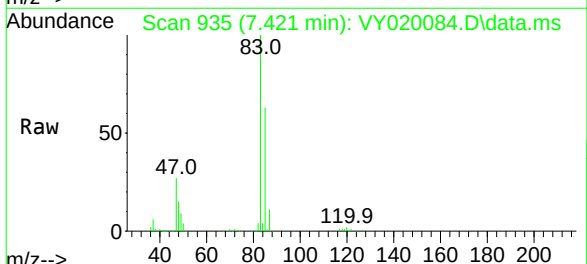
Manual Integrations
APPROVED

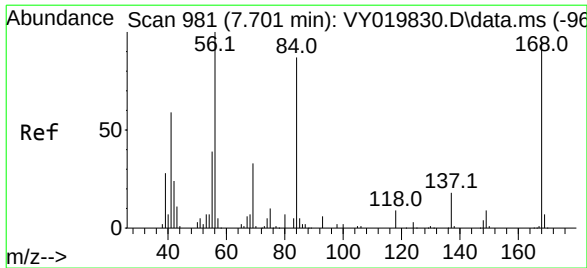
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#30
Chloroform
Concen: 46.772 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

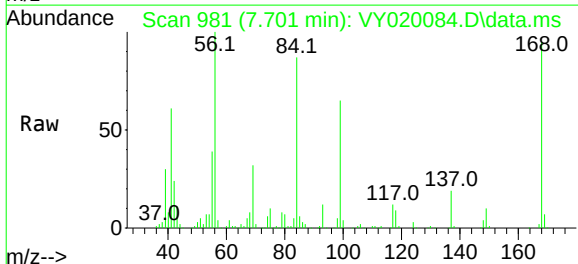
Tgt Ion: 83 Resp: 292058
Ion Ratio Lower Upper
83 100
85 63.2 52.2 78.4





#31
Cyclohexane
Concen: 43.711 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

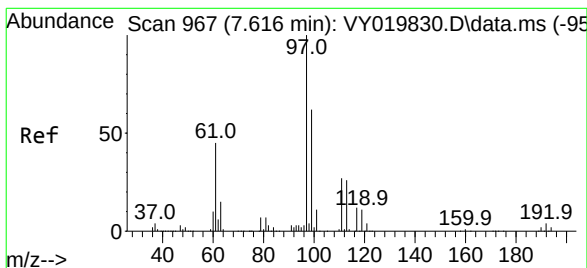
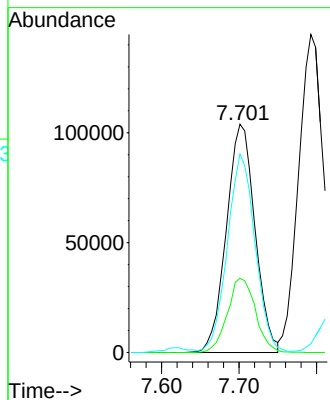
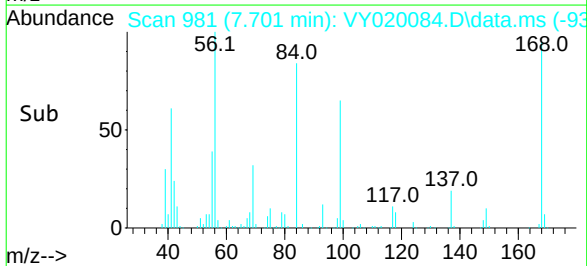
Instrument :
MSVOA_Y
ClientSampleId :
ICVY103024



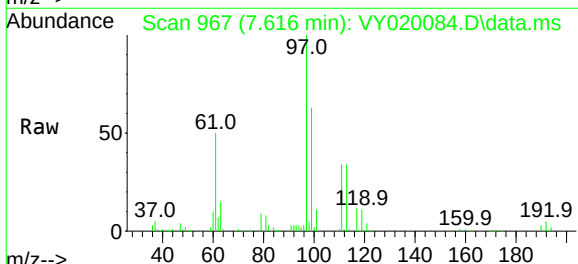
Tgt Ion: 56 Resp: 266285
Ion Ratio Lower Upper
56 100
69 32.5 28.7 43.1
84 84.9 77.7 116.5

Manual Integrations
APPROVED

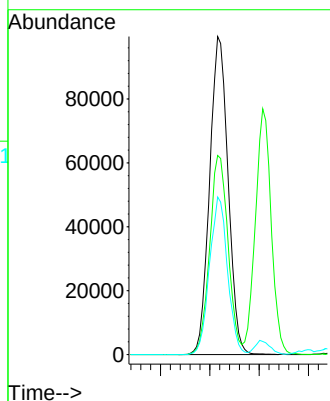
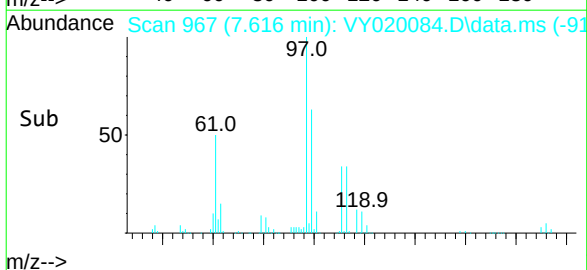
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

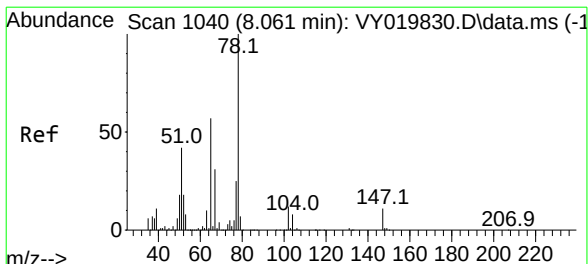


#32
1,1,1-Trichloroethane
Concen: 47.501 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



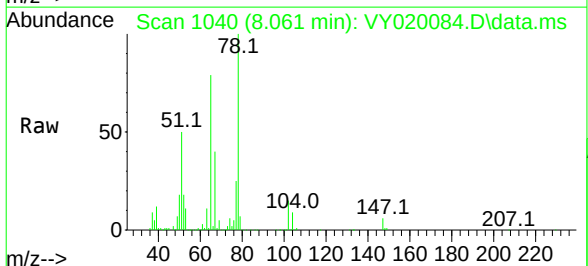
Tgt Ion: 97 Resp: 258957
Ion Ratio Lower Upper
97 100
99 62.5 50.3 75.5
61 48.4 32.6 48.8





#33
1,2-Dichloroethane-d4
Concen: 56.525 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

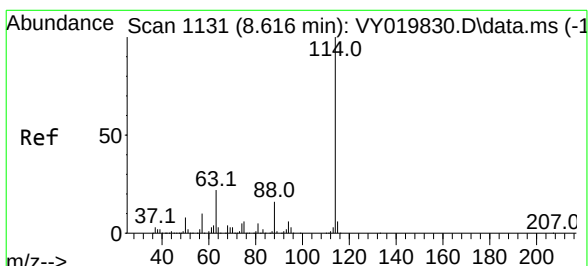
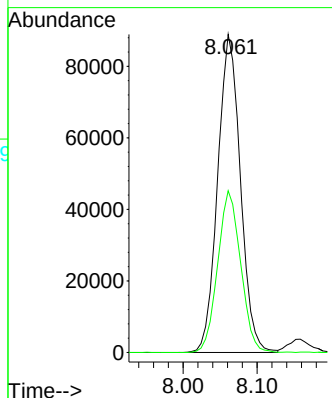
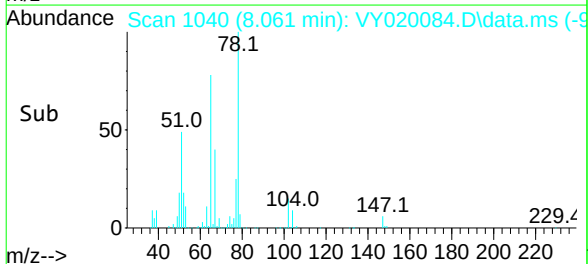
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



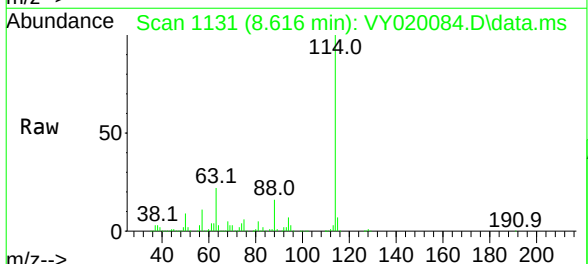
Tgt Ion: 65 Resp: 189750
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.6

Manual Integrations
APPROVED

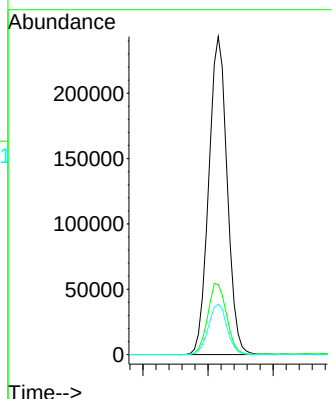
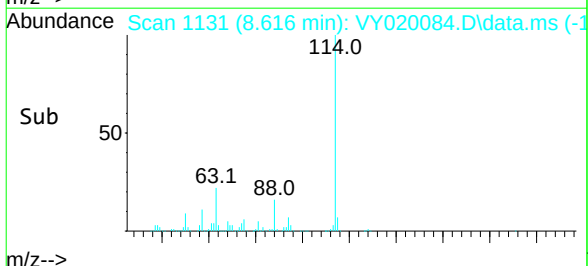
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

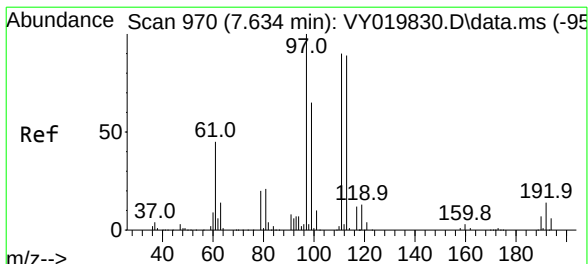


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



Tgt Ion:114 Resp: 478224
Ion Ratio Lower Upper
114 100
63 22.0 0.0 35.0
88 15.8 0.0 27.2





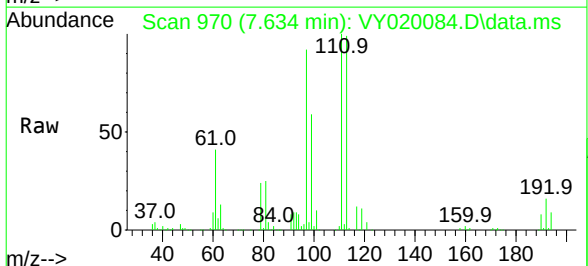
#35
 Dibromofluoromethane
 Concen: 55.414 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

Instrument :

MSVOA_Y

ClientSampleId :

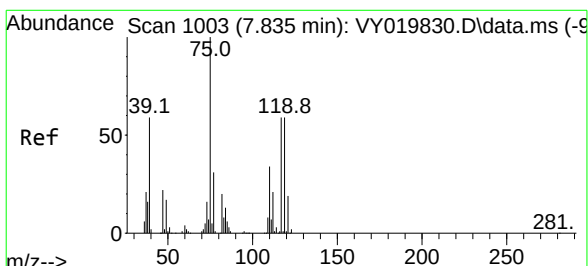
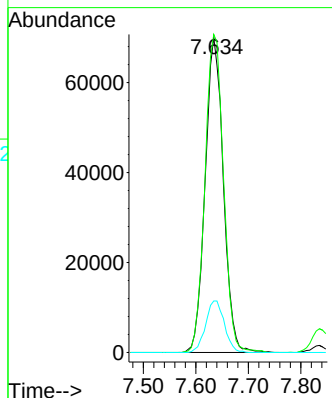
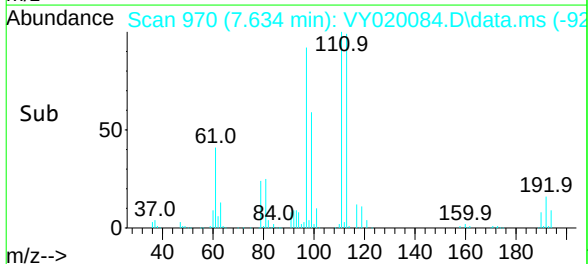
ICVVY103024



Tgt Ion:	113	Resp:	168487
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	16.9	15.9	23.9

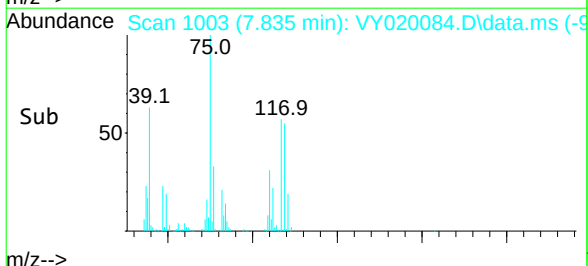
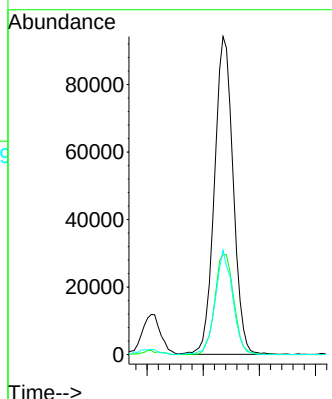
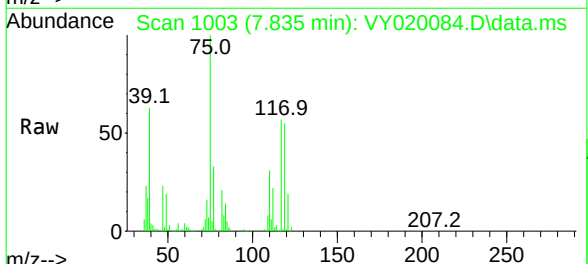
Manual Integrations
 APPROVED

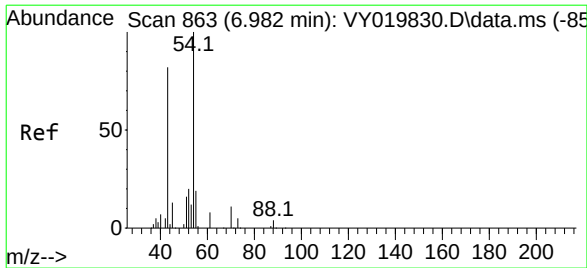
Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024



#36
 1,1-Dichloropropene
 Concen: 46.444 ug/l
 RT: 7.835 min Scan# 1003
 Delta R.T. 0.000 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

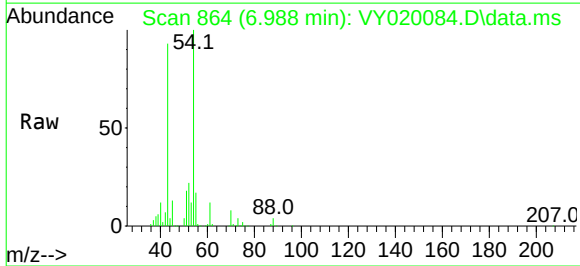
Tgt Ion:	75	Resp:	218144
Ion	Ratio	Lower	Upper
75	100		
110	32.1	19.0	57.0
77	30.7	25.3	37.9





#37
Ethyl Acetate
Concen: 49.179 ug/l
RT: 6.988 min Scan# 863
Delta R.T. 0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

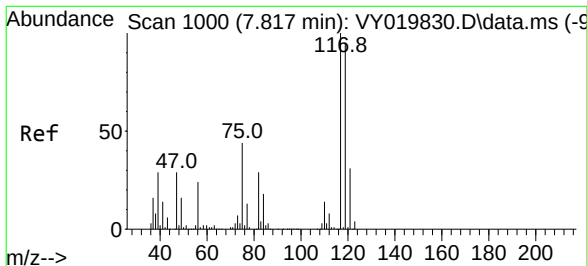
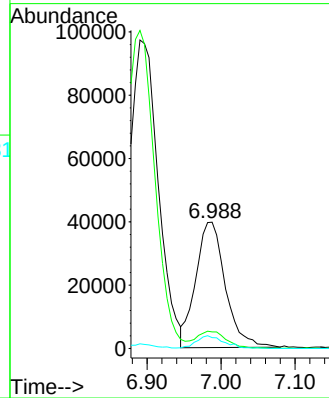
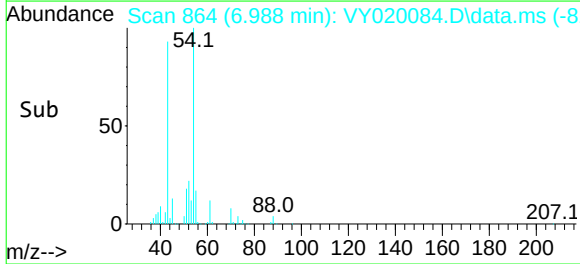
Instrument :
MSVOA_Y
ClientSampleId :
ICVY103024



Tgt Ion: 43 Resp: 110127
Ion Ratio Lower Upper
43 100
61 14.4 12.6 19.0
70 9.5 7.8 11.8

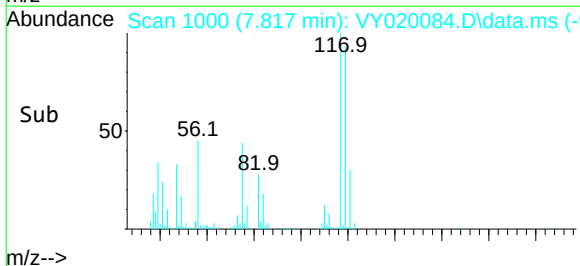
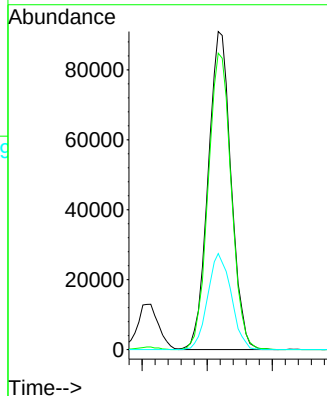
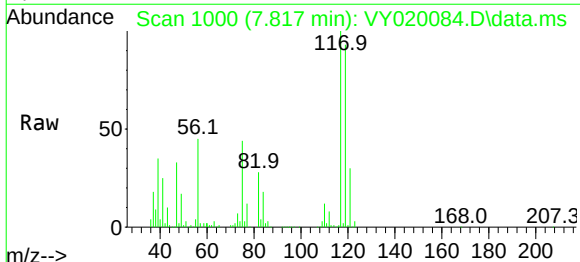
Manual Integrations
APPROVED

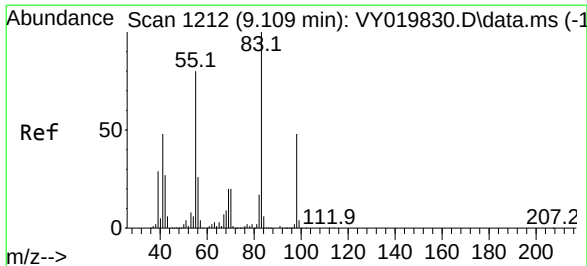
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#38
Carbon Tetrachloride
Concen: 47.149 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:117 Resp: 222693
Ion Ratio Lower Upper
117 100
119 93.2 75.8 113.6
121 30.2 24.0 36.0





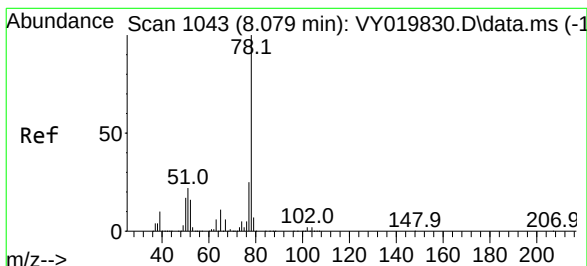
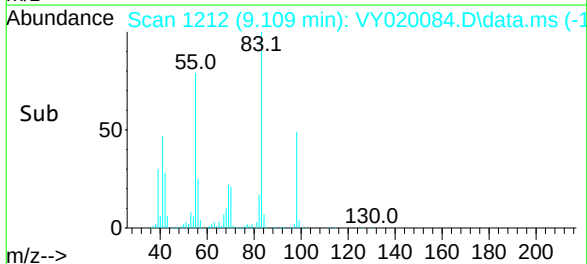
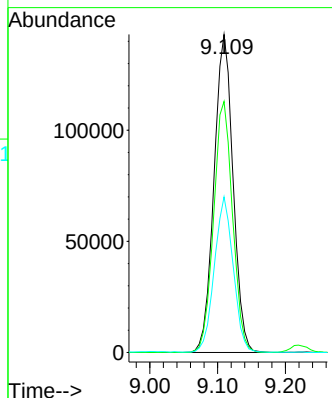
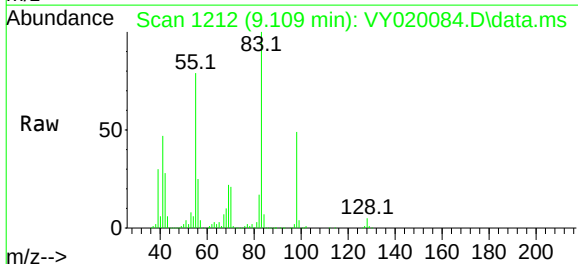
#39
Methylcyclohexane
Concen: 46.848 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion: 83 Resp: 279272
Ion Ratio Lower Upper
83 100
55 78.9 51.5 77.3#
98 48.8 40.5 60.7

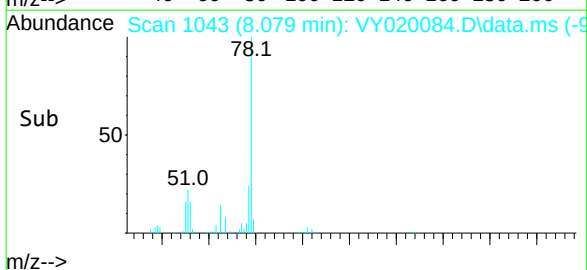
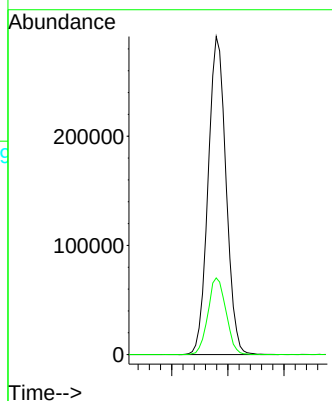
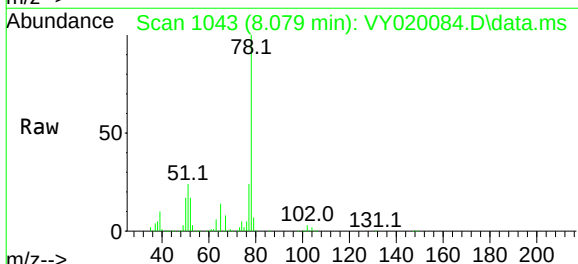
Manual Integrations
APPROVED

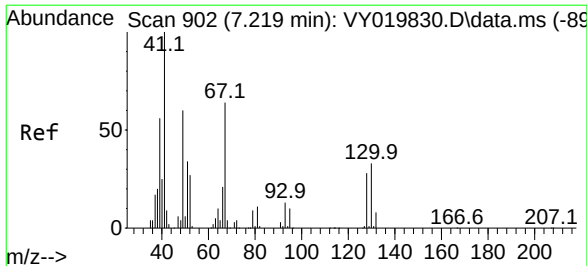
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#40
Benzene
Concen: 47.140 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 78 Resp: 646271
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3





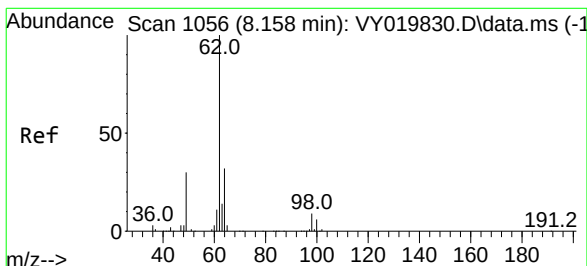
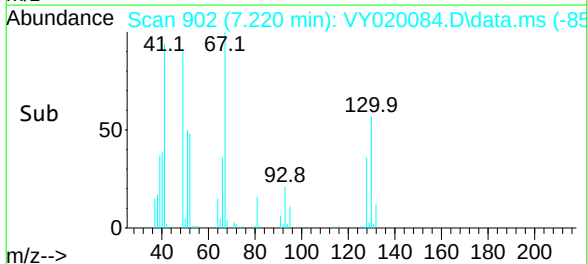
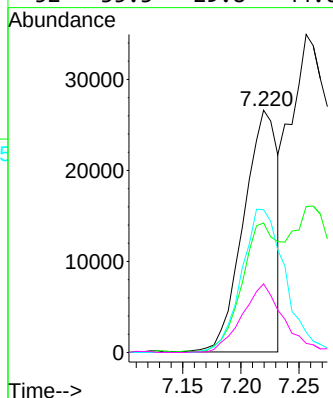
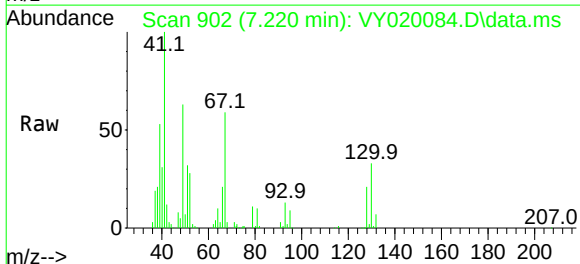
#41
Methacrylonitrile
Concen: 48.057 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion:	41	Resp:	53908
Ion	Ratio	Lower	Upper
41	100		
39	63.2	48.0	72.0
67	76.7	75.1	112.7
52	35.3	29.8	44.6

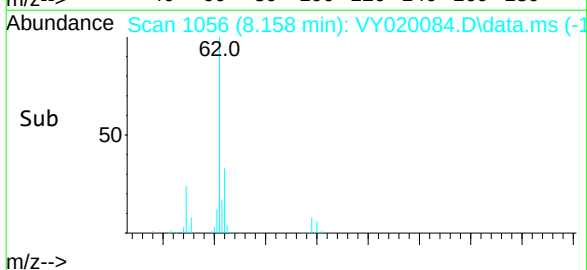
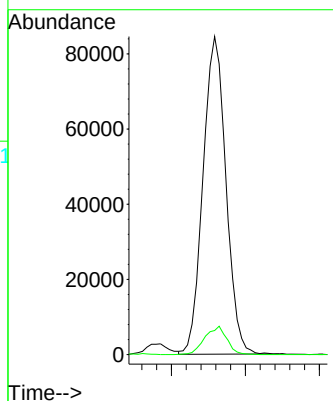
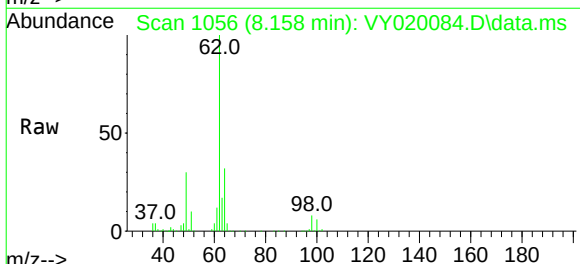
Manual Integrations
APPROVED

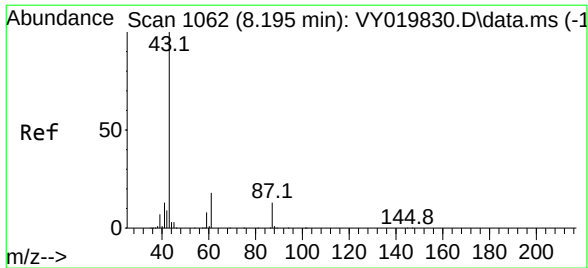
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#42
1,2-Dichloroethane
Concen: 47.998 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:	62	Resp:	182141
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	22.0





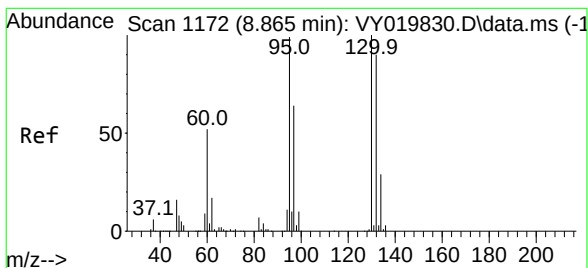
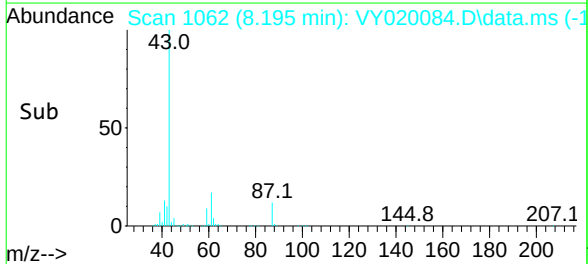
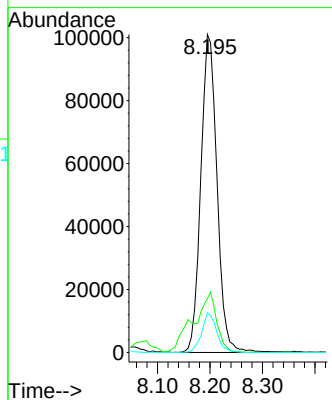
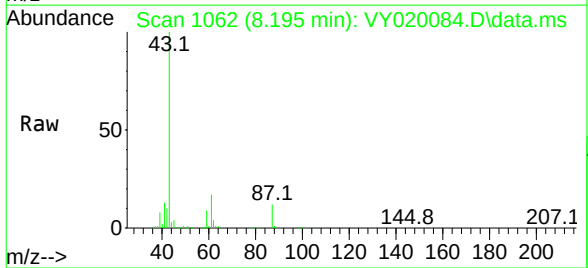
#43
Isopropyl Acetate
Concen: 50.314 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument : MSVOA_Y
Client Sample Id : ICVVY103024

Tgt Ion: 43	Resp: 216661
Ion Ratio Lower Upper	
43 100	
61 18.7 27.9 41.9	
87 11.6 13.1 19.7	

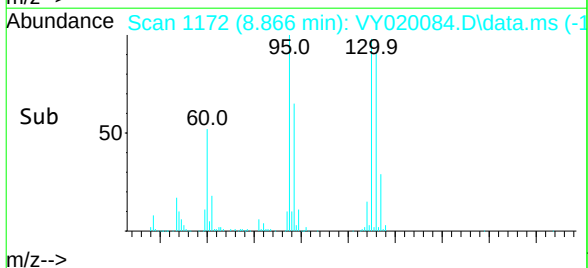
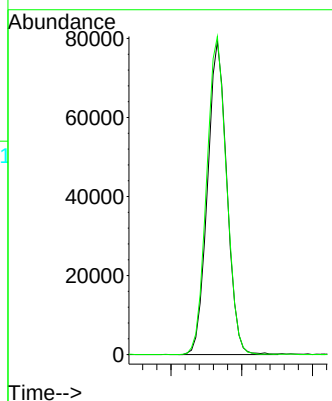
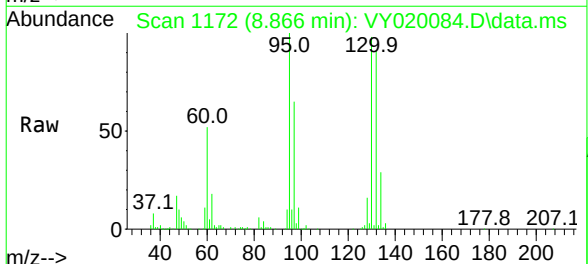
Manual Integrations
APPROVED

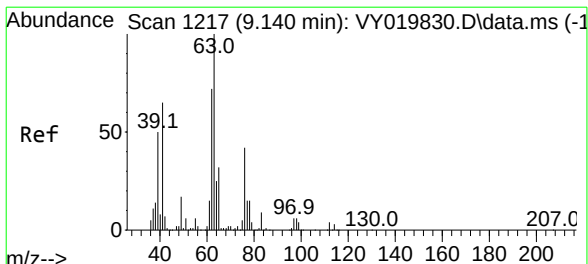
Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024



#44
Trichloroethene
Concen: 47.457 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

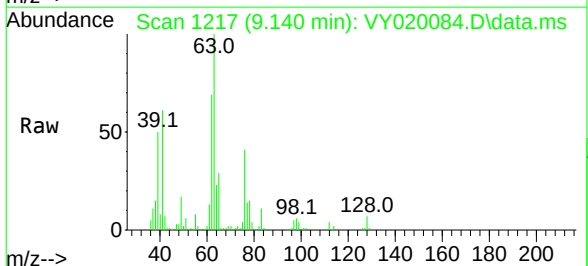
Tgt Ion: 130	Resp: 150791
Ion Ratio Lower Upper	
130 100	
95 101.5 0.0 188.0	





#45
1,2-Dichloropropane
Concen: 49.171 ug/l
RT: 9.140 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

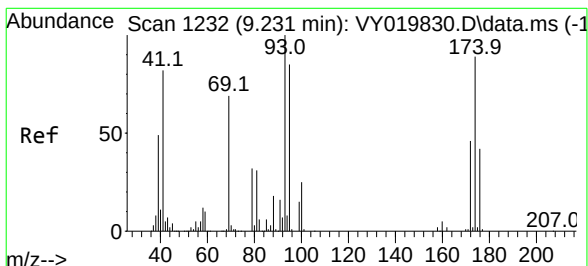
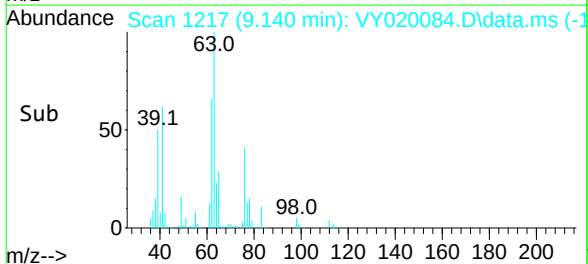
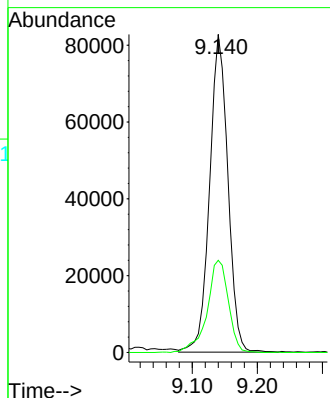
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



Tgt Ion: 63 Resp: 161282
Ion Ratio Lower Upper
63 100
65 28.9 25.4 38.2

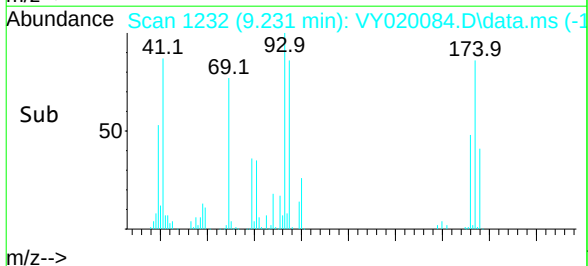
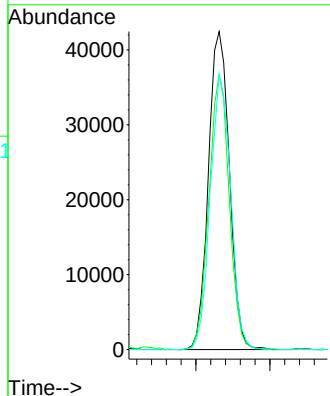
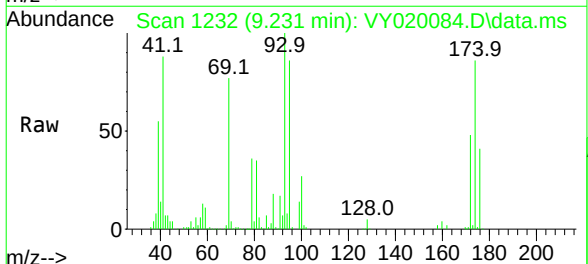
Manual Integrations
APPROVED

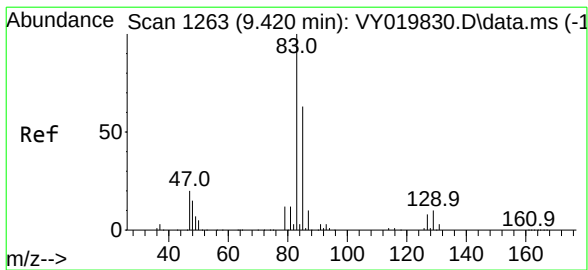
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#46
Dibromomethane
Concen: 47.144 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

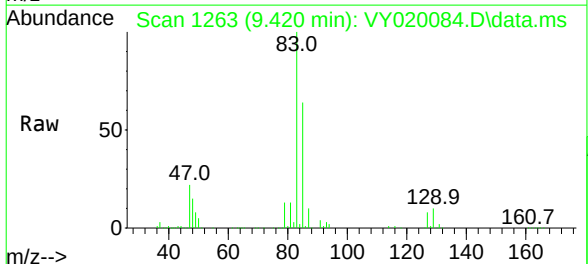
Tgt Ion: 93 Resp: 83788
Ion Ratio Lower Upper
93 100
95 83.8 66.2 99.4
174 84.2 80.9 121.3





#47
 Bromodichloromethane
 Concen: 47.780 ug/l
 RT: 9.420 min Scan# 1263
 Delta R.T. -0.006 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

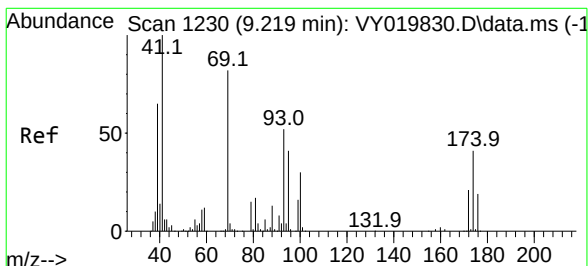
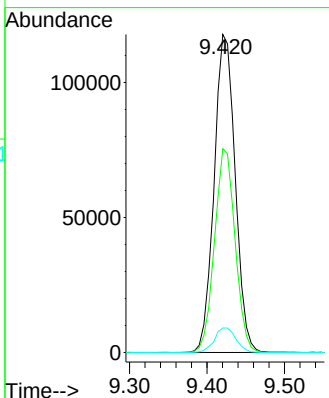
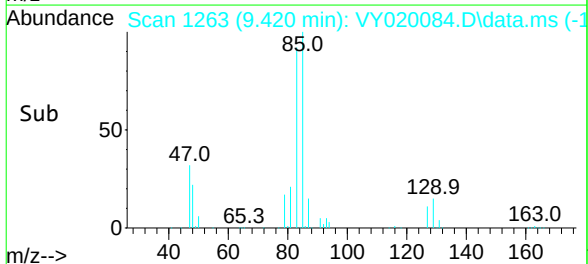
Instrument : MSVOA_Y
 ClientSampleId : ICVVY103024



Tgt Ion:	83	Resp:	222464
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.1	75.1
127	7.7	7.4	11.0

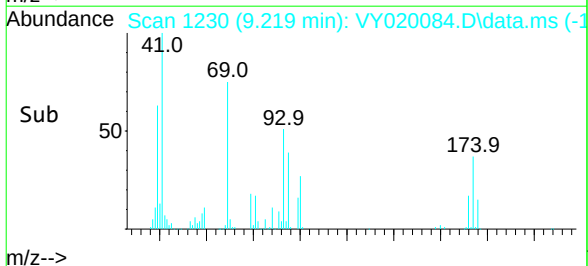
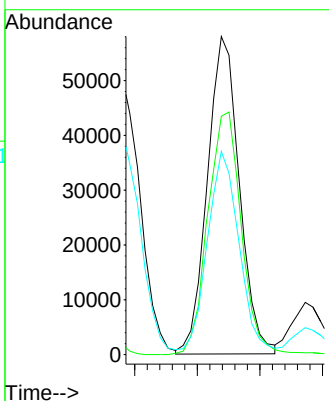
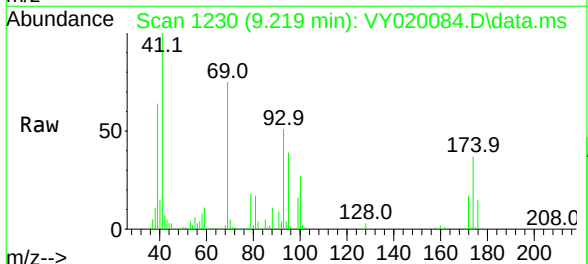
Manual Integrations
 APPROVED

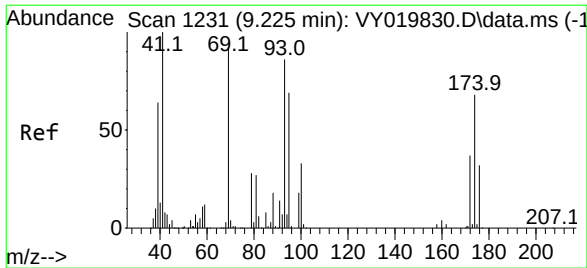
Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024



#48
 Methyl methacrylate
 Concen: 51.604 ug/l
 RT: 9.219 min Scan# 1230
 Delta R.T. 0.000 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

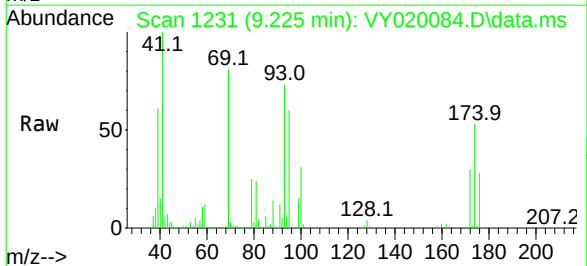
Tgt Ion:	41	Resp:	102929
Ion	Ratio	Lower	Upper
41	100		
69	80.1	84.1	126.1
39	60.5	43.6	65.4





#49
1,4-Dioxane
Concen: 1012.632 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

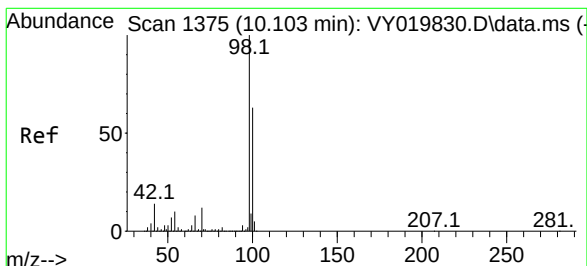
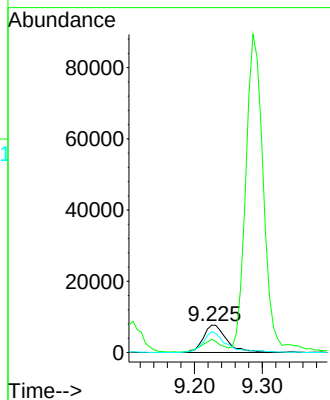
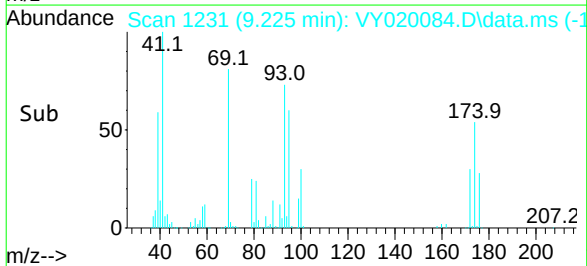
Instrument : MSVOA_Y
ClientSampleId : ICVVY103024



Tgt Ion: 88 Resp: 18529
Ion Ratio Lower Upper
88 100
43 38.6 0.0 0.0#
58 75.5 49.3 73.9#

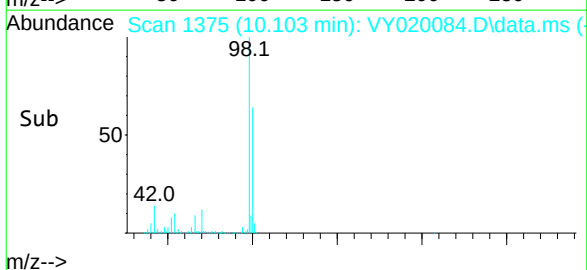
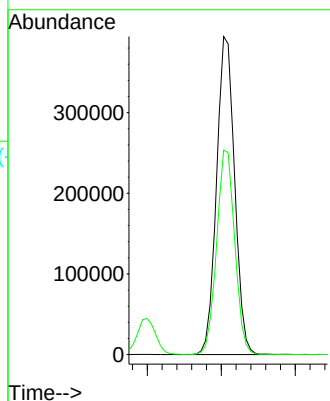
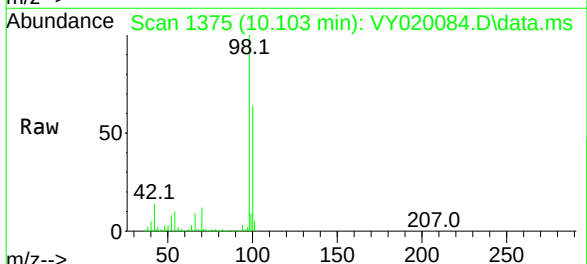
Manual Integrations
APPROVED

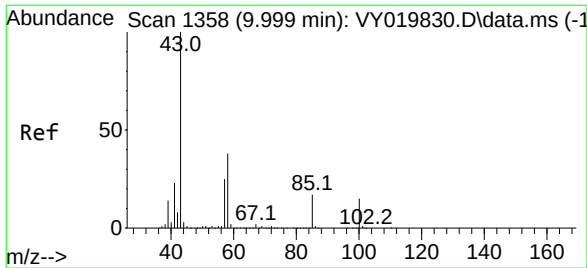
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#50
Toluene-d8
Concen: 55.359 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 98 Resp: 670000
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0





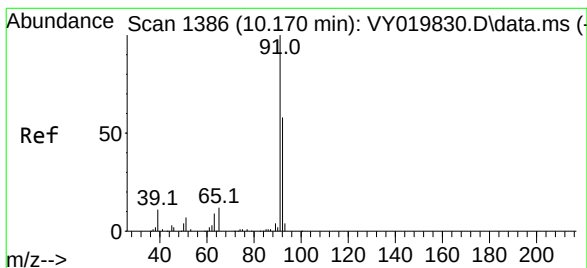
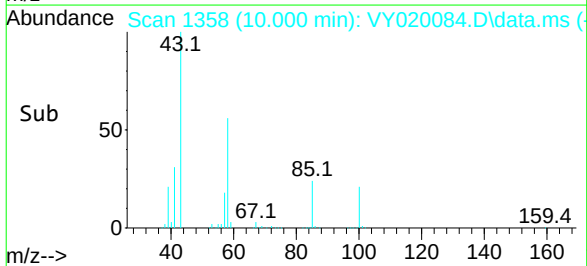
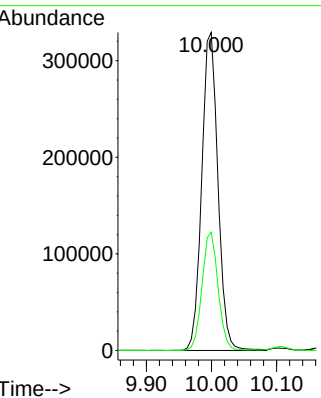
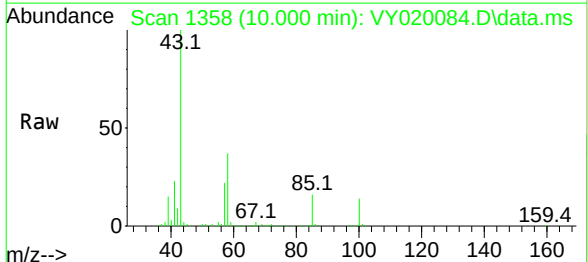
#51
4-Methyl-2-Pentanone
Concen: 256.244 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument : MSVOA_Y
ClientSampleId : ICVVY103024

Tgt Ion: 43 Resp: 568563
Ion Ratio Lower Upper
43 100
58 36.9 35.7 53.5

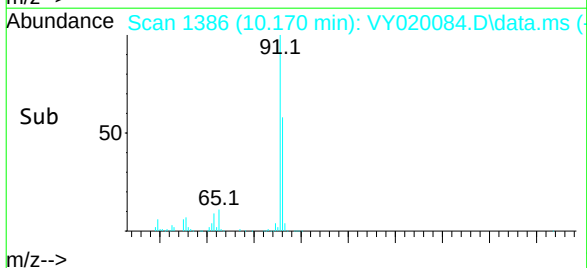
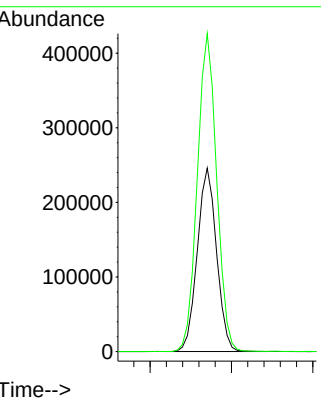
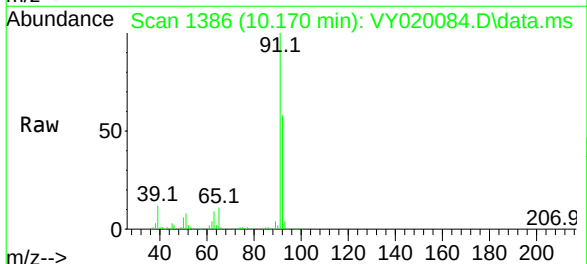
Manual Integrations
APPROVED

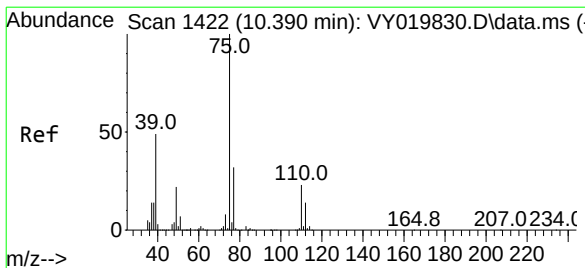
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#52
Toluene
Concen: 47.867 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

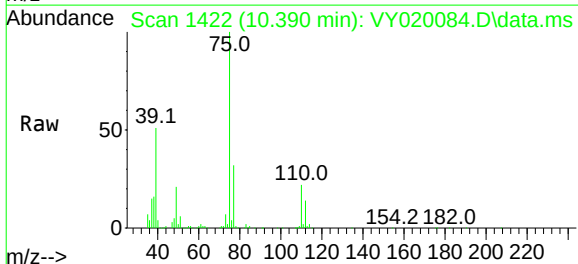
Tgt Ion: 92 Resp: 404514
Ion Ratio Lower Upper
92 100
91 173.9 139.0 208.6





#53
t-1,3-Dichloropropene
Concen: 49.098 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

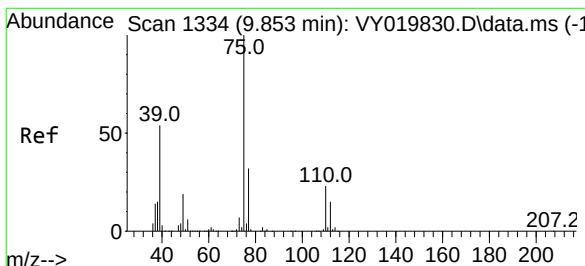
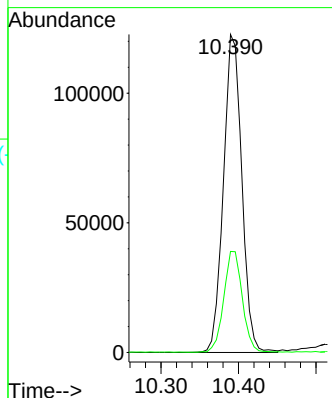
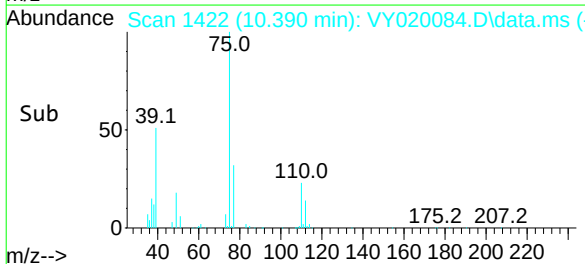
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



Tgt Ion: 75 Resp: 201863
Ion Ratio Lower Upper
75 100
77 31.6 24.1 36.1

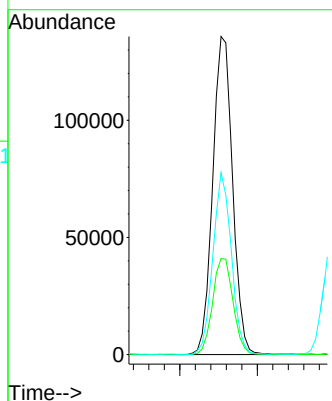
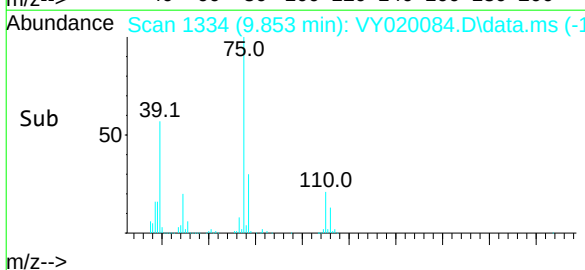
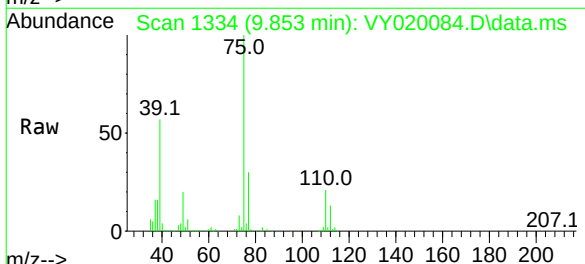
Manual Integrations
APPROVED

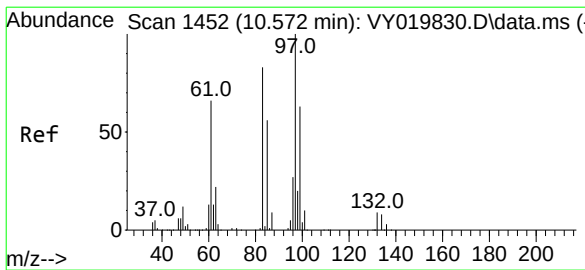
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#54
cis-1,3-Dichloropropene
Concen: 49.306 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

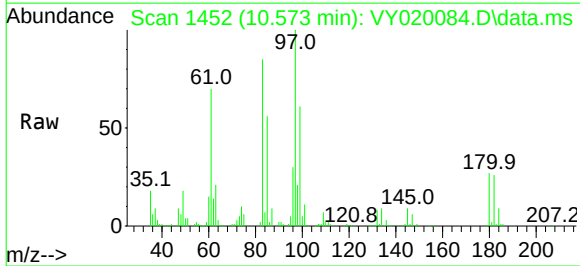
Tgt Ion: 75 Resp: 241963
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.0
39 57.1 29.8 44.6#





#55
1,1,2-Trichloroethane
Concen: 50.106 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

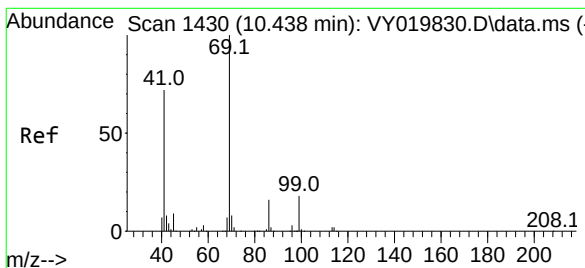
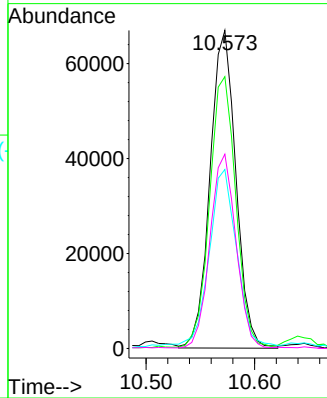
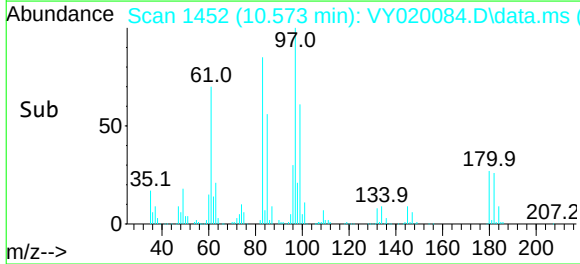
Instrument : MSVOA_Y
ClientSampleId : ICVVY103024



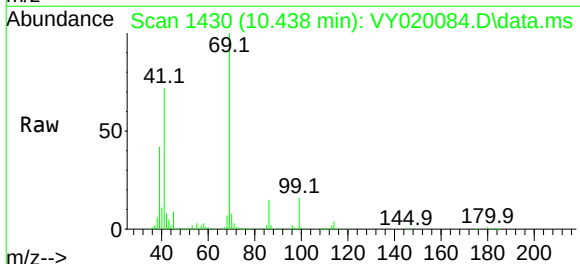
Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.5	101.3
85	55.8	42.9	64.3
99	61.4	46.6	70.0

Manual Integrations
APPROVED

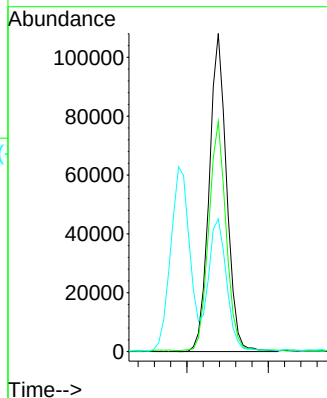
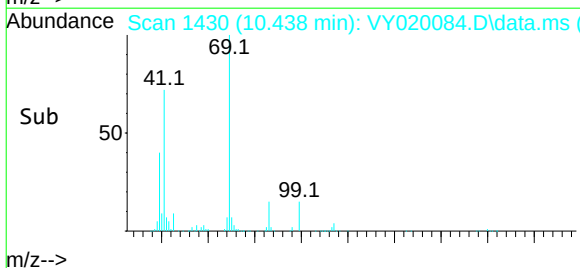
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

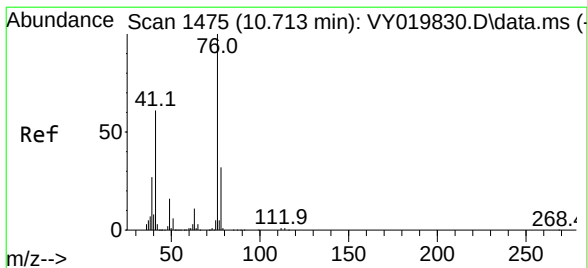


#56
Ethyl methacrylate
Concen: 50.747 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



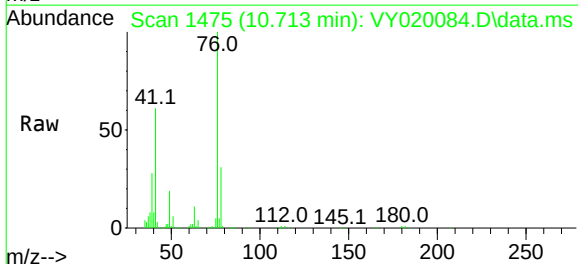
Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.7	42.3	63.5#
39	42.9	22.9	34.3#





#57
1,3-Dichloropropane
Concen: 48.446 ug/l
RT: 10.713 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

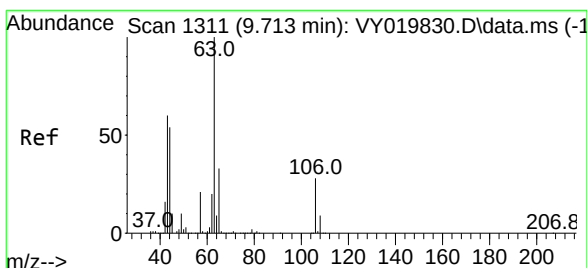
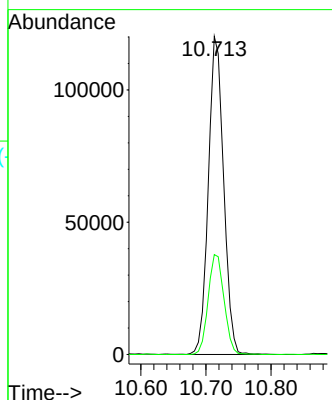
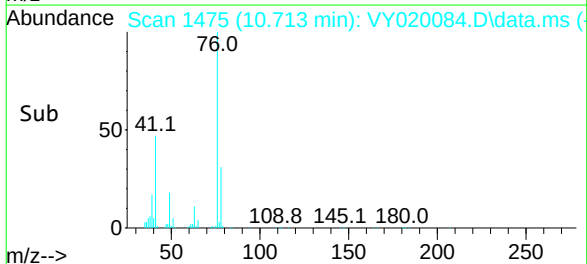
Instrument : MSVOA_Y
ClientSampleId : ICVVY103024



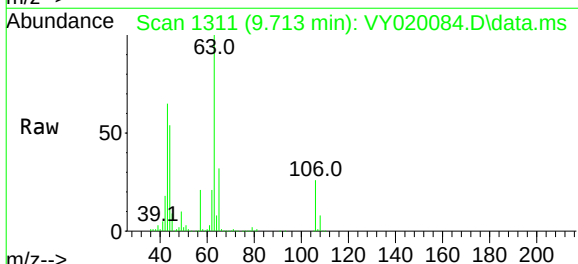
Tgt Ion: 76 Resp: 196046
Ion Ratio Lower Upper
76 100
78 32.6 26.2 39.4

Manual Integrations
APPROVED

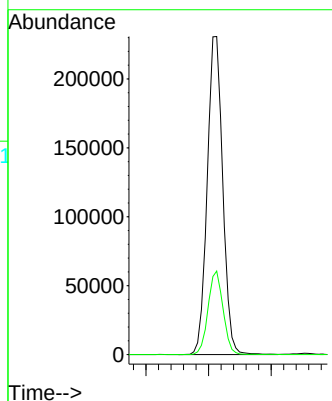
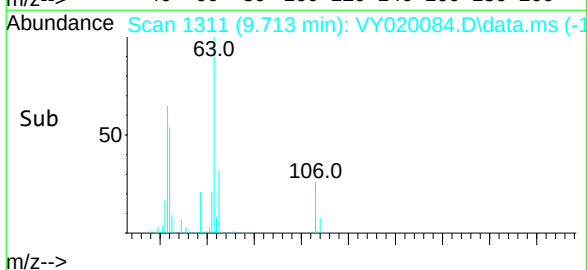
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

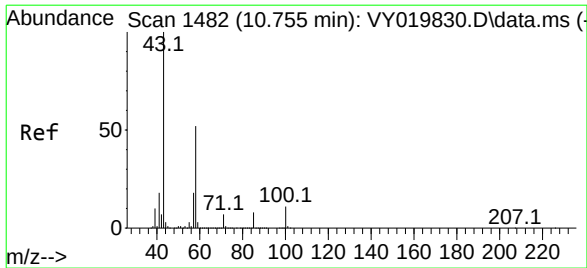


#58
2-Chloroethyl Vinyl ether
Concen: 254.054 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



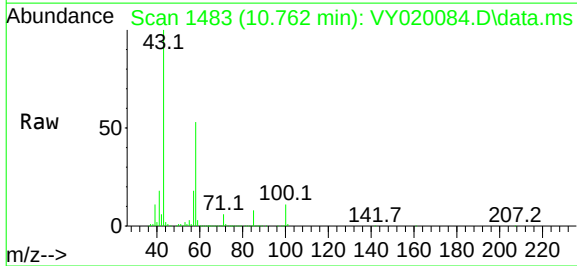
Tgt Ion: 63 Resp: 397151
Ion Ratio Lower Upper
63 100
106 25.4 23.7 35.5





#59
2-Hexanone
Concen: 263.341 ug/l
RT: 10.762 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

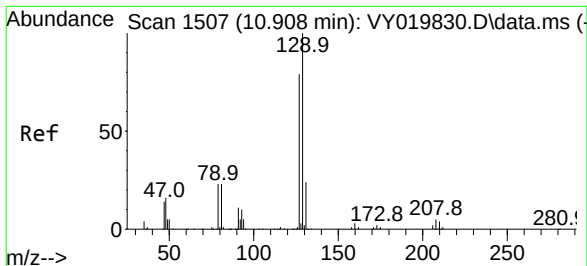
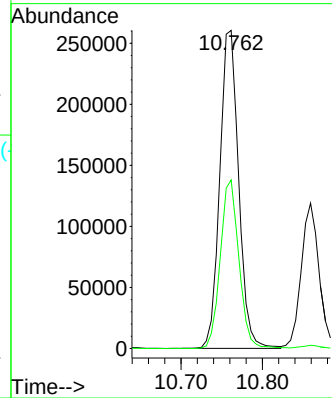
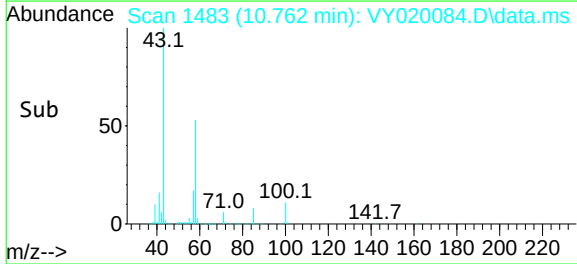
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



Tgt Ion: 43 Resp: 418906
Ion Ratio Lower Upper
43 100
58 52.4 31.4 94.0

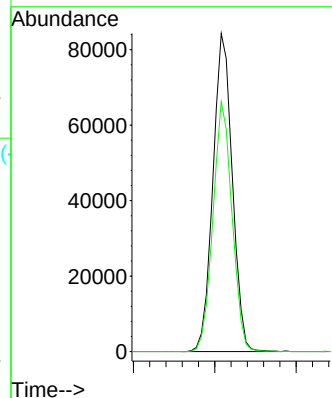
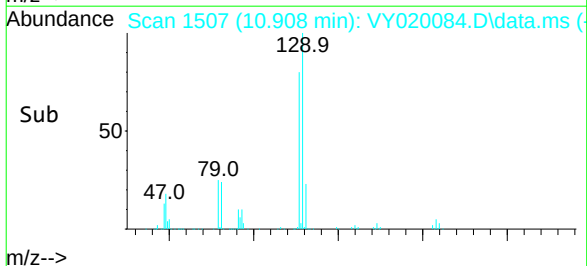
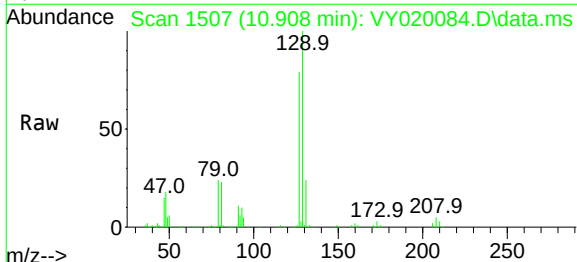
Manual Integrations
APPROVED

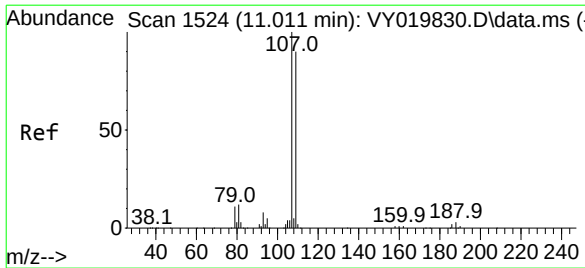
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#60
Dibromochloromethane
Concen: 49.363 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:129 Resp: 139046
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0





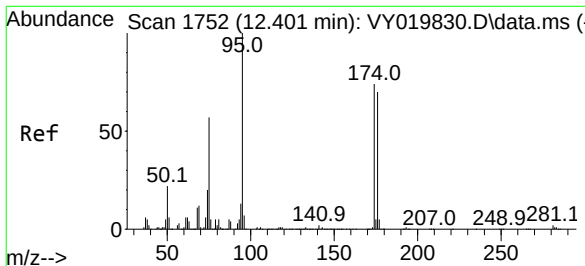
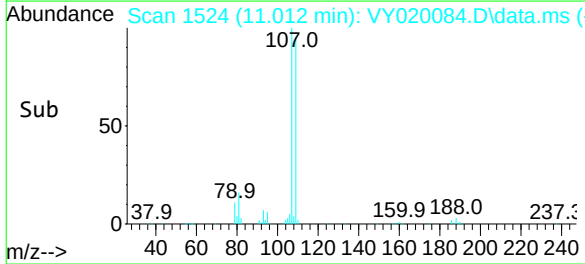
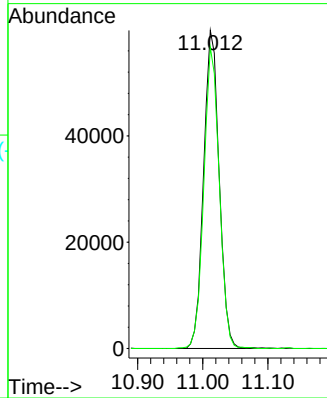
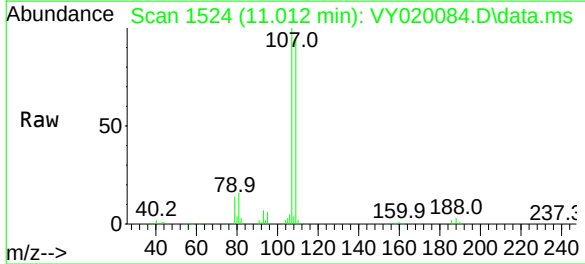
#61
1,2-Dibromoethane
Concen: 48.443 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion: 107 Resp: 99455
Ion Ratio Lower Upper
107 100
109 94.0 75.9 113.9

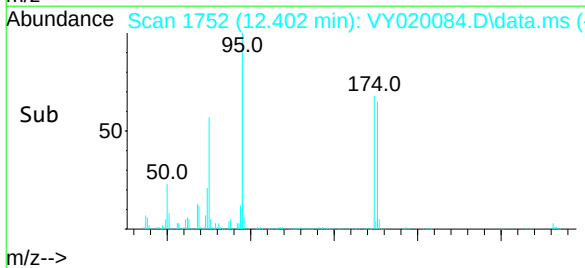
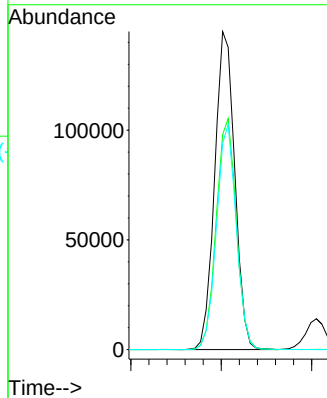
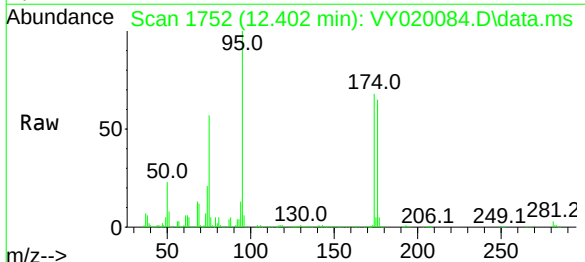
Manual Integrations
APPROVED

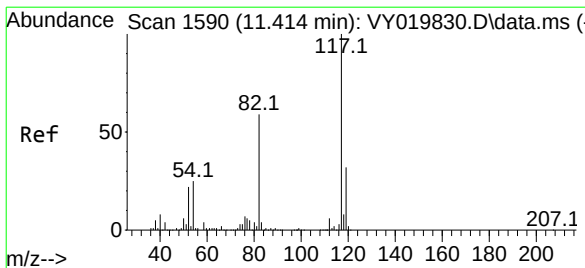
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#62
4-Bromofluorobenzene
Concen: 56.922 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

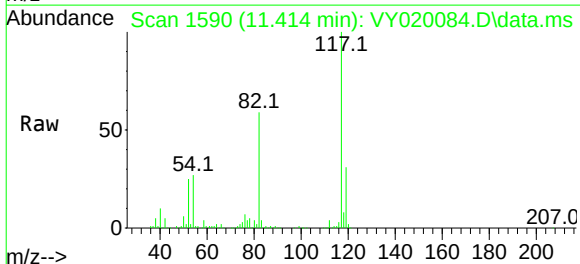
Tgt Ion: 95 Resp: 223767
Ion Ratio Lower Upper
95 100
174 72.6 0.0 175.6
176 69.4 0.0 171.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

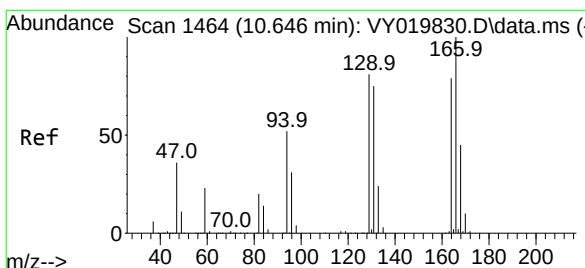
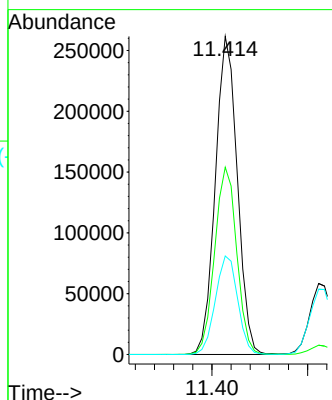
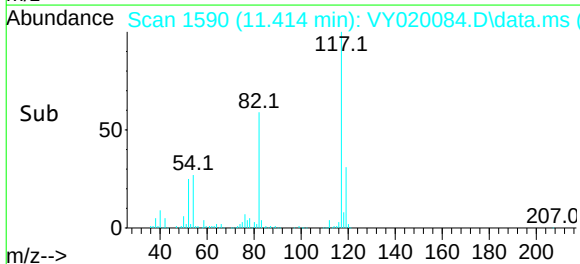
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



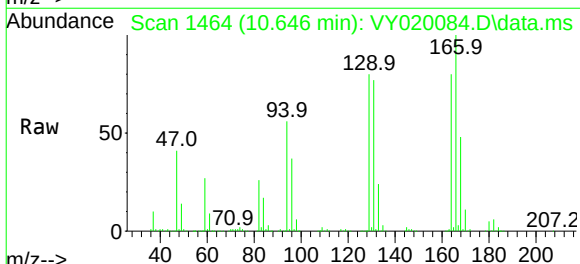
Tgt Ion:117 Resp: 417255
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.0 25.9 38.9

Manual Integrations
APPROVED

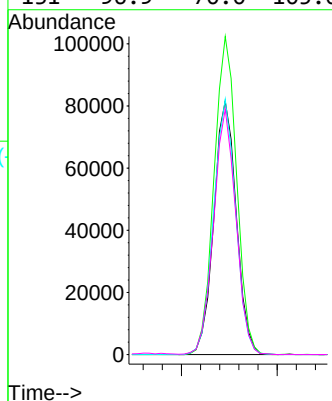
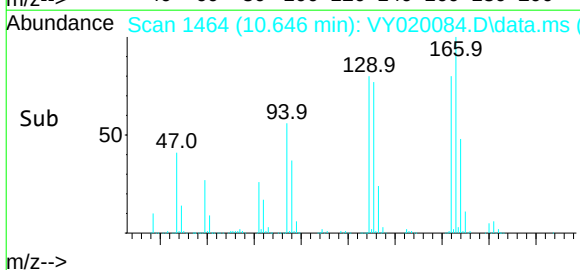
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

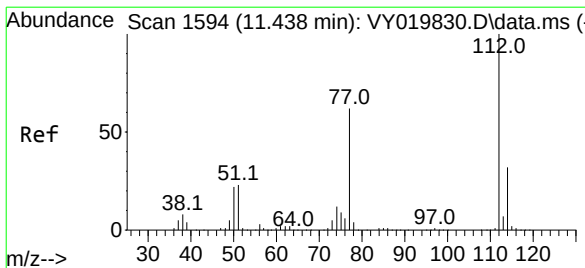


#64
Tetrachloroethene
Concen: 48.320 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



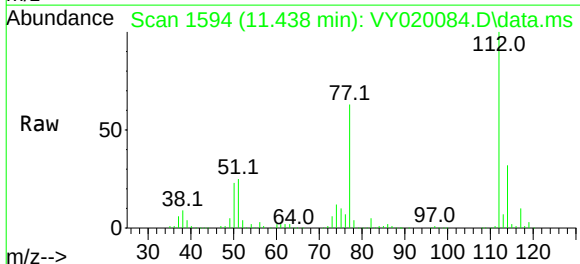
Tgt Ion:164 Resp: 133121
Ion Ratio Lower Upper
164 100
166 125.5 102.6 154.0
129 100.8 72.0 108.0
131 96.9 70.0 105.0





#65
Chlorobenzene
Concen: 47.091 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

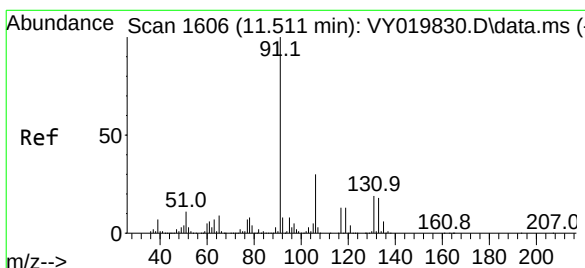
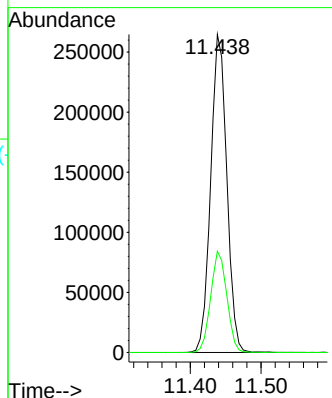
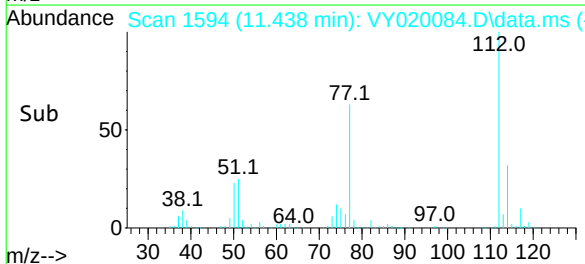
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



Tgt Ion:112 Resp: 418677
Ion Ratio Lower Upper
112 100
114 31.8 26.4 39.6

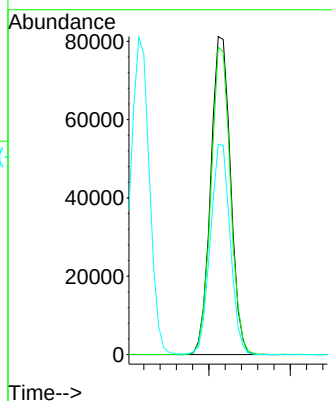
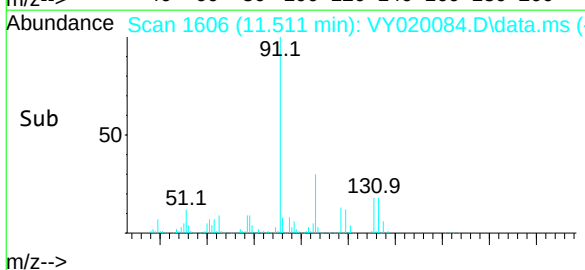
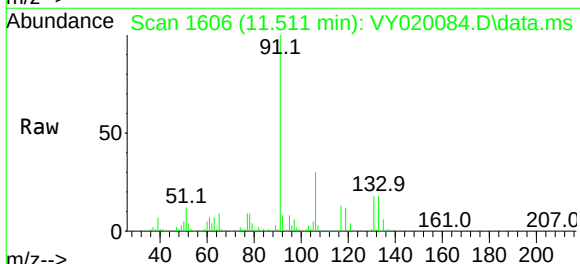
Manual Integrations
APPROVED

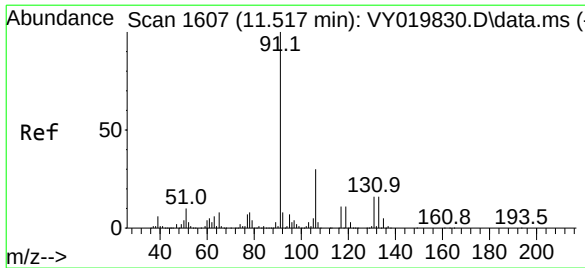
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 48.387 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:131 Resp: 137443
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 66.0 34.1 102.2





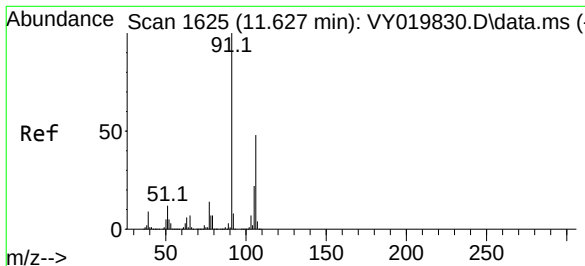
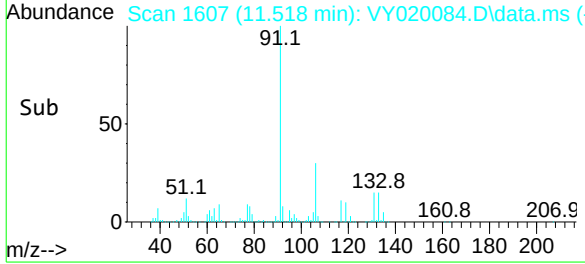
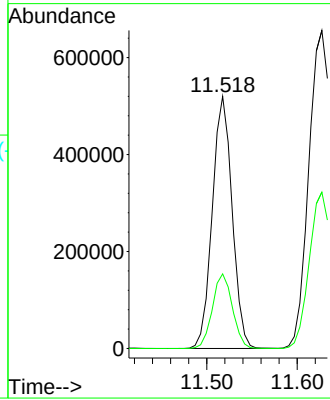
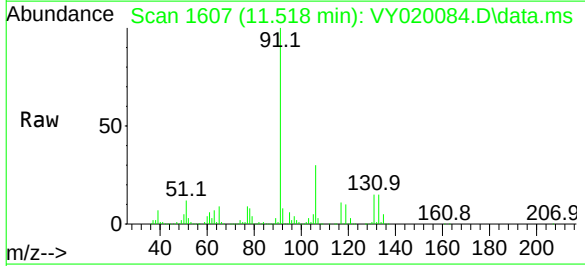
#67
Ethyl Benzene
Concen: 47.708 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion: 91 Resp: 792892
Ion Ratio Lower Upper
91 100
106 29.6 24.5 36.7

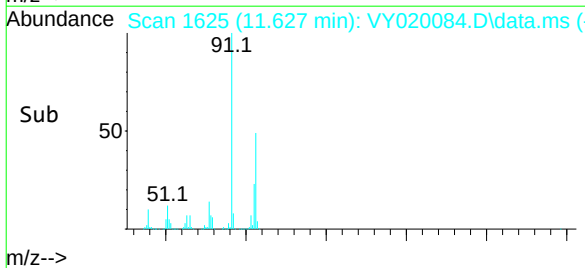
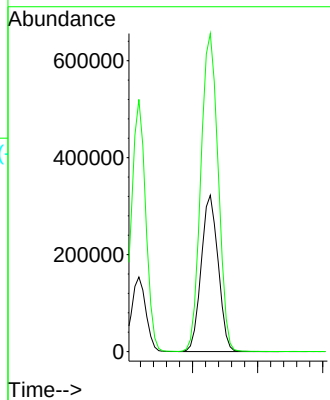
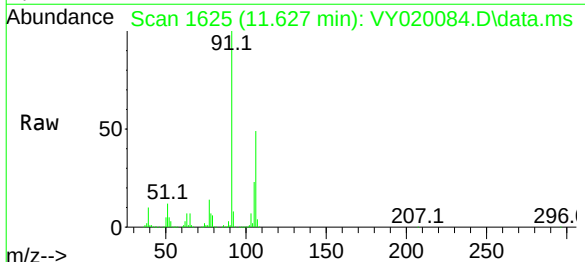
Manual Integrations
APPROVED

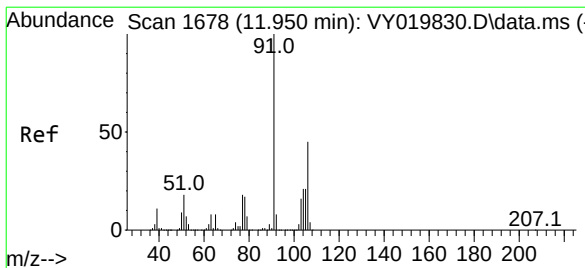
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#68
m/p-Xylenes
Concen: 95.866 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:106 Resp: 582919
Ion Ratio Lower Upper
106 100
91 207.8 156.0 234.0





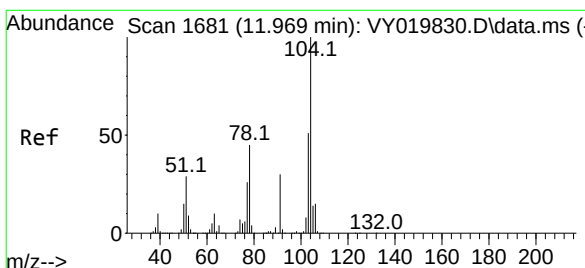
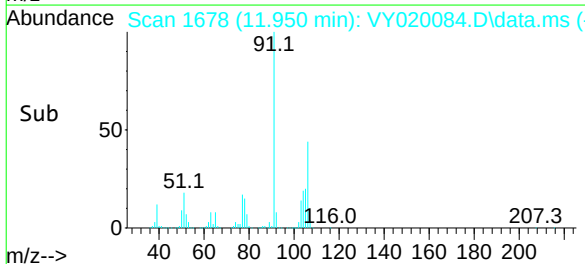
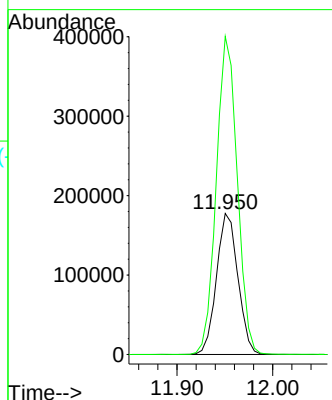
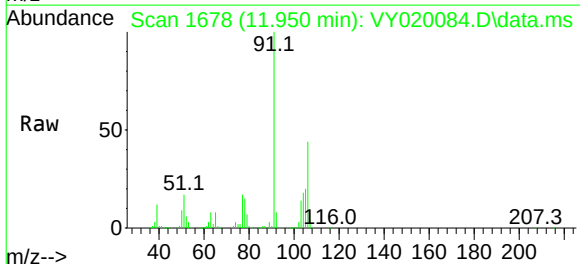
#69
o-Xylene
Concen: 47.919 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Tgt Ion:106 Resp: 275864
Ion Ratio Lower Upper
106 100
91 221.0 103.6 310.8

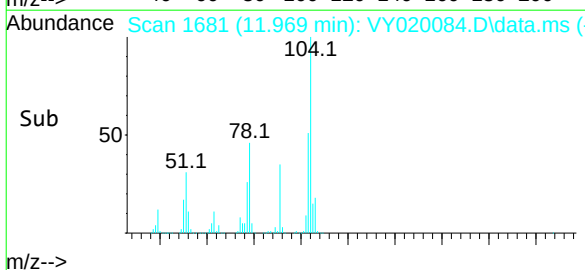
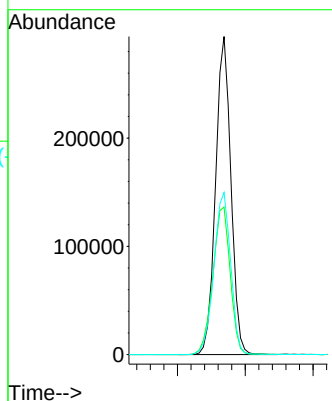
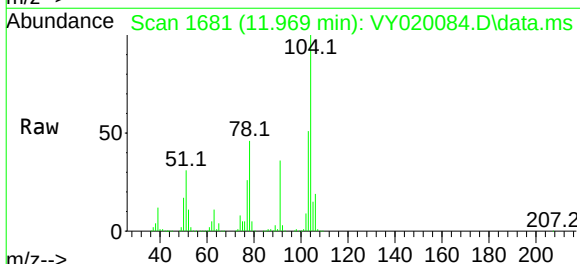
Manual Integrations
APPROVED

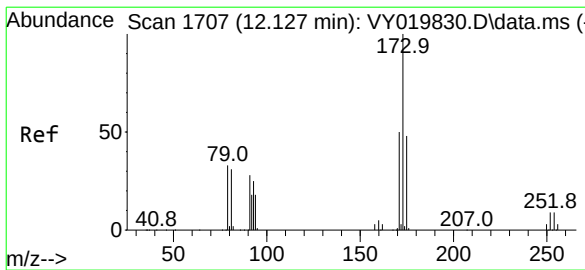
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#70
Styrene
Concen: 48.497 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:104 Resp: 461614
Ion Ratio Lower Upper
104 100
78 52.6 37.0 55.4
103 55.8 44.2 66.2





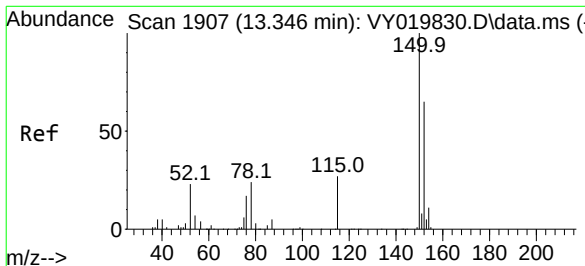
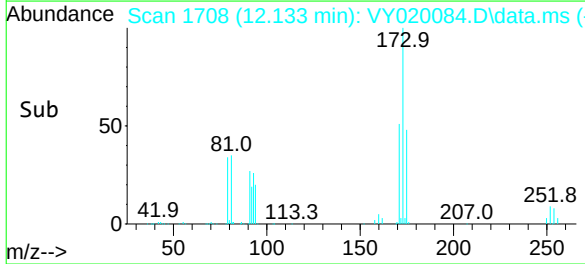
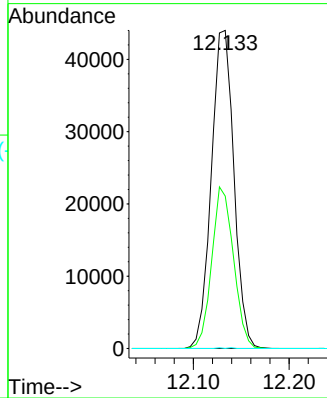
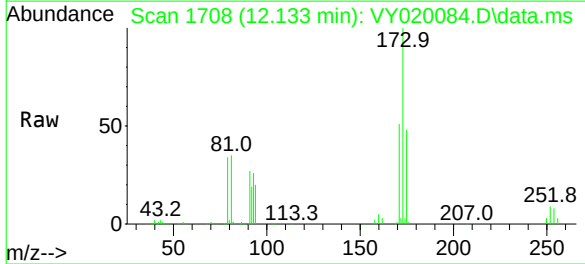
#71
Bromoform
Concen: 49.567 ug/l
RT: 12.133 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVY103024

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	25.1	75.3
254	0.1	0.0	0.0

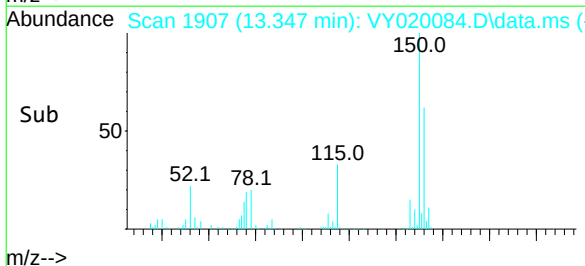
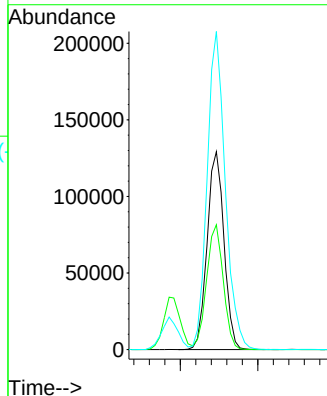
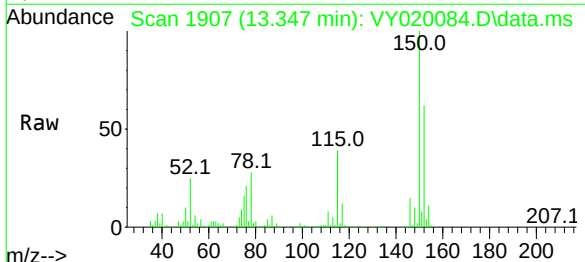
Manual Integrations
APPROVED

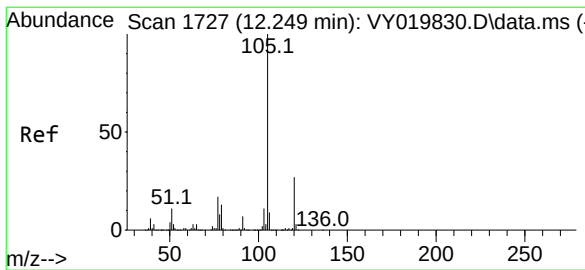
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

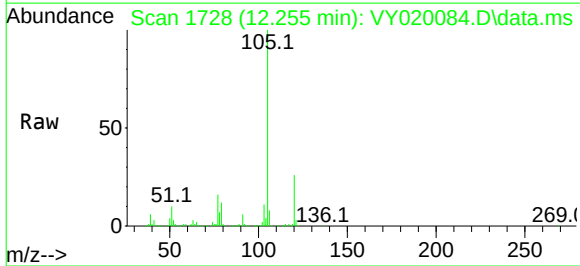
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	28.2	84.7
150	173.1	0.0	345.6





#73
Isopropylbenzene
Concen: 47.834 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

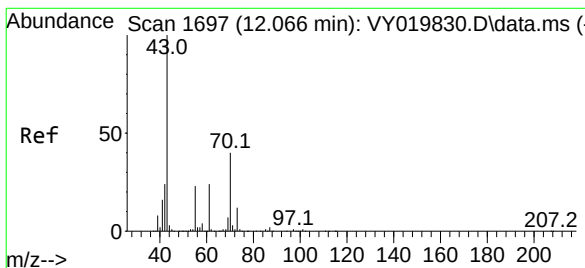
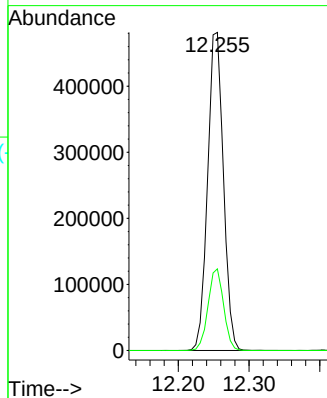
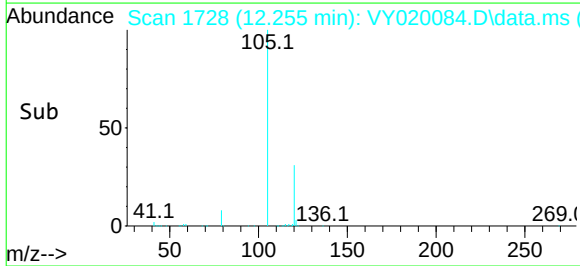
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



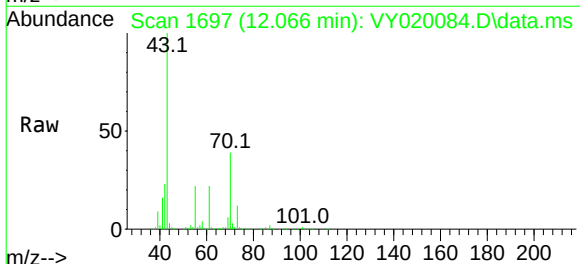
Tgt Ion: 105 Resp: 745963
Ion Ratio Lower Upper
105 100
120 25.3 13.4 40.1

Manual Integrations
APPROVED

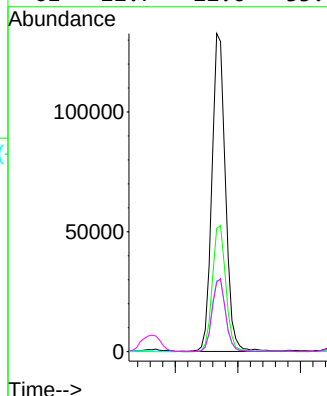
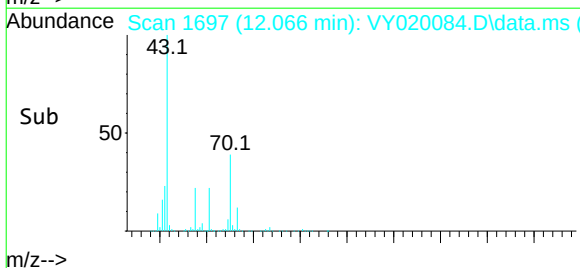
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

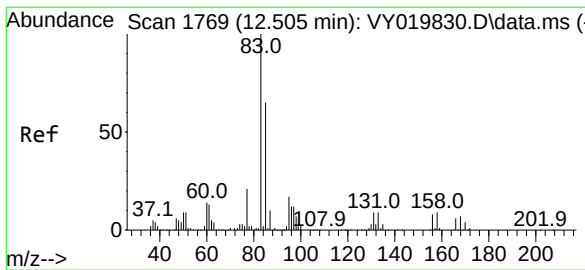


#74
N-ethyl acetate
Concen: 51.243 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



Tgt Ion: 43 Resp: 199760
Ion Ratio Lower Upper
43 100
70 39.5 41.4 62.2#
55 23.2 23.3 34.9#
61 22.7 22.6 33.8





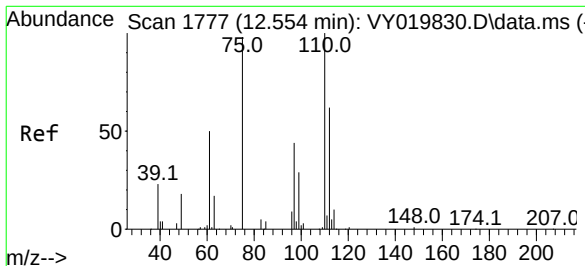
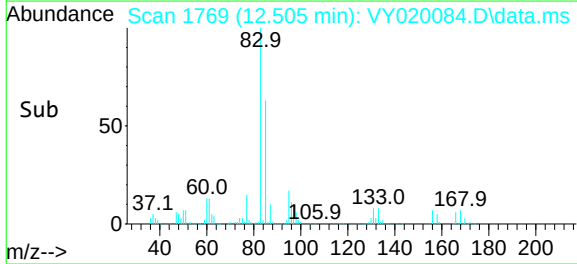
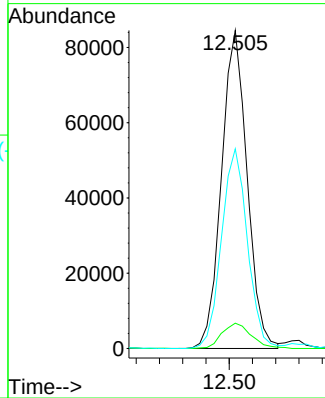
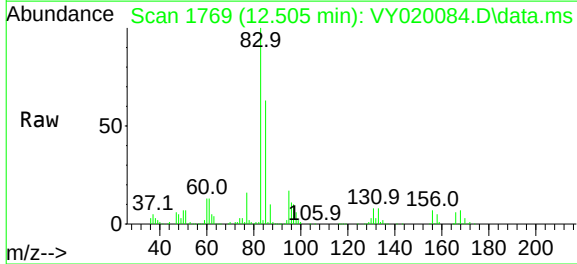
#75
1,1,2,2-Tetrachloroethane
Concen: 47.502 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument : MSVOA_Y
ClientSampleId : ICVVY103024

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.0	14.9
85	63.4	32.0	96.0

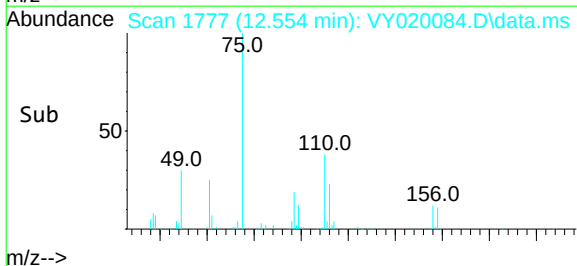
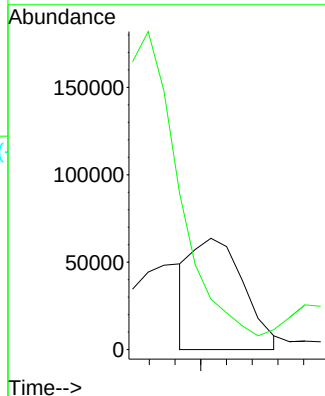
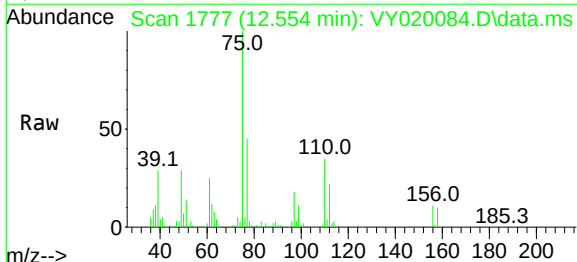
Manual Integrations
APPROVED

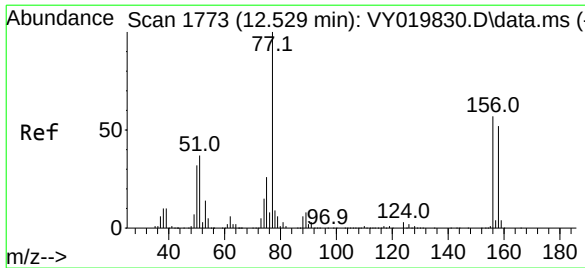
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#76
1,2,3-Trichloropropane
Concen: 49.007 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

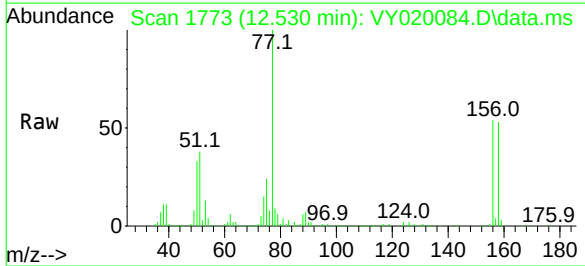
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
 Bromobenzene
 Concen: 48.392 ug/l
 RT: 12.530 min Scan# 1773
 Delta R.T. -0.006 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

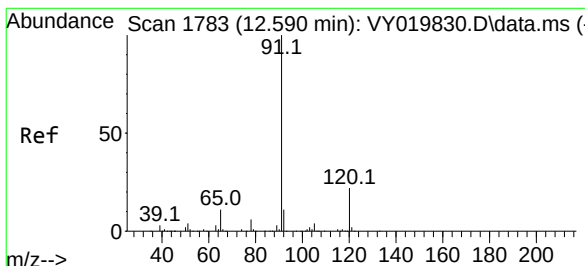
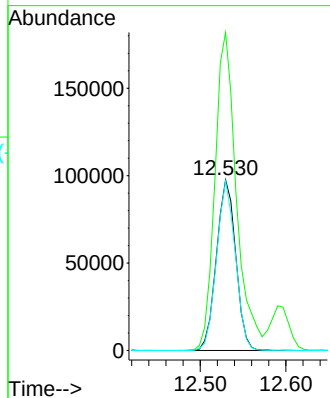
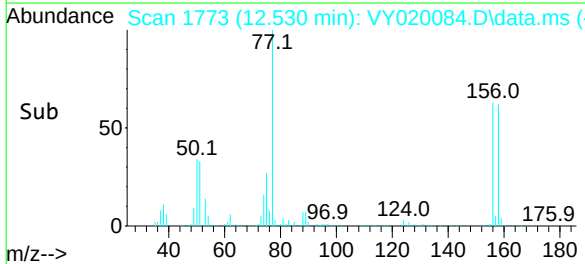
Instrument : MSVOA_Y
 ClientSampleId : ICVVY103024



Tgt Ion	Ratio	Lower	Upper
156	100		
77	207.4	87.1	261.3
158	96.8	48.6	145.9

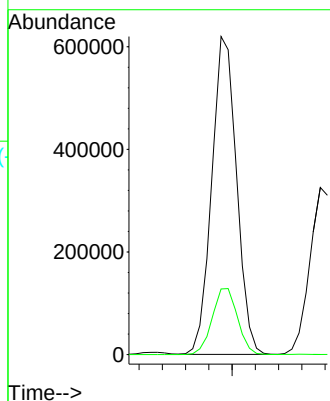
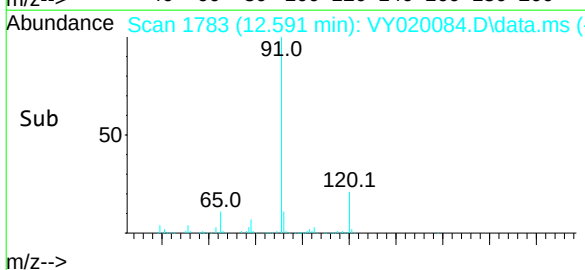
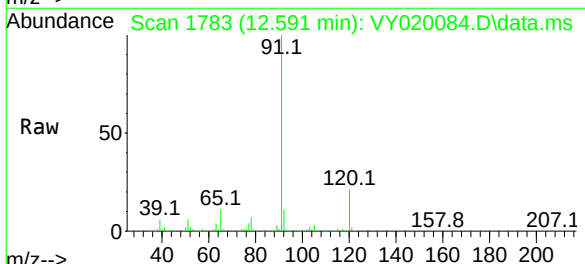
Manual Integrations
 APPROVED

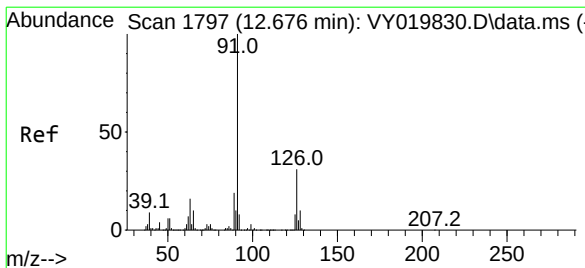
Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024



#78
 n-propylbenzene
 Concen: 47.385 ug/l
 RT: 12.591 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: VY020084.D
 Acq: 31 Oct 2024 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	11.5	34.4





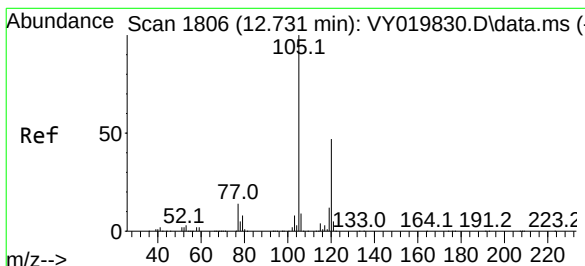
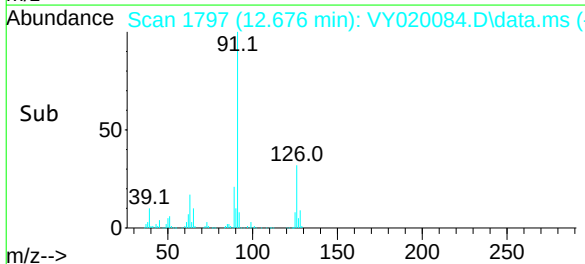
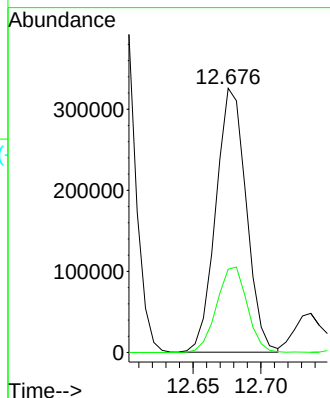
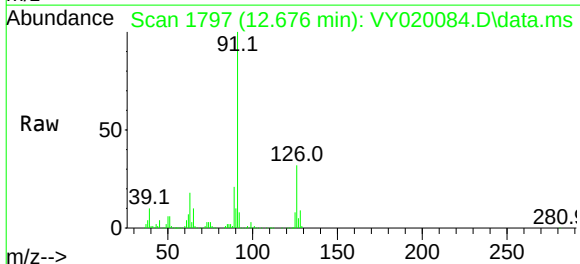
#79
2-Chlorotoluene
Concen: 47.208 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument : MSVOA_Y
ClientSampleId : ICVVY103024

Tgt Ion: 91 Resp: 508597
Ion Ratio Lower Upper
91 100
126 32.5 17.8 53.5

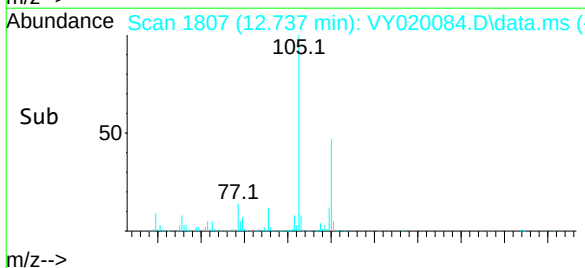
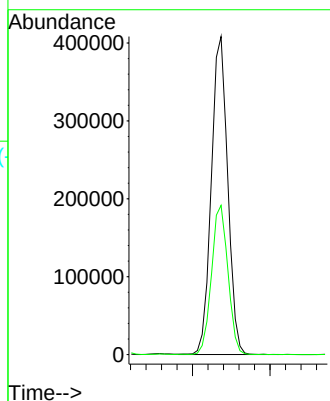
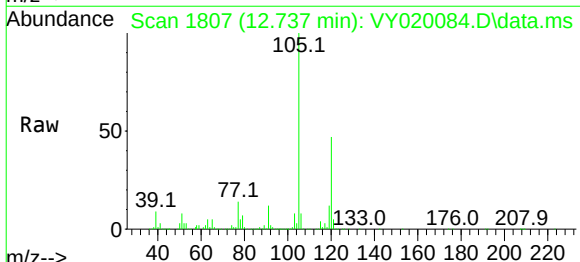
Manual Integrations
APPROVED

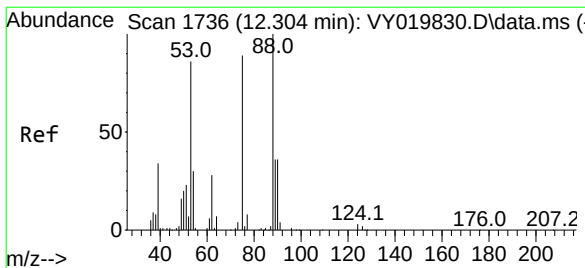
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#80
1,3,5-Trimethylbenzene
Concen: 47.840 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

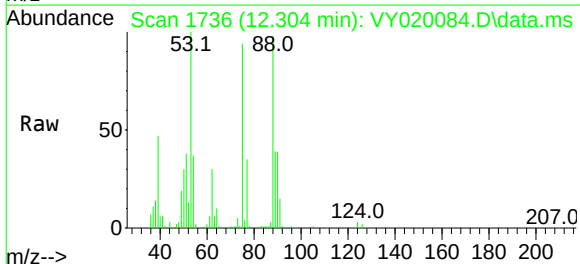
Tgt Ion:105 Resp: 598955
Ion Ratio Lower Upper
105 100
120 46.9 25.1 75.2





#81
trans-1,4-Dichloro-2-butene
Concen: 49.454 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

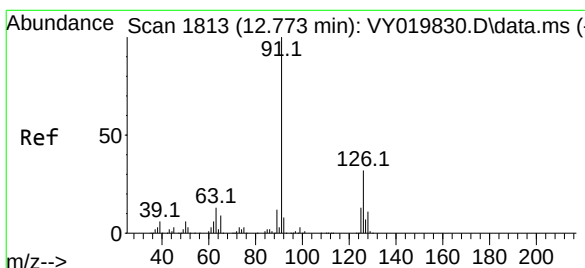
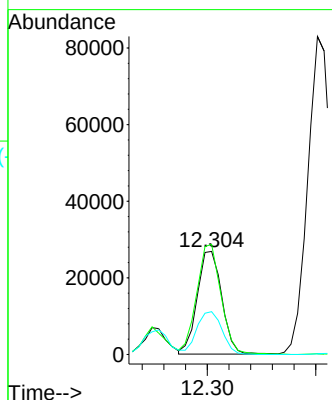
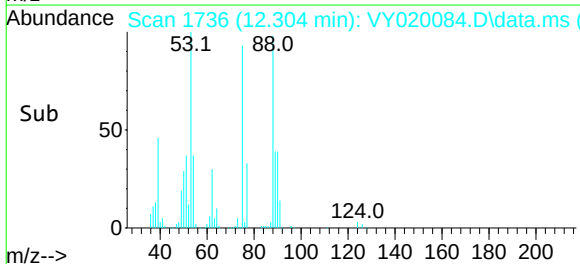
Instrument : MSVOA_Y
ClientSampleId : ICVVY103024



Tgt Ion: 75 Resp: 42073
Ion Ratio Lower Upper
75 100
53 107.0 66.8 100.2
89 42.5 35.8 53.6

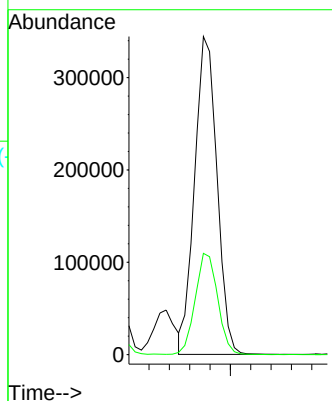
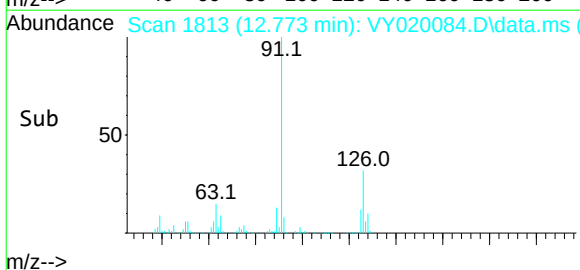
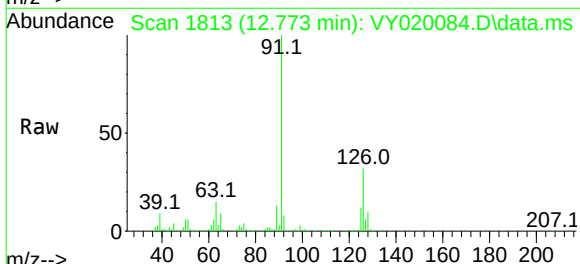
Manual Integrations
APPROVED

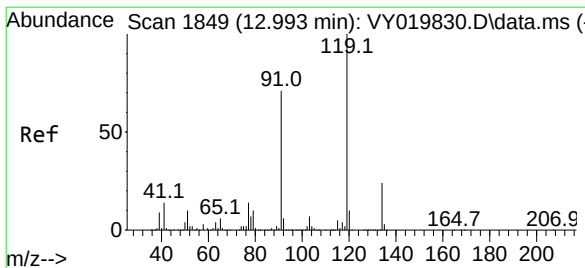
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#82
4-Chlorotoluene
Concen: 47.890 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion: 91 Resp: 526060
Ion Ratio Lower Upper
91 100
126 32.0 17.6 52.9





#83

tert-Butylbenzene

Concen: 49.171 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020084.D

Acq: 31 Oct 2024 10:43

Instrument :

MSVOA_Y

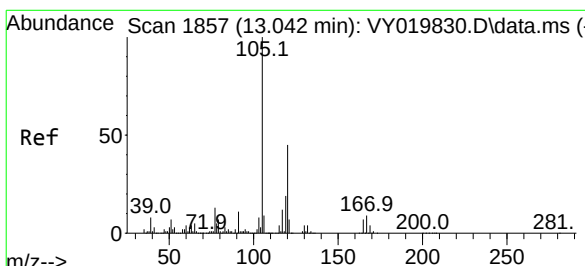
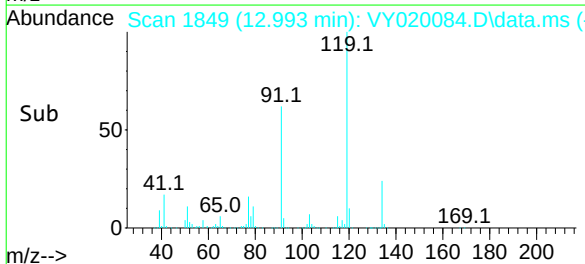
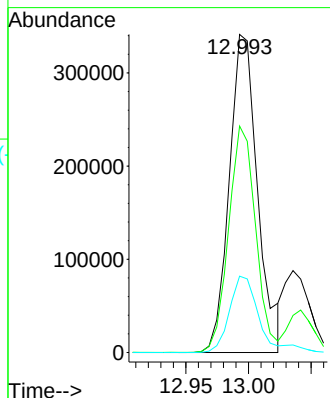
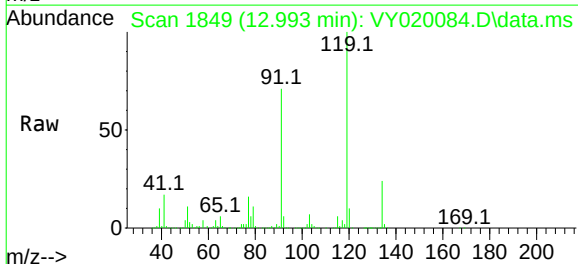
ClientSampleId :

ICVY103024

Tgt Ion:	119	Resp:	538319
Ion	Ratio	Lower	Upper
119	100		
91	67.7	31.3	93.8
134	25.1	13.4	40.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#84

1,2,4-Trimethylbenzene

Concen: 48.091 ug/l

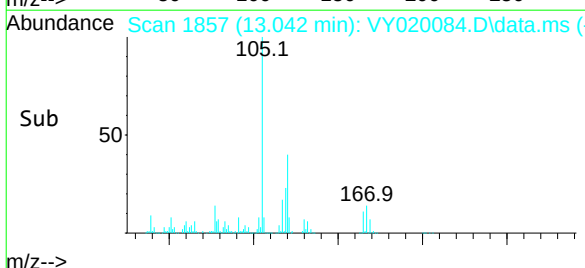
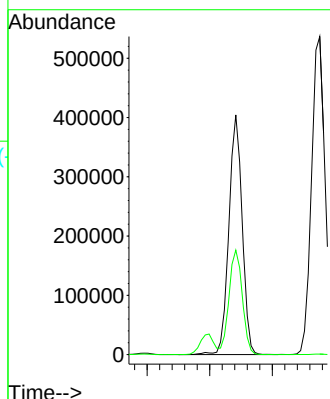
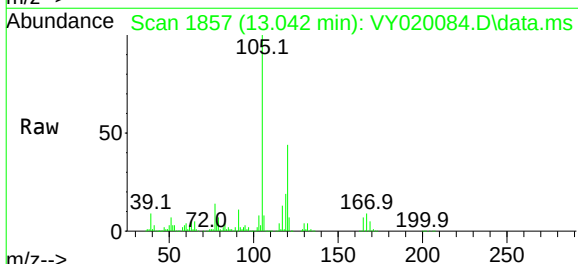
RT: 13.042 min Scan# 1857

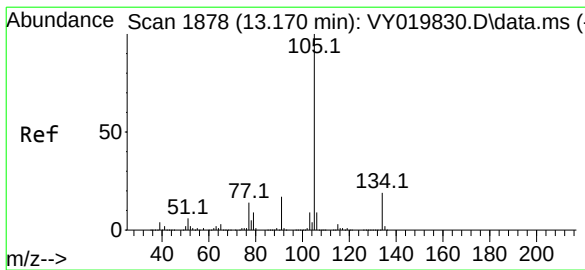
Delta R.T. -0.006 min

Lab File: VY020084.D

Acq: 31 Oct 2024 10:43

Tgt Ion:	105	Resp:	596361
Ion	Ratio	Lower	Upper
105	100		
120	44.0	23.2	69.6





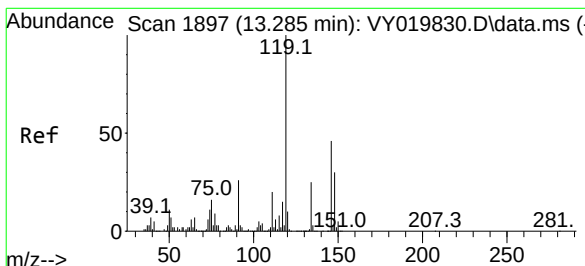
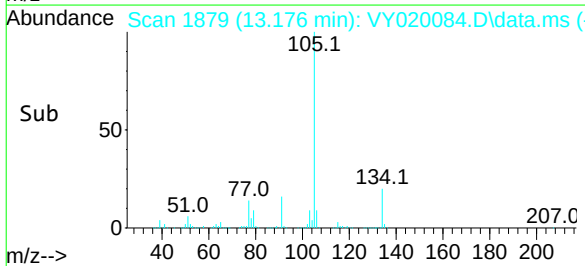
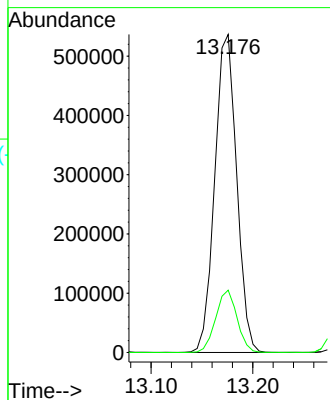
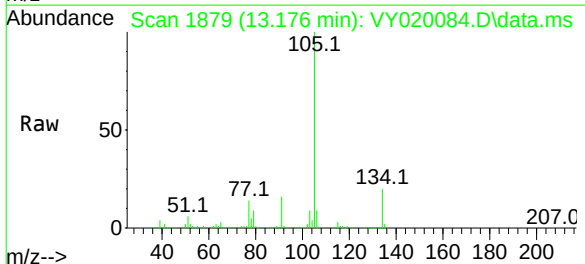
#85
sec-Butylbenzene
Concen: 47.819 ug/l
RT: 13.176 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument : MSVOA_Y
ClientSampleId : ICVVY103024

Tgt Ion:105 Resp: 803695
Ion Ratio Lower Upper
105 100
134 19.1 10.1 30.1

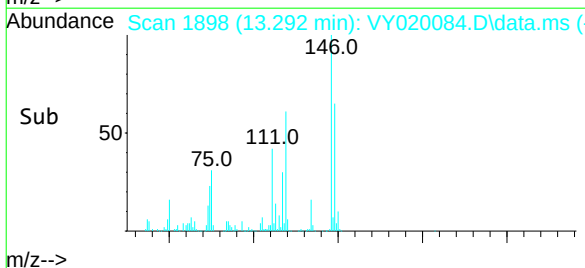
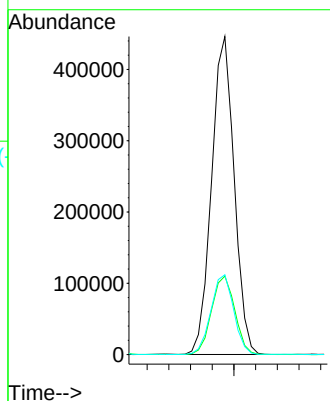
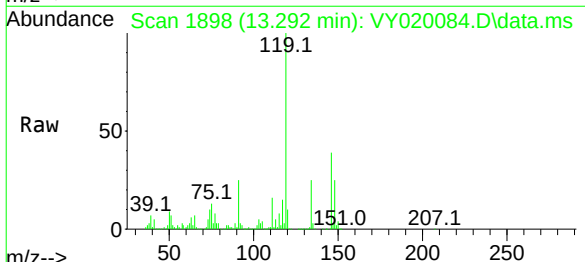
Manual Integrations
APPROVED

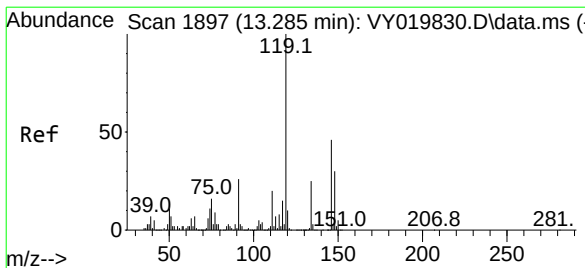
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#86
p-Isopropyltoluene
Concen: 47.847 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

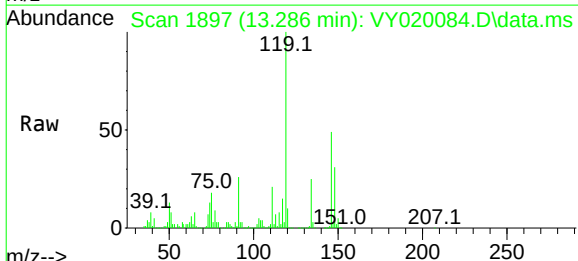
Tgt Ion:119 Resp: 645311
Ion Ratio Lower Upper
119 100
134 25.3 13.1 39.3
91 25.2 10.7 32.1





#87
1,3-Dichlorobenzene
Concen: 47.274 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

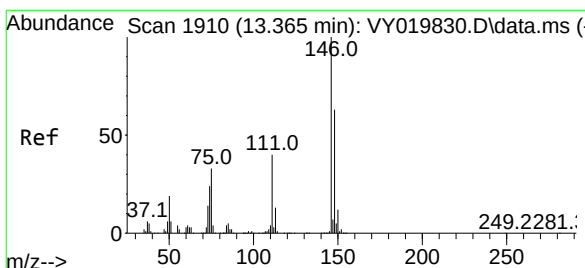
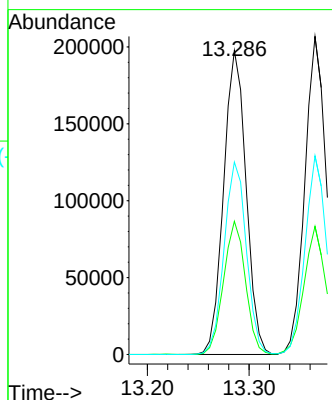
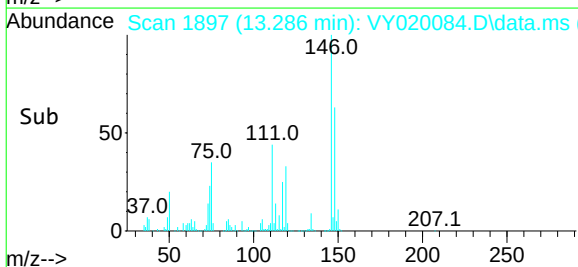
Instrument :
MSVOA_Y
ClientSampleId :
ICVY103024



Tgt Ion:146 Resp: 302894
Ion Ratio Lower Upper
146 100
111 42.7 19.0 57.0
148 63.0 31.7 95.1

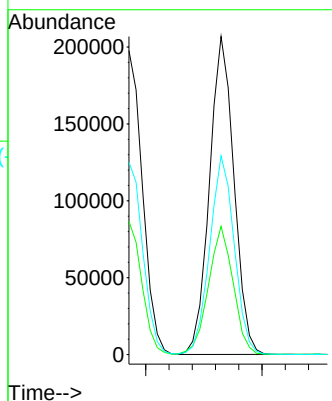
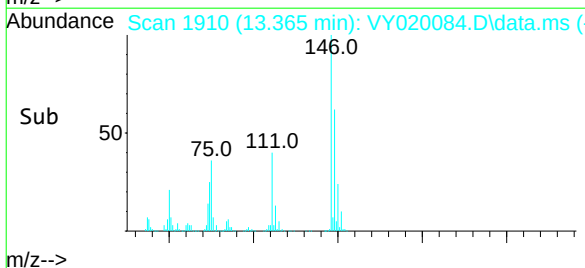
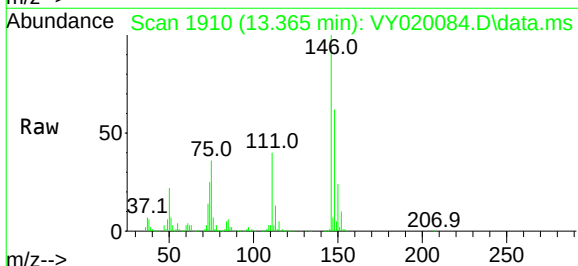
Manual Integrations
APPROVED

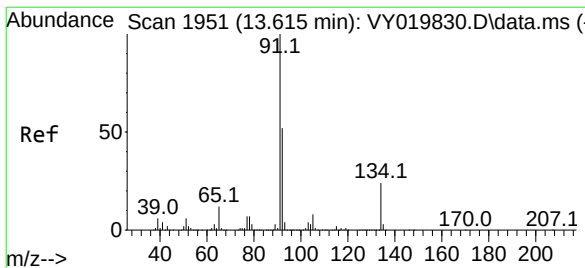
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#88
1,4-Dichlorobenzene
Concen: 47.484 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:146 Resp: 302974
Ion Ratio Lower Upper
146 100
111 40.5 18.4 55.4
148 62.7 32.4 97.2





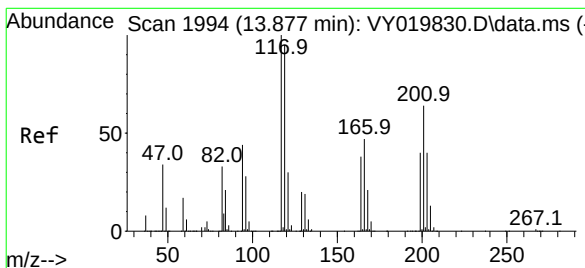
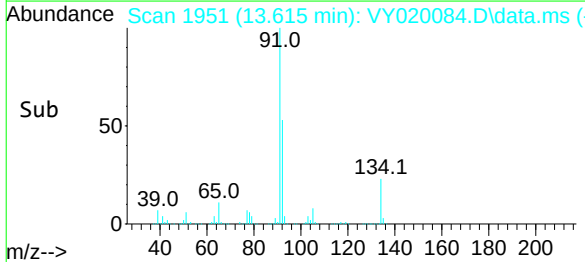
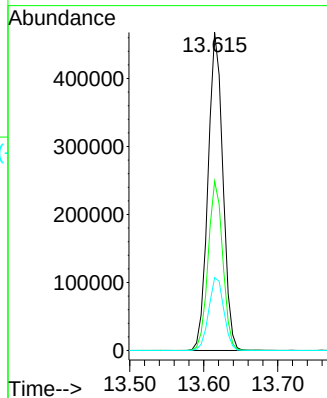
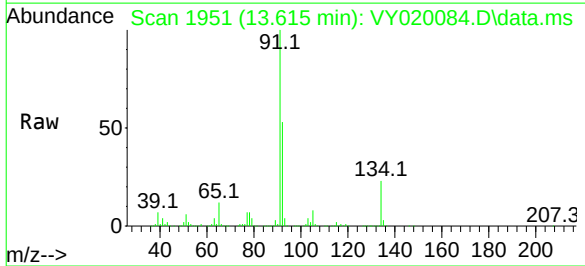
#89
n-Butylbenzene
Concen: 48.218 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Instrument :
MSVOA_Y
ClientSampleId :
ICVY103024

Tgt Ion:	91	Resp:	651898
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.7
134	23.3	12.9	38.7

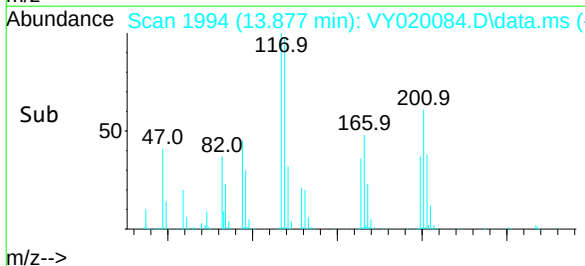
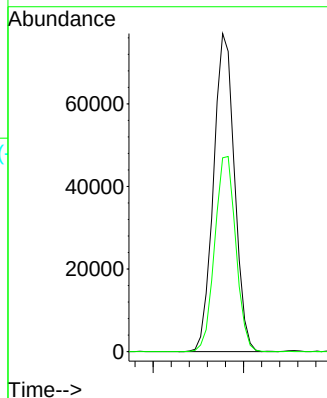
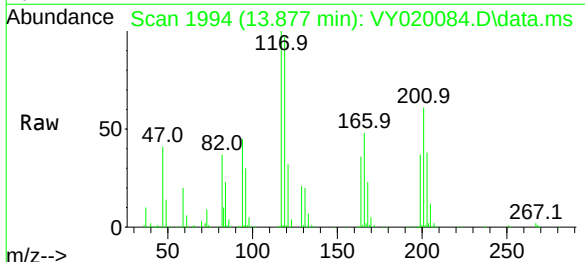
Manual Integrations
APPROVED

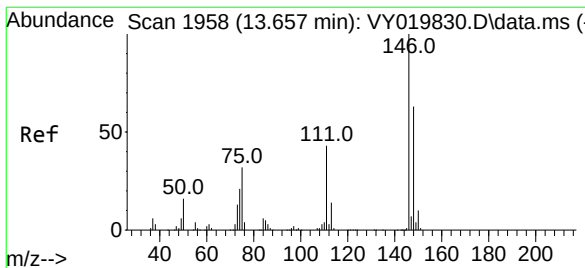
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#90
Hexachloroethane
Concen: 46.606 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

Tgt Ion:	117	Resp:	124311
Ion	Ratio	Lower	Upper
117	100		
201	61.6	37.4	112.2





#91

1,2-Dichlorobenzene

Concen: 47.617 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020084.D

Acq: 31 Oct 2024 10:43

Instrument :

MSVOA_Y

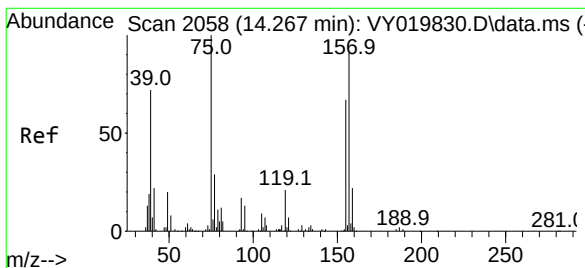
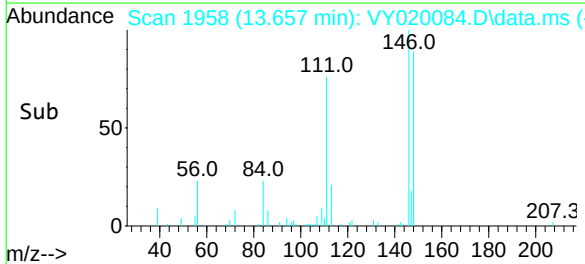
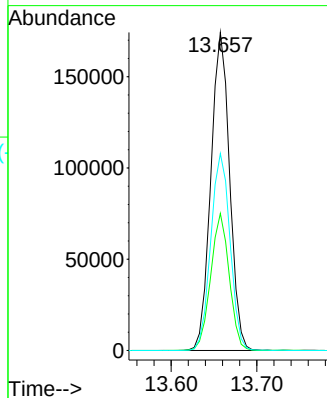
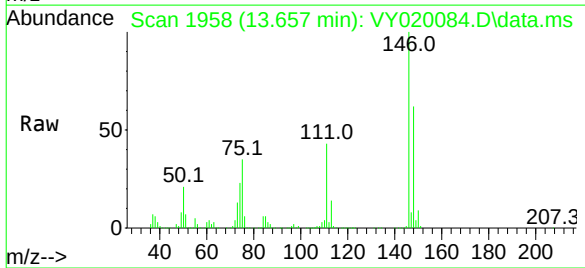
ClientSampleId :

ICVVY103024

Tgt Ion:	146	Resp:	265185
Ion Ratio	Lower	Upper	
146	100		
111	42.6	19.9	59.7
148	63.6	31.8	95.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.273 ug/l

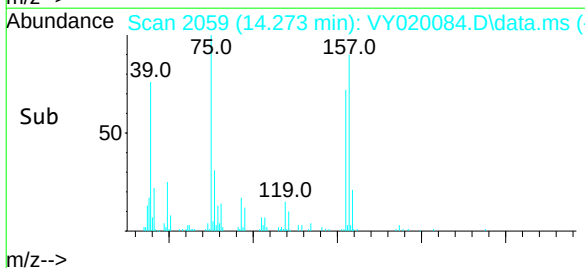
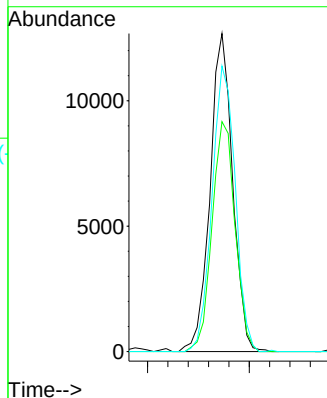
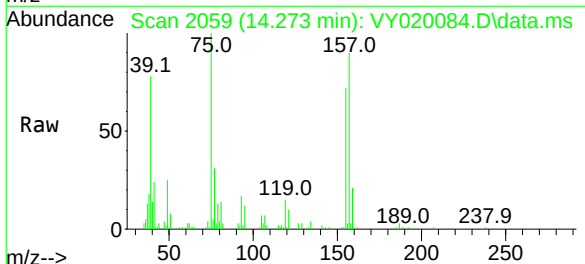
RT: 14.273 min Scan# 2059

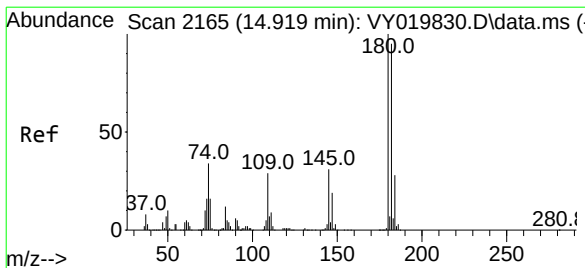
Delta R.T. 0.000 min

Lab File: VY020084.D

Acq: 31 Oct 2024 10:43

Tgt Ion:	75	Resp:	19553
Ion Ratio	Lower	Upper	
75	100		
155	73.9	48.6	145.8
157	92.1	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 46.542 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020084.D

Acq: 31 Oct 2024 10:43

Instrument :

MSVOA_Y

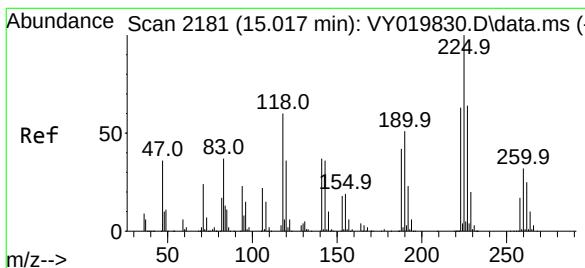
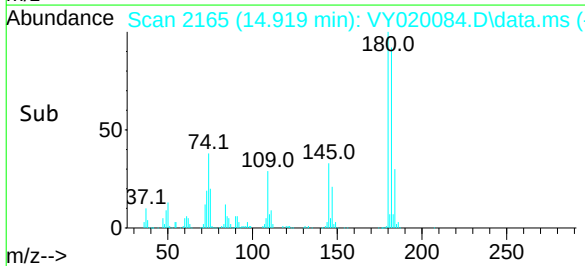
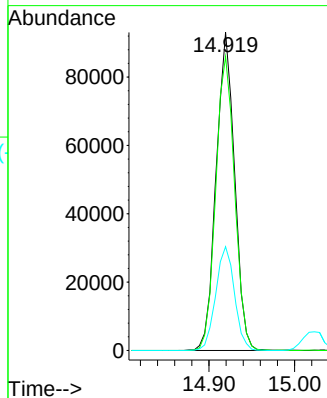
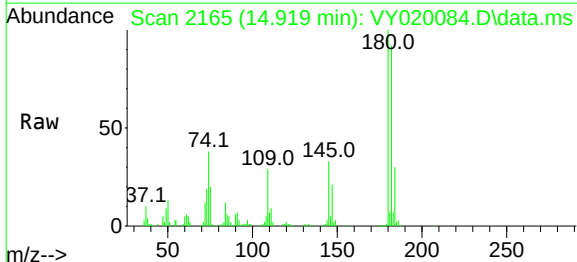
ClientSampleId :

ICVY103024

Tgt Ion:	180	Resp:	139241
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.8
145	33.2	14.2	42.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#94

Hexachlorobutadiene

Concen: 46.172 ug/l

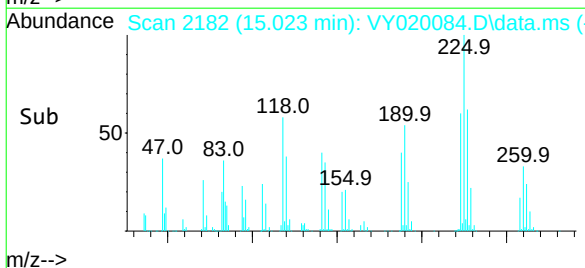
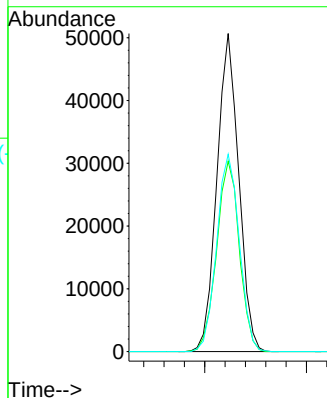
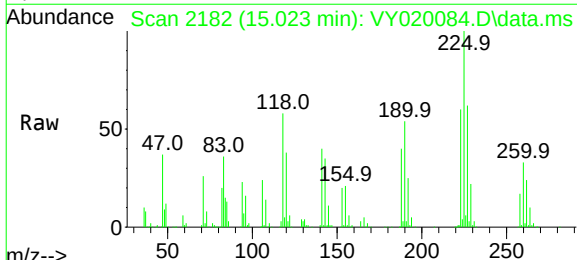
RT: 15.023 min Scan# 2182

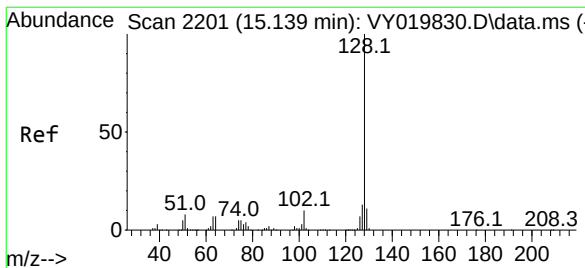
Delta R.T. 0.000 min

Lab File: VY020084.D

Acq: 31 Oct 2024 10:43

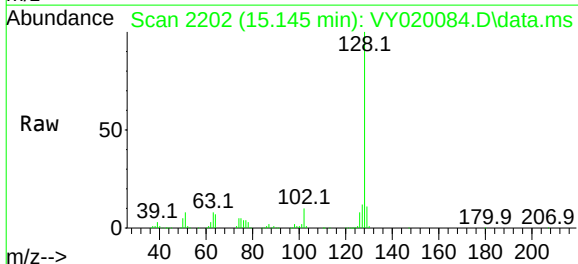
Tgt Ion:	225	Resp:	75535
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.4	91.2
227	64.4	31.9	95.9





#95
Naphthalene
Concen: 48.517 ug/l
RT: 15.145 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43

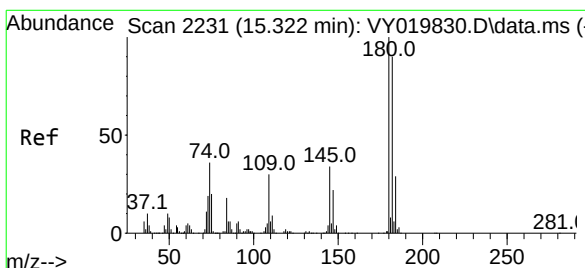
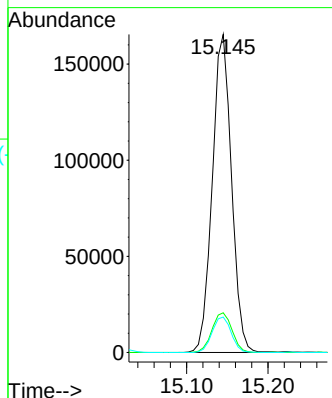
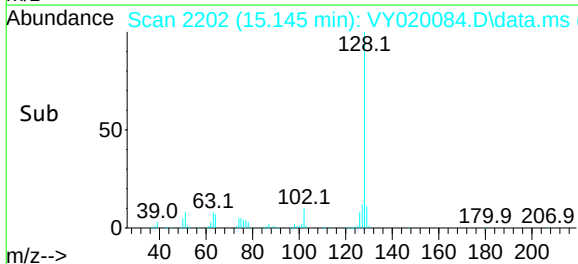
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024



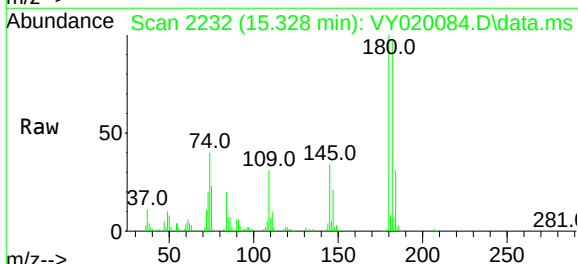
Tgt Ion:128 Resp: 271331
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.1 8.6 13.0

Manual Integrations
APPROVED

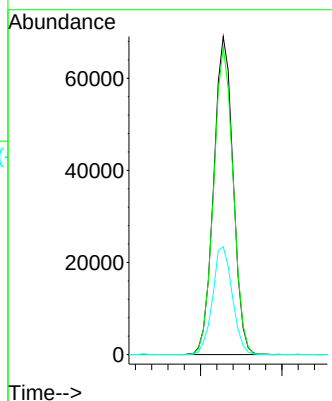
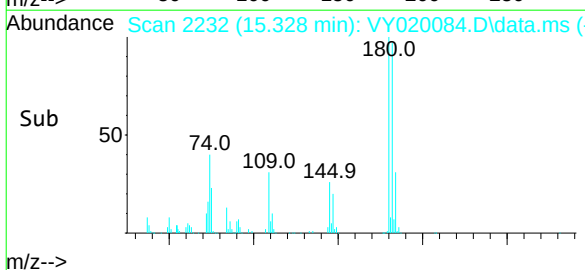
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 45.071 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY020084.D
Acq: 31 Oct 2024 10:43



Tgt Ion:180 Resp: 114461
Ion Ratio Lower Upper
180 100
182 97.0 47.6 142.9
145 34.5 15.4 46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020084.D
Acq On : 31 Oct 2024 10:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Nov 01 04:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	106	0.00
2 T	Dichlorodifluoromethane	0.463	0.428	7.6	119	0.00
3 P	Chloromethane	0.767	0.677	11.7	105	0.00
4 C	Vinyl Chloride	0.823	0.735	10.7#	104	0.00
5 T	Bromomethane	0.546	0.468	14.3	104	0.00
6 T	Chloroethane	0.531	0.469	11.7	102	0.00
7 T	Trichlorofluoromethane	1.005	0.916	8.9	105	0.00
8 T	Diethyl Ether	0.280	0.274	2.1	116	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.564	0.525	6.9	109	0.00
10 T	Methyl Iodide	0.544	0.545	-0.2	112	0.00
11 T	Tert butyl alcohol	0.045	0.040	11.1	128	0.00
12 CM	1,1-Dichloroethene	0.540	0.511	5.4#	110	0.00
13 T	Acrolein	0.056	0.053	5.4	113	0.00
14 T	Allyl chloride	0.973	0.938	3.6	109	0.00
15 T	Acrylonitrile	0.128	0.128	0.0	117	0.00
16 T	Acetone	0.145	0.159	-9.7	121	0.00
17 T	Carbon Disulfide	1.796	1.681	6.4	107	0.00
18 T	Methyl Acetate	0.340	0.335	1.5	112	0.00
19 T	Methyl tert-butyl Ether	1.357	1.350	0.5	116	0.00
20 T	Methylene Chloride	0.652	0.567	13.0	108	0.00
21 T	trans-1,2-Dichloroethene	0.609	0.577	5.3	109	0.00
22 T	Diisopropyl ether	2.020	1.970	2.5	111	0.00
23 T	Vinyl Acetate	1.137	1.150	-1.1	116	0.00
24 P	1,1-Dichloroethane	1.170	1.101	5.9	109	0.00
25 T	2-Butanone	0.197	0.202	-2.5	120	0.00
26 T	2,2-Dichloropropane	0.973	0.915	6.0	110	0.00
27 T	cis-1,2-Dichloroethene	0.700	0.654	6.6	108	0.00
28 T	Bromochloromethane	0.548	0.525	4.2	111	0.00
29 T	Tetrahydrofuran	0.114	0.116	-1.8	119	0.00
30 C	Chloroform	1.161	1.086	6.5#	108	0.00
31 T	Cyclohexane	1.132	0.990	12.5	107	0.00
32 T	1,1,1-Trichloroethane	1.013	0.963	4.9	108	0.00
33 S	1,2-Dichloroethane-d4	0.624	0.705	-13.0	128	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35 S	Dibromofluoromethane	0.318	0.352	-10.7	123	0.00
36 T	1,1-Dichloropropene	0.491	0.456	7.1	108	0.00
37 T	Ethyl Acetate	0.234	0.230	1.7	116	0.00
38 T	Carbon Tetrachloride	0.494	0.466	5.7	107	0.00
39 T	Methylcyclohexane	0.623	0.584	6.3	108	0.00
40 TM	Benzene	1.433	1.351	5.7	109	0.00
41 T	Methacrylonitrile	0.117	0.113	3.4	101	0.00
42 TM	1,2-Dichloroethane	0.397	0.381	4.0	111	0.00
43 T	Isopropyl Acetate	0.450	0.453	-0.7	117	0.00
44 TM	Trichloroethene	0.332	0.315	5.1	109	0.00
45 C	1,2-Dichloropropane	0.343	0.337	1.7#	112	0.00
46 T	Dibromomethane	0.186	0.175	5.9	109	0.00
47 T	Bromodichloromethane	0.487	0.465	4.5	110	0.00
48 T	Methyl methacrylate	0.209	0.215	-2.9	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020084.D
Acq On : 31 Oct 2024 10:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Nov 01 04:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	0.002	0.002	0.0	118	0.00
50 S	Toluene-d8	1.265	1.401	-10.8	122	0.00
51 T	4-Methyl-2-Pentanone	0.232	0.238	-2.6	116	0.00
52 CM	Toluene	0.884	0.846	4.3#	108	0.00
53 T	t-1,3-Dichloropropene	0.430	0.422	1.9	112	0.00
54 T	cis-1,3-Dichloropropene	0.513	0.506	1.4	111	0.00
55 T	1,1,2-Trichloroethane	0.231	0.232	-0.4	114	0.00
56 T	Ethyl methacrylate	0.331	0.336	-1.5	114	0.00
57 T	1,3-Dichloropropane	0.423	0.410	3.1	111	0.00
58 T	2-Chloroethyl Vinyl ether	0.163	0.166	-1.8	110	0.00
59 T	2-Hexanone	0.166	0.175	-5.4	118	0.00
60 T	Dibromochloromethane	0.295	0.291	1.4	114	0.00
61 T	1,2-Dibromoethane	0.215	0.208	3.3	113	0.00
62 S	4-Bromofluorobenzene	0.411	0.468	-13.9	125	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64 T	Tetrachloroethene	0.330	0.319	3.3	111	0.00
65 PM	Chlorobenzene	1.065	1.003	5.8	108	0.00
66 T	1,1,1,2-Tetrachloroethane	0.340	0.329	3.2	111	0.00
67 C	Ethyl Benzene	1.992	1.900	4.6#	108	0.00
68 T	m/p-Xylenes	0.729	0.699	4.1	108	0.00
69 T	o-Xylene	0.690	0.661	4.2	109	0.00
70 T	Styrene	1.141	1.106	3.1	108	0.00
71 P	Bromoform	0.175	0.173	1.1	112	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.994	3.821	4.3	108	0.00
74 T	N-amyl acetate	0.998	1.023	-2.5	116	0.00
75 P	1,1,2,2-Tetrachloroethane	0.699	0.664	5.0	111	0.00
76 T	1,2,3-Trichloropropane	0.469	0.459	2.1	112	0.00
77 T	Bromobenzene	0.808	0.782	3.2	110	0.00
78 T	n-propylbenzene	4.971	4.711	5.2	107	0.00
79 T	2-Chlorotoluene	2.759	2.605	5.6	108	0.00
80 T	1,3,5-Trimethylbenzene	3.207	3.068	4.3	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.218	0.216	0.9	114	0.00
82 T	4-Chlorotoluene	2.813	2.695	4.2	108	0.00
83 T	tert-Butylbenzene	2.804	2.758	1.6	108	0.00
84 T	1,2,4-Trimethylbenzene	3.176	3.055	3.8	108	0.00
85 T	sec-Butylbenzene	4.305	4.117	4.4	107	0.00
86 T	p-Isopropyltoluene	3.454	3.306	4.3	106	0.00
87 T	1,3-Dichlorobenzene	1.641	1.552	5.4	107	0.00
88 T	1,4-Dichlorobenzene	1.634	1.552	5.0	109	0.00
89 T	n-Butylbenzene	3.463	3.339	3.6	107	0.00
90 T	Hexachloroethane	0.683	0.637	6.7	105	0.00
91 T	1,2-Dichlorobenzene	1.426	1.358	4.8	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.106	0.100	5.7	114	0.00
93 T	1,2,4-Trichlorobenzene	0.766	0.713	6.9	107	0.00
94 T	Hexachlorobutadiene	0.419	0.387	7.6	104	0.00
95 T	Naphthalene	1.432	1.390	2.9	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020084.D
Acq On : 31 Oct 2024 10:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Nov 01 04:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	0.650	0.586	9.8	106	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020084.D
Acq On : 31 Oct 2024 10:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Nov 01 04:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	106	0.00
2 T	Dichlorodifluoromethane	50.000	46.271	7.5	119	0.00
3 P	Chloromethane	50.000	44.171	11.7	105	0.00
4 C	Vinyl Chloride	50.000	44.675	10.7#	104	0.00
5 T	Bromomethane	50.000	42.867	14.3	104	0.00
6 T	Chloroethane	50.000	44.117	11.8	102	0.00
7 T	Trichlorofluoromethane	50.000	45.537	8.9	105	0.00
8 T	Diethyl Ether	50.000	48.883	2.2	116	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.535	6.9	109	0.00
10 T	Methyl Iodide	50.000	50.033	-0.1	112	0.00
11 T	Tert butyl alcohol	250.000	220.262	11.9	128	0.00
12 CM	1,1-Dichloroethene	50.000	47.344	5.3#	110	0.00
13 T	Acrolein	250.000	237.238	5.1	113	0.00
14 T	Allyl chloride	50.000	48.183	3.6	109	0.00
15 T	Acrylonitrile	250.000	251.330	-0.5	117	0.00
16 T	Acetone	250.000	273.401	-9.4	121	0.00
17 T	Carbon Disulfide	50.000	46.801	6.4	107	0.00
18 T	Methyl Acetate	50.000	49.174	1.7	112	0.00
19 T	Methyl tert-butyl Ether	50.000	49.744	0.5	116	0.00
20 T	Methylene Chloride	50.000	43.456	13.1	108	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.392	5.2	109	0.00
22 T	Diisopropyl ether	50.000	48.767	2.5	111	0.00
23 T	Vinyl Acetate	250.000	252.963	-1.2	116	0.00
24 P	1,1-Dichloroethane	50.000	47.064	5.9	109	0.00
25 T	2-Butanone	250.000	257.223	-2.9	120	0.00
26 T	2,2-Dichloropropane	50.000	47.018	6.0	110	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.753	6.5	108	0.00
28 T	Bromochloromethane	50.000	47.922	4.2	111	0.00
29 T	Tetrahydrofuran	250.000	255.705	-2.3	119	0.00
30 C	Chloroform	50.000	46.772	6.5#	108	0.00
31 T	Cyclohexane	50.000	43.711	12.6	107	0.00
32 T	1,1,1-Trichloroethane	50.000	47.501	5.0	108	0.00
33 S	1,2-Dichloroethane-d4	50.000	56.525	-13.0	128	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35 S	Dibromofluoromethane	50.000	55.414	-10.8	123	0.00
36 T	1,1-Dichloropropene	50.000	46.444	7.1	108	0.00
37 T	Ethyl Acetate	50.000	49.179	1.6	116	0.00
38 T	Carbon Tetrachloride	50.000	47.149	5.7	107	0.00
39 T	Methylcyclohexane	50.000	46.848	6.3	108	0.00
40 TM	Benzene	50.000	47.140	5.7	109	0.00
41 T	Methacrylonitrile	50.000	48.057	3.9	101	0.00
42 TM	1,2-Dichloroethane	50.000	47.998	4.0	111	0.00
43 T	Isopropyl Acetate	50.000	50.314	-0.6	117	0.00
44 TM	Trichloroethene	50.000	47.457	5.1	109	0.00
45 C	1,2-Dichloropropane	50.000	49.171	1.7#	112	0.00
46 T	Dibromomethane	50.000	47.144	5.7	109	0.00
47 T	Bromodichloromethane	50.000	47.780	4.4	110	0.00
48 T	Methyl methacrylate	50.000	51.604	-3.2	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020084.D
Acq On : 31 Oct 2024 10:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Nov 01 04:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	1012.632	-1.3	118	0.00
50 S	Toluene-d8	50.000	55.359	-10.7	122	0.00
51 T	4-Methyl-2-Pentanone	250.000	256.244	-2.5	116	0.00
52 CM	Toluene	50.000	47.867	4.3#	108	0.00
53 T	t-1,3-Dichloropropene	50.000	49.098	1.8	112	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.306	1.4	111	0.00
55 T	1,1,2-Trichloroethane	50.000	50.106	-0.2	114	0.00
56 T	Ethyl methacrylate	50.000	50.747	-1.5	114	0.00
57 T	1,3-Dichloropropane	50.000	48.446	3.1	111	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	254.054	-1.6	110	0.00
59 T	2-Hexanone	250.000	263.341	-5.3	118	0.00
60 T	Dibromochloromethane	50.000	49.363	1.3	114	0.00
61 T	1,2-Dibromoethane	50.000	48.443	3.1	113	0.00
62 S	4-Bromofluorobenzene	50.000	56.922	-13.8	125	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64 T	Tetrachloroethene	50.000	48.320	3.4	111	0.00
65 PM	Chlorobenzene	50.000	47.091	5.8	108	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.387	3.2	111	0.00
67 C	Ethyl Benzene	50.000	47.708	4.6#	108	0.00
68 T	m/p-Xylenes	100.000	95.866	4.1	108	0.00
69 T	o-Xylene	50.000	47.919	4.2	109	0.00
70 T	Styrene	50.000	48.497	3.0	108	0.00
71 P	Bromoform	50.000	49.567	0.9	112	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	47.834	4.3	108	0.00
74 T	N-amyl acetate	50.000	51.243	-2.5	116	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.502	5.0	111	0.00
76 T	1,2,3-Trichloropropane	50.000	49.007	2.0	112	0.00
77 T	Bromobenzene	50.000	48.392	3.2	110	0.00
78 T	n-propylbenzene	50.000	47.385	5.2	107	0.00
79 T	2-Chlorotoluene	50.000	47.208	5.6	108	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.840	4.3	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.454	1.1	114	0.00
82 T	4-Chlorotoluene	50.000	47.890	4.2	108	0.00
83 T	tert-Butylbenzene	50.000	49.171	1.7	108	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.091	3.8	108	0.00
85 T	sec-Butylbenzene	50.000	47.819	4.4	107	0.00
86 T	p-Isopropyltoluene	50.000	47.847	4.3	106	0.00
87 T	1,3-Dichlorobenzene	50.000	47.274	5.5	107	0.00
88 T	1,4-Dichlorobenzene	50.000	47.484	5.0	109	0.00
89 T	n-Butylbenzene	50.000	48.218	3.6	107	0.00
90 T	Hexachloroethane	50.000	46.606	6.8	105	0.00
91 T	1,2-Dichlorobenzene	50.000	47.617	4.8	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.273	5.5	114	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.542	6.9	107	0.00
94 T	Hexachlorobutadiene	50.000	46.172	7.7	104	0.00
95 T	Naphthalene	50.000	48.517	3.0	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020084.D
Acq On : 31 Oct 2024 10:43
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Nov 01 04:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 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	45.071	9.9	106	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: CHEM02
 Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495
 Instrument ID: MSVOA_Y Calibration Date/Time: 10/31/2024 11:11
 Lab File ID: VY020085.D Init. Calib. Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.488		5.4	20
Chloromethane	0.767	0.786	0.1	2.48	20
Vinyl Chloride	0.823	0.854		3.77	20
Ethyl Acetate	0.234	0.240		2.56	20
Isopropyl Acetate	0.450	0.479		6.44	20
Bromomethane	0.546	0.552		1.1	20
Chloroethane	0.531	0.540		1.7	20
Tetrahydrofuran	0.114	0.120		5.26	20
Trichlorofluoromethane	1.005	1.063		5.77	20
1,1,2-Trichlorotrifluoroethane	0.564	0.597		5.85	20
Tert butyl alcohol	0.045	0.038		-15.56	20
Diethyl Ether	0.280	0.307		9.64	20
1,1-Dichloroethene	0.540	0.581		7.59	20
Acrolein	0.056	0.050		-10.71	20
Acrylonitrile	0.128	0.138		7.81	20
Acetone	0.145	0.168		15.86	20
Carbon Disulfide	1.796	1.932		7.57	20
Methyl tert-butyl Ether	1.357	1.492		9.95	20
Methyl Acetate	0.340	0.352		3.53	20
Methylene Chloride	0.652	0.643		-1.38	20
trans-1,2-Dichloroethene	0.609	0.659		8.21	20
Vinyl Acetate	1.137	1.274		12.05	20
1,1-Dichloroethane	1.170	1.267	0.1	8.29	20
Cyclohexane	1.132	1.136		0.35	20
2-Butanone	0.197	0.209		6.09	20
Carbon Tetrachloride	0.494	0.528		6.88	20
2,2-Dichloropropane	0.973	1.074		10.38	20
cis-1,2-Dichloroethene	0.700	0.771		10.14	20
Bromochloromethane	0.548	0.577		5.29	20
Chloroform	1.161	1.263		8.79	20
1,1,1-Trichloroethane	1.013	1.112		9.77	20
Methylcyclohexane	0.623	0.656		5.3	20
1,1-Dichloropropene	0.491	0.516		5.09	20
Benzene	1.433	1.529		6.7	20
1,2-Dichloroethane	0.397	0.420		5.79	20
Trichloroethene	0.332	0.349		5.12	20
1,2-Dichloropropane	0.343	0.372		8.45	20
Dibromomethane	0.186	0.194		4.3	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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: MSVOA_Y Calibration Date/Time: 10/31/2024 11:11

Lab File ID: VY020085.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromodichloromethane	0.487	0.525		7.8	20
4-Methyl-2-Pentanone	0.232	0.244		5.17	20
Methyl methacrylate	0.209	0.230		10.05	20
Toluene	0.884	0.955		8.03	20
t-1,3-Dichloropropene	0.430	0.468		8.84	20
cis-1,3-Dichloropropene	0.513	0.569		10.92	20
1,1,2-Trichloroethane	0.231	0.250		8.23	20
1,3-Dichloropropane	0.423	0.447		5.67	20
2-Chloroethyl Vinyl ether	0.163	0.165		1.23	20
2-Hexanone	0.166	0.179		7.83	20
Dibromochloromethane	0.295	0.316		7.12	20
1,2-Dibromoethane	0.215	0.226		5.12	20
Tetrachloroethene	0.330	0.364		10.3	20
Chlorobenzene	1.065	1.152	0.3	8.17	20
1,1,1,2-Tetrachloroethane	0.340	0.375		10.29	20
Hexachloroethane	0.683	0.738		8.05	20
Ethyl Benzene	1.992	2.164		8.64	20
m/p-Xylenes	0.729	0.804		10.29	20
o-Xylene	0.690	0.757		9.71	20
Styrene	1.141	1.279		12.1	20
Bromoform	0.175	0.191	0.1	9.14	20
Isopropylbenzene	3.994	4.426		10.82	20
1,1,2,2-Tetrachloroethane	0.699	0.727	0.3	4.01	20
1,2,3-Trichloropropane	0.469	0.502		7.04	20
Bromobenzene	0.808	0.871		7.8	20
n-propylbenzene	4.971	5.536		11.37	20
2-Chlorotoluene	2.759	3.048		10.48	20
1,3,5-Trimethylbenzene	3.207	3.541		10.41	20
4-Chlorotoluene	2.813	3.100		10.2	20
tert-Butylbenzene	2.804	3.207		14.37	20
1,2,4-Trimethylbenzene	3.176	3.542		11.52	20
sec-Butylbenzene	4.305	4.810		11.73	20
p-Isopropyltoluene	3.454	3.884		12.45	20
1,3-Dichlorobenzene	1.641	1.806		10.06	20
1,4-Dichlorobenzene	1.634	1.784		9.18	20
n-Butylbenzene	3.463	3.926		13.37	20
1,2-Dichlorobenzene	1.426	1.566		9.82	20
1,2-Dibromo-3-Chloropropane	0.106	0.108		1.89	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: CHEM02
 Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495
 Instrument ID: MSVOA_Y Calibration Date/Time: 10/31/2024 11:11
 Lab File ID: VY020085.D Init. Calib. Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2,4-Trichlorobenzene	0.766	0.855		11.62	20
Hexachlorobutadiene	0.419	0.469		11.93	20
Naphthalene	1.432	1.591		11.1	20
1,2,3-Trichlorobenzene	0.650	0.700		7.69	20
1,2-Dichloroethane-d4	0.624	0.594		-4.81	20
Dibromofluoromethane	0.318	0.306		-3.77	20
Toluene-d8	1.265	1.203		-4.9	20
4-Bromofluorobenzene	0.411	0.398		-3.16	20
N-amyl acetate	0.998	1.133		13.53	20
Methyl Iodide	0.544	0.624		14.71	20
Allyl chloride	0.973	1.080		11	20
trans-1,4-Dichloro-2-butene	0.218	0.234		7.34	20
Methacrylonitrile	0.117	0.137		17.09	20
Ethyl methacrylate	0.331	0.365		10.27	20
Diisopropyl ether	2.020	2.271		12.43	20
1,4-Dioxane	1.913	1.820	0.05	-4.86	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_Y\Data\VY103124\
 Data File : VY020085.D
 Acq On : 31 Oct 2024 11:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 01 04:32:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	271638	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	493866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	426183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	197269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161437	47.618	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	95.240%	
35) Dibromofluoromethane	7.634	113	151008	48.092	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	96.180%	
50) Toluene-d8	10.109	98	594255	47.546	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	95.100%	
62) 4-Bromofluorobenzene	12.402	95	196378	48.373	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	96.740%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	132531	52.706	ug/l	99
3) Chloromethane	2.068	50	213405	51.237	ug/l	100
4) Vinyl Chloride	2.202	62	231907	51.866	ug/l	98
5) Bromomethane	2.598	94	149895	50.494	ug/l	97
6) Chloroethane	2.739	64	146686	50.833	ug/l	100
7) Trichlorofluoromethane	3.056	101	288742	52.861	ug/l	99
8) Diethyl Ether	3.458	74	83526	54.826	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.818	101	162185	52.938	ug/l	91
10) Methyl Iodide	4.013	142	169621	57.345	ug/l	90
11) Tert butyl alcohol	4.866	59	52230	214.180	ug/l #	81
12) 1,1-Dichloroethene	3.787	96	157759	53.818	ug/l #	77
13) Acrolein	3.653	56	67965	223.888	ug/l	100
14) Allyl chloride	4.391	41	293385	55.474	ug/l #	90
15) Acrylonitrile	5.061	53	187174	269.905	ug/l	98
16) Acetone	3.873	43	228379	289.669	ug/l #	84
17) Carbon Disulfide	4.104	76	524687	53.786	ug/l	99
18) Methyl Acetate	4.385	43	95486	51.619	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	405274	54.955	ug/l	99
20) Methylene Chloride	4.616	84	174688	49.323	ug/l #	77
21) trans-1,2-Dichloroethene	5.116	96	178954	54.132	ug/l	85
22) Diisopropyl ether	6.019	45	616790	56.200	ug/l #	91
23) Vinyl Acetate	5.964	43	1730877	280.242	ug/l #	89
24) 1,1-Dichloroethane	5.921	63	344047	54.139	ug/l	96
25) 2-Butanone	6.896	43	284228	265.950	ug/l #	83
26) 2,2-Dichloropropane	6.890	77	291759	55.179	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	209311	55.079	ug/l	82
28) Bromochloromethane	7.244	49	156749	52.677	ug/l #	73
29) Tetrahydrofuran	7.262	42	163497	265.088	ug/l #	82
30) Chloroform	7.421	83	343029	54.396	ug/l	98
31) Cyclohexane	7.701	56	308697	50.176	ug/l	86
32) 1,1,1-Trichloroethane	7.622	97	302133	54.876	ug/l	95
36) 1,1-Dichloropropene	7.835	75	254712	52.512	ug/l	94
37) Ethyl Acetate	6.982	43	118668	51.314	ug/l #	94
38) Carbon Tetrachloride	7.817	117	260526	53.412	ug/l	98
39) Methylcyclohexane	9.109	83	323942	52.621	ug/l #	85
40) Benzene	8.079	78	754991	53.326	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020085.D
 Acq On : 31 Oct 2024 11:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 01 04:32:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	67900	58.613	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	207555	52.962	ug/l	94
43) Isopropyl Acetate	8.195	43	236652	53.216	ug/l #	75
44) Trichloroethene	8.866	130	172527	52.578	ug/l	82
45) 1,2-Dichloropropane	9.140	63	183675	54.224	ug/l	99
46) Dibromomethane	9.231	93	95851	52.223	ug/l	89
47) Bromodichloromethane	9.420	83	259184	53.904	ug/l	99
48) Methyl methacrylate	9.219	41	113548	55.124	ug/l #	81
49) 1,4-Dioxane	9.231	88	17976	951.294	ug/l #	81
51) 4-Methyl-2-Pentanone	10.000	43	602264	262.836	ug/l	89
52) Toluene	10.170	92	471742	54.054	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	231123	54.434	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	281238	55.494	ug/l #	84
55) 1,1,2-Trichloroethane	10.573	97	123711	54.210	ug/l	99
56) Ethyl methacrylate	10.438	69	180361	55.097	ug/l #	73
57) 1,3-Dichloropropane	10.713	76	220718	52.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	407292	252.289	ug/l	92
59) 2-Hexanone	10.762	43	442893	269.602	ug/l	88
60) Dibromochloromethane	10.908	129	156166	53.685	ug/l	99
61) 1,2-Dibromoethane	11.012	107	111808	52.735	ug/l	99
64) Tetrachloroethene	10.646	164	155228	55.164	ug/l	94
65) Chlorobenzene	11.438	112	490987	54.068	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	159984	55.142	ug/l	98
67) Ethyl Benzene	11.518	91	922370	54.337	ug/l	98
68) m/p-Xylenes	11.627	106	684925	110.282	ug/l	91
69) o-Xylene	11.950	106	322535	54.853	ug/l	90
70) Styrene	11.969	104	545181	56.076	ug/l	95
71) Bromoform	12.127	173	81468	54.735	ug/l #	99
73) Isopropylbenzene	12.255	105	873117	55.405	ug/l	97
74) N-amyl acetate	12.072	43	223511	56.739	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	143438	52.045	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	99018m	53.547	ug/l	
77) Bromobenzene	12.530	156	171901	53.937	ug/l	82
78) n-propylbenzene	12.591	91	1092148	55.685	ug/l	96
79) 2-Chlorotoluene	12.676	91	601279	55.230	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	698512	55.211	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	46155	53.687	ug/l #	87
82) 4-Chlorotoluene	12.773	91	611504	55.089	ug/l	95
83) tert-Butylbenzene	12.999	119	632629	57.184	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	698716	55.758	ug/l	96
85) sec-Butylbenzene	13.176	105	948947	55.874	ug/l	97
86) p-Isopropyltoluene	13.292	119	766114	56.213	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	356203	55.016	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	351917	54.581	ug/l	96
89) n-Butylbenzene	13.615	91	774526	56.692	ug/l	97
90) Hexachloroethane	13.877	117	145554	54.002	ug/l	85
91) 1,2-Dichlorobenzene	13.657	146	308884	54.886	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	21391	51.178	ug/l	75
93) 1,2,4-Trichlorobenzene	14.919	180	168670	55.792	ug/l	96
94) Hexachlorobutadiene	15.023	225	92479	55.941	ug/l	98
95) Naphthalene	15.145	128	313818	55.531	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	138163	53.838	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020085.D
Acq On : 31 Oct 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Nov 01 04:32:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

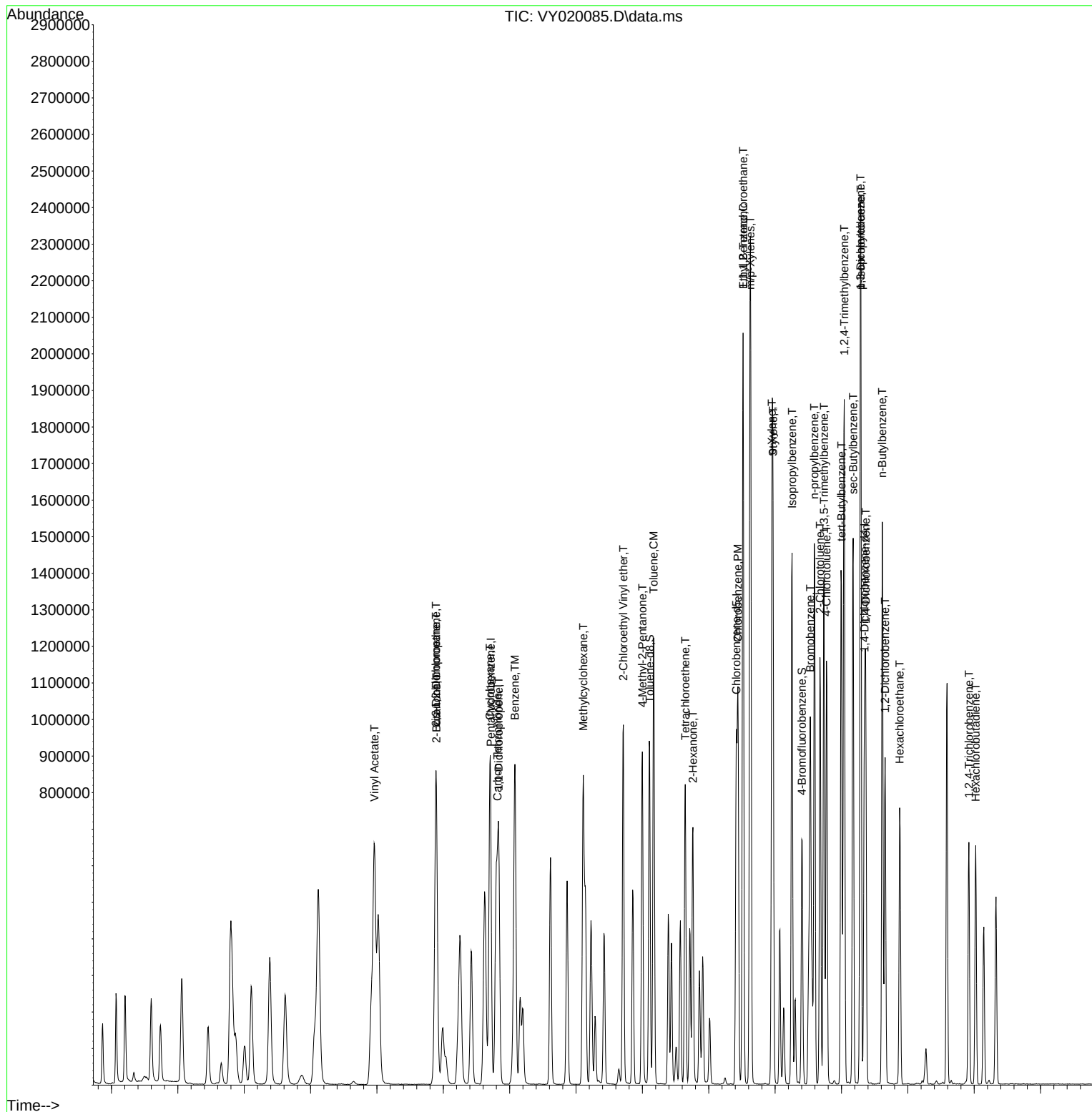
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

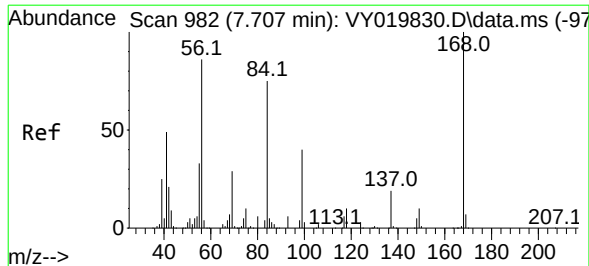
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024





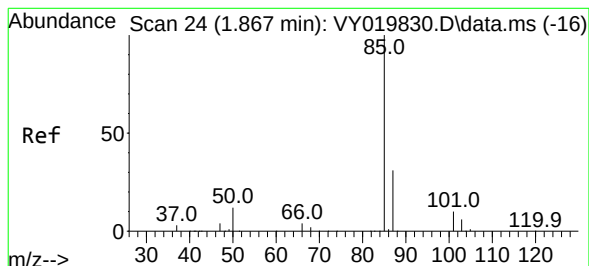
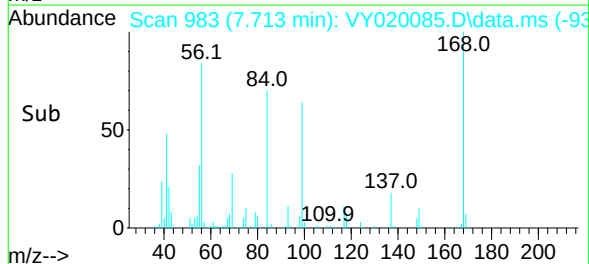
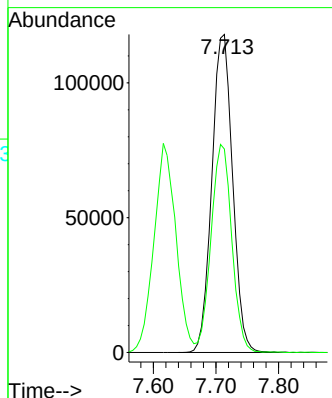
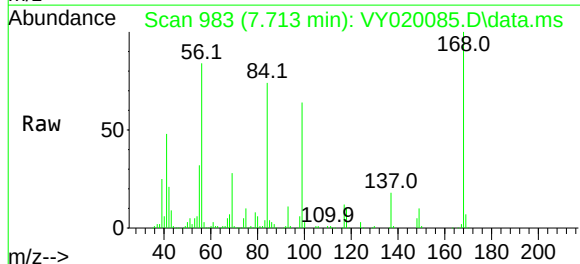
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 168 Resp: 271638
Ion Ratio Lower Upper
168 100
99 63.8 39.1 58.7

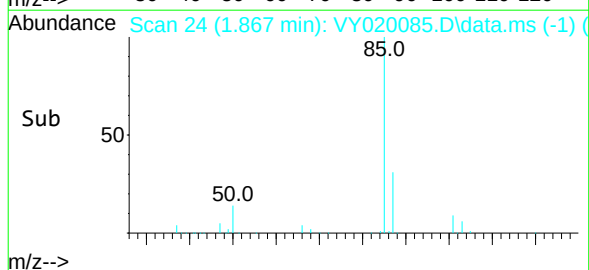
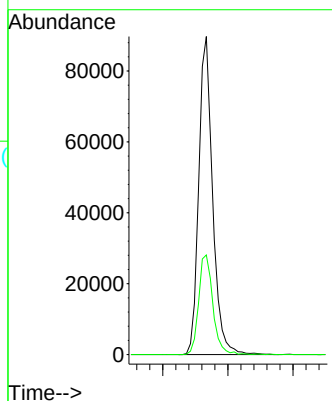
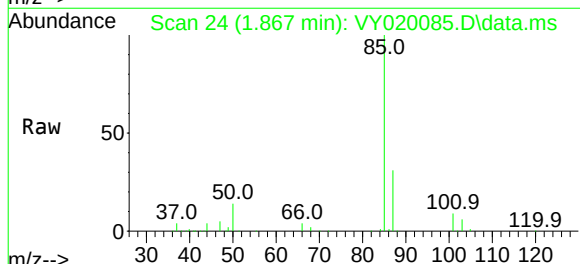
Manual Integrations
APPROVED

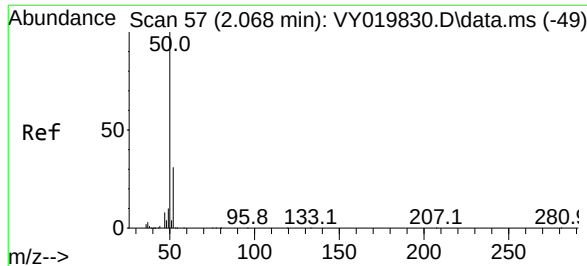
Reviewed By : Semsettin Yesilyurt 12/03/2024
Supervised By : Mahesh Dadoda 12/03/2024



#2
Dichlorodifluoromethane
Concen: 52.706 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion: 85 Resp: 132531
Ion Ratio Lower Upper
85 100
87 31.3 16.0 48.0





#3

Chloromethane

Concen: 51.237 ug/l

RT: 2.068 min Scan# 57

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 213405

Ion Ratio Lower Upper

50 100

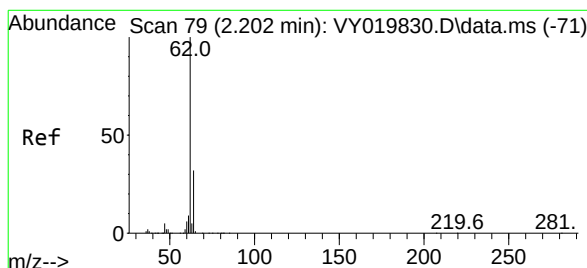
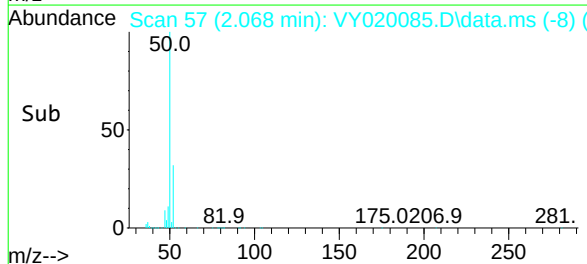
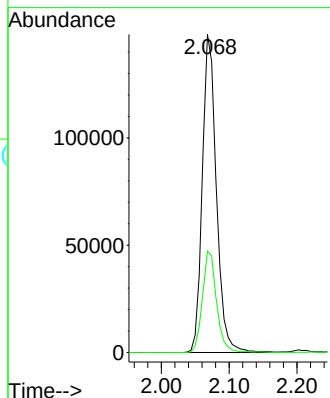
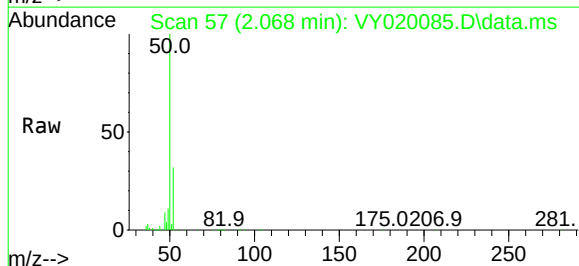
52 31.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#4

Vinyl Chloride

Concen: 51.866 ug/l

RT: 2.202 min Scan# 79

Delta R.T. -0.006 min

Lab File: VY020085.D

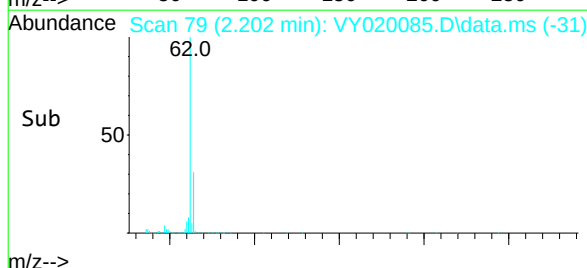
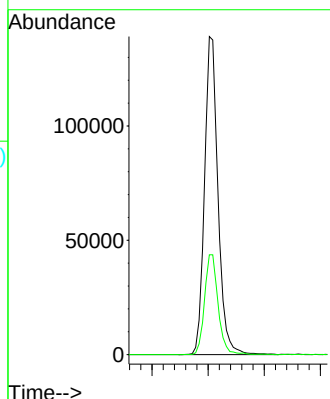
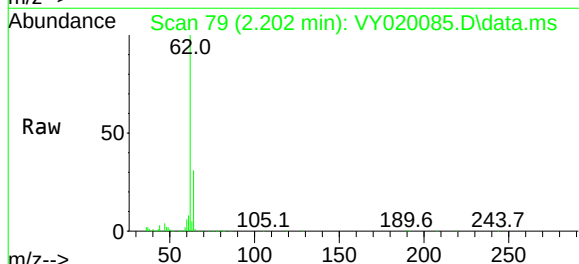
Acq: 31 Oct 2024 11:11

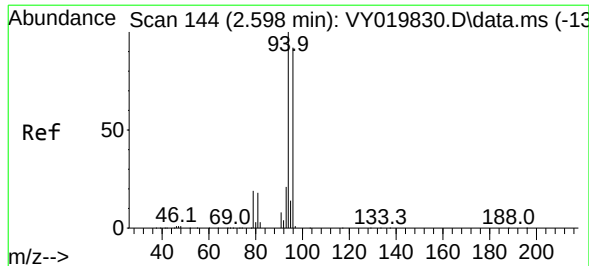
Tgt Ion: 62 Resp: 231907

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 50.494 ug/l

RT: 2.598 min Scan# 14

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 149895

Ion Ratio Lower Upper

94 100

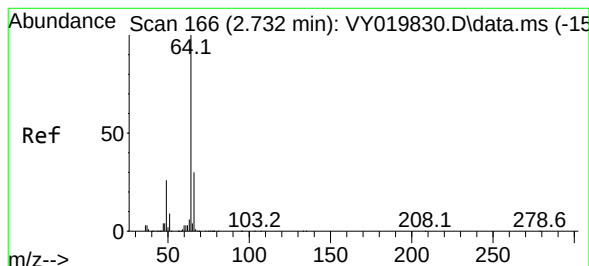
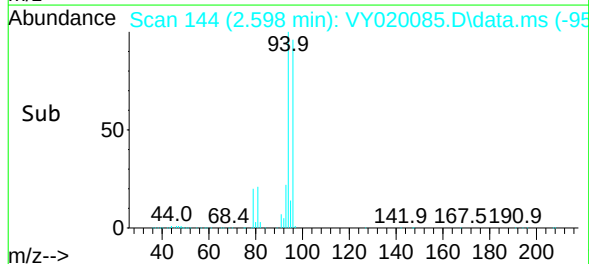
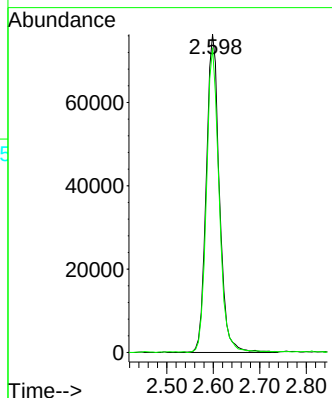
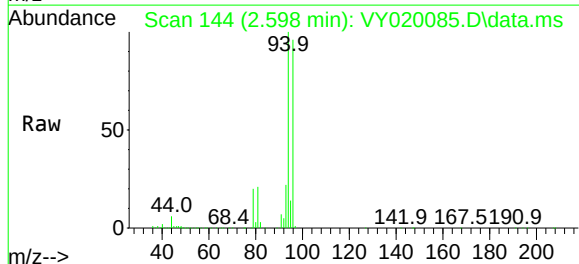
96 95.7 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#6

Chloroethane

Concen: 50.833 ug/l

RT: 2.739 min Scan# 167

Delta R.T. 0.000 min

Lab File: VY020085.D

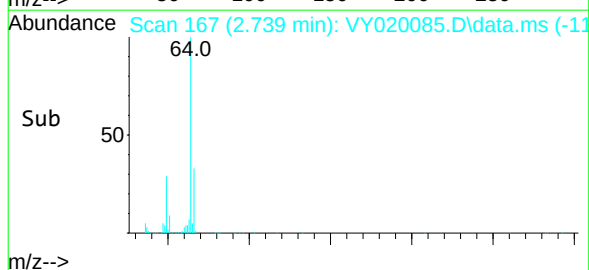
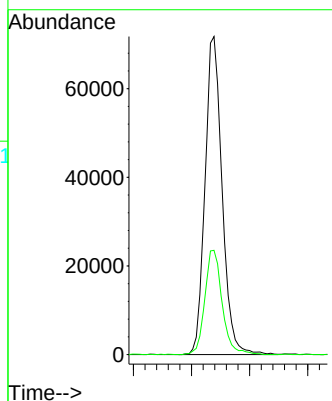
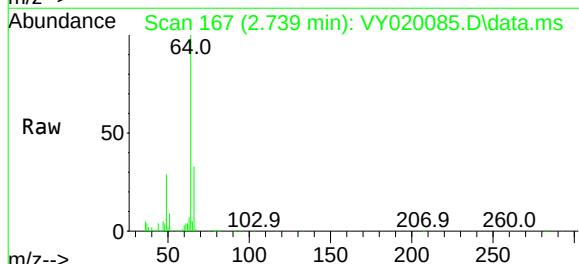
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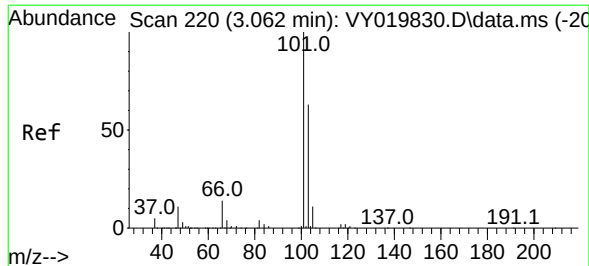
Tgt Ion: 64 Resp: 146686

Ion Ratio Lower Upper

64 100

66 32.8 26.1 39.1





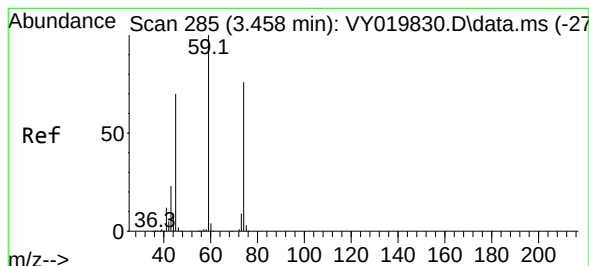
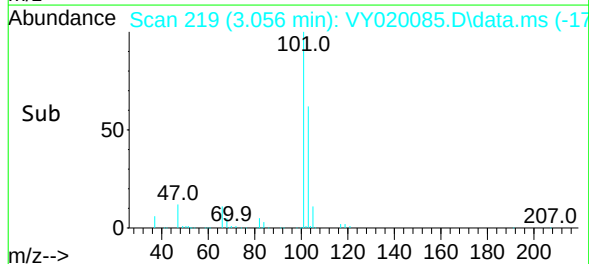
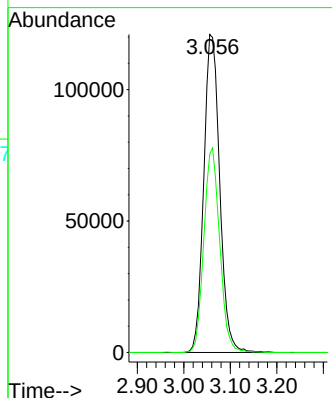
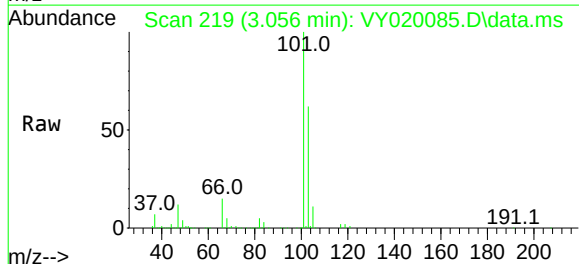
#7
Trichlorofluoromethane
Concen: 52.861 ug/l
RT: 3.056 min Scan# 211
Delta R.T. -0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050

Tgt Ion: 101 Resp: 288742
Ion Ratio Lower Upper
101 100
103 62.3 49.3 73.9

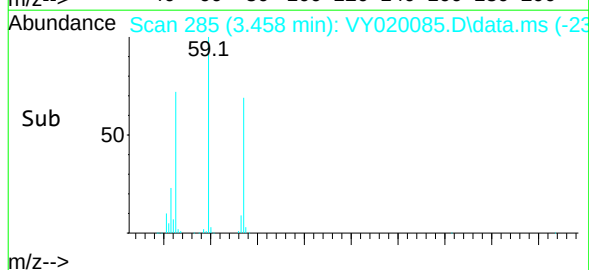
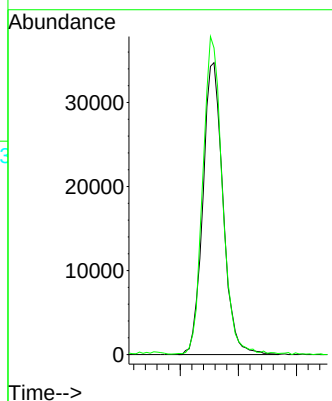
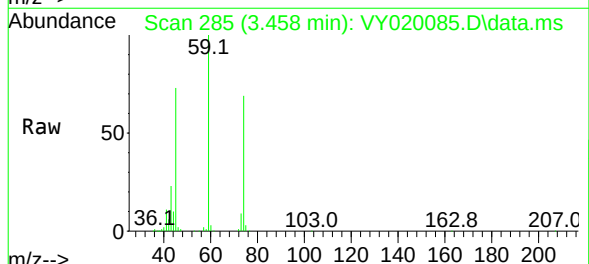
Manual Integrations
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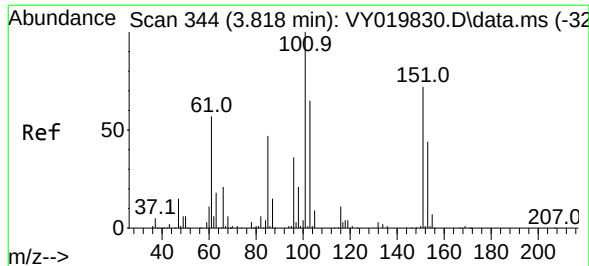
Reviewed By : Semsettin Yesilyurt 12/03/2024
Supervised By : Mahesh Dadoda 12/03/2024



#8
Diethyl Ether
Concen: 54.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion: 74 Resp: 83526
Ion Ratio Lower Upper
74 100
45 105.5 41.3 124.1





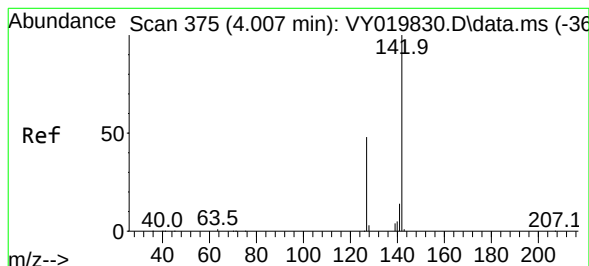
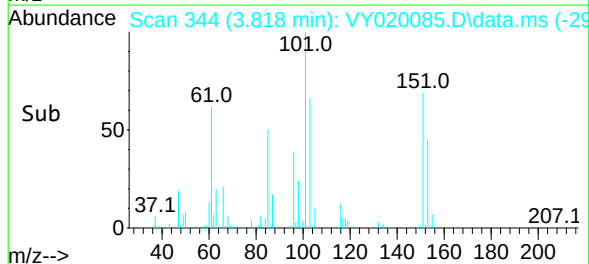
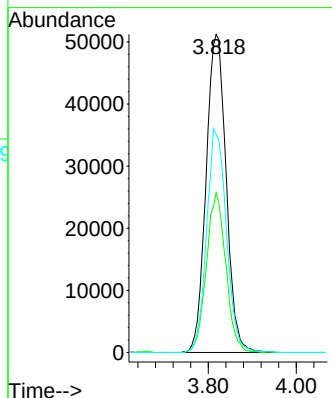
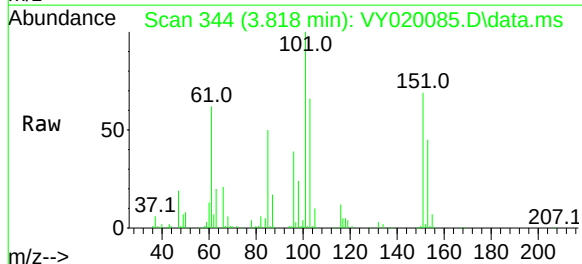
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.938 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 162185
Ion Ratio Lower Upper
101 100
85 48.5 34.5 51.7
151 69.4 61.7 92.5

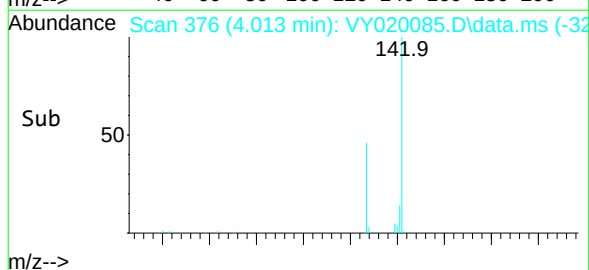
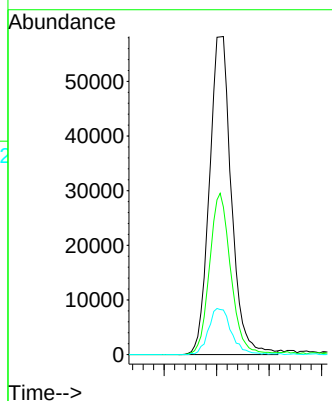
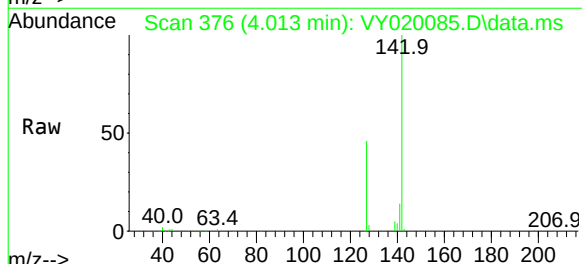
Manual Integrations
APPROVED

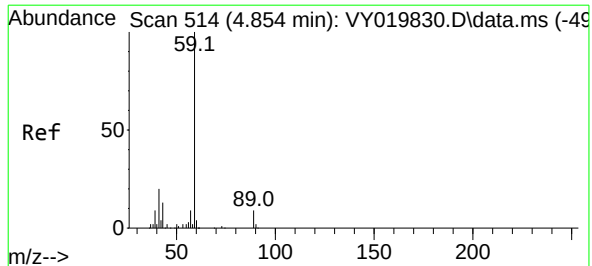
Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#10
Methyl Iodide
Concen: 57.345 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion:142 Resp: 169621
Ion Ratio Lower Upper
142 100
127 49.0 32.8 49.2
141 15.0 11.4 17.2





#11

Tert butyl alcohol

Concen: 214.180 ug/l

RT: 4.866 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 52230

Ion Ratio Lower Upper

59 100

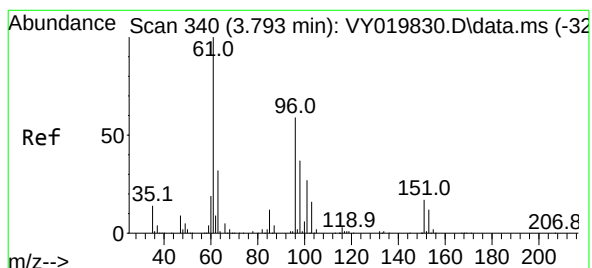
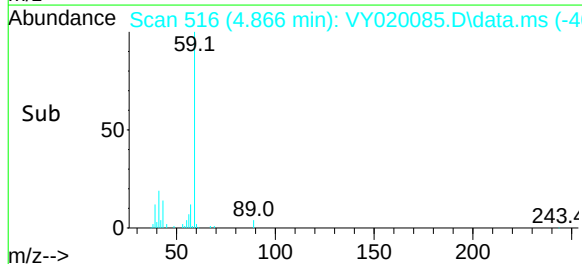
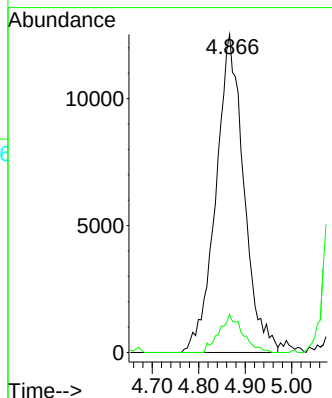
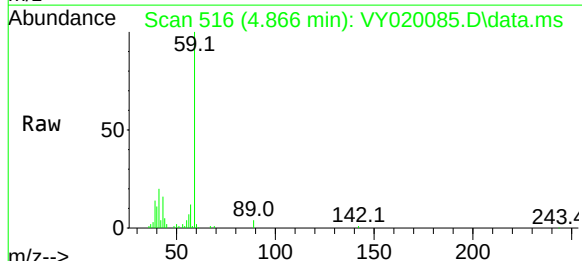
57 10.1 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#12

1,1-Dichloroethene

Concen: 53.818 ug/l

RT: 3.787 min Scan# 339

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

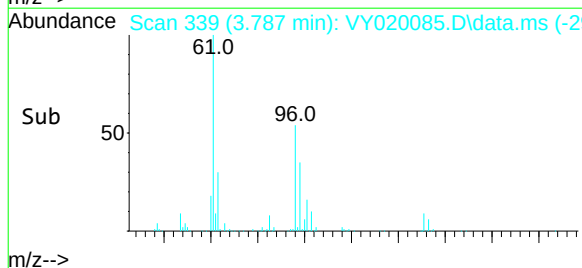
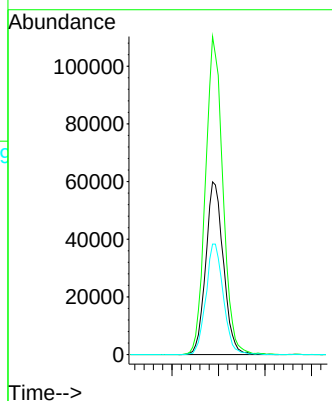
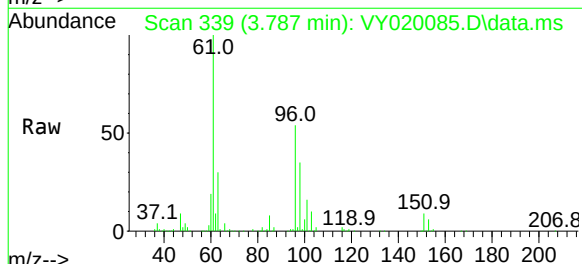
Tgt Ion: 96 Resp: 157759

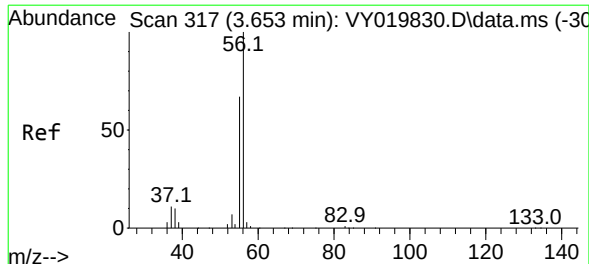
Ion Ratio Lower Upper

96 100

61 184.2 114.6 171.8#

98 64.0 50.8 76.2





#13

Acrolein

Concen: 223.888 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 67965

Ion Ratio Lower Upper

56 100

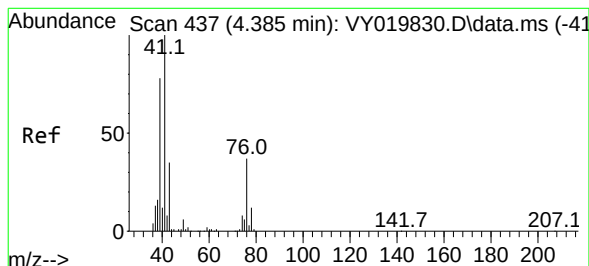
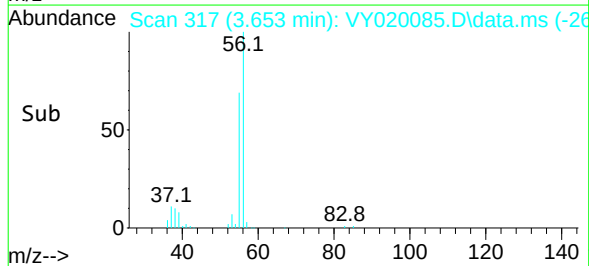
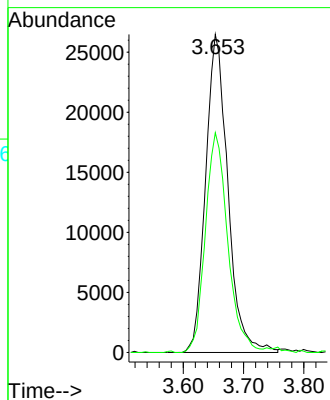
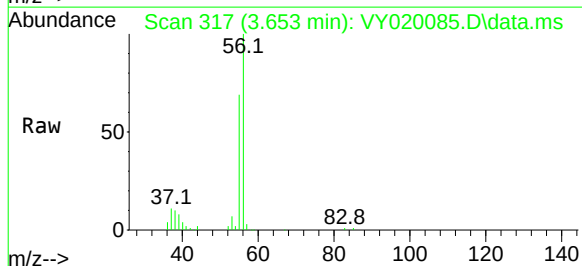
55 69.5 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#14

Allyl chloride

Concen: 55.474 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

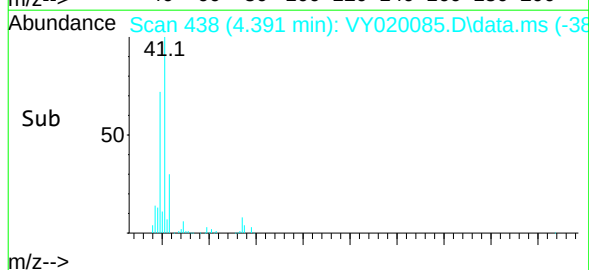
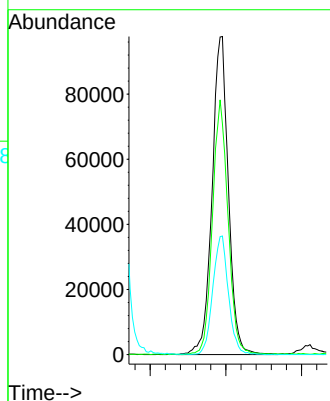
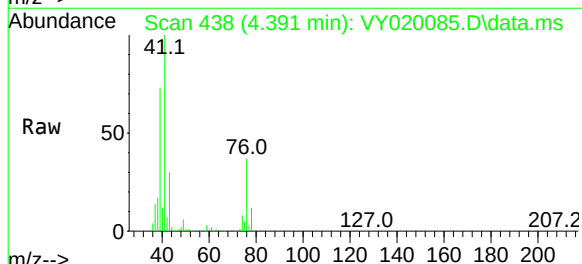
Tgt Ion: 41 Resp: 293385

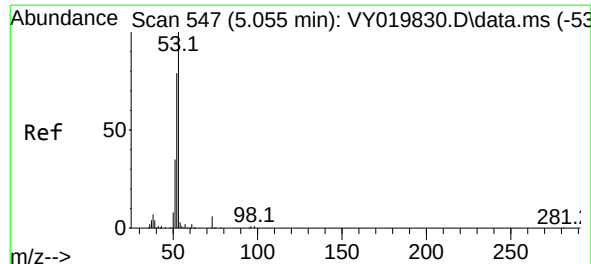
Ion Ratio Lower Upper

41 100

39 76.3 58.3 87.5

76 35.6 39.0 58.6#





#15

Acrylonitrile

Concen: 269.905 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

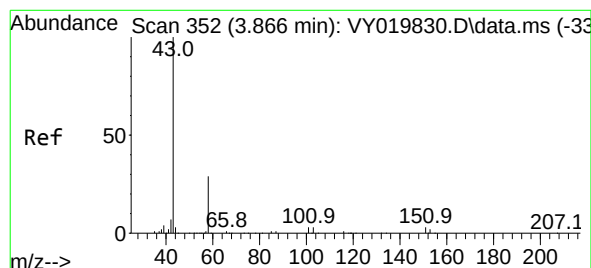
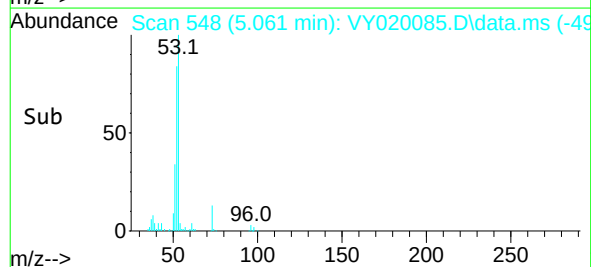
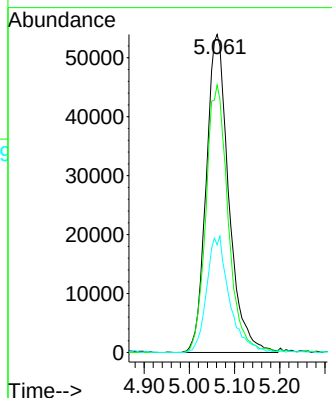
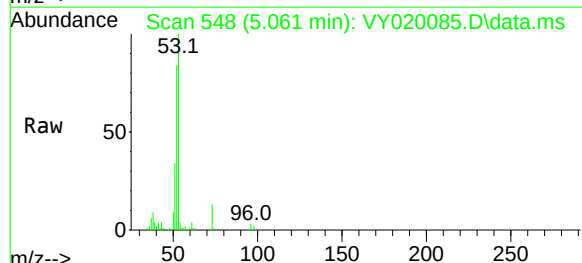
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	187174
Ion	Ratio	Lower	Upper
53	100		
52	82.6	64.7	97.1
51	36.8	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#16

Acetone

Concen: 289.669 ug/l

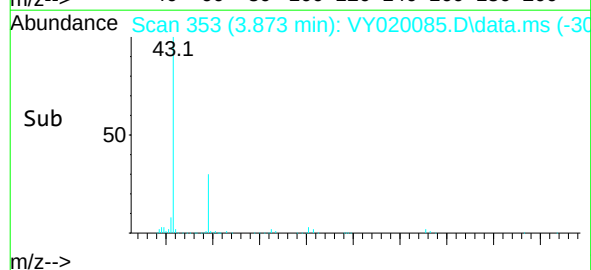
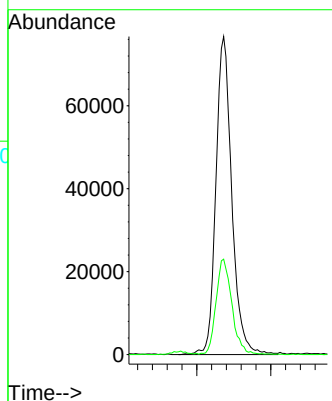
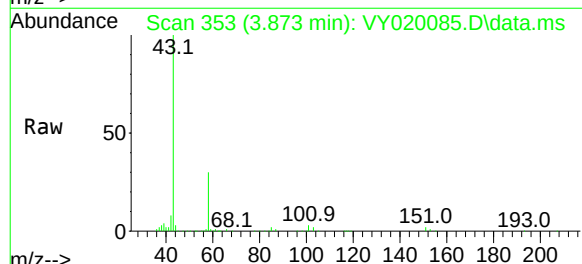
RT: 3.873 min Scan# 353

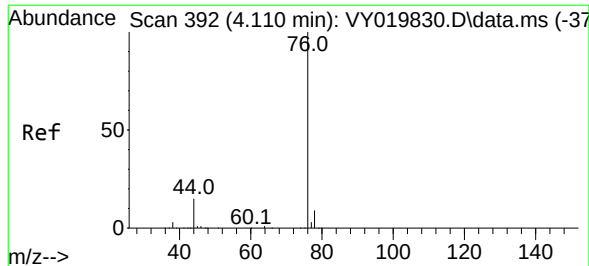
Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

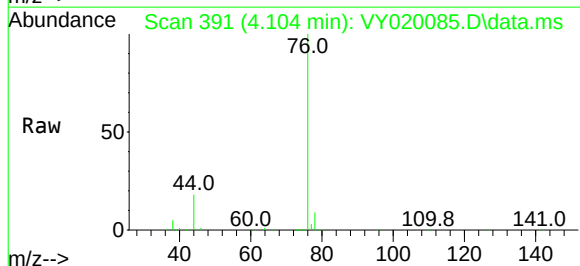
Tgt Ion:	43	Resp:	228379
Ion	Ratio	Lower	Upper
43	100		
58	29.9	31.7	47.5#





#17
Carbon Disulfide
Concen: 53.786 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

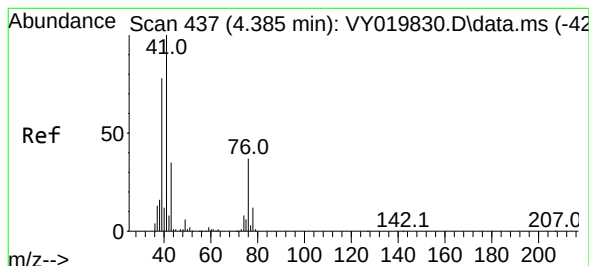
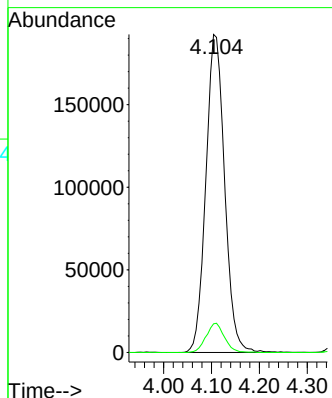
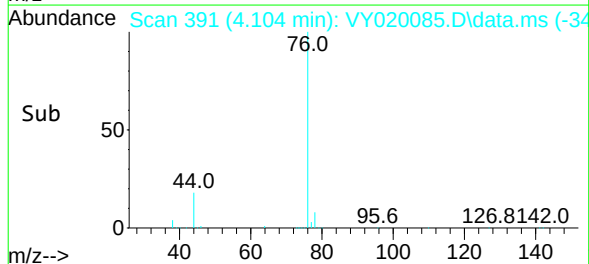
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 524687
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

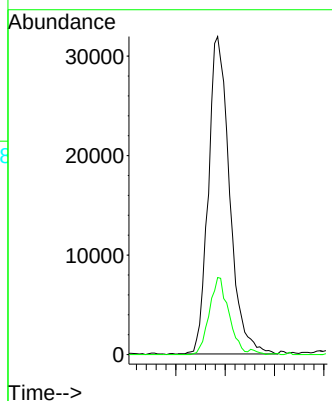
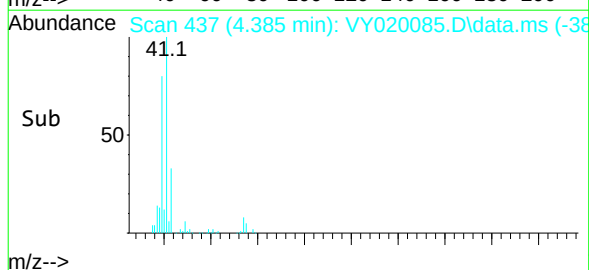
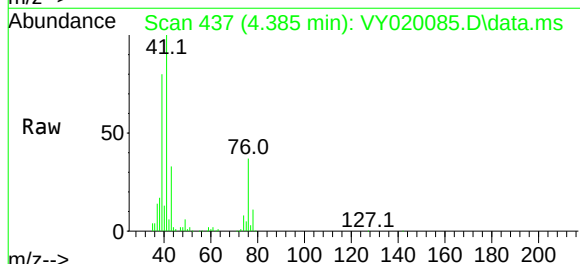
Manual Integrations
APPROVED

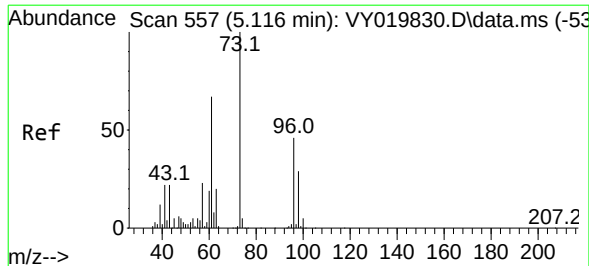
Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#18
Methyl Acetate
Concen: 51.619 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion: 43 Resp: 95486
Ion Ratio Lower Upper
43 100
74 22.3 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 54.955 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 405274

Ion Ratio Lower Upper

73 100

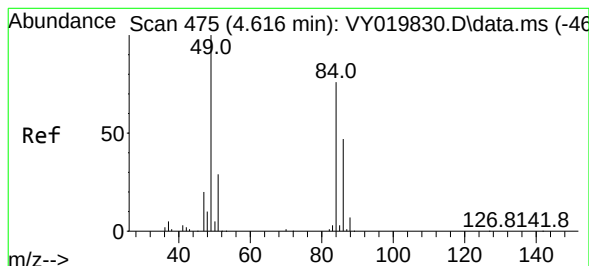
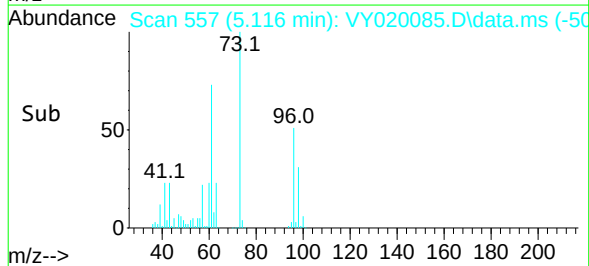
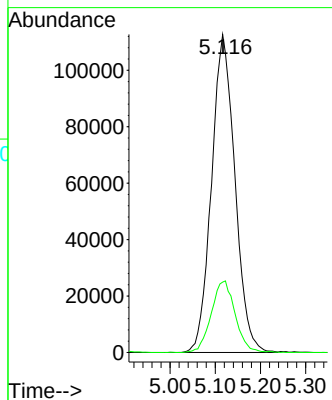
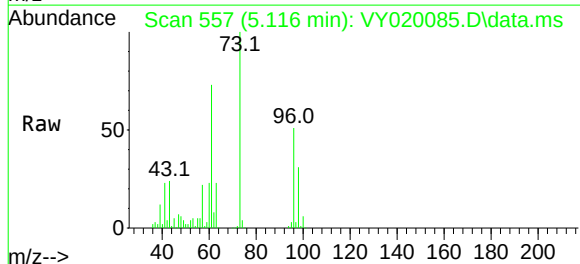
57 22.1 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#20

Methylene Chloride

Concen: 49.323 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion: 84 Resp: 174688

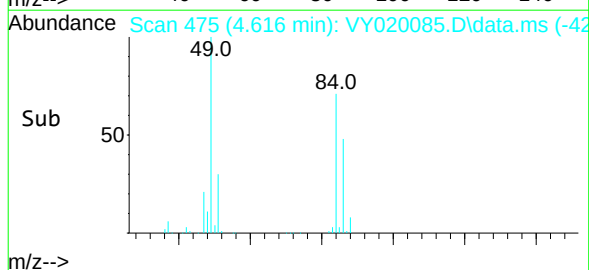
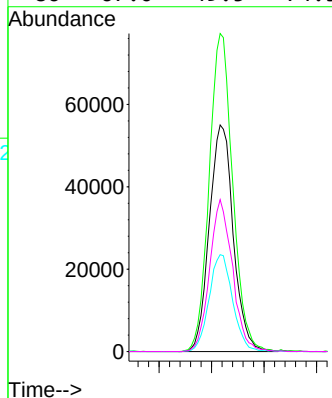
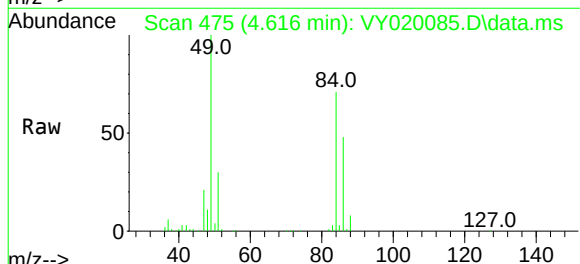
Ion Ratio Lower Upper

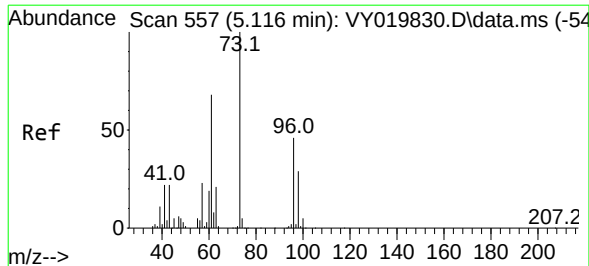
84 100

49 140.4 84.4 126.6#

51 42.8 26.0 39.0#

86 67.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 54.132 ug/l

RT: 5.116 min Scan# 557

Delta R.T. 0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

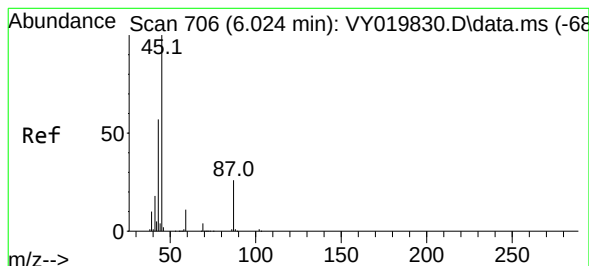
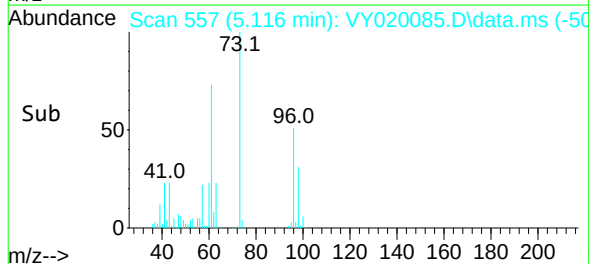
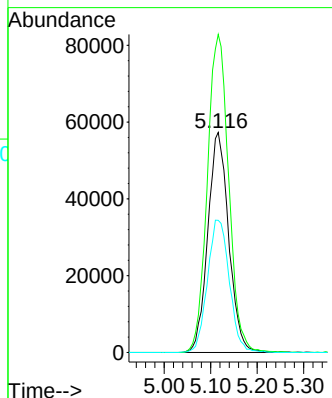
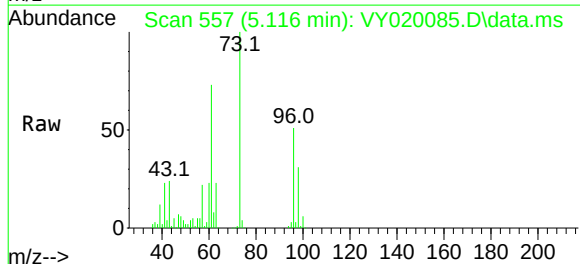
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	97.5	146.3
98	60.1	50.5	75.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#22

Diisopropyl ether

Concen: 56.200 ug/l

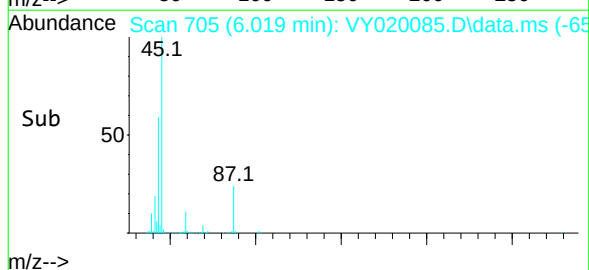
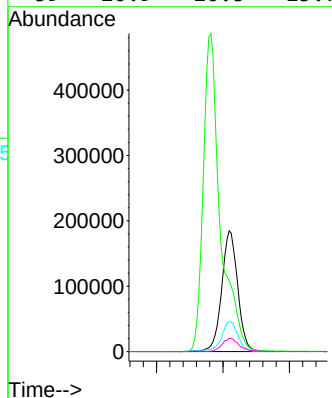
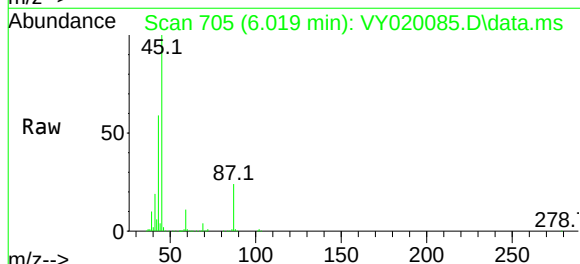
RT: 6.019 min Scan# 705

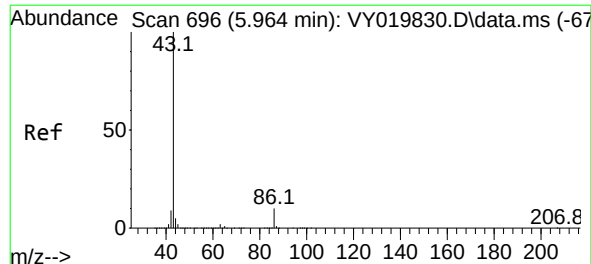
Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	42.2	63.2
87	24.4	25.0	37.6
59	10.9	10.5	15.7





#23

Vinyl Acetate

Concen: 280.242 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050

Tgt Ion: 43 Resp: 1730877

Ion Ratio Lower Upper

43 100

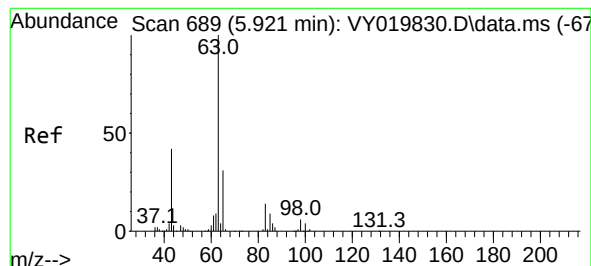
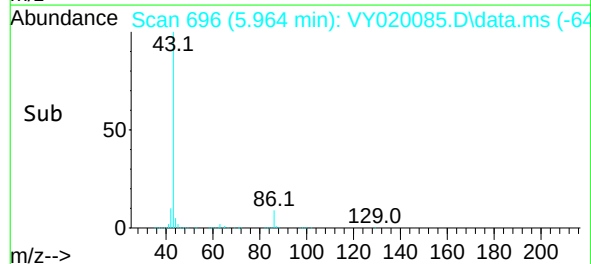
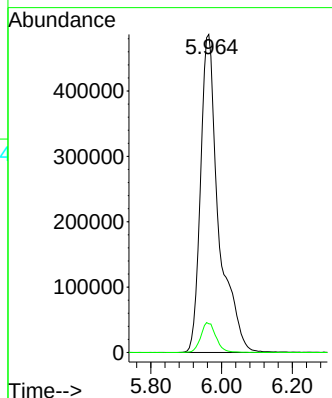
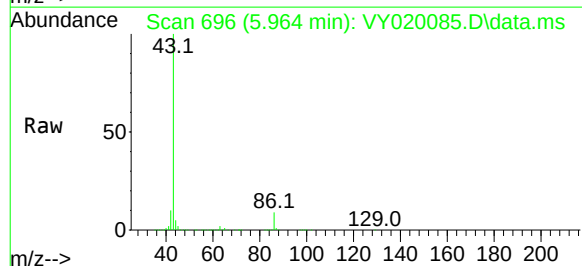
86 9.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#24

1,1-Dichloroethane

Concen: 54.139 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

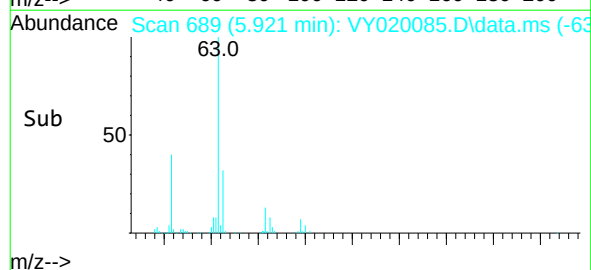
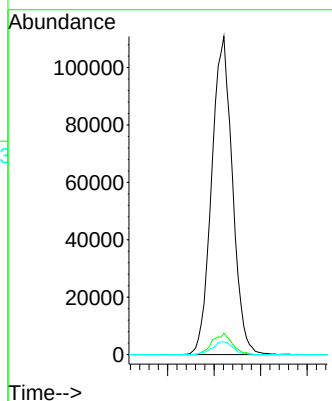
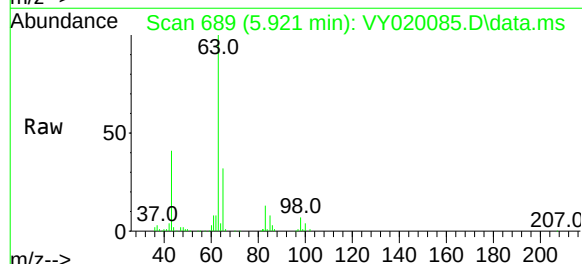
Tgt Ion: 63 Resp: 344047

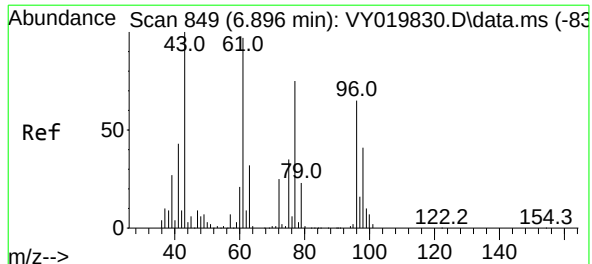
Ion Ratio Lower Upper

63 100

98 6.7 4.0 12.2

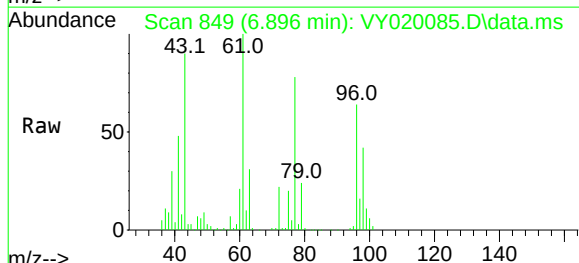
100 4.0 2.6 8.0





#25
2-Butanone
Concen: 265.950 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

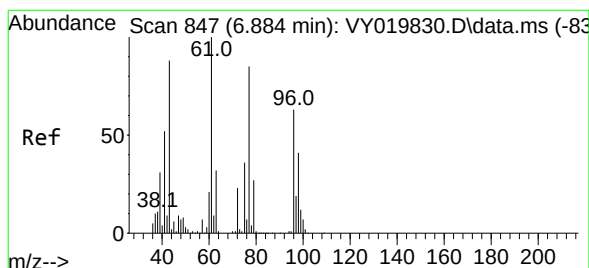
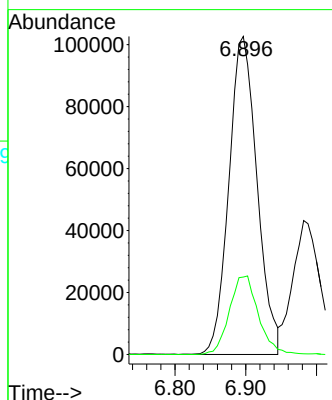
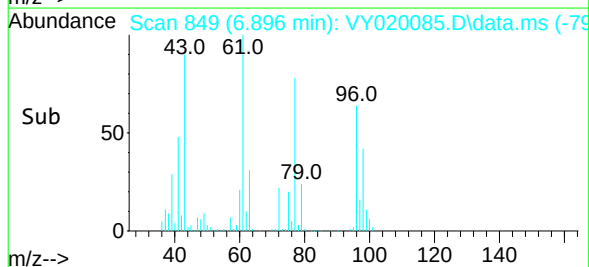
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



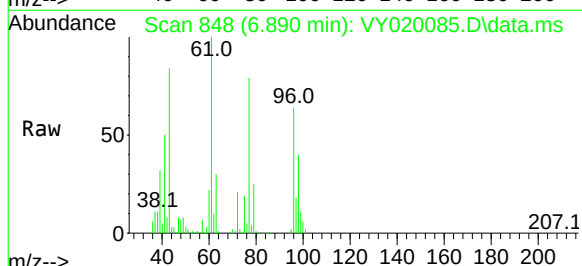
Tgt Ion: 43 Resp: 284228
Ion Ratio Lower Upper
43 100
72 24.3 27.3 40.9#

Manual Integrations
APPROVED

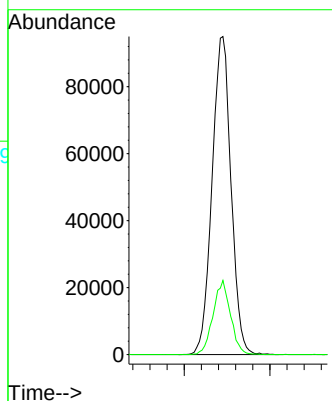
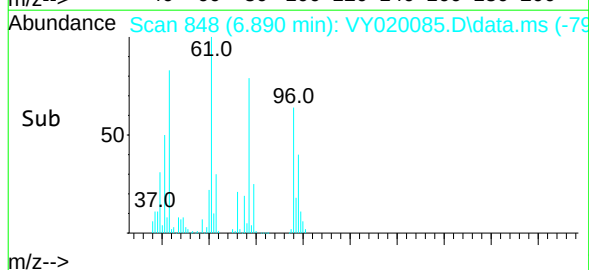
Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

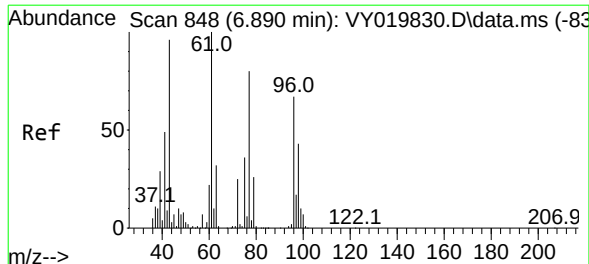


#26
2,2-Dichloropropane
Concen: 55.179 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11



Tgt Ion: 77 Resp: 291759
Ion Ratio Lower Upper
77 100
97 21.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 55.079 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY020085.D

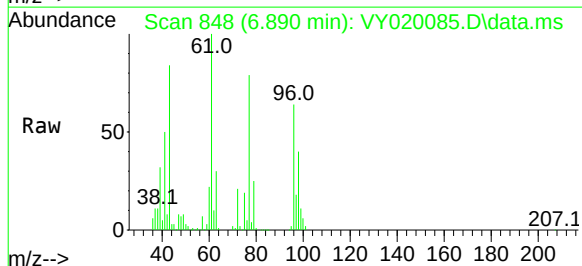
Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 209311

Ion Ratio Lower Upper

96 100

61 157.9 0.0 256.2

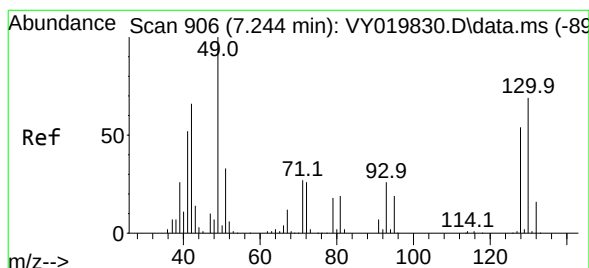
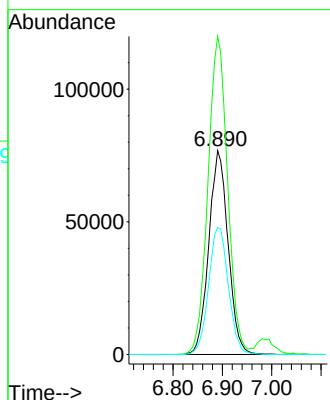
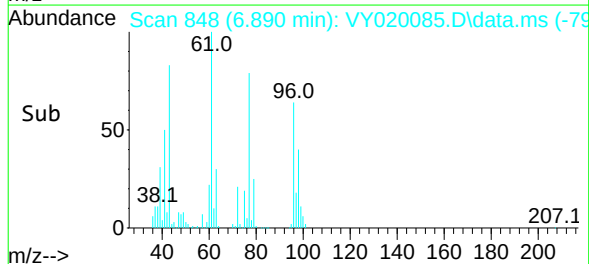
98 63.8 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#28

Bromochloromethane

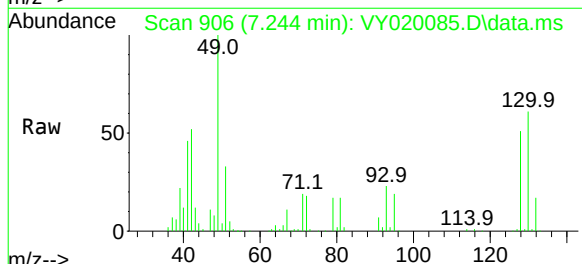
Concen: 52.677 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11



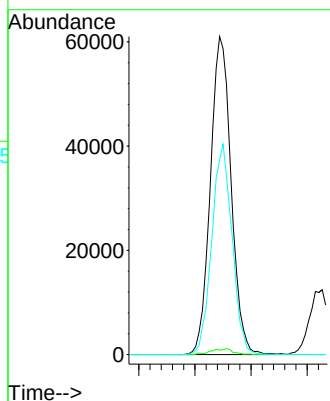
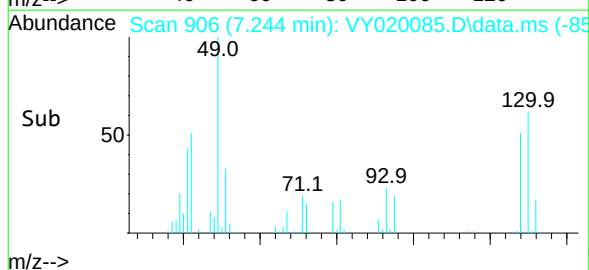
Tgt Ion: 49 Resp: 156749

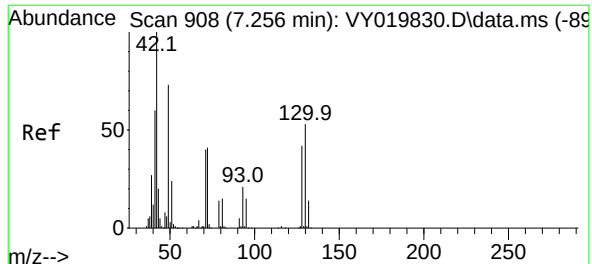
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 64.6 72.7 109.1#





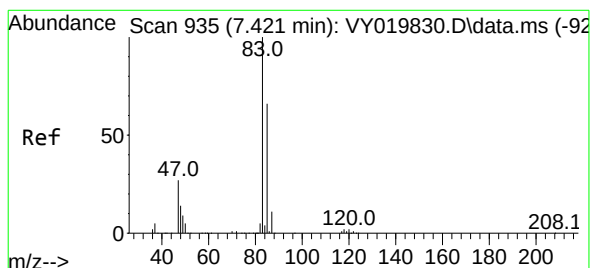
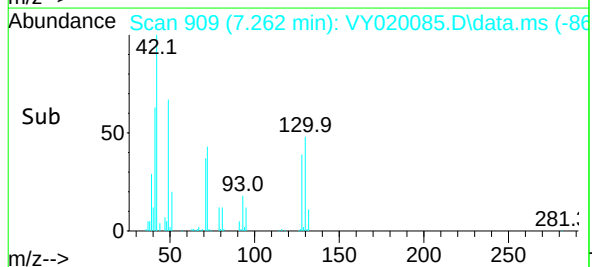
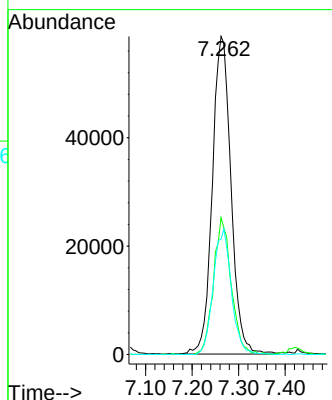
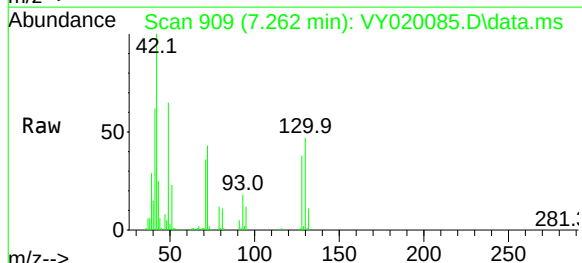
#29
Tetrahydrofuran
Concen: 265.088 ug/l
RT: 7.262 min Scan# 908
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 163497
Ion Ratio Lower Upper
42 100
72 41.0 43.0 64.4#
71 38.3 40.8 61.2#

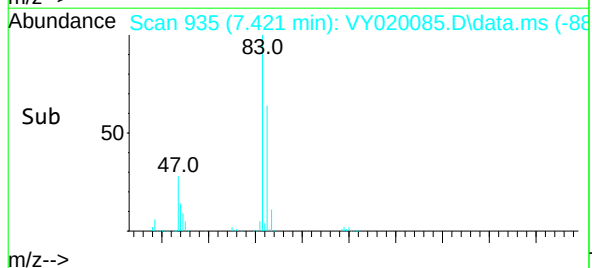
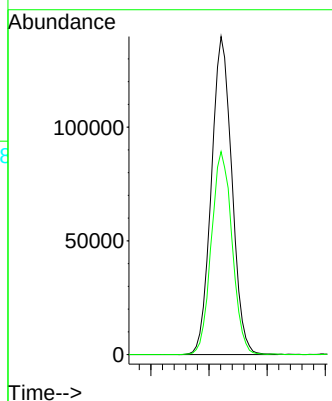
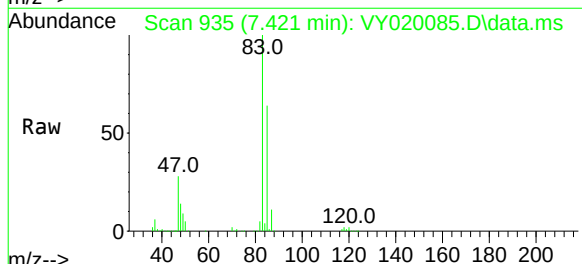
Manual Integrations
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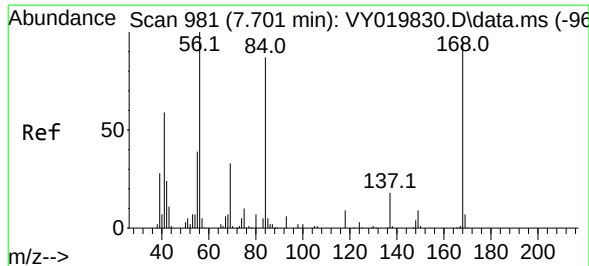
Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#30
Chloroform
Concen: 54.396 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion: 83 Resp: 343029
Ion Ratio Lower Upper
83 100
85 63.8 52.2 78.4





#31

Cyclohexane

Concen: 50.176 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY020085.D

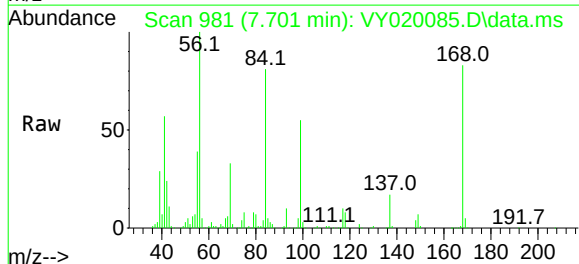
Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050



Tgt Ion: 56 Resp: 308697

Ion Ratio Lower Upper

56 100

69 33.3 28.7 43.1

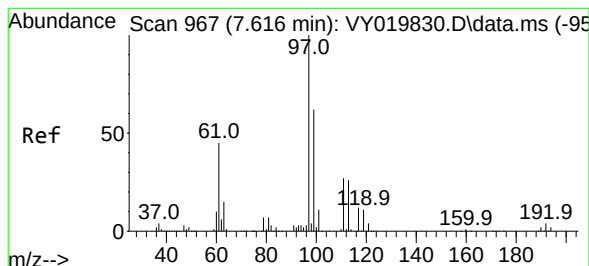
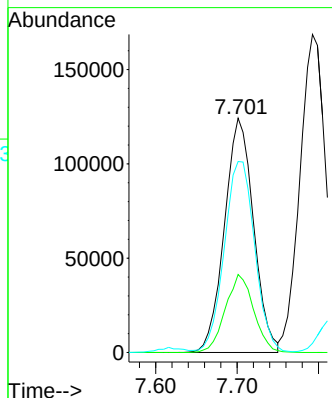
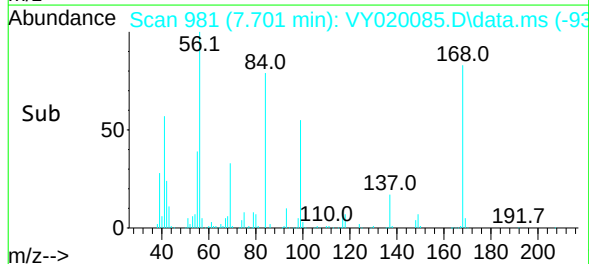
84 80.0 77.7 116.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#32

1,1,1-Trichloroethane

Concen: 54.876 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

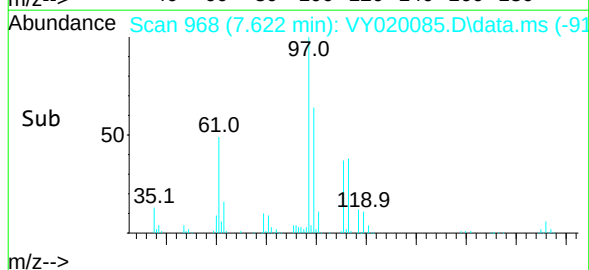
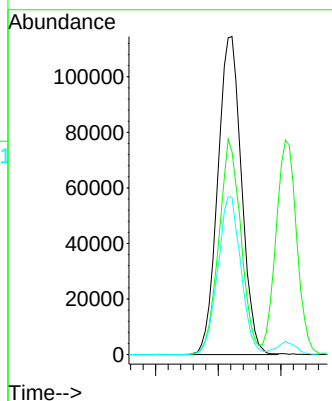
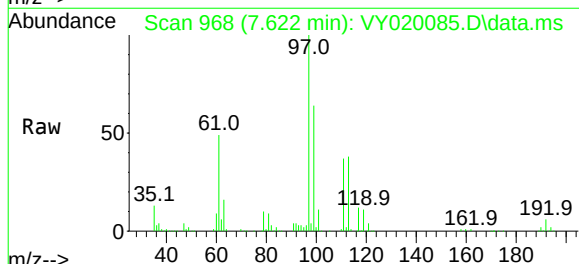
Tgt Ion: 97 Resp: 302133

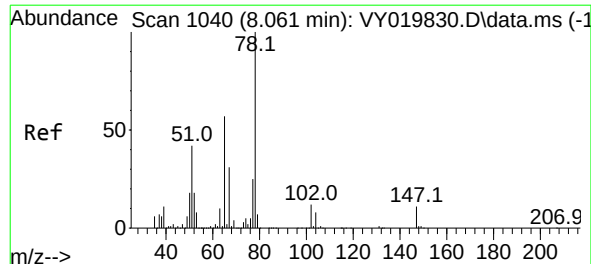
Ion Ratio Lower Upper

97 100

99 62.8 50.3 75.5

61 48.6 32.6 48.8





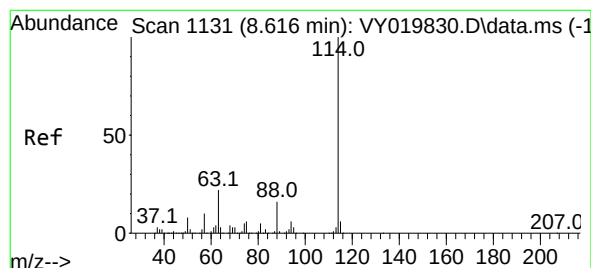
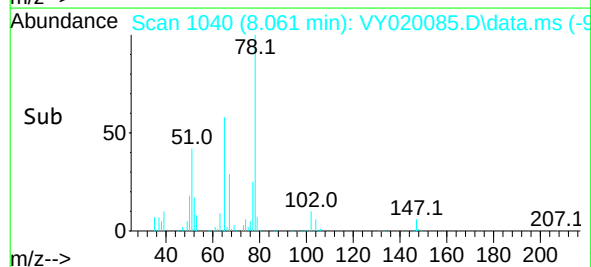
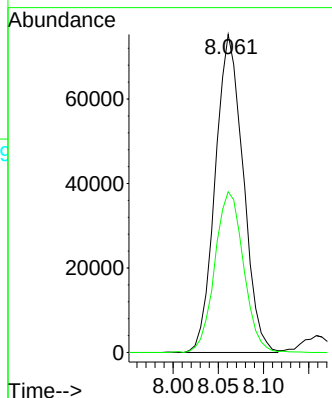
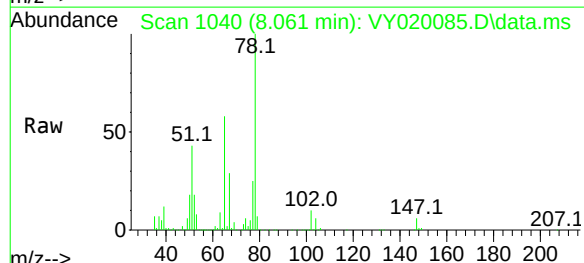
#33
1,2-Dichloroethane-d4
Concen: 47.618 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 161437
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.6

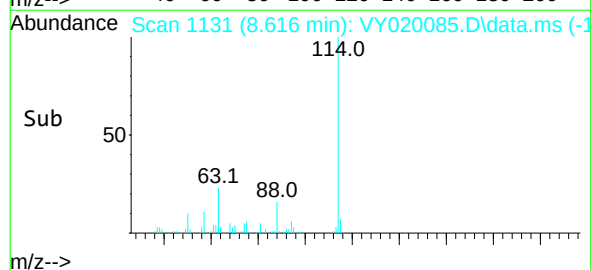
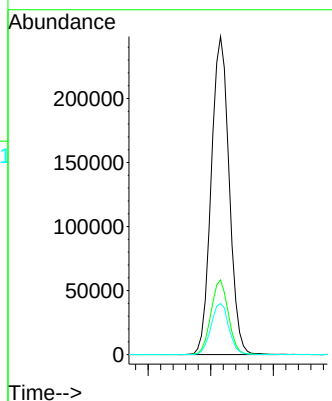
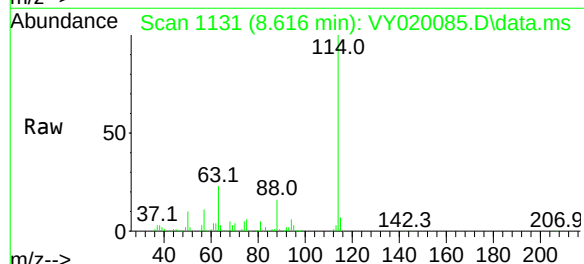
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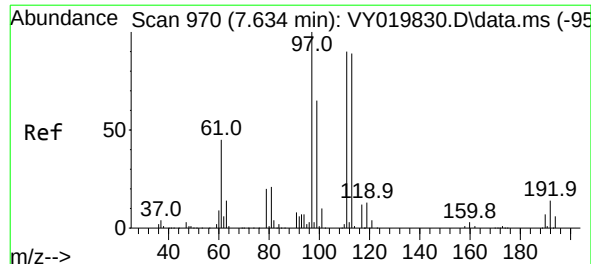
Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion:114 Resp: 493866
Ion Ratio Lower Upper
114 100
63 23.5 0.0 35.0
88 16.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 48.092 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 113 Resp: 151008

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

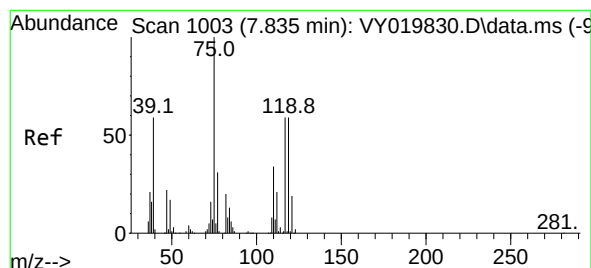
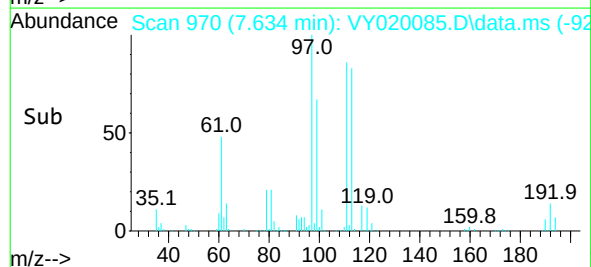
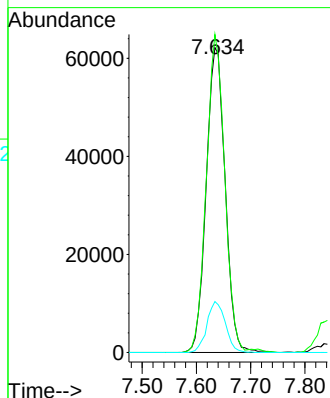
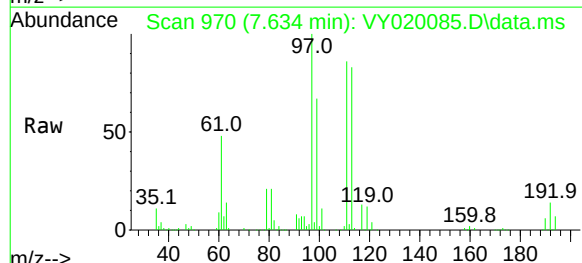
192 16.3 15.9 23.9

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 12/03/2024

Supervised By : Mahesh Dadoda 12/03/2024



#36

1,1-Dichloropropene

Concen: 52.512 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

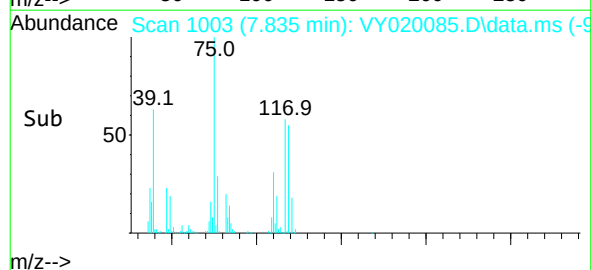
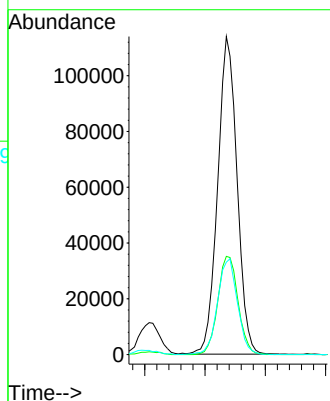
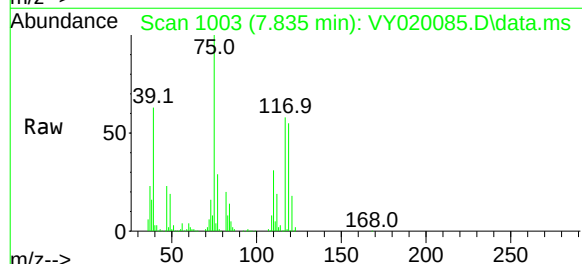
Tgt Ion: 75 Resp: 254712

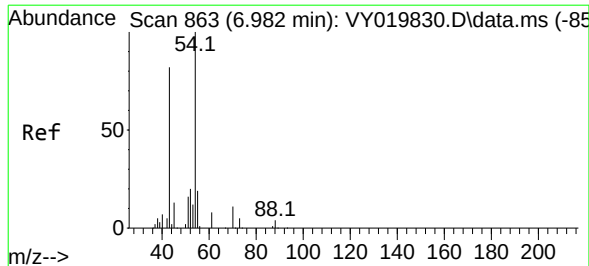
Ion Ratio Lower Upper

75 100

110 32.3 19.0 57.0

77 31.1 25.3 37.9





#37

Ethyl Acetate

Concen: 51.314 ug/l

RT: 6.982 min Scan# 863

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 118668

Ion Ratio Lower Upper

43 100

61 12.3 12.6 19.0

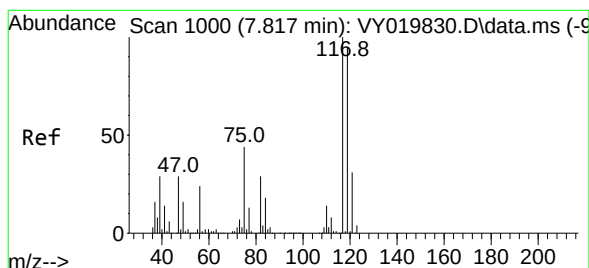
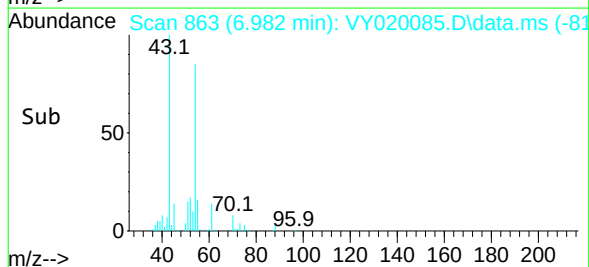
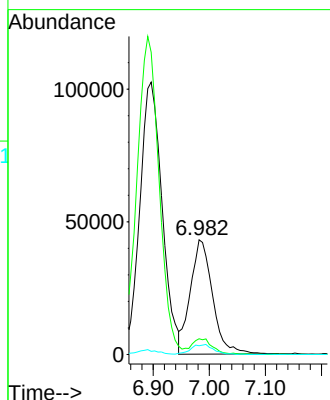
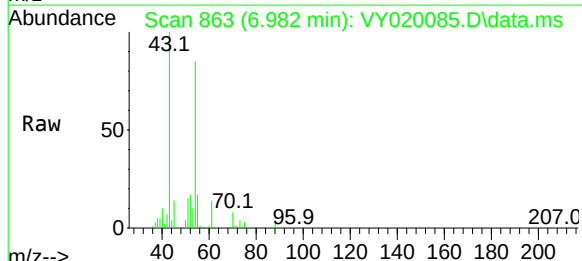
70 8.8 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#38

Carbon Tetrachloride

Concen: 53.412 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

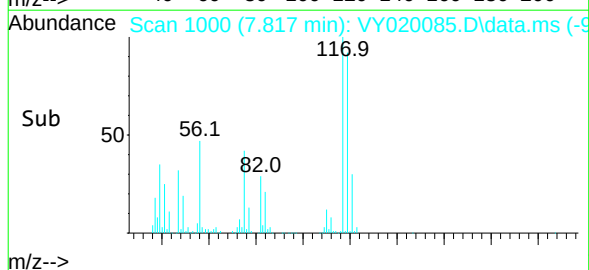
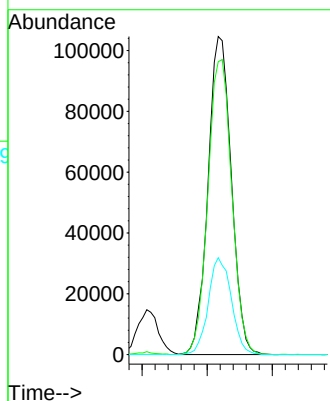
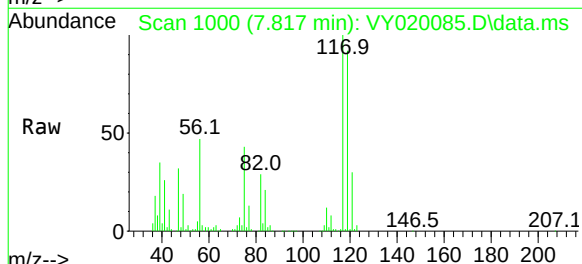
Tgt Ion:117 Resp: 260526

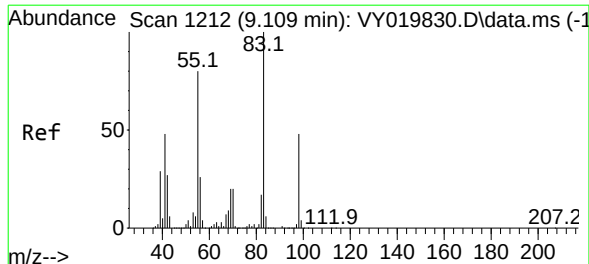
Ion Ratio Lower Upper

117 100

119 92.1 75.8 113.6

121 30.5 24.0 36.0





#39

Methylcyclohexane

Concen: 52.621 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 323942

Ion Ratio Lower Upper

83 100

55 82.3 51.5 77.3

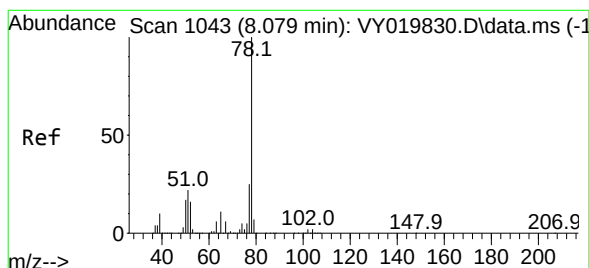
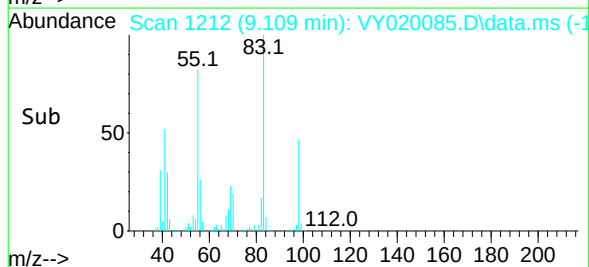
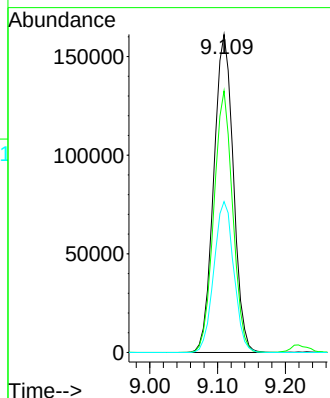
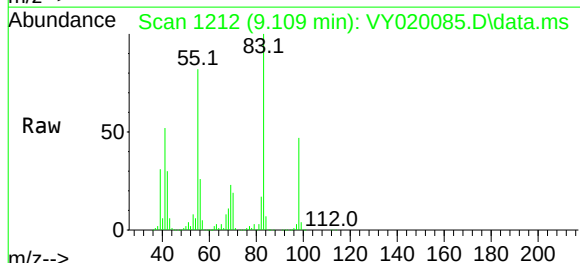
98 47.4 40.5 60.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#40

Benzene

Concen: 53.326 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020085.D

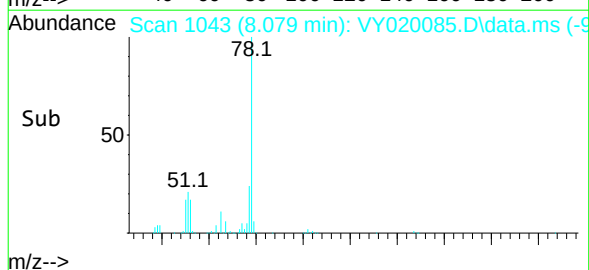
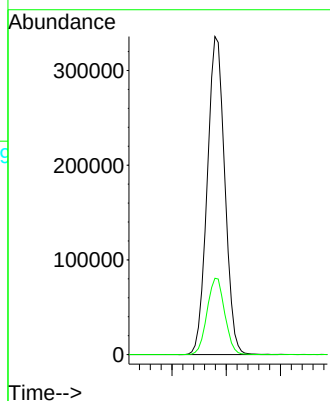
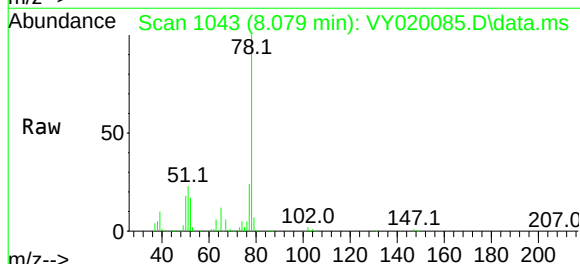
Acq: 31 Oct 2024 11:11

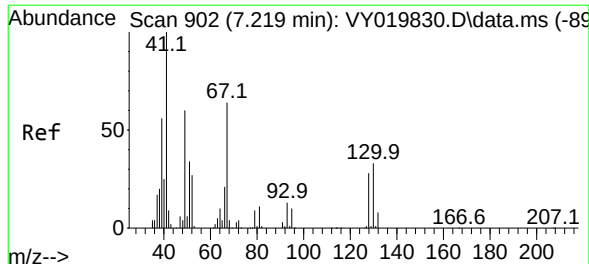
Tgt Ion: 78 Resp: 754991

Ion Ratio Lower Upper

78 100

77 24.0 19.5 29.3





#41

Methacrylonitrile

Concen: 58.613 ug/l

RT: 7.220 min Scan# 902

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 67900

Ion Ratio Lower Upper

41 100

39 54.8 48.0 72.0

67 68.6 75.1 112.7

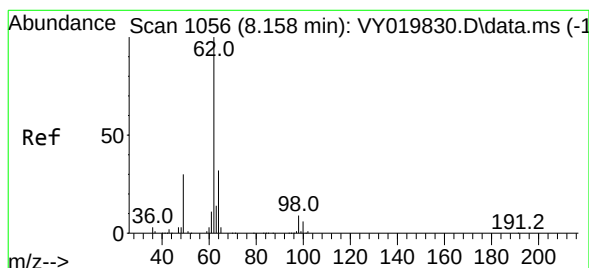
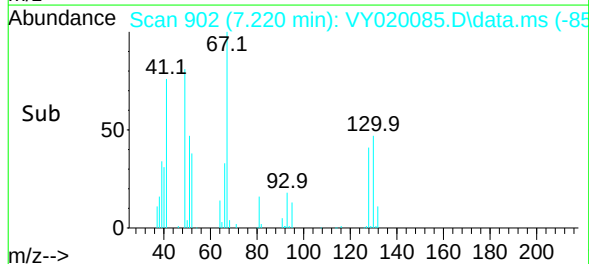
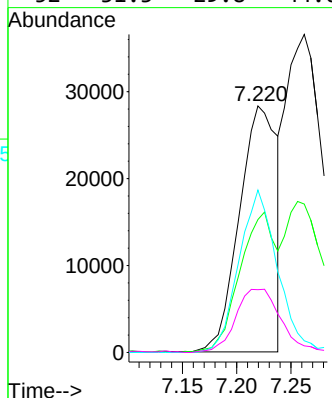
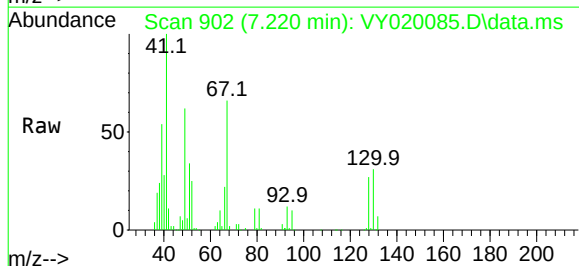
52 31.3 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#42

1,2-Dichloroethane

Concen: 52.962 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY020085.D

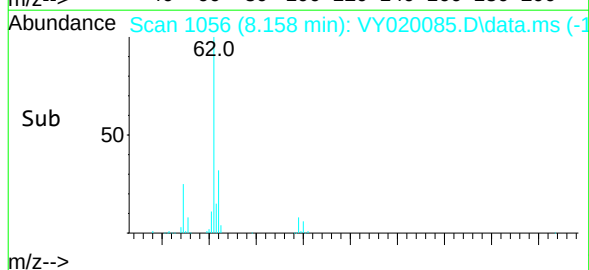
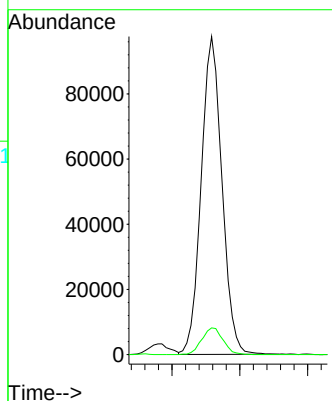
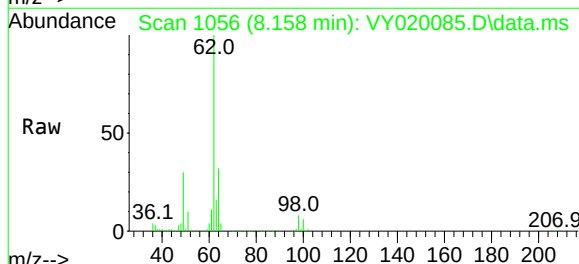
Acq: 31 Oct 2024 11:11

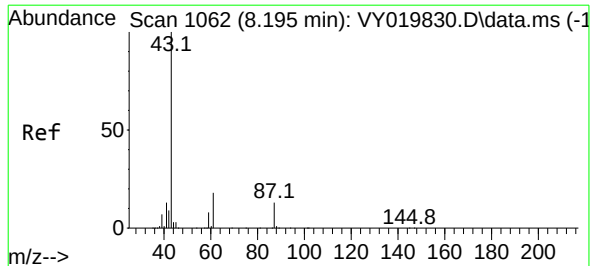
Tgt Ion: 62 Resp: 207555

Ion Ratio Lower Upper

62 100

98 8.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 53.216 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion: 43 Resp: 236652

Ion Ratio Lower Upper

43 100

61 17.0 27.9 41.9

87 11.6 13.1 19.7

Instrument :

MSVOA_Y

ClientSampleId :

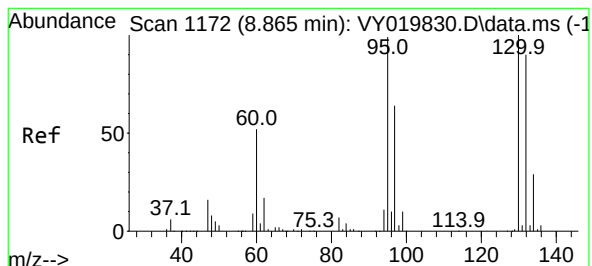
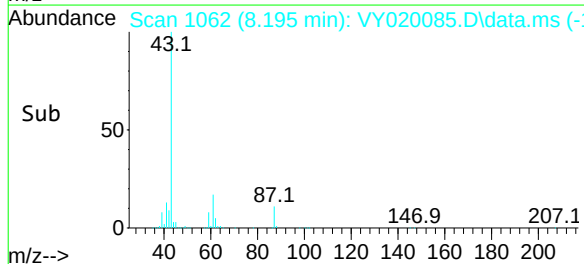
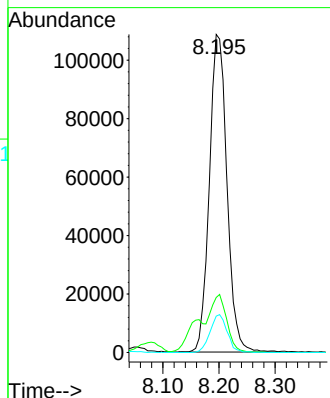
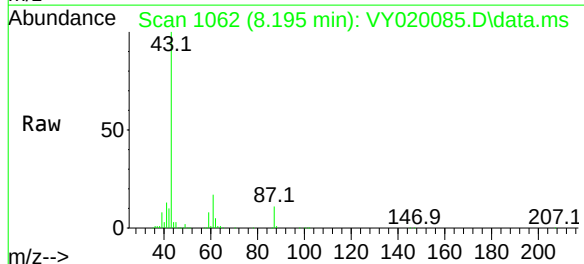
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#44

Trichloroethene

Concen: 52.578 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY020085.D

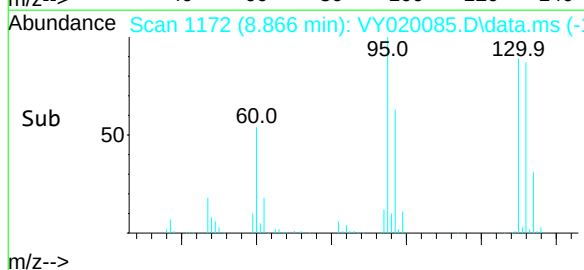
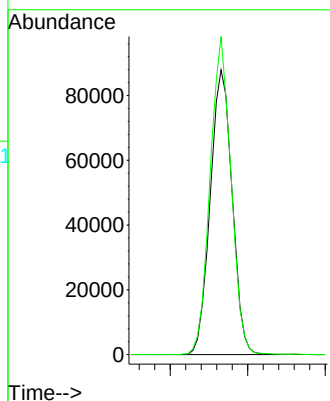
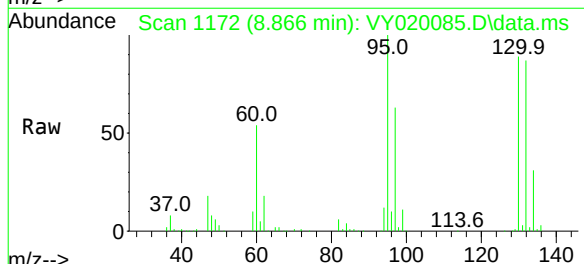
Acq: 31 Oct 2024 11:11

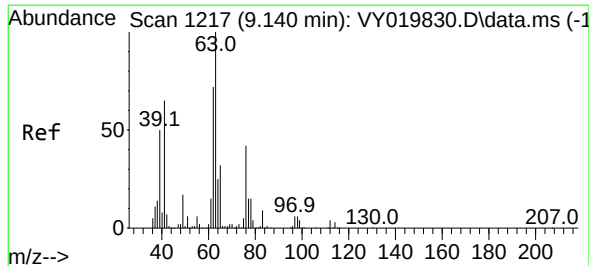
Tgt Ion:130 Resp: 172527

Ion Ratio Lower Upper

130 100

95 111.7 0.0 188.0





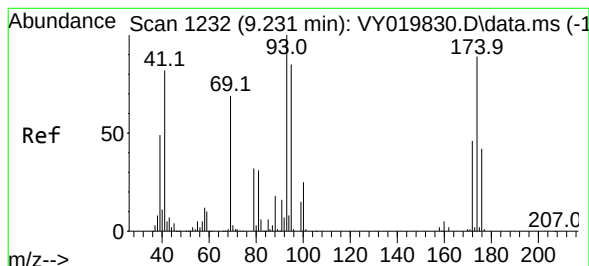
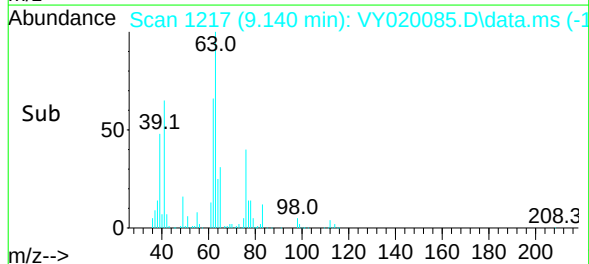
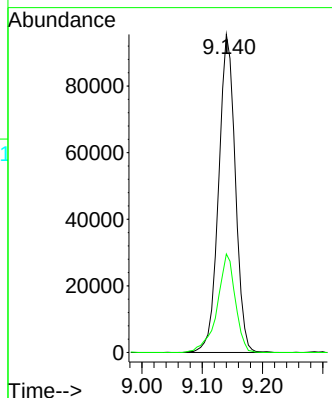
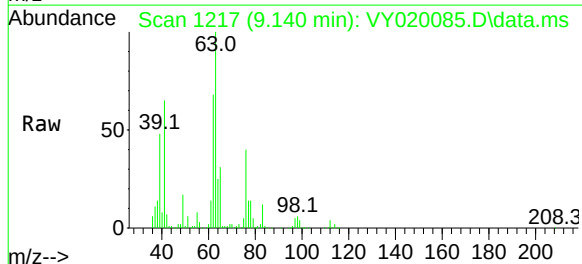
#45
1,2-Dichloropropane
Concen: 54.224 ug/l
RT: 9.140 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 183675
Ion Ratio Lower Upper
63 100
65 31.0 25.4 38.2

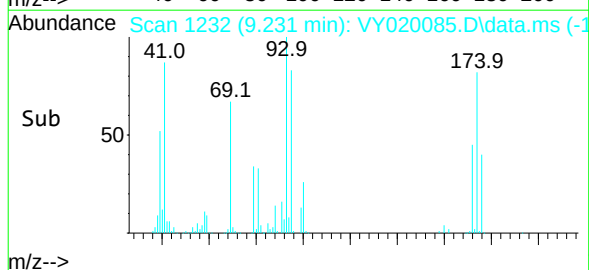
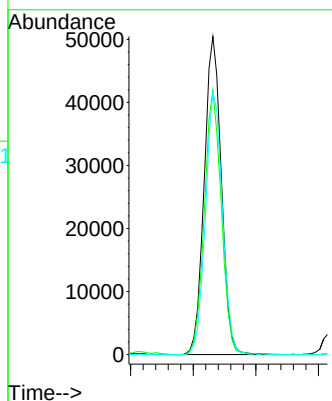
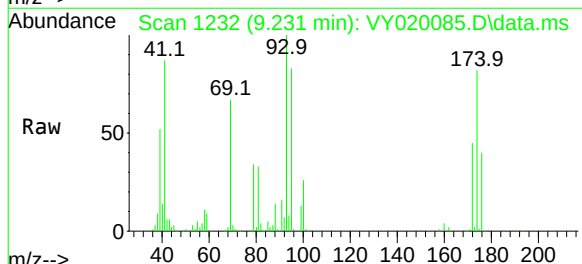
Manual Integrations
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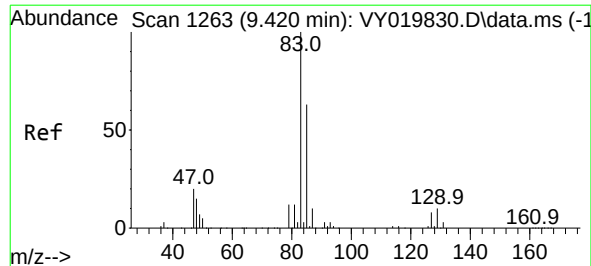
Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#46
Dibromomethane
Concen: 52.223 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion: 93 Resp: 95851
Ion Ratio Lower Upper
93 100
95 82.1 66.2 99.4
174 81.8 80.9 121.3





#47

Bromodichloromethane

Concen: 53.904 ug/l

RT: 9.420 min Scan# 12

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

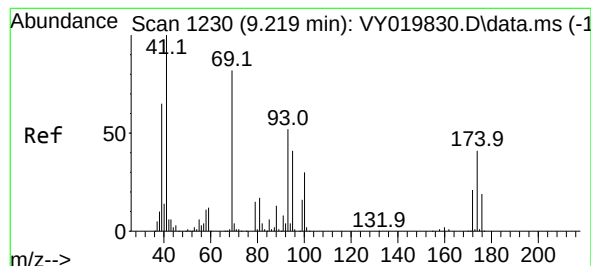
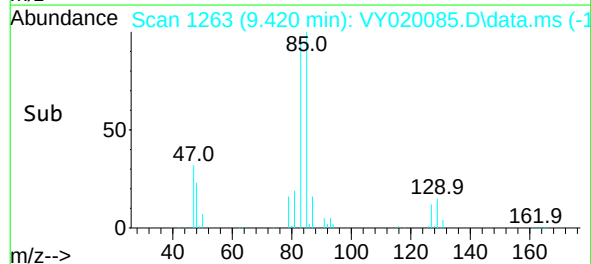
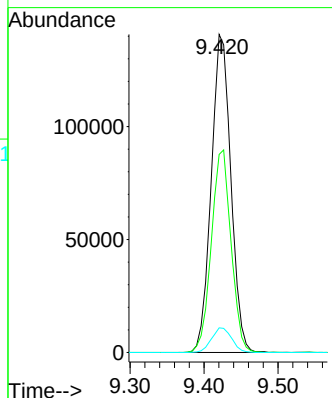
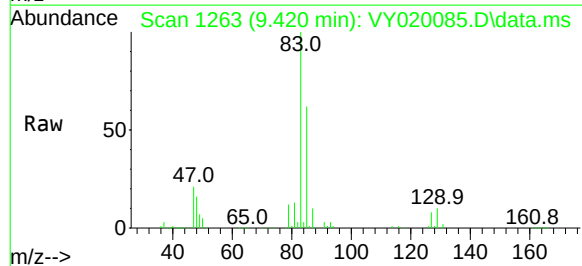
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	259184
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.1	75.1
127	7.7	7.4	11.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#48

Methyl methacrylate

Concen: 55.124 ug/l

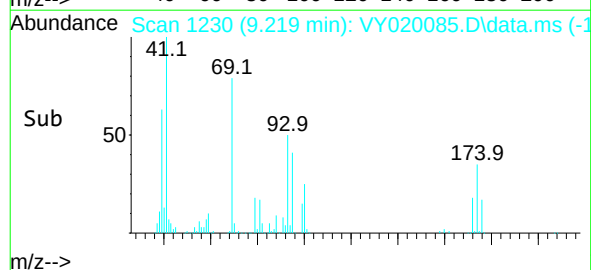
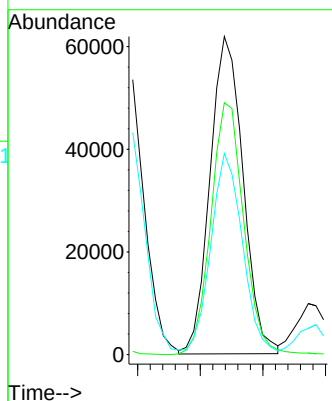
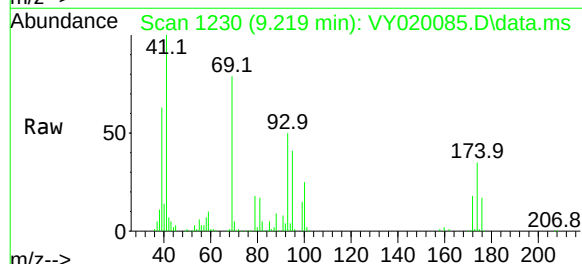
RT: 9.219 min Scan# 1230

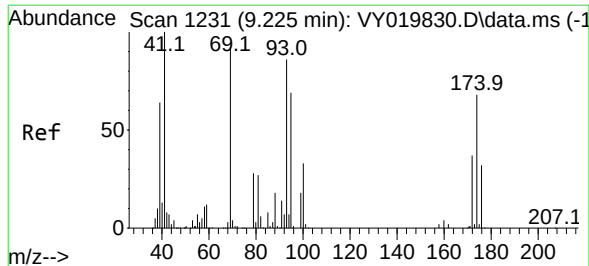
Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

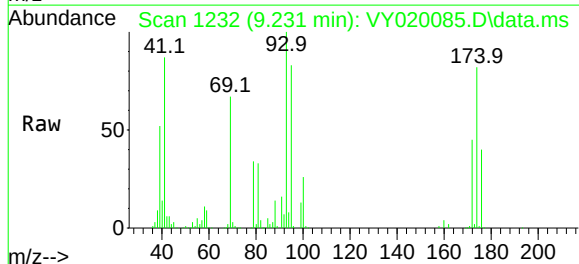
Tgt Ion:	41	Resp:	113548
Ion	Ratio	Lower	Upper
41	100		
69	78.9	84.1	126.1#
39	58.6	43.6	65.4





#49
1,4-Dioxane
Concen: 951.294 ug/l
RT: 9.231 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

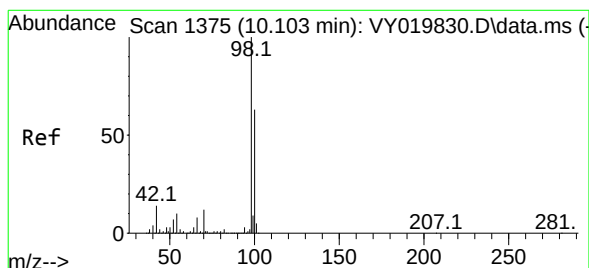
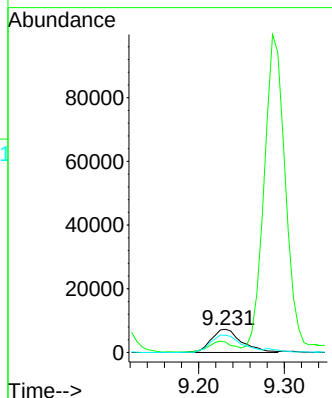
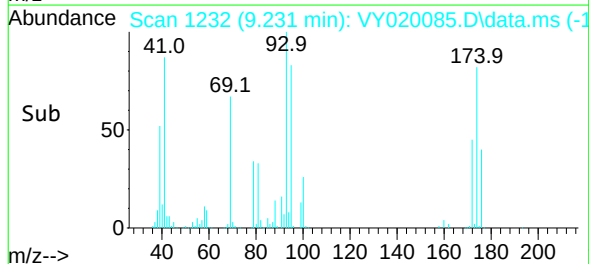
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 88 Resp: 17976
Ion Ratio Lower Upper
88 100
43 39.0 0.0 0.0#
58 76.1 49.3 73.9#

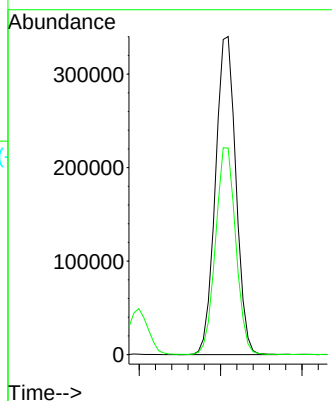
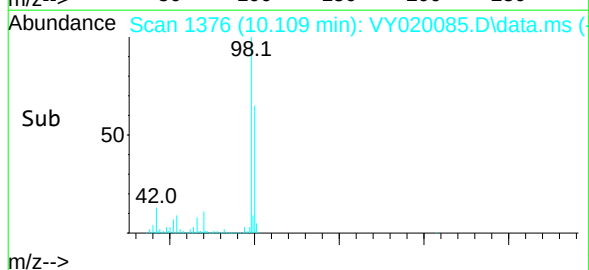
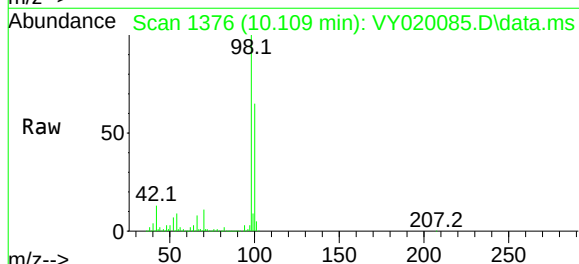
Manual Integrations
APPROVED

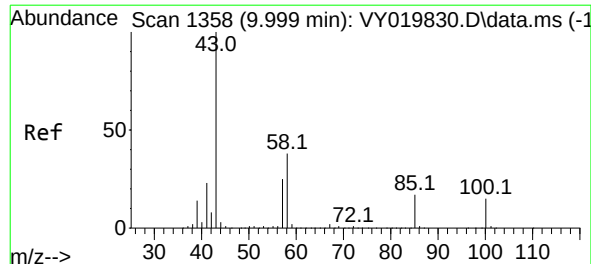
Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#50
Toluene-d8
Concen: 47.546 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion: 98 Resp: 594255
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 262.836 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion: 43 Resp: 602264

Ion Ratio Lower Upper

43 100

58 37.5 35.7 53.5

Instrument :

MSVOA_Y

ClientSampleId :

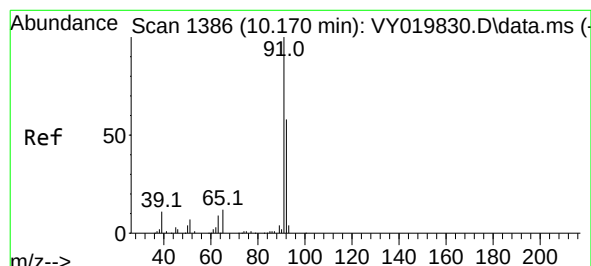
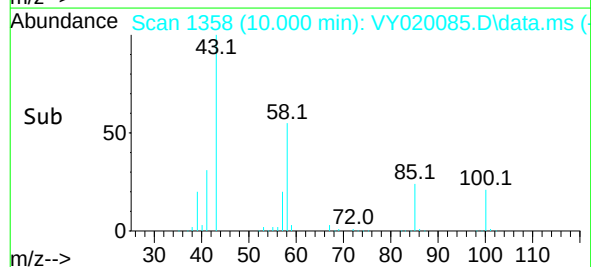
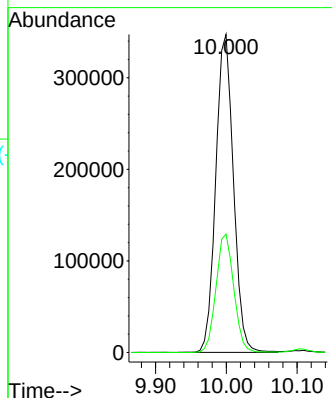
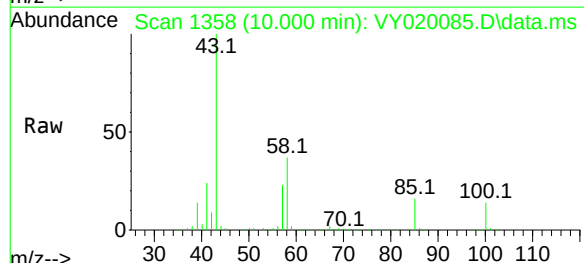
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#52

Toluene

Concen: 54.054 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020085.D

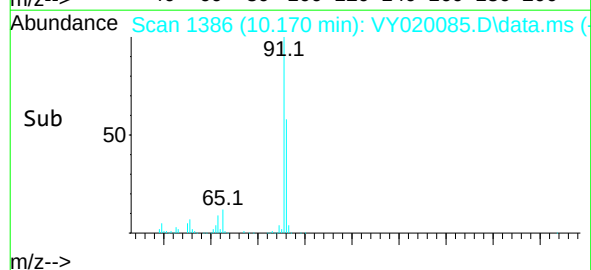
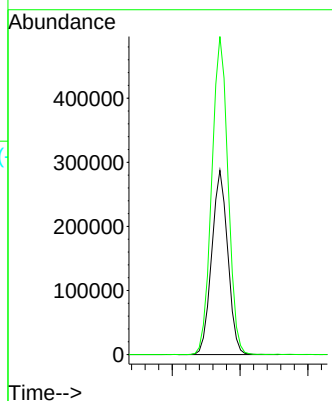
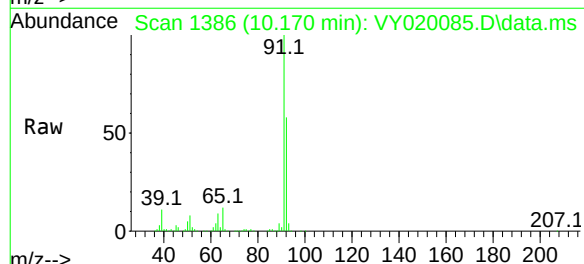
Acq: 31 Oct 2024 11:11

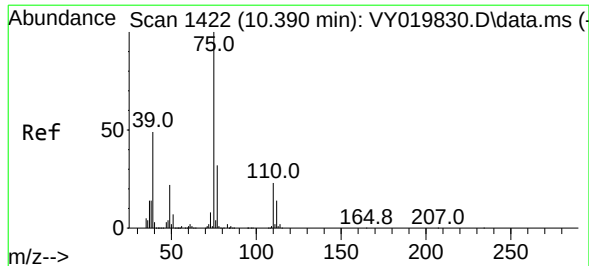
Tgt Ion: 92 Resp: 471742

Ion Ratio Lower Upper

92 100

91 175.5 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 54.434 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020085.D

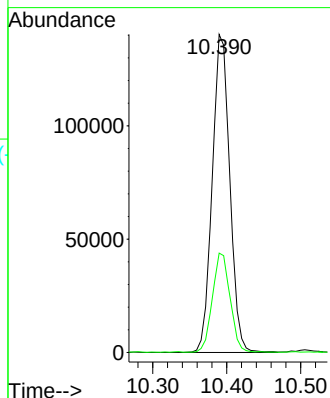
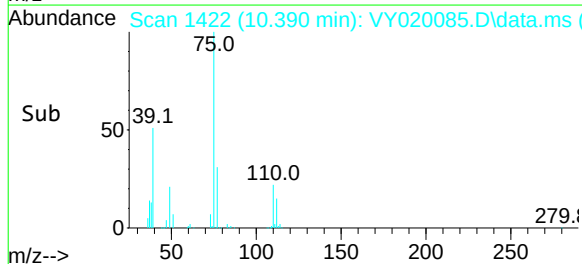
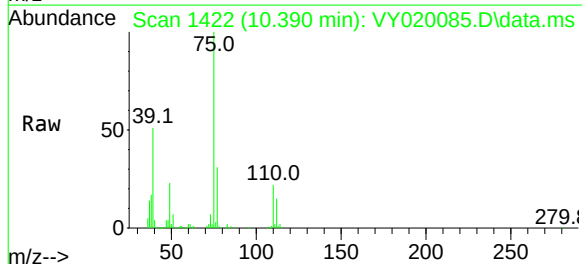
Acq: 31 Oct 2024 11:11

Tgt Ion: 75 Resp: 231123

Ion Ratio Lower Upper

75 100

77 31.2 24.1 36.1



Instrument :

MSVOA_Y

ClientSampleId :

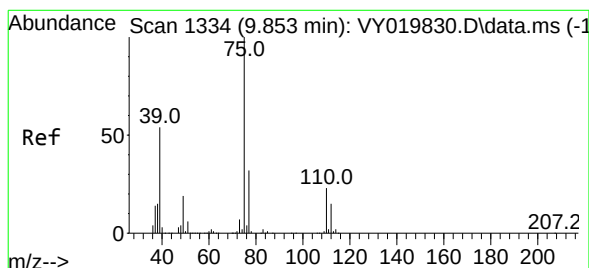
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#54

cis-1,3-Dichloropropene

Concen: 55.494 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

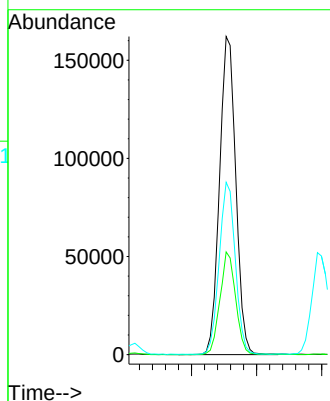
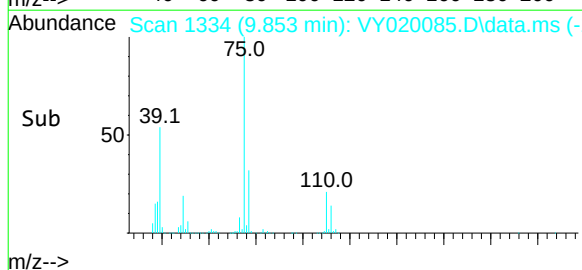
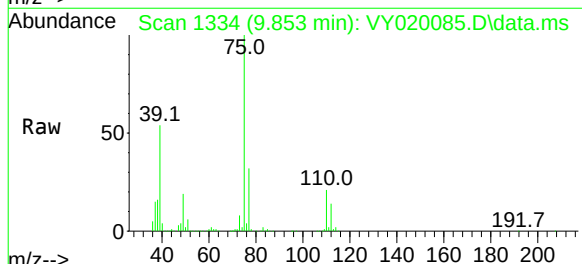
Tgt Ion: 75 Resp: 281238

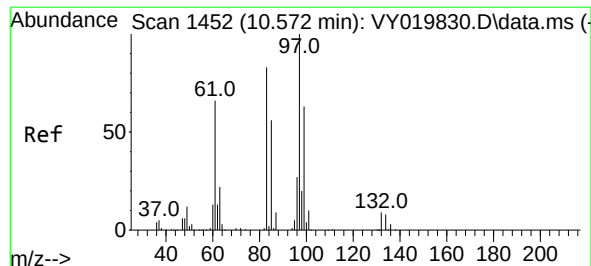
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

39 54.1 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 54.210 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion: 97 Resp: 123711

Ion Ratio Lower Upper

97 100

83 84.0 67.5 101.3

85 53.5 42.9 64.3

99 60.8 46.6 70.0

Instrument :

MSVOA_Y

ClientSampleId :

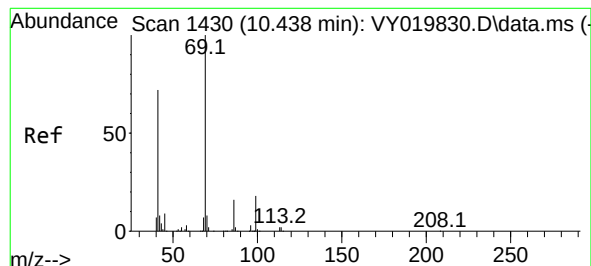
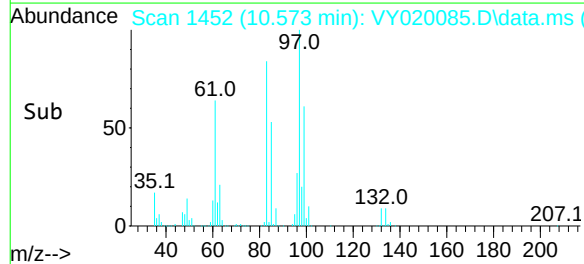
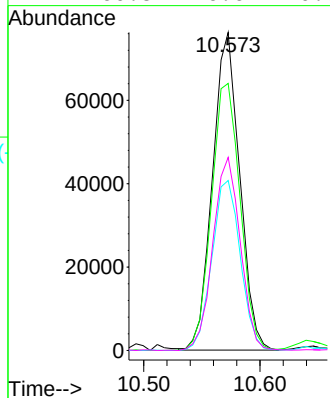
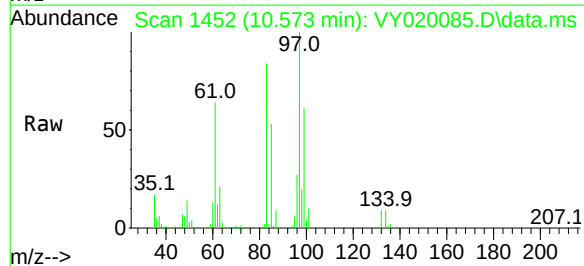
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#56

Ethyl methacrylate

Concen: 55.097 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

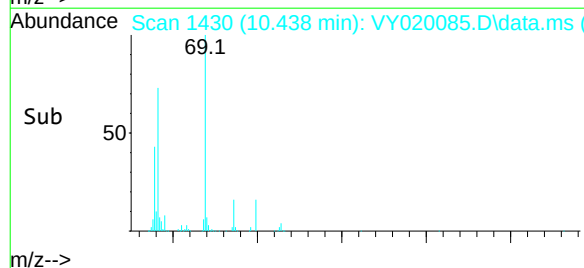
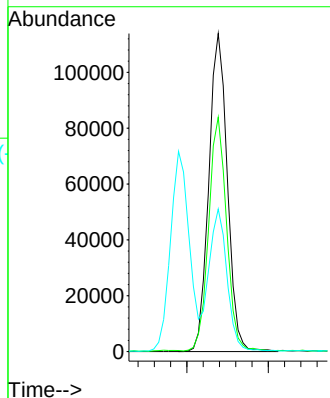
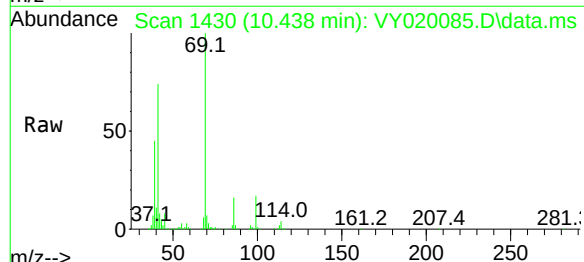
Tgt Ion: 69 Resp: 180361

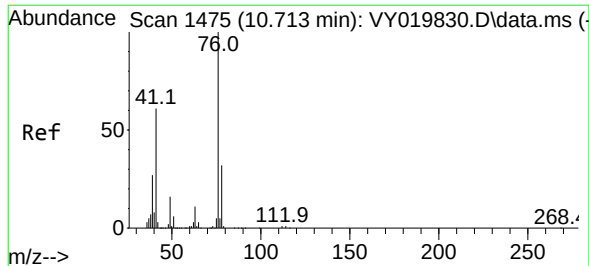
Ion Ratio Lower Upper

69 100

41 70.9 42.3 63.5#

39 44.0 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 52.815 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 220718

Ion Ratio Lower Upper

76 100

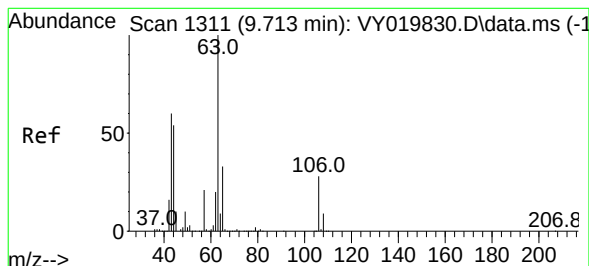
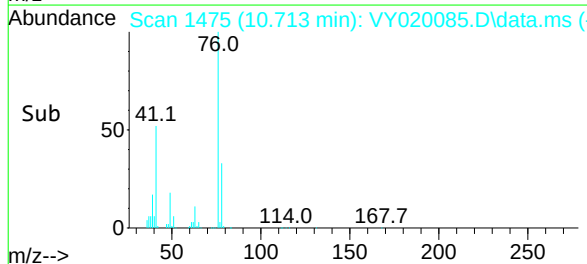
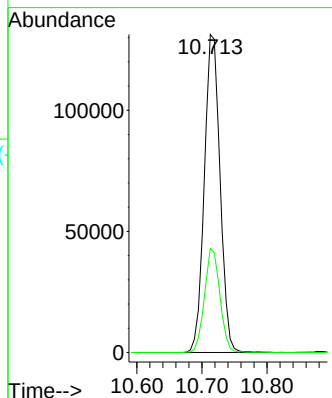
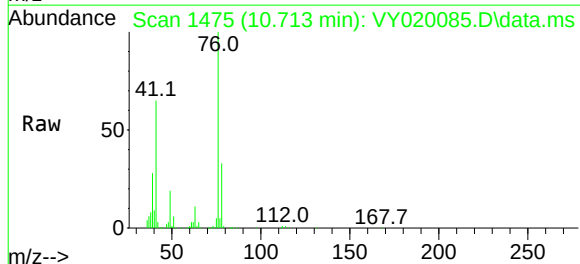
78 32.1 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#58

2-Chloroethyl Vinyl ether

Concen: 252.289 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY020085.D

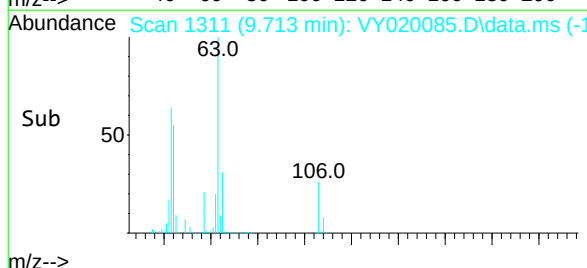
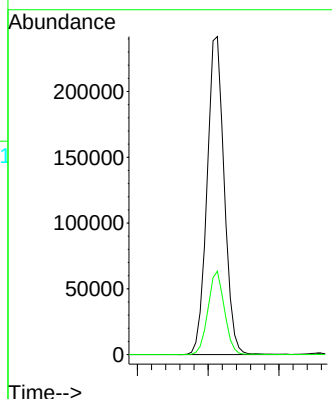
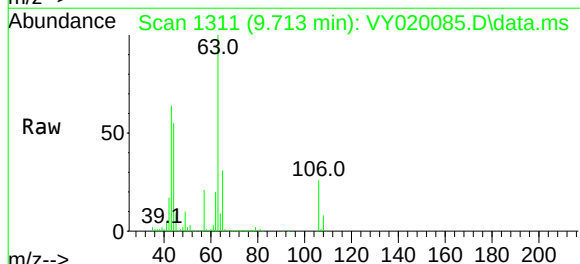
Acq: 31 Oct 2024 11:11

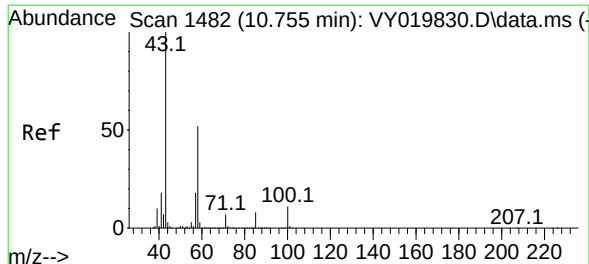
Tgt Ion: 63 Resp: 407292

Ion Ratio Lower Upper

63 100

106 25.1 23.7 35.5





#59

2-Hexanone

Concen: 269.602 ug/l

RT: 10.762 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 442893

Ion Ratio Lower Upper

43 100

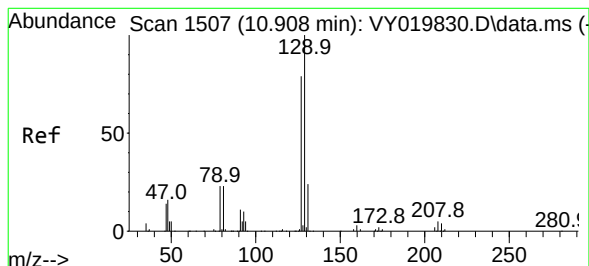
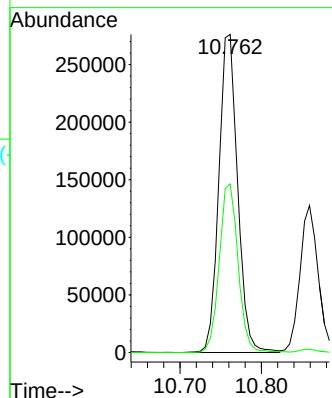
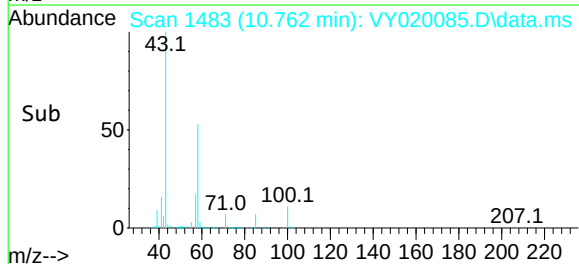
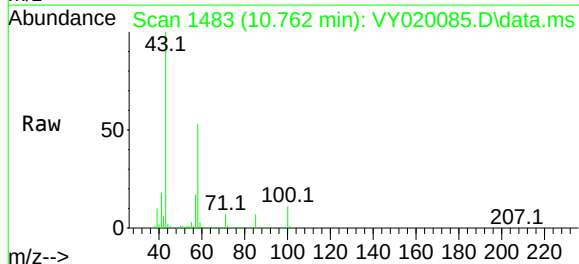
58 53.1 31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#60

Dibromochloromethane

Concen: 53.685 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.006 min

Lab File: VY020085.D

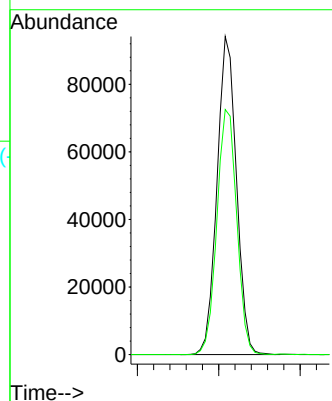
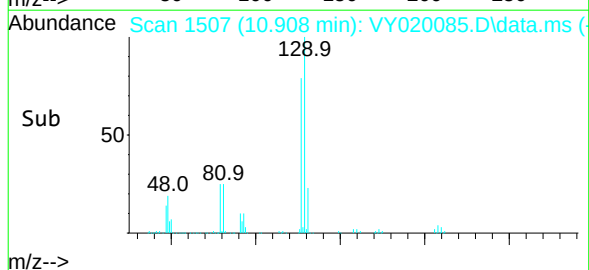
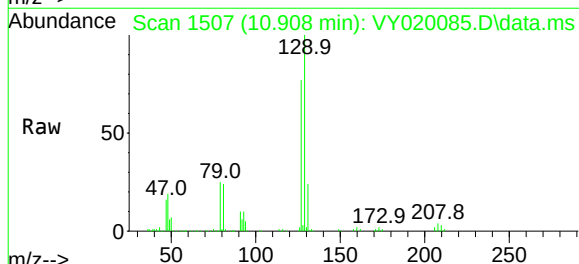
Acq: 31 Oct 2024 11:11

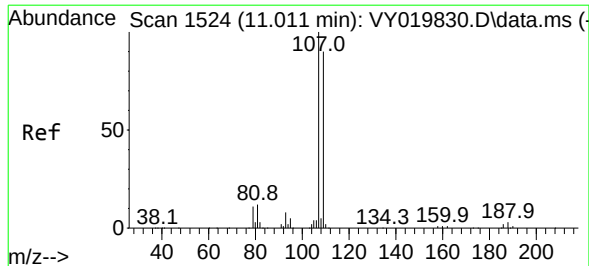
Tgt Ion:129 Resp: 156166

Ion Ratio Lower Upper

129 100

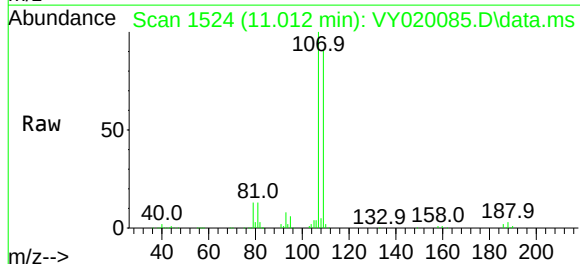
127 78.7 39.0 117.0





#61
1,2-Dibromoethane
Concen: 52.735 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

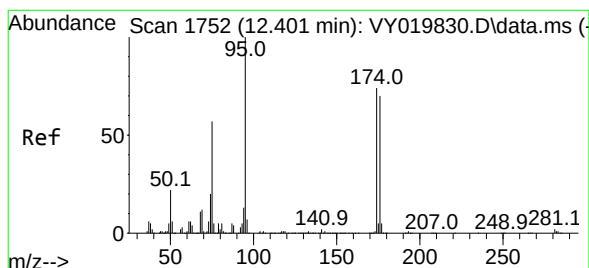
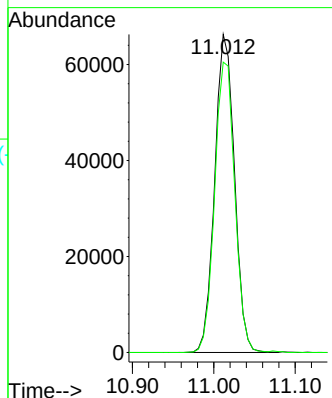
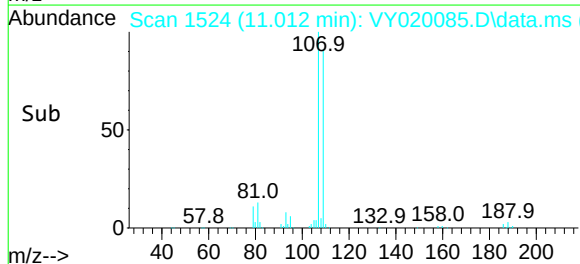
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



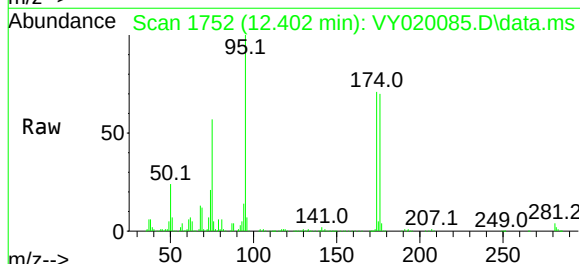
Tgt Ion: 107 Resp: 111808
Ion Ratio Lower Upper
107 100
109 93.4 75.9 113.9

Manual Integrations
APPROVED

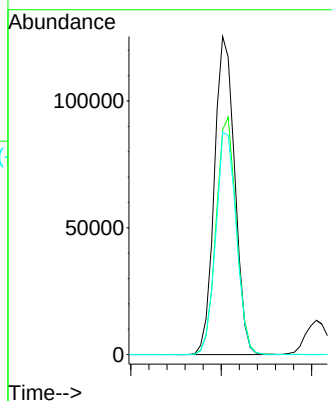
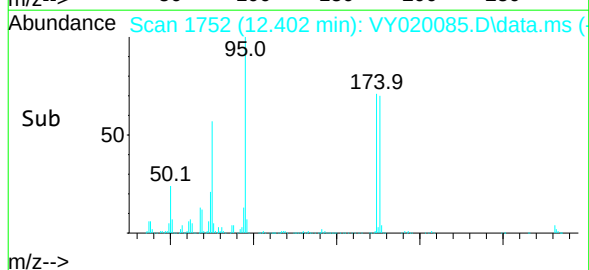
Reviewed By : Semsettin Yesilyurt 12/03/2024
Supervised By : Mahesh Dadoda 12/03/2024

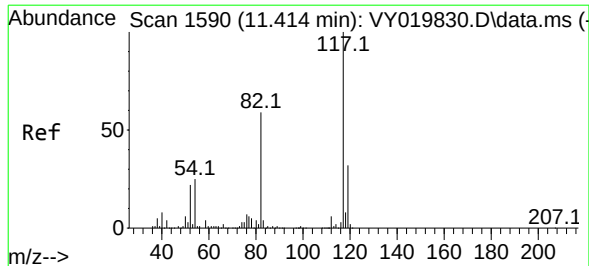


#62
4-Bromofluorobenzene
Concen: 48.373 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11



Tgt Ion: 95 Resp: 196378
Ion Ratio Lower Upper
95 100
174 73.7 0.0 175.6
176 70.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 426183

Ion Ratio Lower Upper

117 100

82 59.8 42.4 63.6

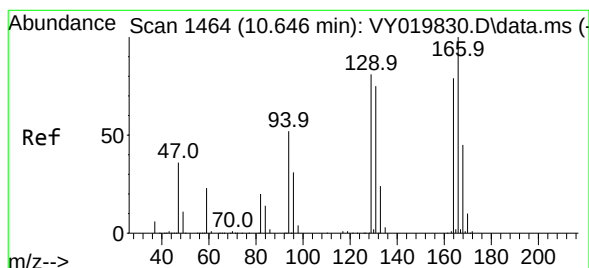
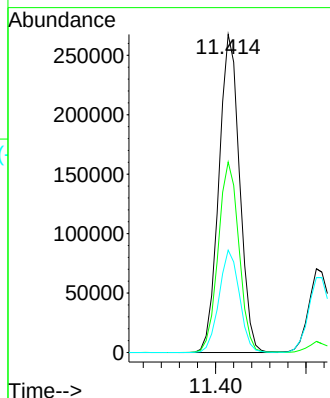
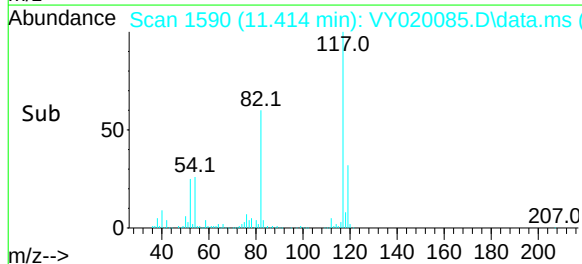
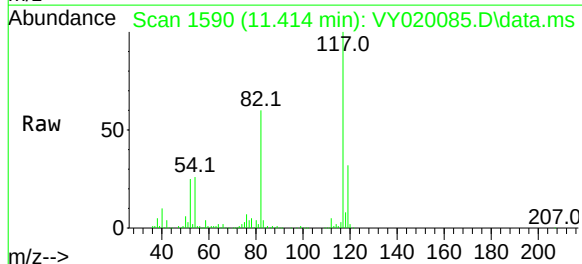
119 32.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#64

Tetrachloroethene

Concen: 55.164 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion:164 Resp: 155228

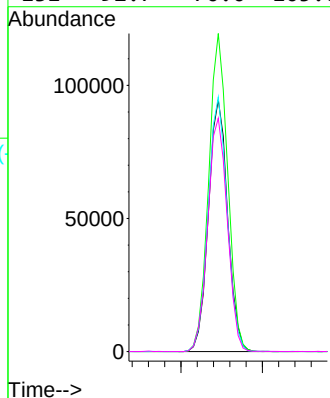
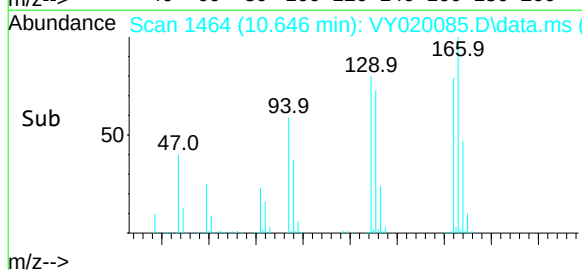
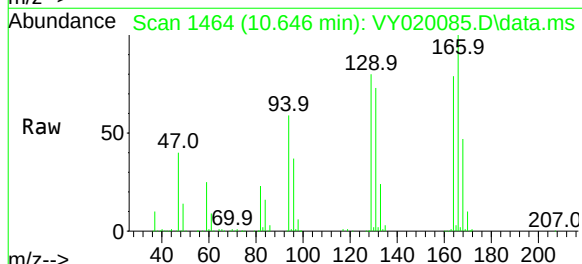
Ion Ratio Lower Upper

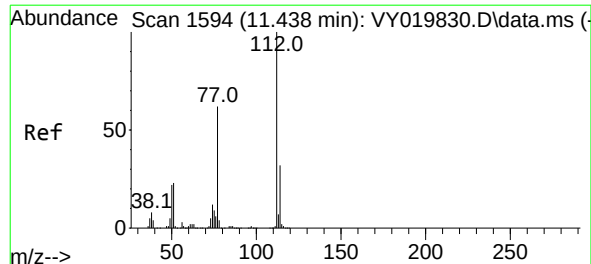
164 100

166 126.4 102.6 154.0

129 101.1 72.0 108.0

131 92.7 70.0 105.0





#65

Chlorobenzene

Concen: 54.068 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 490987

Ion Ratio Lower Upper

112 100

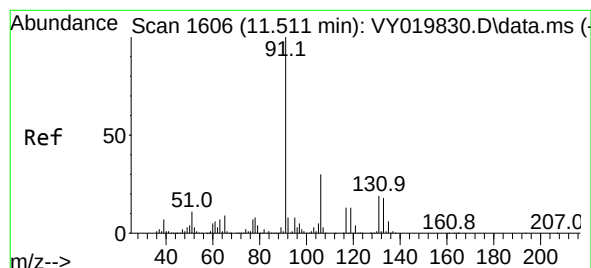
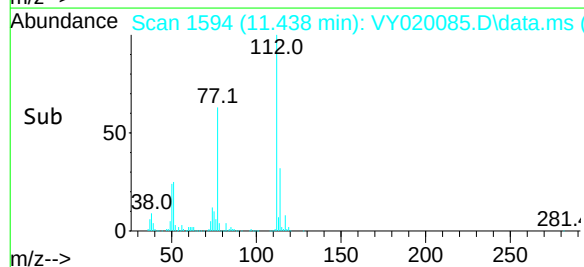
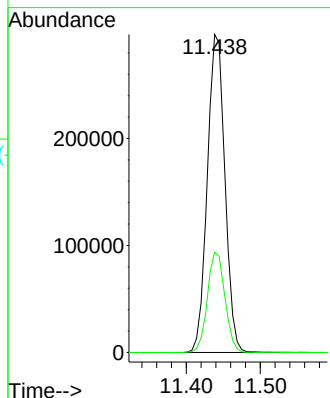
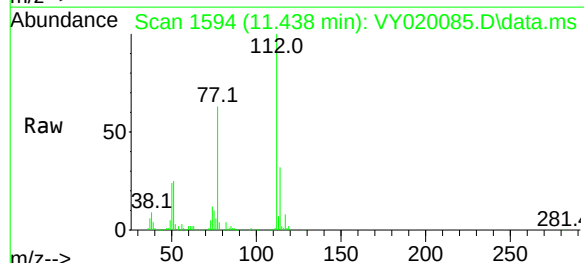
114 31.5 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 55.142 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

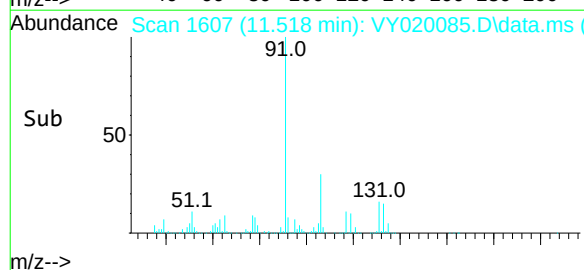
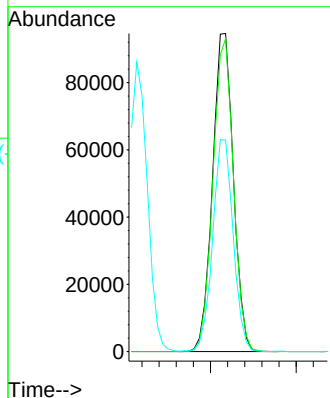
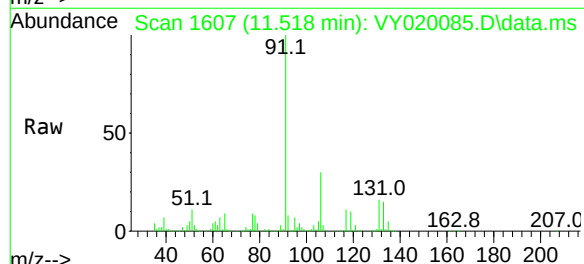
Tgt Ion:131 Resp: 159984

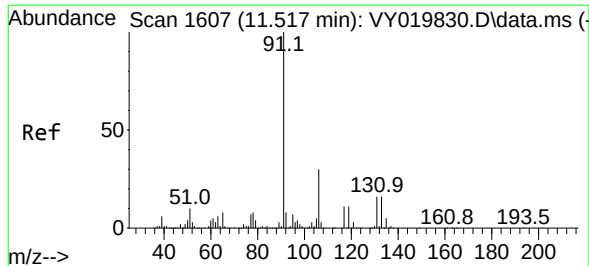
Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.3

119 65.7 34.1 102.2





#67

Ethyl Benzene

Concen: 54.337 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 922370

Ion Ratio Lower Upper

91 100

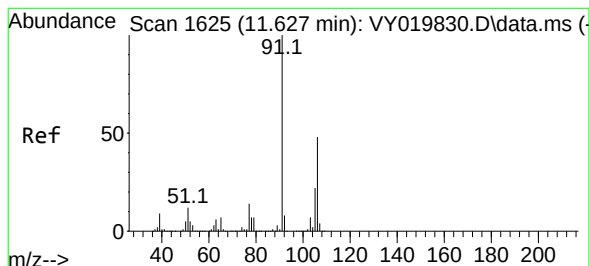
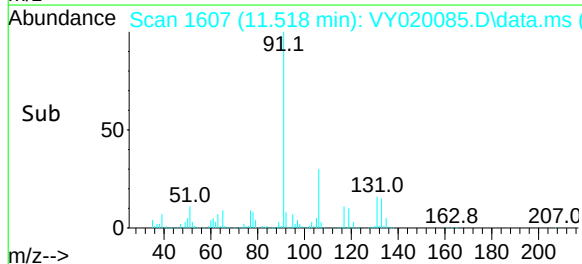
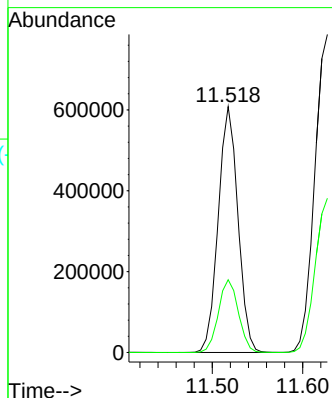
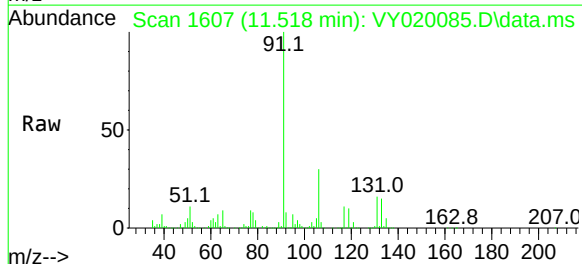
106 29.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#68

m/p-Xylenes

Concen: 110.282 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020085.D

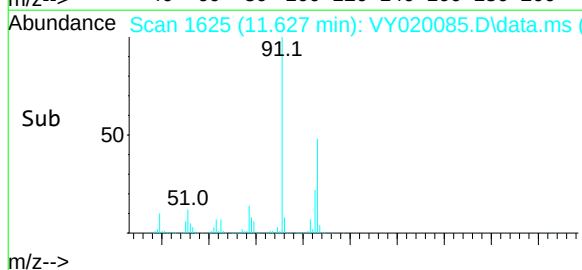
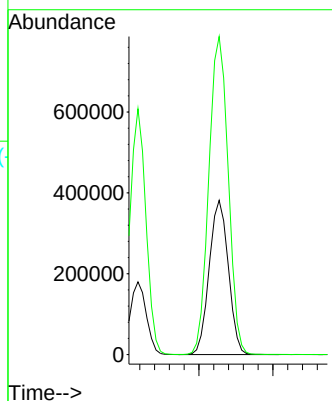
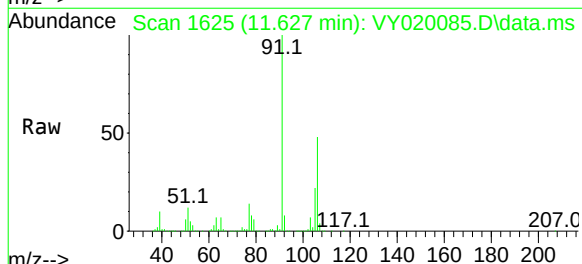
Acq: 31 Oct 2024 11:11

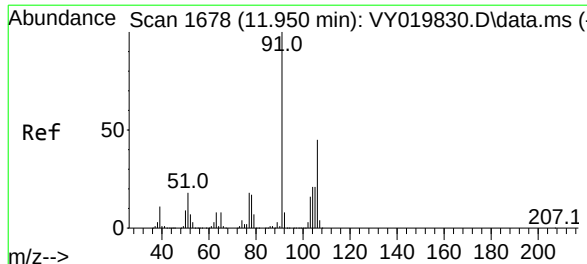
Tgt Ion:106 Resp: 684925

Ion Ratio Lower Upper

106 100

91 208.6 156.0 234.0





#69

o-Xylene

Concen: 54.853 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion:106 Resp: 322535

Ion Ratio Lower Upper

106 100

91 222.1 103.6 310.8

Instrument :

MSVOA_Y

ClientSampleId :

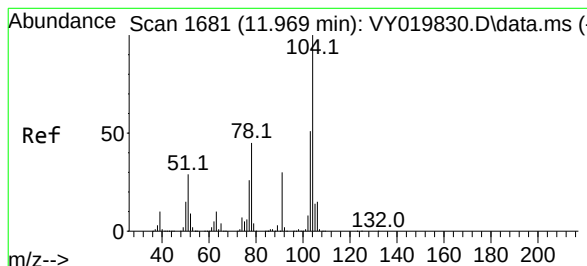
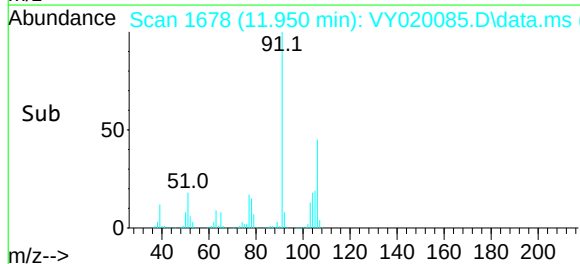
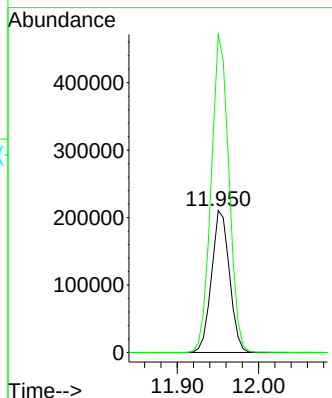
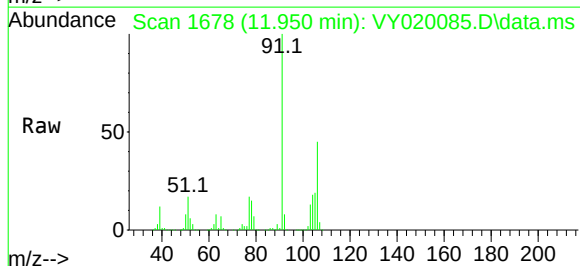
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#70

Styrene

Concen: 56.076 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

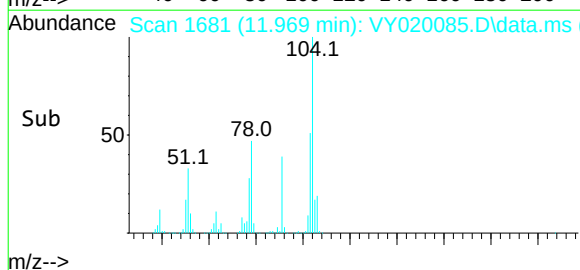
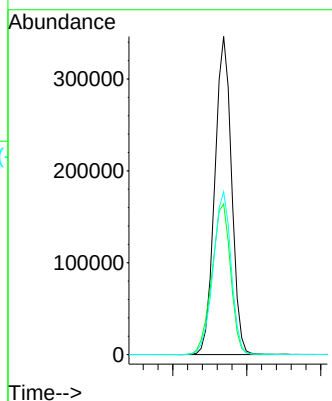
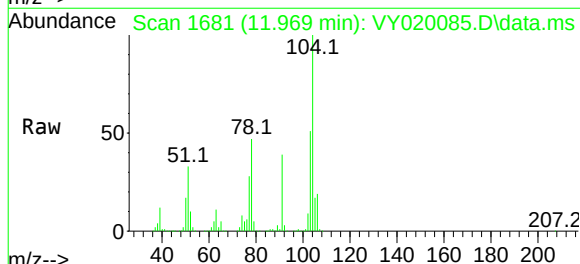
Tgt Ion:104 Resp: 545181

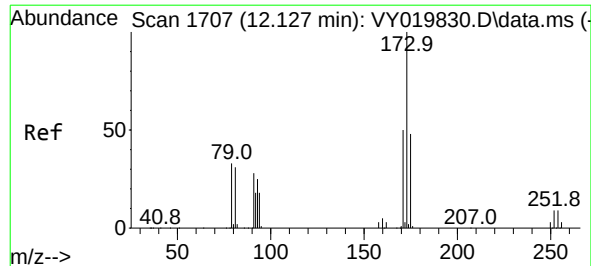
Ion Ratio Lower Upper

104 100

78 52.9 37.0 55.4

103 54.8 44.2 66.2





#71

Bromoform

Concen: 54.735 ug/l

RT: 12.127 min Scan# 1707

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 81468

Ion Ratio Lower Upper

173 100

175 49.8 25.1 75.3

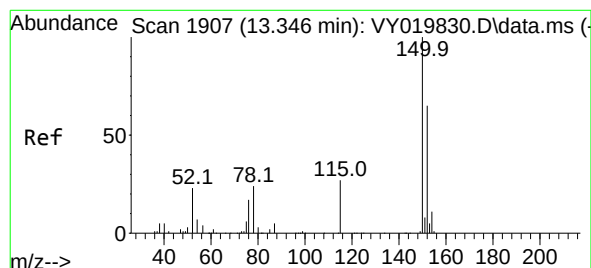
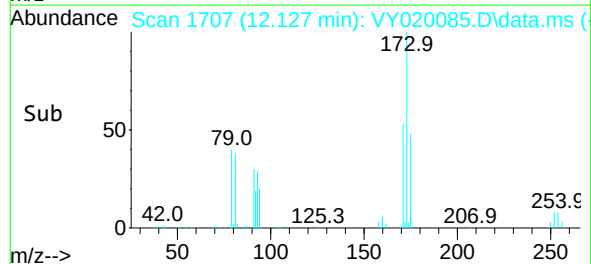
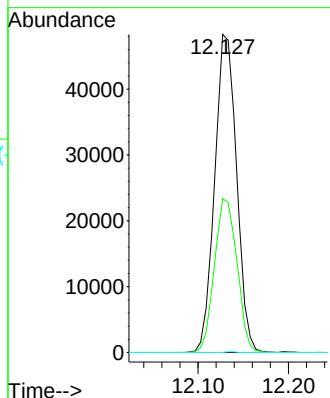
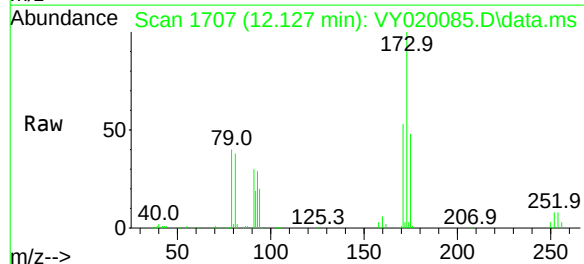
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

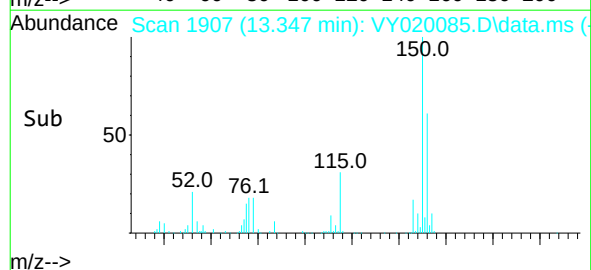
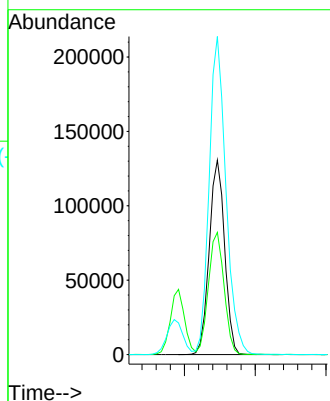
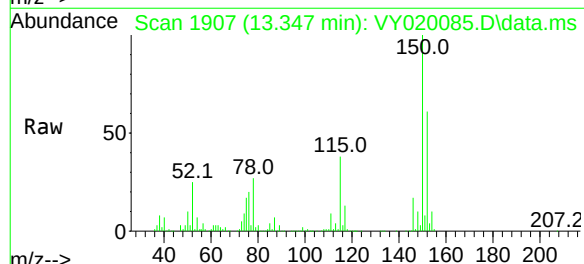
Tgt Ion:152 Resp: 197269

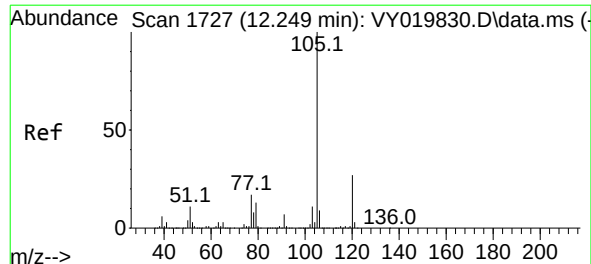
Ion Ratio Lower Upper

152 100

115 64.1 28.2 84.7

150 178.3 0.0 345.6





#73

Isopropylbenzene

Concen: 55.405 ug/l

RT: 12.255 min Scan# 17

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 873117

Ion Ratio Lower Upper

105 100

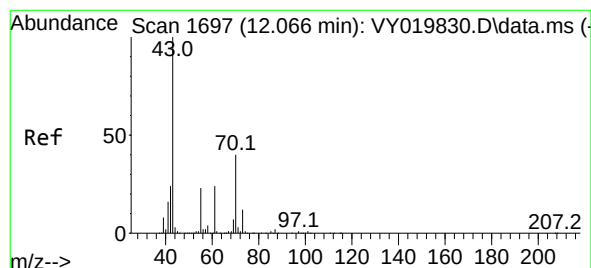
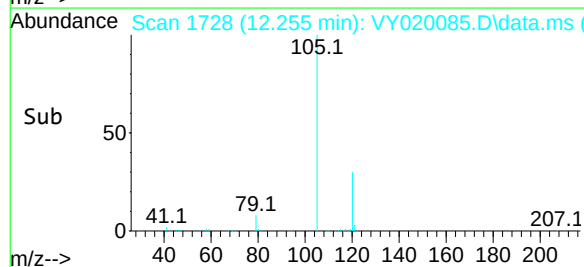
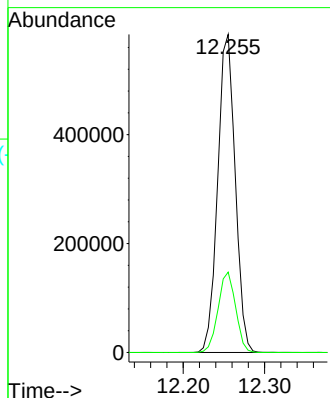
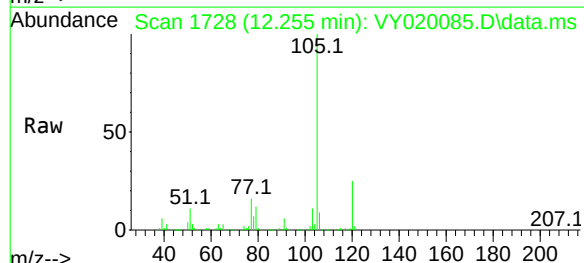
120 25.3 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#74

N-ethyl acetate

Concen: 56.739 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion: 43 Resp: 223511

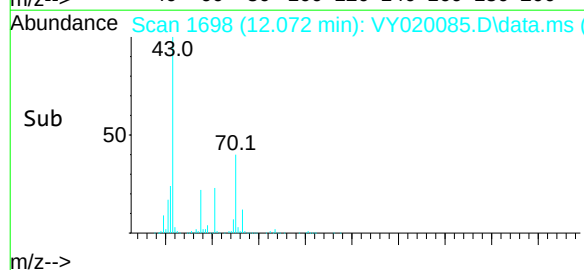
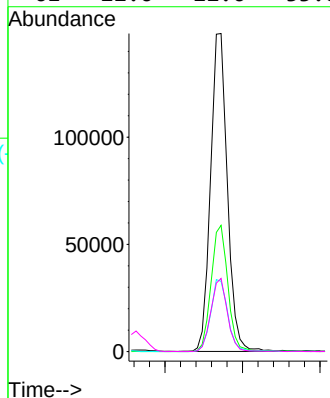
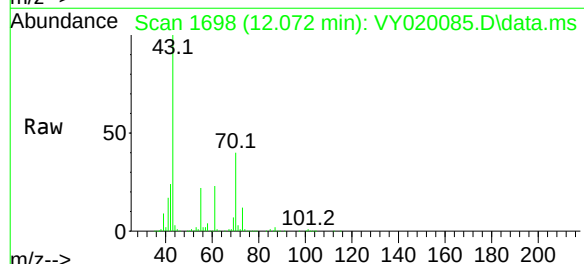
Ion Ratio Lower Upper

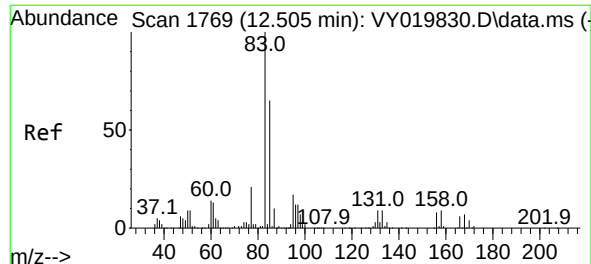
43 100

70 39.4 41.4 62.2#

55 23.1 23.3 34.9#

61 22.6 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.045 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

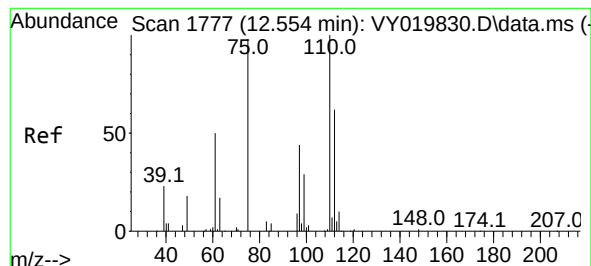
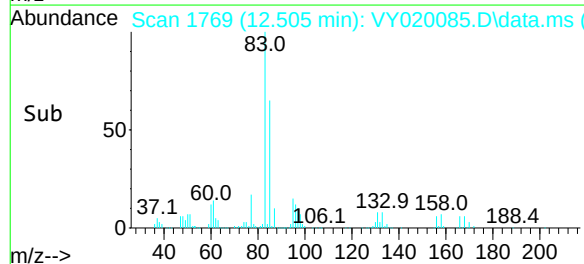
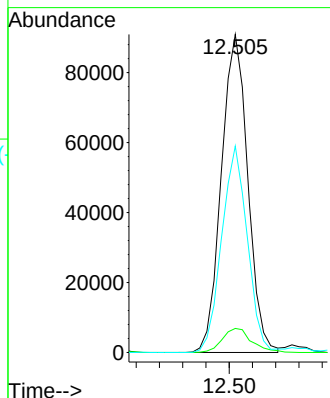
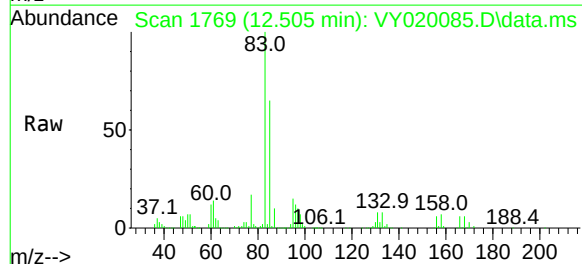
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	143438
Ion	Ratio	Lower	Upper
83	100		
131	8.4	5.0	14.9
85	63.2	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#76

1,2,3-Trichloropropane

Concen: 53.547 ug/l m

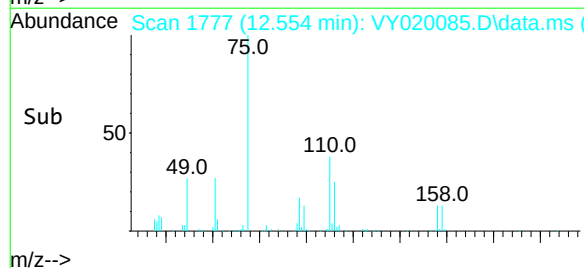
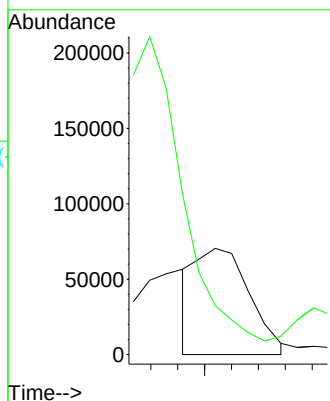
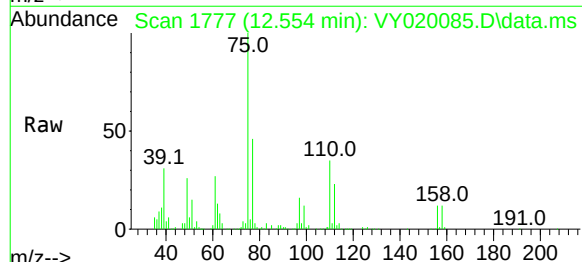
RT: 12.554 min Scan# 1777

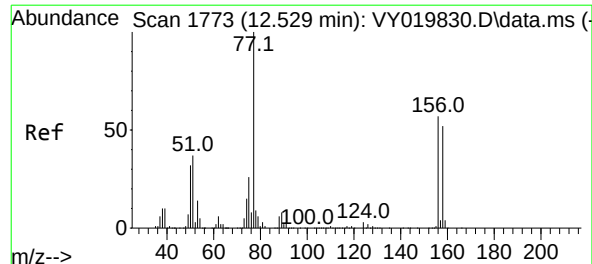
Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion:	75	Resp:	99018
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.937 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

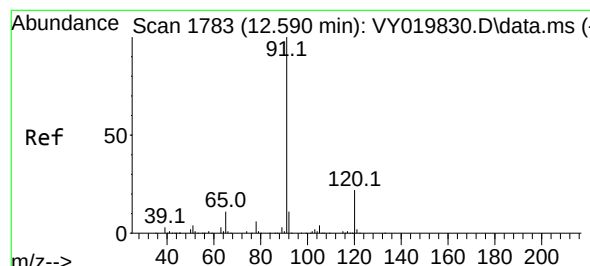
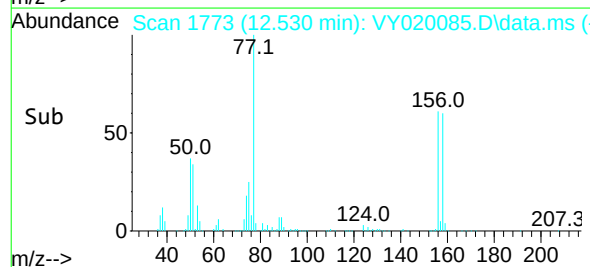
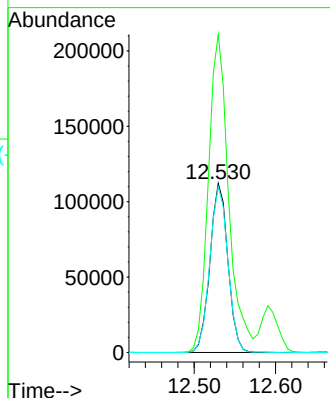
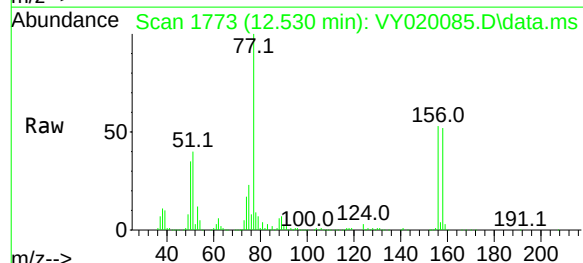
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	171901
Ion Ratio	Lower	Upper	
156	100		
77	211.9	87.1	261.3
158	99.1	48.6	145.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#78

n-propylbenzene

Concen: 55.685 ug/l

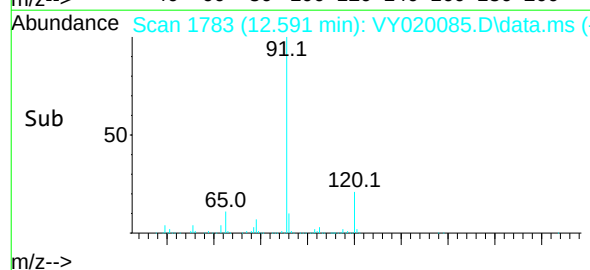
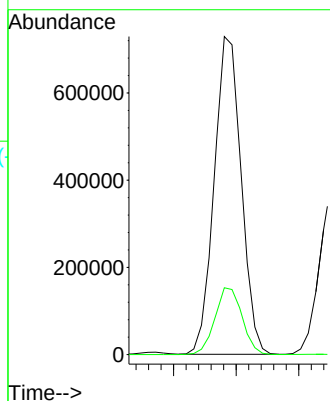
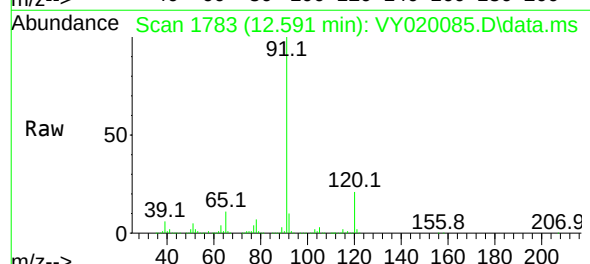
RT: 12.591 min Scan# 1783

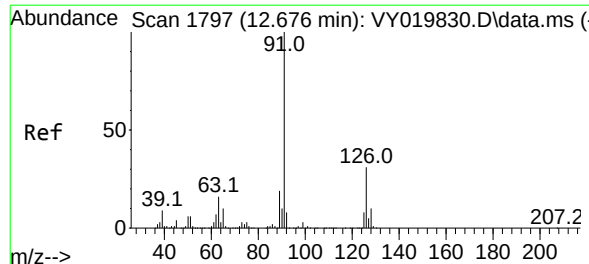
Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion:	91	Resp:	1092148
Ion Ratio	Lower	Upper	
91	100		
120	21.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 55.230 ug/l

RT: 12.676 min Scan# 17

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 601279

Ion Ratio Lower Upper

91 100

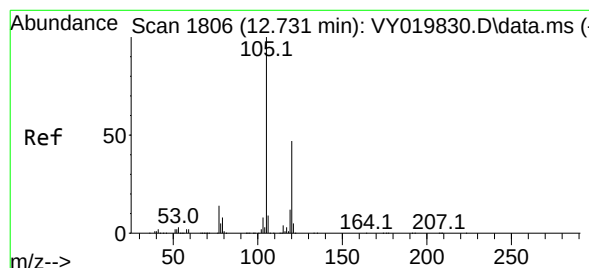
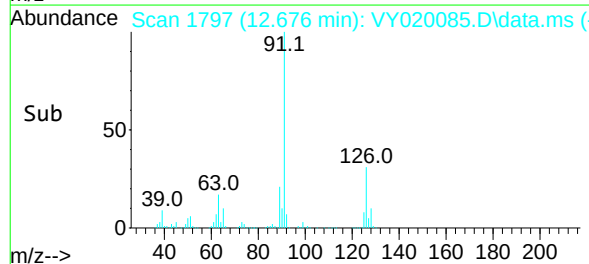
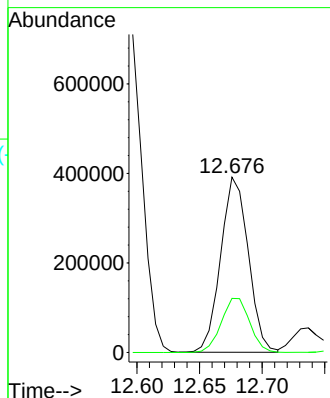
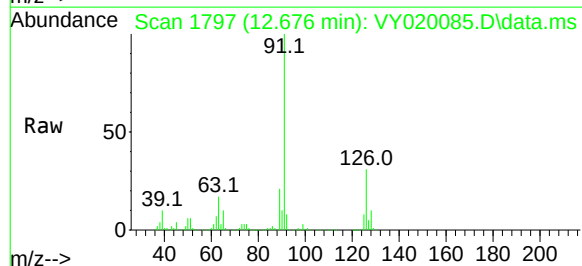
126 31.8 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#80

1,3,5-Trimethylbenzene

Concen: 55.211 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY020085.D

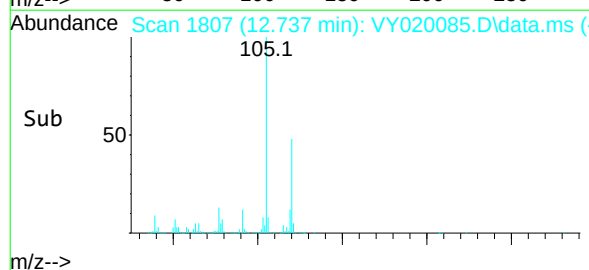
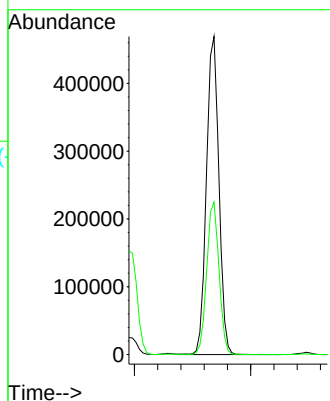
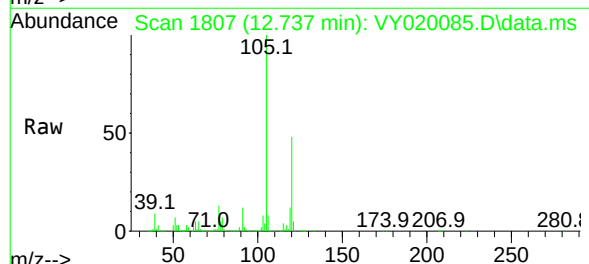
Acq: 31 Oct 2024 11:11

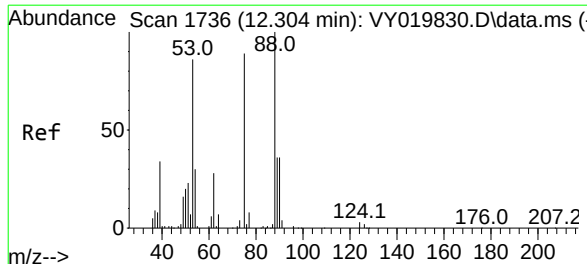
Tgt Ion:105 Resp: 698512

Ion Ratio Lower Upper

105 100

120 47.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.687 ug/l

RT: 12.304 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 46155

Ion Ratio Lower Upper

75 100

53 101.7 66.8 100.2

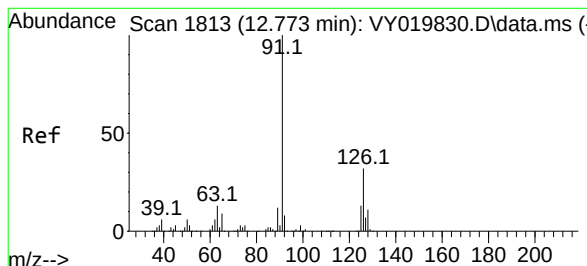
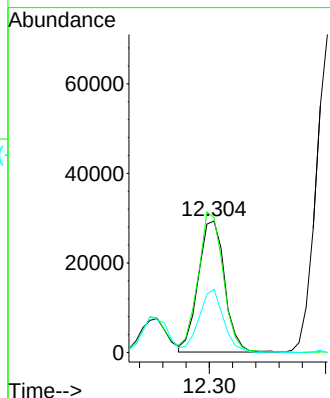
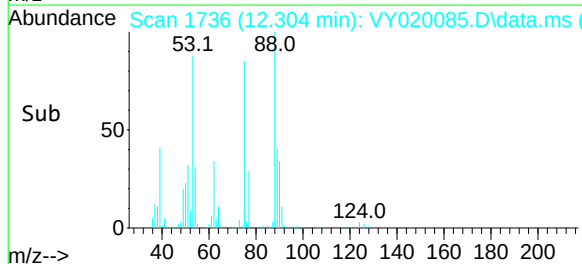
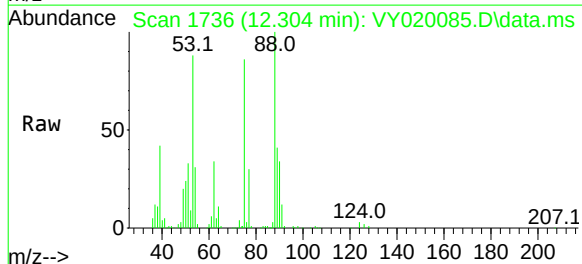
89 44.5 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#82

4-Chlorotoluene

Concen: 55.089 ug/l

RT: 12.773 min Scan# 1813

Delta R.T. -0.006 min

Lab File: VY020085.D

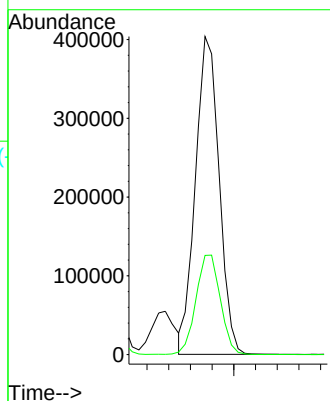
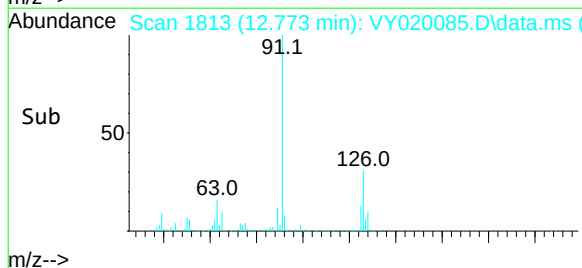
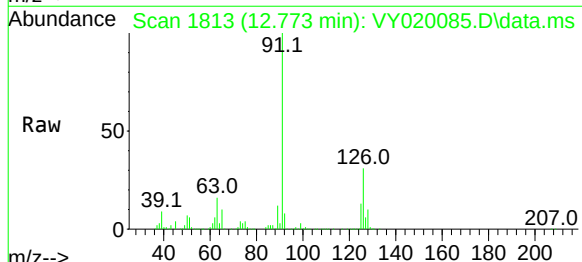
Acq: 31 Oct 2024 11:11

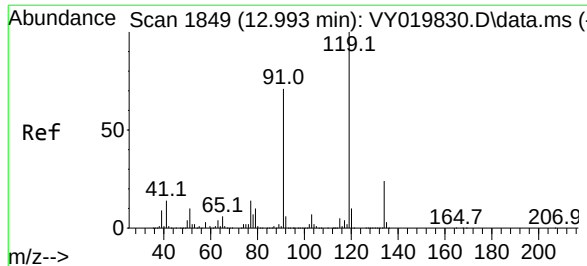
Tgt Ion: 91 Resp: 611504

Ion Ratio Lower Upper

91 100

126 32.3 17.6 52.9





#83

tert-Butylbenzene

Concen: 57.184 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 632629

Ion Ratio Lower Upper

119 100

91 67.1 31.3 93.8

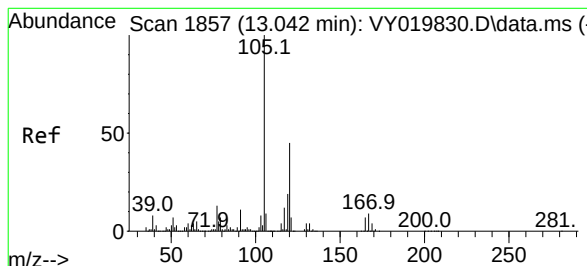
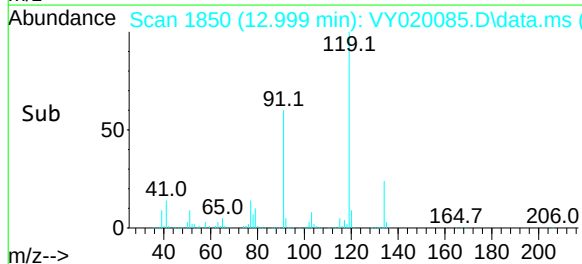
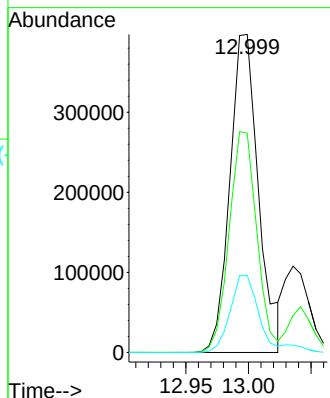
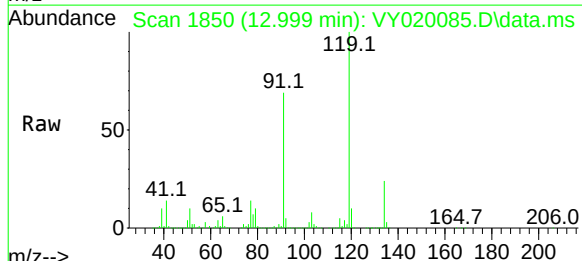
134 25.3 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#84

1,2,4-Trimethylbenzene

Concen: 55.758 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020085.D

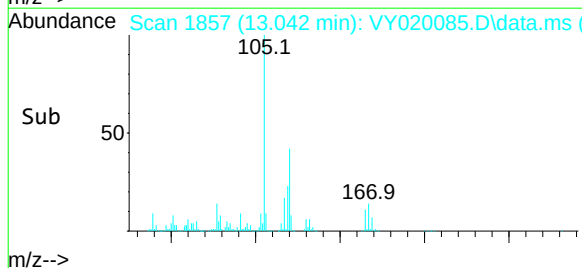
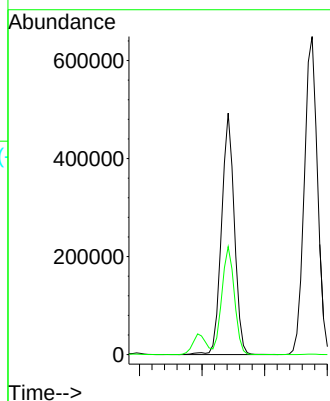
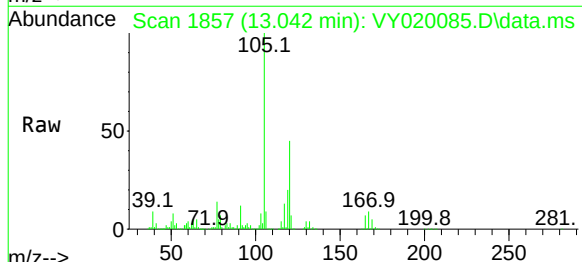
Acq: 31 Oct 2024 11:11

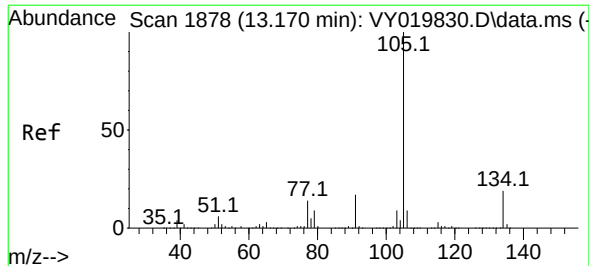
Tgt Ion:105 Resp: 698716

Ion Ratio Lower Upper

105 100

120 43.8 23.2 69.6





#85

sec-Butylbenzene

Concen: 55.874 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 948947

Ion Ratio Lower Upper

105 100

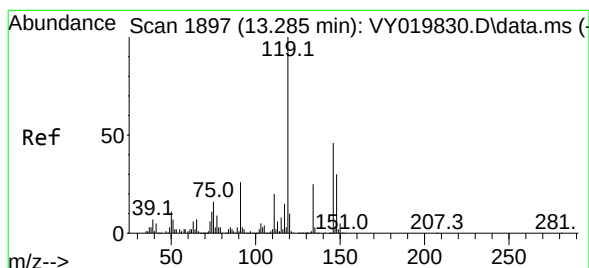
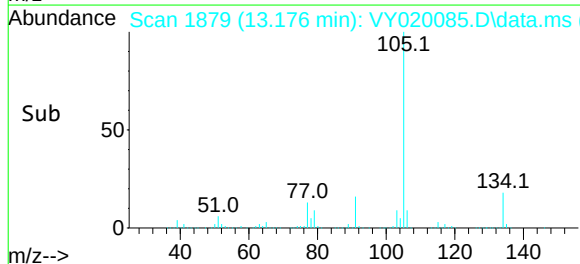
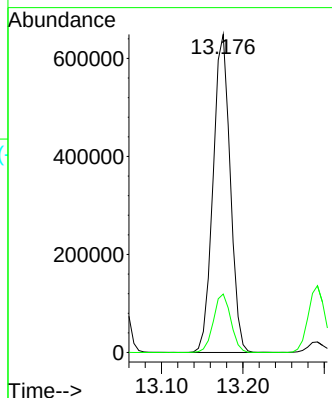
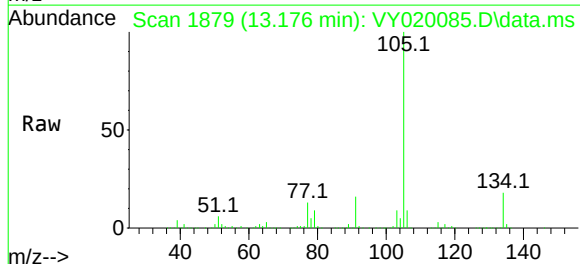
134 18.7 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#86

p-Isopropyltoluene

Concen: 56.213 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

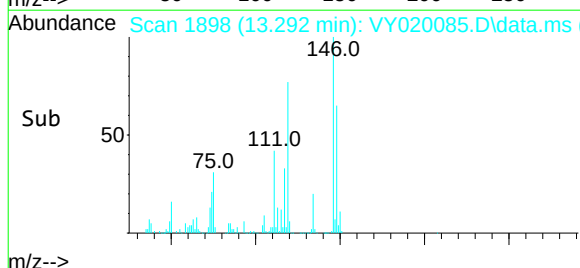
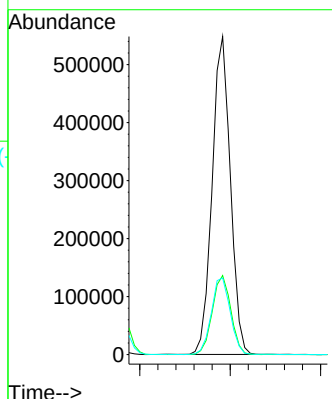
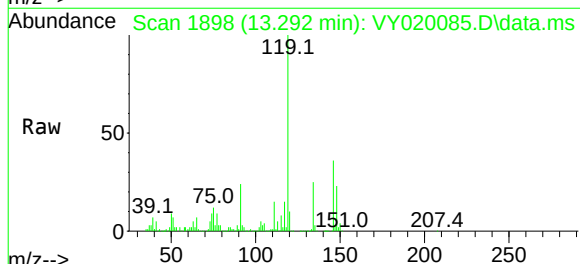
Tgt Ion:119 Resp: 766114

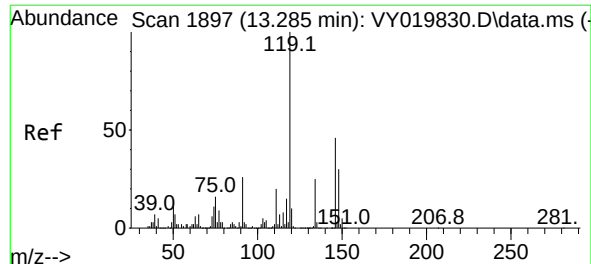
Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.3

91 25.2 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 55.016 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

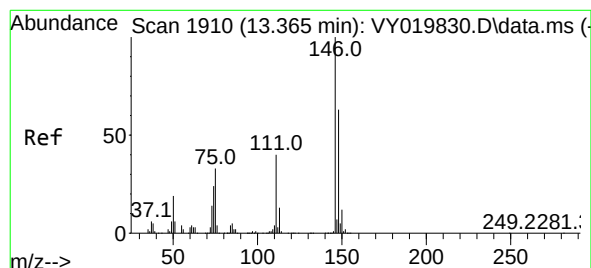
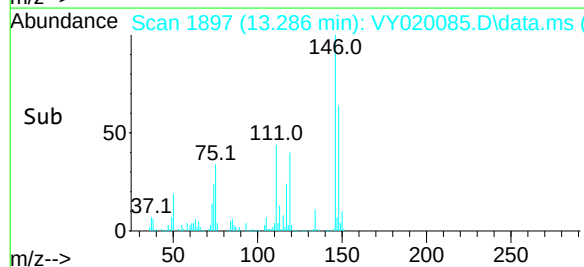
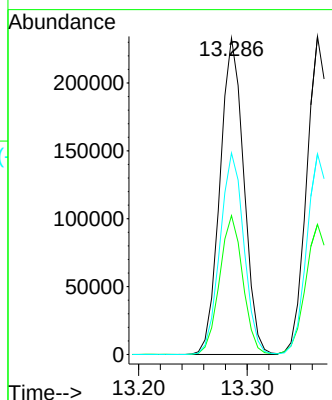
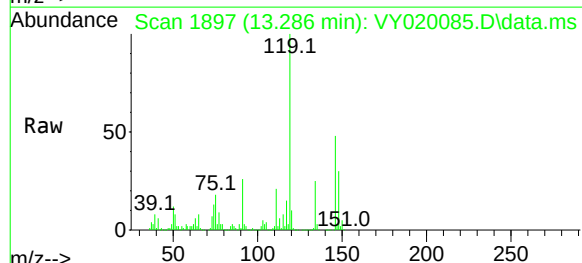
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	356203
Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.0	57.0
148	63.8	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024



#88

1,4-Dichlorobenzene

Concen: 54.581 ug/l

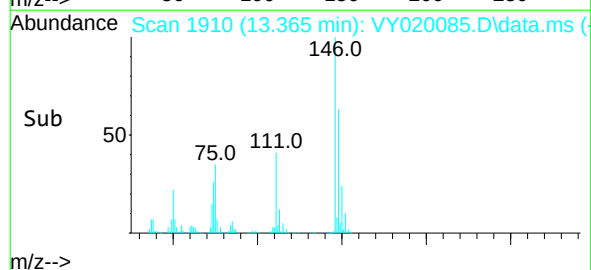
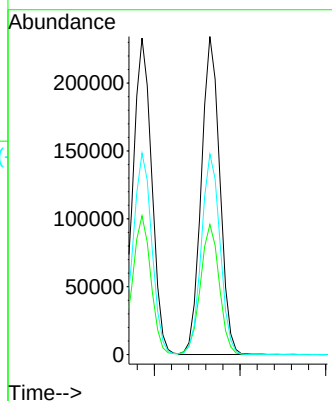
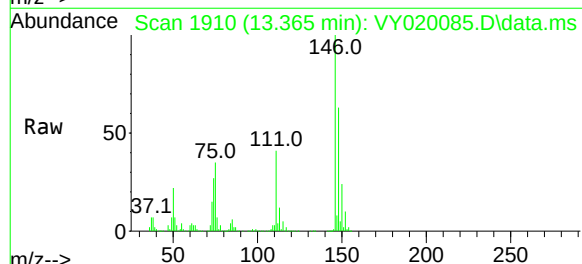
RT: 13.365 min Scan# 1910

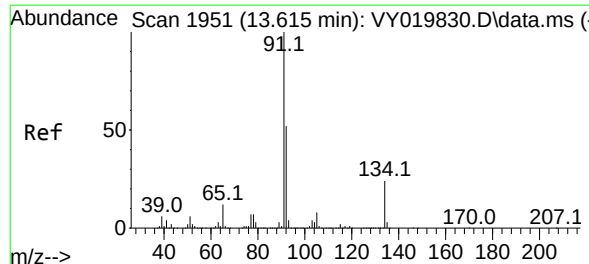
Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion:	146	Resp:	351917
Ion	Ratio	Lower	Upper
146	100		
111	41.6	18.4	55.4
148	63.5	32.4	97.2





#89

n-Butylbenzene

Concen: 56.692 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 774526

Ion Ratio Lower Upper

91 100

92 52.1 26.6 79.7

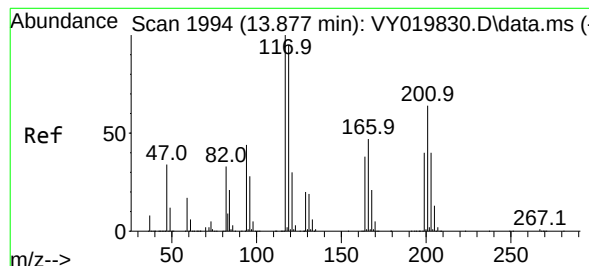
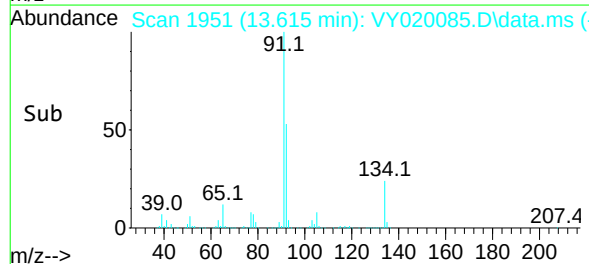
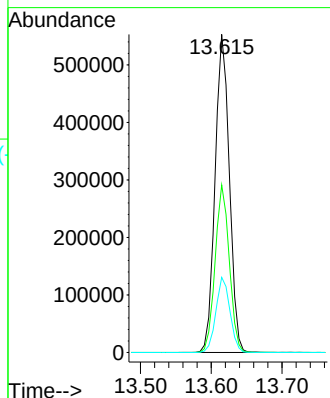
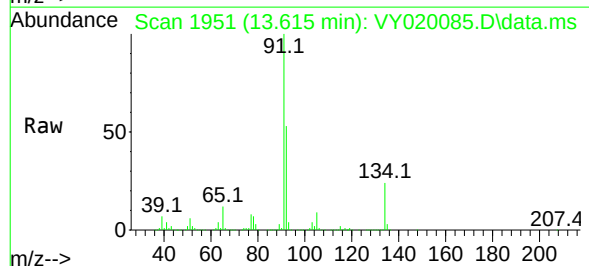
134 23.3 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#90

Hexachloroethane

Concen: 54.002 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY020085.D

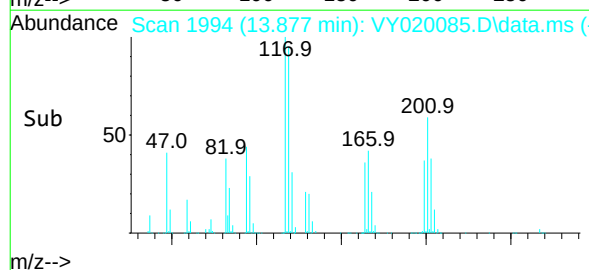
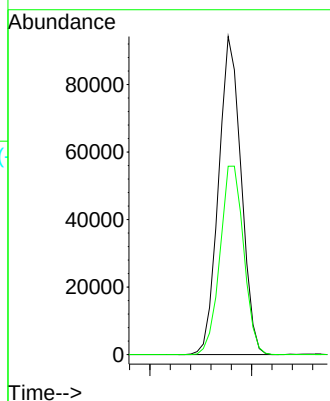
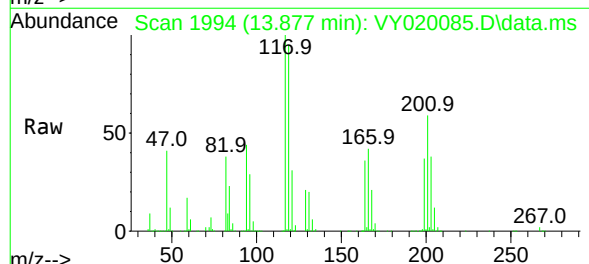
Acq: 31 Oct 2024 11:11

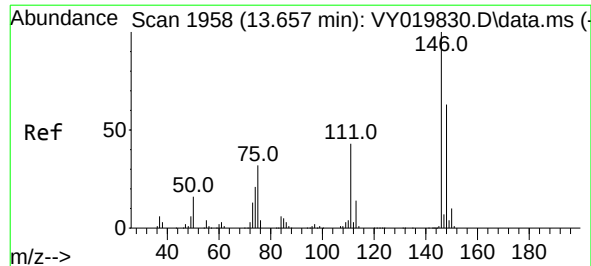
Tgt Ion:117 Resp: 145554

Ion Ratio Lower Upper

117 100

201 62.1 37.4 112.2





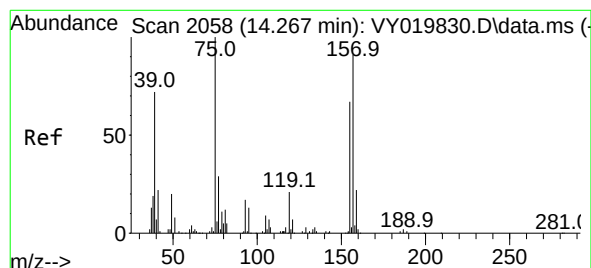
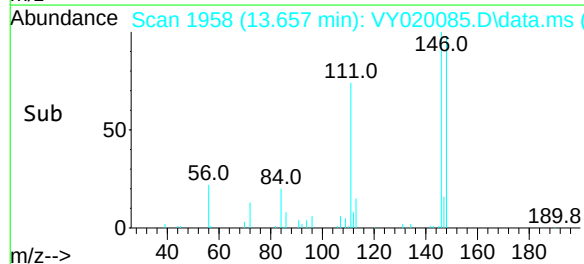
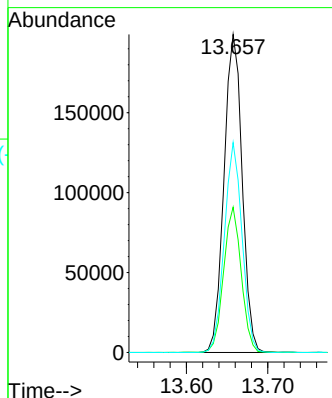
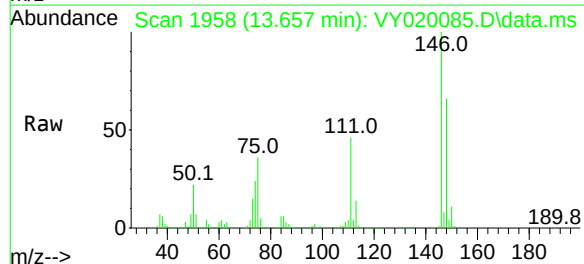
#91
1,2-Dichlorobenzene
Concen: 54.886 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 146 Resp: 308884
Ion Ratio Lower Upper
146 100
111 44.4 19.9 59.7
148 64.2 31.8 95.4

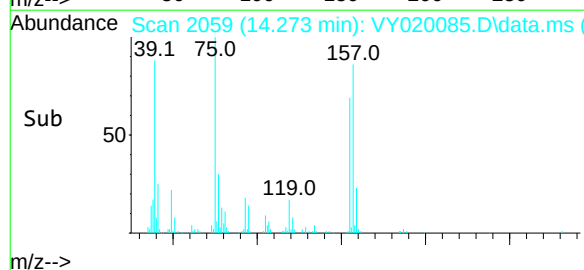
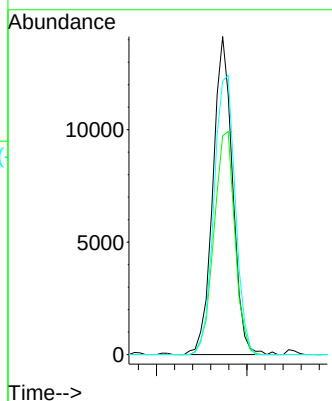
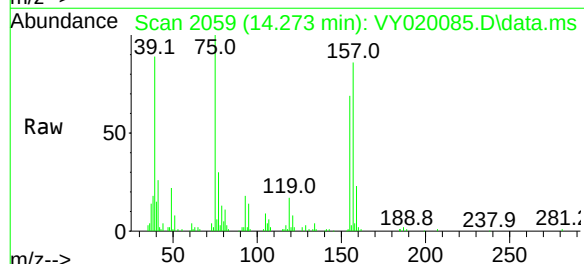
Manual Integrations
APPROVED

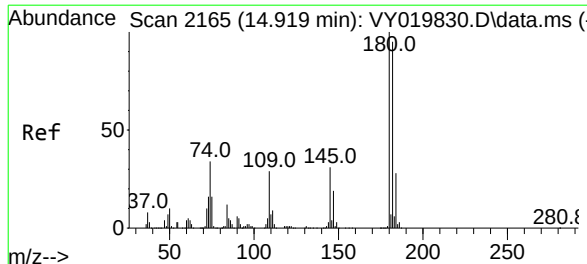
Reviewed By : Semsettin Yesilyurt 12/03/2024
Supervised By : Mahesh Dadoda 12/03/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.178 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY020085.D
Acq: 31 Oct 2024 11:11

Tgt Ion: 75 Resp: 21391
Ion Ratio Lower Upper
75 100
155 74.3 48.6 145.8
157 94.7 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 55.792 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 168670

Ion Ratio Lower Upper

180 100

182 93.3 47.9 143.8

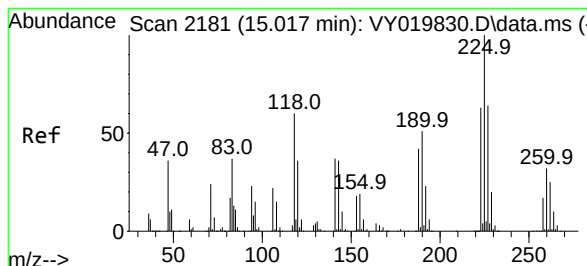
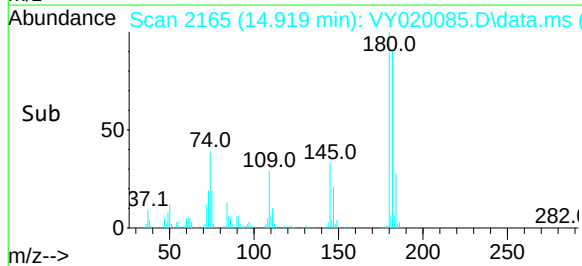
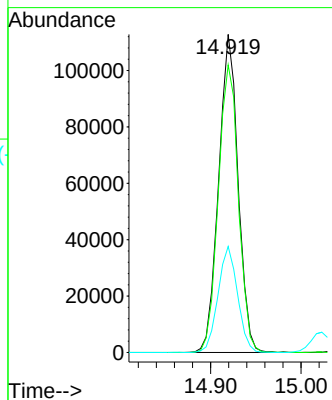
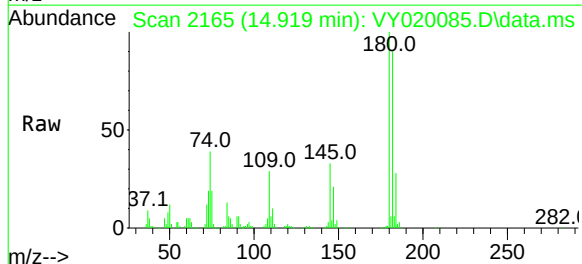
145 33.4 14.2 42.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2024

Supervised By :Mahesh Dadoda 12/03/2024



#94

Hexachlorobutadiene

Concen: 55.941 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

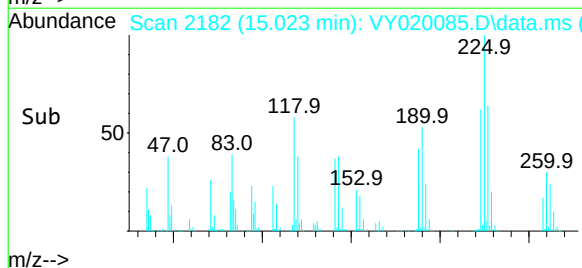
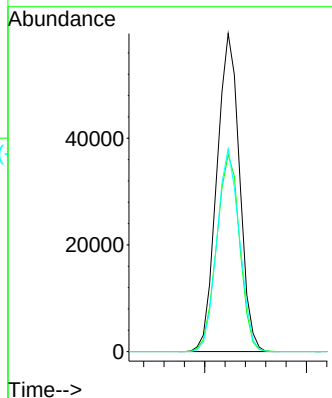
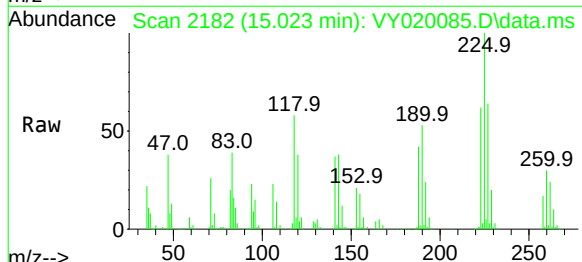
Tgt Ion:225 Resp: 92479

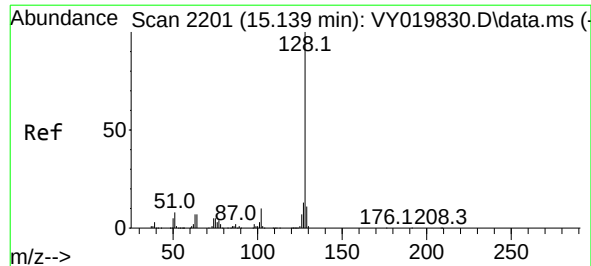
Ion Ratio Lower Upper

225 100

223 62.8 30.4 91.2

227 63.2 31.9 95.9





#95

Naphthalene

Concen: 55.531 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

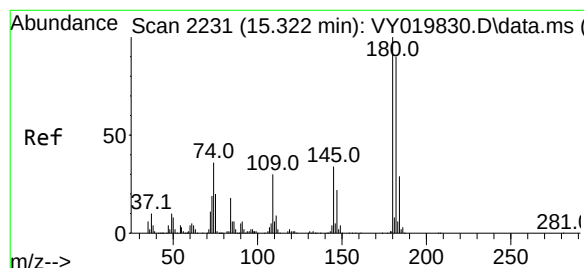
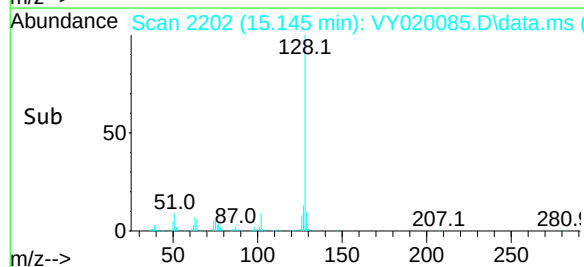
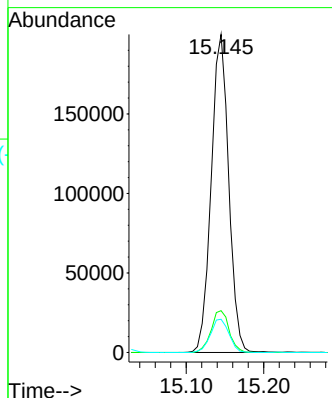
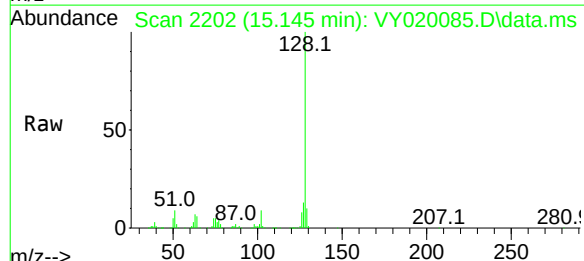
Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	313818
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 12/03/2024
Supervised By :Mahesh Dadoda 12/03/2024

#96

1,2,3-Trichlorobenzene

Concen: 53.838 ug/l

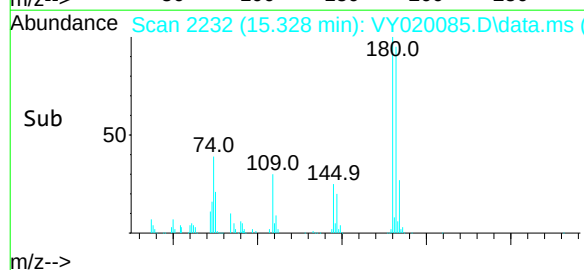
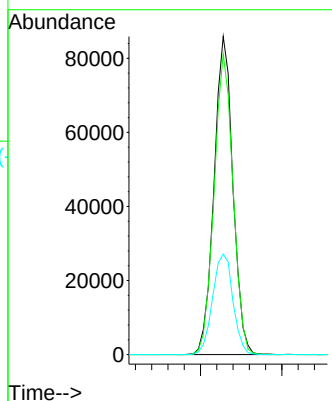
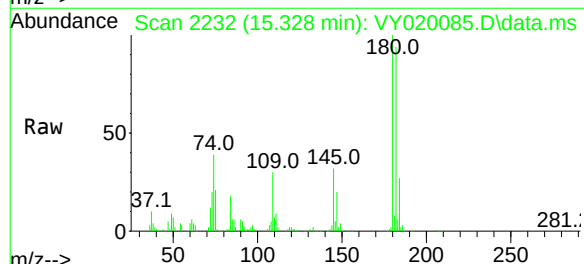
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020085.D

Acq: 31 Oct 2024 11:11

Tgt Ion:	180	Resp:	138163
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.6	142.9
145	34.1	15.4	46.1





QC SAMPLE DATA

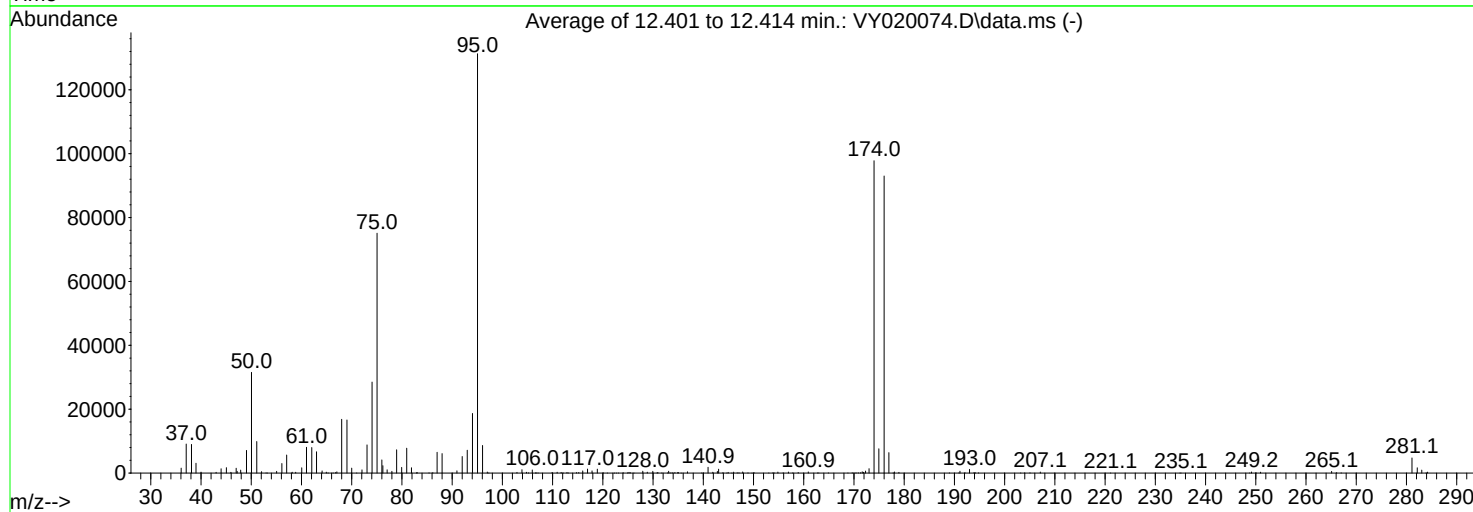
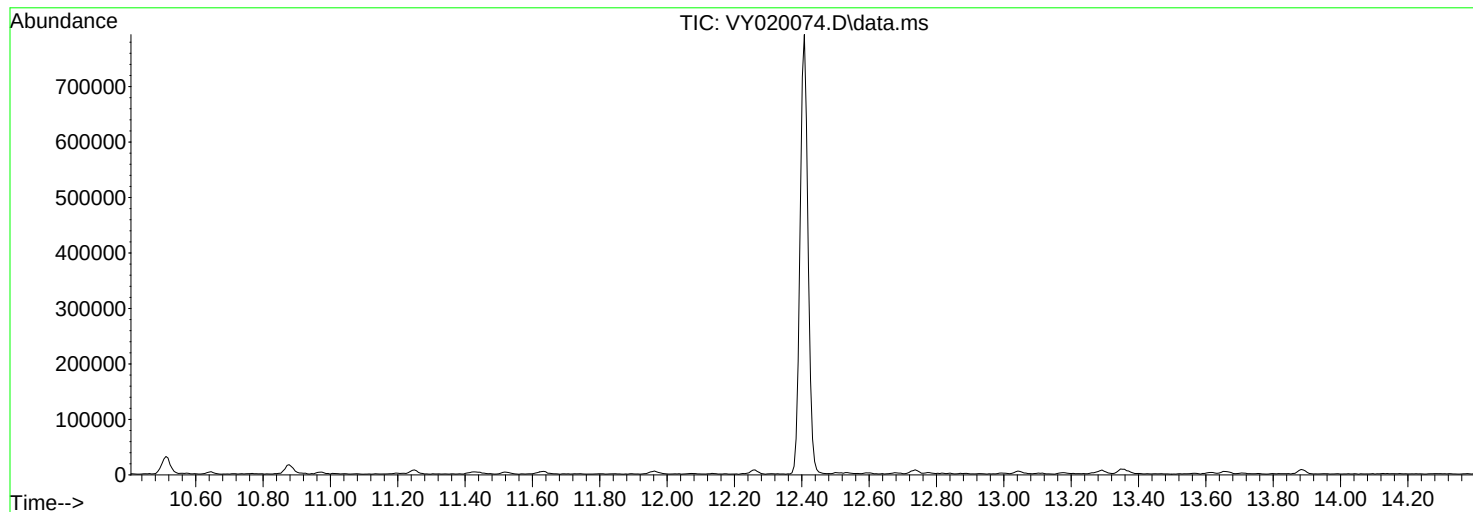
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020074.D
Acq On : 30 Oct 2024 12:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

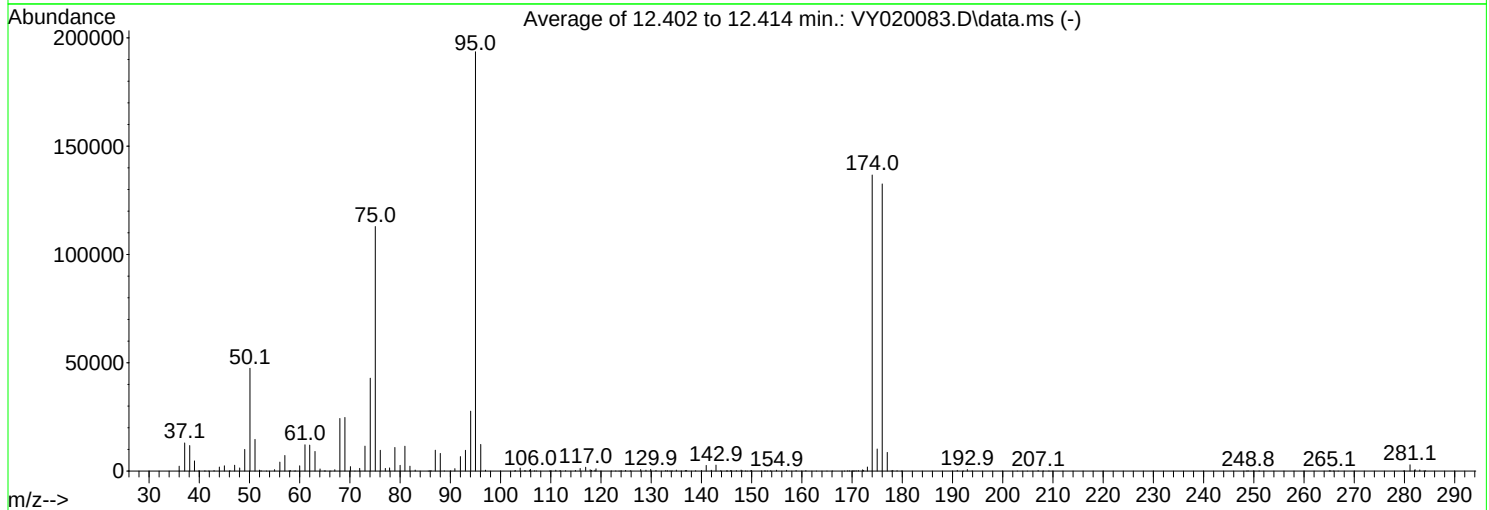
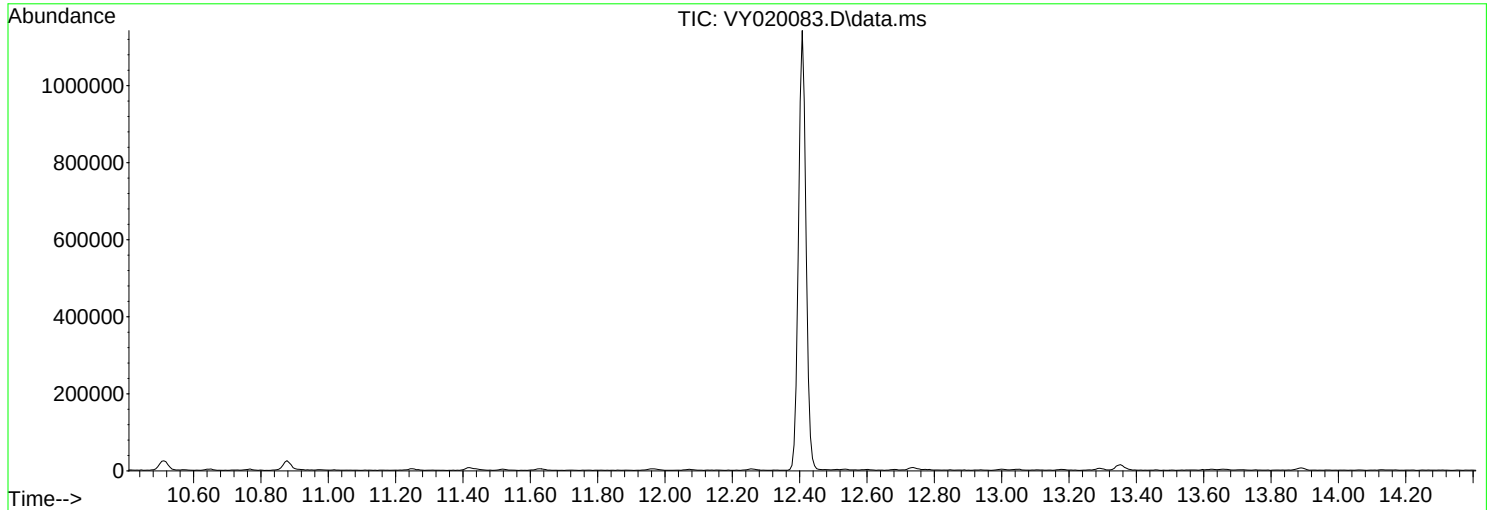
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	31536	PASS
75	95	30	60	57.2	75109	PASS
95	95	100	100	100.0	131296	PASS
96	95	5	9	6.6	8653	PASS
173	174	0.00	2	1.4	1390	PASS
174	95	50	100	74.5	97792	PASS
175	174	5	9	7.8	7615	PASS
176	174	95	101	95.1	93016	PASS
177	176	5	9	6.9	6402	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020083.D
Acq On : 31 Oct 2024 08:43
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.5	47477	PASS
75	95	30	60	58.3	112912	PASS
95	95	100	100	100.0	193600	PASS
96	95	5	9	6.4	12297	PASS
173	174	0.00	2	1.4	1895	PASS
174	95	50	100	70.6	136688	PASS
175	174	5	9	7.5	10198	PASS
176	174	95	101	97.0	132563	PASS
177	176	5	9	6.5	8621	PASS

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBL01		SDG No.:	P4495
Lab Sample ID:	VY1031SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	1.10	U	1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.86	U	0.86	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	5.20	U	5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	15.6	U	15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	0.64	U	0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
107-02-8	Acrolein	5.80	U	5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	2.80	U	2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	1.60	U	1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	1.45	U	1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBL01		SDG No.:	P4495
Lab Sample ID:	VY1031SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	0.73	U	0.73	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
74-95-3	Dibromomethane	0.62	U	0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	0.59	U	0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	12.8	U	12.8	25.0	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.64	U	0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	0.80	U	0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	2.10	U	2.10	15.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBL01		SDG No.:	P4495
Lab Sample ID:	VY1031SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	1.20	U	1.20	5.00	ug/Kg
108-86-1	Bromobenzene	0.65	U	0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	0.64	U	0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.62	U	0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.64	U	0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	0.59	U	0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	1.40	U	1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.58	U	0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	0.63	U	0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	0.81	U	0.81	5.00	ug/Kg
91-20-3	Naphthalene	1.50	U	1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	0.95	U	0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	0.80	U	0.80	5.00	ug/Kg
107-05-1	Allyl chloride	0.57	U	0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.80	U	0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.50	U	1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	0.73	U	0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	0.57	U	0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	42.5	U	42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		50 - 163	98%	SPK: 50

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	VY1031SBL01			SDG No.:	P4495
Lab Sample ID:	VY1031SBL01			Matrix:	SOIL
Analytical Method:	SW8260			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	47.9		54 - 147	96%	SPK: 50
2037-26-5	Toluene-d8	46.6		58 - 134	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		29 - 146	87%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		54 - 147	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266000	7.713			
540-36-3	1,4-Difluorobenzene	488000	8.616			
3114-55-4	Chlorobenzene-d5	402000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.346			

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_Y\Data\VY103124\
Data File : VY020086.D
Acq On : 31 Oct 2024 11:55
Operator : SY/MD
Sample : VY1031SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

Quant Time: Nov 01 03:44:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	266060	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	487691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	402156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	165838	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	163359	49.196	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.400%
35) Dibromofluoromethane	7.640	113	148468	47.882	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.760%
50) Toluene-d8	10.109	98	574901	46.580	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.160%
62) 4-Bromofluorobenzene	12.408	95	174041	43.413	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	86.820%

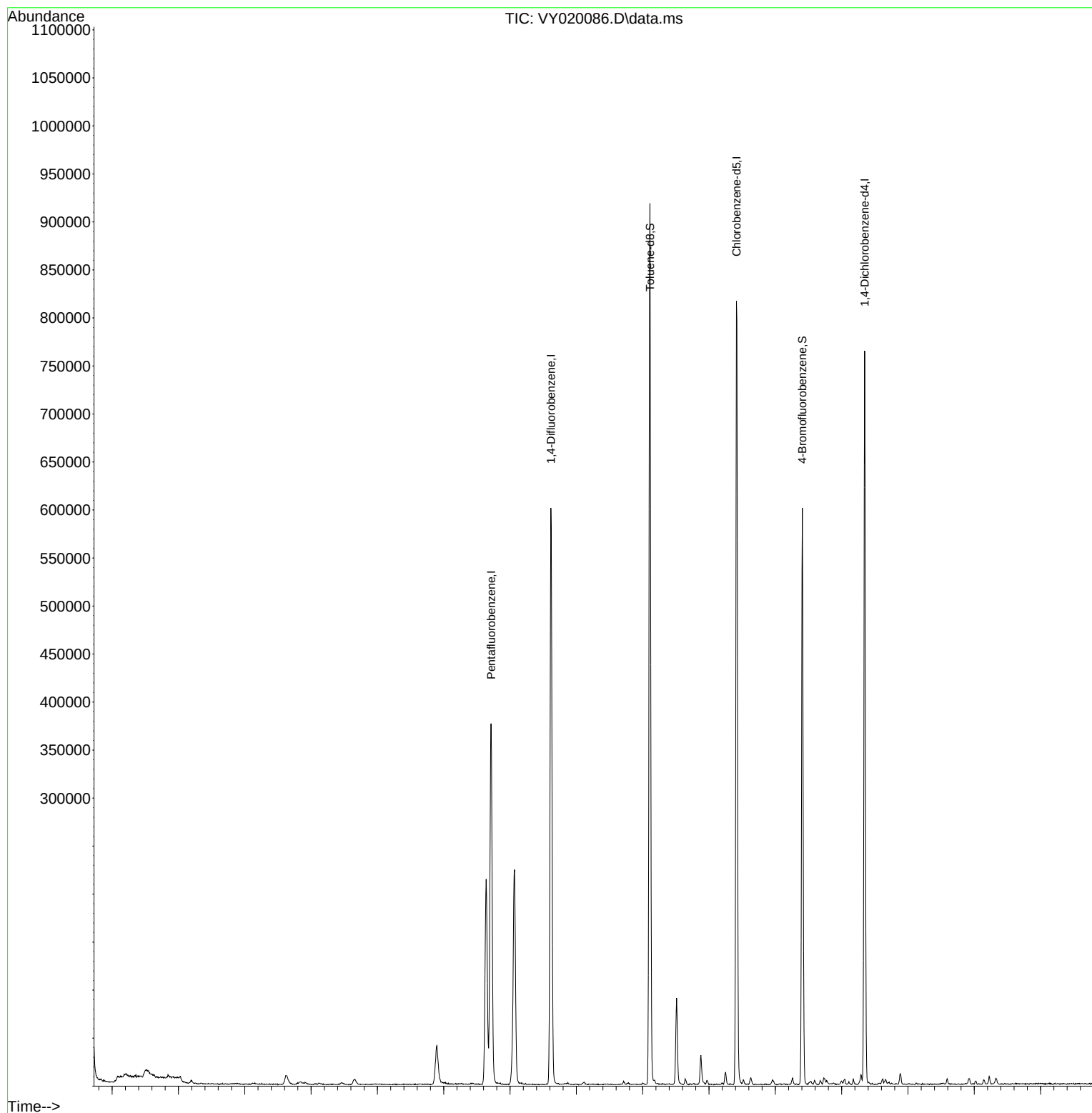
Target Compounds	Qvalue

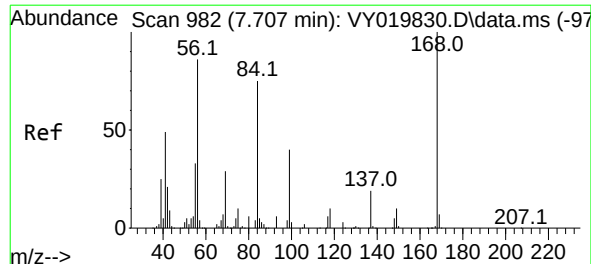
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020086.D
Acq On : 31 Oct 2024 11:55
Operator : SY/MD
Sample : VY1031SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

Quant Time: Nov 01 03:44:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

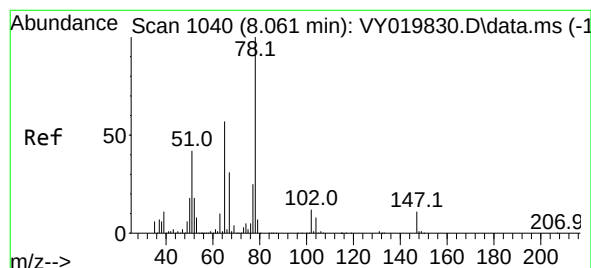
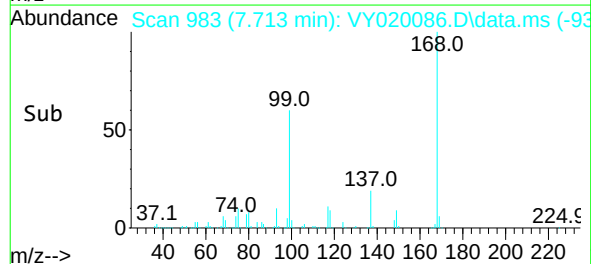
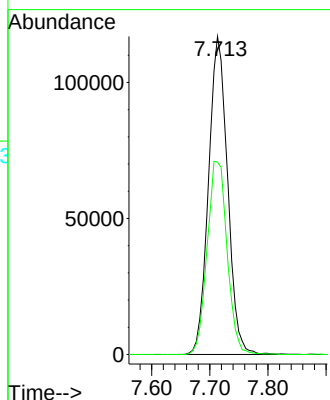
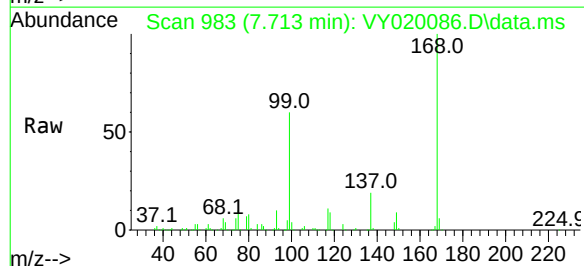




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020086.D
Acq: 31 Oct 2024 11:55

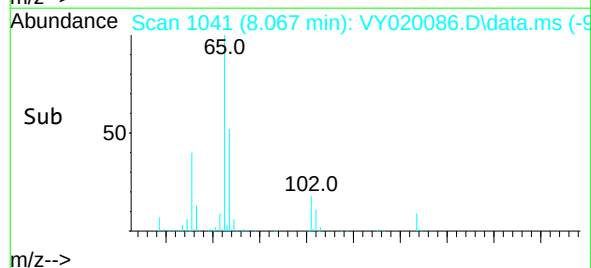
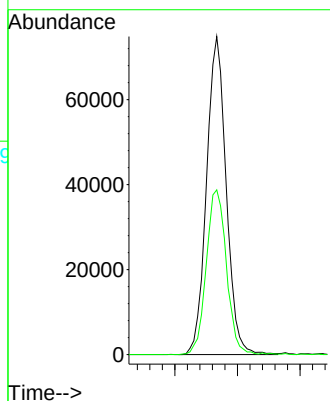
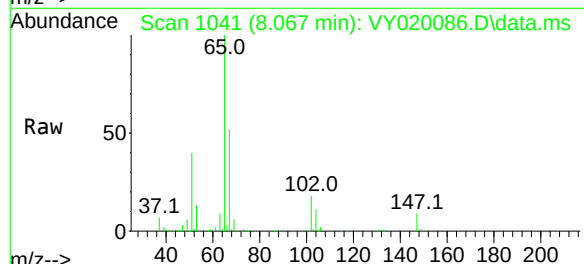
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

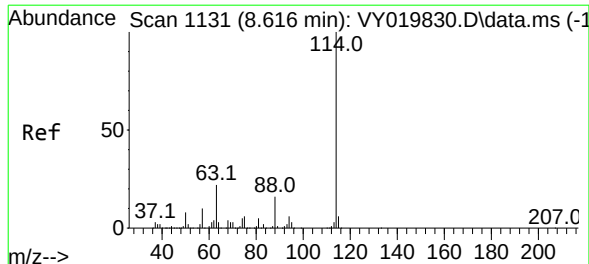
Tgt Ion: 168 Resp: 266060
Ion Ratio Lower Upper
168 100
99 60.5 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 49.196 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020086.D
Acq: 31 Oct 2024 11:55

Tgt Ion: 65 Resp: 163359
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6

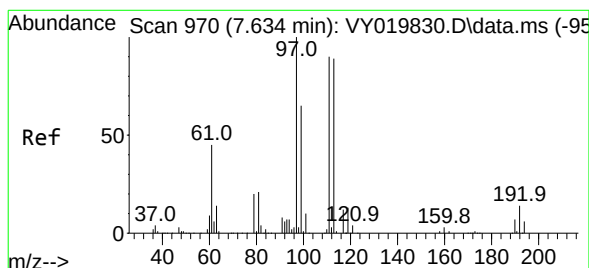
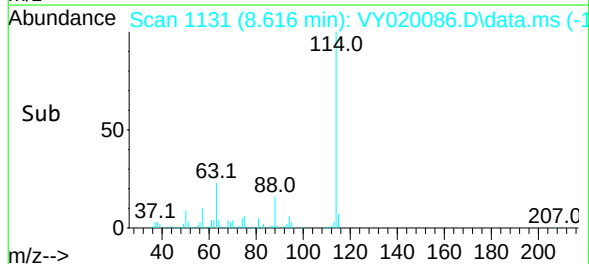
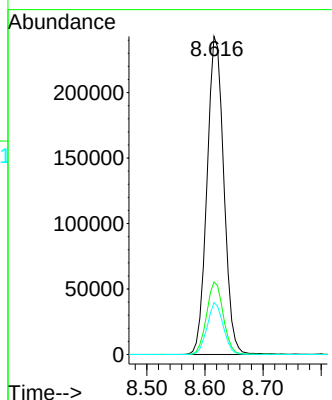
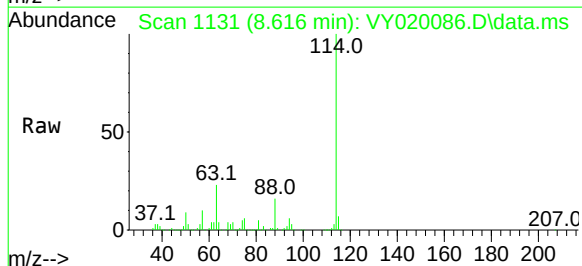




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020086.D
Acq: 31 Oct 2024 11:55

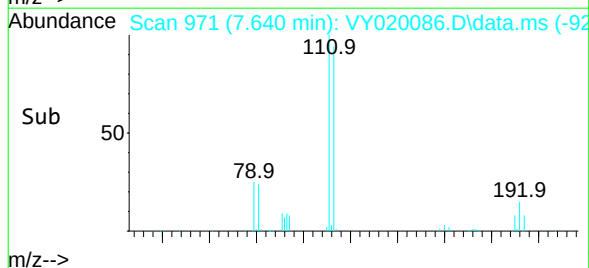
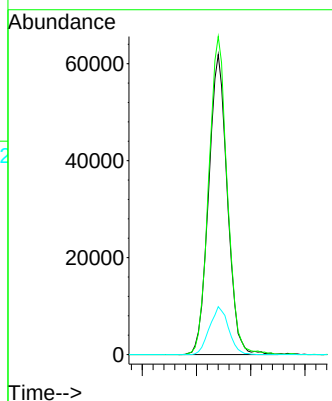
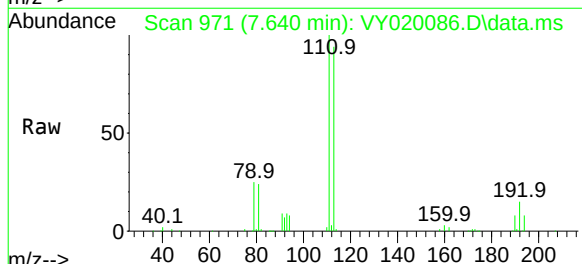
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

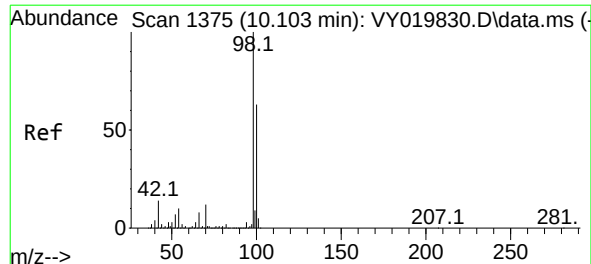
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	35.0
88	16.3	0.0	27.2



#35
Dibromofluoromethane
Concen: 47.882 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020086.D
Acq: 31 Oct 2024 11:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.2	123.4
192	16.2	15.9	23.9





#50

Toluene-d8

Concen: 46.580 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020086.D

Acq: 31 Oct 2024 11:55

Instrument :

MSVOA_Y

ClientSampleId :

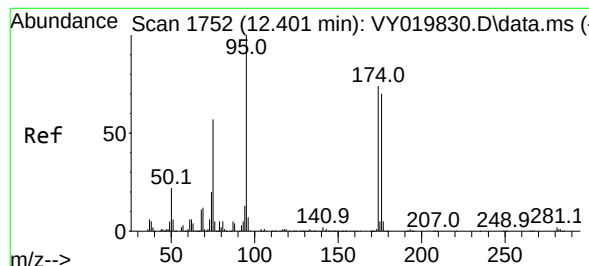
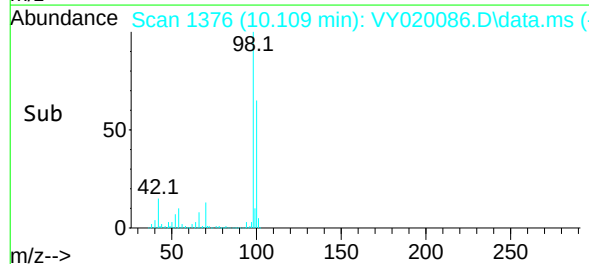
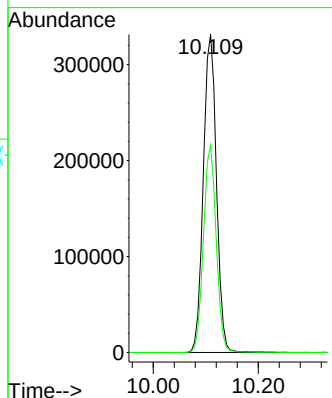
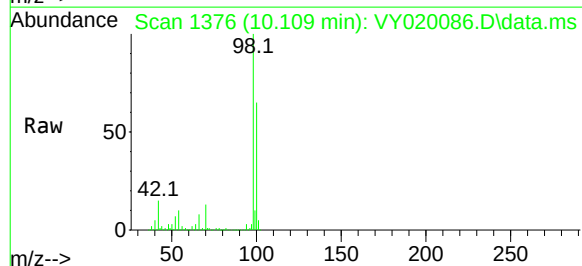
VY1031SBL01

Tgt Ion: 98 Resp: 574901

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 43.413 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020086.D

Acq: 31 Oct 2024 11:55

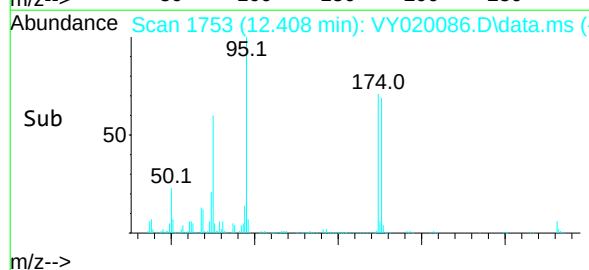
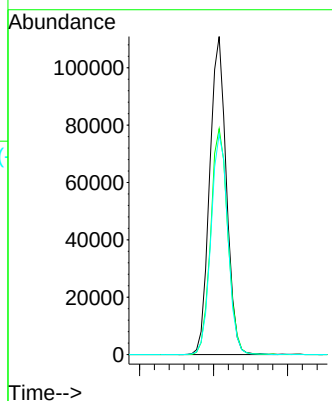
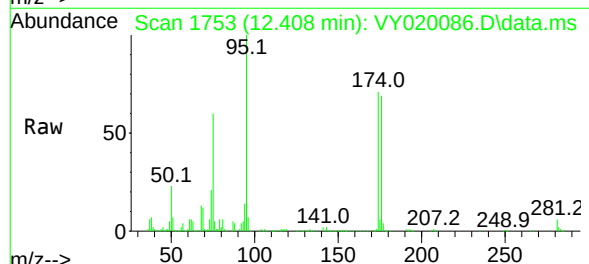
Tgt Ion: 95 Resp: 174041

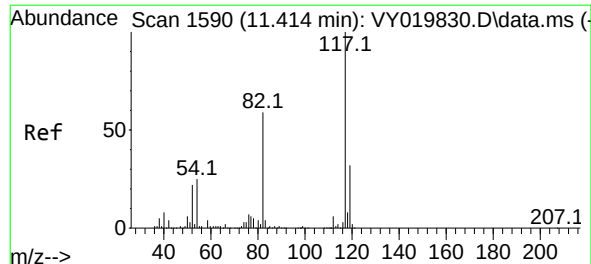
Ion Ratio Lower Upper

95 100

174 72.4 0.0 175.6

176 70.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020086.D

Acq: 31 Oct 2024 11:55

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBL01

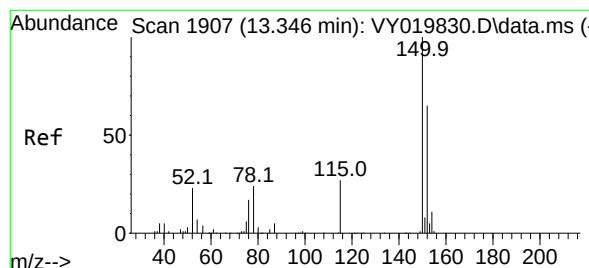
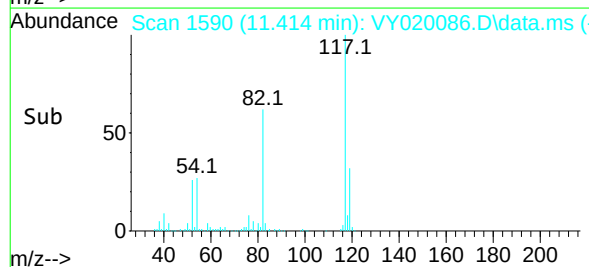
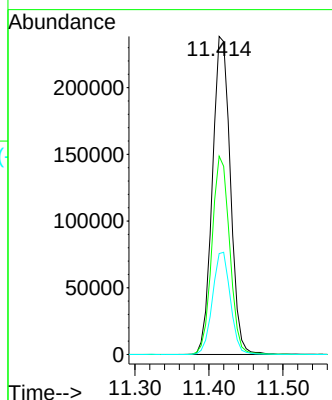
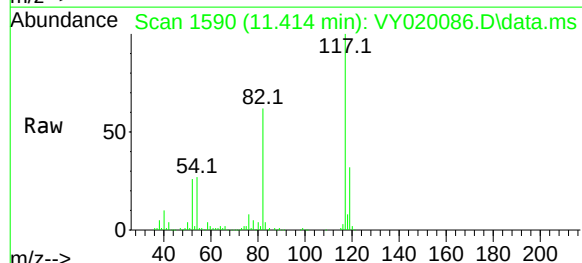
Tgt Ion:117 Resp: 402156

Ion Ratio Lower Upper

117 100

82 62.4 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020086.D

Acq: 31 Oct 2024 11:55

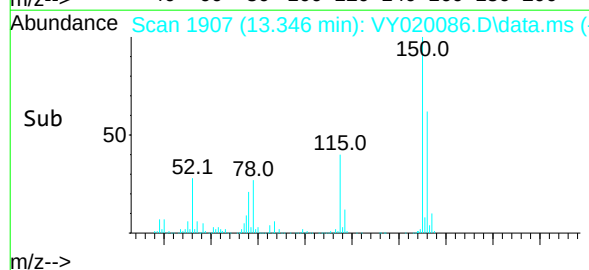
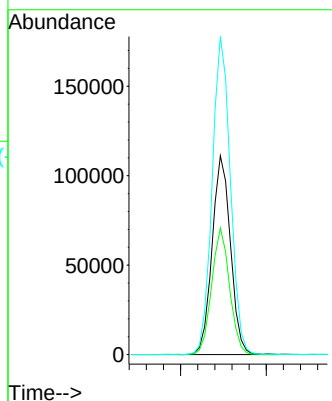
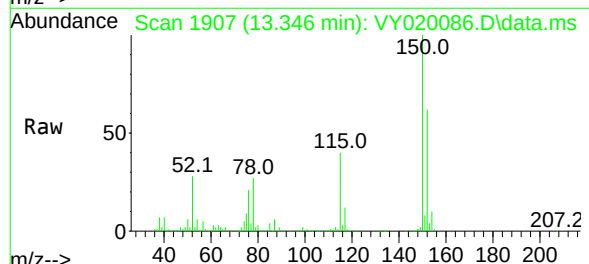
Tgt Ion:152 Resp: 165838

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 158.6 0.0 345.6



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBS01	SDG No.:	P4495
Lab Sample ID:	VY1031SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	22.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.3		0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	19.9		1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	18.9		0.86	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	100		5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	97.2		15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	20.9		0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.4		0.78	5.00	ug/Kg
107-02-8	Acrolein	110		5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	100		5.00	25.0	ug/Kg
67-64-1	Acetone	87.4		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.7		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	100		2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	21.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	94.6		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.4		0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	20.2		1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.8		0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	42.8		1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	19.0		2.40	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBS01	SDG No.:	P4495	
Lab Sample ID:	VY1031SBS01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	21.4		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	20.6		0.73	5.00	ug/Kg
71-43-2	Benzene	21.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.3		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.66	5.00	ug/Kg
74-95-3	Dibromomethane	19.9		0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.3		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.2		4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	19.9		0.74	5.00	ug/Kg
108-88-3	Toluene	21.0		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	20.5		0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	96.2		12.8	25.0	ug/Kg
591-78-6	2-Hexanone	90.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.3		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.3		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	20.7		0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	20.4		0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.2		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.8		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	64.1		2.10	15.0	ug/Kg
95-47-6	o-Xylene	21.3		0.70	5.00	ug/Kg
100-42-5	Styrene	21.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.81	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBS01		SDG No.:	P4495
Lab Sample ID:	VY1031SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	21.3		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	21.6		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	21.4		0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	21.5		0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	21.3		0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21.7		0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	21.8		0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	21.7		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	21.3		1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	21.1		0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	21.1		0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.8		0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	20.8		0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	19.1		0.81	5.00	ug/Kg
91-20-3	Naphthalene	17.6		1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.2		0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	19.2		0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	22.5		0.80	5.00	ug/Kg
107-05-1	Allyl chloride	21.8		0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	18.2		0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	16.4		1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	19.9		0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	21.7		0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	370		42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		50 - 163	106%	SPK: 50

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBS01	SDG No.:	P4495
Lab Sample ID:	VY1031SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	52.7		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		29 - 146	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267000	7.713			
540-36-3	1,4-Difluorobenzene	483000	8.616			
3114-55-4	Chlorobenzene-d5	414000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.346			

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_Y\Data\VY103124\
 Data File : VY020087.D
 Acq On : 31 Oct 2024 12:21
 Operator : SY/MD
 Sample : VY1031SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBS01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 03:44:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	266532	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	483245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	187853	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	176177	52.962	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.920%	
35) Dibromofluoromethane	7.640	113	159075	51.775	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.540%	
50) Toluene-d8	10.109	98	643935	52.653	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.300%	
62) 4-Bromofluorobenzene	12.402	95	207327	52.192	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 104.380%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	52210	21.161	ug/l	97
3) Chloromethane	2.074	50	91942	22.498	ug/l	98
4) Vinyl Chloride	2.214	62	93578	21.329	ug/l	99
5) Bromomethane	2.604	94	63537	21.813	ug/l	99
6) Chloroethane	2.745	64	59505	21.016	ug/l	98
7) Trichlorofluoromethane	3.068	101	110888	20.690	ug/l	98
8) Diethyl Ether	3.464	74	31311	20.946	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.830	101	63030	20.967	ug/l	89
10) Methyl Iodide	4.013	142	65375	22.525	ug/l	91
11) Tert butyl alcohol	4.866	59	23252	97.176	ug/l #	91
12) 1,1-Dichloroethene	3.799	96	61512	21.386	ug/l #	77
13) Acrolein	3.665	56	31409	105.448	ug/l	98
14) Allyl chloride	4.397	41	113308	21.835	ug/l #	88
15) Acrylonitrile	5.067	53	70503	103.613	ug/l	99
16) Acetone	3.879	43	67614	87.403	ug/l #	79
17) Carbon Disulfide	4.116	76	207355	21.663	ug/l	100
18) Methyl Acetate	4.397	43	37505	20.663	ug/l #	88
19) Methyl tert-butyl Ether	5.128	73	150075	20.740	ug/l	97
20) Methylene Chloride	4.629	84	67806	19.512	ug/l #	72
21) trans-1,2-Dichloroethene	5.122	96	68153	21.011	ug/l #	82
22) Diisopropyl ether	6.031	45	233220	21.657	ug/l #	89
23) Vinyl Acetate	5.970	43	623813	102.935	ug/l #	88
24) 1,1-Dichloroethane	5.927	63	136019	21.814	ug/l	98
25) 2-Butanone	6.896	43	99230	94.628	ug/l #	85
26) 2,2-Dichloropropane	6.896	77	104867	20.213	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	81286	21.800	ug/l	84
28) Bromochloromethane	7.250	49	55532	19.019	ug/l #	71
29) Tetrahydrofuran	7.268	42	61614	101.812	ug/l #	79
30) Chloroform	7.427	83	132399	21.397	ug/l	95
31) Cyclohexane	7.707	56	123816	20.511	ug/l	88
32) 1,1,1-Trichloroethane	7.616	97	115634	21.405	ug/l	95
36) 1,1-Dichloropropene	7.841	75	97785	20.603	ug/l	96
37) Ethyl Acetate	6.994	43	45105	19.933	ug/l #	94
38) Carbon Tetrachloride	7.823	117	97425	20.413	ug/l	99
39) Methylcyclohexane	9.109	83	118362	19.649	ug/l #	83
40) Benzene	8.085	78	291287	21.026	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020087.D
 Acq On : 31 Oct 2024 12:21
 Operator : SY/MD
 Sample : VY1031SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 03:44:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	18617	16.424	ug/l	92
42) 1,2-Dichloroethane	8.158	62	81676	21.299	ug/l	93
43) Isopropyl Acetate	8.201	43	82095	18.866	ug/l #	78
44) Trichloroethene	8.866	130	67071	20.889	ug/l	88
45) 1,2-Dichloropropane	9.146	63	70142	21.162	ug/l	98
46) Dibromomethane	9.231	93	35729	19.894	ug/l	90
47) Bromodichloromethane	9.426	83	100056	21.267	ug/l	99
48) Methyl methacrylate	9.225	41	40177	19.934	ug/l #	81
49) 1,4-Dioxane	9.225	88	6750	365.063	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	213487	95.216	ug/l	88
52) Toluene	10.170	92	179306	20.997	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	81863	19.704	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	103464	20.864	ug/l #	86
55) 1,1,2-Trichloroethane	10.573	97	46938	21.020	ug/l	97
56) Ethyl methacrylate	10.438	69	63717	19.892	ug/l #	74
57) 1,3-Dichloropropane	10.713	76	83765	20.484	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	151917	96.170	ug/l	93
59) 2-Hexanone	10.762	43	145785	90.694	ug/l	86
60) Dibromochloromethane	10.908	129	57763	20.293	ug/l	98
61) 1,2-Dibromoethane	11.012	107	42046	20.267	ug/l	98
64) Tetrachloroethene	10.646	164	55983	20.460	ug/l	93
65) Chlorobenzene	11.444	112	187230	21.204	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	58406	20.703	ug/l	99
67) Ethyl Benzene	11.518	91	349618	21.181	ug/l	99
68) m/p-Xylenes	11.627	106	258610	42.824	ug/l	92
69) o-Xylene	11.950	106	122003	21.339	ug/l	94
70) Styrene	11.969	104	202016	21.370	ug/l	95
71) Bromoform	12.127	173	28391	19.617	ug/l #	96
73) Isopropylbenzene	12.255	105	319480	21.289	ug/l	98
74) N-amyl acetate	12.072	43	72161	19.237	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	54431	20.740	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	37979m	21.568	ug/l	
77) Bromobenzene	12.530	156	64874	21.376	ug/l	84
78) n-propylbenzene	12.597	91	401852	21.516	ug/l	96
79) 2-Chlorotoluene	12.676	91	220472	21.266	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	261720	21.723	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	14891	18.189	ug/l #	84
82) 4-Chlorotoluene	12.779	91	230166	21.775	ug/l	94
83) tert-Butylbenzene	12.999	119	228647	21.704	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	253593	21.251	ug/l	97
85) sec-Butylbenzene	13.176	105	341123	21.092	ug/l	97
86) p-Isopropyltoluene	13.292	119	274045	21.116	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	128527	20.846	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	127470	20.761	ug/l	96
89) n-Butylbenzene	13.615	91	270065	20.758	ug/l	98
90) Hexachloroethane	13.877	117	52231	20.350	ug/l	82
91) 1,2-Dichlorobenzene	13.657	146	111579	20.820	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7449	18.715	ug/l	69
93) 1,2,4-Trichlorobenzene	14.919	180	55524	19.287	ug/l	95
94) Hexachlorobutadiene	15.023	225	30136	19.143	ug/l	97
95) Naphthalene	15.145	128	94892	17.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	44453	18.190	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020087.D
Acq On : 31 Oct 2024 12:21
Operator : SY/MD
Sample : VY1031SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 03:44:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

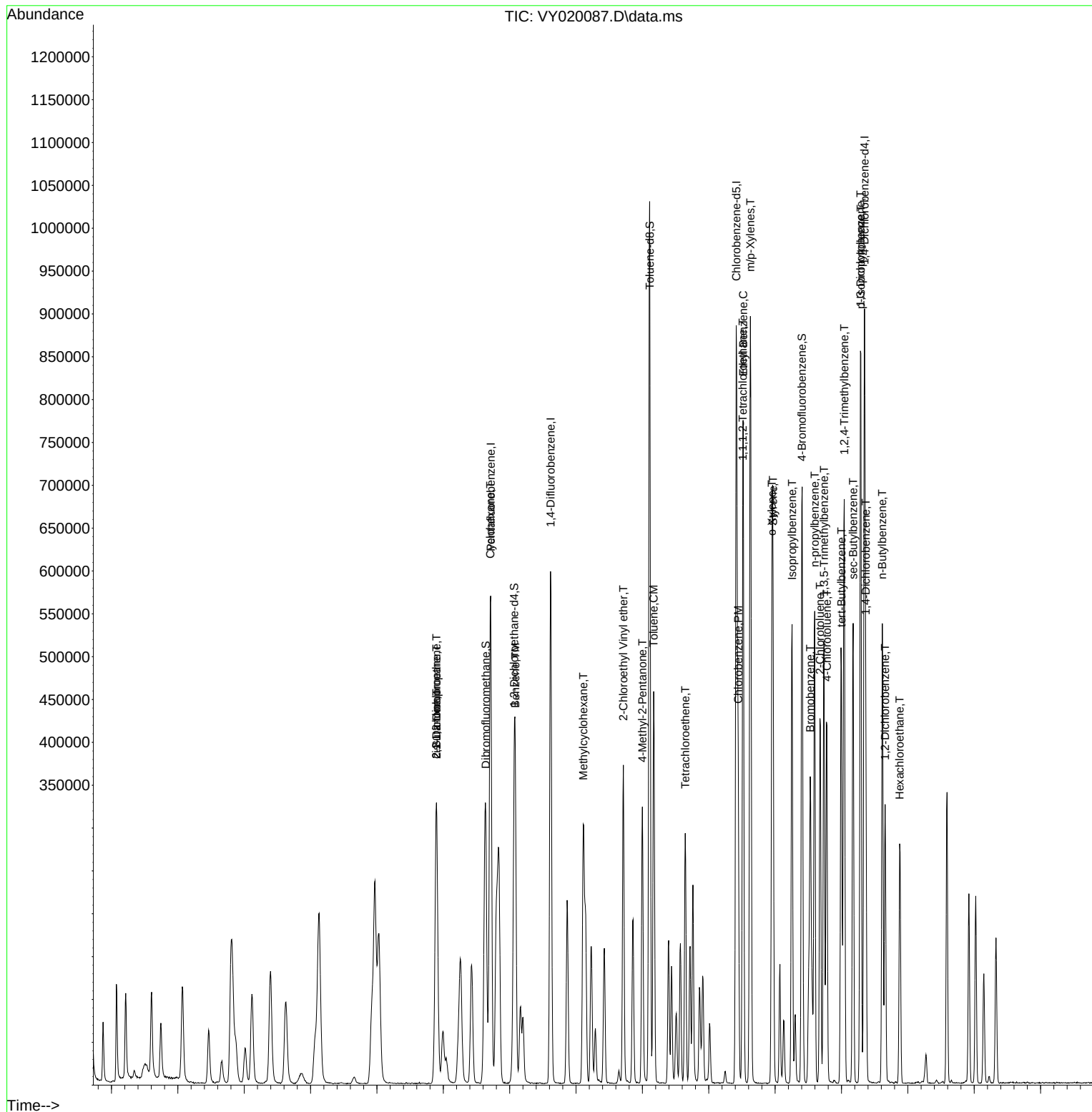
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

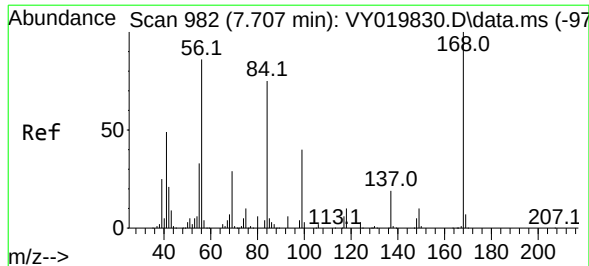
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024





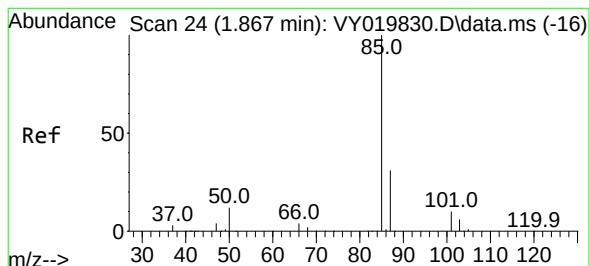
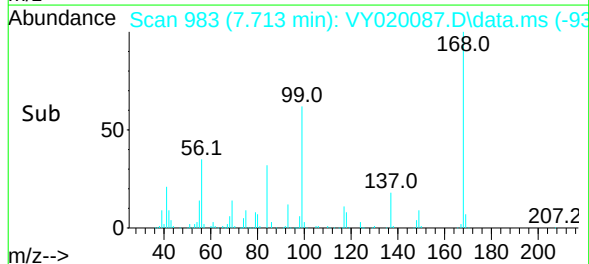
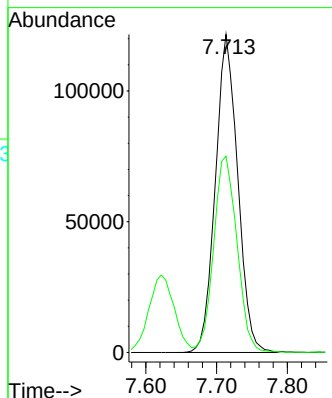
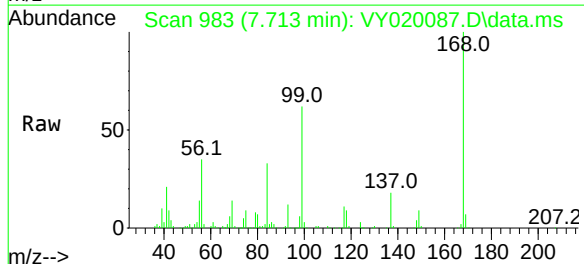
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01

Tgt Ion: 168 Resp: 266532
Ion Ratio Lower Upper
168 100
99 61.6 39.1 58.7

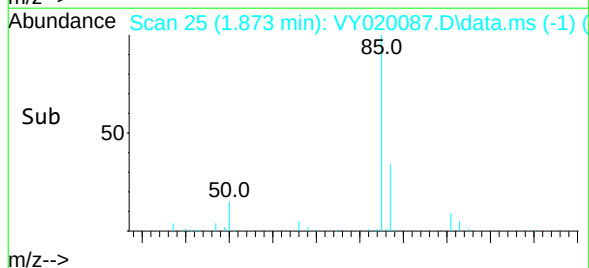
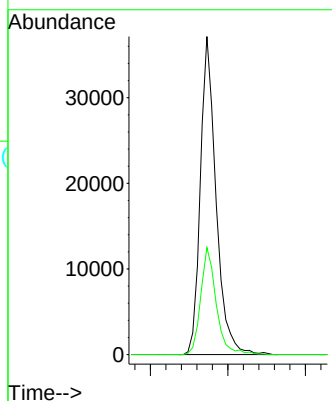
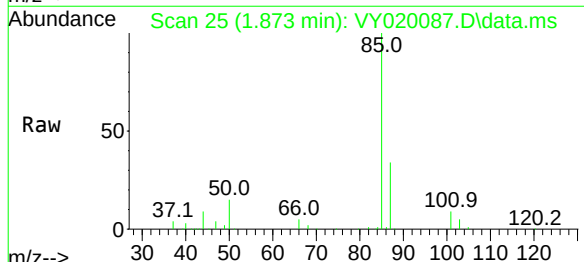
Manual Integrations
APPROVED

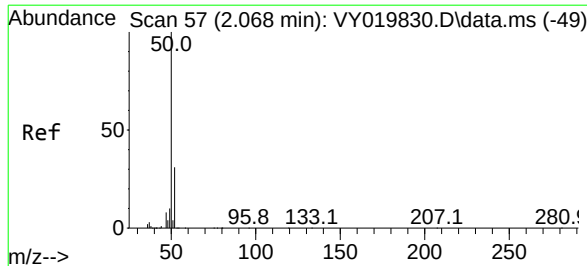
Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024



#2
Dichlorodifluoromethane
Concen: 21.161 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

Tgt Ion: 85 Resp: 52210
Ion Ratio Lower Upper
85 100
87 33.7 16.0 48.0





#3

Chloromethane

Concen: 22.498 ug/l

RT: 2.074 min Scan# 58

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 50 Resp: 91942

Ion Ratio Lower Upper

50 100

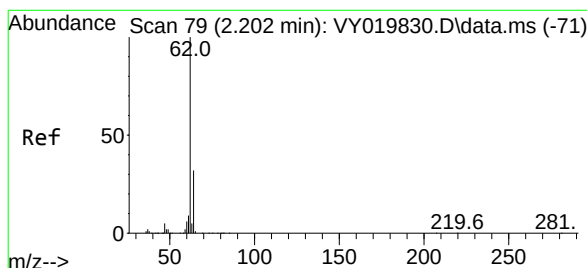
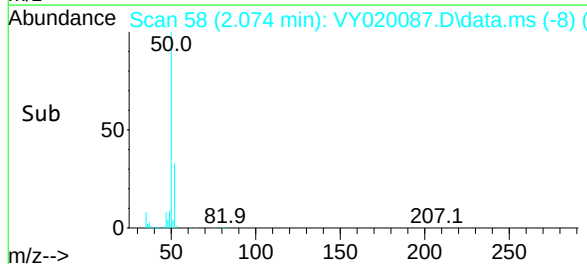
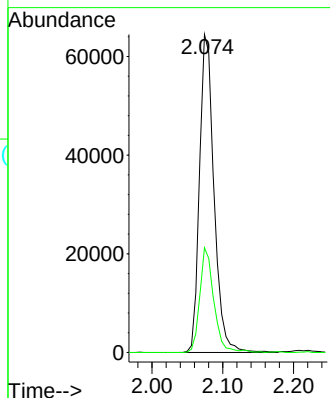
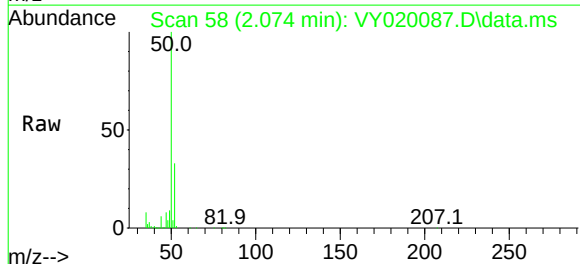
52 32.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#4

Vinyl Chloride

Concen: 21.329 ug/l

RT: 2.214 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY020087.D

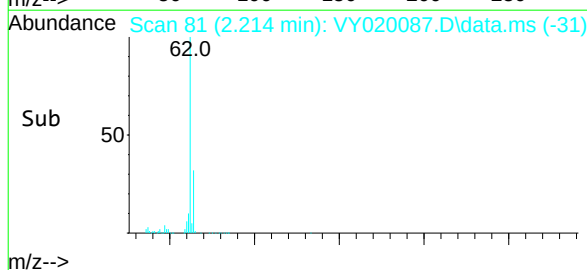
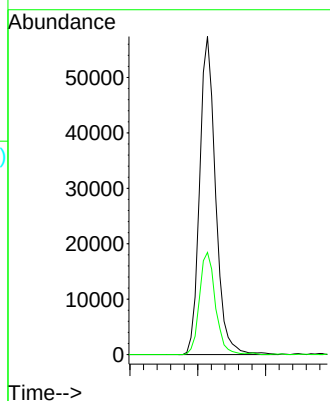
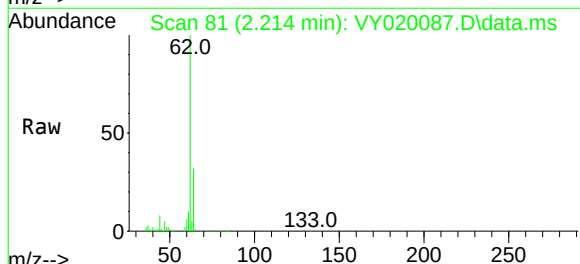
Acq: 31 Oct 2024 12:21

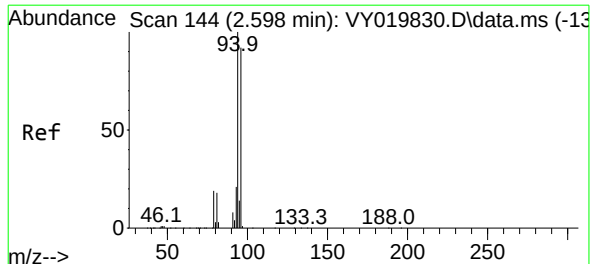
Tgt Ion: 62 Resp: 93578

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 21.813 ug/l

RT: 2.604 min Scan# 144

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 94 Resp: 63537

Ion Ratio Lower Upper

94 100

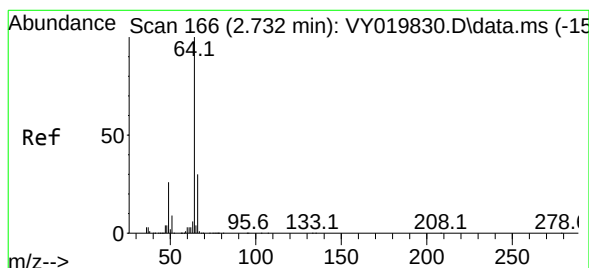
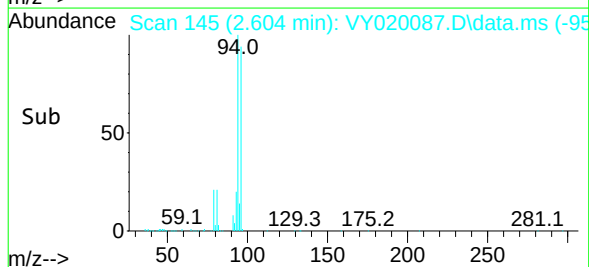
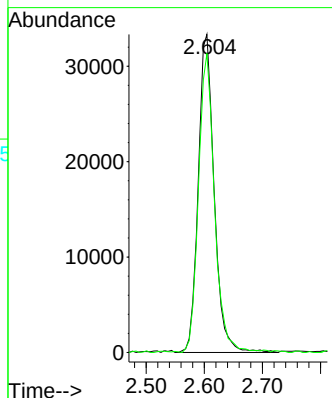
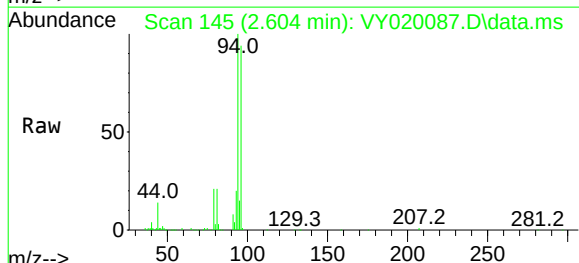
96 93.8 74.1 111.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#6

Chloroethane

Concen: 21.016 ug/l

RT: 2.745 min Scan# 168

Delta R.T. 0.006 min

Lab File: VY020087.D

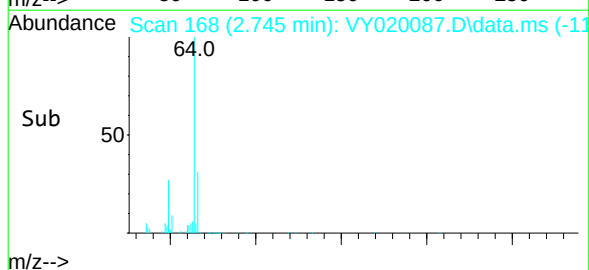
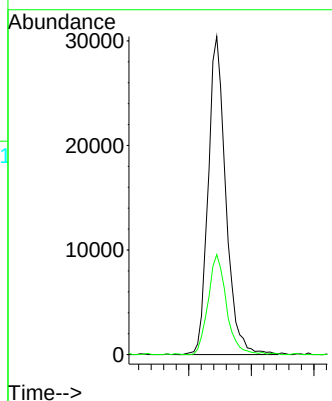
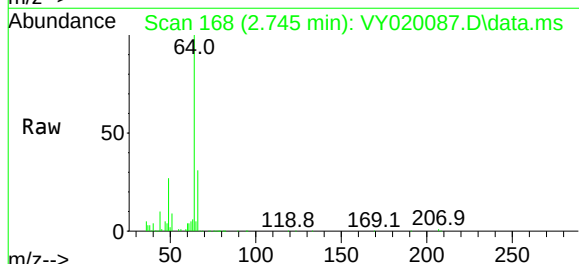
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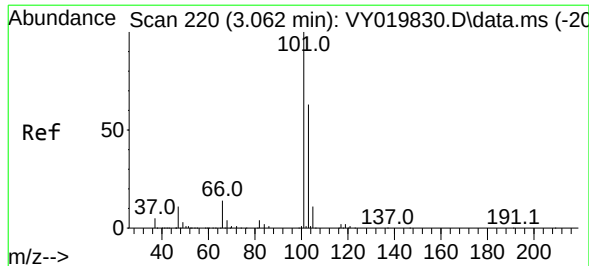
Tgt Ion: 64 Resp: 59505

Ion Ratio Lower Upper

64 100

66 31.3 26.1 39.1





#7

Trichlorofluoromethane

Concen: 20.690 ug/l

RT: 3.068 min Scan# 220

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:101 Resp: 110888

Ion Ratio Lower Upper

101 100

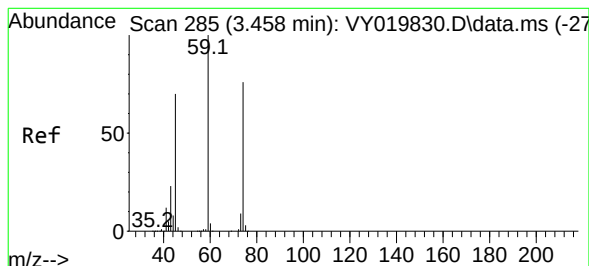
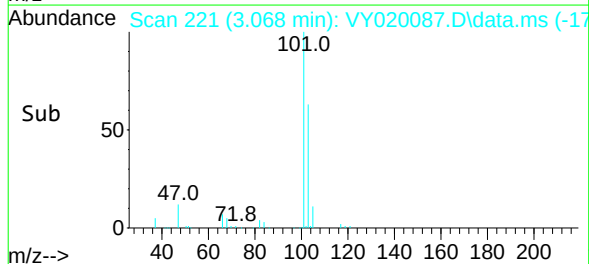
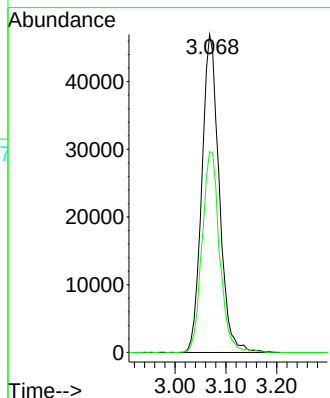
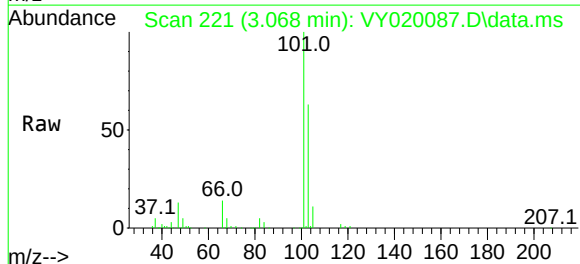
103 63.1 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#8

Diethyl Ether

Concen: 20.946 ug/l

RT: 3.464 min Scan# 286

Delta R.T. 0.006 min

Lab File: VY020087.D

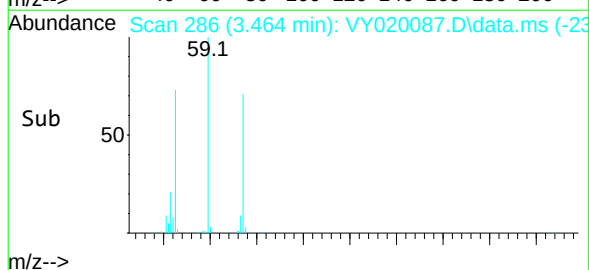
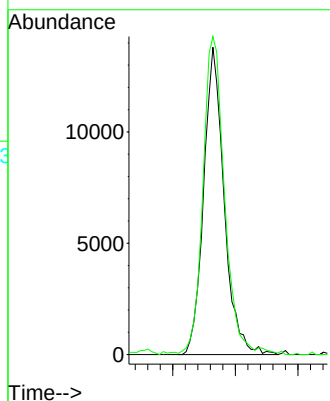
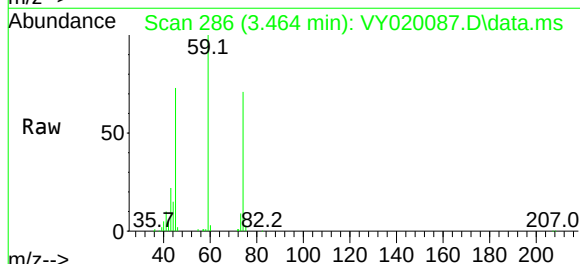
Acq: 31 Oct 2024 12:21

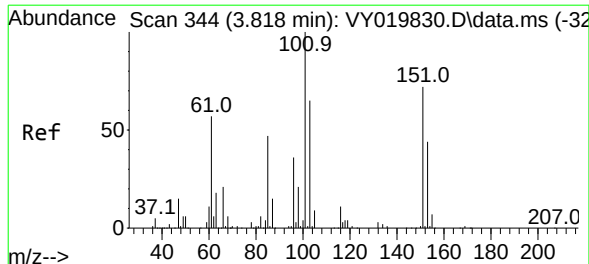
Tgt Ion: 74 Resp: 31311

Ion Ratio Lower Upper

74 100

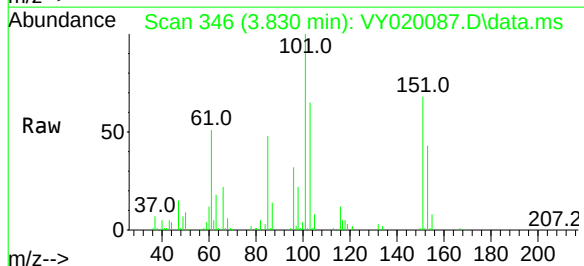
45 106.0 41.3 124.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.967 ug/l
RT: 3.830 min Scan# 344
Delta R.T. 0.019 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

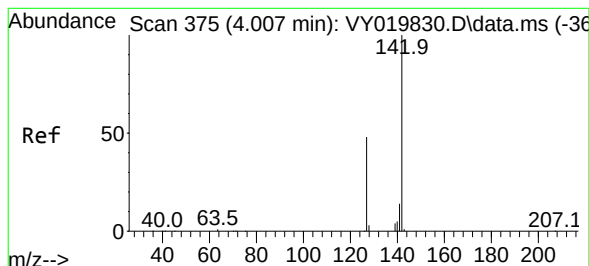
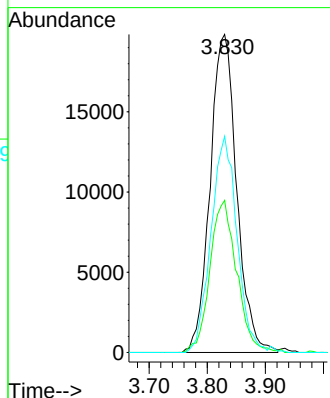
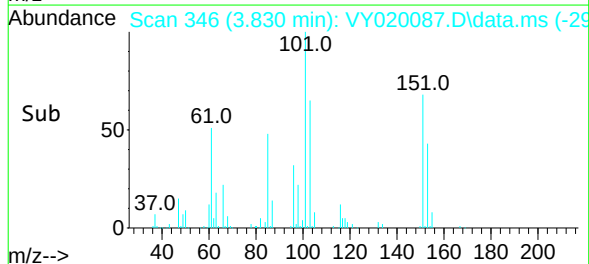
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01



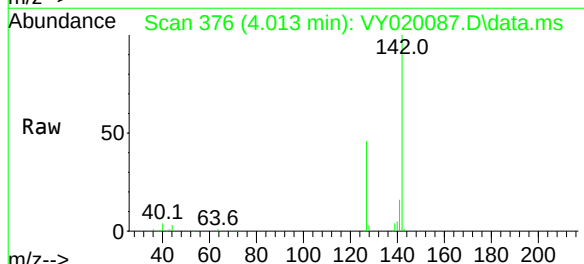
Tgt Ion:101 Resp: 63036
Ion Ratio Lower Upper
101 100
85 48.2 34.5 51.7
151 66.5 61.7 92.5

Manual Integrations
APPROVED

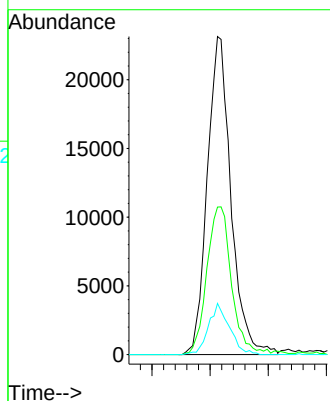
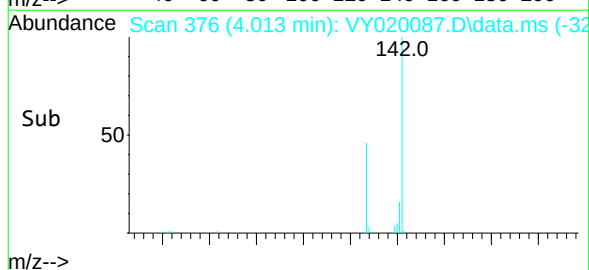
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

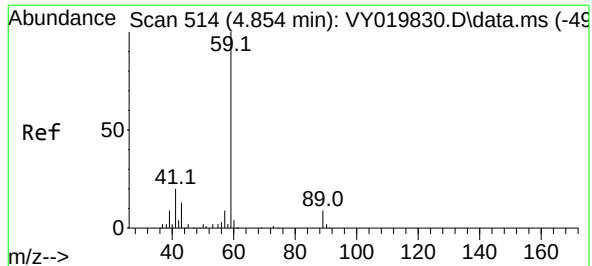


#10
Methyl Iodide
Concen: 22.525 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21



Tgt Ion:142 Resp: 65375
Ion Ratio Lower Upper
142 100
127 48.4 32.8 49.2
141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 97.176 ug/l

RT: 4.866 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 59 Resp: 23252

Ion Ratio Lower Upper

59 100

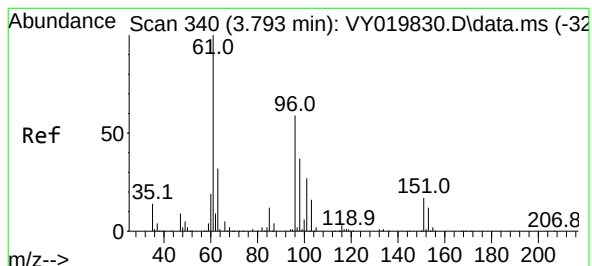
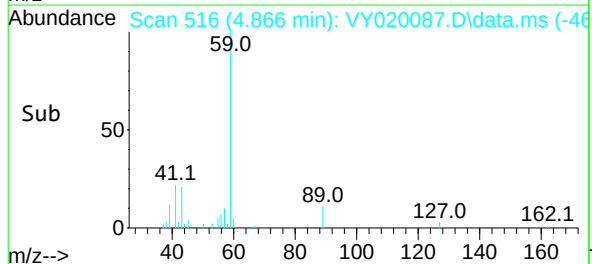
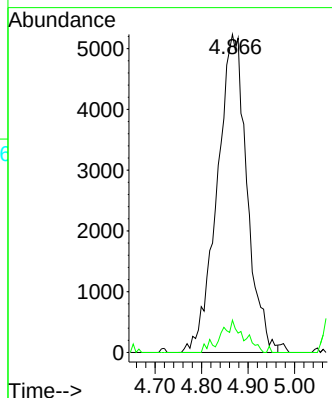
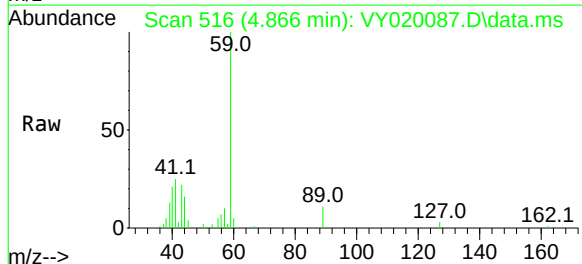
57 6.9 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#12

1,1-Dichloroethene

Concen: 21.386 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

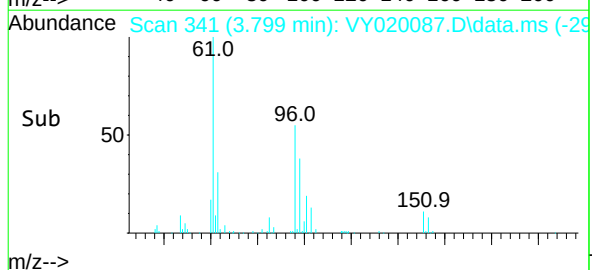
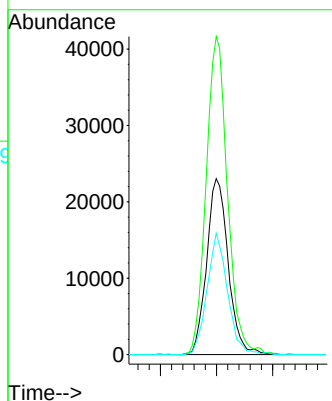
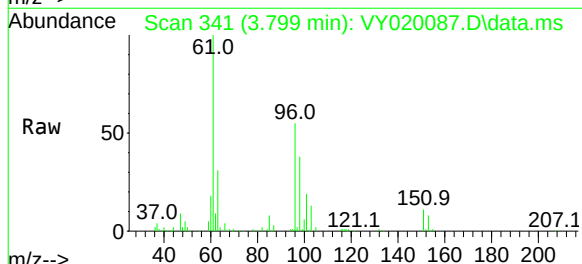
Tgt Ion: 96 Resp: 61512

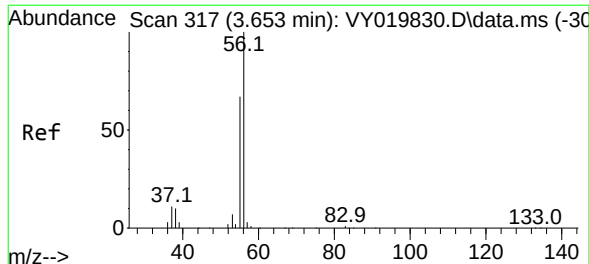
Ion Ratio Lower Upper

96 100

61 180.8 114.6 171.8#

98 69.0 50.8 76.2





#13

Acrolein

Concen: 105.448 ug/l

RT: 3.665 min Scan# 317

Delta R.T. 0.012 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 56 Resp: 31409

Ion Ratio Lower Upper

56 100

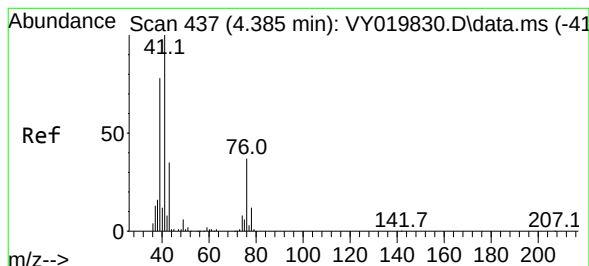
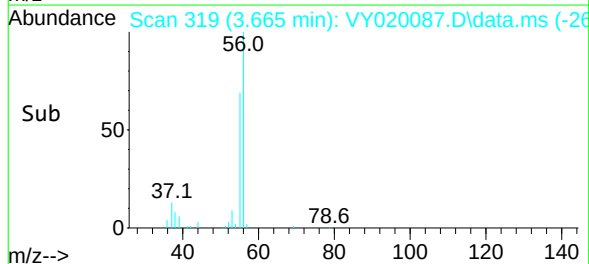
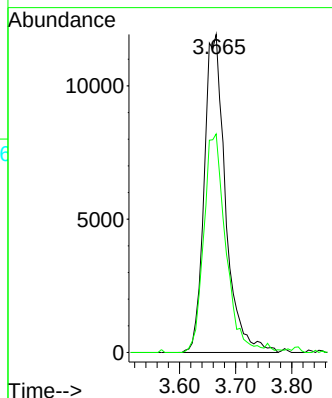
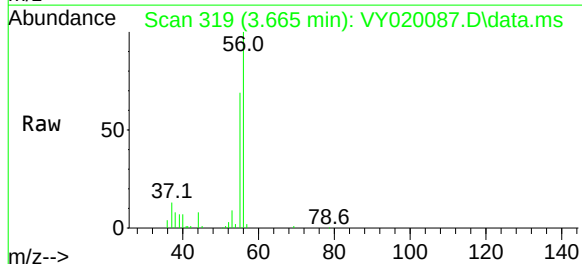
55 71.0 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#14

Allyl chloride

Concen: 21.835 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

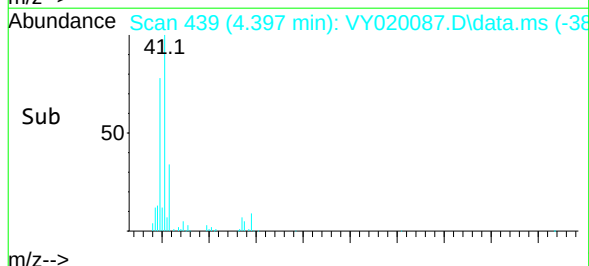
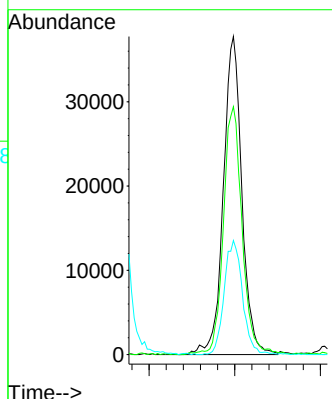
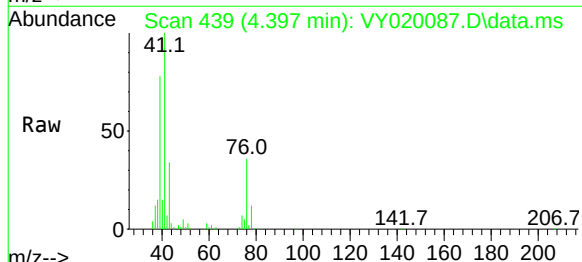
Tgt Ion: 41 Resp: 113308

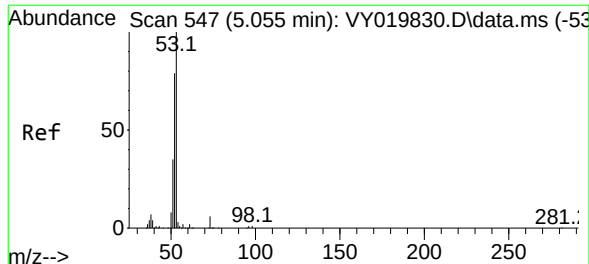
Ion Ratio Lower Upper

41 100

39 79.0 58.3 87.5

76 35.4 39.0 58.6#





#15

Acrylonitrile

Concen: 103.613 ug/l

RT: 5.067 min Scan# 54

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

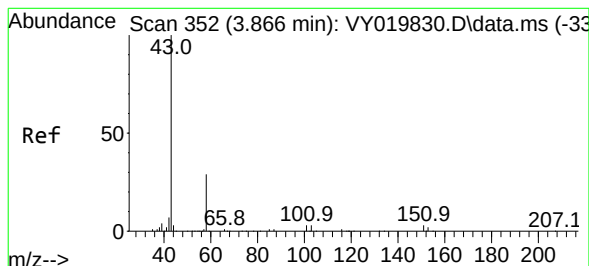
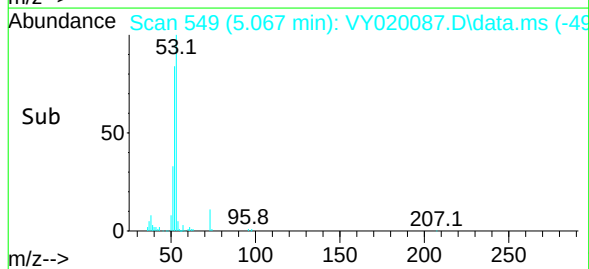
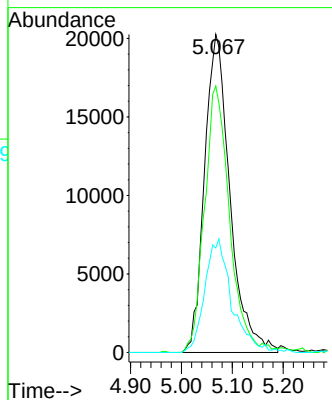
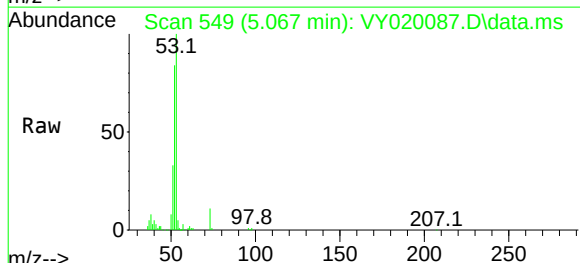
ClientSampleId :

VY1031SBS01

Tgt Ion: 53	Resp: 70503
Ion Ratio	Lower Upper
53 100	
52 81.4	64.7 97.1
51 37.6	28.4 42.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#16

Acetone

Concen: 87.403 ug/l

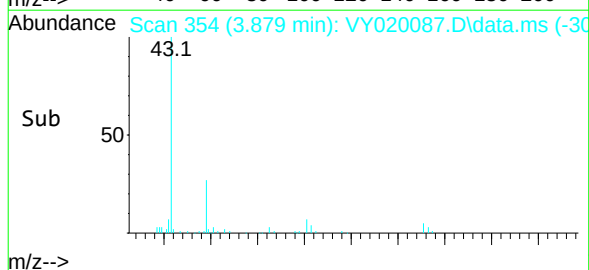
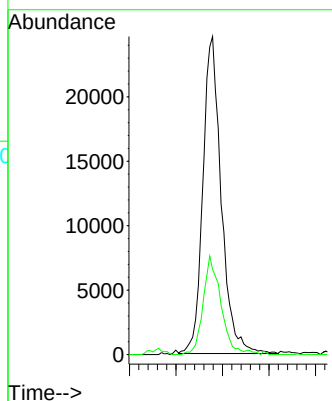
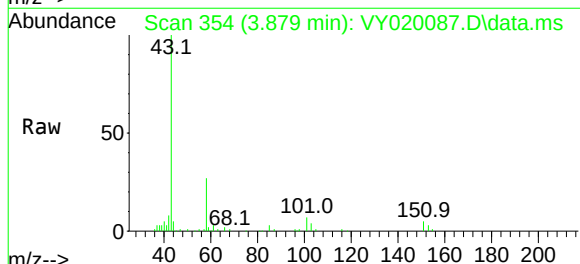
RT: 3.879 min Scan# 354

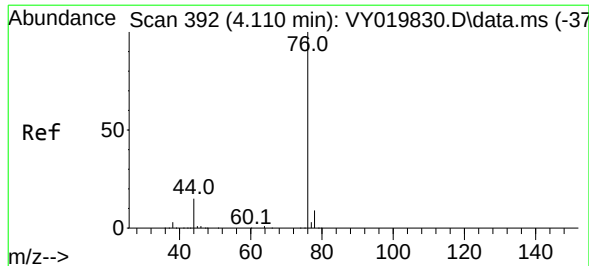
Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion: 43	Resp: 67614
Ion Ratio	Lower Upper
43 100	
58 26.9	31.7 47.5#





#17

Carbon Disulfide

Concen: 21.663 ug/l

RT: 4.116 min Scan# 392

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 76 Resp: 207355

Ion Ratio Lower Upper

76 100

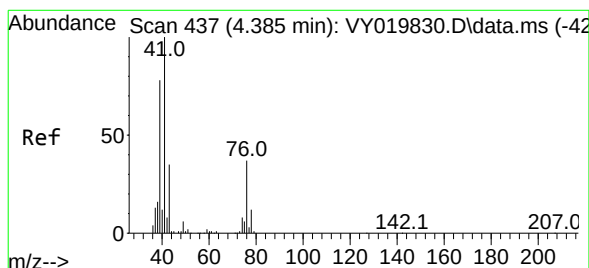
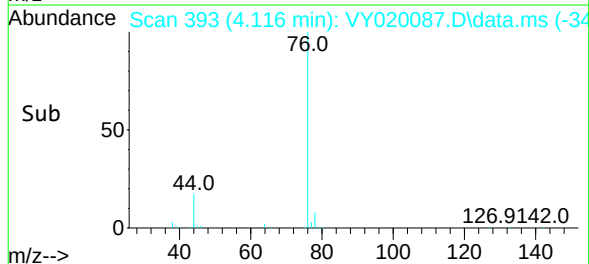
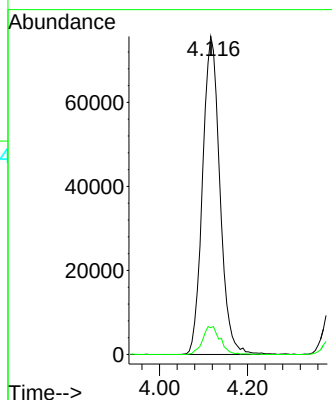
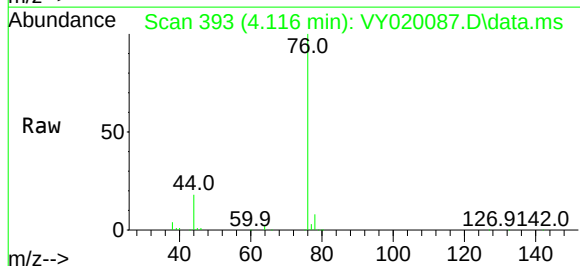
78 8.4 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#18

Methyl Acetate

Concen: 20.663 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.013 min

Lab File: VY020087.D

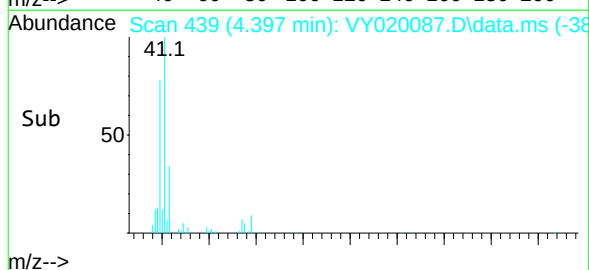
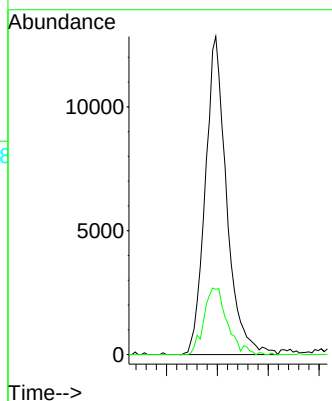
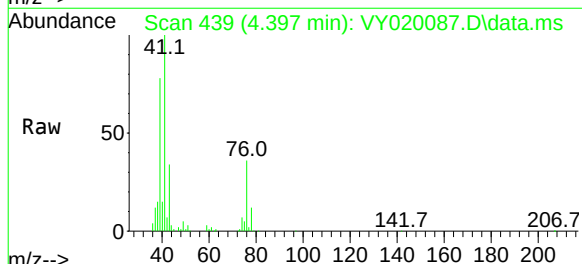
Acq: 31 Oct 2024 12:21

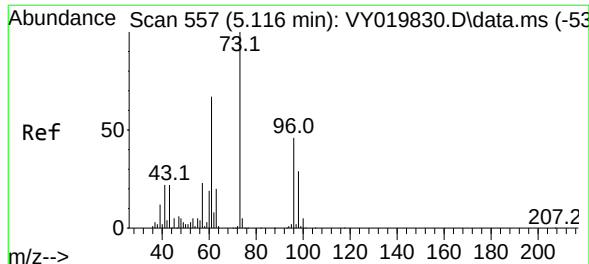
Tgt Ion: 43 Resp: 37505

Ion Ratio Lower Upper

43 100

74 22.8 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 20.740 ug/l

RT: 5.128 min Scan# 557

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 73 Resp: 150075

Ion Ratio Lower Upper

73 100

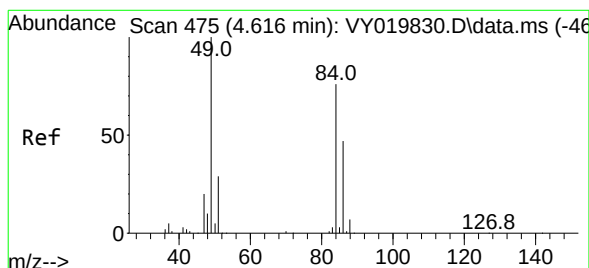
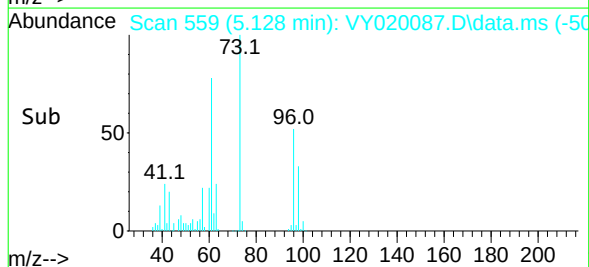
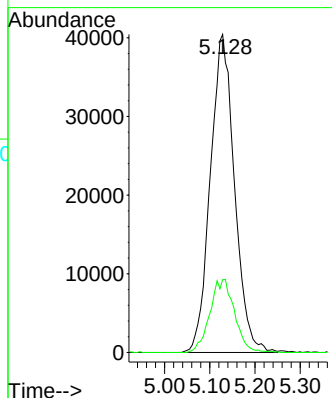
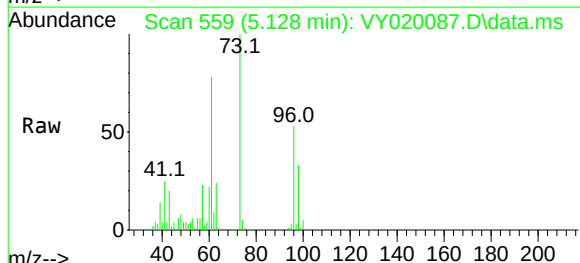
57 22.9 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#20

Methylene Chloride

Concen: 19.512 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion: 84 Resp: 67806

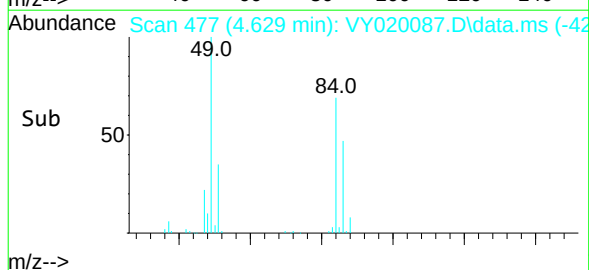
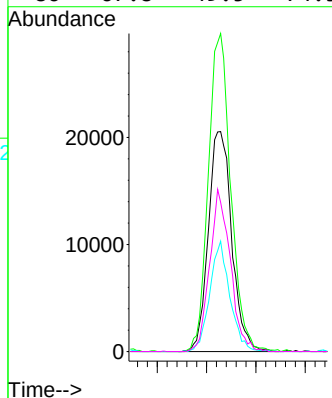
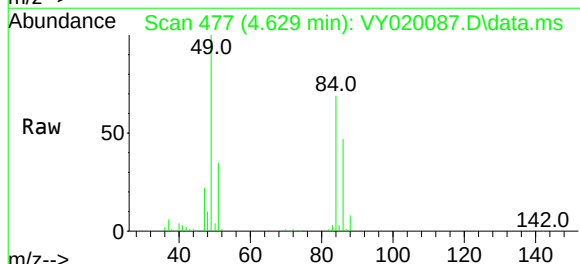
Ion Ratio Lower Upper

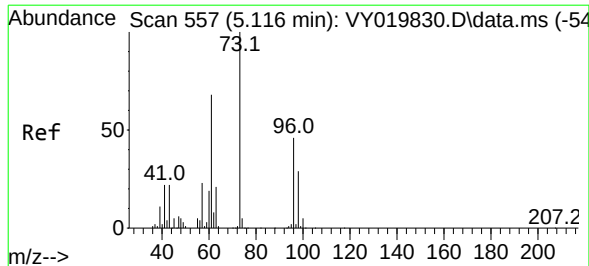
84 100

49 144.6 84.4 126.6#

51 50.2 26.0 39.0#

86 67.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.011 ug/l

RT: 5.122 min Scan# 557

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

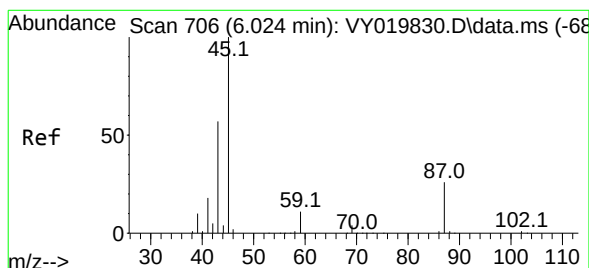
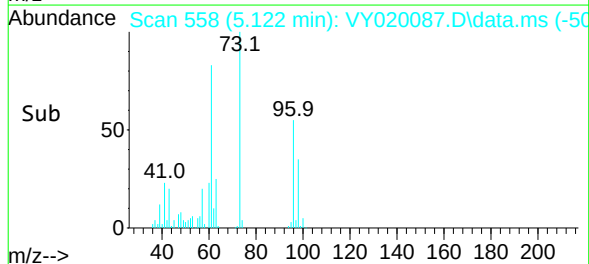
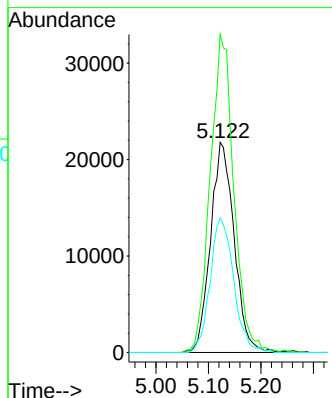
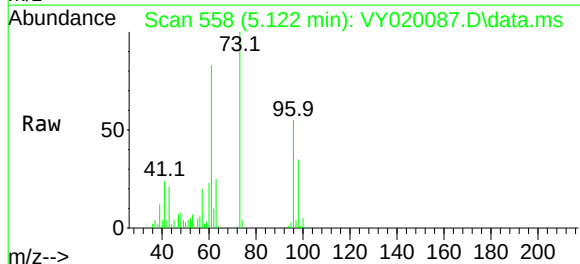
Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:	96	Resp:	68153
Ion	Ratio	Lower	Upper
96	100		
61	151.4	97.5	146.3#
98	63.9	50.5	75.7

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

#22

Diisopropyl ether

Concen: 21.657 ug/l

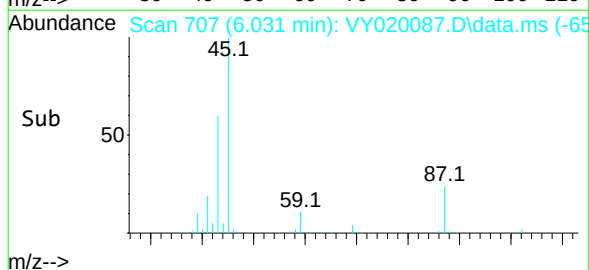
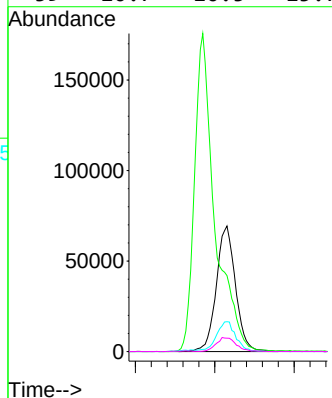
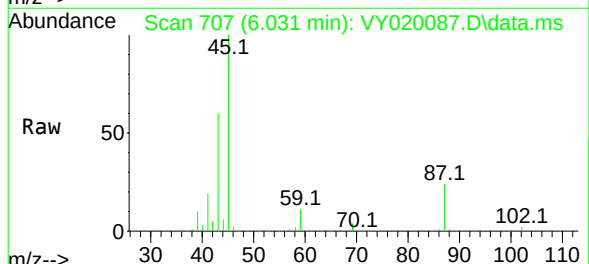
RT: 6.031 min Scan# 707

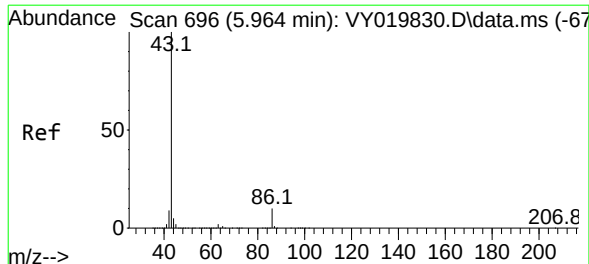
Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	45	Resp:	233220
Ion	Ratio	Lower	Upper
45	100		
43	59.8	42.2	63.2
87	23.8	25.0	37.6#
59	10.7	10.5	15.7





#23

Vinyl Acetate

Concen: 102.935 ug/l

RT: 5.970 min Scan# 69

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 43 Resp: 623813

Ion Ratio Lower Upper

43 100

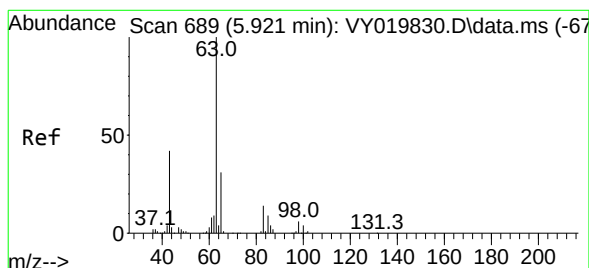
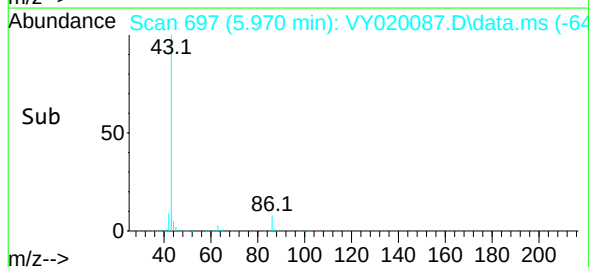
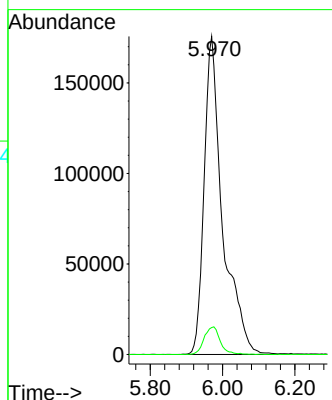
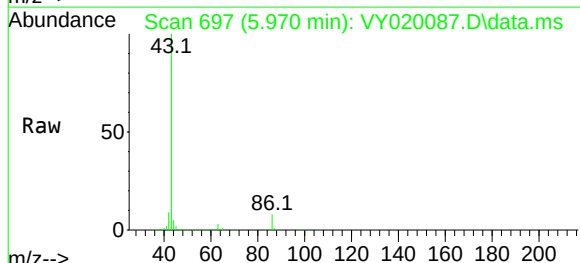
86 8.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#24

1,1-Dichloroethane

Concen: 21.814 ug/l

RT: 5.927 min Scan# 690

Delta R.T. 0.013 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

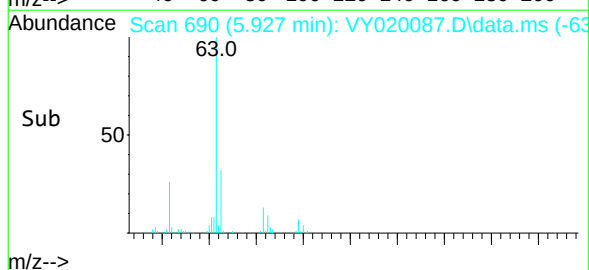
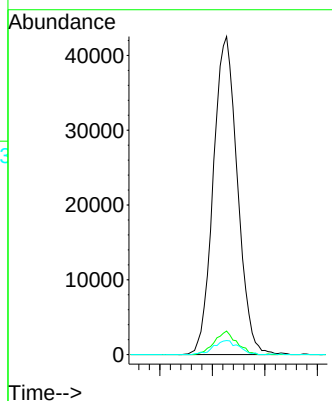
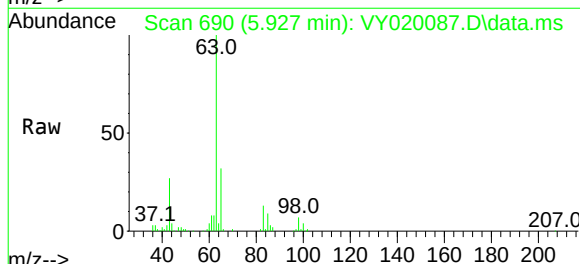
Tgt Ion: 63 Resp: 136019

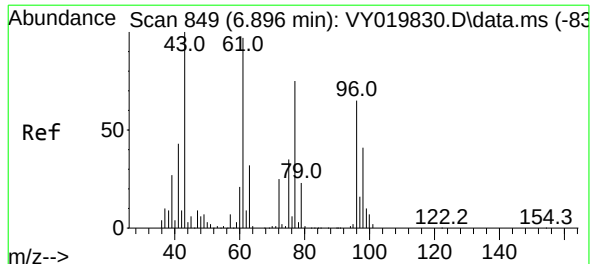
Ion Ratio Lower Upper

63 100

98 7.4 4.0 12.2

100 4.4 2.6 8.0





#25

2-Butanone

Concen: 94.628 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 43 Resp: 99236

Ion Ratio Lower Upper

43 100

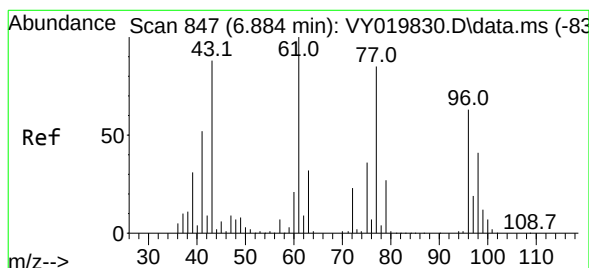
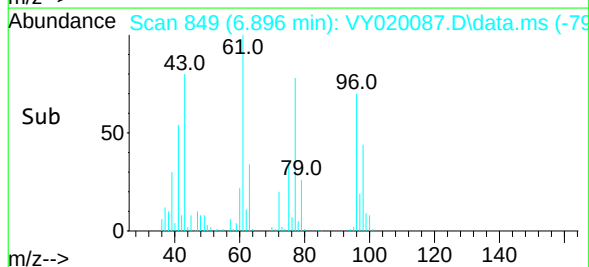
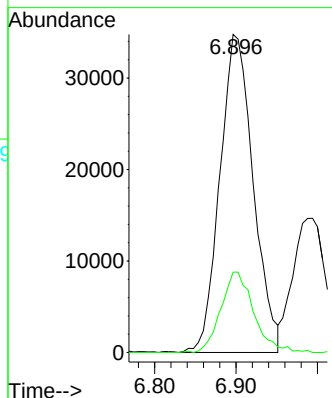
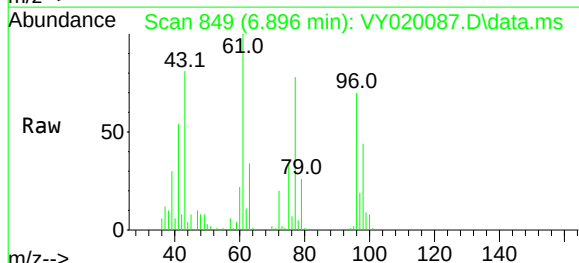
72 25.3 27.3 40.9#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#26

2,2-Dichloropropane

Concen: 20.213 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.013 min

Lab File: VY020087.D

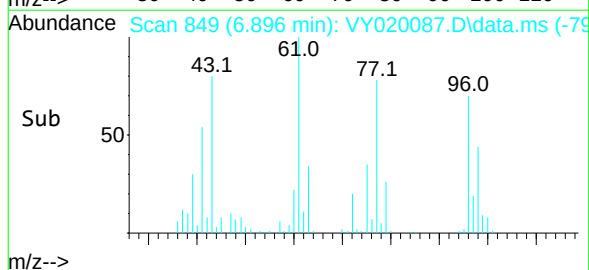
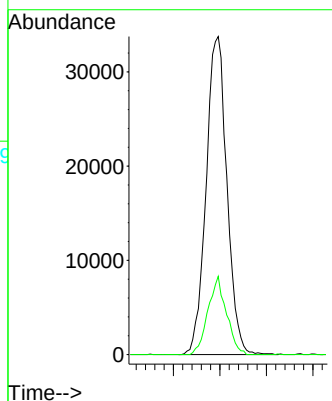
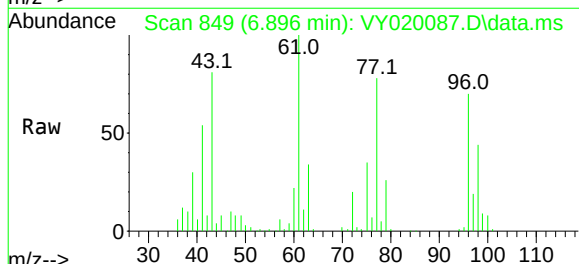
Acq: 31 Oct 2024 12:21

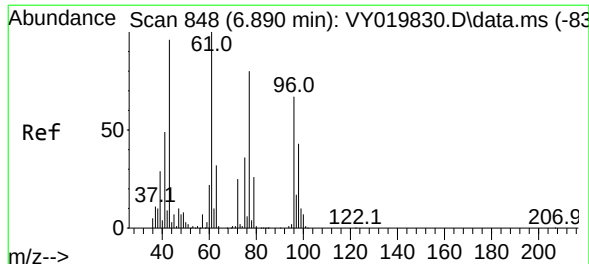
Tgt Ion: 77 Resp: 104867

Ion Ratio Lower Upper

77 100

97 21.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 21.800 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 96 Resp: 81286

Ion Ratio Lower Upper

96 100

61 155.3 0.0 256.2

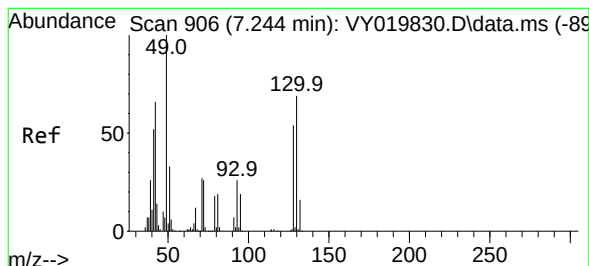
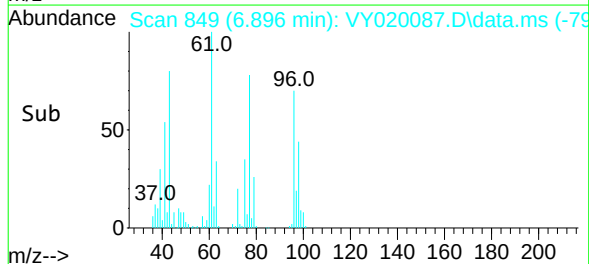
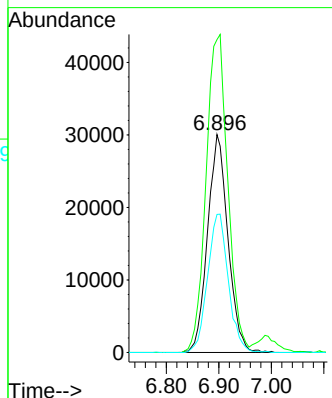
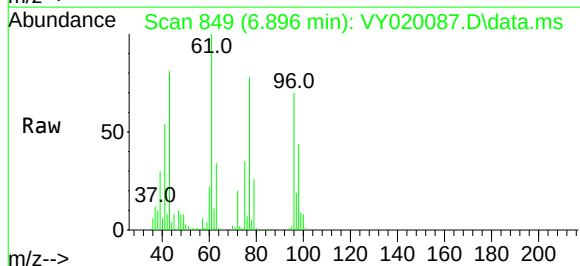
98 64.5 0.0 130.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#28

Bromochloromethane

Concen: 19.019 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

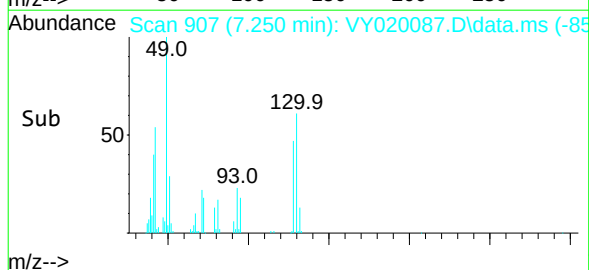
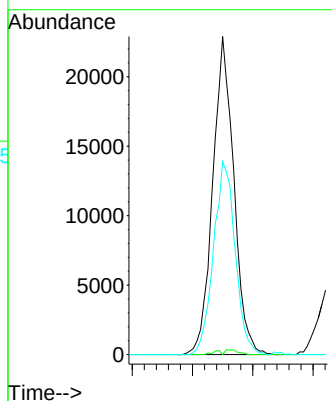
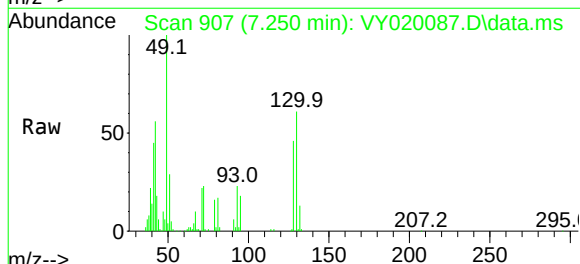
Tgt Ion: 49 Resp: 55532

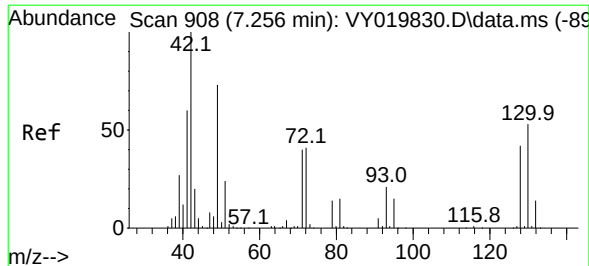
Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.6

130 62.4 72.7 109.1#





#29

Tetrahydrofuran

Concen: 101.812 ug/l

RT: 7.268 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 42 Resp: 61614

Ion Ratio Lower Upper

42 100

72 39.0 43.0 64.4#

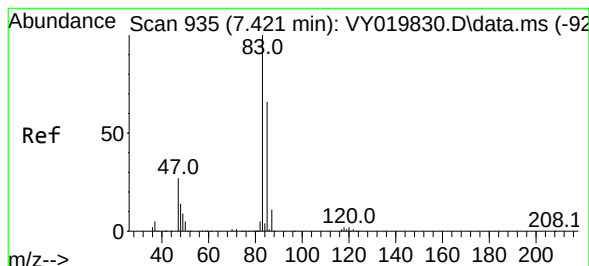
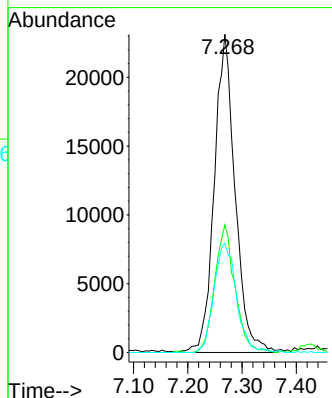
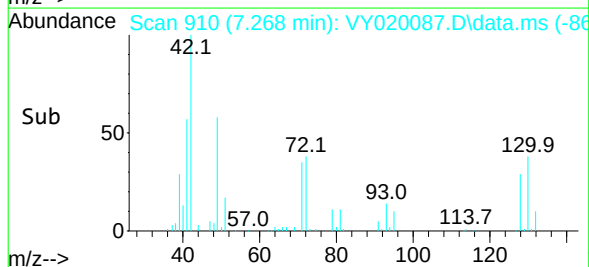
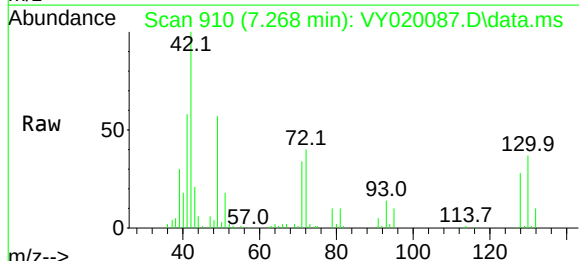
71 36.8 40.8 61.2#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#30

Chloroform

Concen: 21.397 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY020087.D

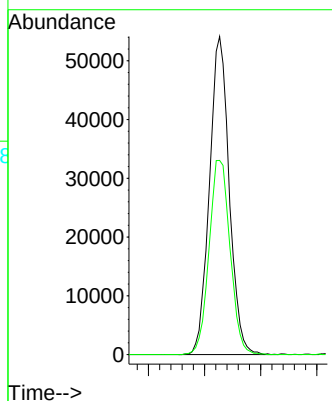
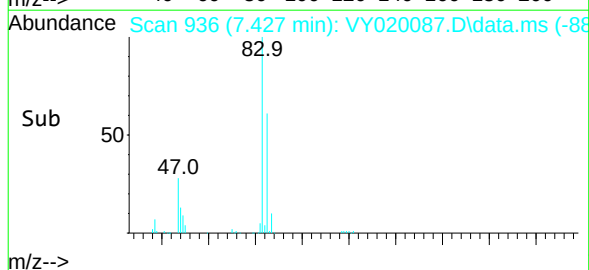
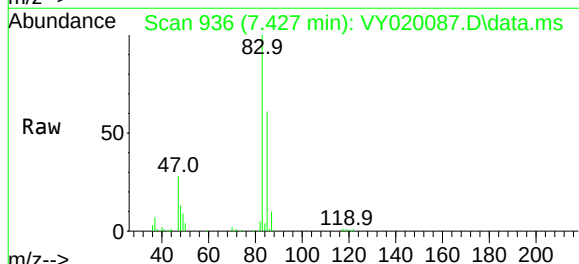
Acq: 31 Oct 2024 12:21

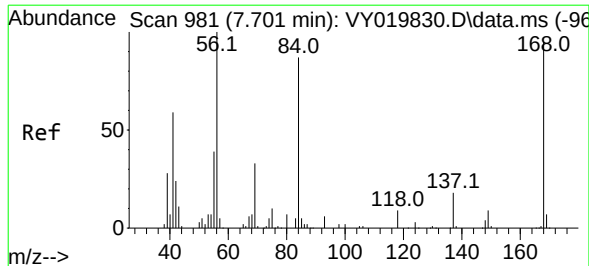
Tgt Ion: 83 Resp: 132399

Ion Ratio Lower Upper

83 100

85 61.1 52.2 78.4





#31

Cyclohexane

Concen: 20.511 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 56 Resp: 123816

Ion Ratio Lower Upper

56 100

69 35.3 28.7 43.1

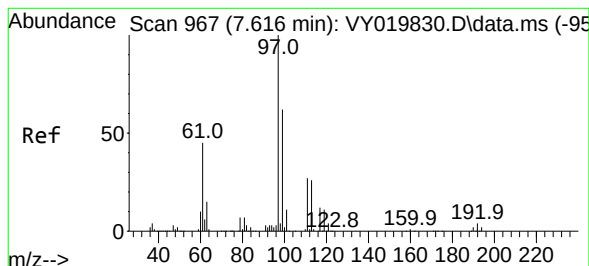
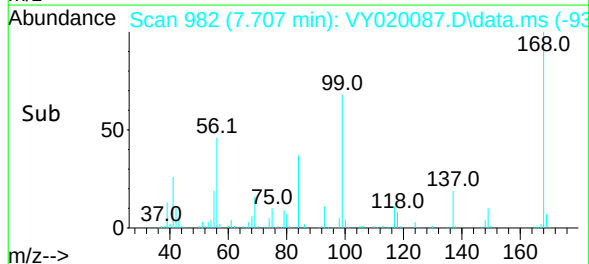
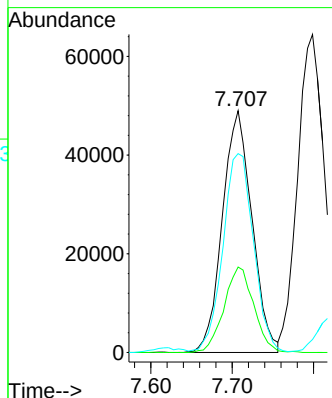
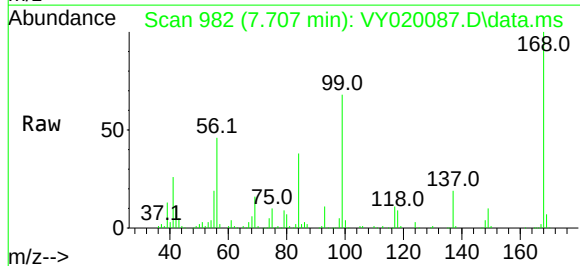
84 80.8 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#32

1,1,1-Trichloroethane

Concen: 21.405 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

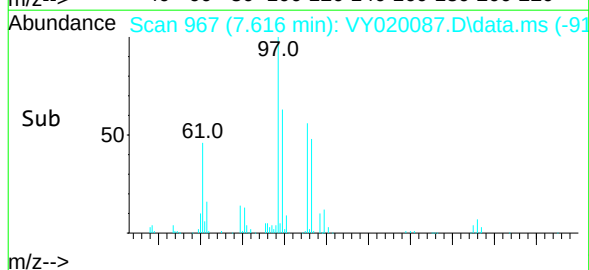
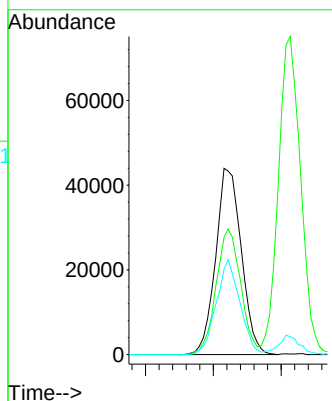
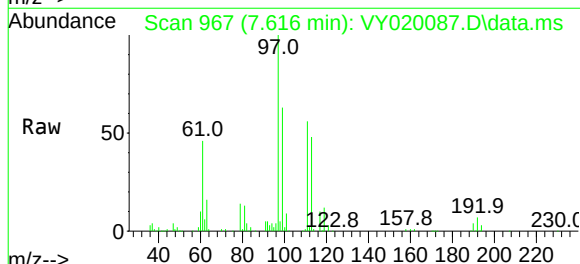
Tgt Ion: 97 Resp: 115634

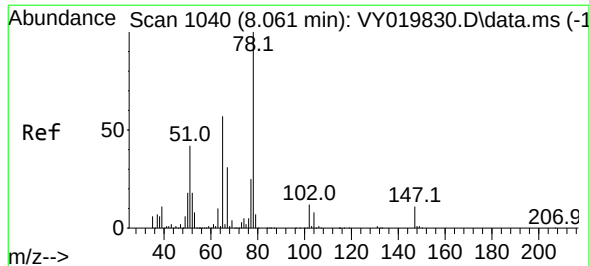
Ion Ratio Lower Upper

97 100

99 64.5 50.3 75.5

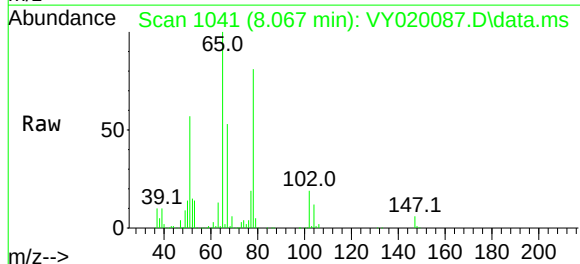
61 46.9 32.6 48.8





#33
1,2-Dichloroethane-d4
Concen: 52.962 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

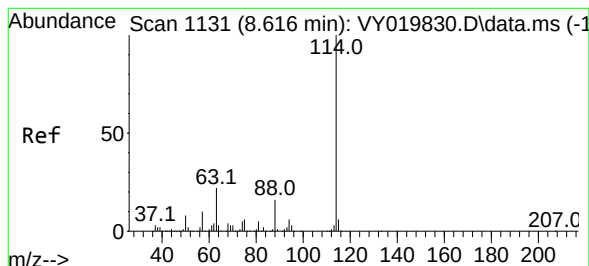
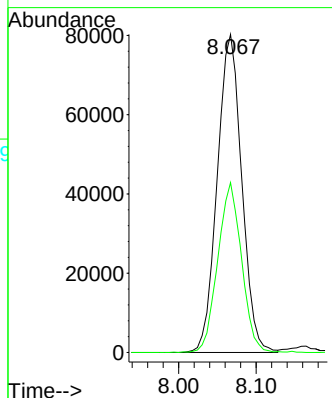
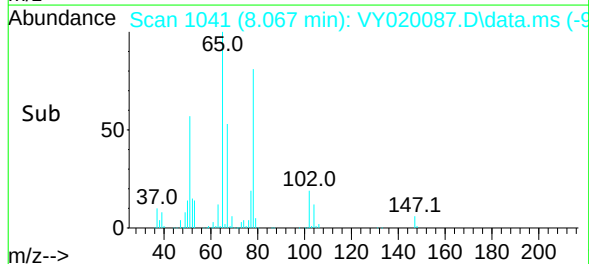
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01



Tgt Ion: 65 Resp: 176177
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.6

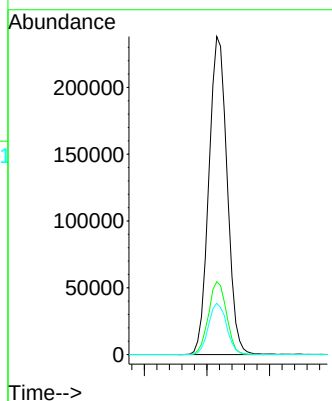
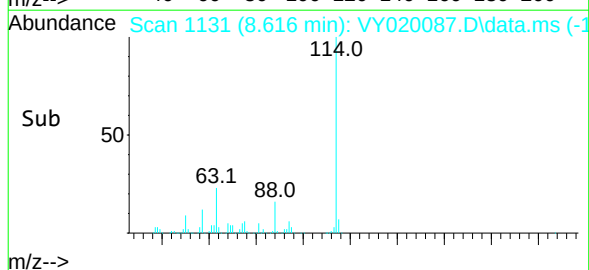
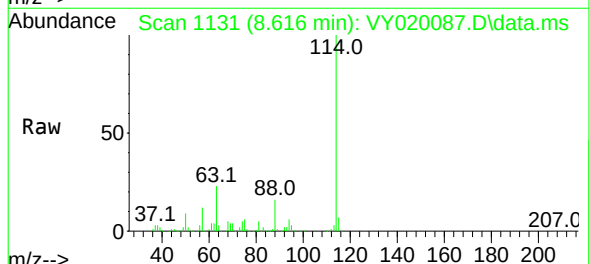
Manual Integrations
APPROVED

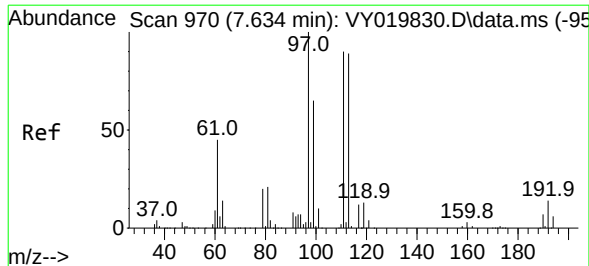
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

Tgt Ion:114 Resp: 483245
Ion Ratio Lower Upper
114 100
63 22.9 0.0 35.0
88 16.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.775 ug/l

RT: 7.640 min Scan# 97

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:113 Resp: 159075

Ion Ratio Lower Upper

113 100

111 106.2 82.2 123.4

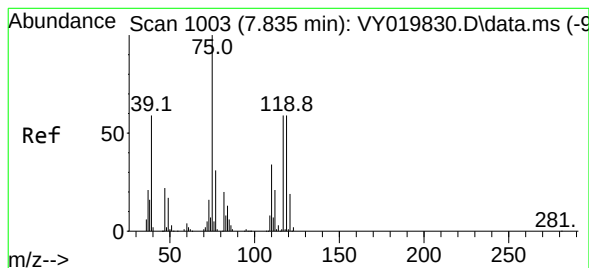
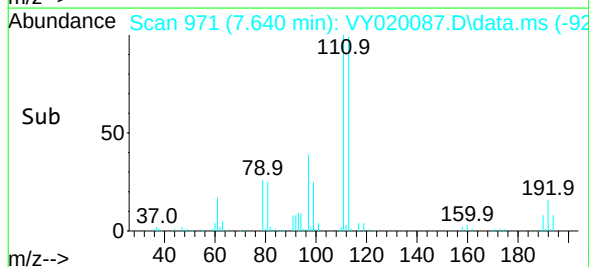
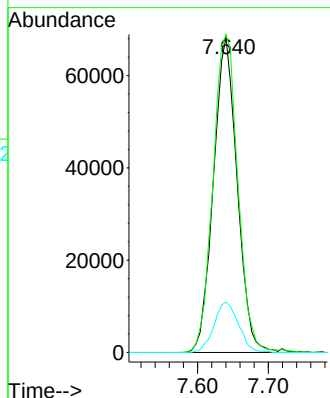
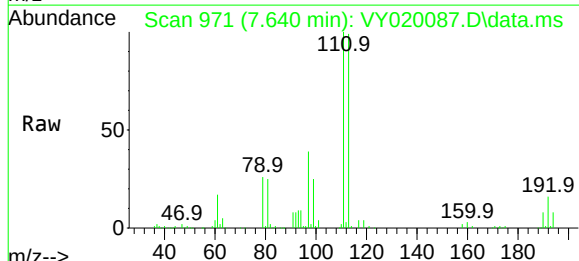
192 16.6 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#36

1,1-Dichloropropene

Concen: 20.603 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

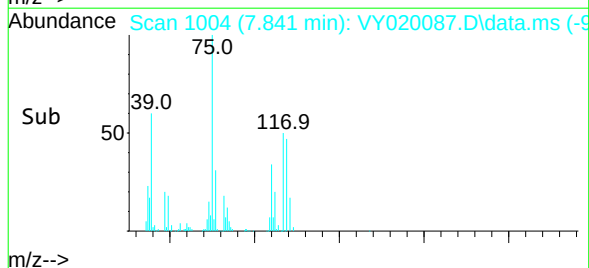
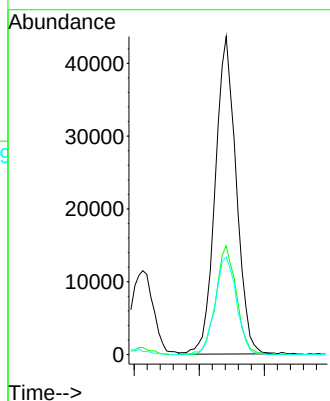
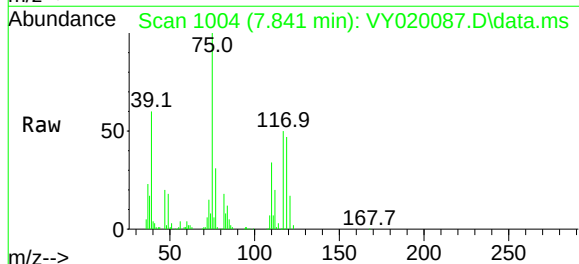
Tgt Ion: 75 Resp: 97785

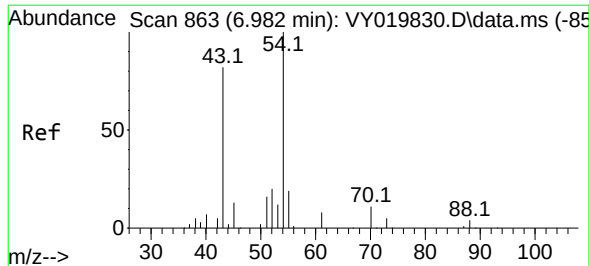
Ion Ratio Lower Upper

75 100

110 33.5 19.0 57.0

77 31.5 25.3 37.9





#37

Ethyl Acetate

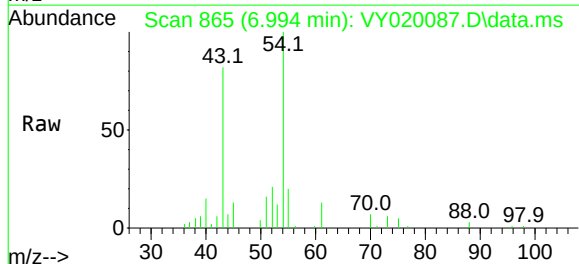
Concen: 19.933 ug/l

RT: 6.994 min Scan# 86

Delta R.T. 0.013 min

Lab File: VY020087.D

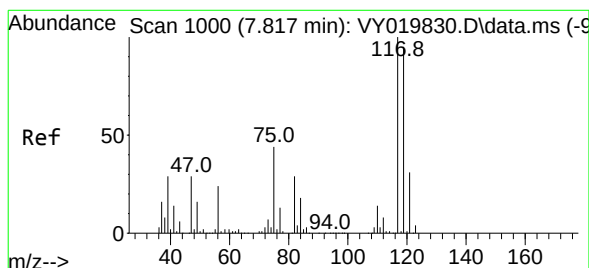
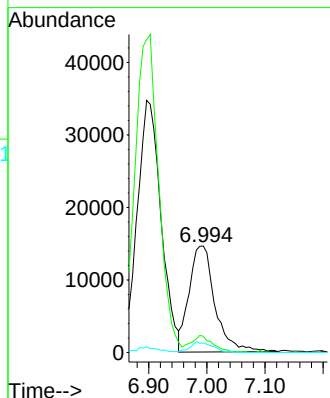
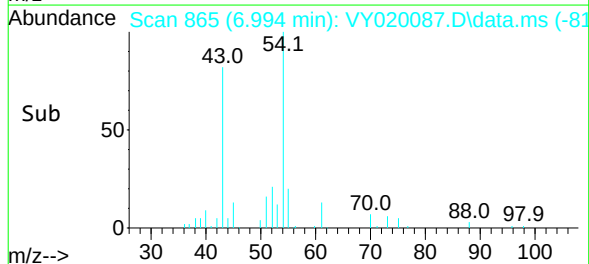
Acq: 31 Oct 2024 12:21



Tgt Ion:	43	Resp:	45105
Ion	Ratio	Lower	Upper
43	100		
61	12.6	12.6	19.0
70	8.7	7.8	11.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#38

Carbon Tetrachloride

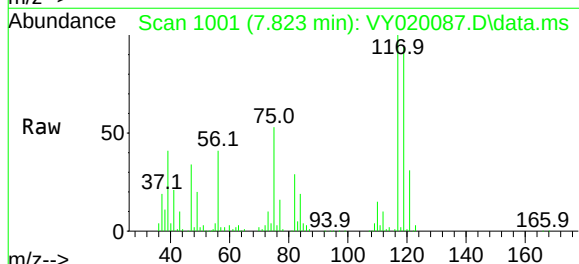
Concen: 20.413 ug/l

RT: 7.823 min Scan# 1001

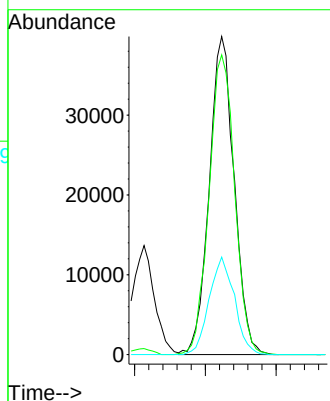
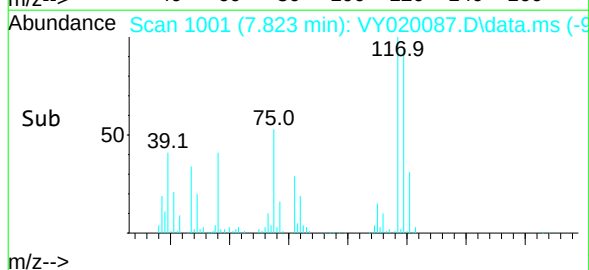
Delta R.T. 0.006 min

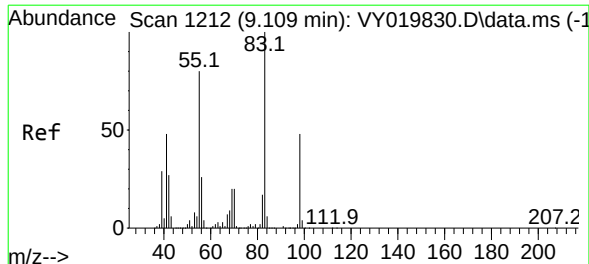
Lab File: VY020087.D

Acq: 31 Oct 2024 12:21



Tgt Ion:	117	Resp:	97425
Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.8	113.6
121	30.6	24.0	36.0





#39

Methylcyclohexane

Concen: 19.649 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 83 Resp: 118362

Ion Ratio Lower Upper

83 100

55 86.6 51.5 77.3

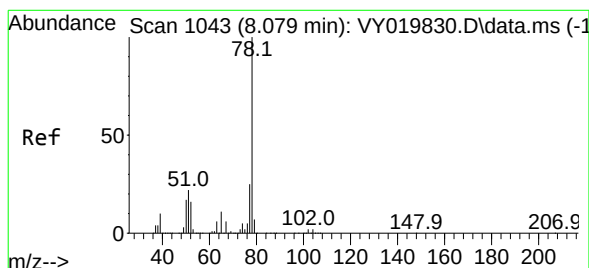
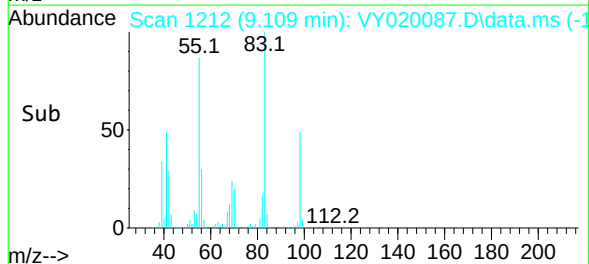
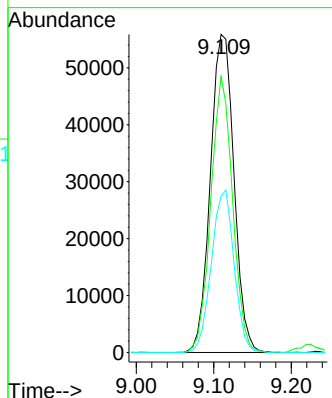
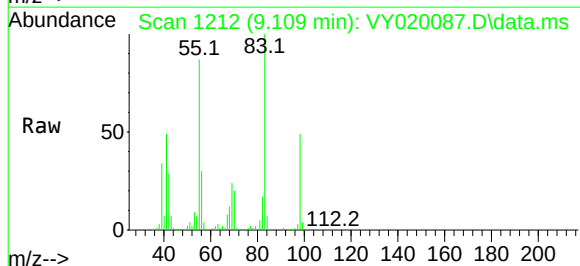
98 49.1 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#40

Benzene

Concen: 21.026 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY020087.D

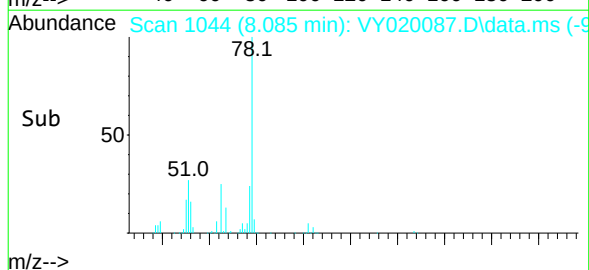
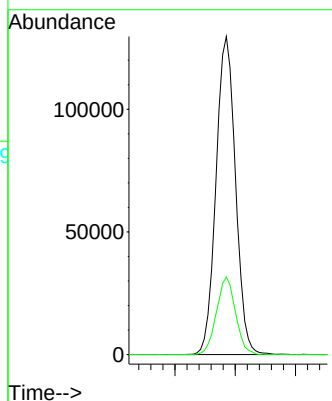
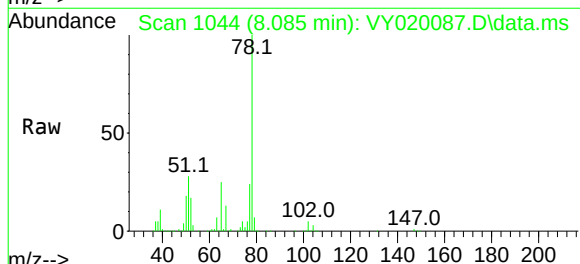
Acq: 31 Oct 2024 12:21

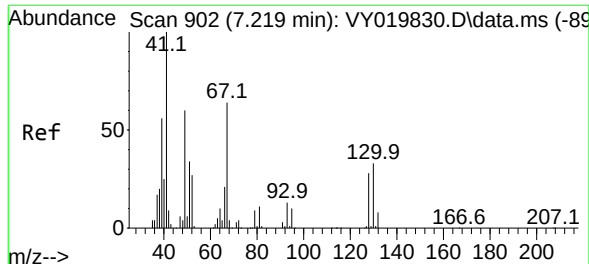
Tgt Ion: 78 Resp: 291287

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3





#41

Methacrylonitrile

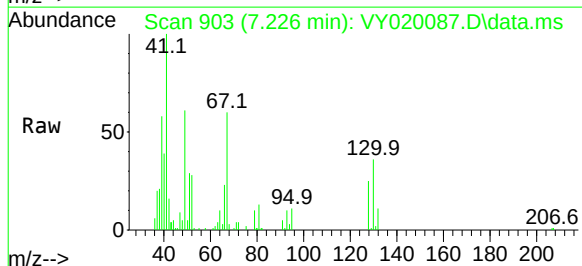
Concen: 16.424 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.006 min

Lab File: VY020087.D

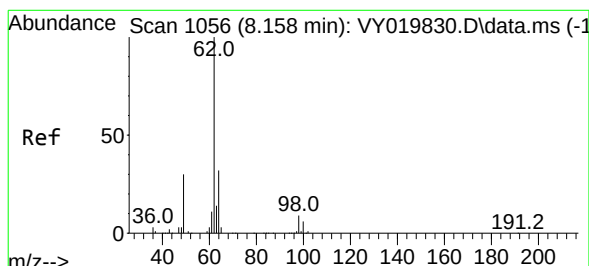
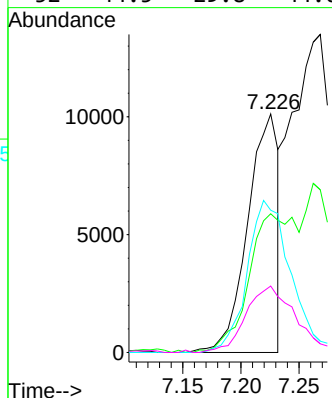
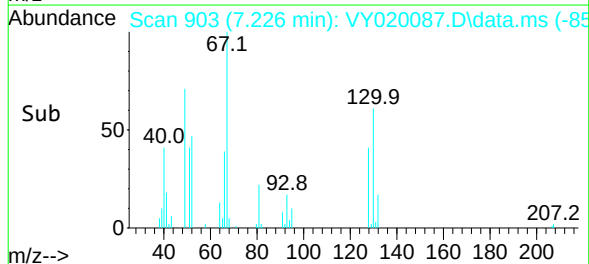
Acq: 31 Oct 2024 12:21



Tgt Ion:	41	Resp:	18617
Ion	Ratio	Lower	Upper
41	100		
39	69.5	48.0	72.0
67	91.2	75.1	112.7
52	44.5	29.8	44.6

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#42

1,2-Dichloroethane

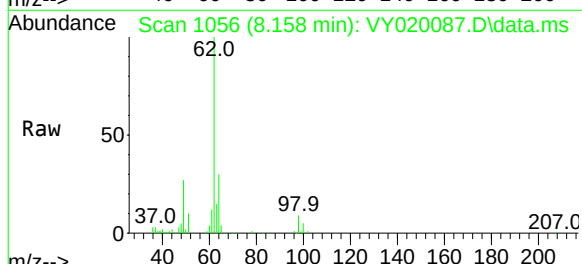
Concen: 21.299 ug/l

RT: 8.158 min Scan# 1056

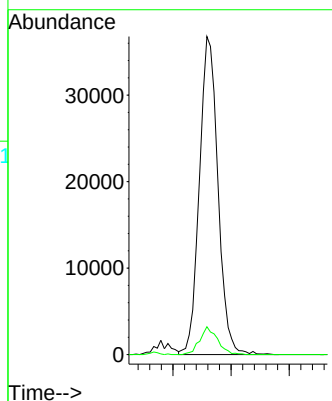
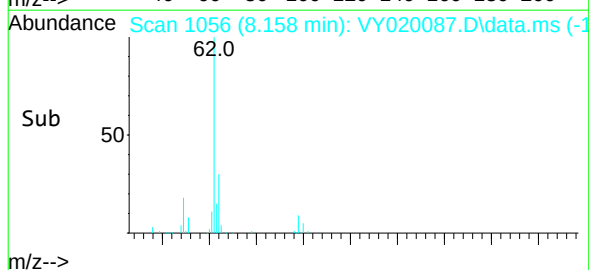
Delta R.T. 0.000 min

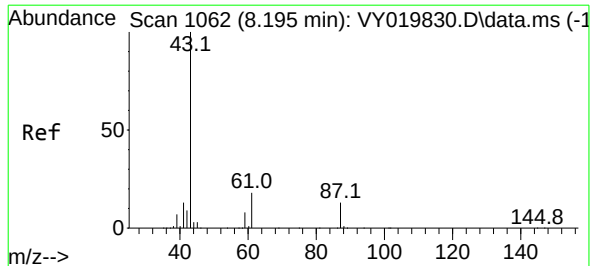
Lab File: VY020087.D

Acq: 31 Oct 2024 12:21



Tgt Ion:	62	Resp:	81676
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	22.0





#43

Isopropyl Acetate

Concen: 18.866 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

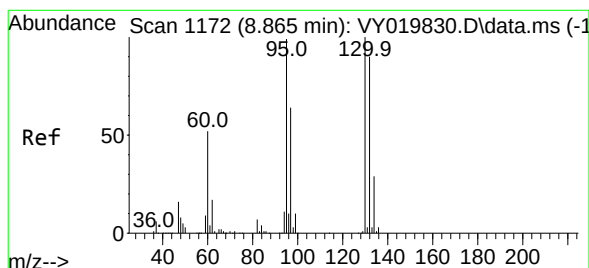
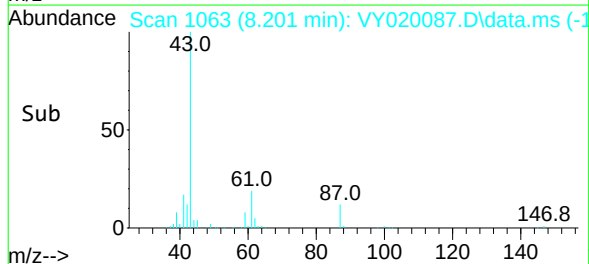
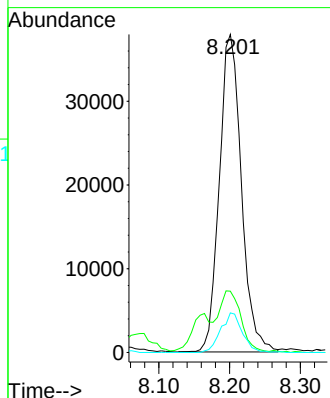
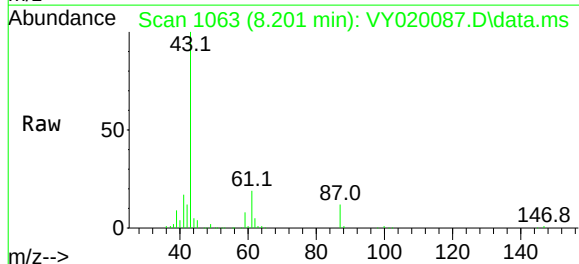
Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:	43	Resp:	82095
Ion	Ratio	Lower	Upper
43	100		
61	18.6	27.9	41.9
87	12.3	13.1	19.7

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

#44

Trichloroethene

Concen: 20.889 ug/l

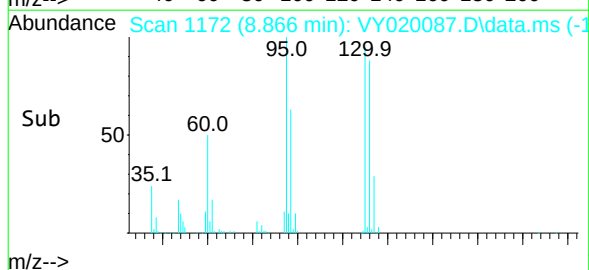
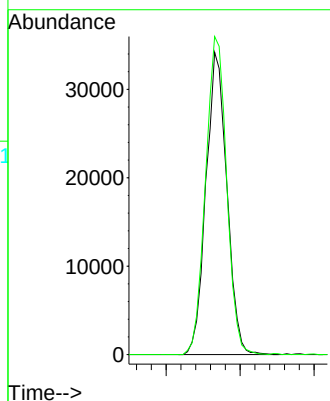
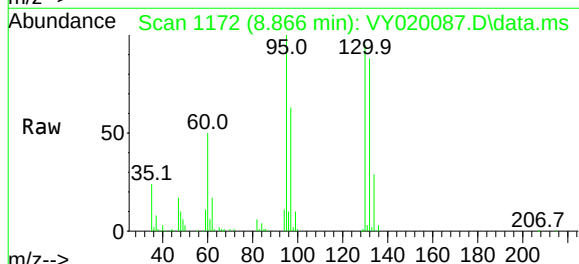
RT: 8.866 min Scan# 1172

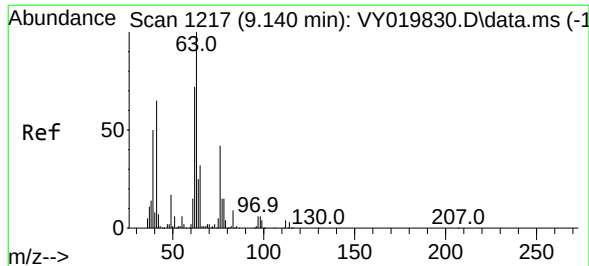
Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	130	Resp:	67071
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	188.0





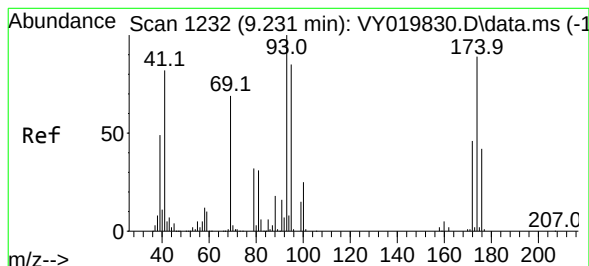
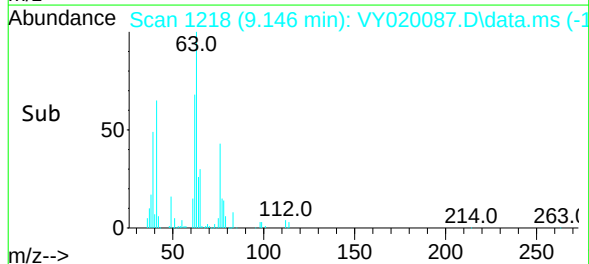
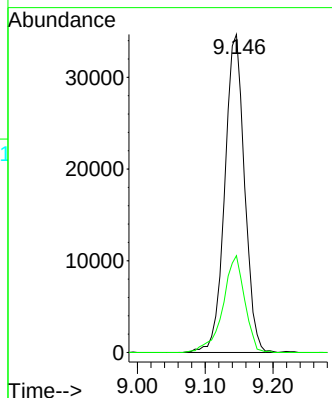
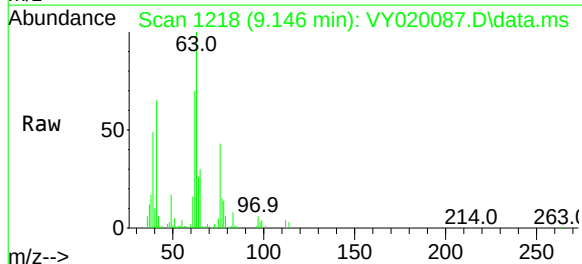
#45
1,2-Dichloropropane
Concen: 21.162 ug/l
RT: 9.146 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01

Tgt Ion: 63 Resp: 70142
Ion Ratio Lower Upper
63 100
65 30.4 25.4 38.2

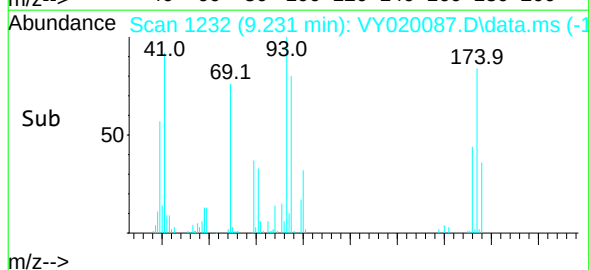
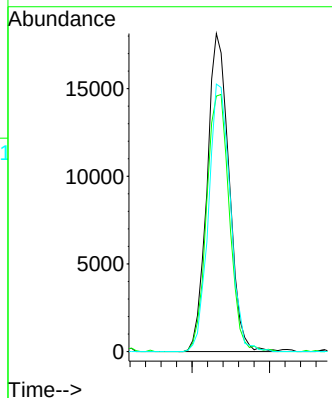
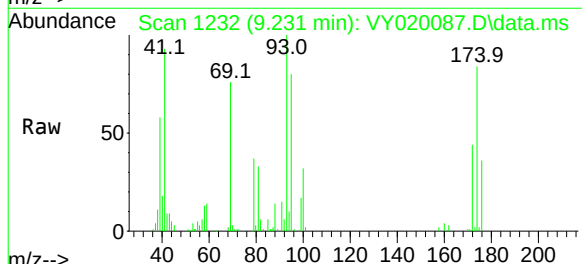
Manual Integrations
APPROVED

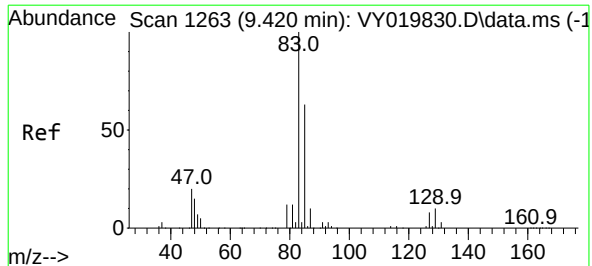
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#46
Dibromomethane
Concen: 19.894 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

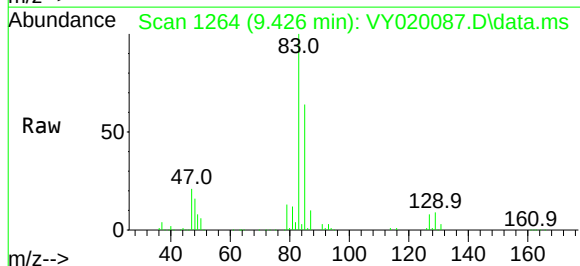
Tgt Ion: 93 Resp: 35729
Ion Ratio Lower Upper
93 100
95 83.7 66.2 99.4
174 83.5 80.9 121.3





#47
Bromodichloromethane
Concen: 21.267 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

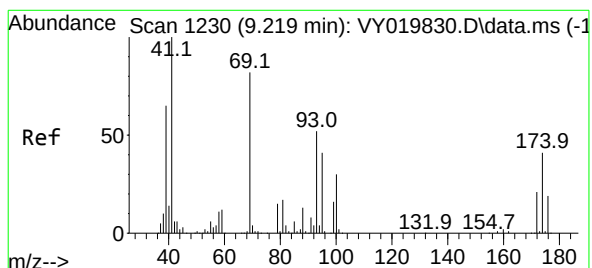
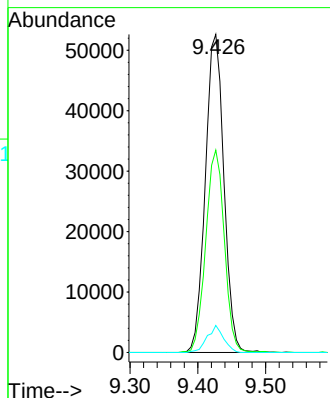
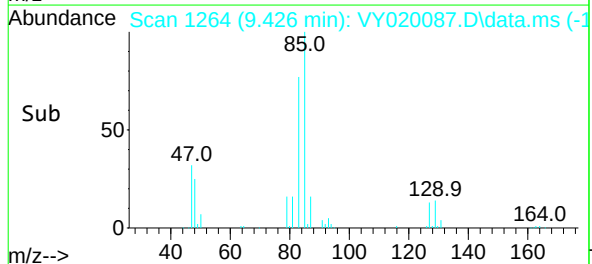
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01



Tgt Ion: 83 Resp: 100056
Ion Ratio Lower Upper
83 100
85 63.6 50.1 75.1
127 8.5 7.4 11.0

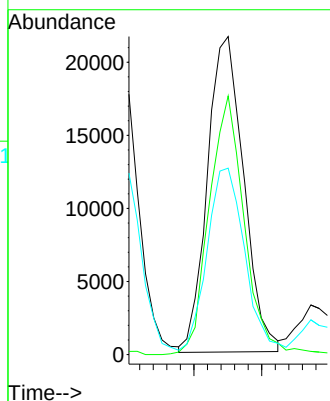
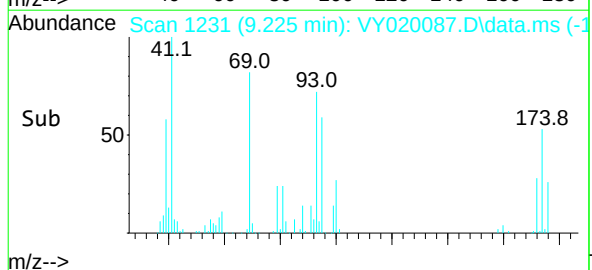
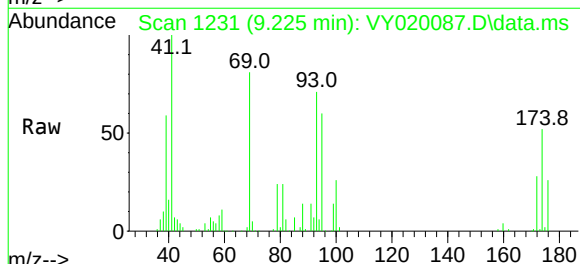
Manual Integrations
APPROVED

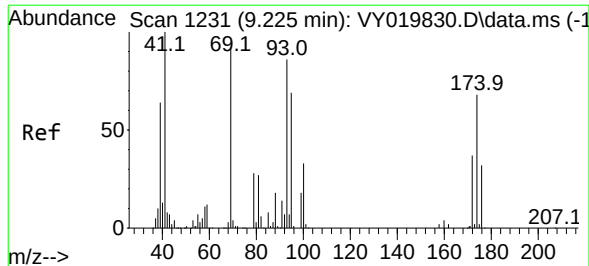
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#48
Methyl methacrylate
Concen: 19.934 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

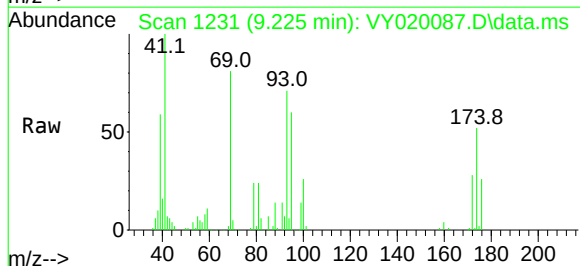
Tgt Ion: 41 Resp: 40177
Ion Ratio Lower Upper
41 100
69 79.4 84.1 126.1#
39 59.4 43.6 65.4





#49
1,4-Dioxane
Concen: 365.063 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

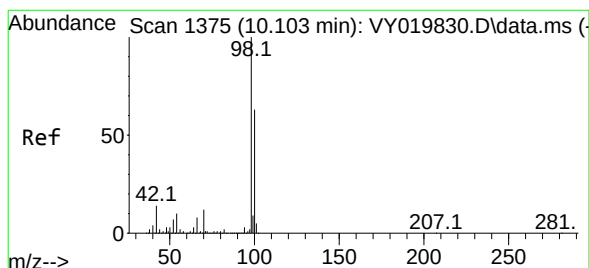
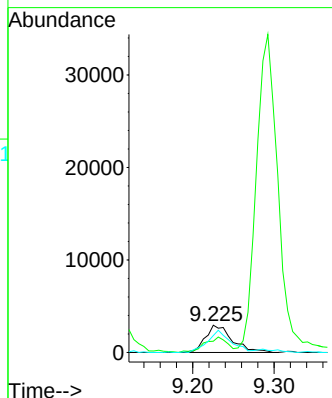
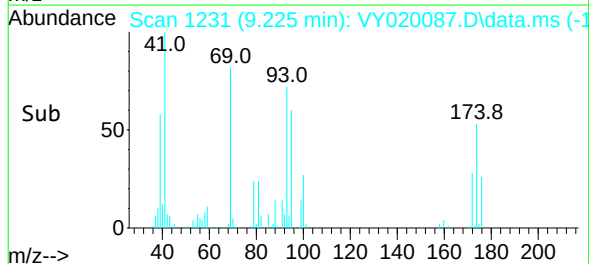
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01



Tgt Ion: 88 Resp: 6750
Ion Ratio Lower Upper
88 100
43 47.2 0.0 0.0#
58 70.7 49.3 73.9

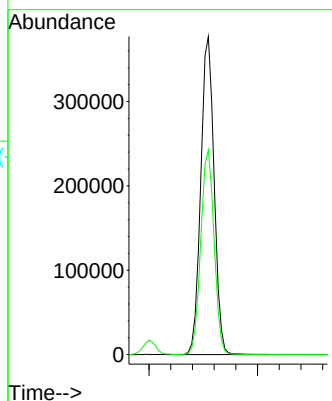
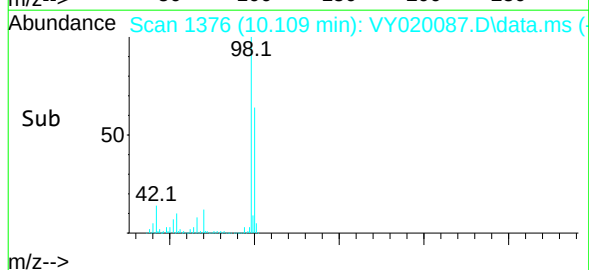
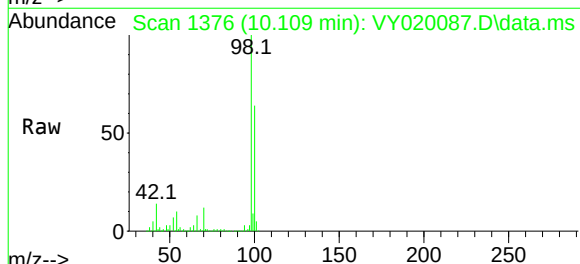
Manual Integrations
APPROVED

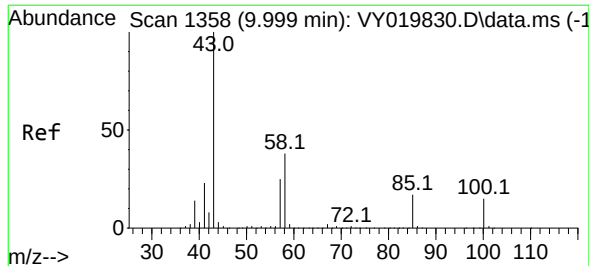
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#50
Toluene-d8
Concen: 52.653 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

Tgt Ion: 98 Resp: 643935
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 95.216 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion: 43 Resp: 213487

Ion Ratio Lower Upper

43 100

58 36.9 35.7 53.5

Instrument :

MSVOA_Y

ClientSampleId :

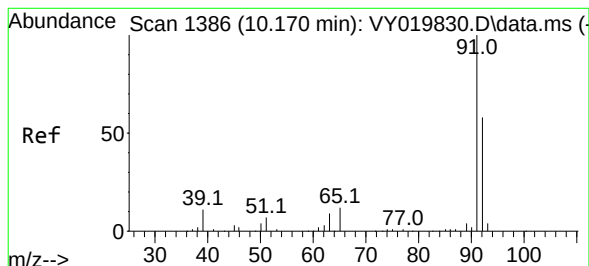
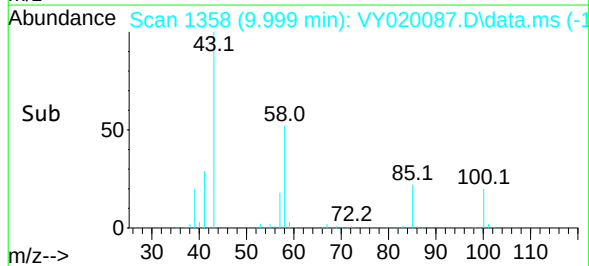
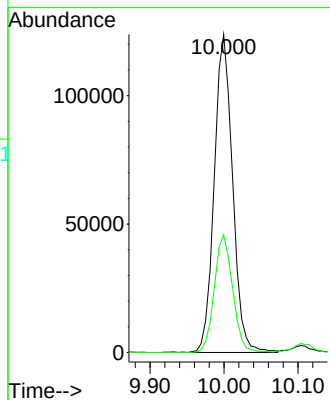
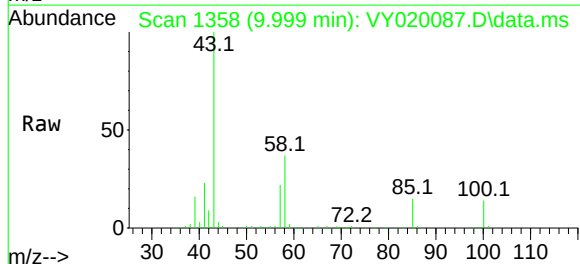
VY1031SBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#52

Toluene

Concen: 20.997 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020087.D

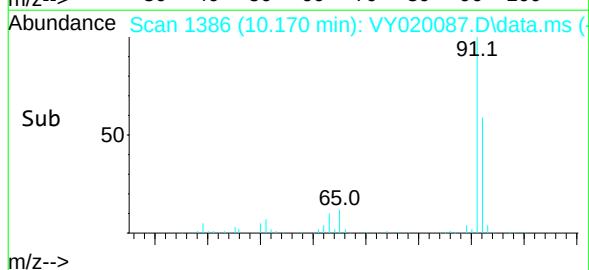
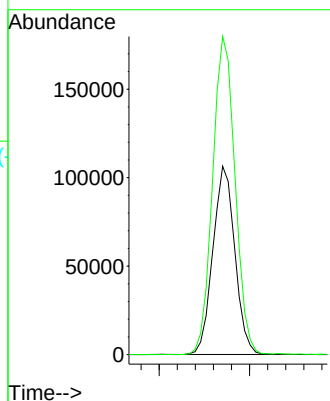
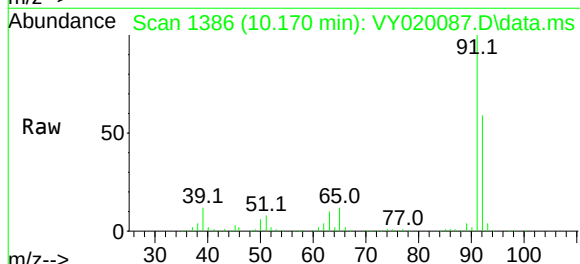
Acq: 31 Oct 2024 12:21

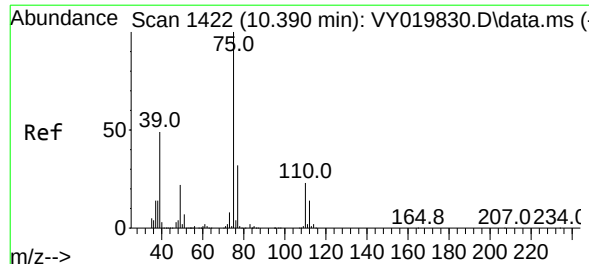
Tgt Ion: 92 Resp: 179306

Ion Ratio Lower Upper

92 100

91 172.7 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 19.704 ug/l

RT: 10.396 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 75 Resp: 81863

Ion Ratio Lower Upper

75 100

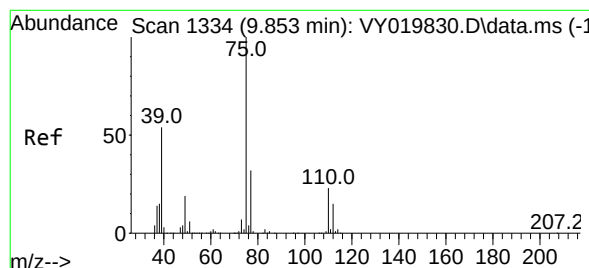
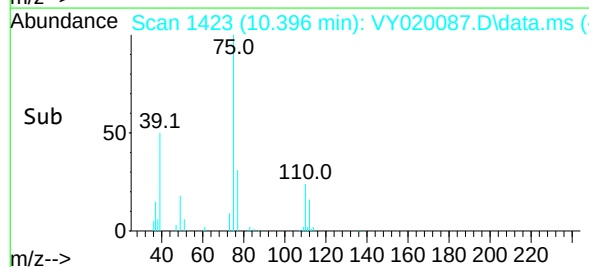
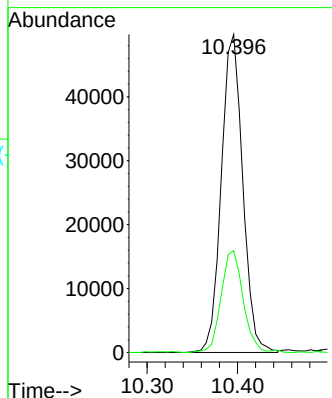
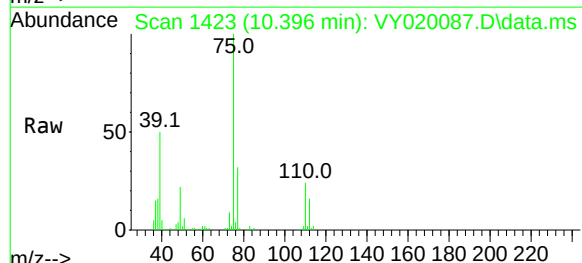
77 31.9 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#54

cis-1,3-Dichloropropene

Concen: 20.864 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

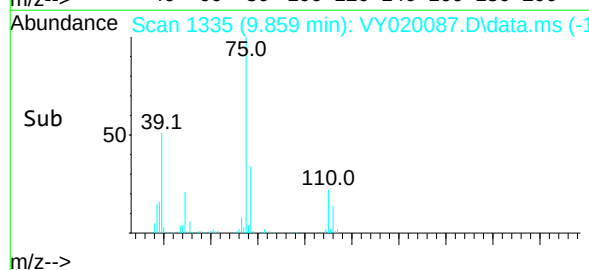
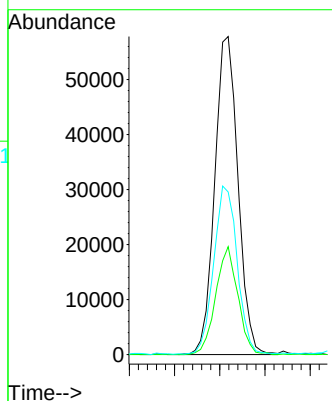
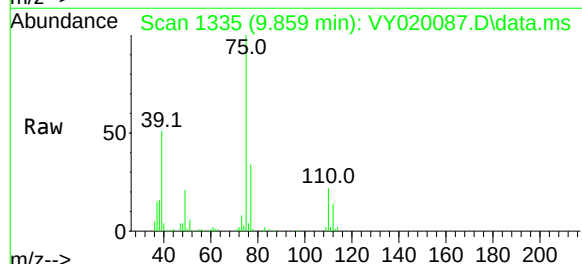
Tgt Ion: 75 Resp: 103464

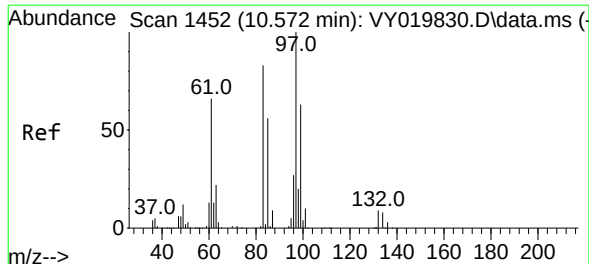
Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.0

39 50.9 29.8 44.6#





#55

1,1,2-Trichloroethane

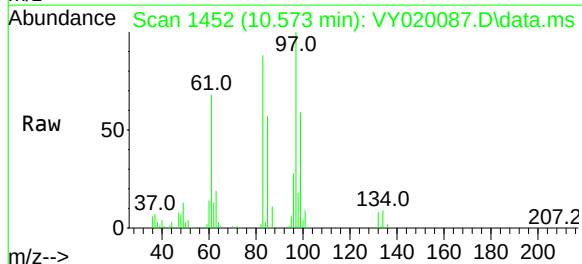
Concen: 21.020 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020087.D

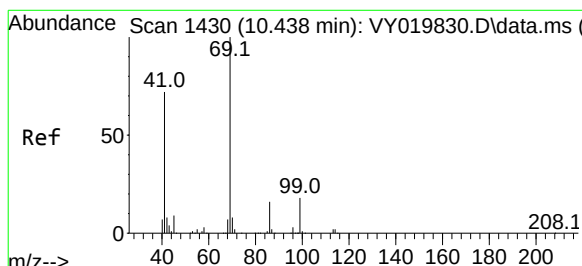
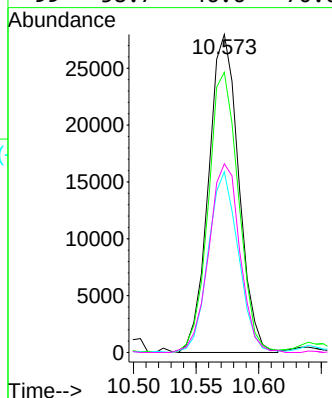
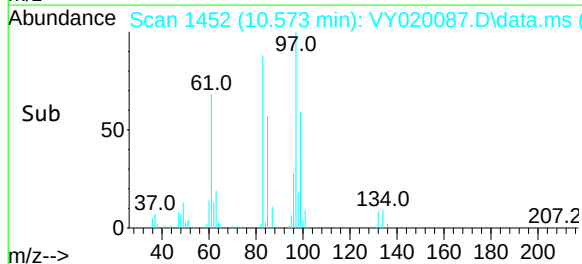
Acq: 31 Oct 2024 12:21



Tgt Ion:	97	Resp:	46938
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.5	101.3
85	56.3	42.9	64.3
99	58.7	46.6	70.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#56

Ethyl methacrylate

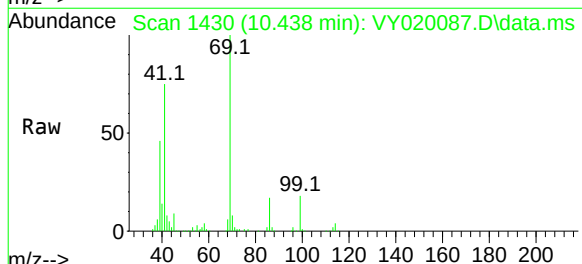
Concen: 19.892 ug/l

RT: 10.438 min Scan# 1430

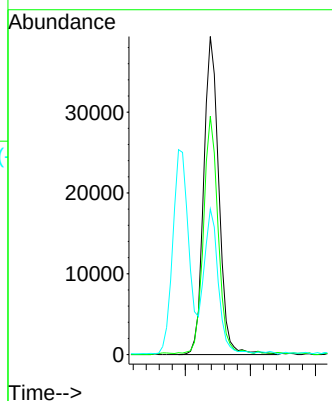
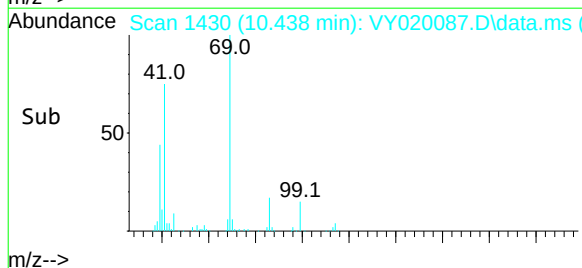
Delta R.T. 0.000 min

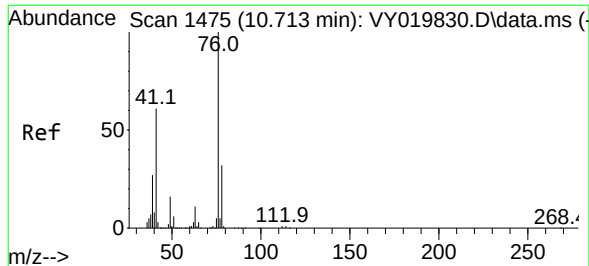
Lab File: VY020087.D

Acq: 31 Oct 2024 12:21



Tgt Ion:	69	Resp:	63717
Ion	Ratio	Lower	Upper
69	100		
41	71.7	42.3	63.5#
39	41.3	22.9	34.3#





#57

1,3-Dichloropropane

Concen: 20.484 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 76 Resp: 83765

Ion Ratio Lower Upper

76 100

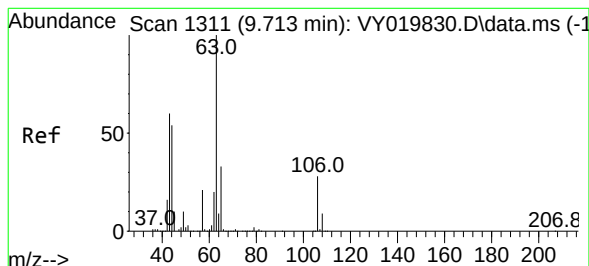
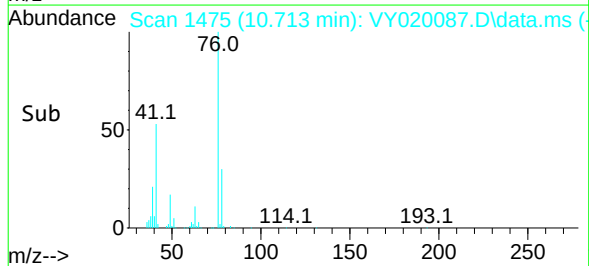
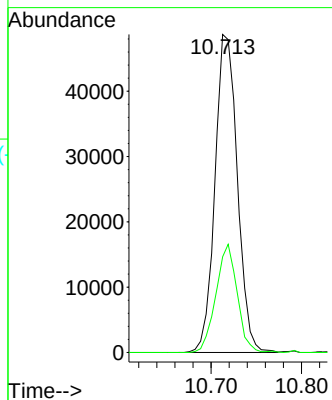
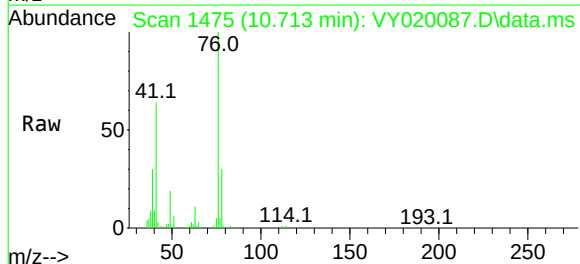
78 32.4 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#58

2-Chloroethyl Vinyl ether

Concen: 96.170 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY020087.D

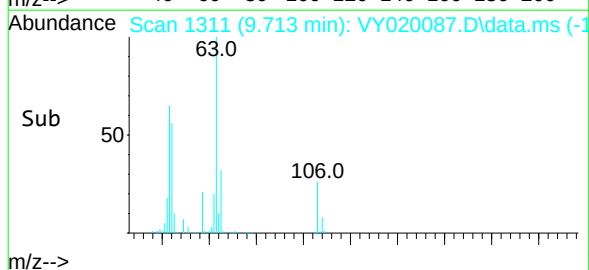
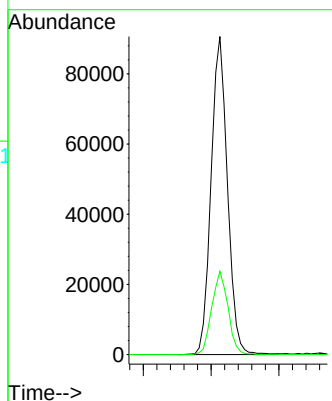
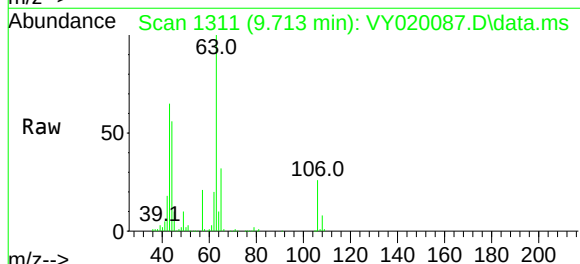
Acq: 31 Oct 2024 12:21

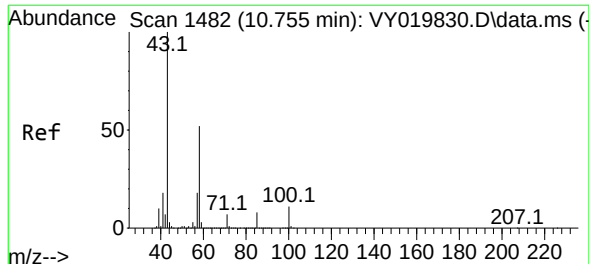
Tgt Ion: 63 Resp: 151917

Ion Ratio Lower Upper

63 100

106 26.0 23.7 35.5





#59

2-Hexanone

Concen: 90.694 ug/l

RT: 10.762 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 43 Resp: 145785

Ion Ratio Lower Upper

43 100

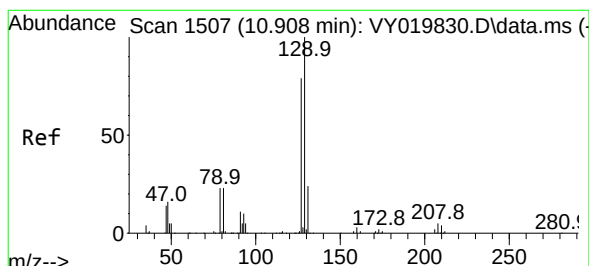
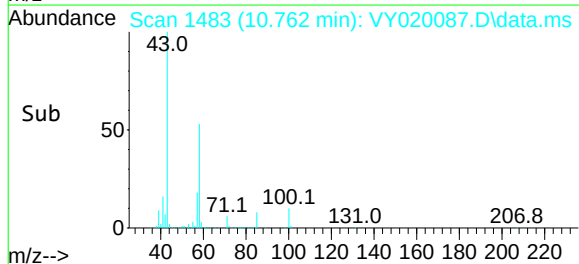
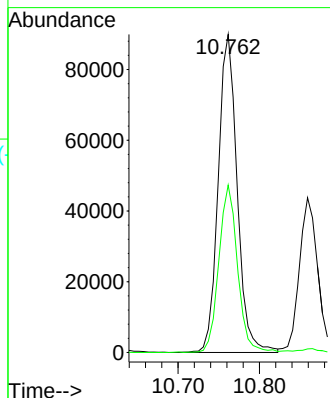
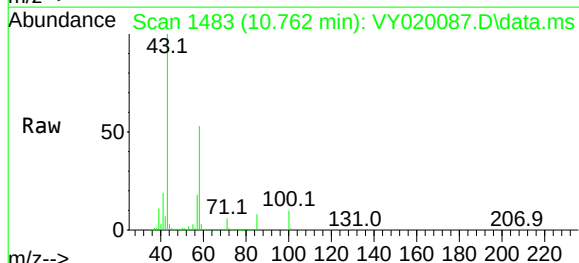
58 51.9 31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#60

Dibromochloromethane

Concen: 20.293 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.006 min

Lab File: VY020087.D

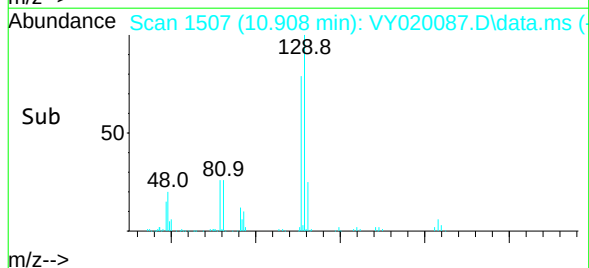
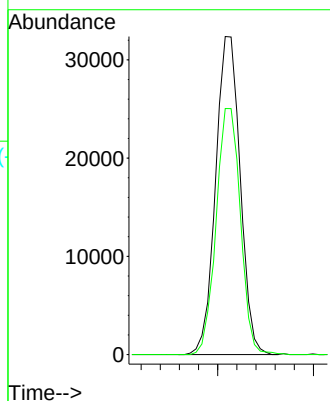
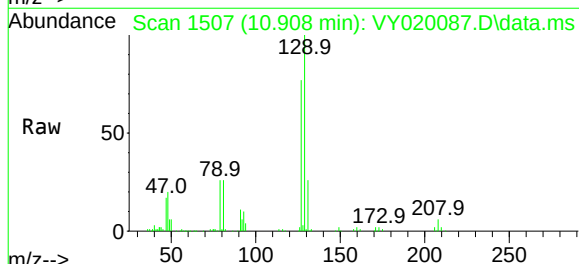
Acq: 31 Oct 2024 12:21

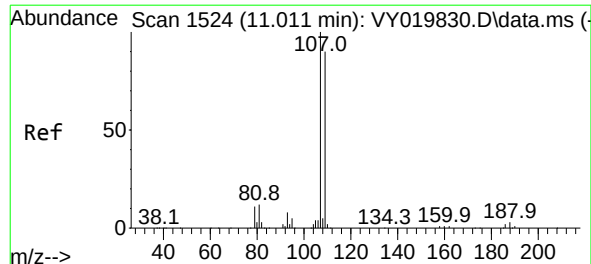
Tgt Ion:129 Resp: 57763

Ion Ratio Lower Upper

129 100

127 76.3 39.0 117.0





#61

1,2-Dibromoethane

Concen: 20.267 ug/l

RT: 11.012 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion: 107 Resp: 42046

Ion Ratio Lower Upper

107 100

109 92.6 75.9 113.9

Instrument :

MSVOA_Y

ClientSampleId :

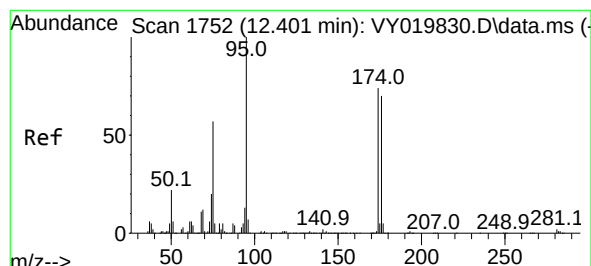
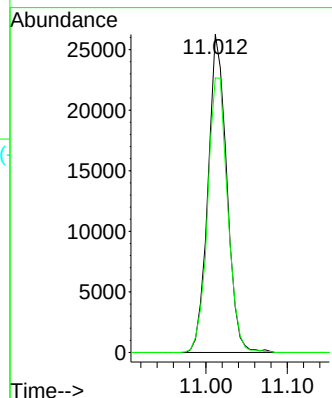
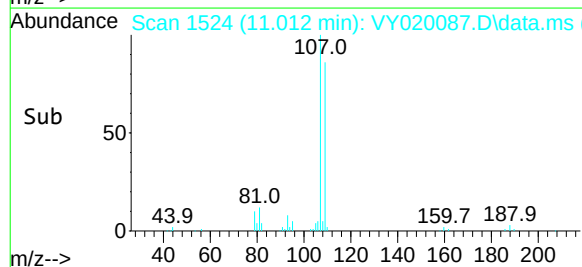
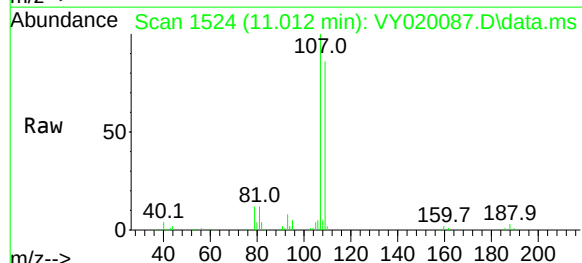
VY1031SBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#62

4-Bromofluorobenzene

Concen: 52.192 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

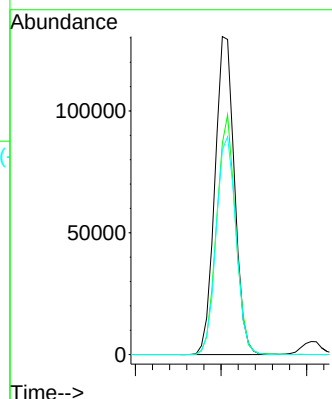
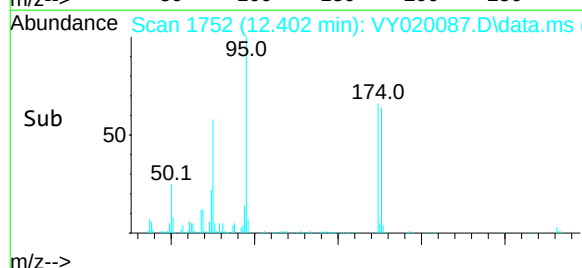
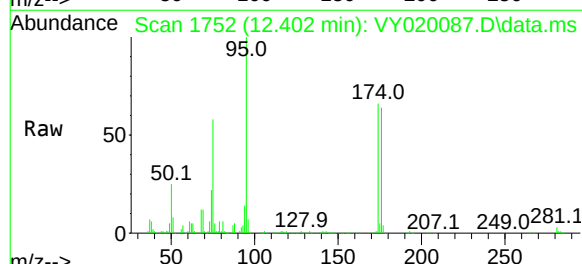
Tgt Ion: 95 Resp: 207327

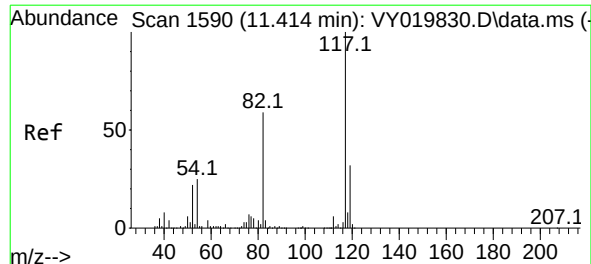
Ion Ratio Lower Upper

95 100

174 72.7 0.0 175.6

176 69.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:117 Resp: 414401

Ion Ratio Lower Upper

117 100

82 61.9 42.4 63.6

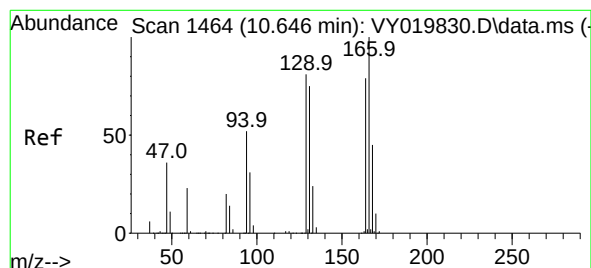
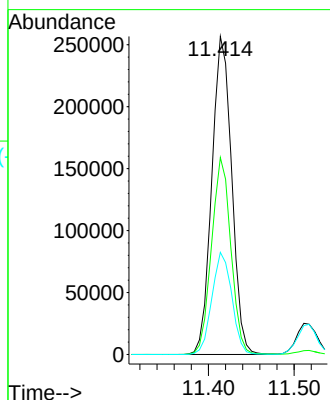
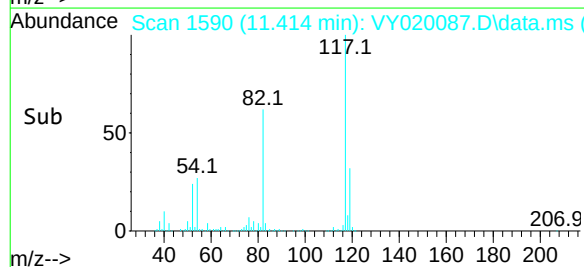
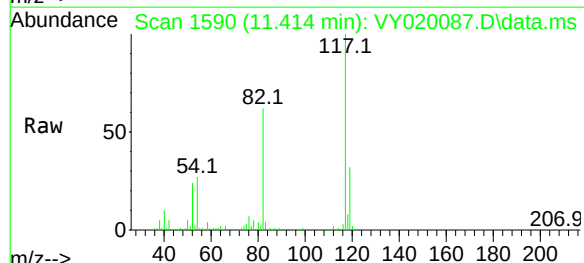
119 32.1 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#64

Tetrachloroethene

Concen: 20.460 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:164 Resp: 55983

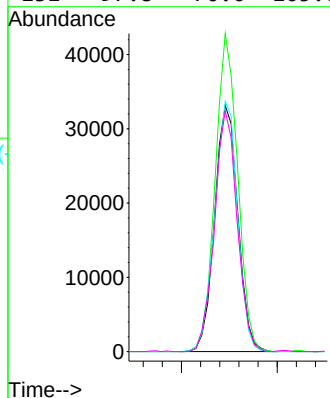
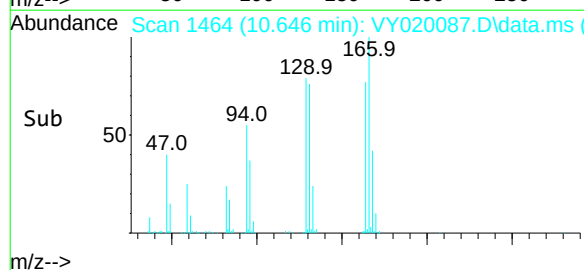
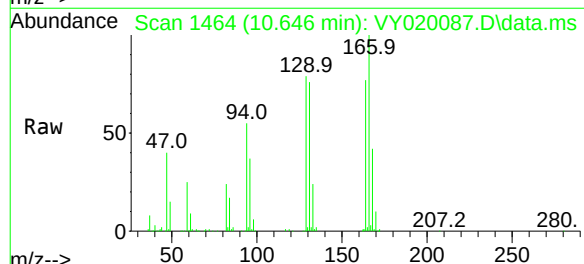
Ion Ratio Lower Upper

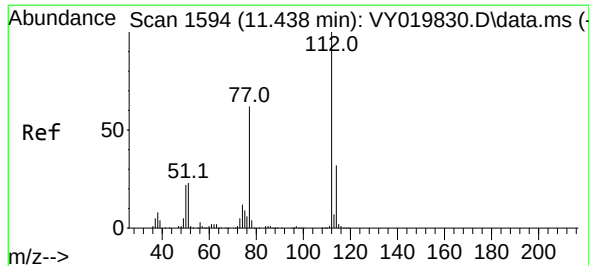
164 100

166 129.2 102.6 154.0

129 101.7 72.0 108.0

131 97.8 70.0 105.0





#65

Chlorobenzene

Concen: 21.204 ug/l

RT: 11.444 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:112 Resp: 187236

Ion Ratio Lower Upper

112 100

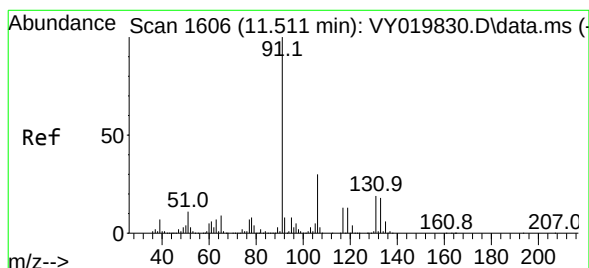
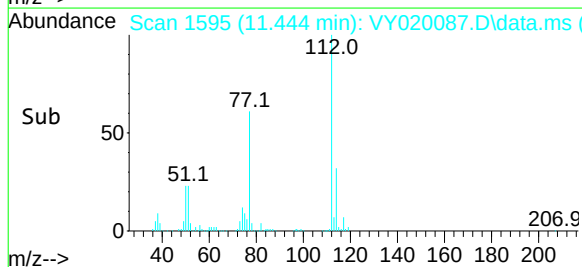
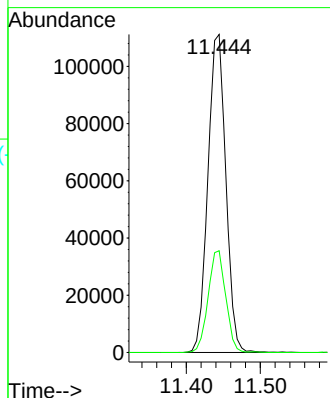
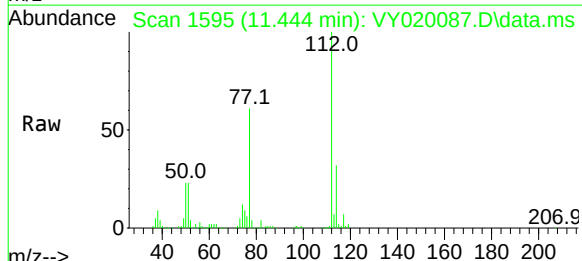
114 32.0 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 20.703 ug/l

RT: 11.511 min Scan# 1606

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

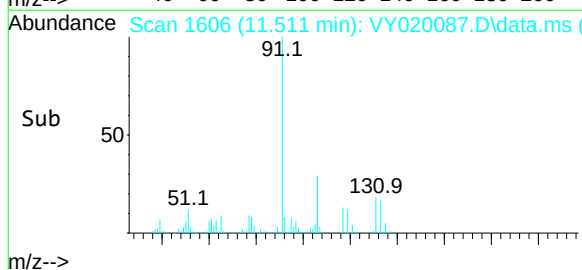
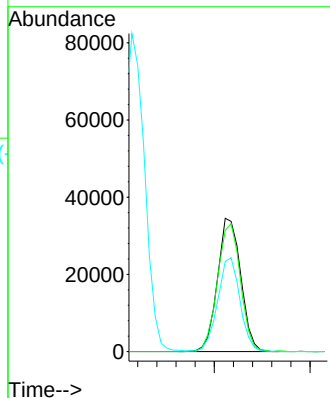
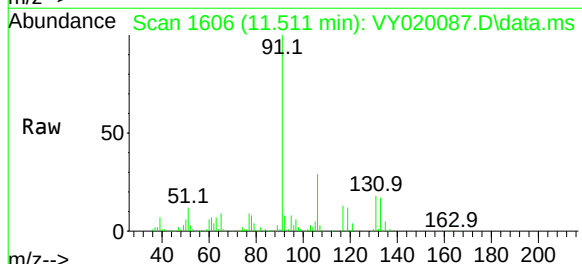
Tgt Ion:131 Resp: 58406

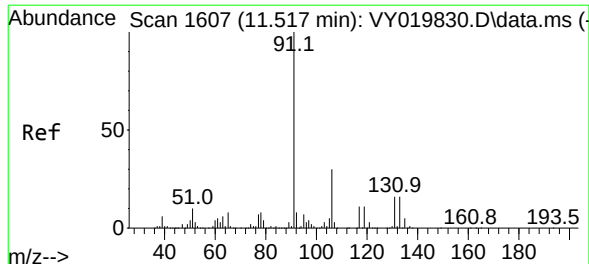
Ion Ratio Lower Upper

131 100

133 94.9 47.8 143.3

119 67.4 34.1 102.2





#67

Ethyl Benzene

Concen: 21.181 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 91 Resp: 349618

Ion Ratio Lower Upper

91 100

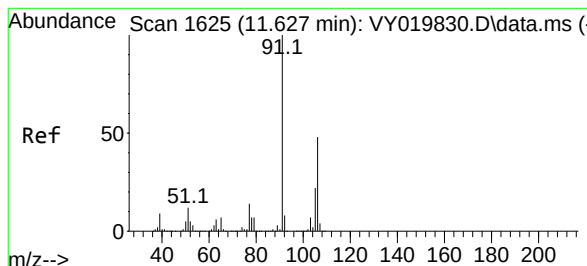
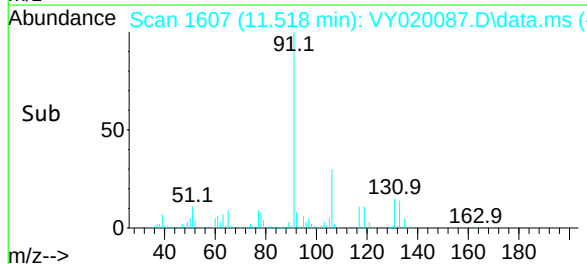
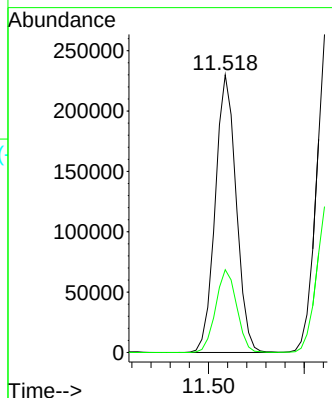
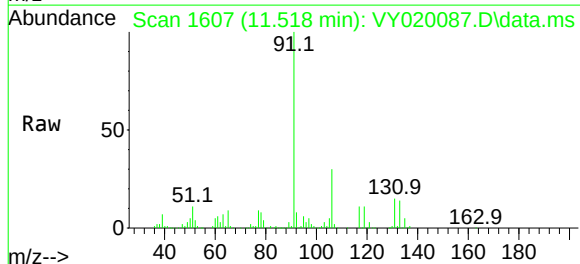
106 29.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#68

m/p-Xylenes

Concen: 42.824 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020087.D

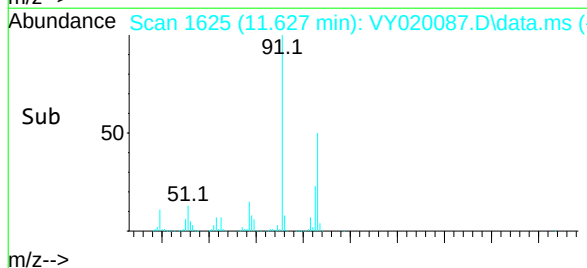
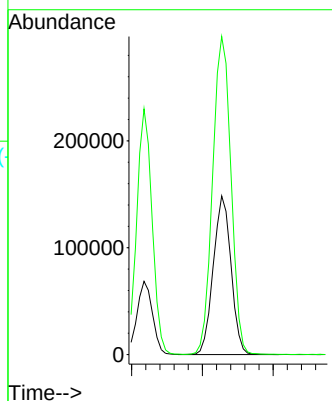
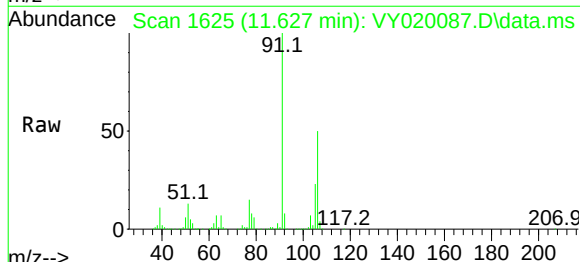
Acq: 31 Oct 2024 12:21

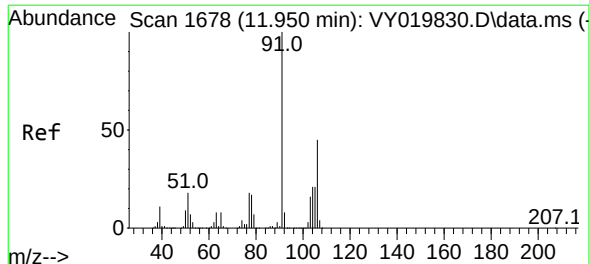
Tgt Ion:106 Resp: 258610

Ion Ratio Lower Upper

106 100

91 207.3 156.0 234.0





#69

o-Xylene

Concen: 21.339 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:106 Resp: 122003

Ion Ratio Lower Upper

106 100

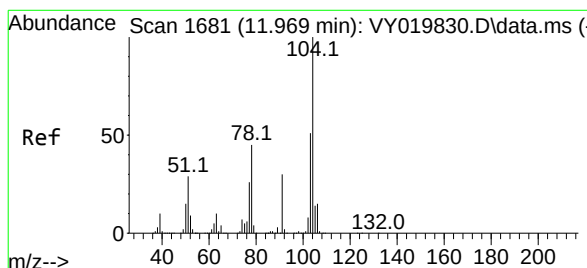
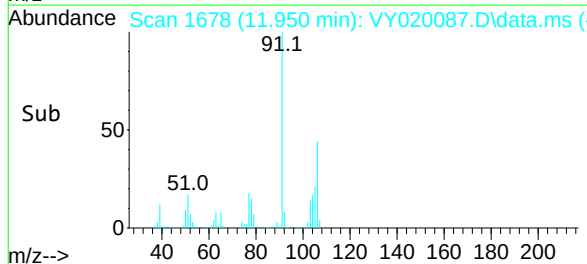
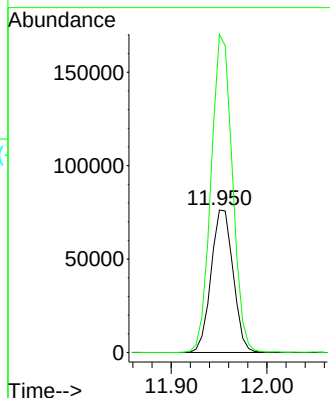
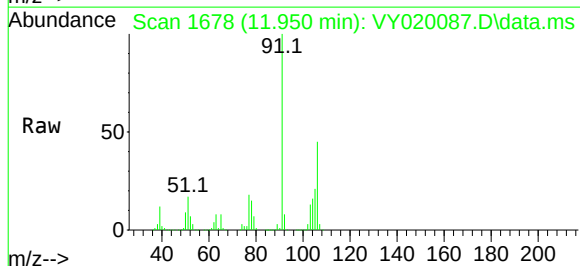
91 217.0 103.6 310.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#70

Styrene

Concen: 21.370 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

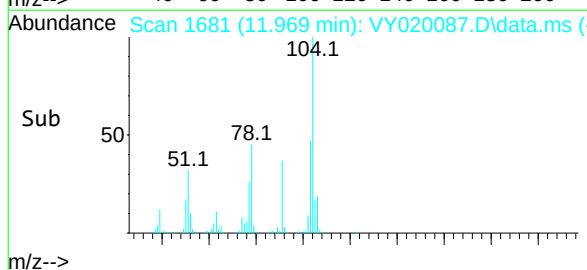
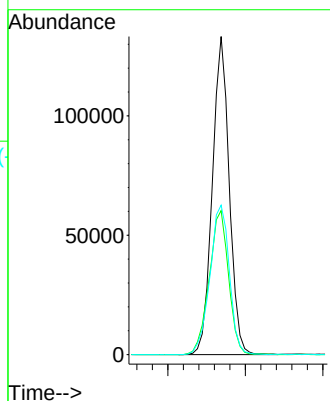
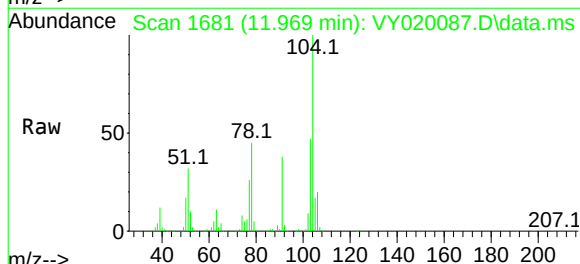
Tgt Ion:104 Resp: 202016

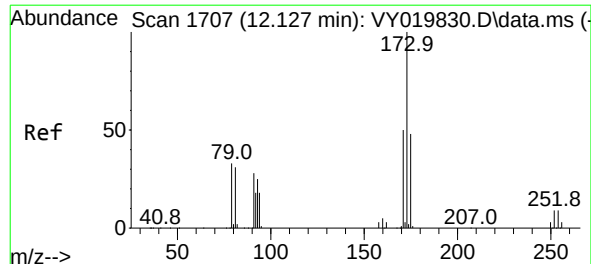
Ion Ratio Lower Upper

104 100

78 51.9 37.0 55.4

103 54.0 44.2 66.2





#71

Bromoform

Concen: 19.617 ug/l

RT: 12.127 min Scan# 1707

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

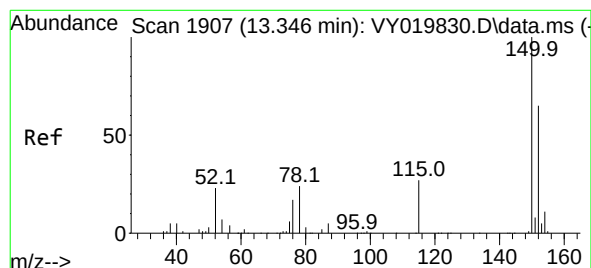
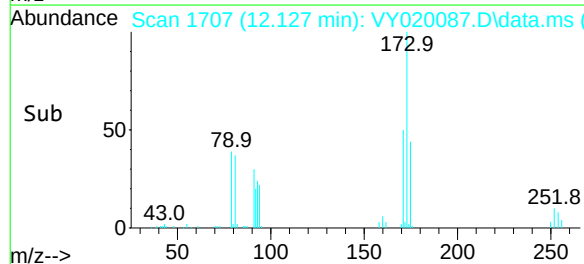
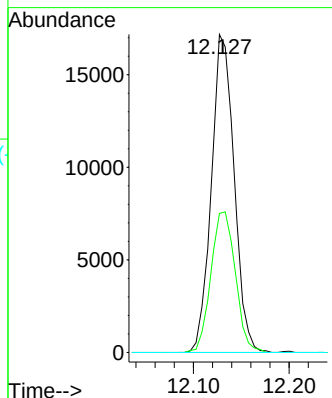
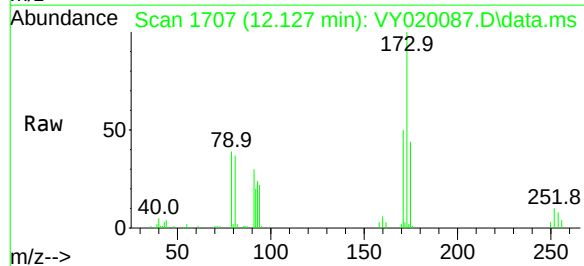
ClientSampleId :

VY1031SBS01

Tgt Ion:	173	Resp:	28391
Ion Ratio	Lower	Upper	
173	100		
175	47.5	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

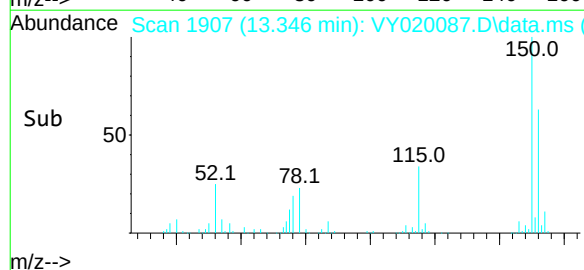
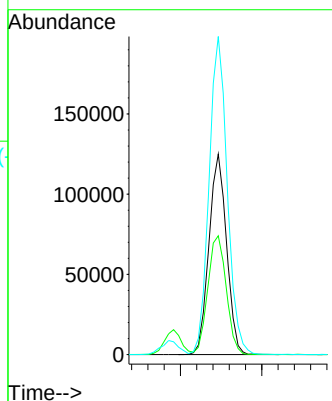
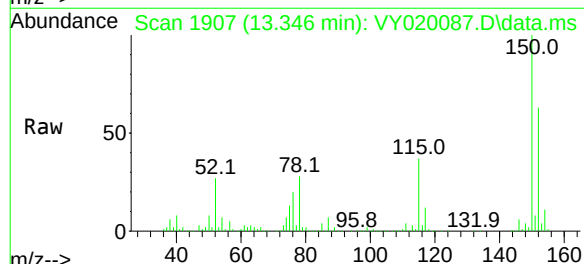
RT: 13.346 min Scan# 1907

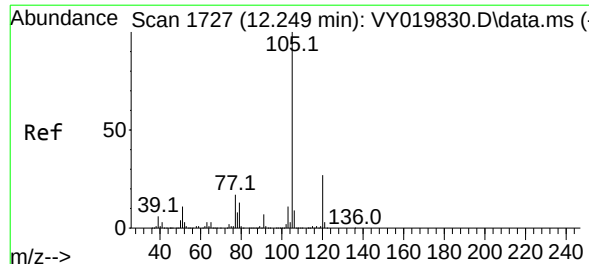
Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	152	Resp:	187853
Ion Ratio	Lower	Upper	
152	100		
115	61.9	28.2	84.7
150	163.8	0.0	345.6





#73

Isopropylbenzene

Concen: 21.289 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 105 Resp: 319480

Ion Ratio Lower Upper

105 100

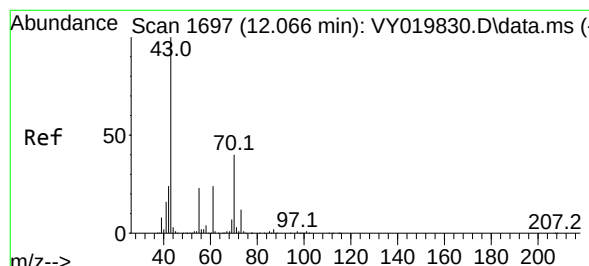
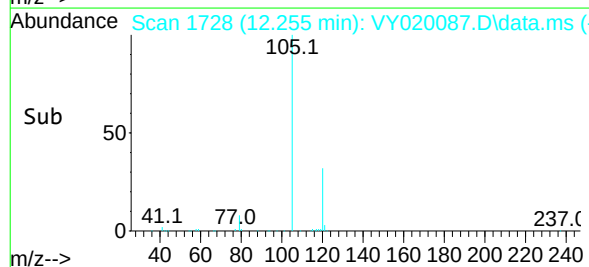
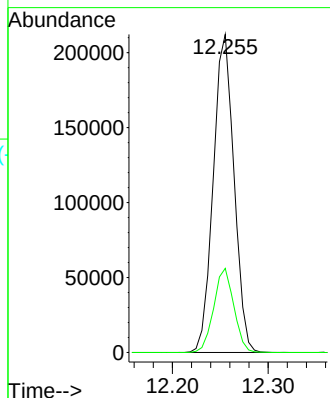
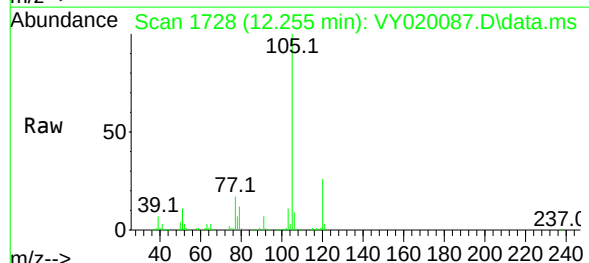
120 25.6 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#74

N-ethyl acetate

Concen: 19.237 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion: 43 Resp: 72161

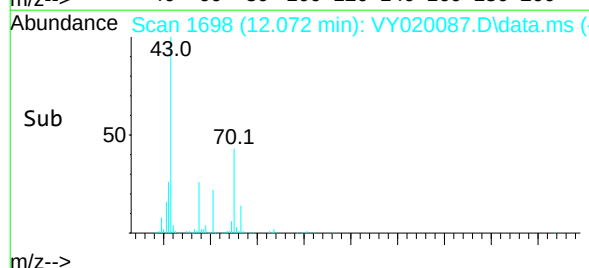
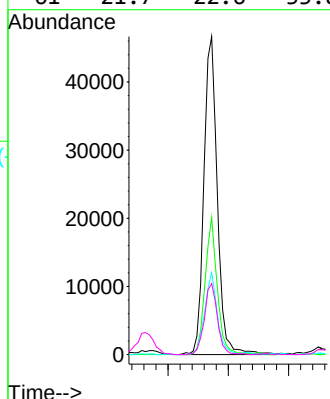
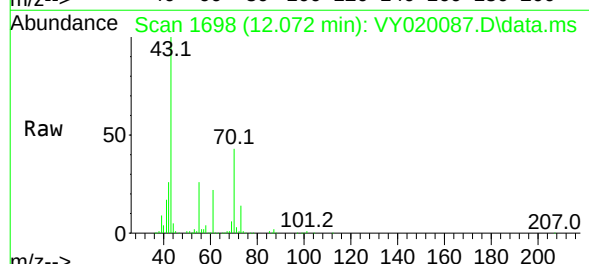
Ion Ratio Lower Upper

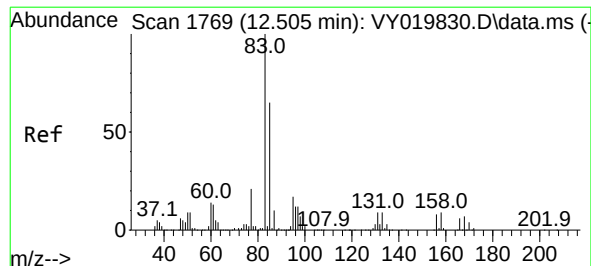
43 100

70 38.8 41.4 62.2#

55 24.4 23.3 34.9

61 21.7 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.740 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

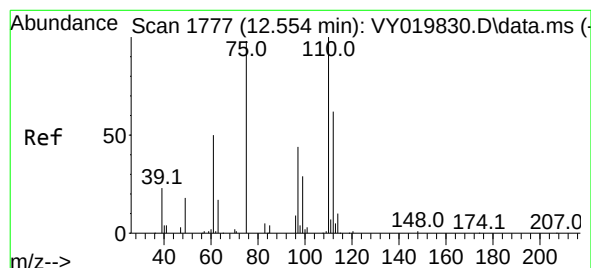
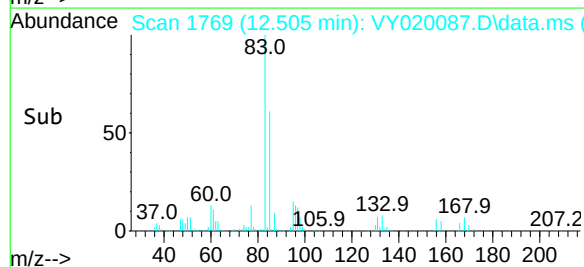
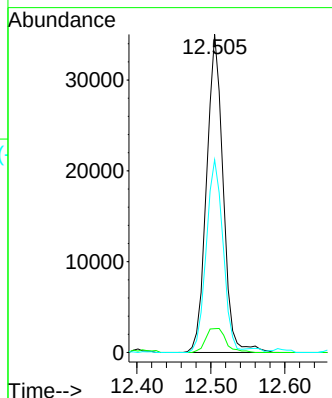
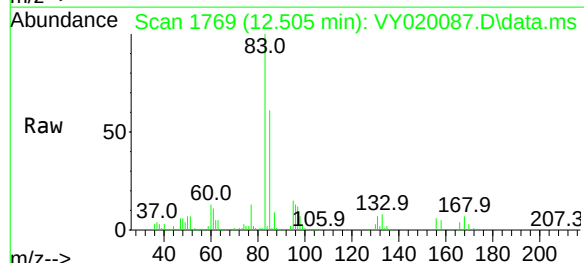
ClientSampleId :

VY1031SBS01

Tgt Ion:	83	Resp:	54431
Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	61.4	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#76

1,2,3-Trichloropropane

Concen: 21.568 ug/l m

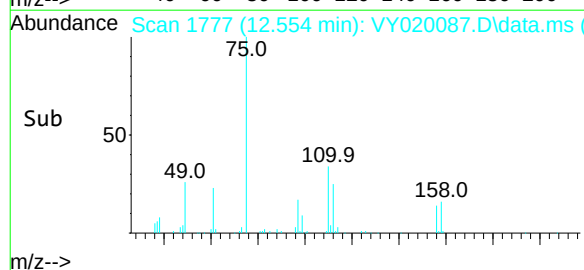
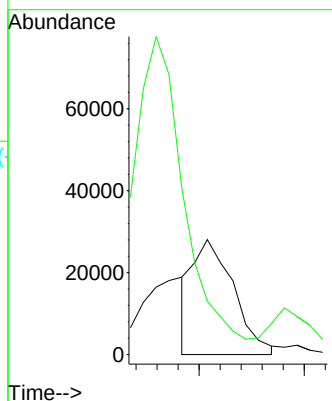
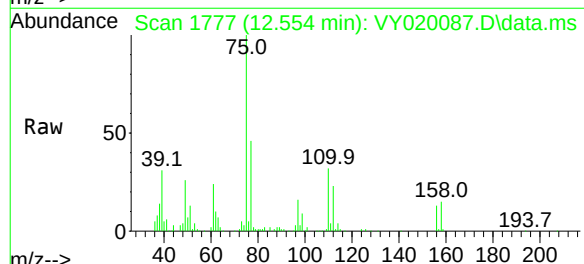
RT: 12.554 min Scan# 1777

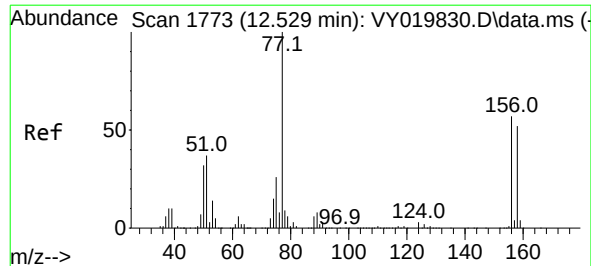
Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	75	Resp:	37979
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.376 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

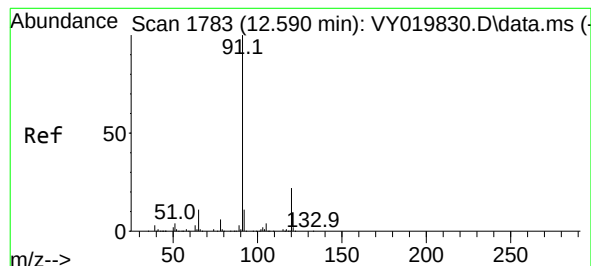
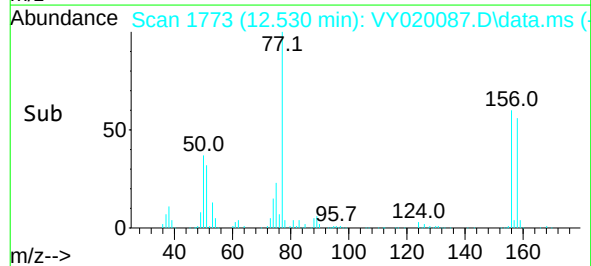
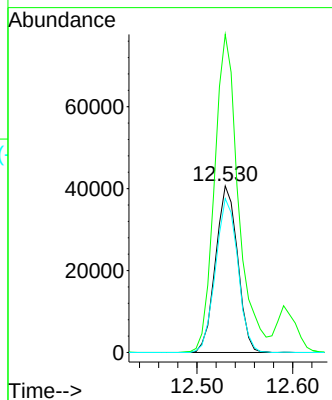
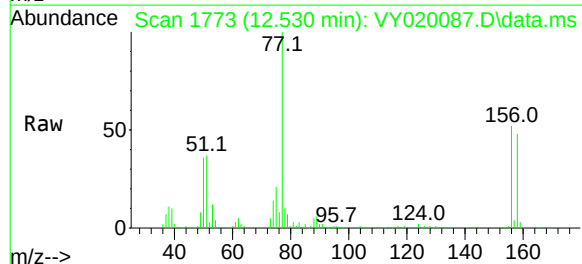
ClientSampleId :

VY1031SBS01

Tgt Ion:	156	Resp:	64874
Ion Ratio	Lower	Upper	
156	100		
77	206.9	87.1	261.3
158	94.0	48.6	145.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#78

n-propylbenzene

Concen: 21.516 ug/l

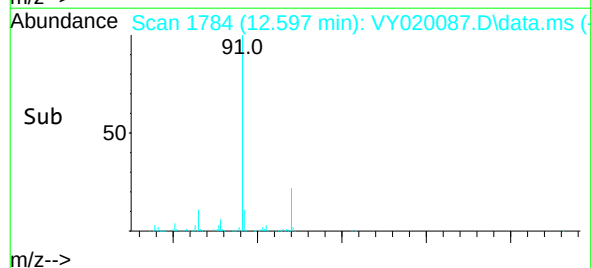
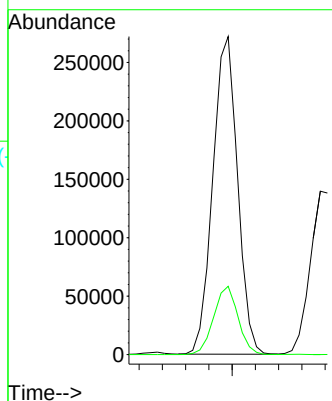
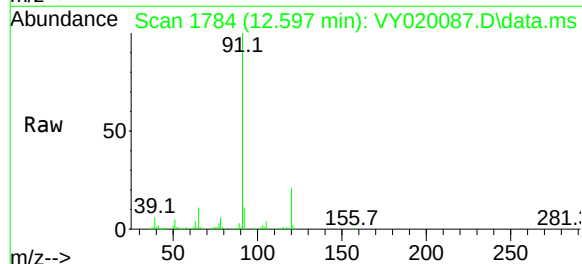
RT: 12.597 min Scan# 1784

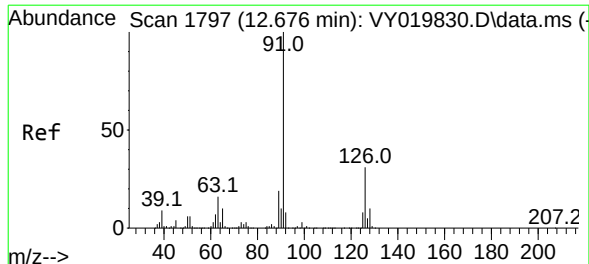
Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	91	Resp:	401852
Ion Ratio	Lower	Upper	
91	100		
120	21.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 21.266 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 91 Resp: 220472

Ion Ratio Lower Upper

91 100

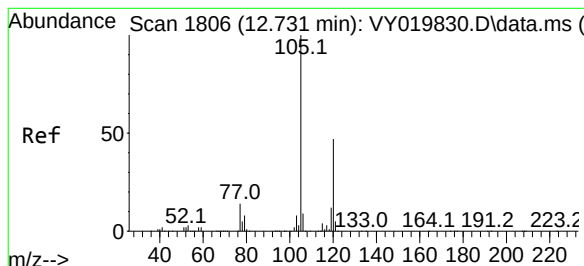
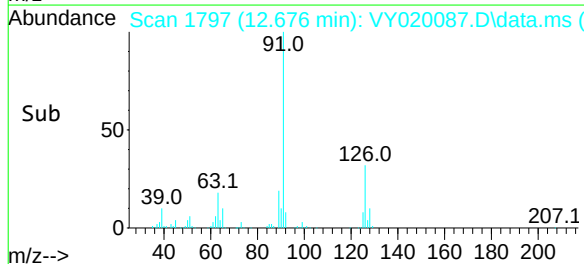
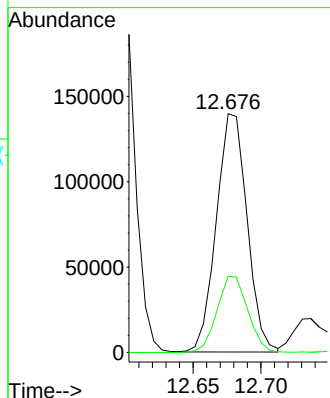
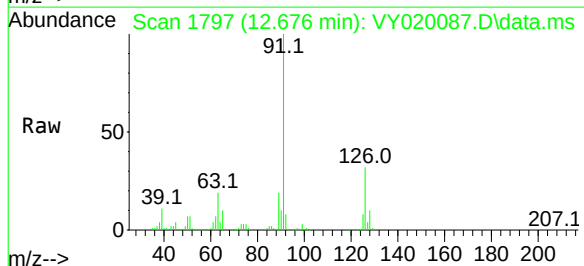
126 32.0 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#80

1,3,5-Trimethylbenzene

Concen: 21.723 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY020087.D

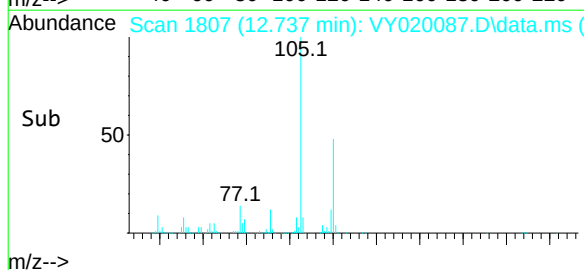
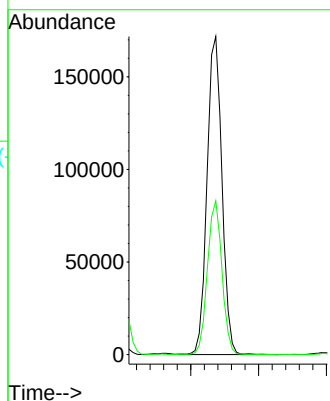
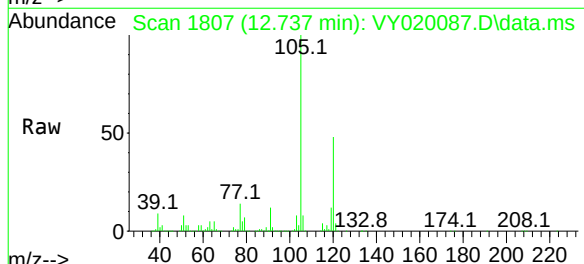
Acq: 31 Oct 2024 12:21

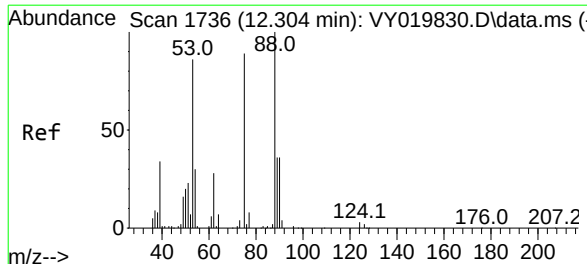
Tgt Ion:105 Resp: 261720

Ion Ratio Lower Upper

105 100

120 47.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.189 ug/l

RT: 12.304 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 75 Resp: 14891

Ion Ratio Lower Upper

75 100

53 103.0 66.8 100.2

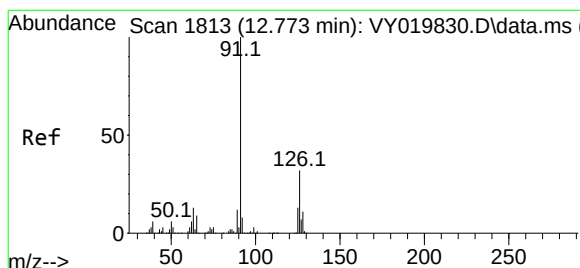
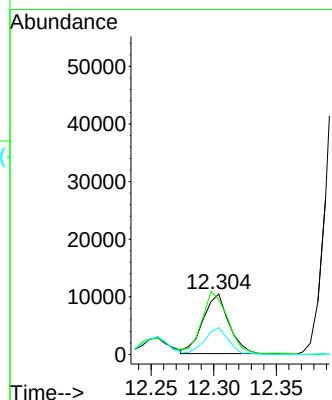
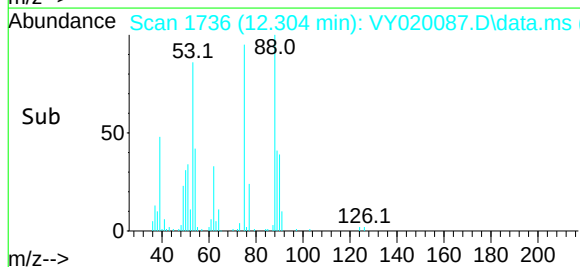
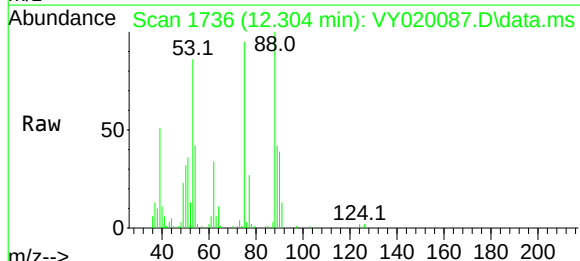
89 41.3 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#82

4-Chlorotoluene

Concen: 21.775 ug/l

RT: 12.779 min Scan# 1814

Delta R.T. 0.000 min

Lab File: VY020087.D

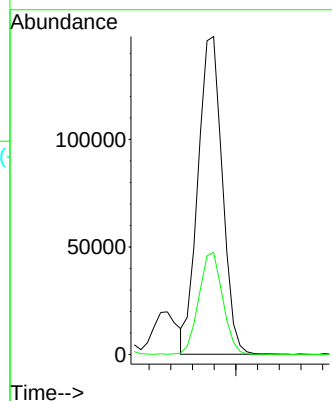
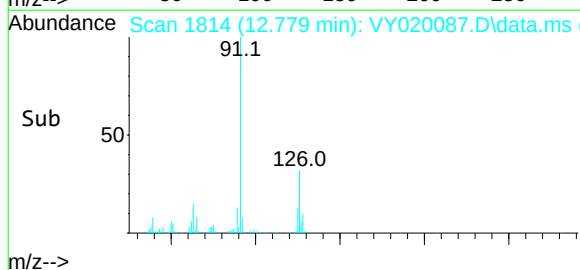
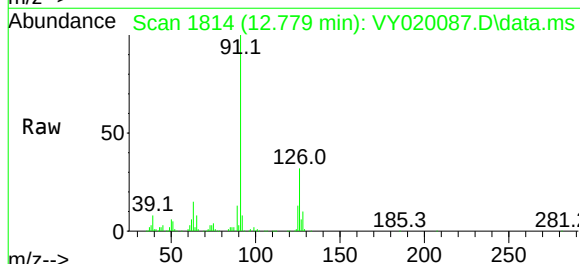
Acq: 31 Oct 2024 12:21

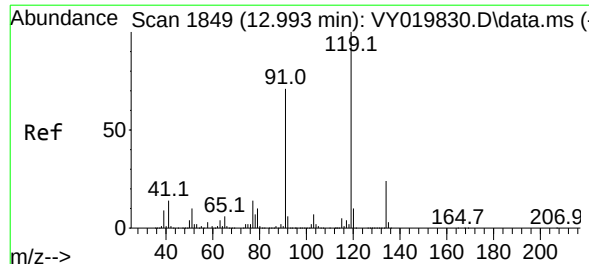
Tgt Ion: 91 Resp: 230166

Ion Ratio Lower Upper

91 100

126 31.7 17.6 52.9





#83

tert-Butylbenzene

Concen: 21.704 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:119 Resp: 228647

Ion Ratio Lower Upper

119 100

91 67.3 31.3 93.8

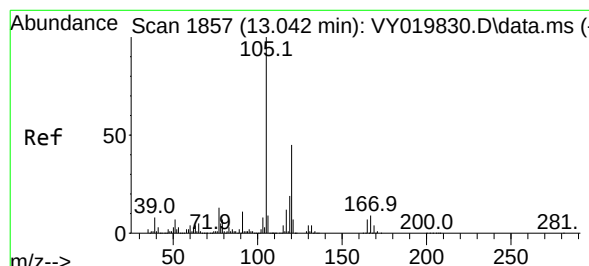
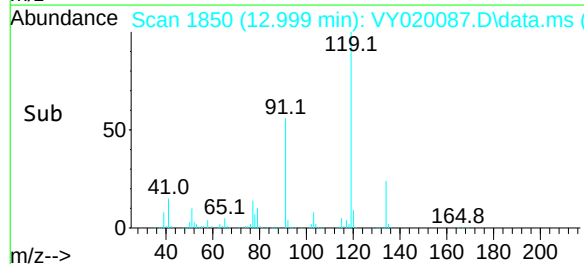
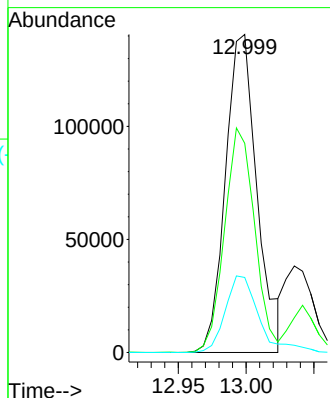
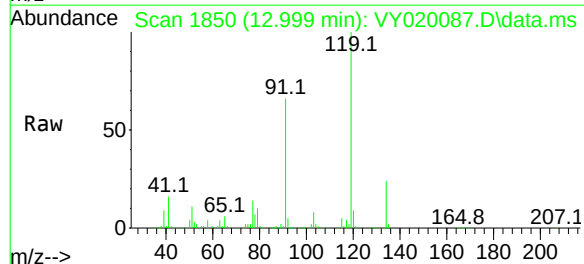
134 25.7 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#84

1,2,4-Trimethylbenzene

Concen: 21.251 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020087.D

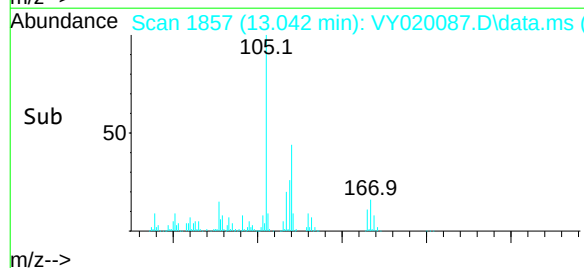
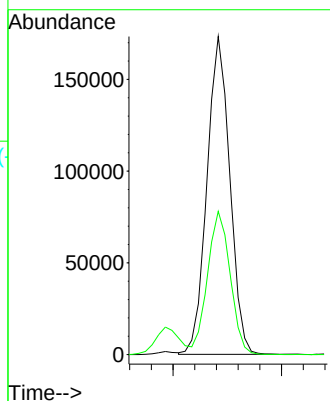
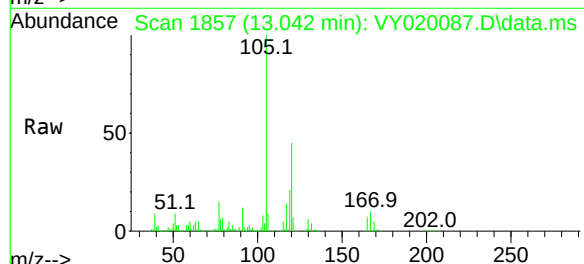
Acq: 31 Oct 2024 12:21

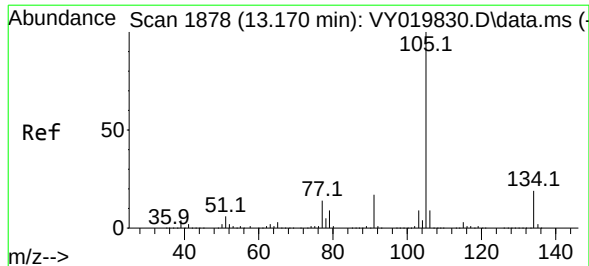
Tgt Ion:105 Resp: 253593

Ion Ratio Lower Upper

105 100

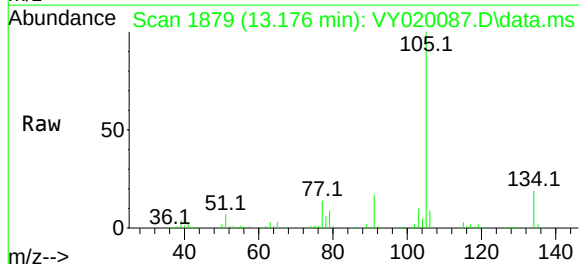
120 44.5 23.2 69.6





#85
sec-Butylbenzene
Concen: 21.092 ug/l
RT: 13.176 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21

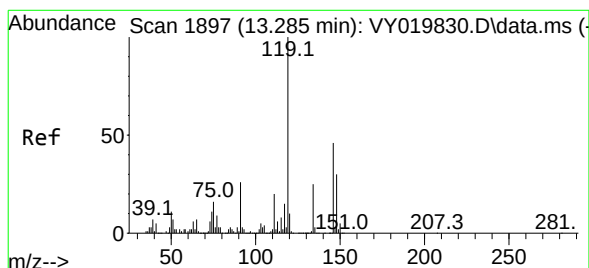
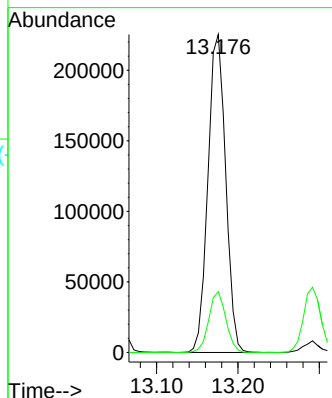
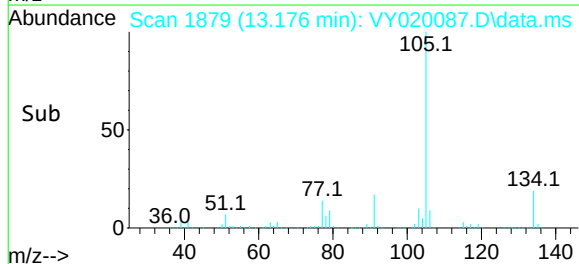
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01



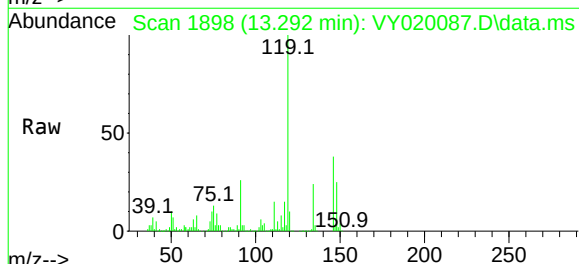
Tgt Ion:105 Resp: 341123
Ion Ratio Lower Upper
105 100
134 18.5 10.1 30.1

Manual Integrations
APPROVED

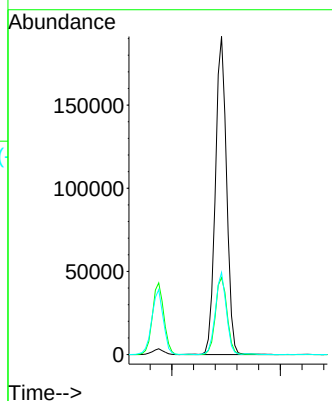
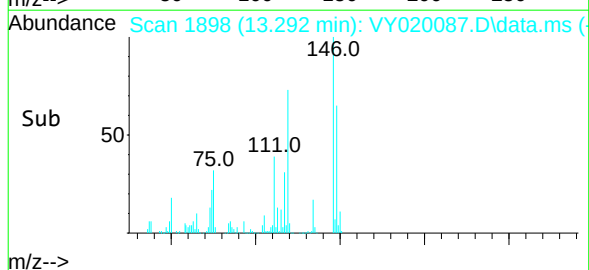
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

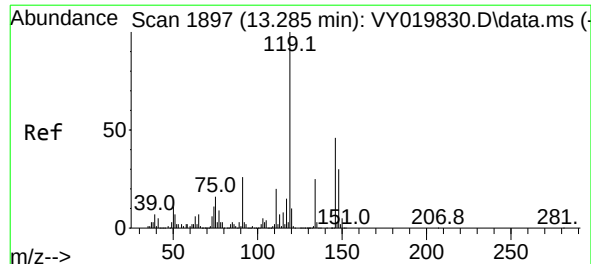


#86
p-Isopropyltoluene
Concen: 21.116 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020087.D
Acq: 31 Oct 2024 12:21



Tgt Ion:119 Resp: 274045
Ion Ratio Lower Upper
119 100
134 25.0 13.1 39.3
91 25.2 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 20.846 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

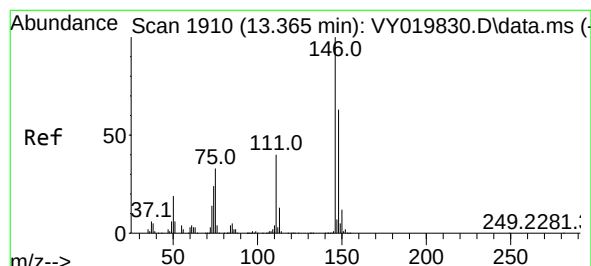
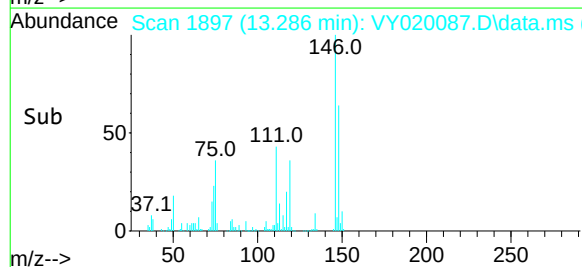
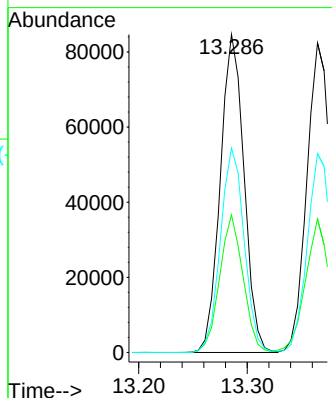
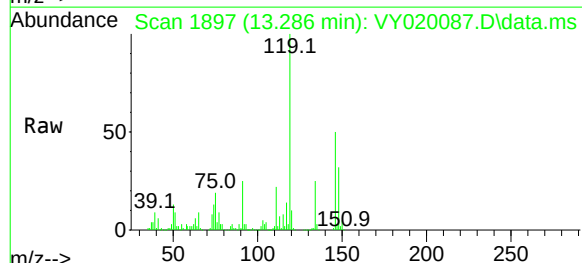
ClientSampleId :

VY1031SBS01

Tgt Ion:	146	Resp:	128527
Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.0	57.0
148	64.4	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#88

1,4-Dichlorobenzene

Concen: 20.761 ug/l

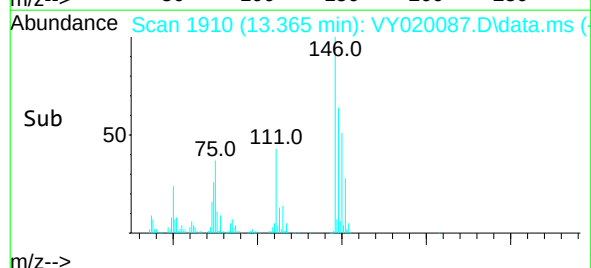
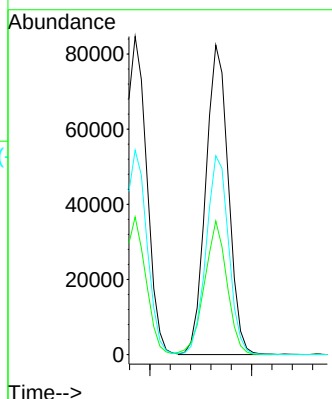
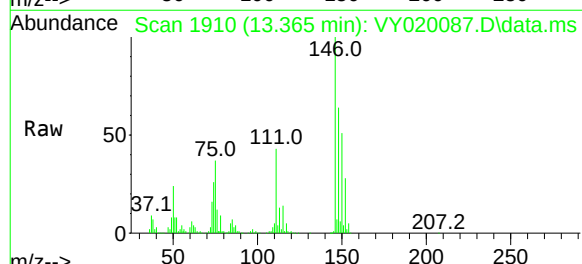
RT: 13.365 min Scan# 1910

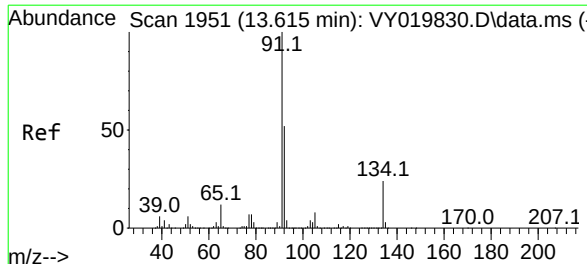
Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	146	Resp:	127470
Ion	Ratio	Lower	Upper
146	100		
111	42.9	18.4	55.4
148	64.1	32.4	97.2





#89

n-Butylbenzene

Concen: 20.758 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

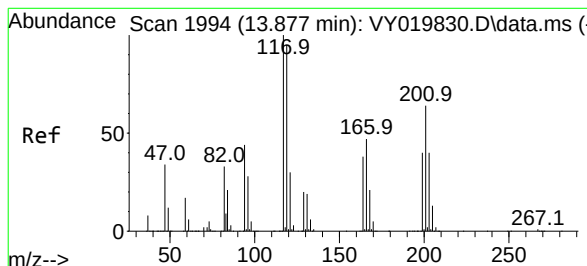
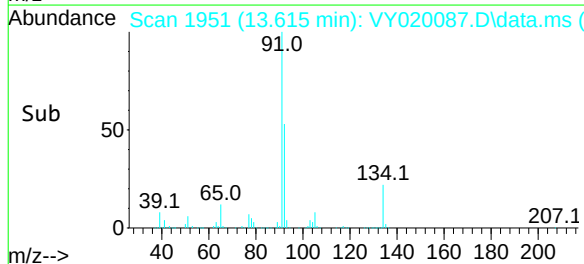
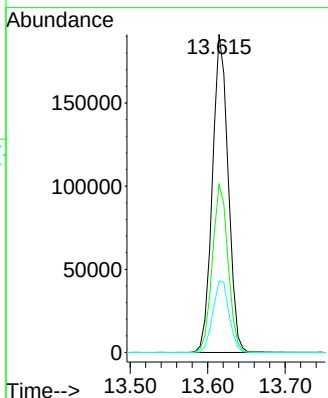
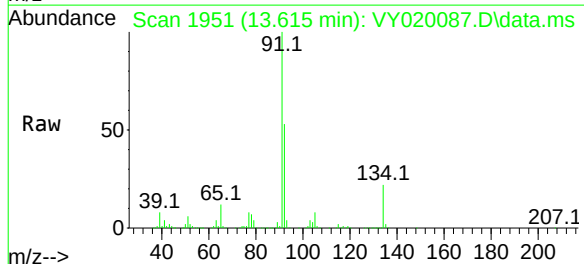
ClientSampleId :

VY1031SBS01

Tgt Ion:	91	Resp:	270065
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	23.2	12.9	38.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#90

Hexachloroethane

Concen: 20.350 ug/l

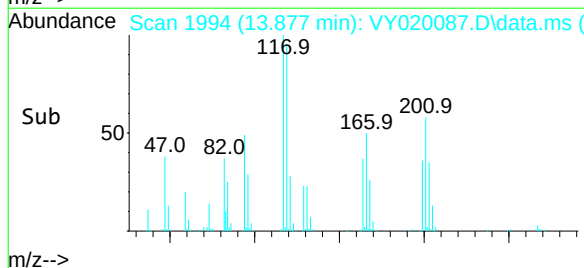
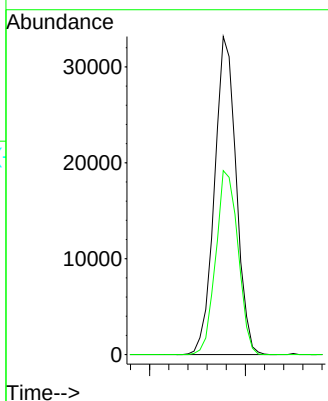
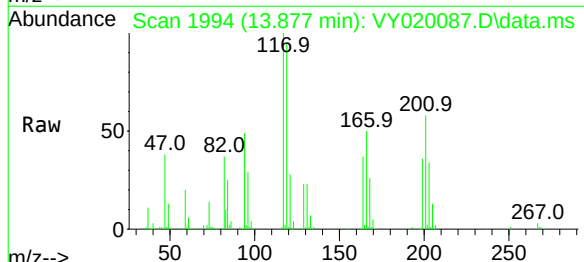
RT: 13.877 min Scan# 1994

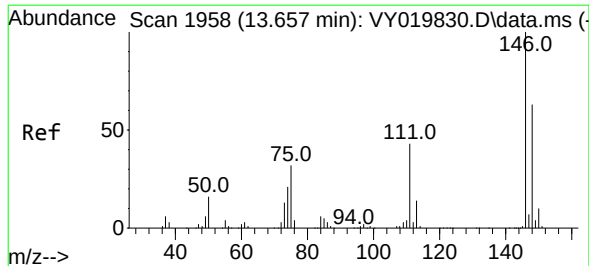
Delta R.T. -0.006 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	117	Resp:	52231
Ion	Ratio	Lower	Upper
117	100		
201	59.3	37.4	112.2





#91

1,2-Dichlorobenzene

Concen: 20.820 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 146 Resp: 111579

Ion Ratio Lower Upper

146 100

111 42.8 19.9 59.7

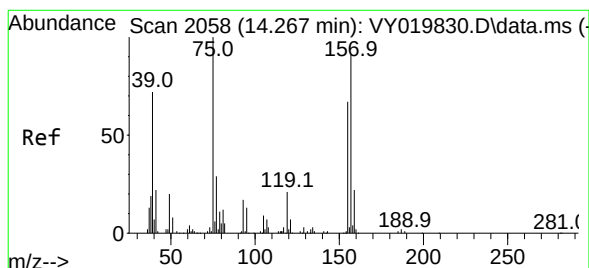
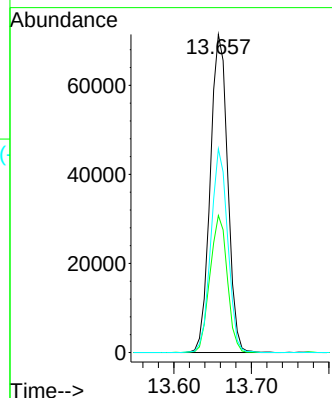
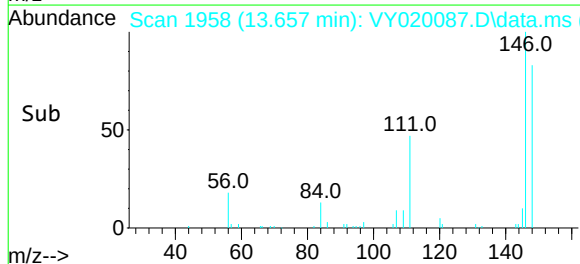
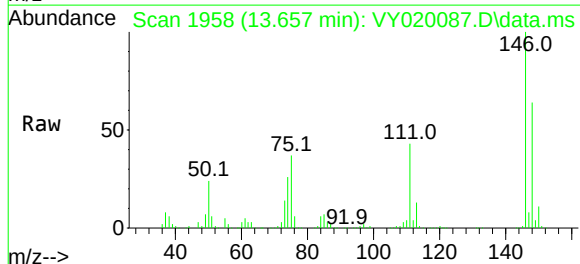
148 62.0 31.8 95.4

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024

Supervised By : Mahesh Dadoda 11/04/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.715 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

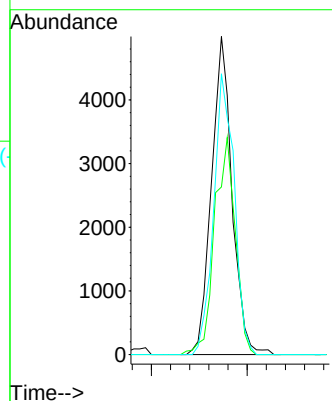
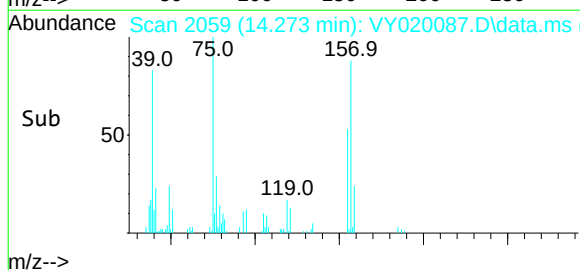
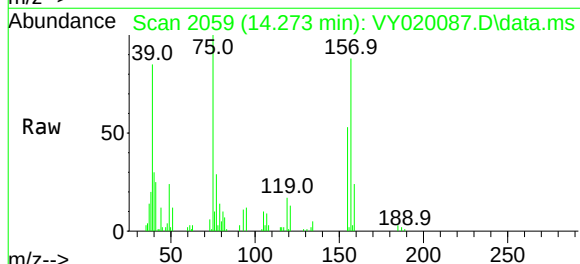
Tgt Ion: 75 Resp: 7449

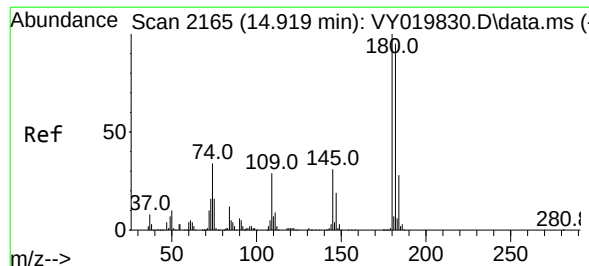
Ion Ratio Lower Upper

75 100

155 69.2 48.6 145.8

157 87.9 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 19.287 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

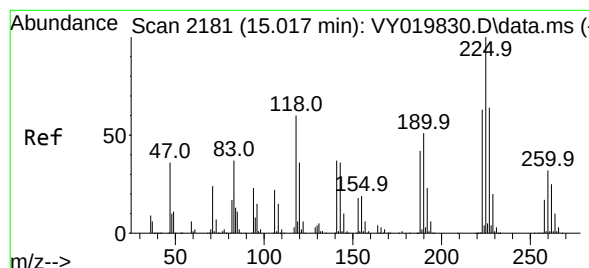
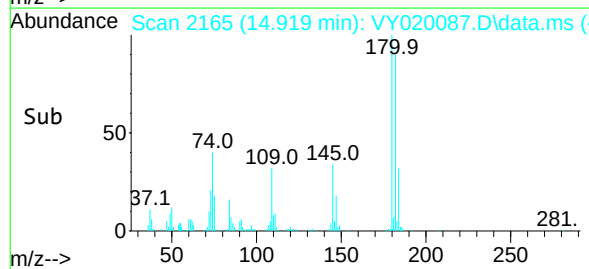
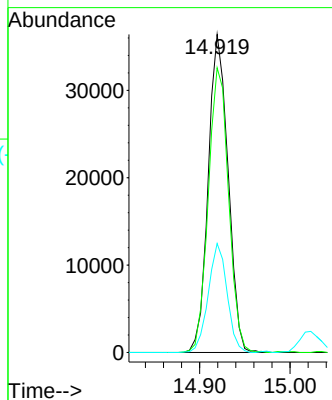
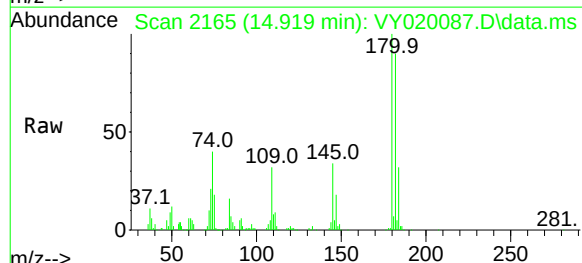
Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:	180	Resp:	55524
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.9	143.8
145	32.5	14.2	42.6

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

#94

Hexachlorobutadiene

Concen: 19.143 ug/l

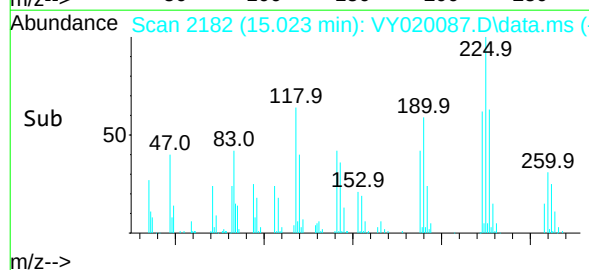
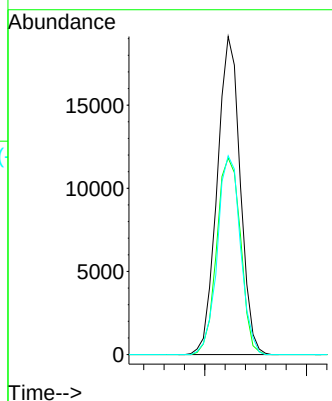
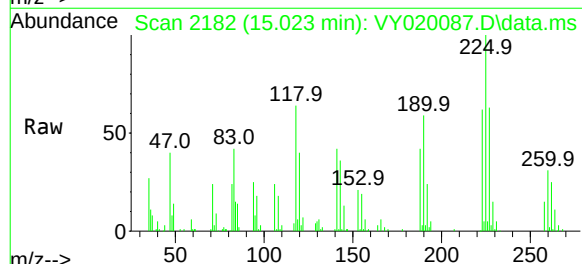
RT: 15.023 min Scan# 2182

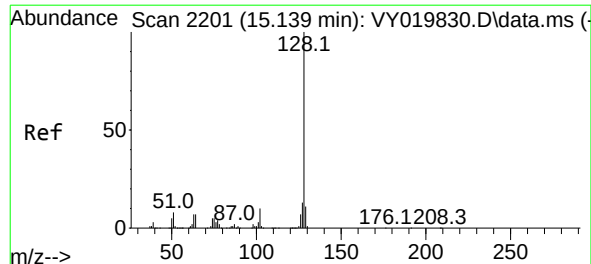
Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	225	Resp:	30136
Ion Ratio	Lower	Upper	
225	100		
223	63.8	30.4	91.2
227	62.6	31.9	95.9





#95

Naphthalene

Concen: 17.633 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Instrument :

MSVOA_Y

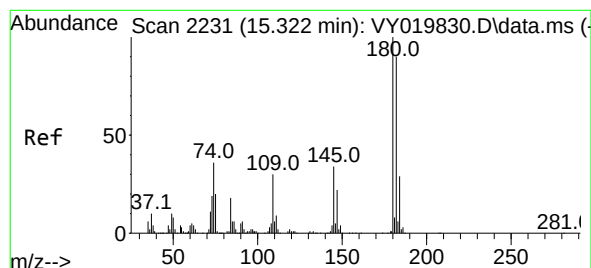
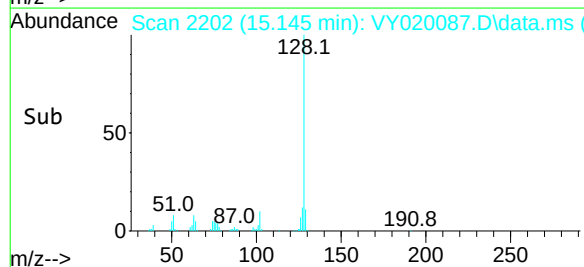
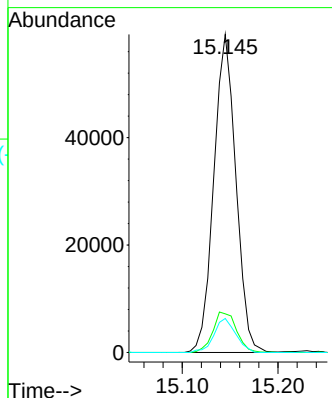
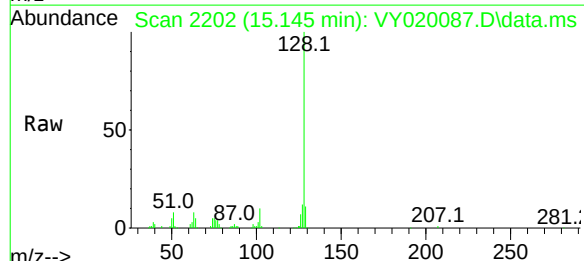
ClientSampleId :

VY1031SBS01

Tgt Ion:	128	Resp:	94892
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96

1,2,3-Trichlorobenzene

Concen: 18.190 ug/l

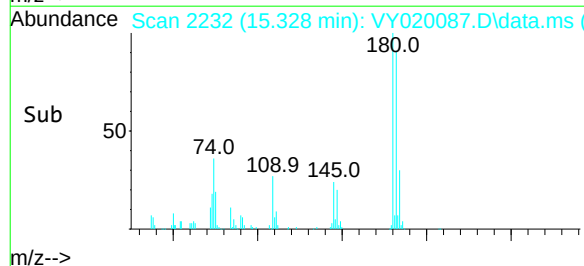
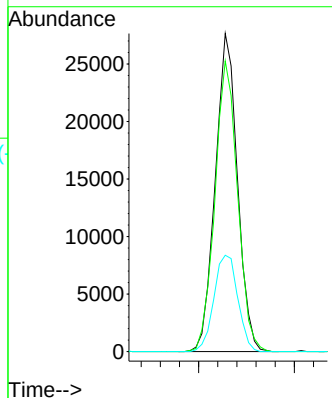
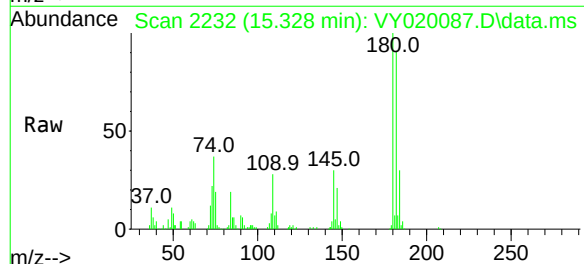
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020087.D

Acq: 31 Oct 2024 12:21

Tgt Ion:	180	Resp:	44453
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.6	142.9
145	32.6	15.4	46.1



Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495	
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	21.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	21.5		1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	21.1		0.86	5.00	ug/Kg
74-83-9	Bromomethane	22.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.5		1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	120		5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	19.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	120		15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	24.0		0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.3		0.78	5.00	ug/Kg
107-02-8	Acrolein	110		5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	120		5.00	25.0	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	110		2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	20.4		1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.8		0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	42.8		1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	21.3		2.40	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495	
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	21.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	20.3		0.73	5.00	ug/Kg
71-43-2	Benzene	20.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.66	5.00	ug/Kg
74-95-3	Dibromomethane	21.0		0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	21.8		0.74	5.00	ug/Kg
108-88-3	Toluene	21.1		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.9		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.6		0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	21.4		0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	100		12.8	25.0	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	20.6		0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	20.2		0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.2		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	61.7		2.10	15.0	ug/Kg
95-47-6	o-Xylene	20.5		0.70	5.00	ug/Kg
100-42-5	Styrene	20.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.7		0.81	5.00	ug/Kg

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495	
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL	
Analytical Method:	SW8260	% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	21.0		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	22.0		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	21.3		0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	21.1		0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	21.3		0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21.2		0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	21.4		0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	21.5		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	21.4		1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	20.9		0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	20.7		0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	20.4		0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.4		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.7		0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	19.4		0.81	5.00	ug/Kg
91-20-3	Naphthalene	19.7		1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.1		0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	21.0		0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	23.0		0.80	5.00	ug/Kg
107-05-1	Allyl chloride	21.9		0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	20.3		0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	25.4		1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	20.6		0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	21.9		0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	450		42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		50 - 163	102%	SPK: 50

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
	ID : 0.25	Test:	VOCMS Group1
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	49.9		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	48.4		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		29 - 146	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		54 - 147	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	260000	7.713			
540-36-3	1,4-Difluorobenzene	477000	8.616			
3114-55-4	Chlorobenzene-d5	414000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	187000	13.347			

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_Y\Data\VY103124\
 Data File : VY020088.D
 Acq On : 31 Oct 2024 12:43
 Operator : SY/MD
 Sample : VY1031SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 06:32:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	259889	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	476917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	186835	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	165235	50.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.880%
35) Dibromofluoromethane	7.640	113	151304	49.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.800%
50) Toluene-d8	10.109	98	583585	48.351	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.700%
62) 4-Bromofluorobenzene	12.402	95	188045	47.966	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.940%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	52516	21.829	ug/l	99
3) Chloromethane	2.074	50	87000	21.832	ug/l	94
4) Vinyl Chloride	2.214	62	88497	20.687	ug/l	97
5) Bromomethane	2.598	94	63214	22.257	ug/l	95
6) Chloroethane	2.745	64	59340	21.494	ug/l	98
7) Trichlorofluoromethane	3.068	101	104039	19.908	ug/l	99
8) Diethyl Ether	3.464	74	34970	23.992	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.824	101	60157	20.523	ug/l	91
10) Methyl Iodide	4.013	142	65168	23.028	ug/l	91
11) Tert butyl alcohol	4.854	59	27354	117.242	ug/l #	98
12) 1,1-Dichloroethene	3.799	96	59695	21.285	ug/l #	78
13) Acrolein	3.659	56	32264	111.088	ug/l	98
14) Allyl chloride	4.391	41	110804	21.898	ug/l #	90
15) Acrylonitrile	5.068	53	77653	117.038	ug/l	98
16) Acetone	3.879	43	77269	102.436	ug/l #	85
17) Carbon Disulfide	4.117	76	196606	21.065	ug/l	98
18) Methyl Acetate	4.397	43	40238	22.736	ug/l #	88
19) Methyl tert-butyl Ether	5.129	73	158621	22.481	ug/l	98
20) Methylene Chloride	4.622	84	69094	20.391	ug/l #	83
21) trans-1,2-Dichloroethene	5.122	96	66553	21.042	ug/l	87
22) Diisopropyl ether	6.025	45	229846	21.890	ug/l #	86
23) Vinyl Acetate	5.970	43	656374	111.076	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	131101	21.563	ug/l	97
25) 2-Butanone	6.896	43	112172	109.704	ug/l	90
26) 2,2-Dichloropropane	6.890	77	103407	20.441	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	79203	21.784	ug/l	83
28) Bromochloromethane	7.250	49	60610	21.289	ug/l #	70
29) Tetrahydrofuran	7.268	42	69569	117.896	ug/l #	82
30) Chloroform	7.427	83	129696	21.496	ug/l	96
31) Cyclohexane	7.707	56	117723	20.000	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	111248	21.119	ug/l	94
36) 1,1-Dichloropropene	7.841	75	94936	20.268	ug/l	93
37) Ethyl Acetate	6.988	43	48064	21.522	ug/l #	92
38) Carbon Tetrachloride	7.823	117	92730	19.687	ug/l	97
39) Methylcyclohexane	9.110	83	116079	19.526	ug/l #	86
40) Benzene	8.085	78	285518	20.883	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020088.D
 Acq On : 31 Oct 2024 12:43
 Operator : SY/MD
 Sample : VY1031SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBSD01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 06:32:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	28409m	25.395	ug/l	
42) 1,2-Dichloroethane	8.165	62	81697	21.588	ug/l	94
43) Isopropyl Acetate	8.201	43	90722	21.126	ug/l #	79
44) Trichloroethene	8.866	130	65063	20.533	ug/l	95
45) 1,2-Dichloropropane	9.146	63	68928	21.072	ug/l	98
46) Dibromomethane	9.231	93	37262	21.023	ug/l	89
47) Bromodichloromethane	9.427	83	98150	21.138	ug/l	98
48) Methyl methacrylate	9.225	41	43363	21.800	ug/l #	82
49) 1,4-Dioxane	9.231	88	8197	449.203	ug/l #	89
51) 4-Methyl-2-Pentanone	10.000	43	240835	108.839	ug/l	89
52) Toluene	10.170	92	177714	21.087	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	85861	20.941	ug/l	92
54) cis-1,3-Dichloropropene	9.859	75	103898	21.230	ug/l #	87
55) 1,1,2-Trichloroethane	10.573	97	47501	21.555	ug/l	95
56) Ethyl methacrylate	10.439	69	65147	20.609	ug/l #	70
57) 1,3-Dichloropropane	10.713	76	86318	21.389	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	163594	104.936	ug/l	91
59) 2-Hexanone	10.762	43	166569	104.999	ug/l	87
60) Dibromochloromethane	10.908	129	58443	20.805	ug/l	99
61) 1,2-Dibromoethane	11.012	107	43322	21.159	ug/l	98
64) Tetrachloroethene	10.646	164	55552	20.299	ug/l	89
65) Chlorobenzene	11.438	112	183247	20.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	58146	20.607	ug/l	99
67) Ethyl Benzene	11.518	91	339521	20.566	ug/l	98
68) m/p-Xylenes	11.627	106	248547	41.150	ug/l	91
69) o-Xylene	11.957	106	117130	20.483	ug/l	89
70) Styrene	11.969	104	197351	20.872	ug/l	96
71) Bromoform	12.133	173	30024	20.742	ug/l #	98
73) Isopropylbenzene	12.255	105	313732	21.020	ug/l	96
74) N-ethyl acetate	12.072	43	78294	20.985	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	56868	21.786	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	38580m	22.028	ug/l	
77) Bromobenzene	12.530	156	64386	21.330	ug/l	82
78) n-propylbenzene	12.591	91	391006	21.050	ug/l	96
79) 2-Chlorotoluene	12.676	91	219486	21.287	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	253960	21.194	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	16539	20.312	ug/l #	80
82) 4-Chlorotoluene	12.780	91	224627	21.366	ug/l	94
83) tert-Butylbenzene	12.993	119	225183	21.491	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	253501	21.359	ug/l	96
85) sec-Butylbenzene	13.176	105	335484	20.857	ug/l	97
86) p-Isopropyltoluene	13.292	119	267045	20.689	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	127491	20.791	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	126375	20.695	ug/l	96
89) n-Butylbenzene	13.615	91	263792	20.387	ug/l	98
90) Hexachloroethane	13.877	117	51637	20.228	ug/l	82
91) 1,2-Dichlorobenzene	13.657	146	113878	21.365	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	8169	20.636	ug/l	71
93) 1,2,4-Trichlorobenzene	14.919	180	56399	19.697	ug/l	95
94) Hexachlorobutadiene	15.023	225	30349	19.383	ug/l	100
95) Naphthalene	15.145	128	105671	19.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	46343	19.067	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020088.D
Acq On : 31 Oct 2024 12:43
Operator : SY/MD
Sample : VY1031SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Nov 01 06:32:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

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

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

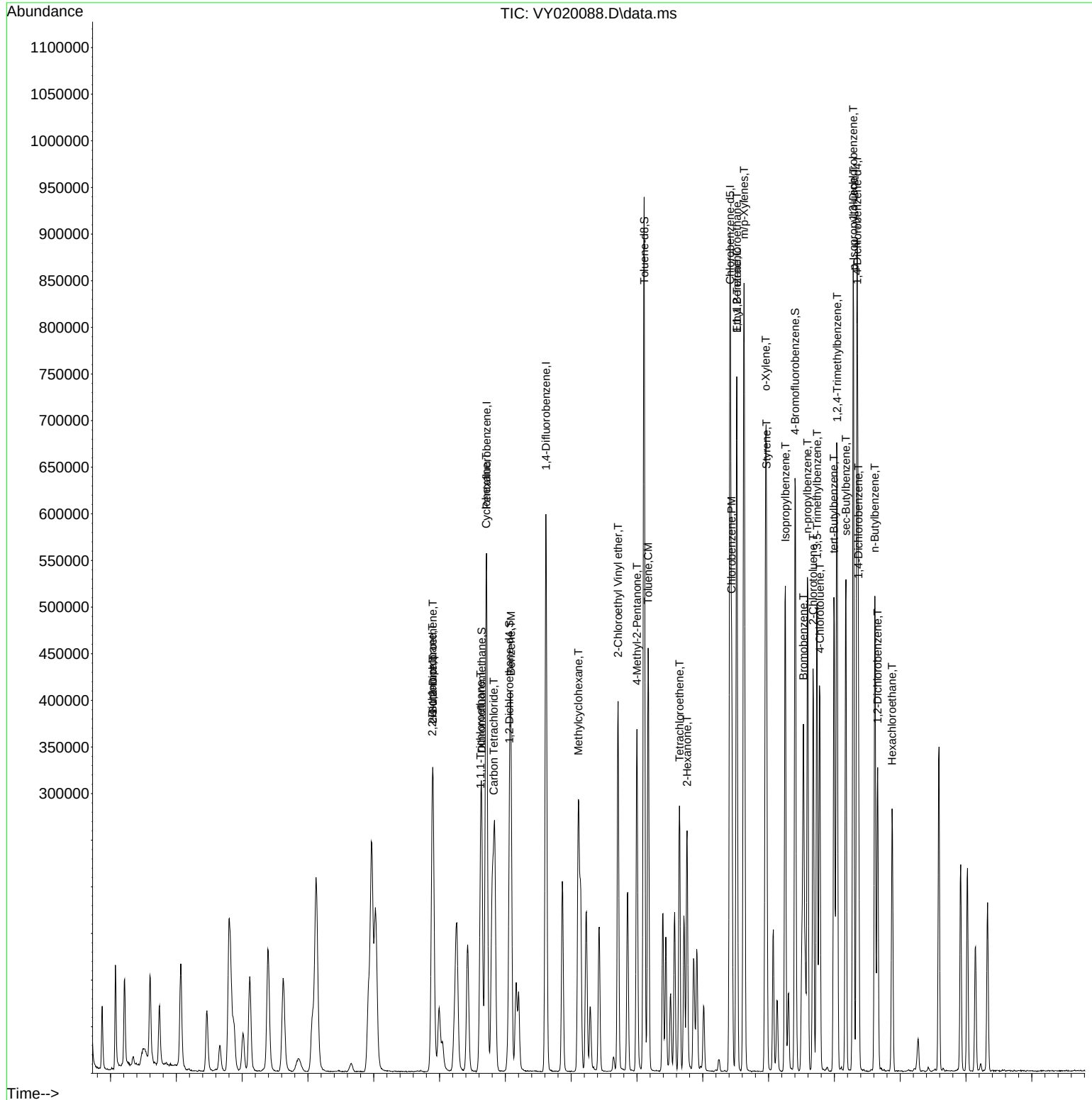
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
Data File : VY020088.D
Acq On : 31 Oct 2024 12:43
Operator : SY/MD
Sample : VY1031SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

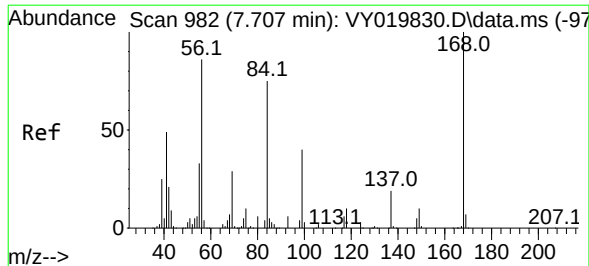
Quant Time: Nov 01 06:32:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01

Manual Integrations
APPROVED

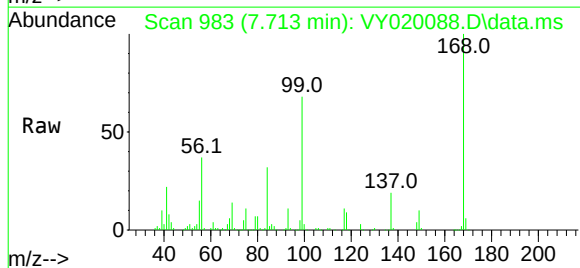
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

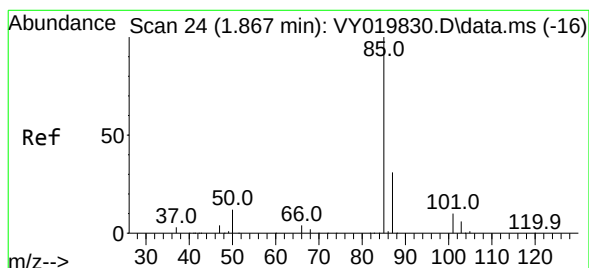
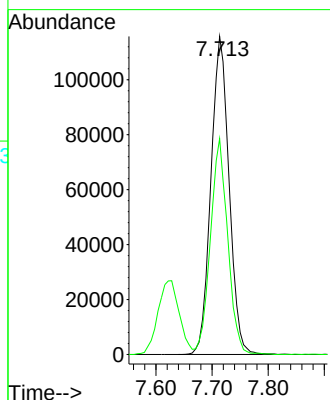
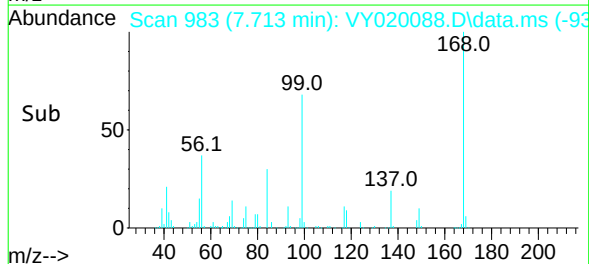
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01



Tgt Ion: 168 Resp: 259889
Ion Ratio Lower Upper
168 100
99 67.9 39.1 58.7#

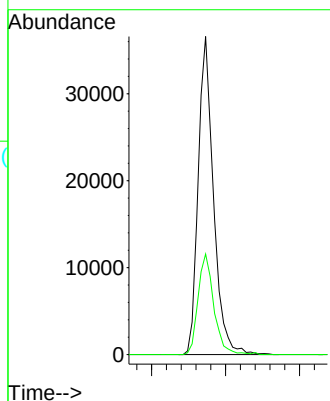
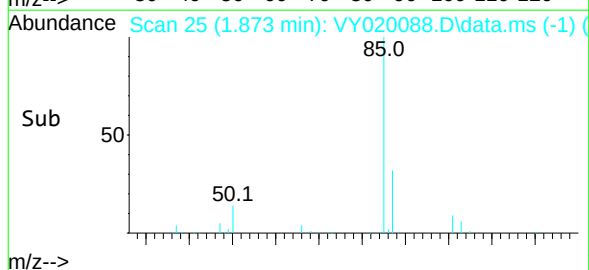
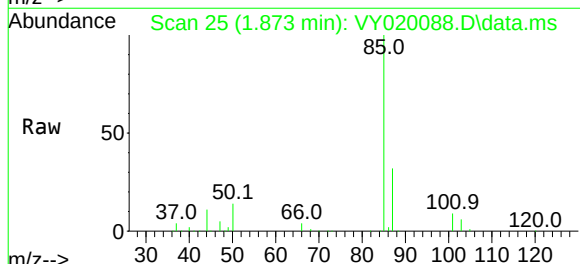
Manual Integrations
APPROVED

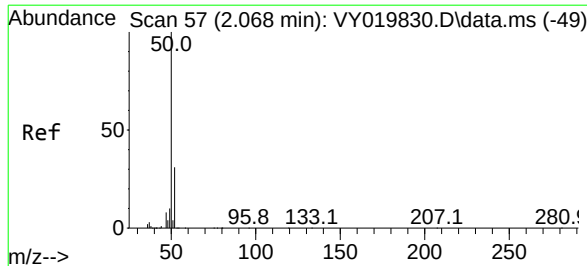
Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024



#2
Dichlorodifluoromethane
Concen: 21.829 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

Tgt Ion: 85 Resp: 52516
Ion Ratio Lower Upper
85 100
87 31.6 16.0 48.0





#3

Chloromethane

Concen: 21.832 ug/l

RT: 2.074 min Scan# 58

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBSD01

Tgt Ion: 50 Resp: 87000

Ion Ratio Lower Upper

50 100

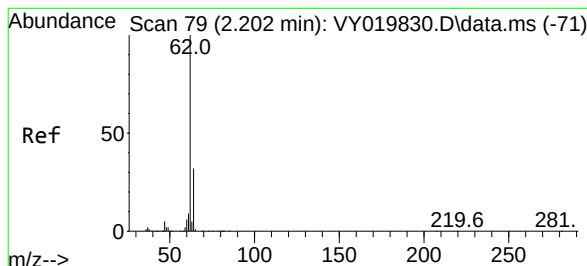
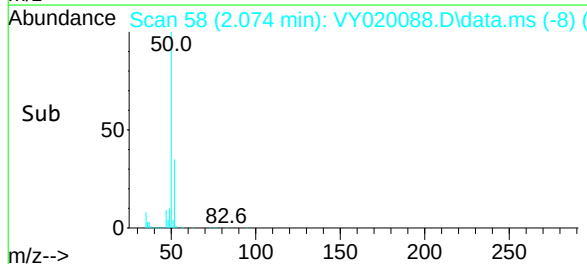
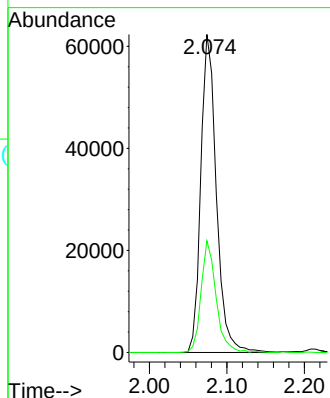
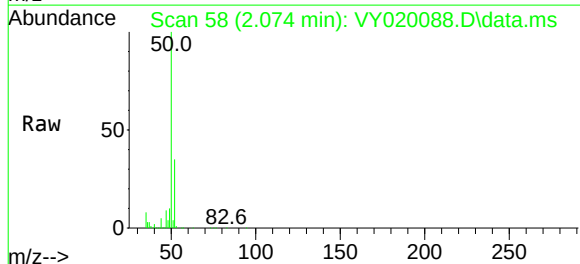
52 35.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#4

Vinyl Chloride

Concen: 20.687 ug/l

RT: 2.214 min Scan# 81

Delta R.T. 0.007 min

Lab File: VY020088.D

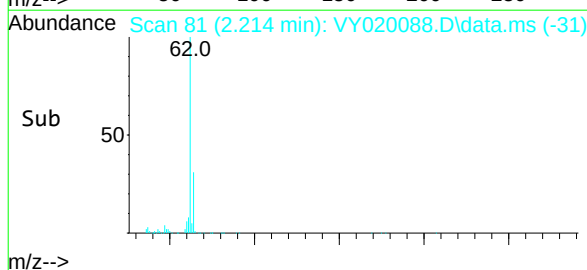
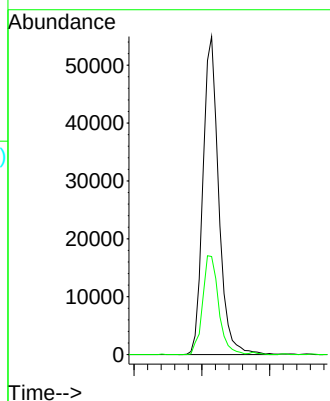
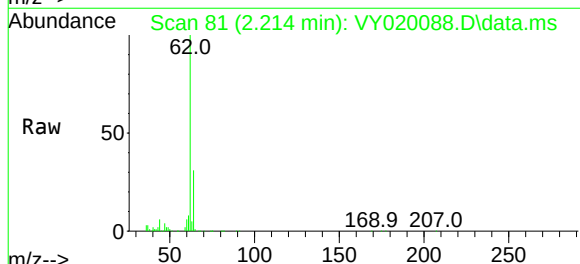
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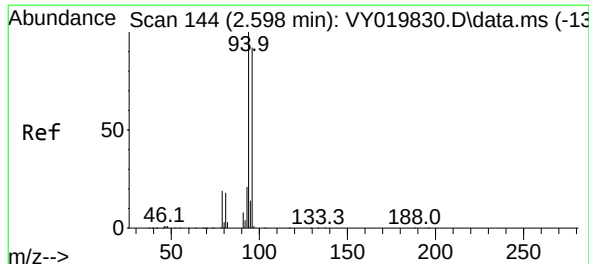
Tgt Ion: 62 Resp: 88497

Ion Ratio Lower Upper

62 100

64 30.8 26.1 39.1





#5

Bromomethane

Concen: 22.257 ug/l

RT: 2.598 min Scan# 144

Delta R.T. 0.000 min

Lab File: VY020088.D

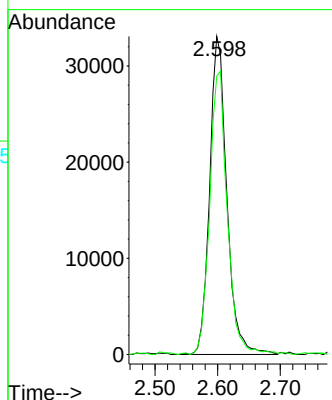
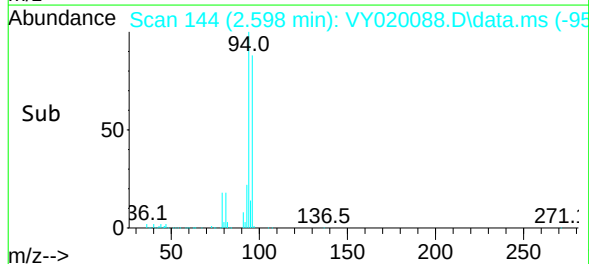
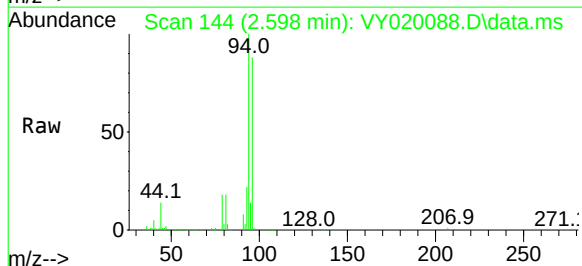
Acq: 31 Oct 2024 12:43

Tgt Ion: 94 Resp: 63214

Ion Ratio Lower Upper

94 100

96 87.5 74.1 111.1



Instrument :

MSVOA_Y

ClientSampleId :

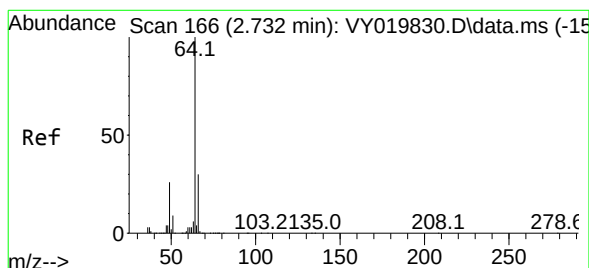
VY1031SBSD01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#6

Chloroethane

Concen: 21.494 ug/l

RT: 2.745 min Scan# 168

Delta R.T. 0.007 min

Lab File: VY020088.D

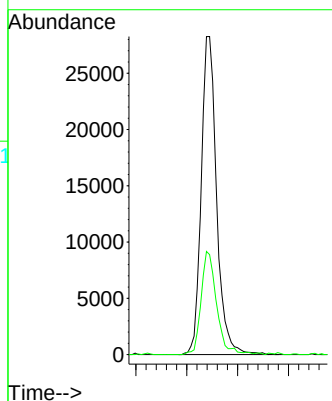
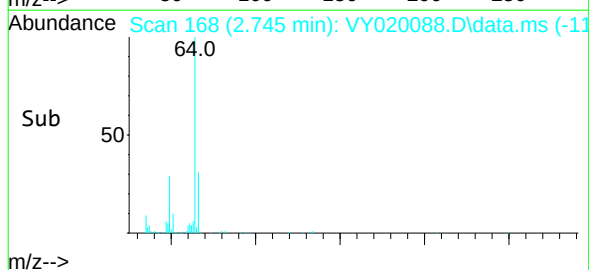
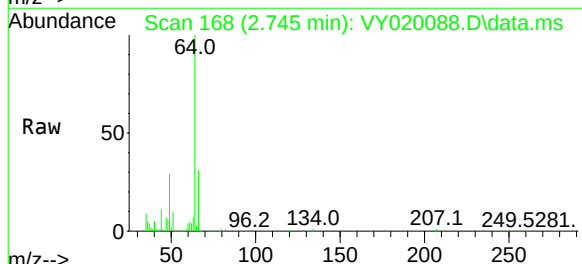
Acq: 31 Oct 2024 12:43

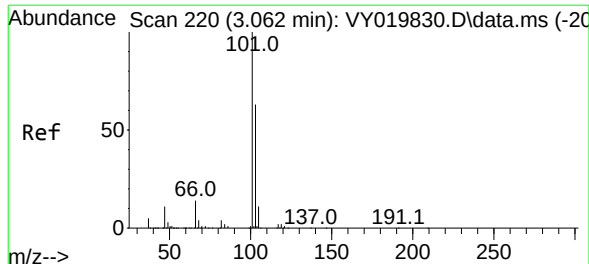
Tgt Ion: 64 Resp: 59340

Ion Ratio Lower Upper

64 100

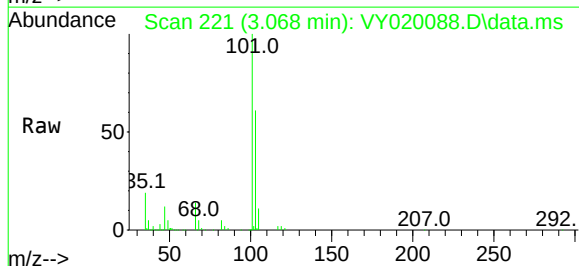
66 31.4 26.1 39.1





#7
Trichlorofluoromethane
Concen: 19.908 ug/l
RT: 3.068 min Scan# 220
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

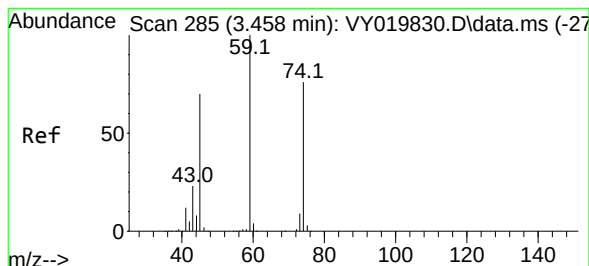
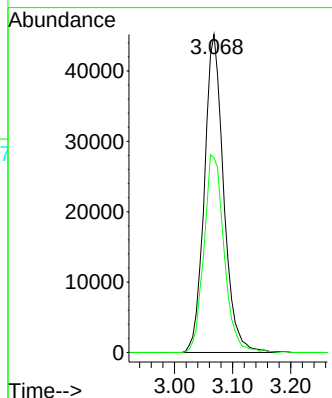
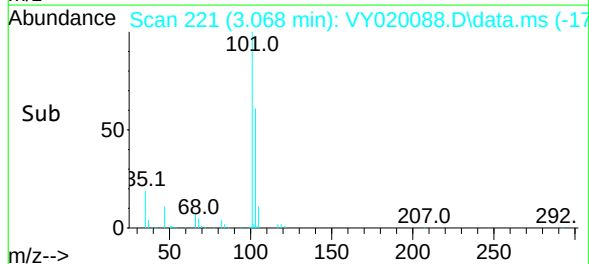
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01



Tgt Ion: 101 Resp: 104039
Ion Ratio Lower Upper
101 100
103 61.2 49.3 73.9

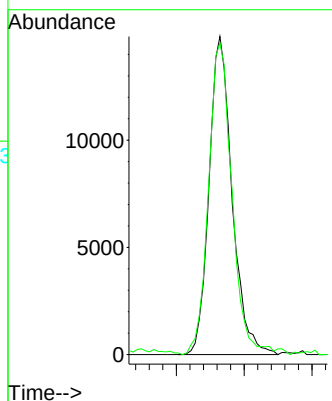
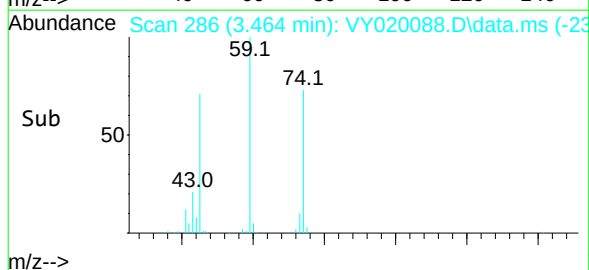
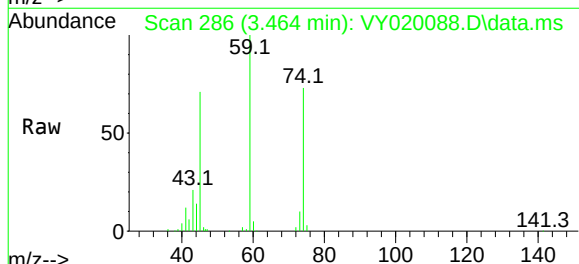
Manual Integrations
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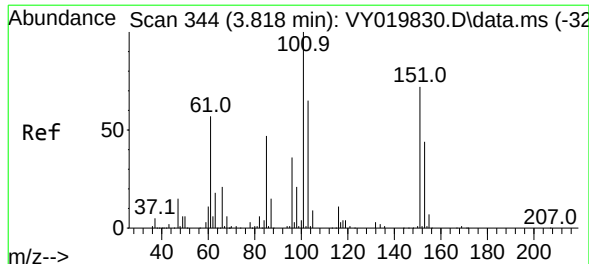
Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024



#8
Diethyl Ether
Concen: 23.992 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

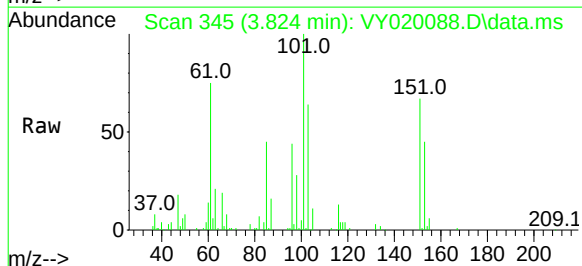
Tgt Ion: 74 Resp: 34970
Ion Ratio Lower Upper
74 100
45 100.0 41.3 124.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.523 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.013 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

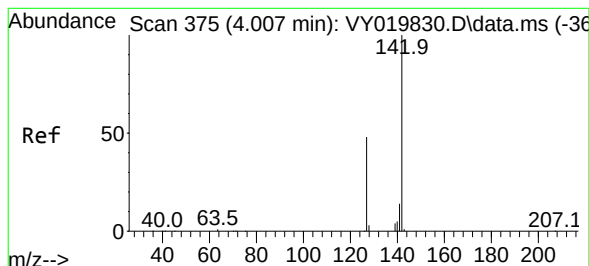
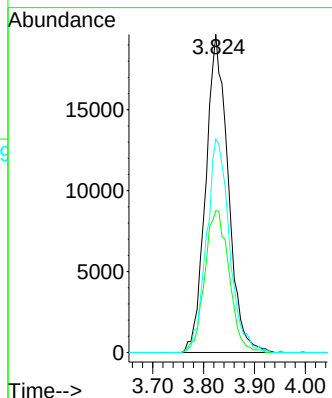
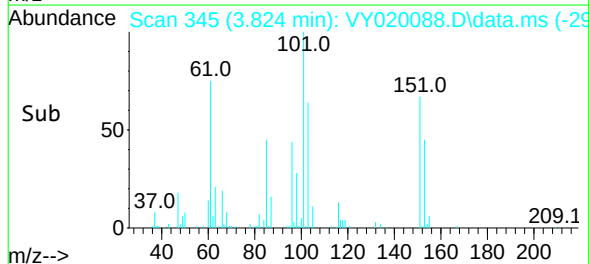
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01



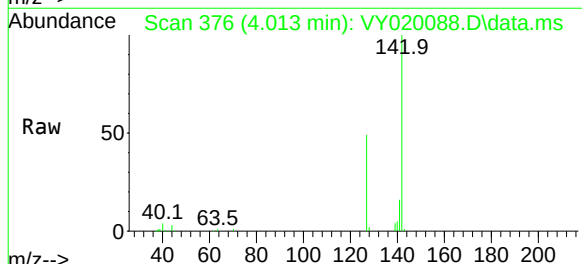
Tgt Ion:101 Resp: 60157
Ion Ratio Lower Upper
101 100
85 48.6 34.5 51.7
151 68.7 61.7 92.5

Manual Integrations
APPROVED

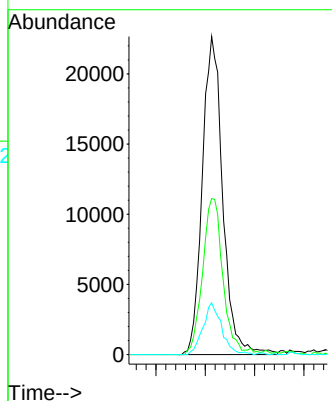
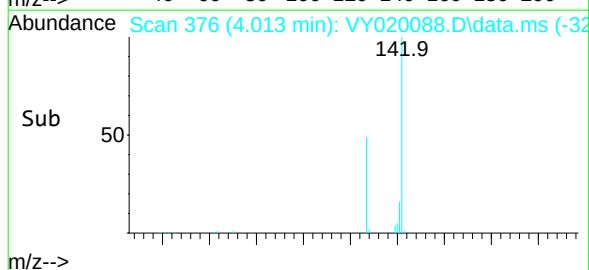
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

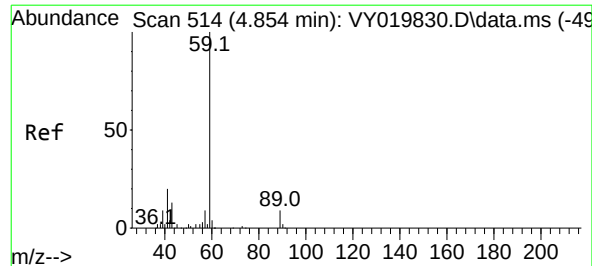


#10
Methyl Iodide
Concen: 23.028 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43



Tgt Ion:142 Resp: 65168
Ion Ratio Lower Upper
142 100
127 48.6 32.8 49.2
141 14.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 117.242 ug/l

RT: 4.854 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 59 Resp: 27354

Ion Ratio Lower Upper

59 100

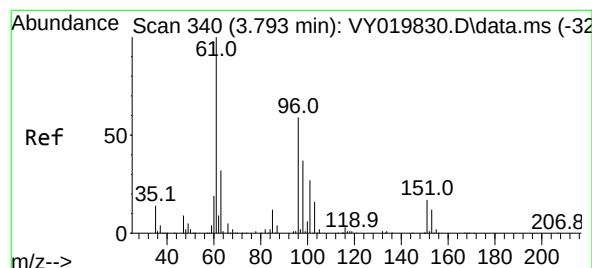
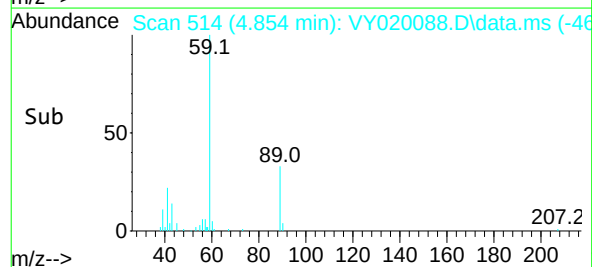
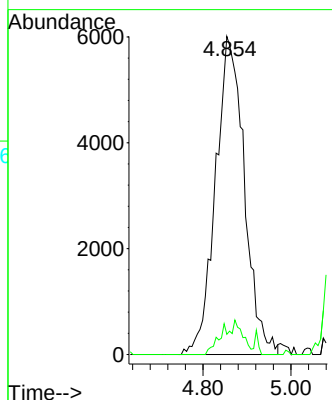
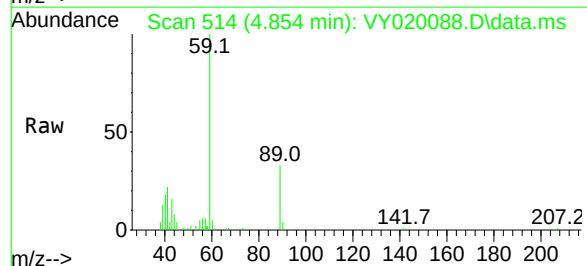
57 3.0 3.0 4.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#12

1,1-Dichloroethene

Concen: 21.285 ug/l

RT: 3.799 min Scan# 341

Delta R.T. 0.013 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

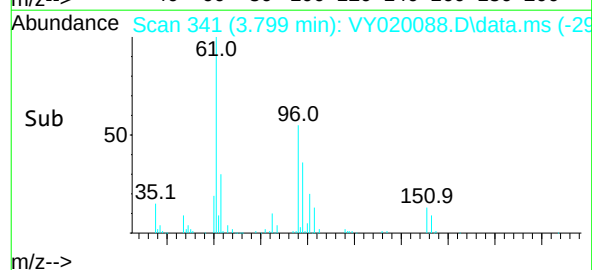
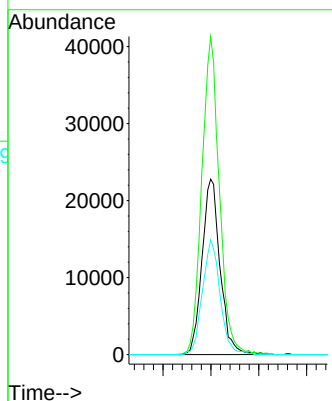
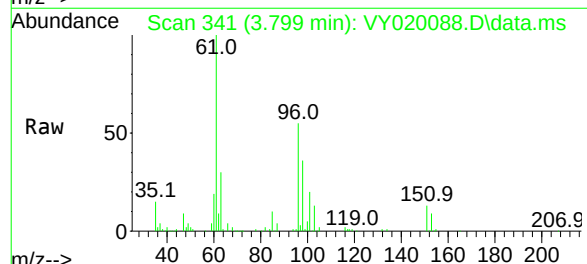
Tgt Ion: 96 Resp: 59695

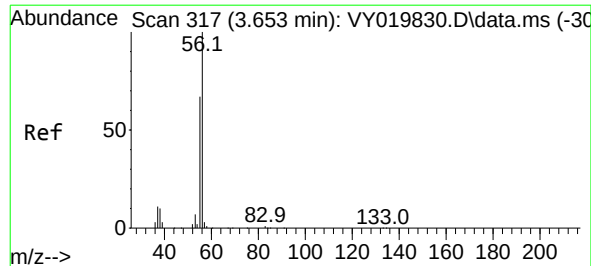
Ion Ratio Lower Upper

96 100

61 181.3 114.6 171.8#

98 65.4 50.8 76.2





#13

Acrolein

Concen: 111.088 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 56 Resp: 32264

Ion Ratio Lower Upper

56 100

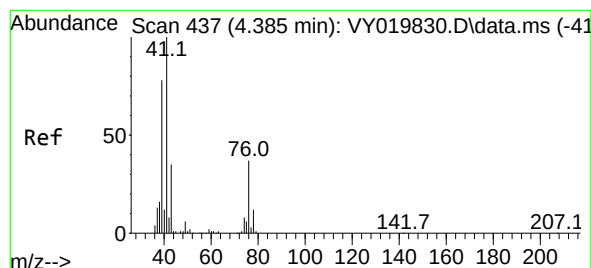
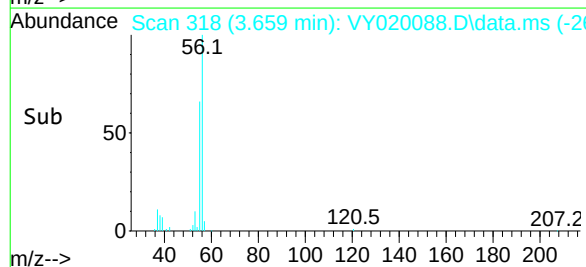
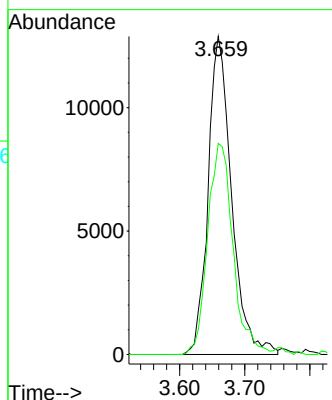
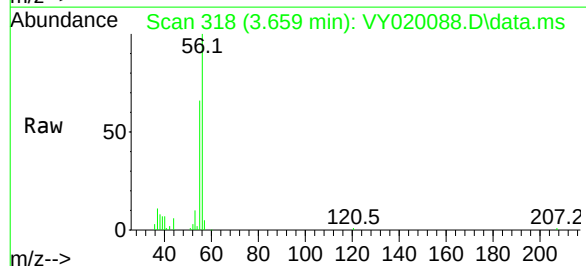
55 71.4 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#14

Allyl chloride

Concen: 21.898 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

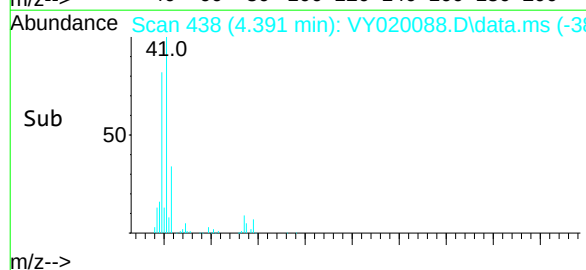
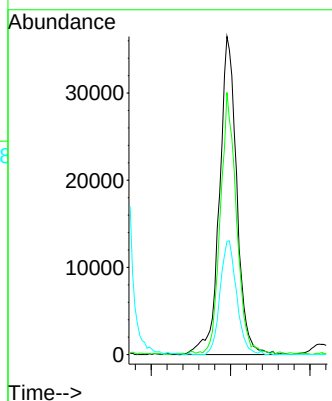
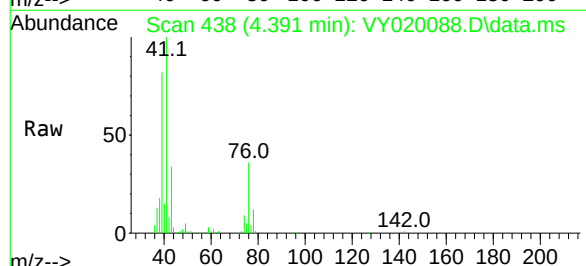
Tgt Ion: 41 Resp: 110804

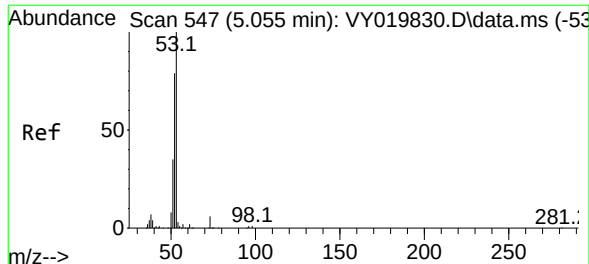
Ion Ratio Lower Upper

41 100

39 75.0 58.3 87.5

76 33.9 39.0 58.6#





#15

Acrylonitrile

Concen: 117.038 ug/l

RT: 5.068 min Scan# 54

Delta R.T. 0.013 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

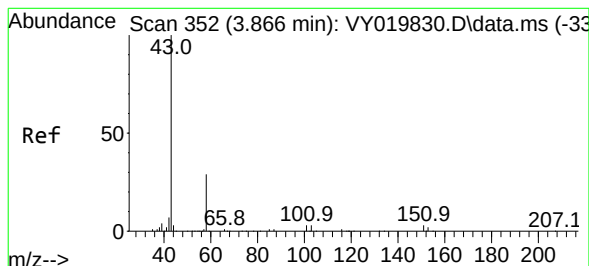
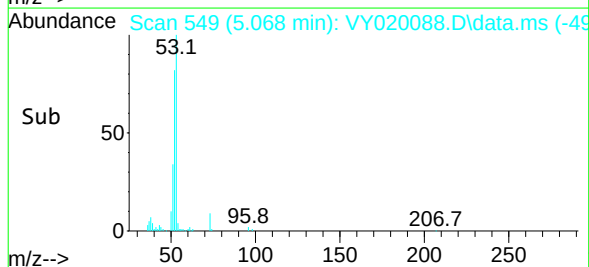
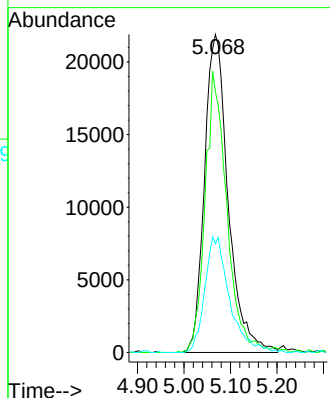
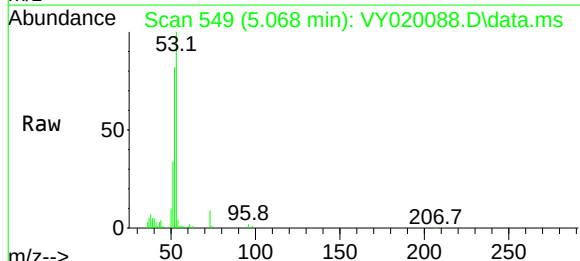
ClientSampleId :

VY1031SBSD01

Tgt Ion: 53	Resp: 77653
Ion Ratio Lower Upper	
53 100	
52 80.6 64.7 97.1	
51 38.1 28.4 42.6	

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#16

Acetone

Concen: 102.436 ug/l

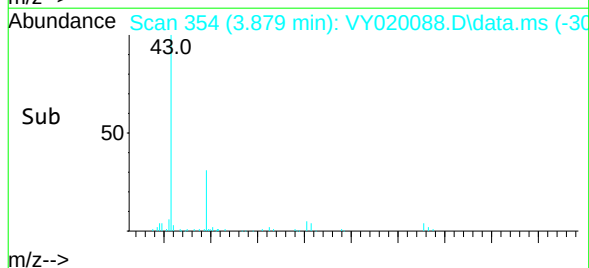
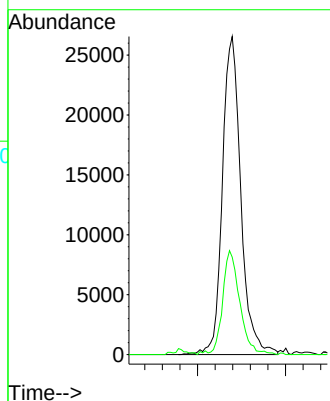
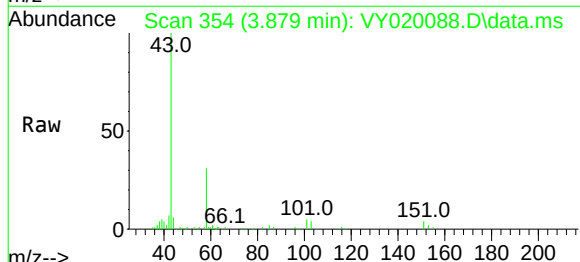
RT: 3.879 min Scan# 354

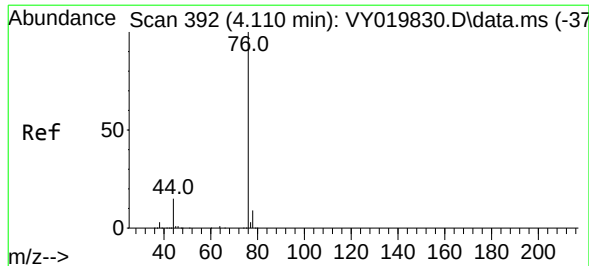
Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion: 43	Resp: 77269
Ion Ratio Lower Upper	
43 100	
58 30.6 31.7 47.5	





#17

Carbon Disulfide

Concen: 21.065 ug/l

RT: 4.117 min Scan# 39

Delta R.T. 0.013 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBSD01

Tgt Ion: 76 Resp: 196606

Ion Ratio Lower Upper

76 100

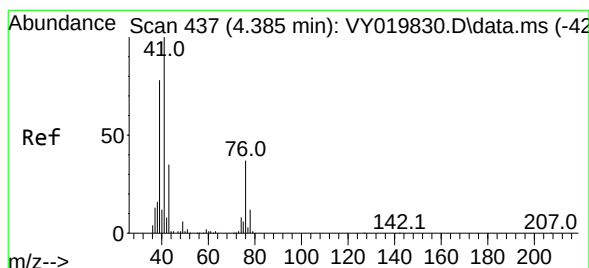
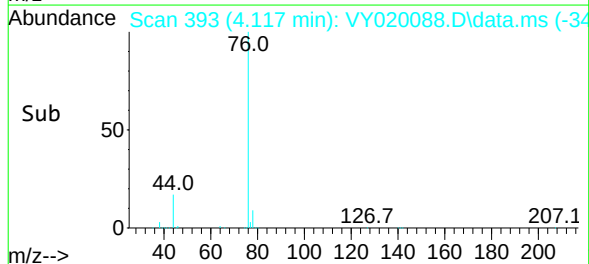
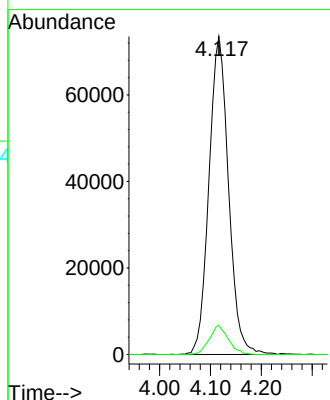
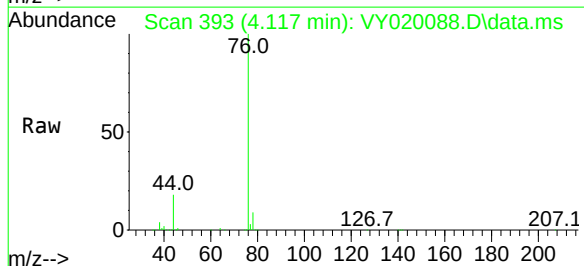
78 9.2 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#18

Methyl Acetate

Concen: 22.736 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.013 min

Lab File: VY020088.D

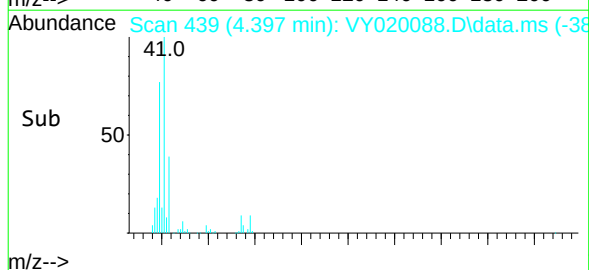
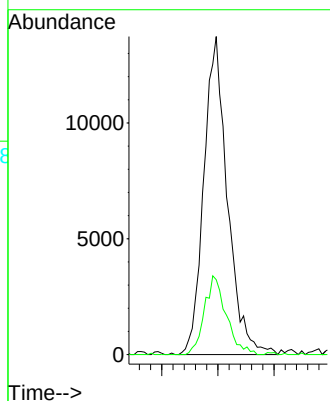
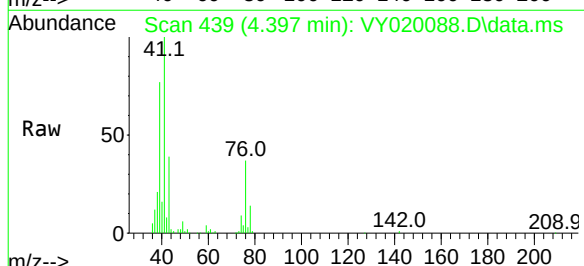
Acq: 31 Oct 2024 12:43

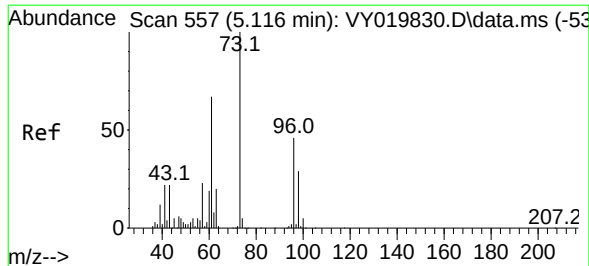
Tgt Ion: 43 Resp: 40238

Ion Ratio Lower Upper

43 100

74 22.8 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 22.481 ug/l

RT: 5.129 min Scan# 557

Delta R.T. 0.013 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 73 Resp: 158621

Ion Ratio Lower Upper

73 100

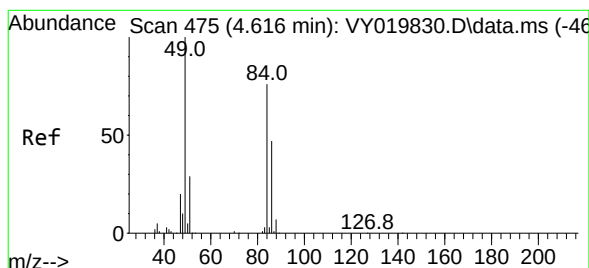
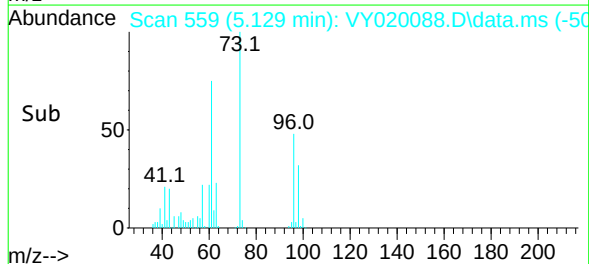
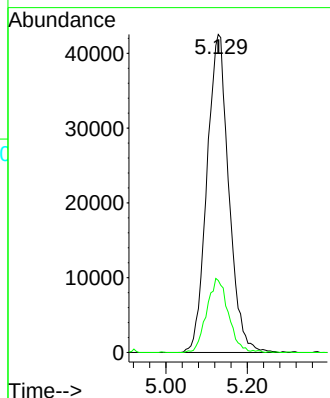
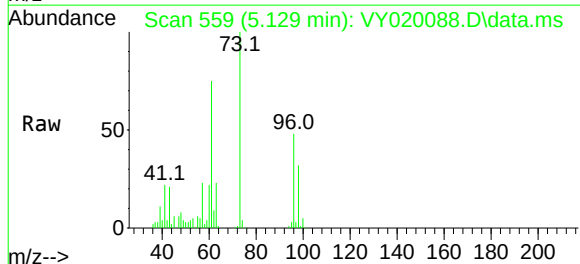
57 22.7 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#20

Methylene Chloride

Concen: 20.391 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion: 84 Resp: 69094

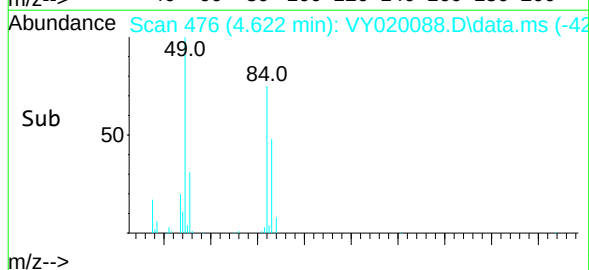
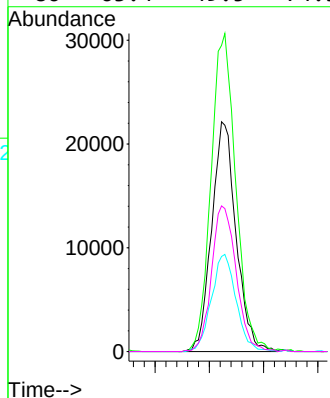
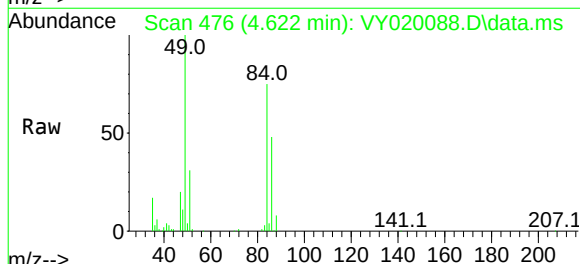
Ion Ratio Lower Upper

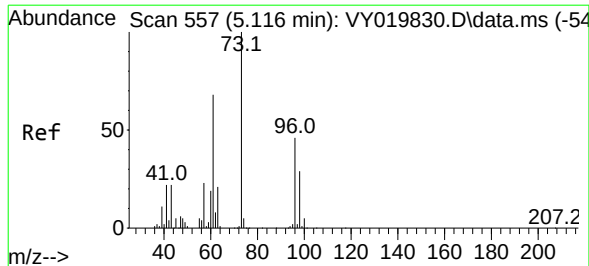
84 100

49 133.3 84.4 126.6#

51 41.4 26.0 39.0#

86 63.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.042 ug/l

RT: 5.122 min Scan# 557

Delta R.T. 0.013 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

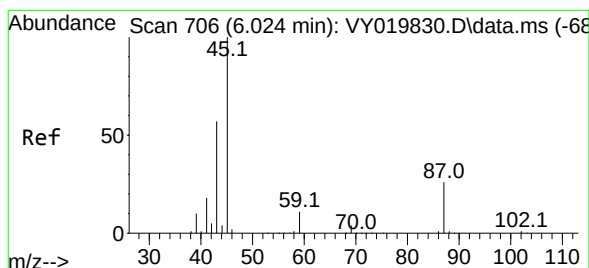
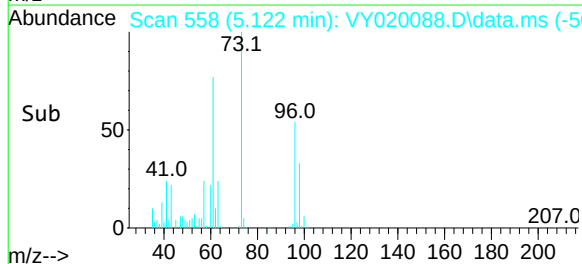
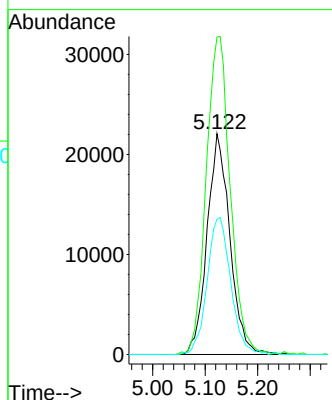
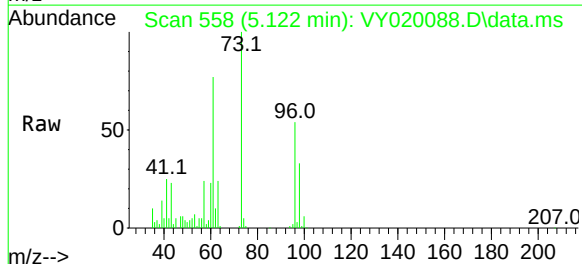
Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:	96	Resp:	66553
Ion	Ratio	Lower	Upper
96	100		
61	143.3	97.5	146.3
98	61.3	50.5	75.7

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

#22

Diisopropyl ether

Concen: 21.890 ug/l

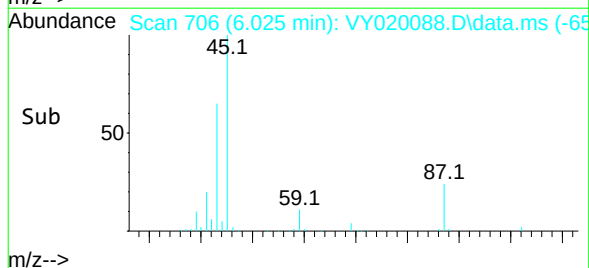
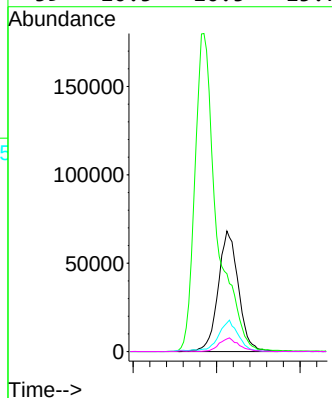
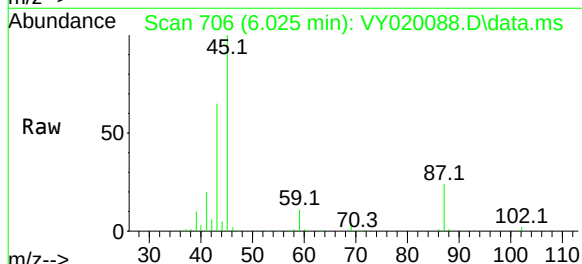
RT: 6.025 min Scan# 706

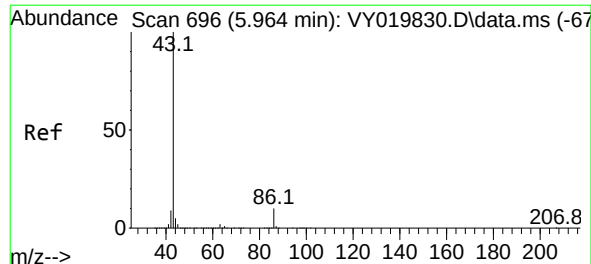
Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:	45	Resp:	229846
Ion	Ratio	Lower	Upper
45	100		
43	63.6	42.2	63.2#
87	23.8	25.0	37.6#
59	10.5	10.5	15.7





#23

Vinyl Acetate

Concen: 111.076 ug/l

RT: 5.970 min Scan# 69

Delta R.T. 0.013 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 43 Resp: 656374

Ion Ratio Lower Upper

43 100

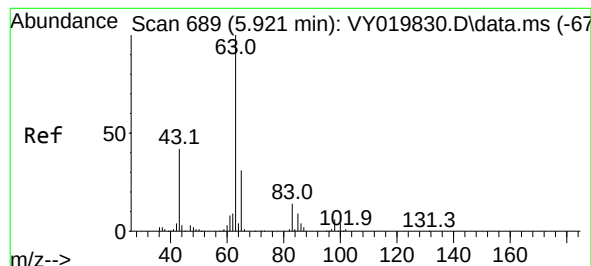
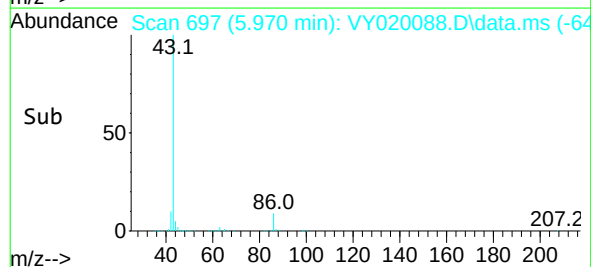
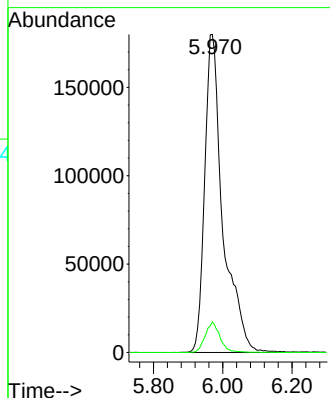
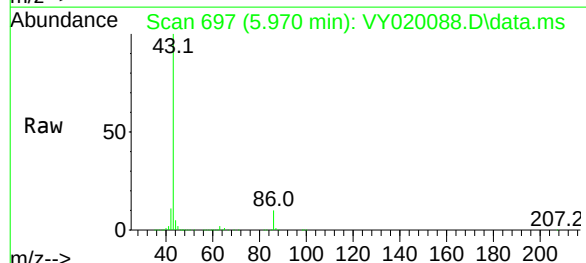
86 9.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#24

1,1-Dichloroethane

Concen: 21.563 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

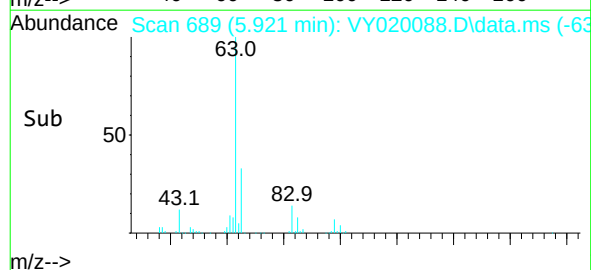
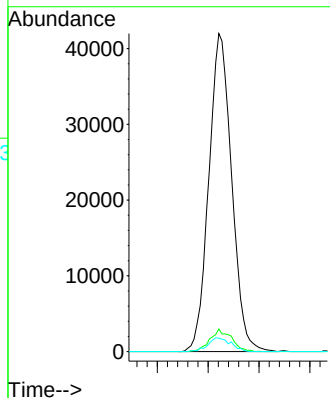
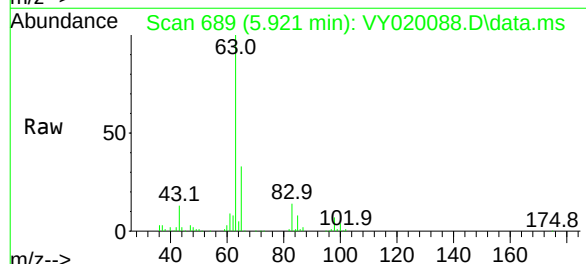
Tgt Ion: 63 Resp: 131101

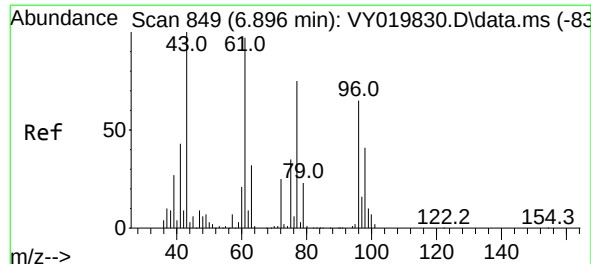
Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.2

100 4.2 2.6 8.0





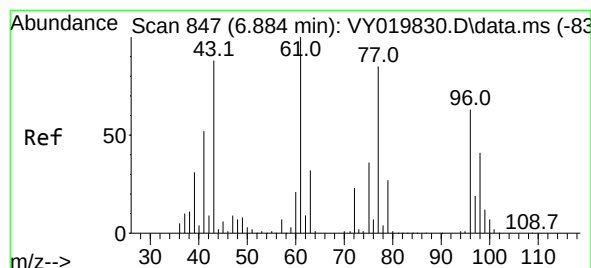
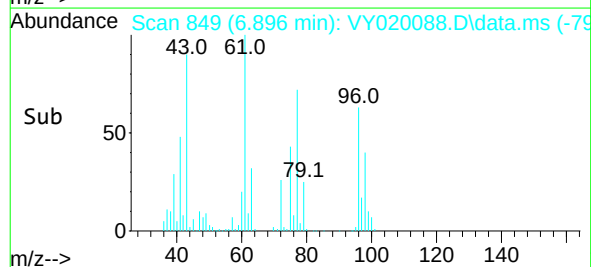
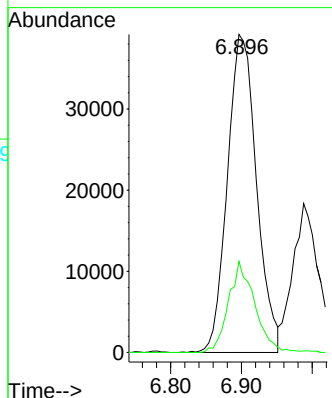
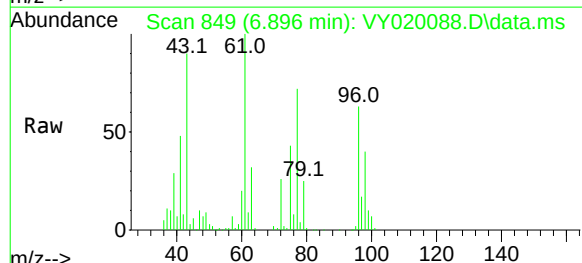
#25
2-Butanone
Concen: 109.704 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01

Tgt Ion: 43 Resp: 112172
Ion Ratio Lower Upper
43 100
72 28.6 27.3 40.9

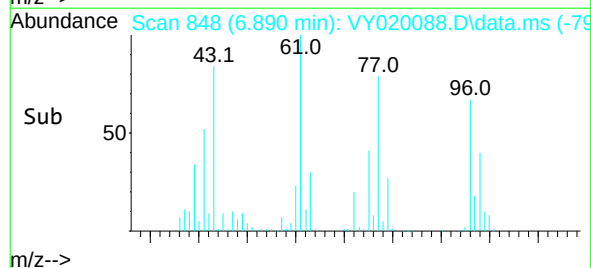
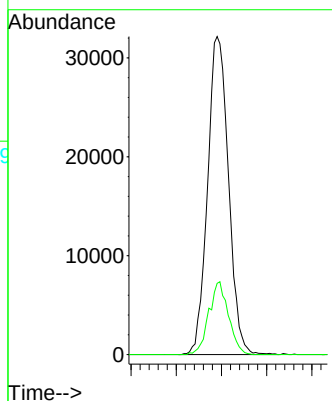
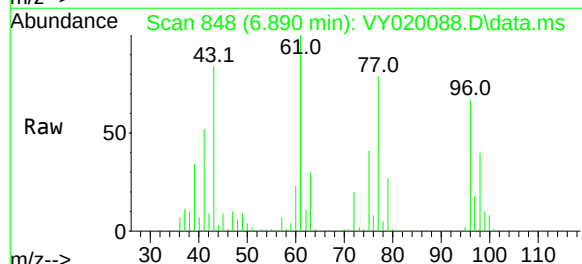
Manual Integrations
APPROVED

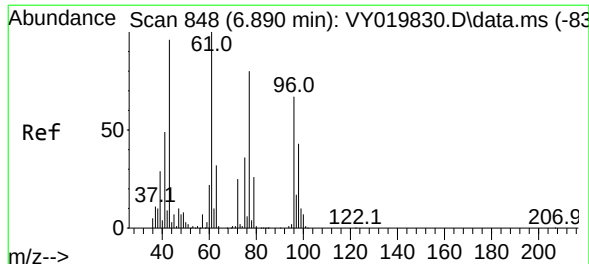
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#26
2,2-Dichloropropane
Concen: 20.441 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

Tgt Ion: 77 Resp: 103407
Ion Ratio Lower Upper
77 100
97 21.5 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 21.784 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 96 Resp: 79203

Ion Ratio Lower Upper

96 100

61 155.7 0.0 256.2

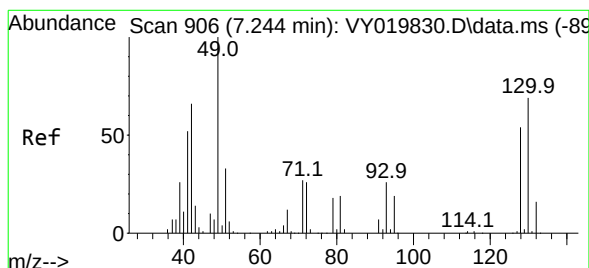
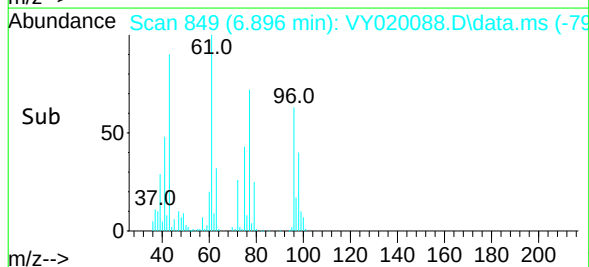
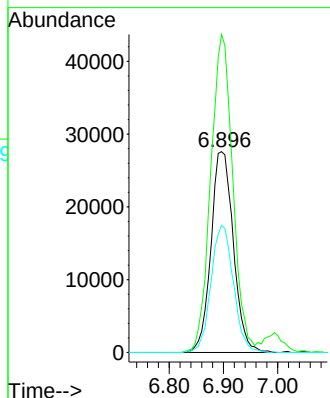
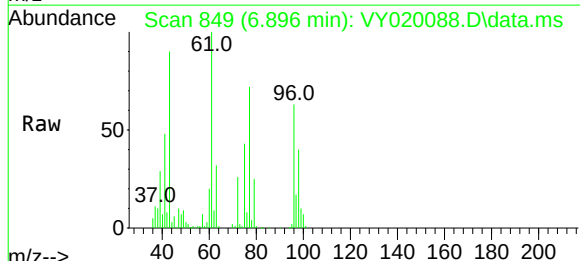
98 63.3 0.0 130.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#28

Bromochloromethane

Concen: 21.289 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

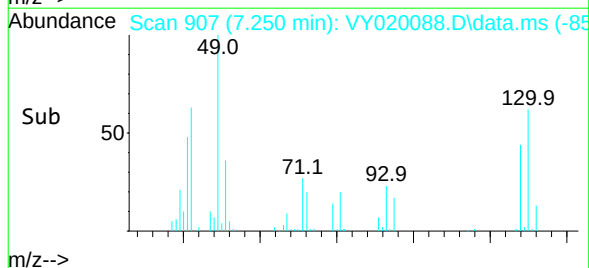
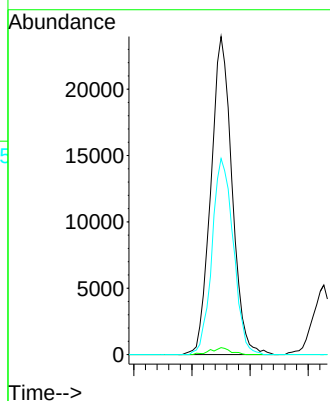
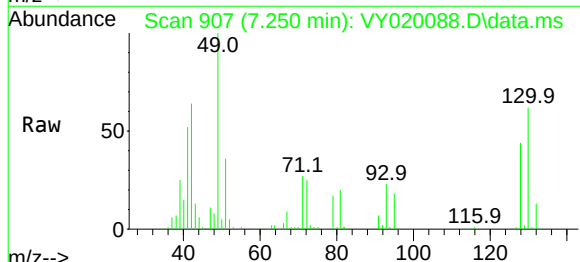
Tgt Ion: 49 Resp: 60610

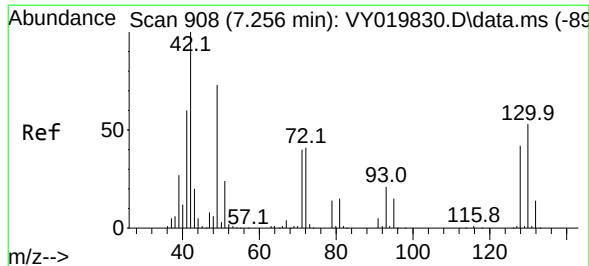
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

130 62.1 72.7 109.1#





#29

Tetrahydrofuran

Concen: 117.896 ug/l

RT: 7.268 min Scan# 91

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 42 Resp: 69569

Ion Ratio Lower Upper

42 100

72 40.3 43.0 64.4#

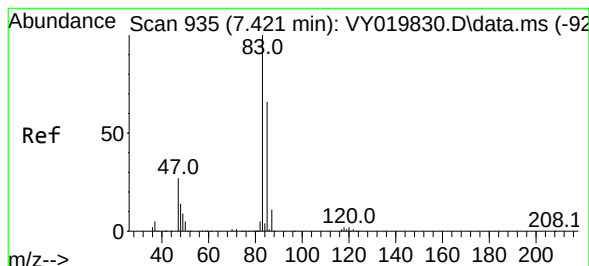
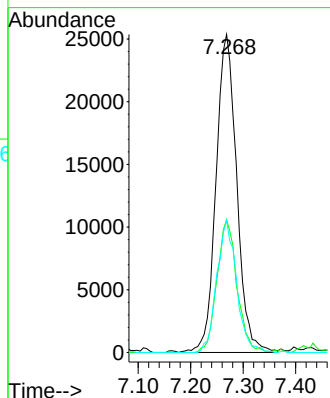
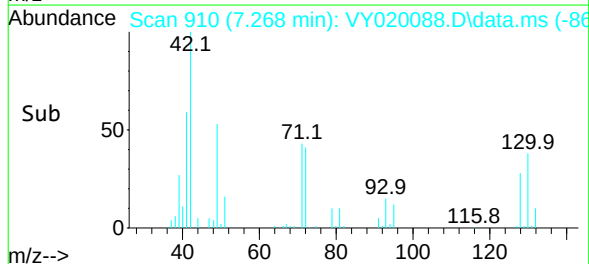
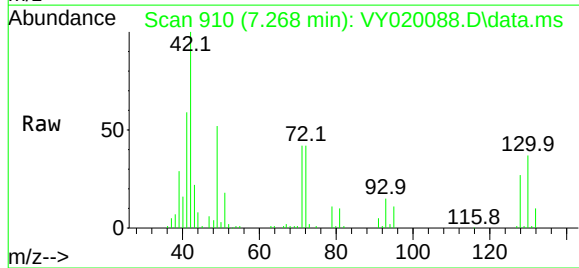
71 39.7 40.8 61.2#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#30

Chloroform

Concen: 21.496 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.007 min

Lab File: VY020088.D

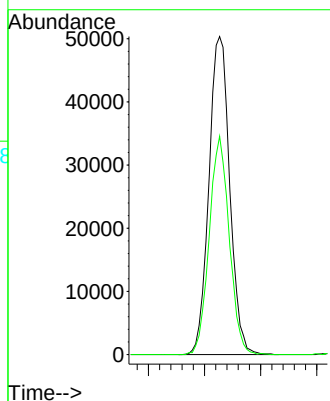
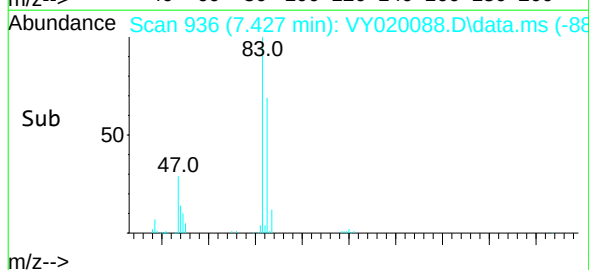
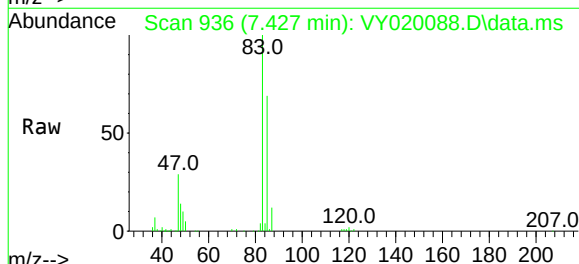
Acq: 31 Oct 2024 12:43

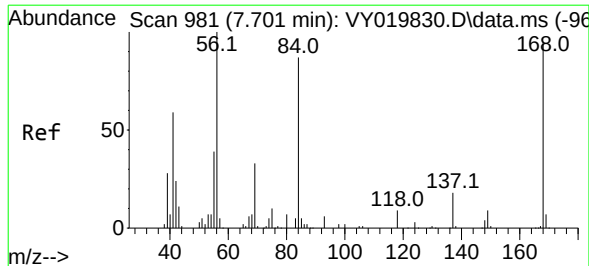
Tgt Ion: 83 Resp: 129696

Ion Ratio Lower Upper

83 100

85 68.7 52.2 78.4





#31

Cyclohexane

Concen: 20.000 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.007 min

Lab File: VY020088.D

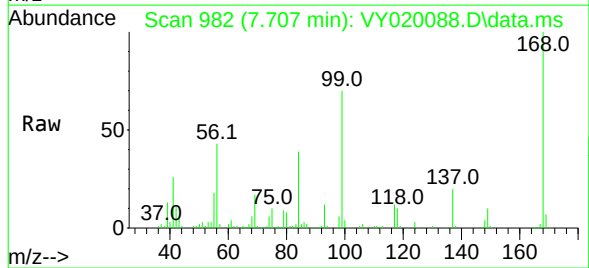
Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01



Tgt Ion: 56 Resp: 117723

Ion Ratio Lower Upper

56 100

69 39.1 28.7 43.1

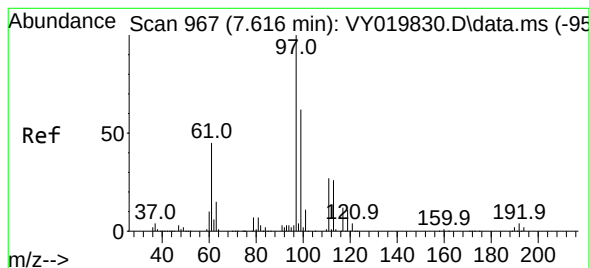
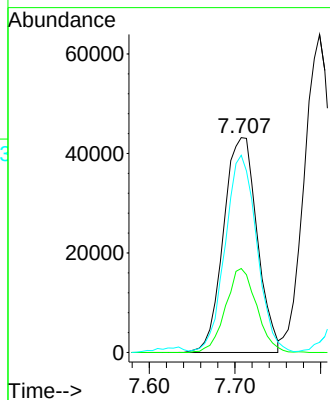
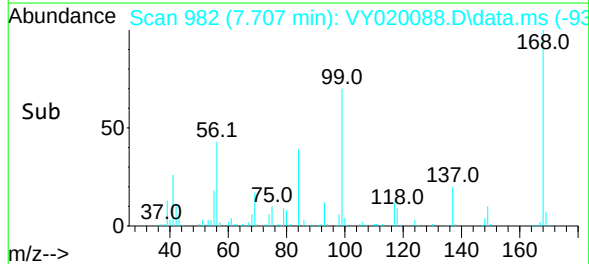
84 88.9 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#32

1,1,1-Trichloroethane

Concen: 21.119 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

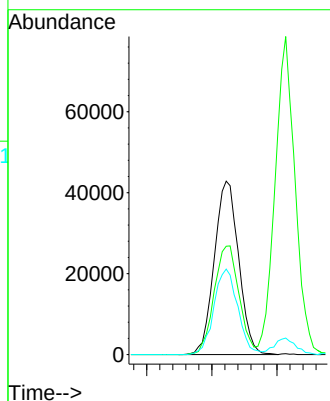
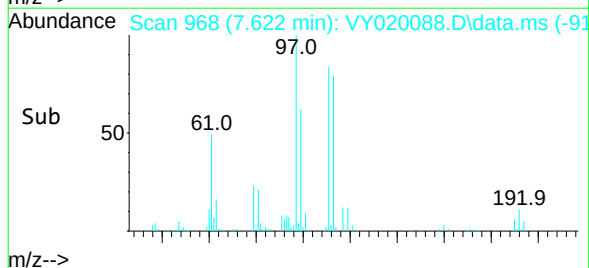
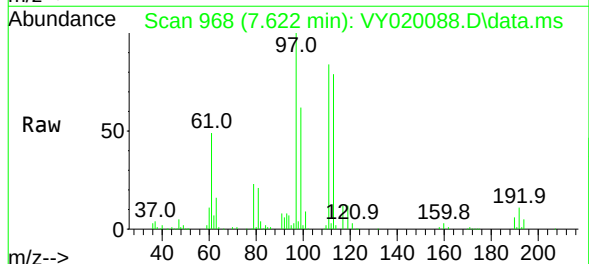
Tgt Ion: 97 Resp: 111248

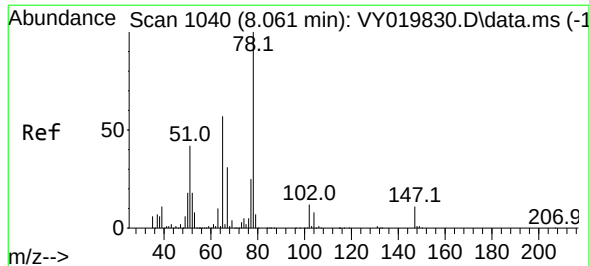
Ion Ratio Lower Upper

97 100

99 63.9 50.3 75.5

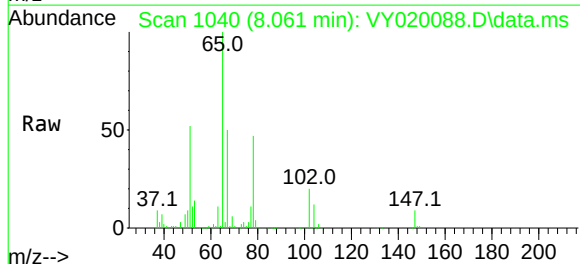
61 48.5 32.6 48.8





#33
1,2-Dichloroethane-d4
Concen: 50.942 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

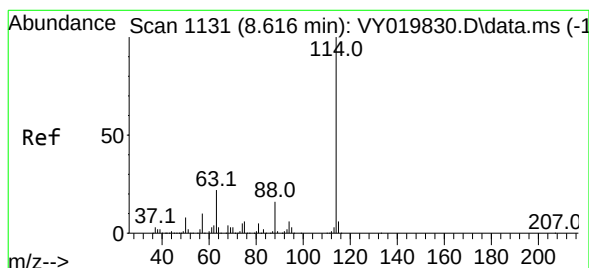
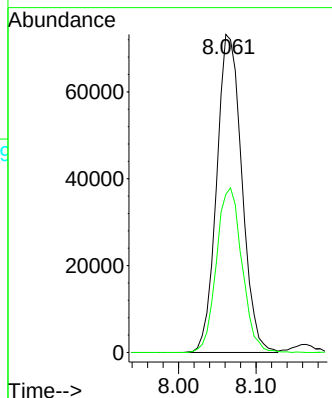
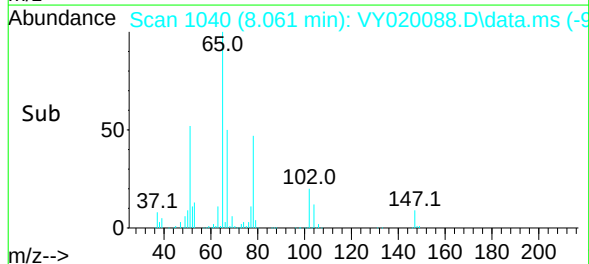
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01



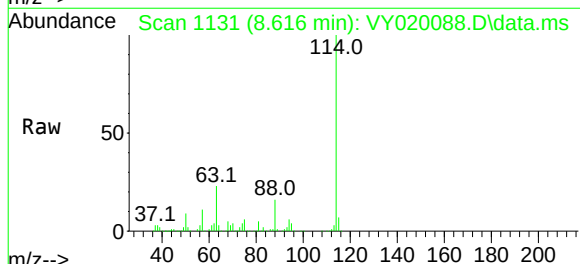
Tgt Ion: 65 Resp: 165235
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6

Manual Integrations
APPROVED

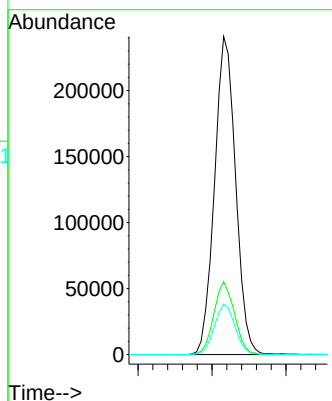
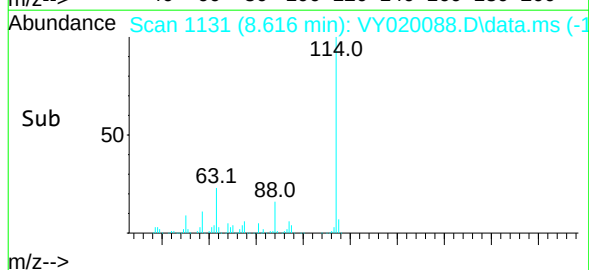
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

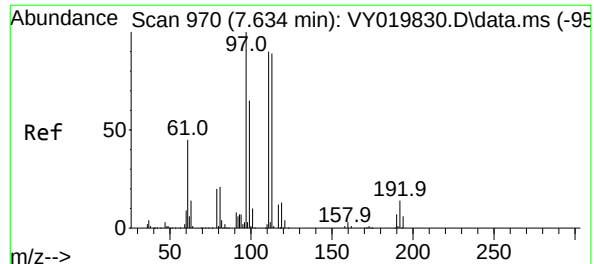


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43



Tgt Ion:114 Resp: 476917
Ion Ratio Lower Upper
114 100
63 22.9 0.0 35.0
88 15.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 7.640 min Scan# 970

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 113 Resp: 151304

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

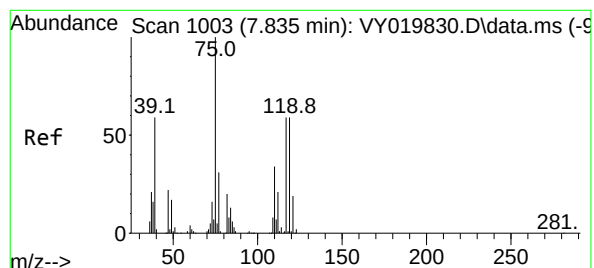
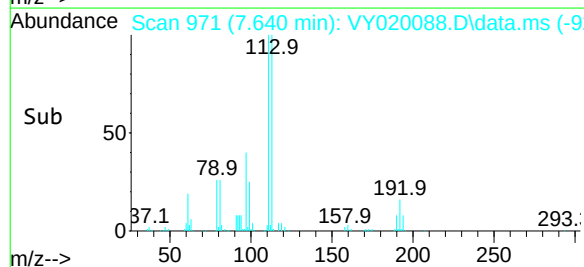
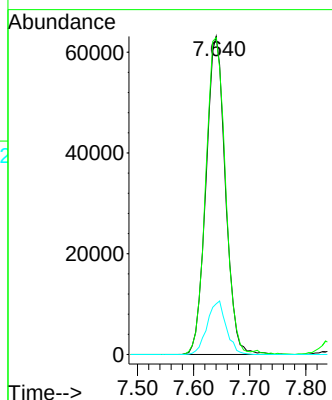
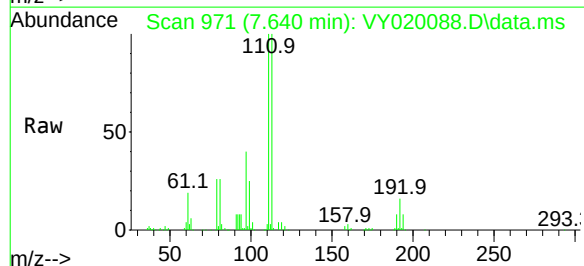
192 16.5 15.9 23.9

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024

Supervised By : Mahesh Dadoda 11/04/2024



#36

1,1-Dichloropropene

Concen: 20.268 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

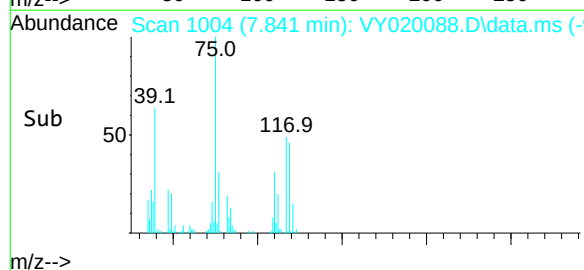
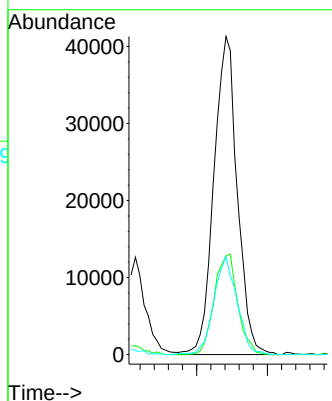
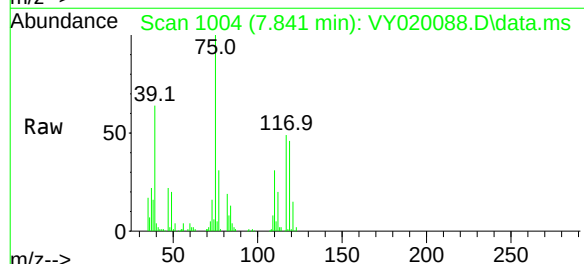
Tgt Ion: 75 Resp: 94936

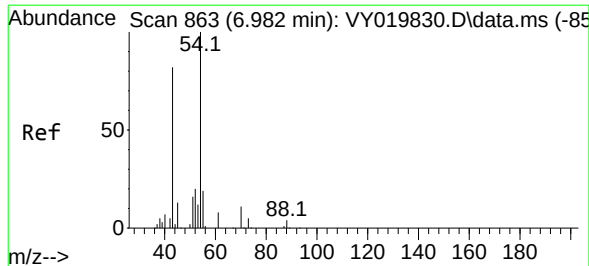
Ion Ratio Lower Upper

75 100

110 31.5 19.0 57.0

77 30.5 25.3 37.9





#37

Ethyl Acetate

Concen: 21.522 ug/l

RT: 6.988 min Scan# 86

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 43 Resp: 48064

Ion Ratio Lower Upper

43 100

61 11.3 12.6 19.0

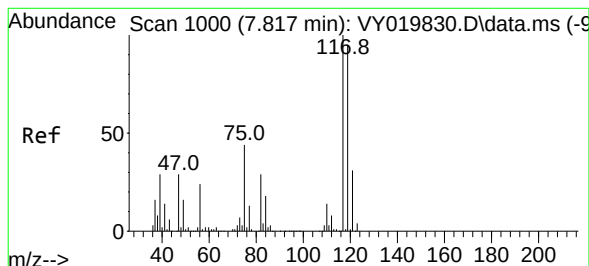
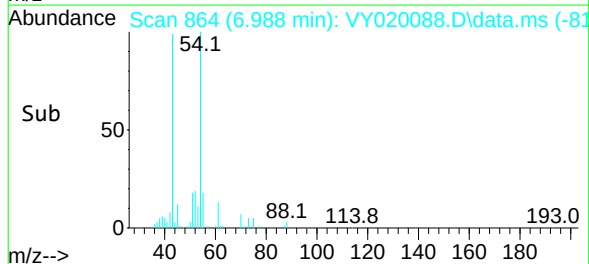
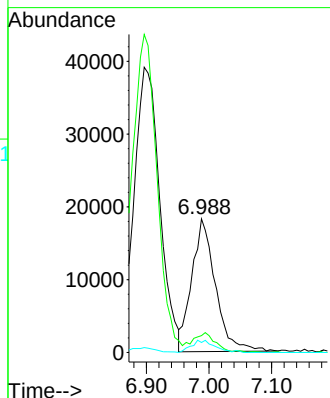
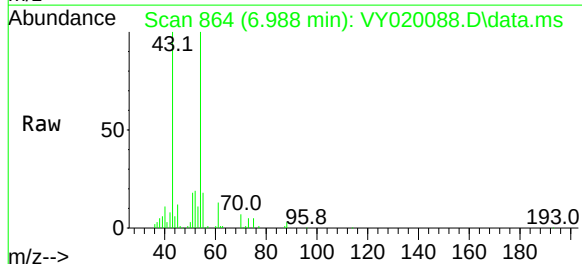
70 8.7 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#38

Carbon Tetrachloride

Concen: 19.687 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

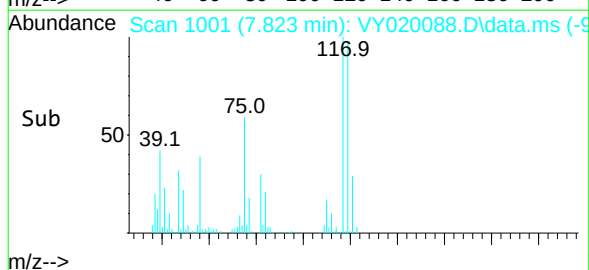
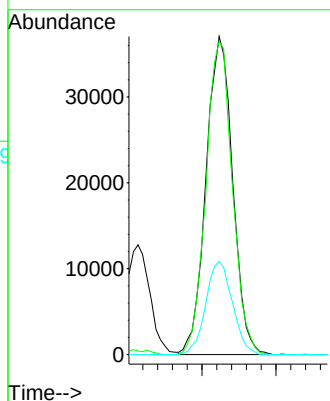
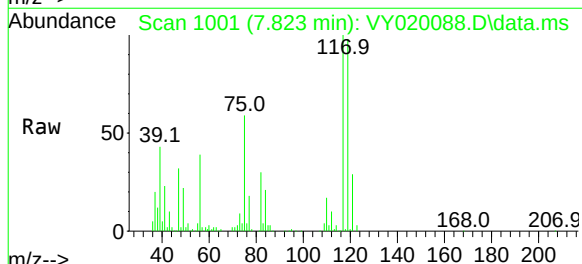
Tgt Ion:117 Resp: 92730

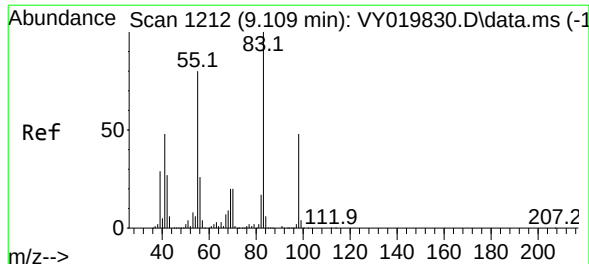
Ion Ratio Lower Upper

117 100

119 98.4 75.8 113.6

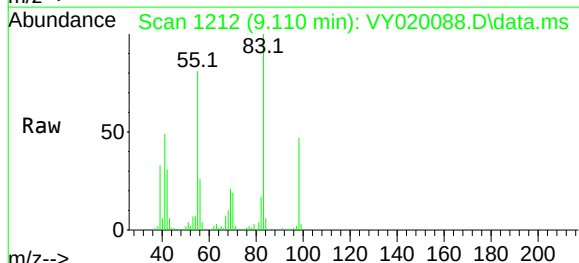
121 29.3 24.0 36.0





#39
Methylcyclohexane
Concen: 19.526 ug/l
RT: 9.110 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

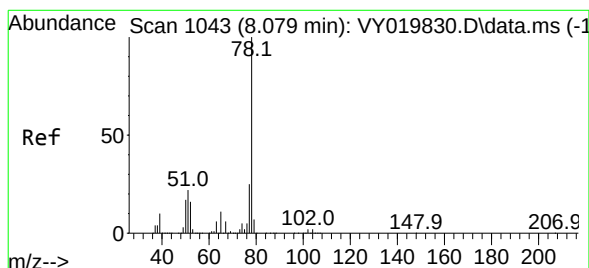
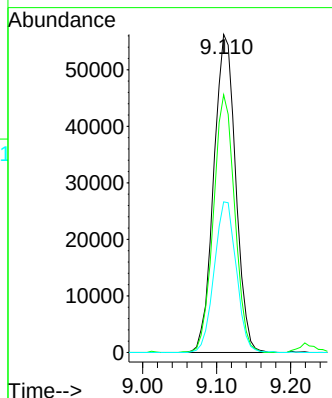
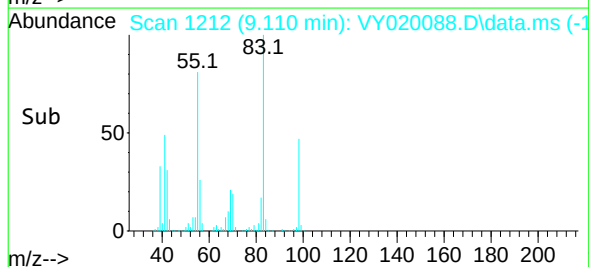
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01



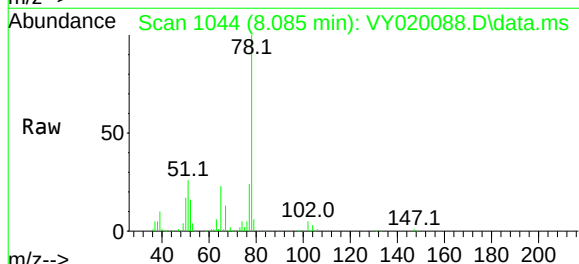
Tgt Ion: 83 Resp: 116079
Ion Ratio Lower Upper
83 100
55 81.0 51.5 77.3#
98 47.4 40.5 60.7

Manual Integrations
APPROVED

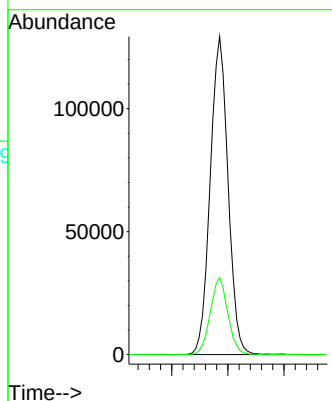
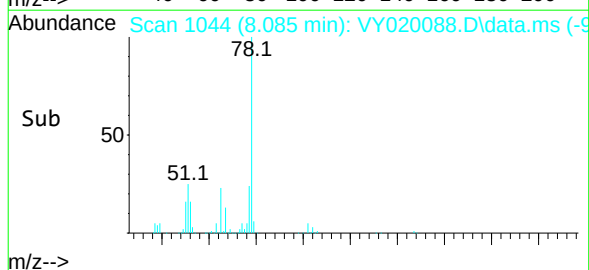
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

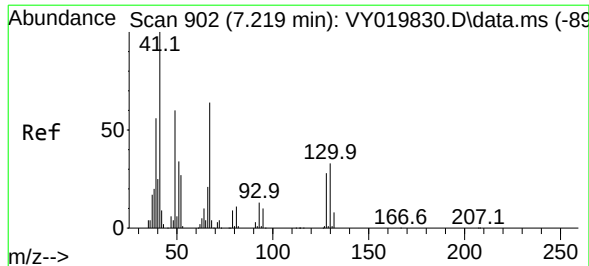


#40
Benzene
Concen: 20.883 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43



Tgt Ion: 78 Resp: 285518
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3





#41

Methacrylonitrile

Concen: 25.395 ug/l m

RT: 7.238 min Scan# 90

Delta R.T. 0.019 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBSD01

Tgt Ion: 41 Resp: 28409

Ion Ratio Lower Upper

41 100

39 58.0 48.0 72.0

67 0.0 75.1 112.7#

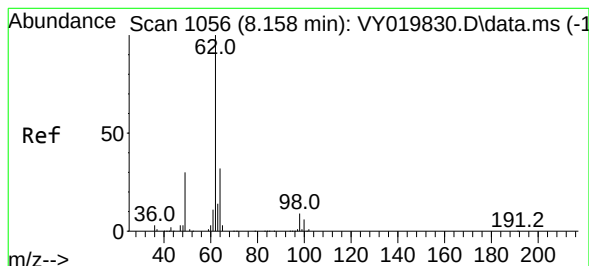
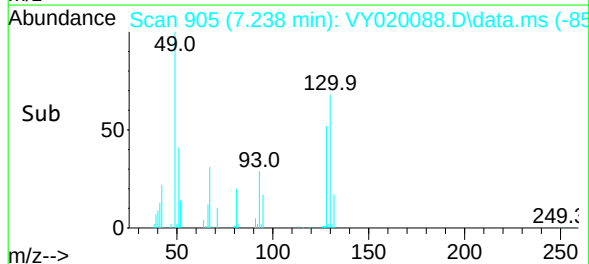
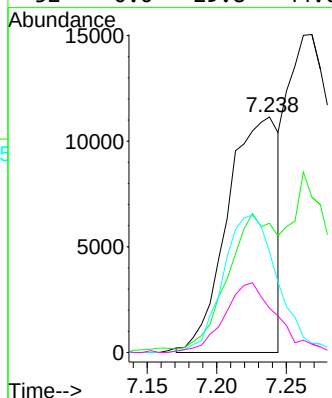
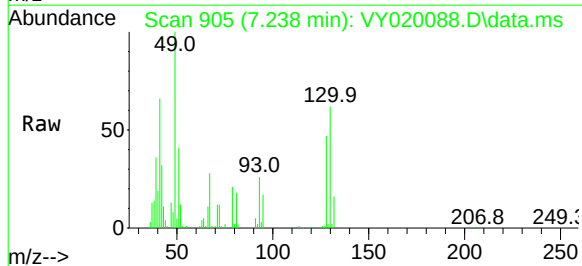
52 0.0 29.8 44.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#42

1,2-Dichloroethane

Concen: 21.588 ug/l

RT: 8.165 min Scan# 1057

Delta R.T. 0.007 min

Lab File: VY020088.D

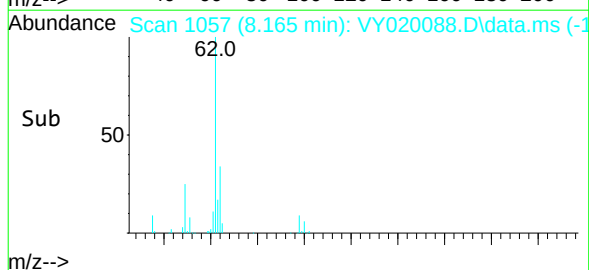
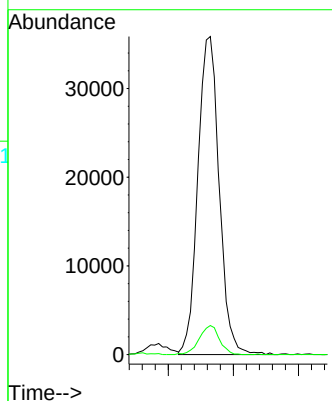
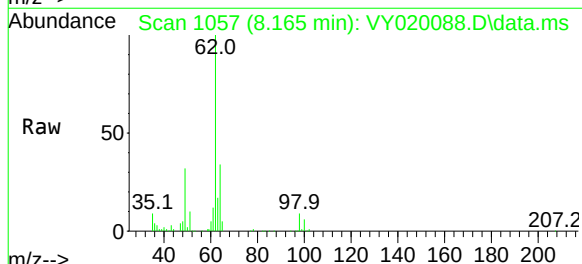
Acq: 31 Oct 2024 12:43

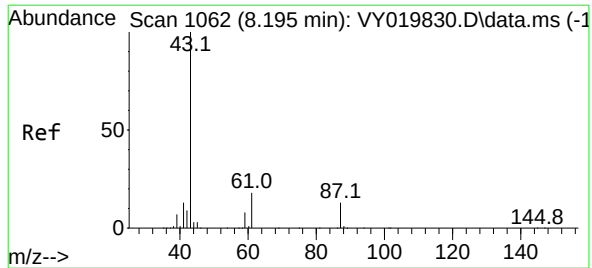
Tgt Ion: 62 Resp: 81697

Ion Ratio Lower Upper

62 100

98 8.6 0.0 22.0





#43

Isopropyl Acetate

Concen: 21.126 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.007 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

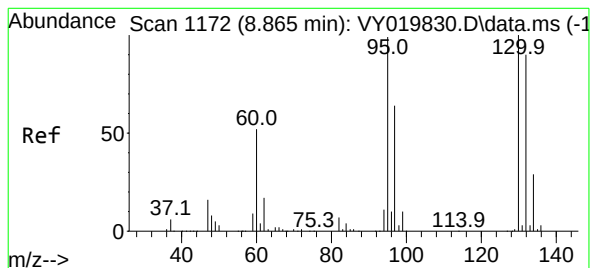
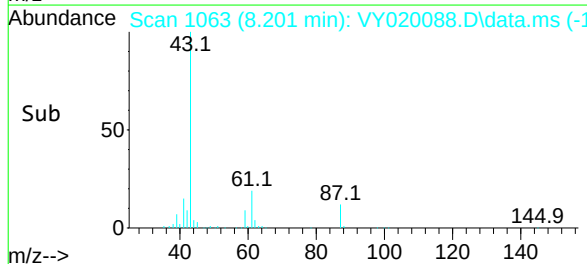
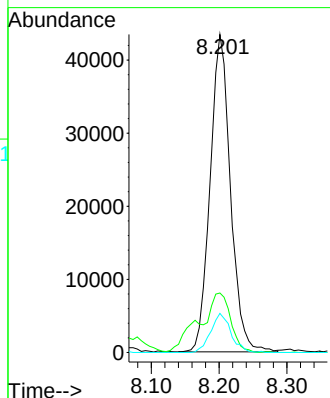
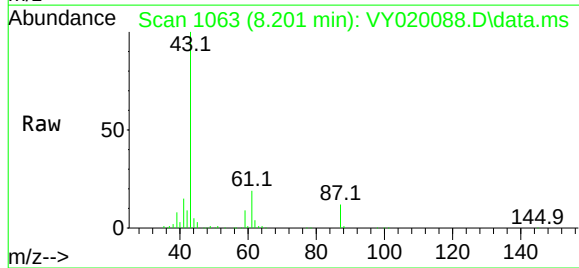
ClientSampleId :

VY1031SBS01

Tgt Ion: 43	Resp: 90722
Ion Ratio Lower Upper	
43 100	
61 19.2 27.9 41.9	
87 12.2 13.1 19.7	

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#44

Trichloroethene

Concen: 20.533 ug/l

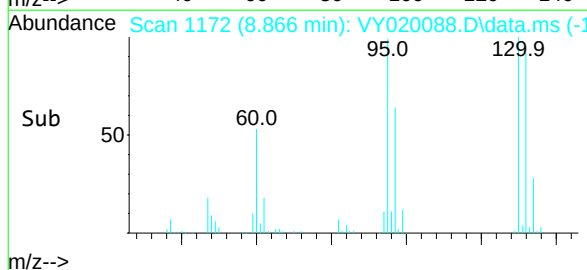
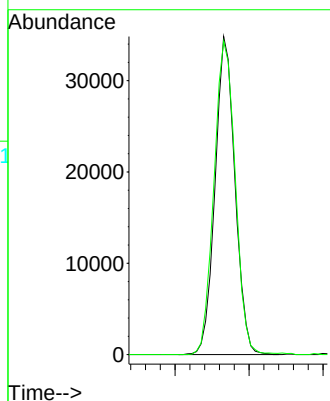
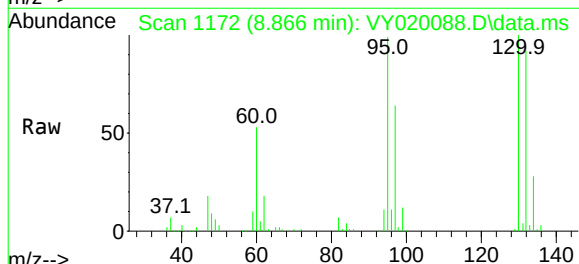
RT: 8.866 min Scan# 1172

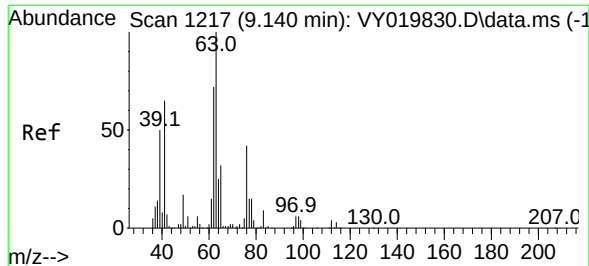
Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:130	Resp: 65063
Ion Ratio Lower Upper	
130 100	
95 98.6 0.0 188.0	





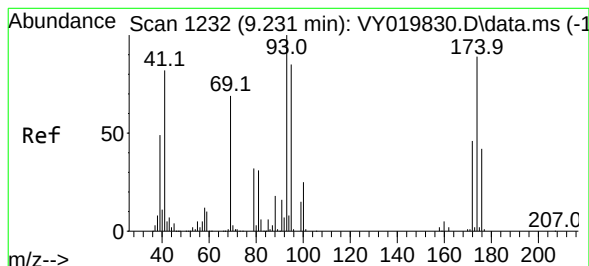
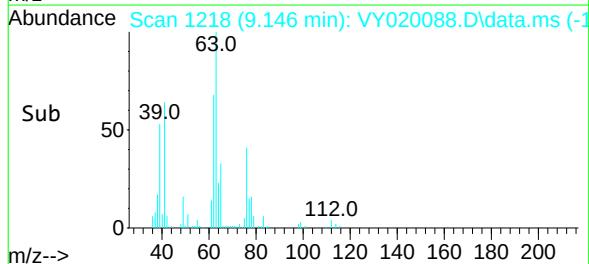
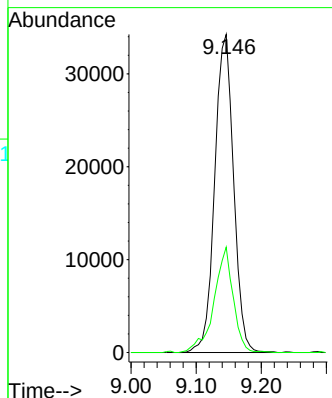
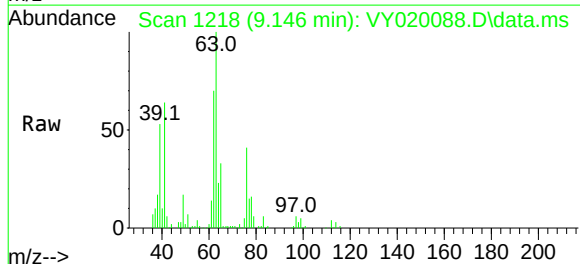
#45
1,2-Dichloropropane
Concen: 21.072 ug/l
RT: 9.146 min Scan# 1217
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01

Tgt Ion: 63 Resp: 68928
Ion Ratio Lower Upper
63 100
65 33.1 25.4 38.2

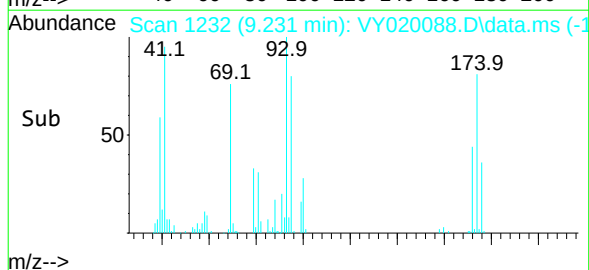
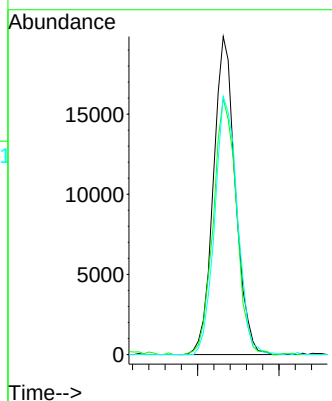
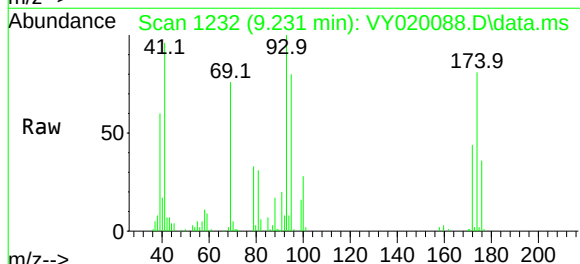
Manual Integrations
APPROVED

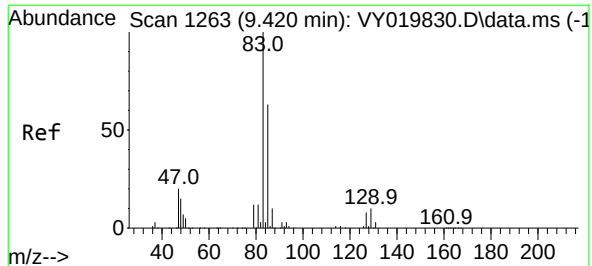
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#46
Dibromomethane
Concen: 21.023 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

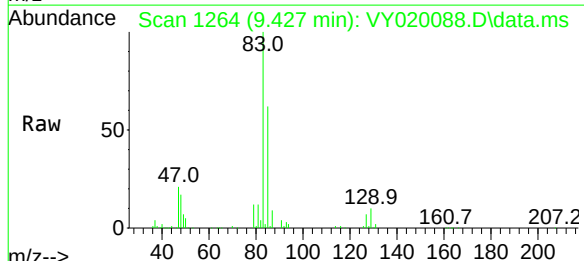
Tgt Ion: 93 Resp: 37262
Ion Ratio Lower Upper
93 100
95 84.6 66.2 99.4
174 83.4 80.9 121.3





#47
Bromodichloromethane
Concen: 21.138 ug/l
RT: 9.427 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

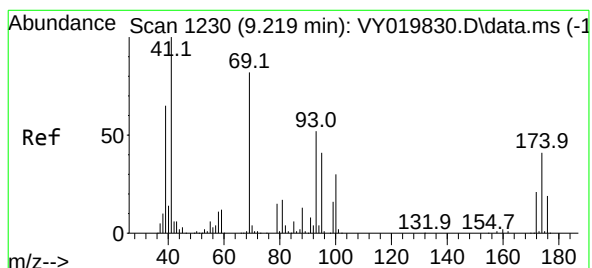
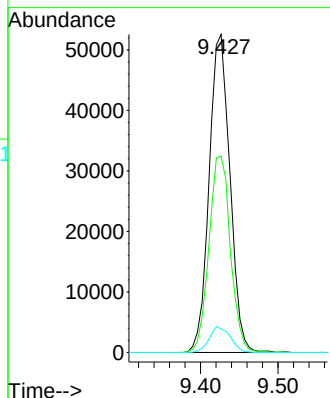
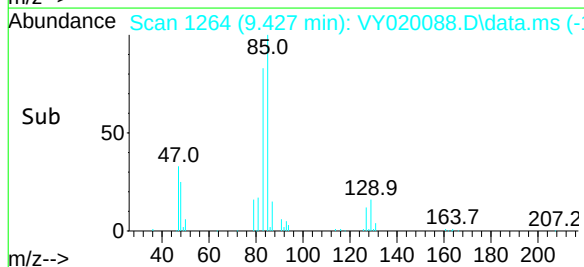
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01



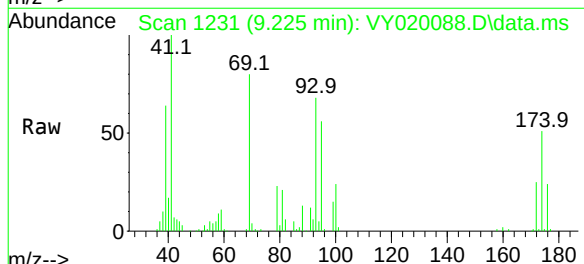
Tgt Ion: 83 Resp: 98150
Ion Ratio Lower Upper
83 100
85 61.8 50.1 75.1
127 7.4 7.4 11.0

Manual Integrations
APPROVED

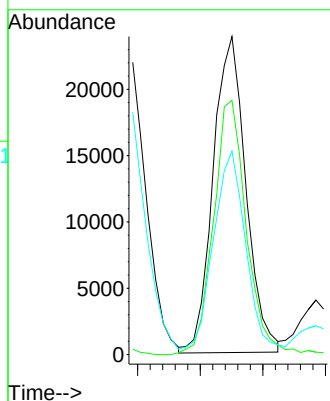
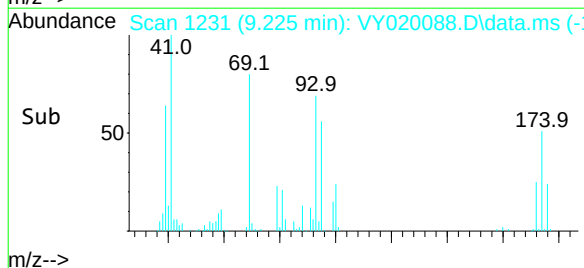
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

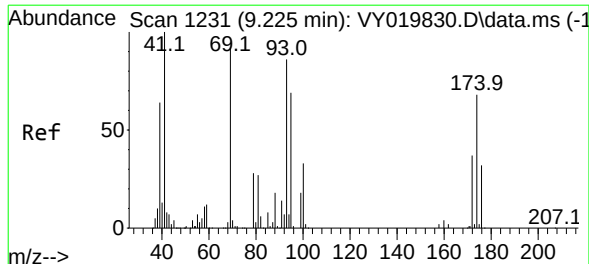


#48
Methyl methacrylate
Concen: 21.800 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.007 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43



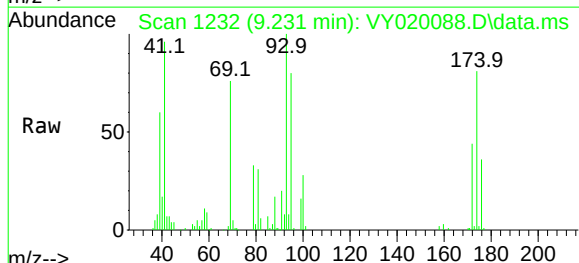
Tgt Ion: 41 Resp: 43363
Ion Ratio Lower Upper
41 100
69 81.1 84.1 126.1#
39 60.8 43.6 65.4





#49
1,4-Dioxane
Concen: 449.203 ug/l
RT: 9.231 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

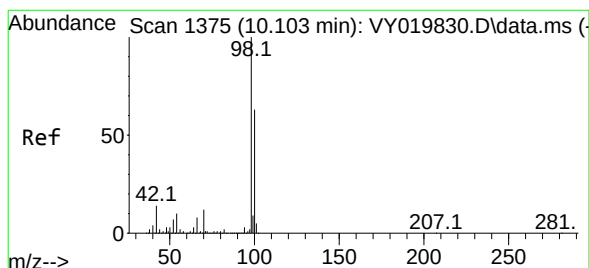
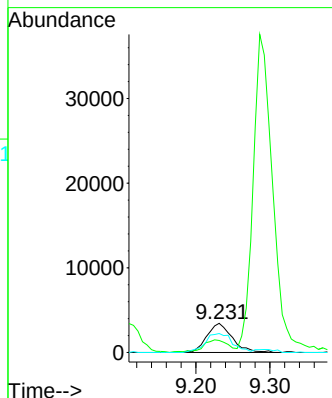
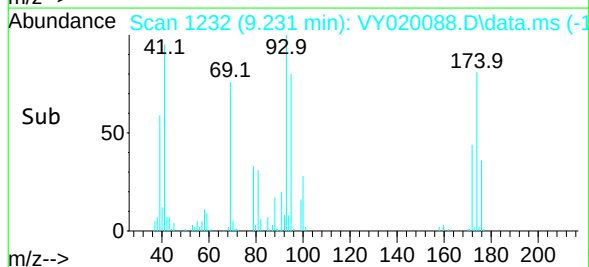
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBSD01



Tgt Ion: 88 Resp: 8197
Ion Ratio Lower Upper
88 100
43 44.2 0.0 0.0#
58 70.1 49.3 73.9

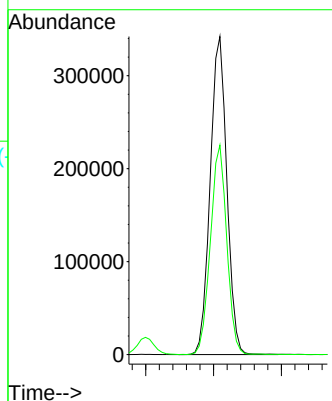
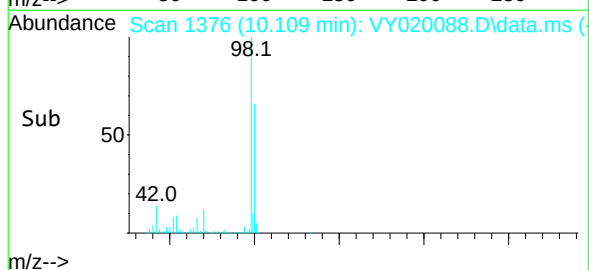
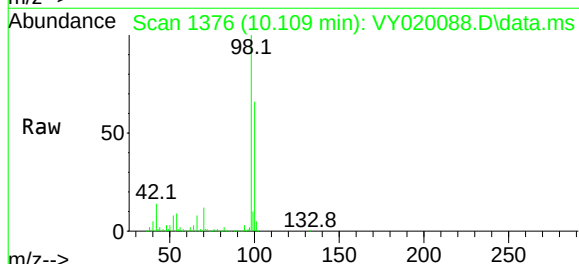
Manual Integrations
APPROVED

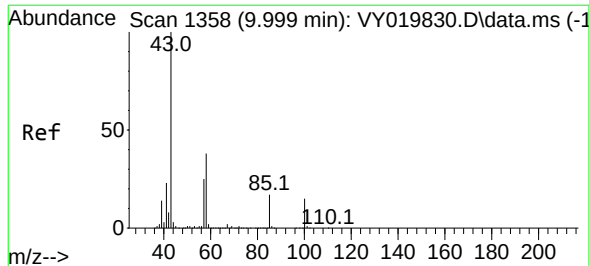
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#50
Toluene-d8
Concen: 48.351 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

Tgt Ion: 98 Resp: 583585
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 108.839 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 43 Resp: 240835

Ion Ratio Lower Upper

43 100

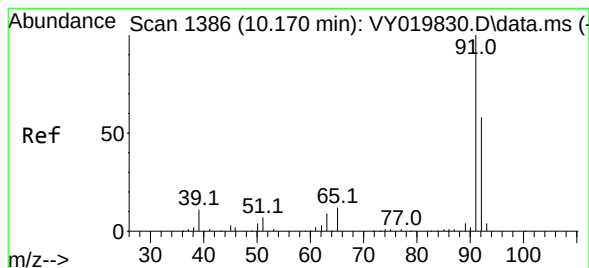
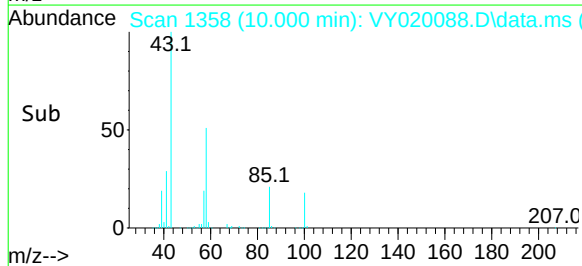
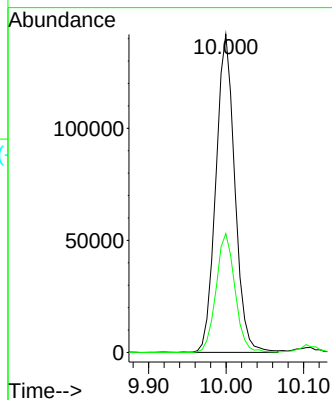
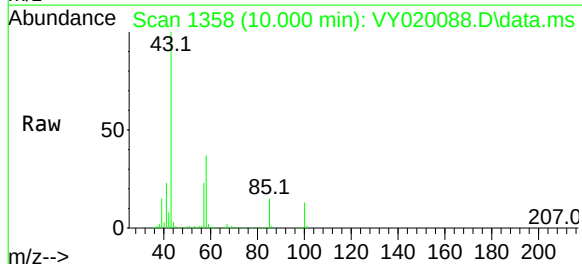
58 37.4 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#52

Toluene

Concen: 21.087 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020088.D

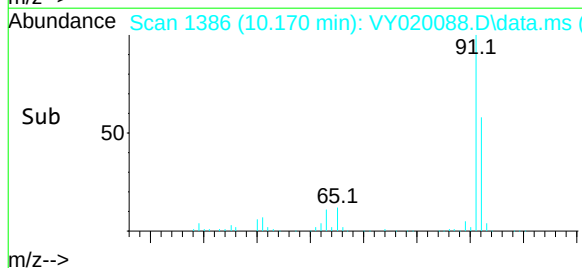
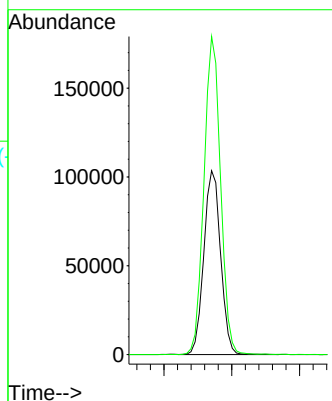
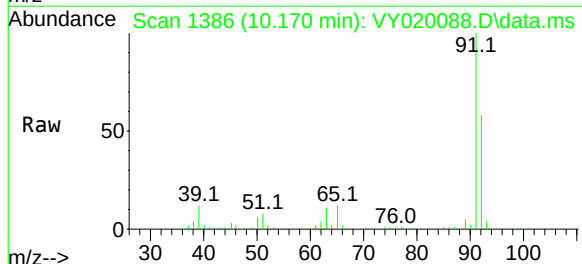
Acq: 31 Oct 2024 12:43

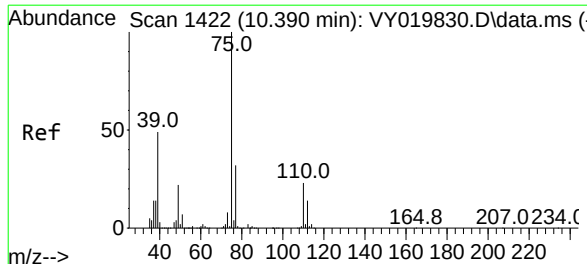
Tgt Ion: 92 Resp: 177714

Ion Ratio Lower Upper

92 100

91 171.0 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 20.941 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion: 75 Resp: 85861

Ion Ratio Lower Upper

75 100

77 34.2 24.1 36.1

Instrument :

MSVOA_Y

ClientSampleId :

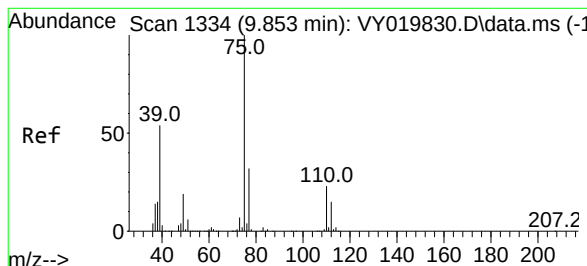
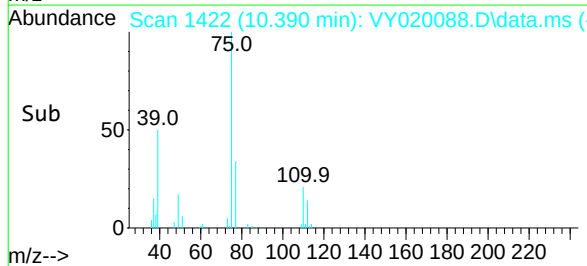
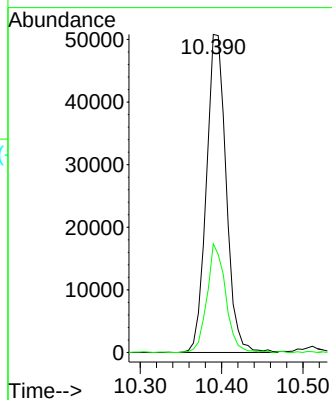
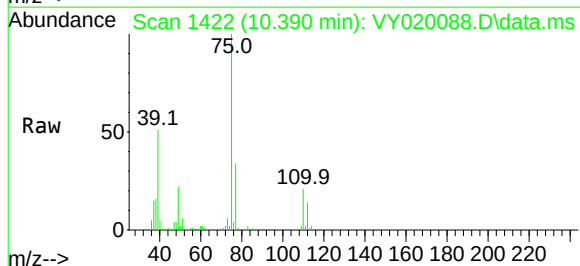
VY1031SBS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#54

cis-1,3-Dichloropropene

Concen: 21.230 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

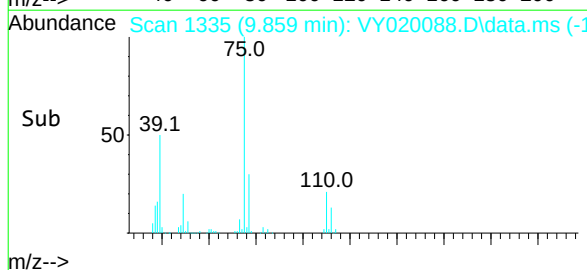
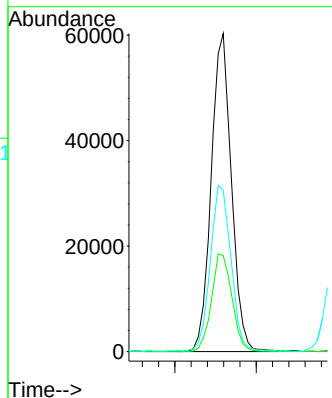
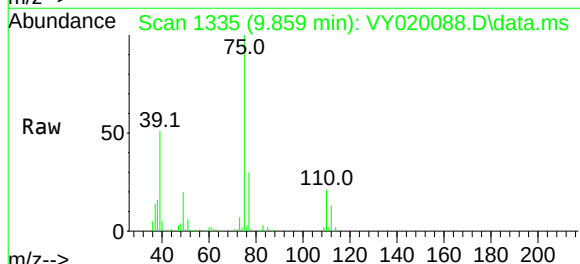
Tgt Ion: 75 Resp: 103898

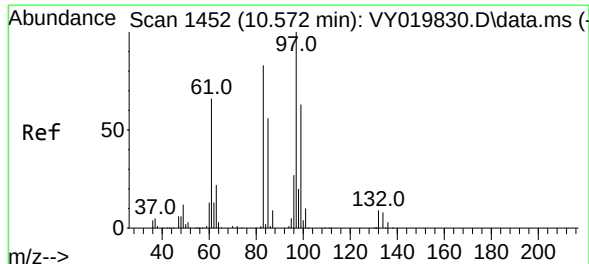
Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0

39 50.5 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 21.555 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 97 Resp: 47501

Ion Ratio Lower Upper

97 100

83 90.2 67.5 101.3

85 58.5 42.9 64.3

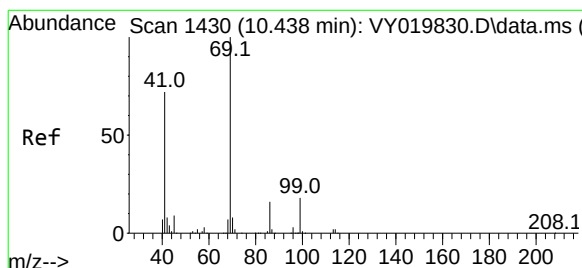
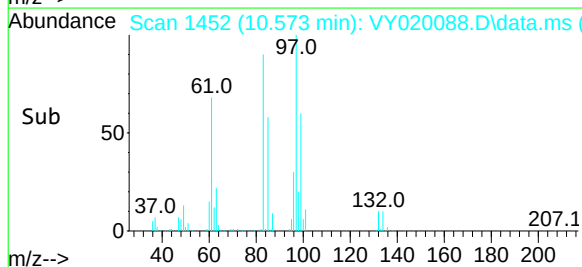
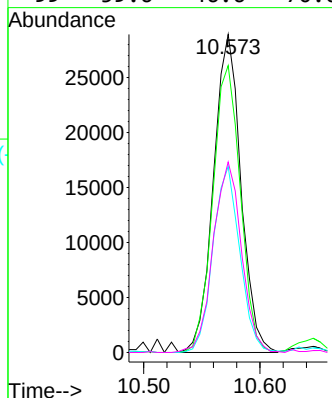
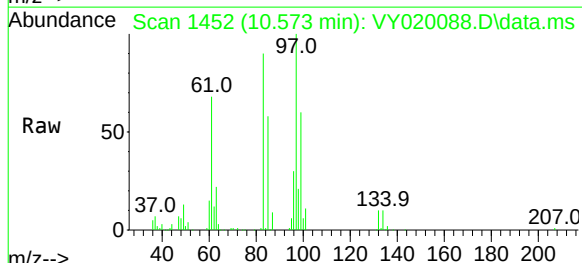
99 59.6 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#56

Ethyl methacrylate

Concen: 20.609 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

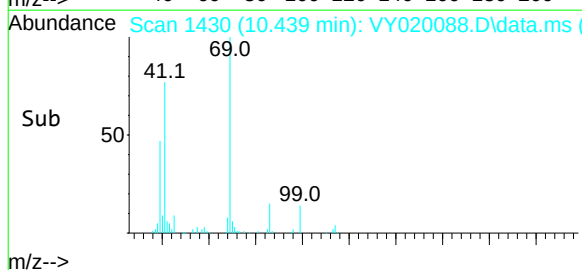
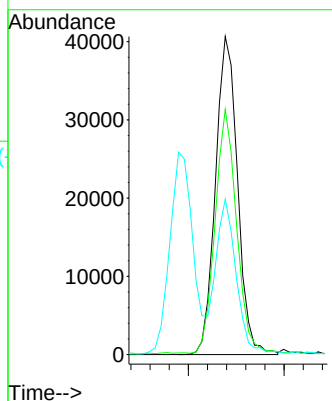
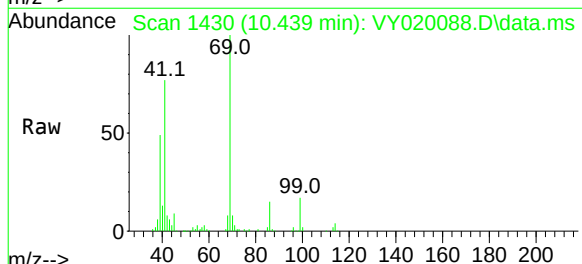
Tgt Ion: 69 Resp: 65147

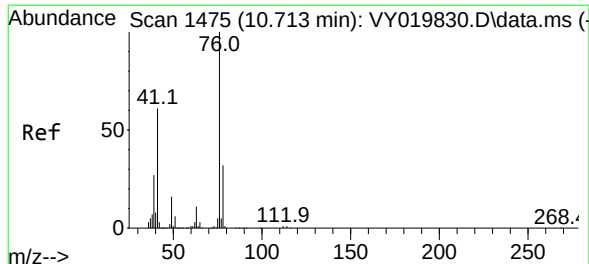
Ion Ratio Lower Upper

69 100

41 74.3 42.3 63.5#

39 43.6 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 21.389 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBSD01

Tgt Ion: 76 Resp: 86318

Ion Ratio Lower Upper

76 100

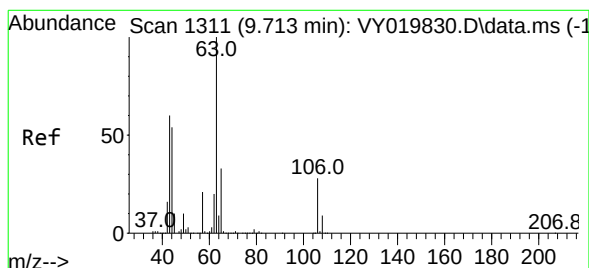
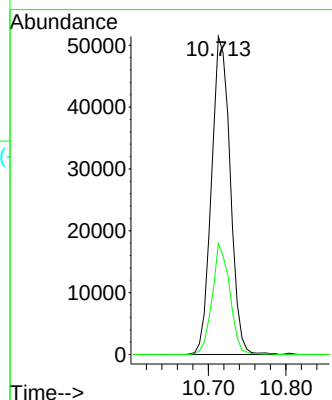
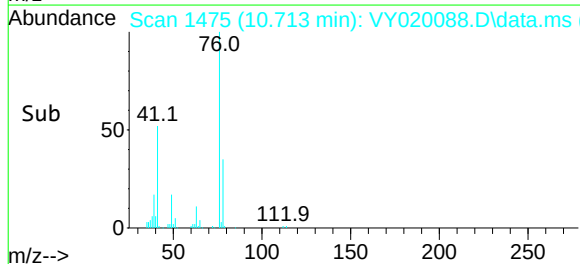
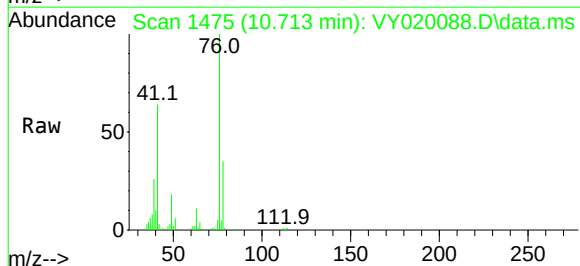
78 32.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#58

2-Chloroethyl Vinyl ether

Concen: 104.936 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY020088.D

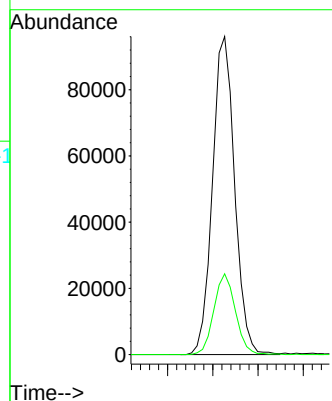
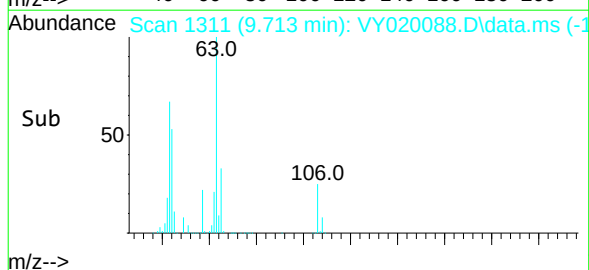
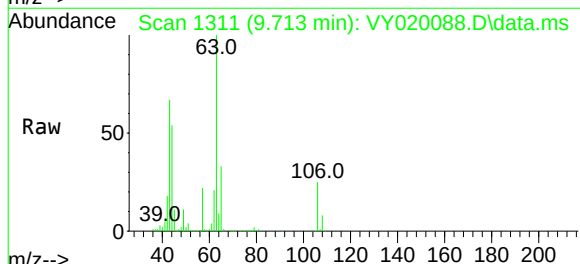
Acq: 31 Oct 2024 12:43

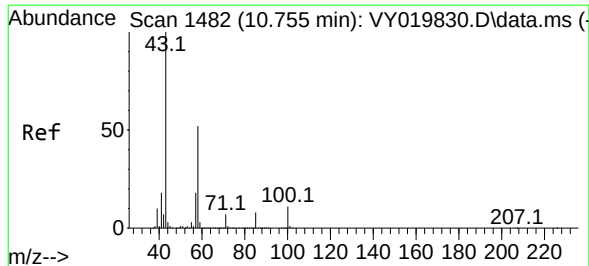
Tgt Ion: 63 Resp: 163594

Ion Ratio Lower Upper

63 100

106 24.7 23.7 35.5





#59

2-Hexanone

Concen: 104.999 ug/l

RT: 10.762 min Scan# 1482

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 43 Resp: 166569

Ion Ratio Lower Upper

43 100

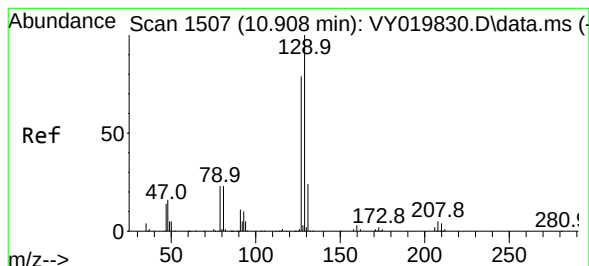
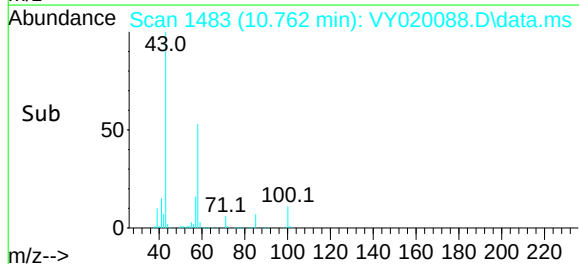
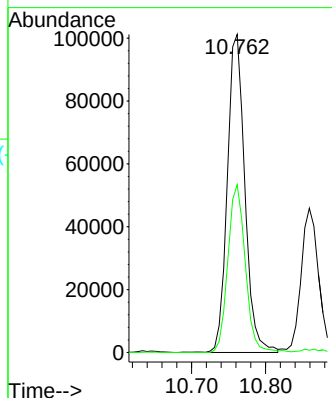
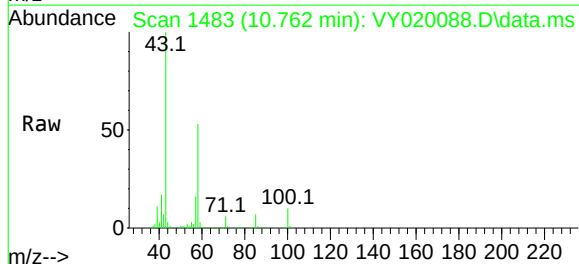
58 52.4 31.4 94.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#60

Dibromochloromethane

Concen: 20.805 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.006 min

Lab File: VY020088.D

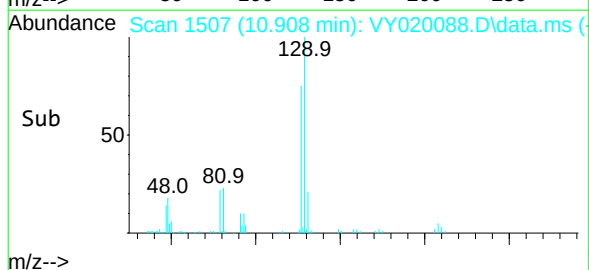
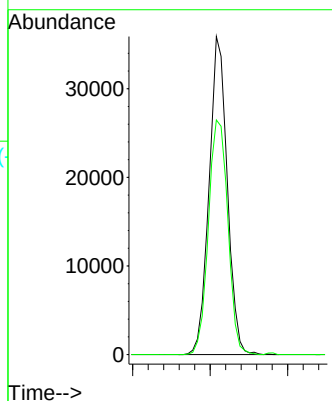
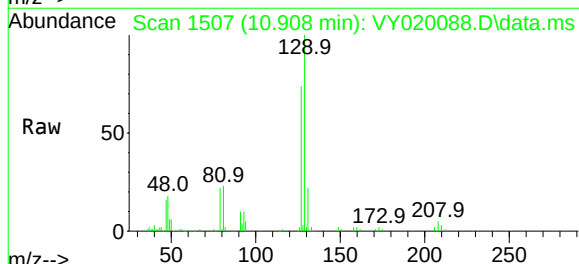
Acq: 31 Oct 2024 12:43

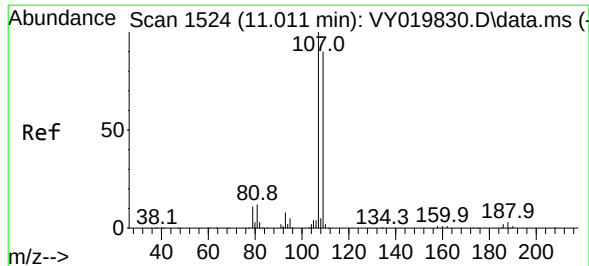
Tgt Ion:129 Resp: 58443

Ion Ratio Lower Upper

129 100

127 78.9 39.0 117.0





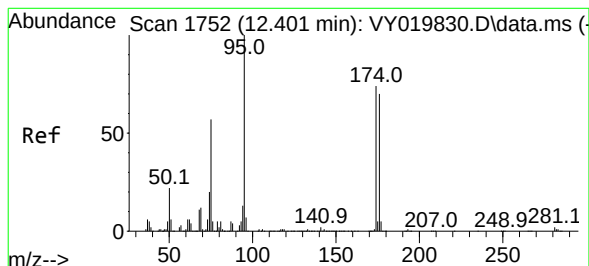
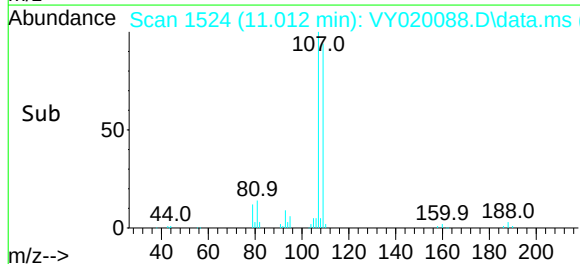
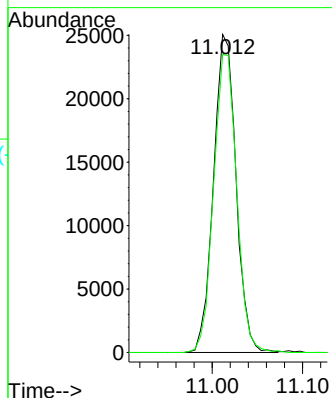
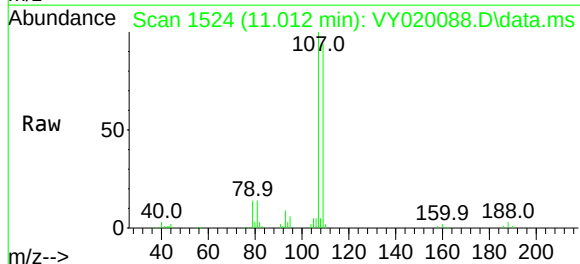
#61
1,2-Dibromoethane
Concen: 21.159 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBS01

Tgt Ion: 107 Resp: 43322
Ion Ratio Lower Upper
107 100
109 96.4 75.9 113.9

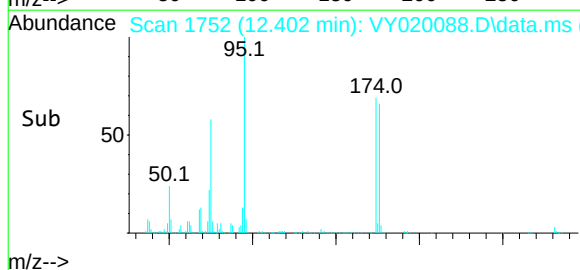
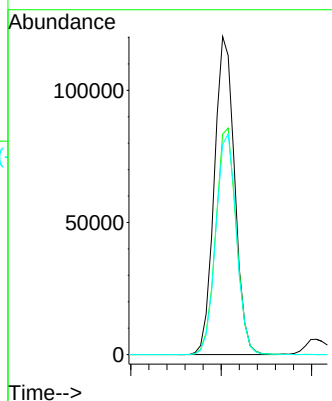
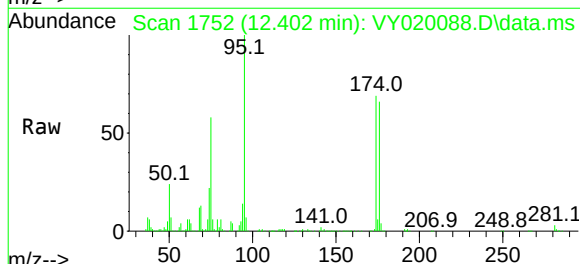
Manual Integrations
APPROVED

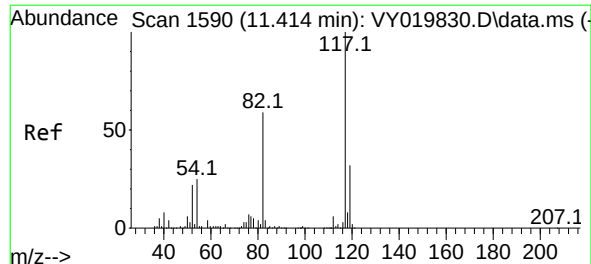
Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024



#62
4-Bromofluorobenzene
Concen: 47.966 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020088.D
Acq: 31 Oct 2024 12:43

Tgt Ion: 95 Resp: 188045
Ion Ratio Lower Upper
95 100
174 72.0 0.0 175.6
176 70.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBSD01

Tgt Ion:117 Resp: 414477

Ion Ratio Lower Upper

117 100

82 61.7 42.4 63.6

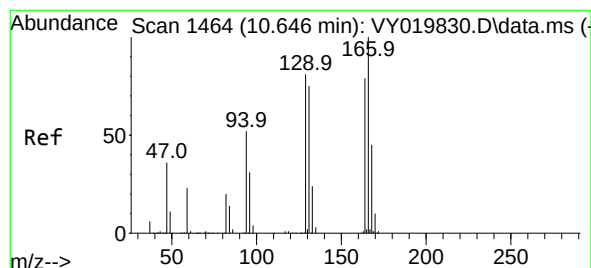
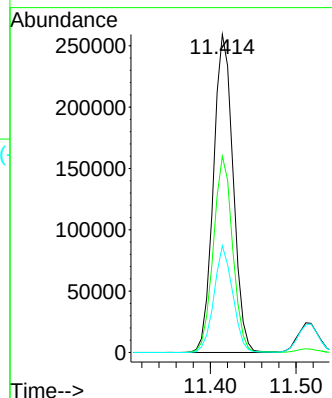
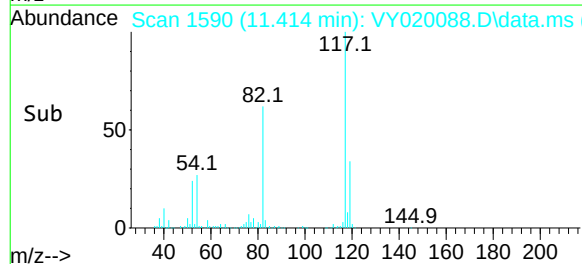
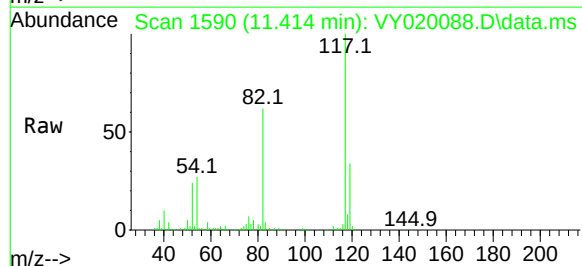
119 33.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#64

Tetrachloroethene

Concen: 20.299 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:164 Resp: 55552

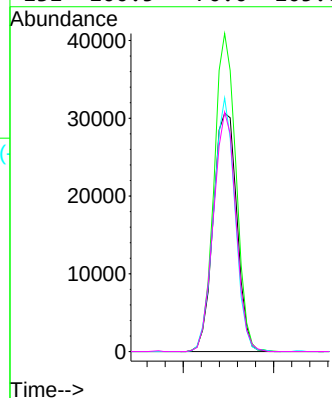
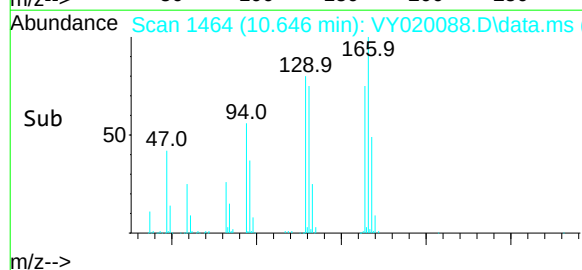
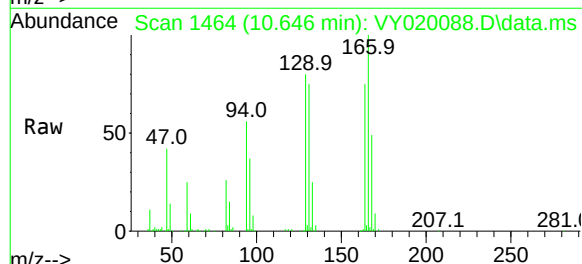
Ion Ratio Lower Upper

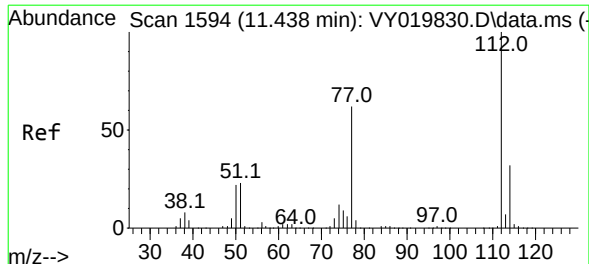
164 100

166 133.5 102.6 154.0

129 106.4 72.0 108.0

131 100.5 70.0 105.0





#65

Chlorobenzene

Concen: 20.749 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:112 Resp: 183247

Ion Ratio Lower Upper

112 100

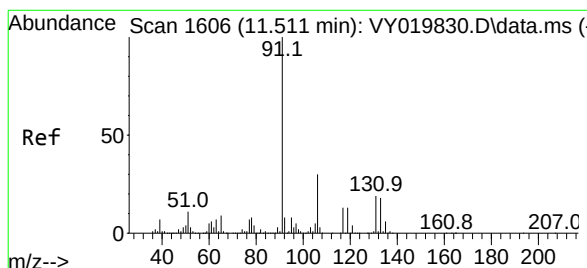
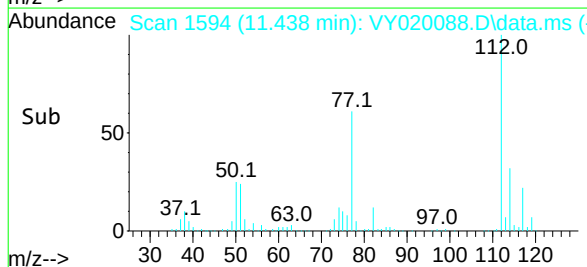
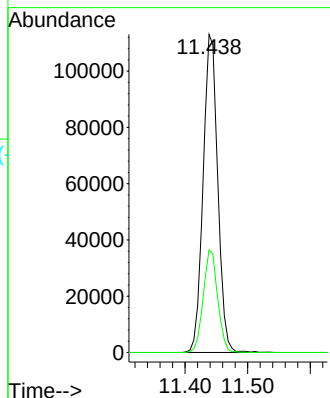
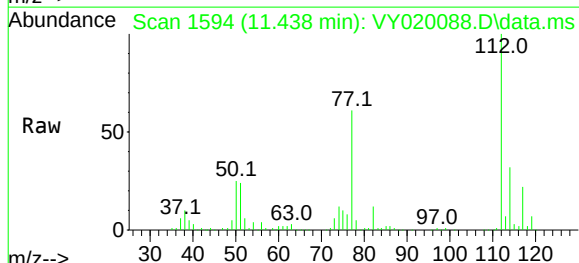
114 32.3 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 20.607 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

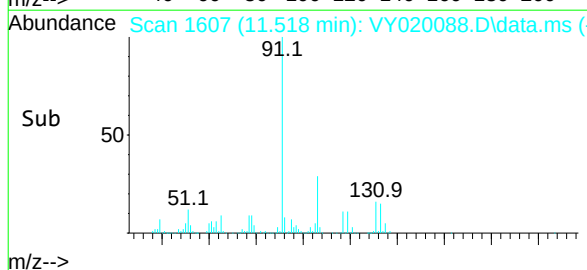
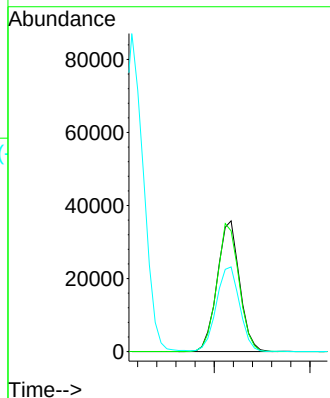
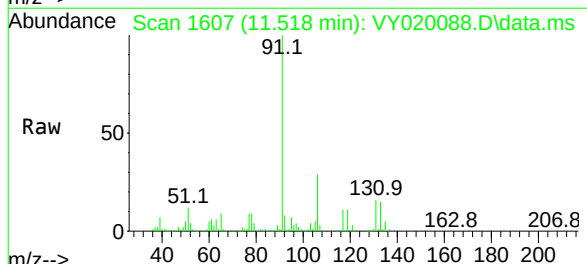
Tgt Ion:131 Resp: 58146

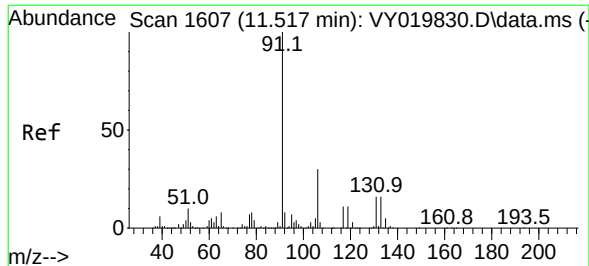
Ion Ratio Lower Upper

131 100

133 96.6 47.8 143.3

119 67.6 34.1 102.2





#67

Ethyl Benzene

Concen: 20.566 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 91 Resp: 339521

Ion Ratio Lower Upper

91 100

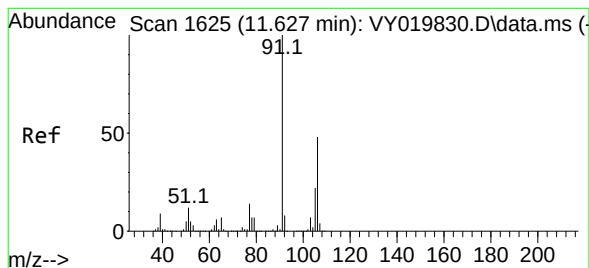
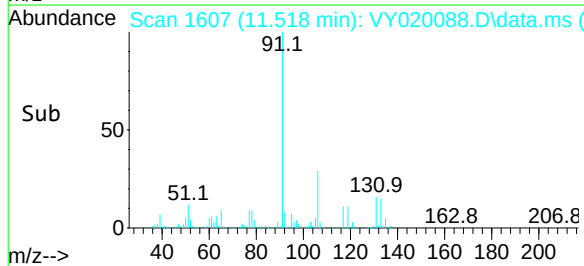
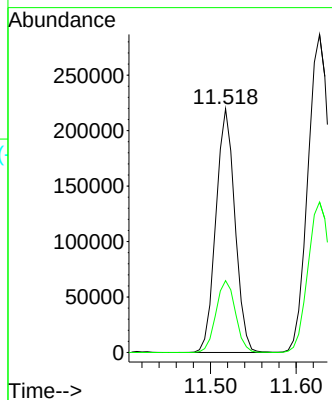
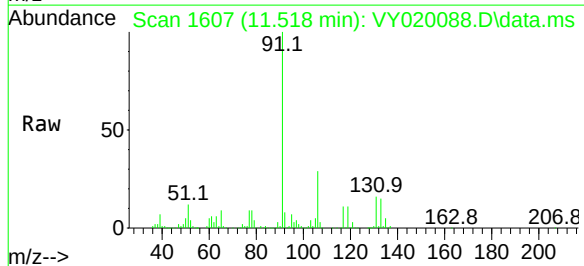
106 29.5 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#68

m/p-Xylenes

Concen: 41.150 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020088.D

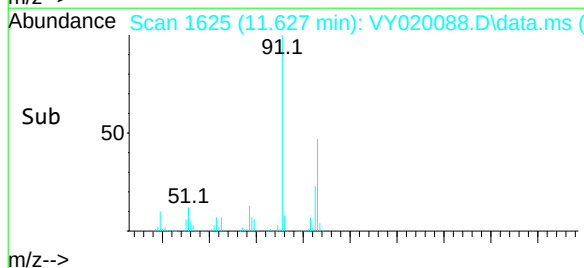
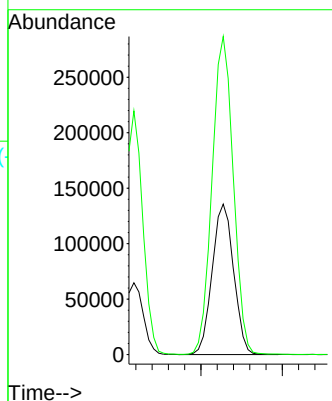
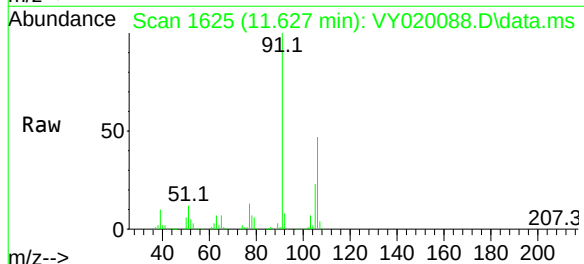
Acq: 31 Oct 2024 12:43

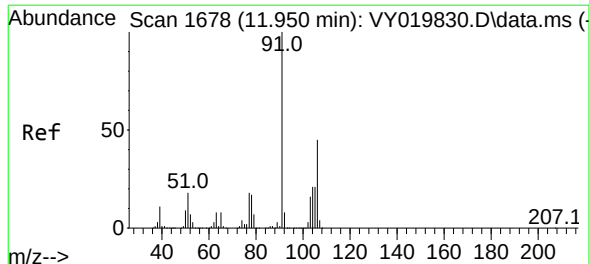
Tgt Ion:106 Resp: 248547

Ion Ratio Lower Upper

106 100

91 208.8 156.0 234.0





#69

o-Xylene

Concen: 20.483 ug/l

RT: 11.957 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:106 Resp: 117130

Ion Ratio Lower Upper

106 100

91 223.8 103.6 310.8

Instrument :

MSVOA_Y

ClientSampleId :

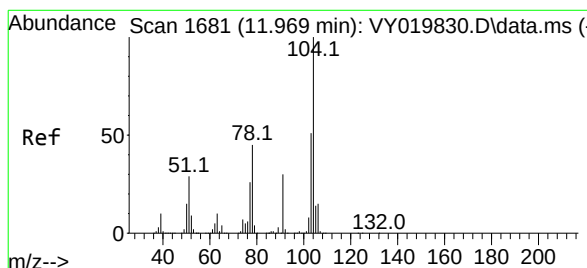
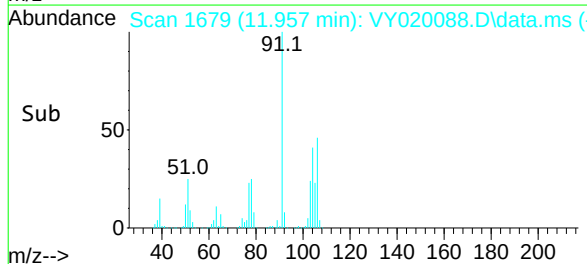
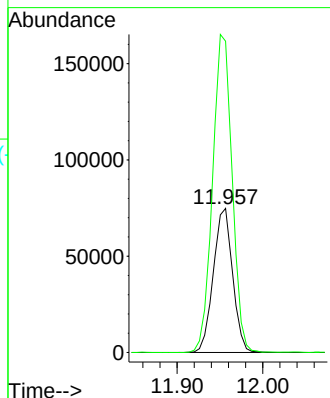
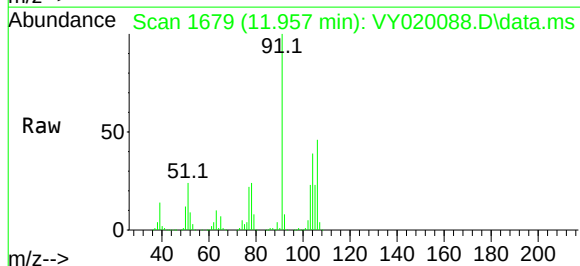
VY1031SBSD01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#70

Styrene

Concen: 20.872 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

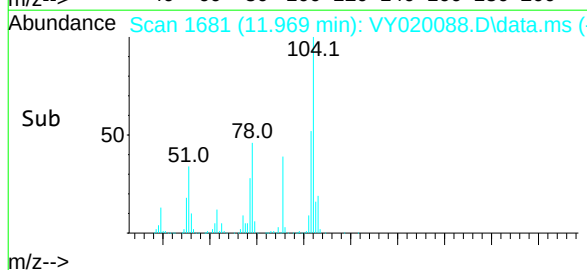
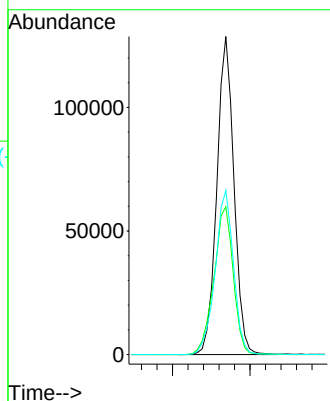
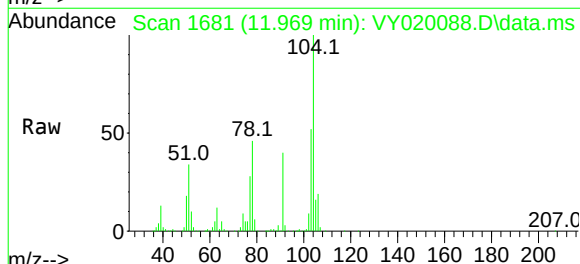
Tgt Ion:104 Resp: 197351

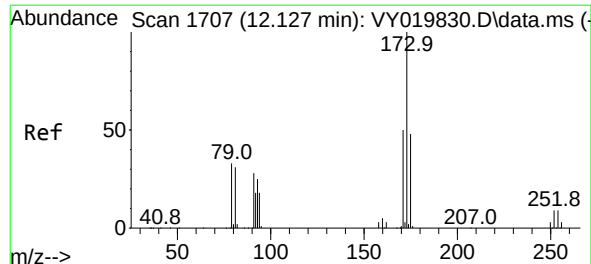
Ion Ratio Lower Upper

104 100

78 52.5 37.0 55.4

103 55.3 44.2 66.2





#71

Bromoform

Concen: 20.742 ug/l

RT: 12.133 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

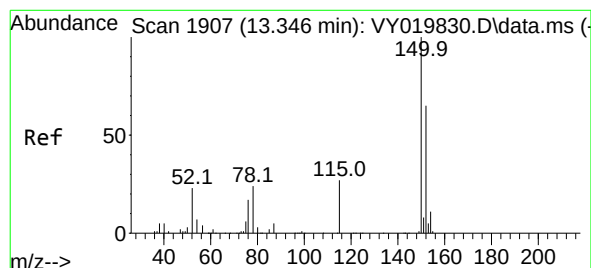
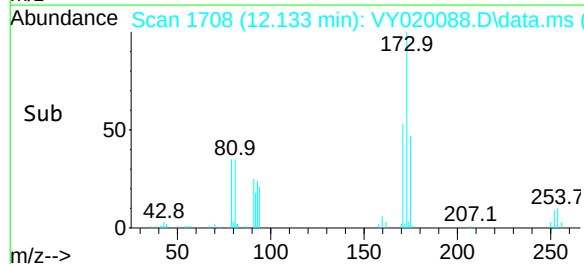
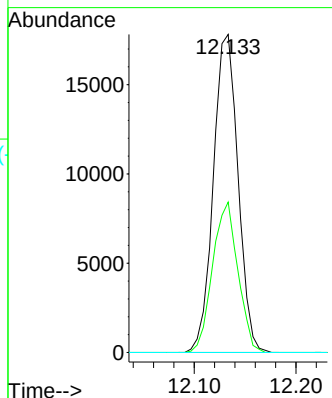
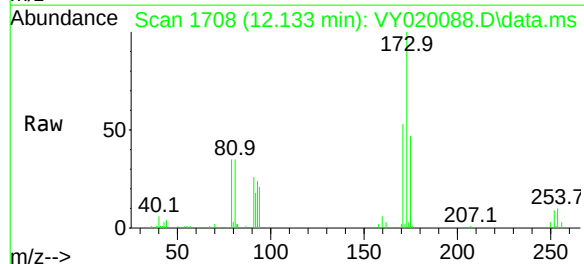
Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:	173	Resp:	30024
Ion Ratio	Lower	Upper	
173	100		
175	48.5	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

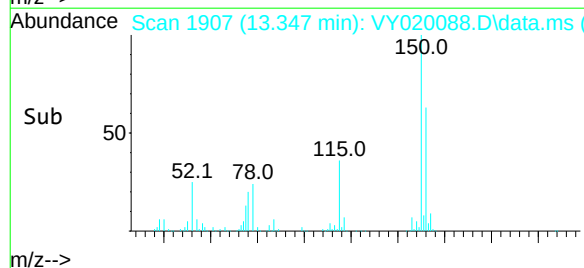
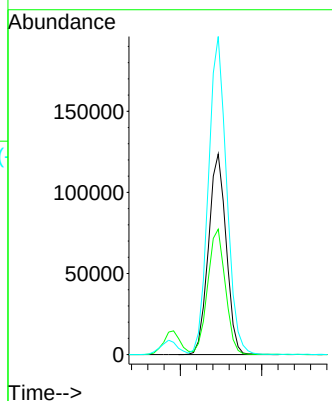
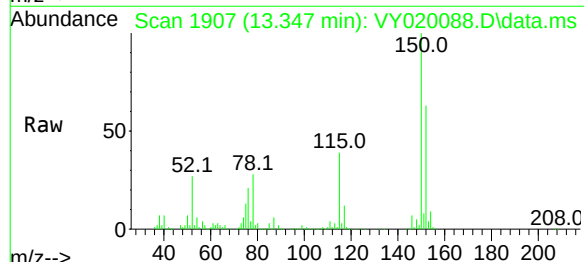
RT: 13.347 min Scan# 1907

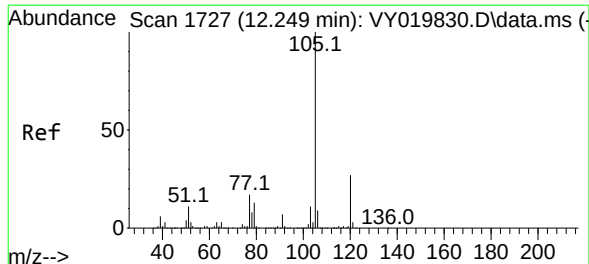
Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:	152	Resp:	186835
Ion Ratio	Lower	Upper	
152	100		
115	62.1	28.2	84.7
150	163.1	0.0	345.6





#73

Isopropylbenzene

Concen: 21.020 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 105 Resp: 313732

Ion Ratio Lower Upper

105 100

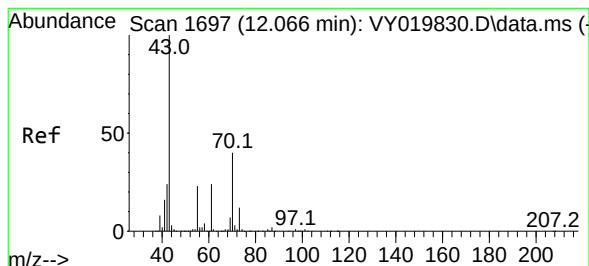
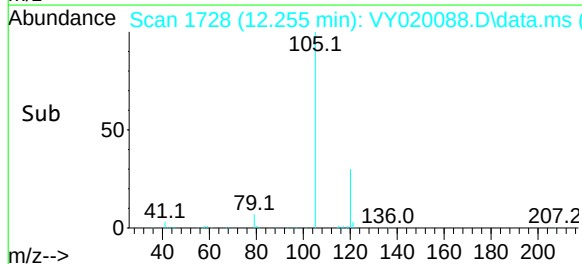
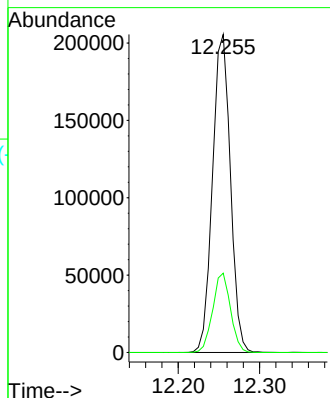
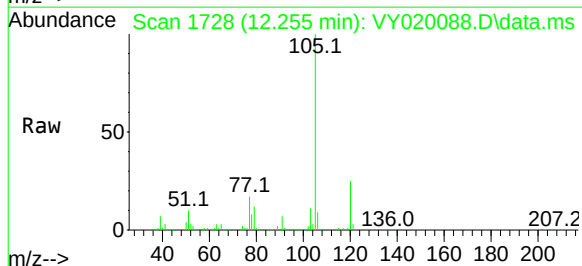
120 24.8 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#74

N-ethyl acetate

Concen: 20.985 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion: 43 Resp: 78294

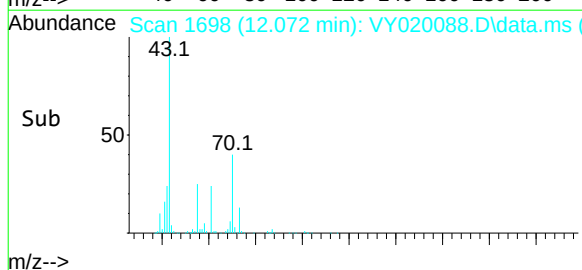
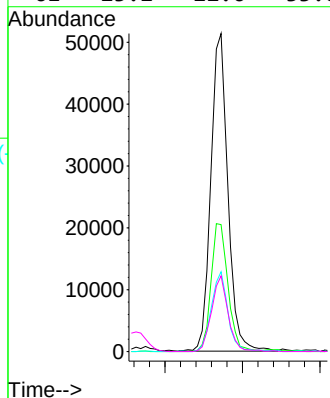
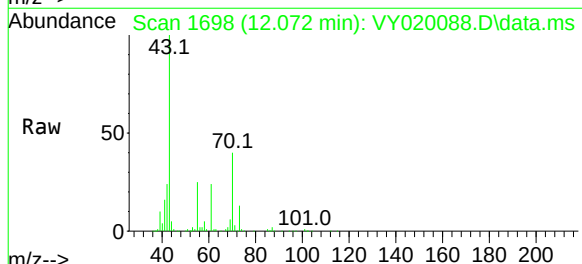
Ion Ratio Lower Upper

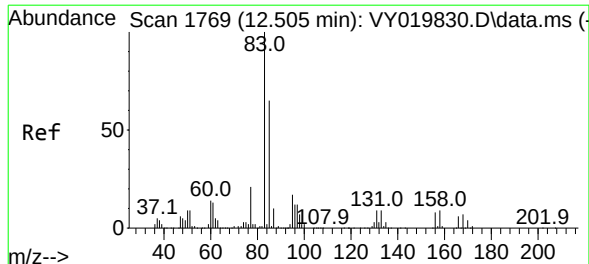
43 100

70 40.1 41.4 62.2#

55 24.8 23.3 34.9

61 23.2 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.786 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

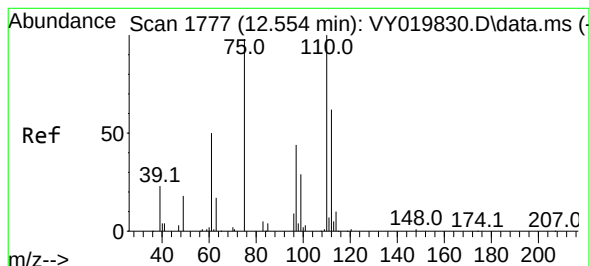
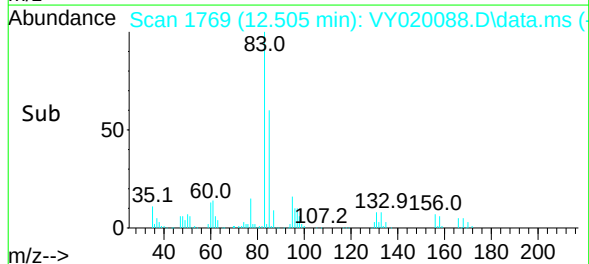
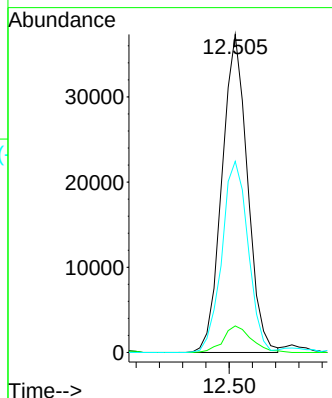
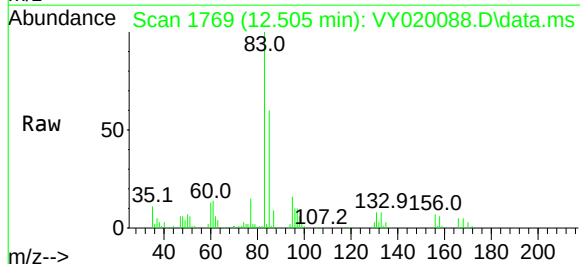
ClientSampleId :

VY1031SBS01

Tgt Ion:	83	Resp:	56868
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.0	14.9
85	62.0	32.0	96.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#76

1,2,3-Trichloropropane

Concen: 22.028 ug/l m

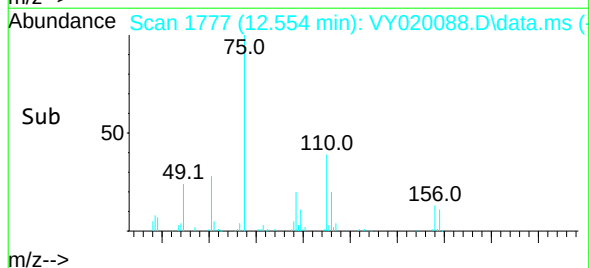
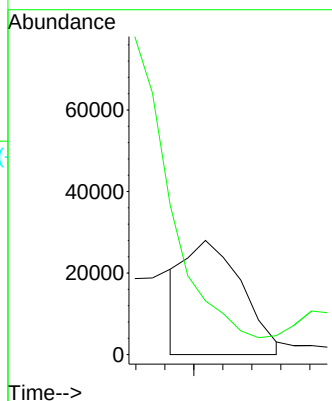
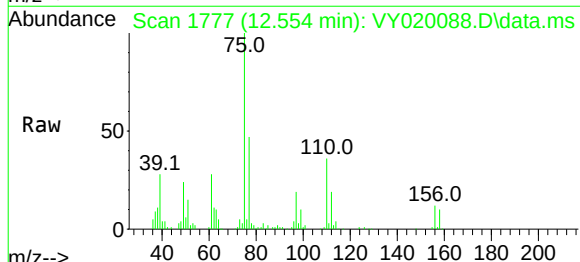
RT: 12.554 min Scan# 1777

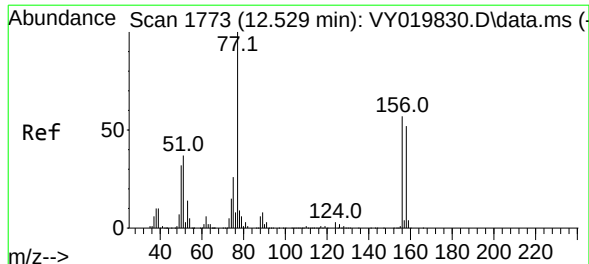
Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:	75	Resp:	38580
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.330 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:156 Resp: 64386

Ion Ratio Lower Upper

156 100

77 211.6 87.1 261.3

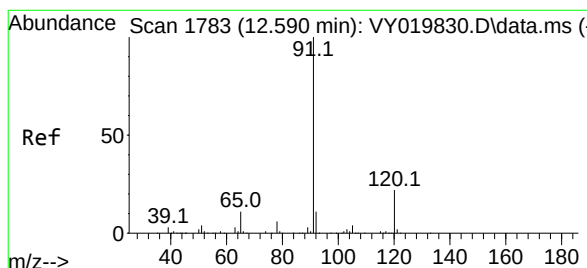
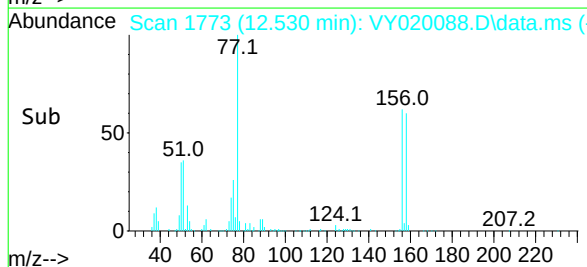
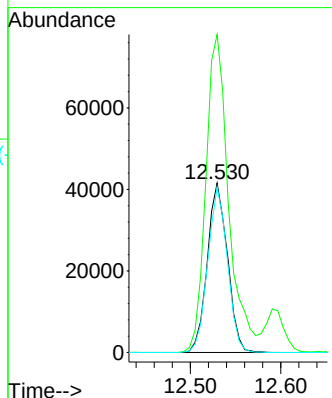
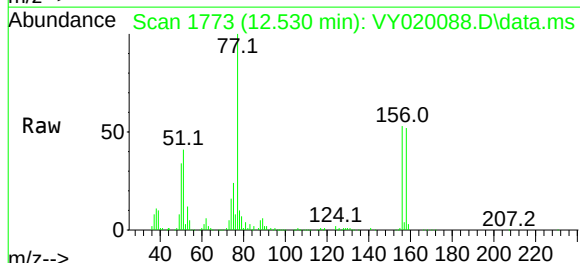
158 95.0 48.6 145.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#78

n-propylbenzene

Concen: 21.050 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY020088.D

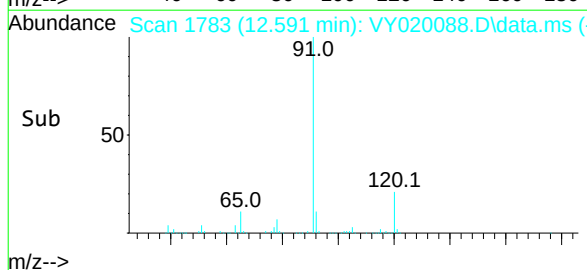
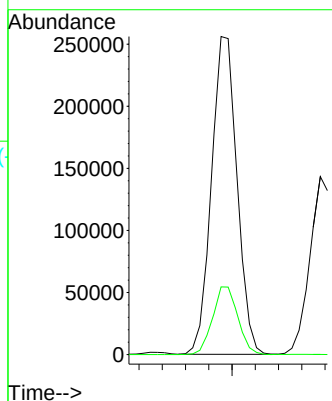
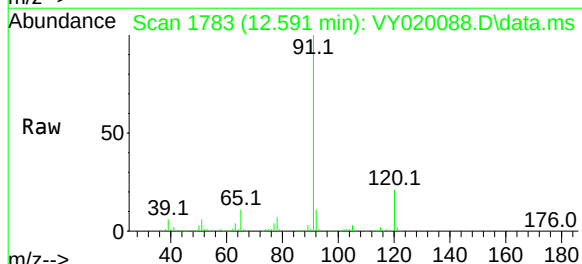
Acq: 31 Oct 2024 12:43

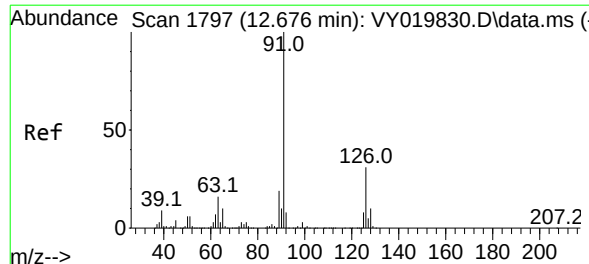
Tgt Ion: 91 Resp: 391006

Ion Ratio Lower Upper

91 100

120 21.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 21.287 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 91 Resp: 219486

Ion Ratio Lower Upper

91 100

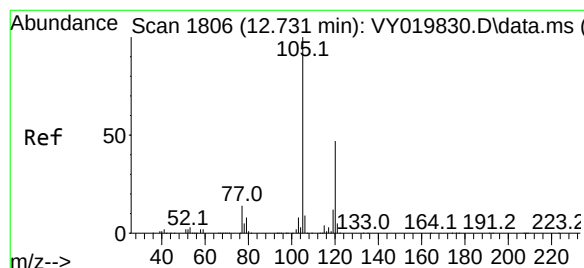
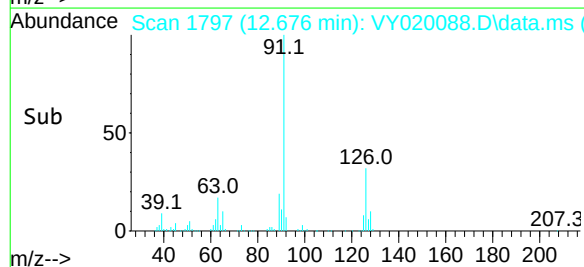
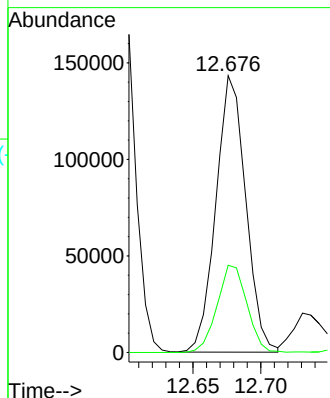
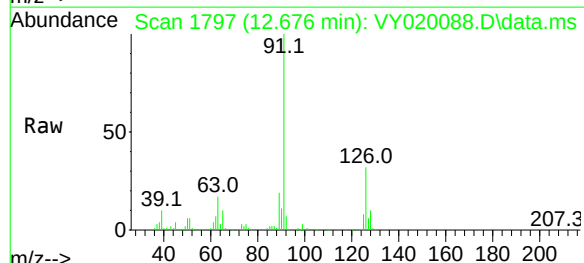
126 31.6 17.8 53.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#80

1,3,5-Trimethylbenzene

Concen: 21.194 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY020088.D

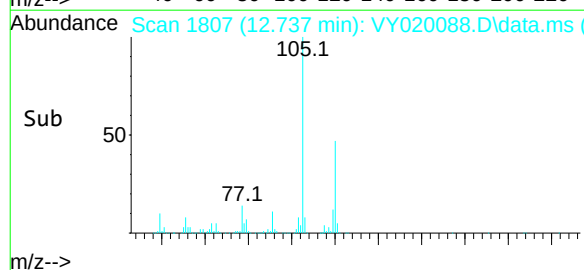
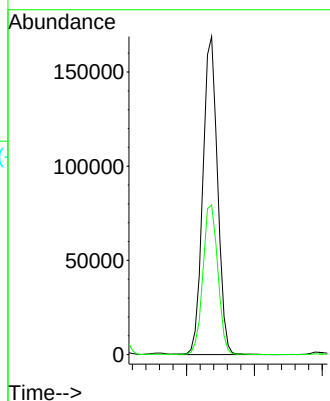
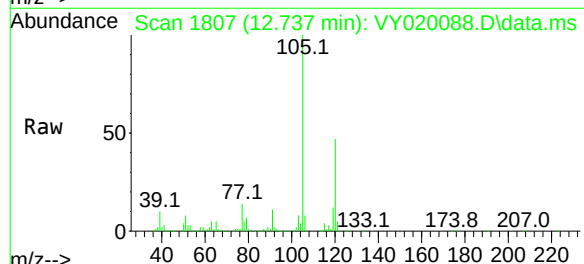
Acq: 31 Oct 2024 12:43

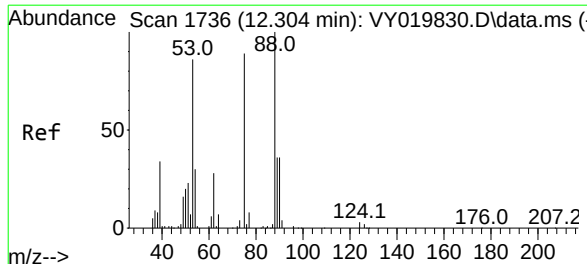
Tgt Ion:105 Resp: 253960

Ion Ratio Lower Upper

105 100

120 47.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.312 ug/l

RT: 12.298 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 75 Resp: 16539

Ion Ratio Lower Upper

75 100

53 109.8 66.8 100.2

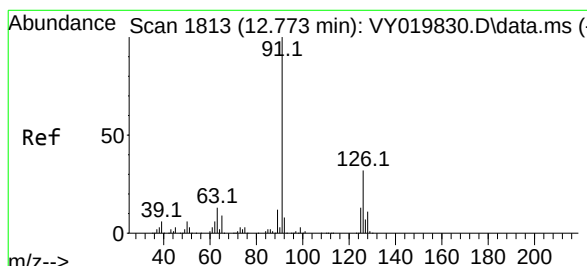
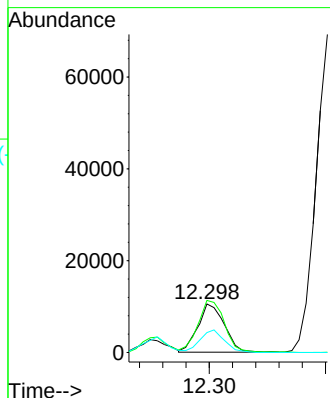
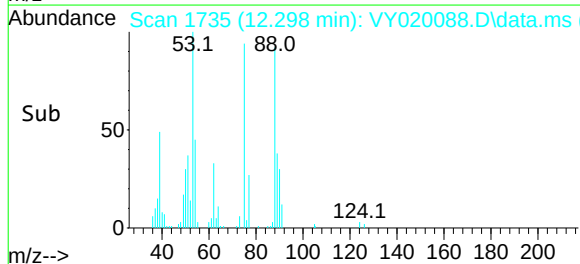
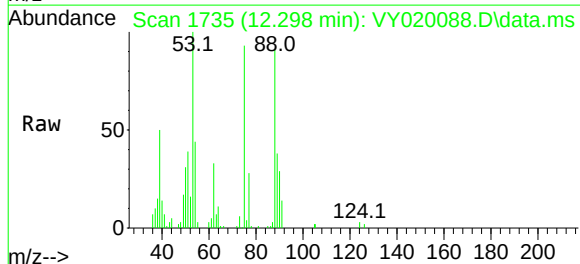
89 42.9 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#82

4-Chlorotoluene

Concen: 21.366 ug/l

RT: 12.780 min Scan# 1814

Delta R.T. 0.000 min

Lab File: VY020088.D

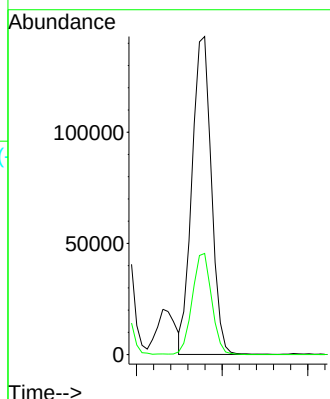
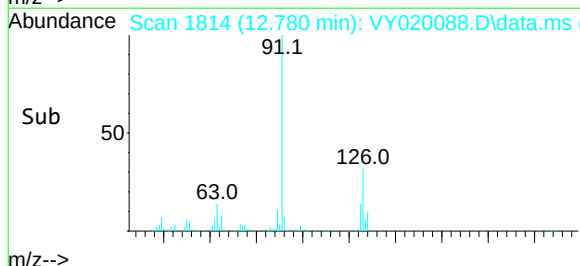
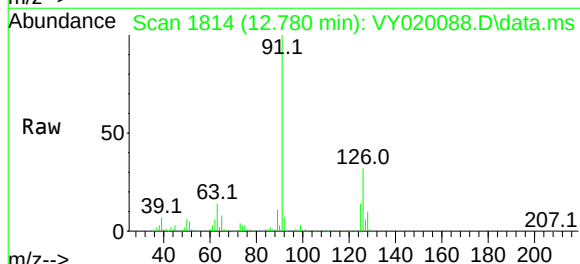
Acq: 31 Oct 2024 12:43

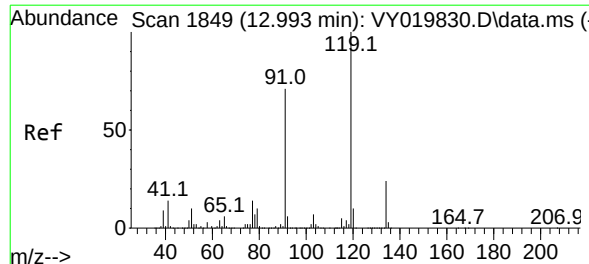
Tgt Ion: 91 Resp: 224627

Ion Ratio Lower Upper

91 100

126 31.9 17.6 52.9





#83

tert-Butylbenzene

Concen: 21.491 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBSD01

Tgt Ion:119 Resp: 225183

Ion Ratio Lower Upper

119 100

91 68.1 31.3 93.8

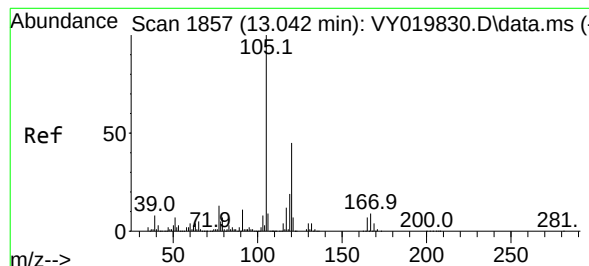
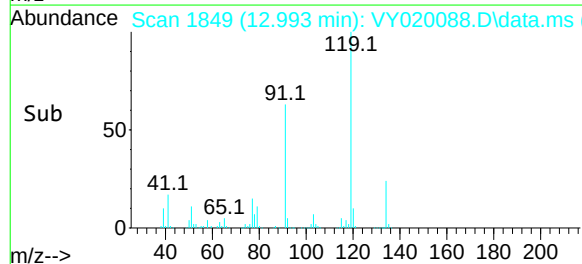
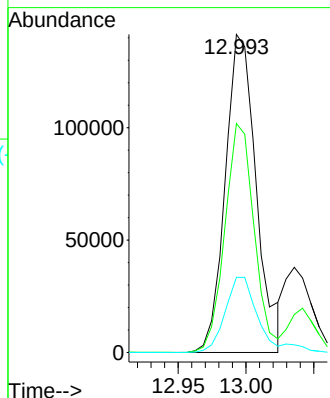
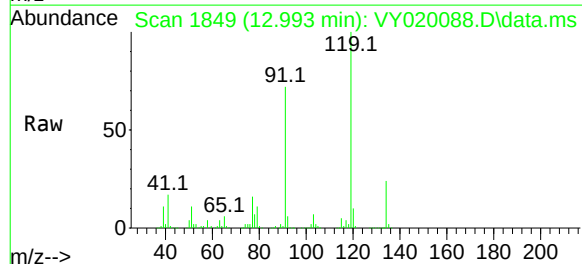
134 25.6 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#84

1,2,4-Trimethylbenzene

Concen: 21.359 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020088.D

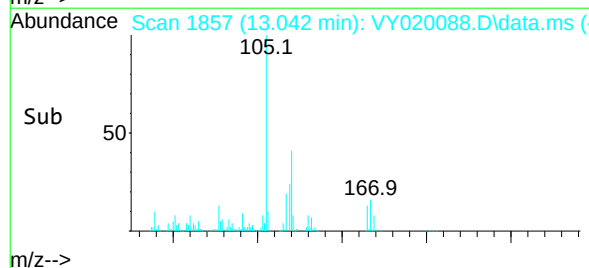
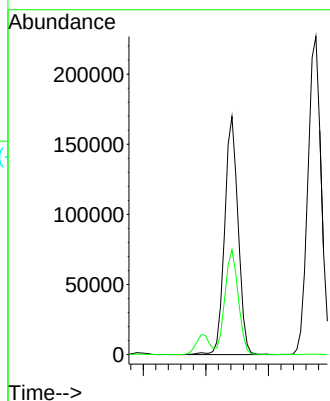
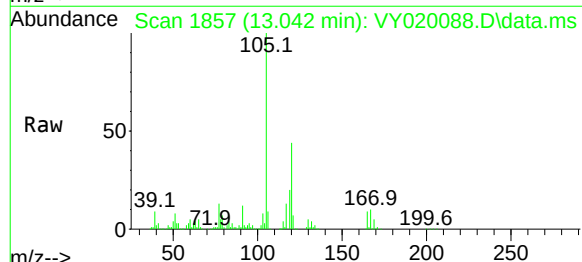
Acq: 31 Oct 2024 12:43

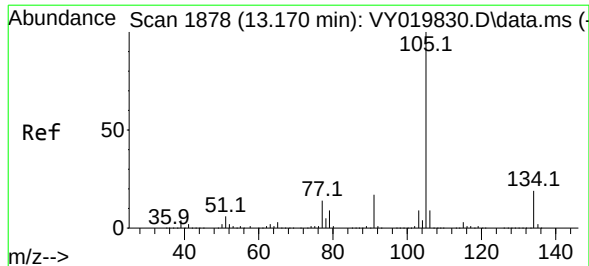
Tgt Ion:105 Resp: 253501

Ion Ratio Lower Upper

105 100

120 43.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.857 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:105 Resp: 335484

Ion Ratio Lower Upper

105 100

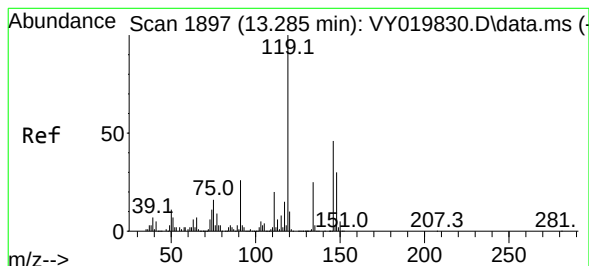
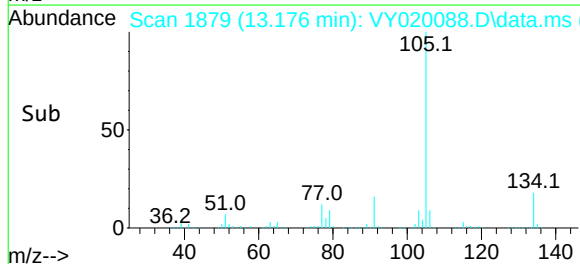
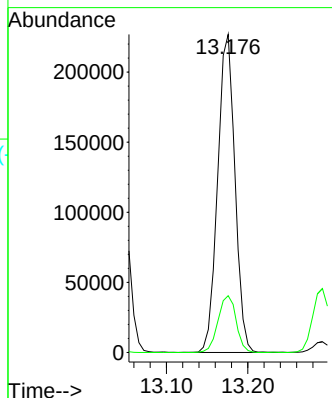
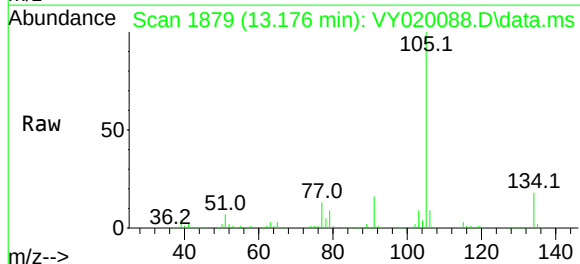
134 18.7 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#86

p-Isopropyltoluene

Concen: 20.689 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

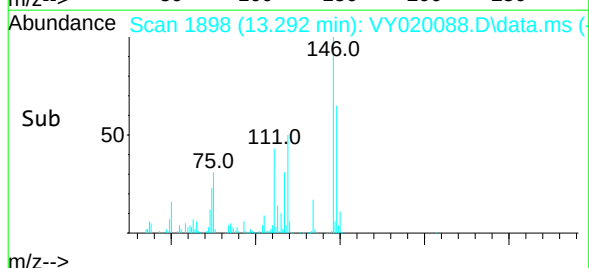
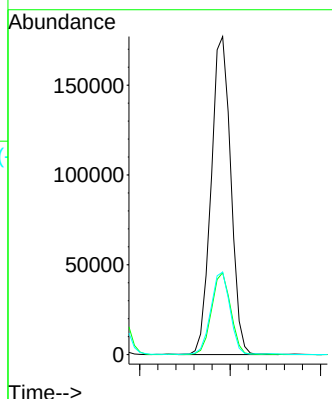
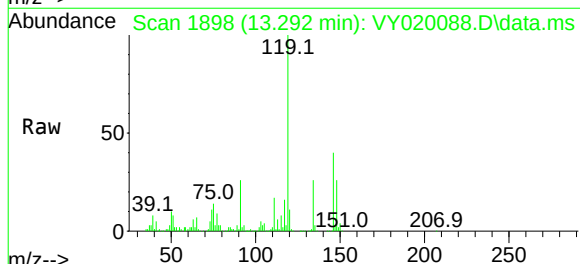
Tgt Ion:119 Resp: 267045

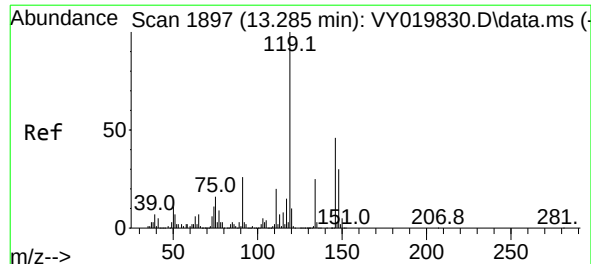
Ion Ratio Lower Upper

119 100

134 24.9 13.1 39.3

91 25.2 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 20.791 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

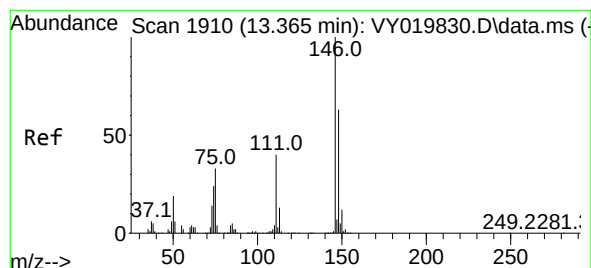
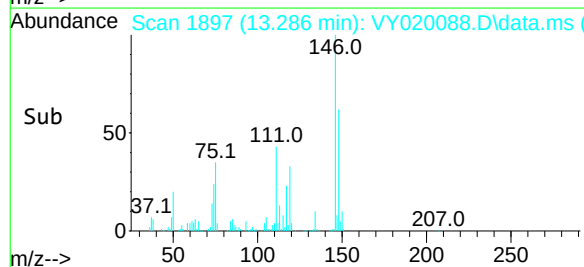
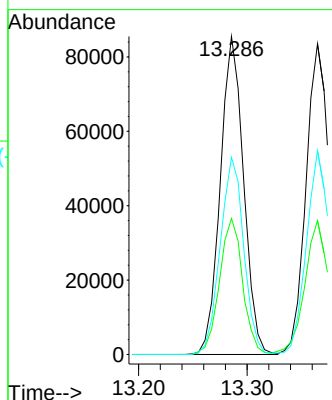
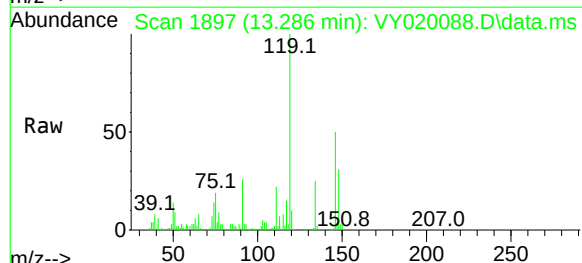
ClientSampleId :

VY1031SBSD01

Tgt Ion:	146	Resp:	127491
Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.0	57.0
148	62.6	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#88

1,4-Dichlorobenzene

Concen: 20.695 ug/l

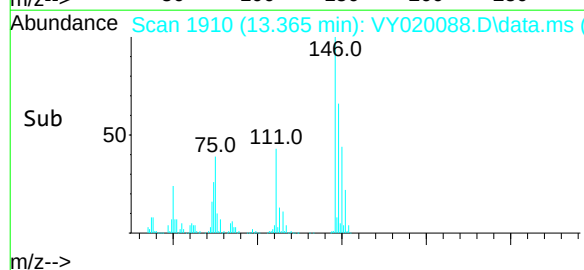
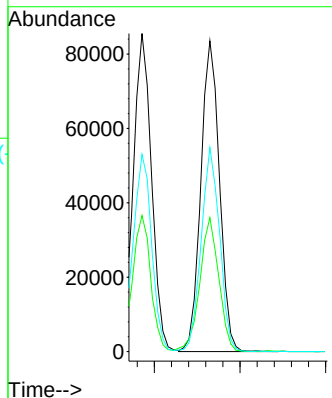
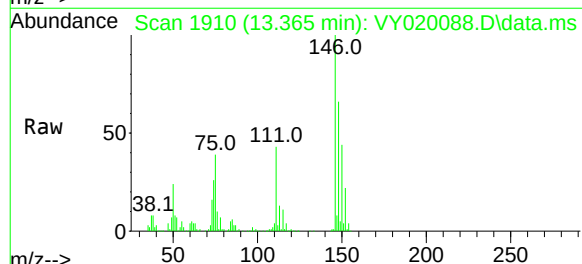
RT: 13.365 min Scan# 1910

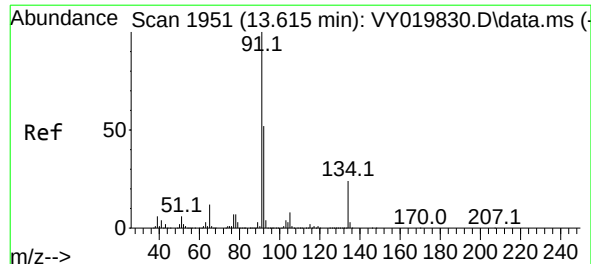
Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:	146	Resp:	126375
Ion	Ratio	Lower	Upper
146	100		
111	43.8	18.4	55.4
148	65.1	32.4	97.2





#89

n-Butylbenzene

Concen: 20.387 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion: 91 Resp: 263792

Ion Ratio Lower Upper

91 100

92 53.7 26.6 79.7

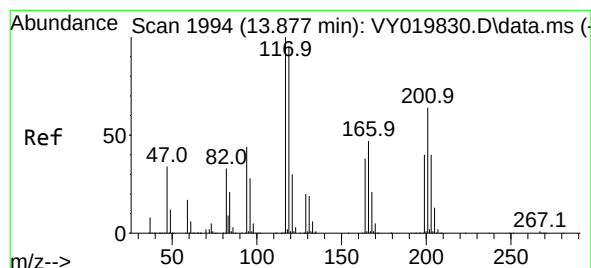
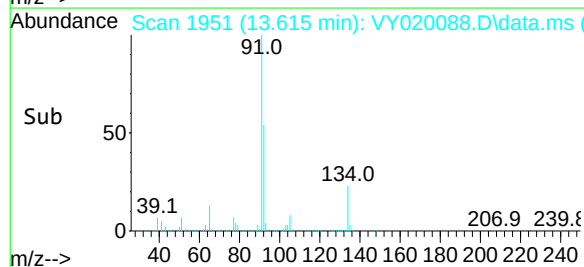
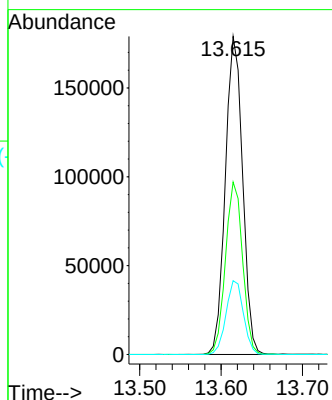
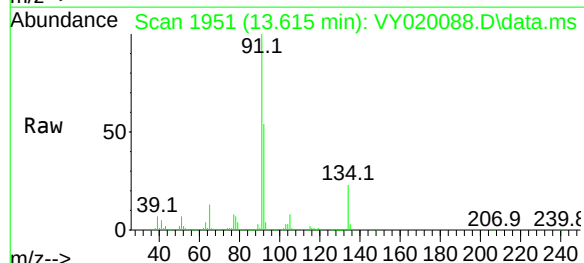
134 23.5 12.9 38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#90

Hexachloroethane

Concen: 20.228 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY020088.D

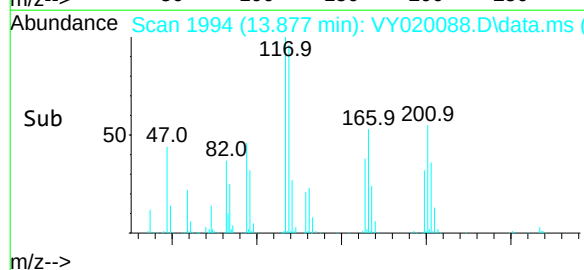
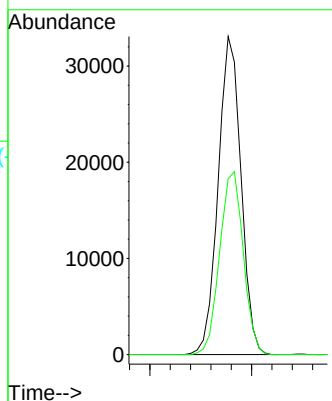
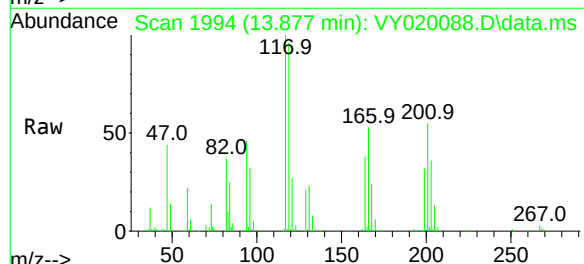
Acq: 31 Oct 2024 12:43

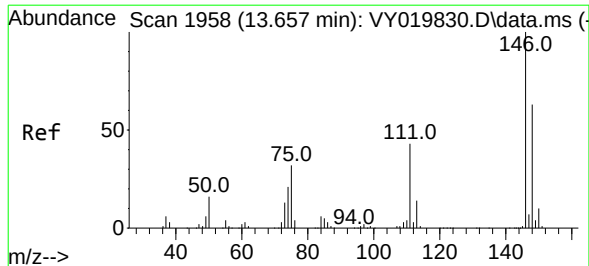
Tgt Ion:117 Resp: 51637

Ion Ratio Lower Upper

117 100

201 59.5 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 21.365 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:146 Resp: 113878

Ion Ratio Lower Upper

146 100

111 42.2 19.9 59.7

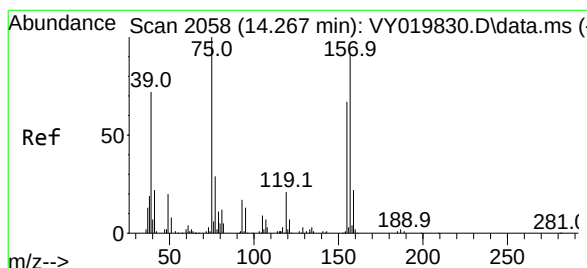
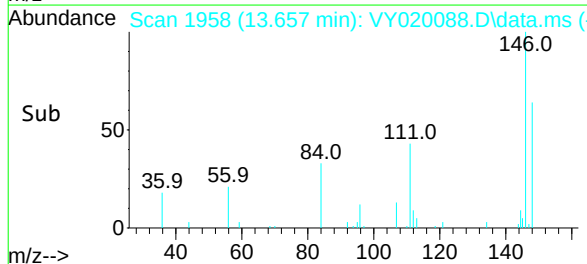
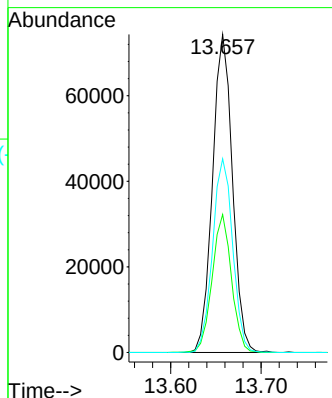
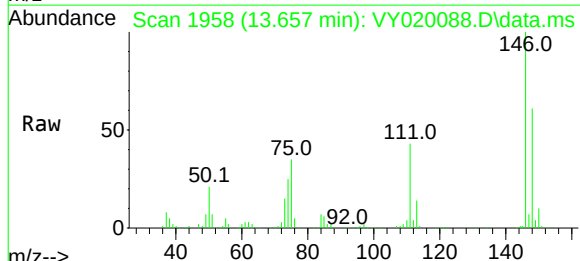
148 61.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.636 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

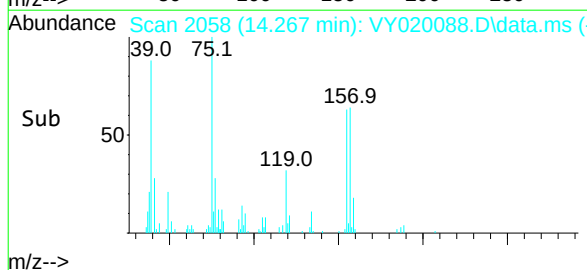
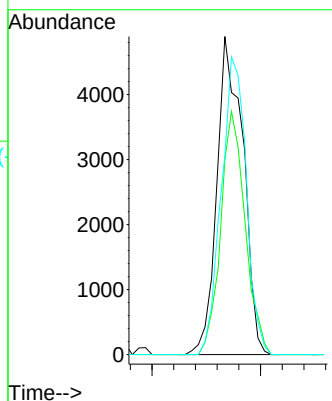
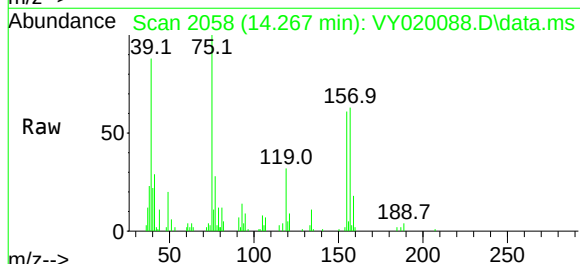
Tgt Ion: 75 Resp: 8169

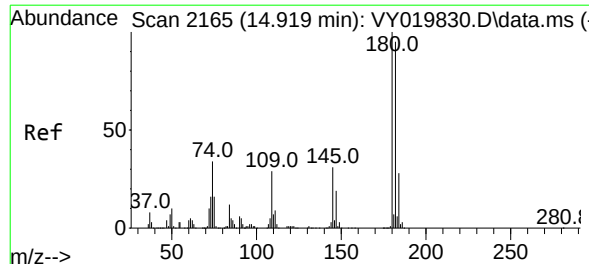
Ion Ratio Lower Upper

75 100

155 71.4 48.6 145.8

157 89.6 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 19.697 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

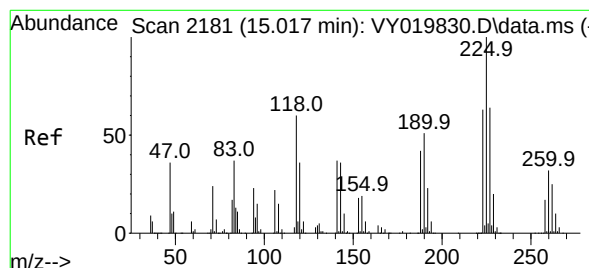
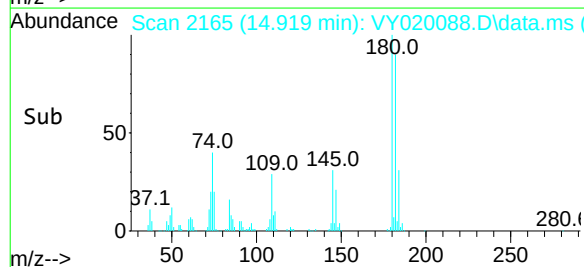
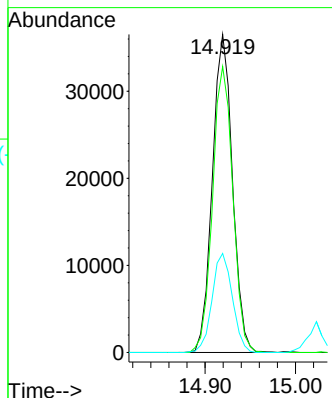
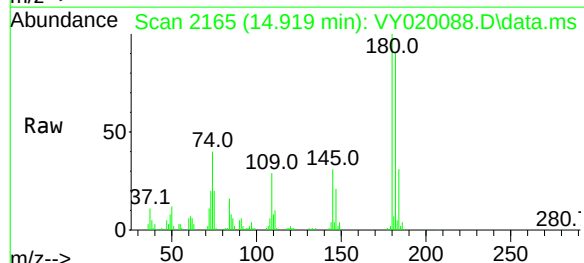
Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:	180	Resp:	56399
Ion Ratio	Lower	Upper	
180	100		
182	90.7	47.9	143.8
145	31.5	14.2	42.6

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

#94

Hexachlorobutadiene

Concen: 19.383 ug/l

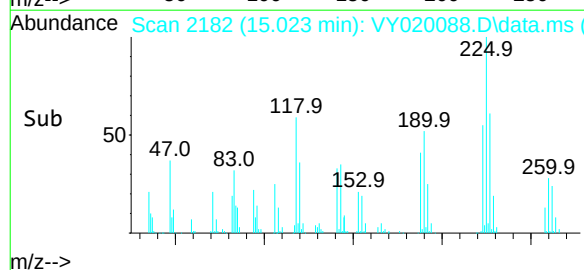
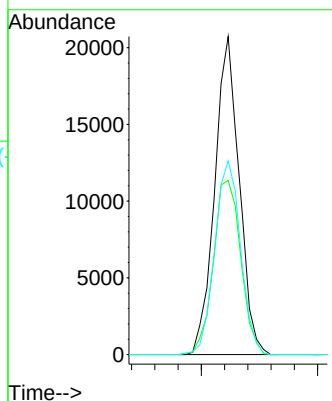
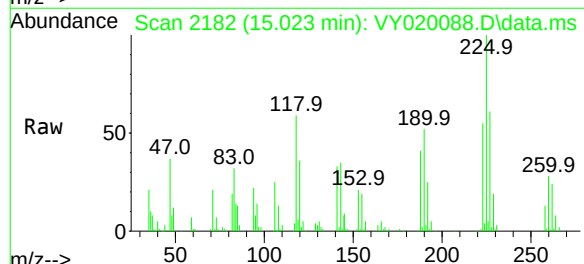
RT: 15.023 min Scan# 2182

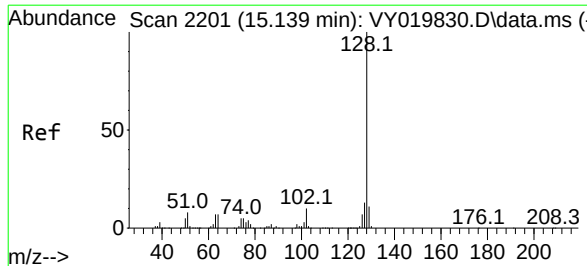
Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:	225	Resp:	30349
Ion Ratio	Lower	Upper	
225	100		
223	61.1	30.4	91.2
227	64.2	31.9	95.9





#95

Naphthalene

Concen: 19.743 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

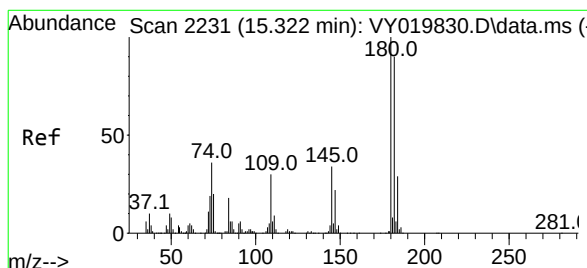
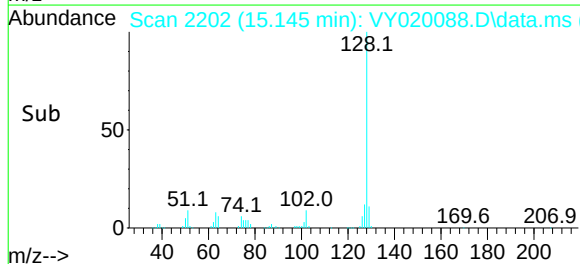
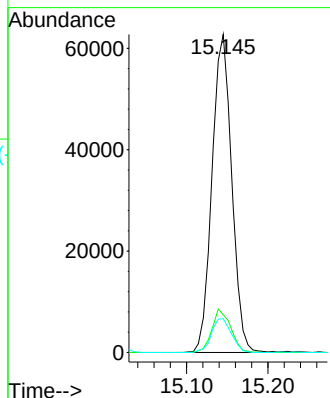
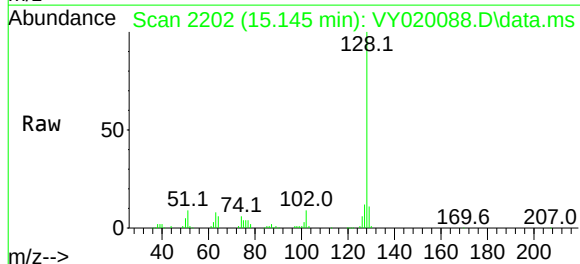
Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBS01

Tgt Ion:	128	Resp:	105671
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVEDReviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

#96

1,2,3-Trichlorobenzene

Concen: 19.067 ug/l

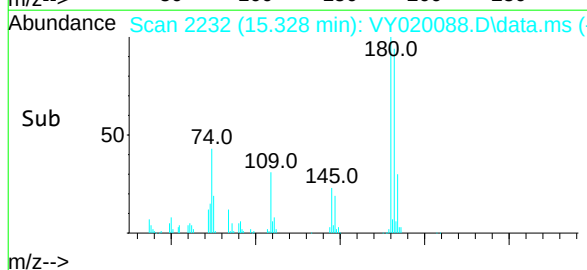
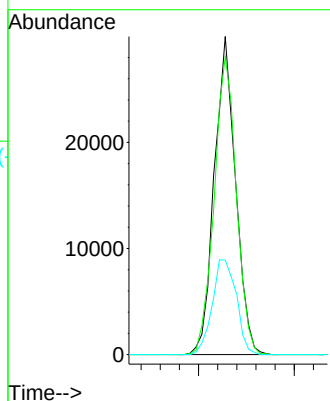
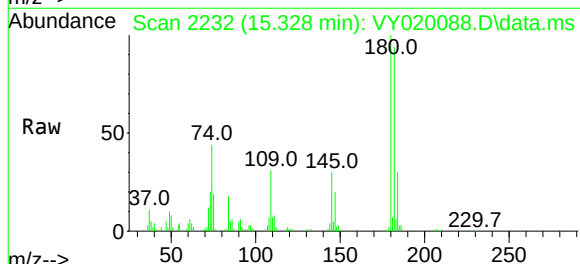
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY020088.D

Acq: 31 Oct 2024 12:43

Tgt Ion:	180	Resp:	46343
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.6	142.9
145	33.7	15.4	46.1



Manual Integration Report

Sequence:	VY103024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020075.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC005	VY020075.D	Ethyl Acetate	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC010	VY020076.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:32 AM	MMDadoda	11/1/2024 5:33:22 PM	Peak Integrated by Software
VSTDICC020	VY020077.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:16 AM	MMDadoda	11/1/2024 5:33:23 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	Methacrylonitrile	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICC100	VY020079.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:20 AM	MMDadoda	11/1/2024 5:33:26 PM	Peak Integrated by Software
VSTDICC150	VY020080.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:07 AM	MMDadoda	11/1/2024 5:33:28 PM	Peak Integrated by Software
VSTDICV050	VY020082.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:10 AM	MMDadoda	11/1/2024 5:33:29 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY103124	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY020084.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:16:05 AM	MMDadoda	11/4/2024 1:21:01 AM	Peak Integrated by Software
VSTDCCC050	VY020085.D	1,2,3-Trichloropropane	SAM	12/3/2024 12:55:11 AM	MMDadoda	12/3/2024 12:56:50 AM	Peak Integrated by Software
VY1031SBS01	VY020087.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:16:06 AM	MMDadoda	11/4/2024 1:21:03 AM	Peak Integrated by Software
VY1031SBSD0 1	VY020088.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:16:07 AM	MMDadoda	11/4/2024 1:21:04 AM	Peak Integrated by Software
VY1031SBSD0 1	VY020088.D	Methacrylonitrile	SAM	11/4/2024 1:16:07 AM	MMDadoda	11/4/2024 1:21:04 AM	Peak Integrated by Software
VSTDCCC050	VY020107.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:16:09 AM	MMDadoda	11/4/2024 1:21:06 AM	Peak Integrated by Software
VSTDCCC050	VY020107.D	Methacrylonitrile	SAM	11/4/2024 1:16:09 AM	MMDadoda	11/4/2024 1:21:06 AM	Peak Integrated by Software

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:33:31 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM
SubDirectory	VY103024	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP131199		
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206		
CCC			
Internal Standard/PEM	VP128297		
ICV/I.BLK	VP131207		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020074.D	30 Oct 2024 12:07	SY/MD	Ok
2	VSTDICC005	VY020075.D	30 Oct 2024 12:39	SY/MD	Ok,M
3	VSTDICC010	VY020076.D	30 Oct 2024 13:02	SY/MD	Ok,M
4	VSTDICC020	VY020077.D	30 Oct 2024 13:24	SY/MD	Ok,M
5	VSTDICCC050	VY020078.D	30 Oct 2024 14:06	SY/MD	Ok,M
6	VSTDICC100	VY020079.D	30 Oct 2024 14:29	SY/MD	Ok,M
7	VSTDICC150	VY020080.D	30 Oct 2024 14:52	SY/MD	Ok,M
8	VIBLK	VY020081.D	30 Oct 2024 15:15	SY/MD	Ok
9	VSTDICV050	VY020082.D	30 Oct 2024 15:47	SY/MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY103124

Review By	Semsettin Yesilyurt	Review On	11/4/2024 1:16:17 AM
Supervise By	Maresh Dadoda	Supervise On	11/4/2024 1:21:36 AM
SubDirectory	VY103124	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131226		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131227,VP131228 VP128297		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020083.D	31 Oct 2024 08:43	SY/MD	Ok
2	VSTDICV050	VY020084.D	31 Oct 2024 10:43	SY/MD	Ok,M
3	VSTDCCC050	VY020085.D	31 Oct 2024 11:11	SY/MD	Ok,M
4	VY1031SBL01	VY020086.D	31 Oct 2024 11:55	SY/MD	Ok
5	VY1031SBS01	VY020087.D	31 Oct 2024 12:21	SY/MD	Ok,M
6	VY1031SBSD01	VY020088.D	31 Oct 2024 12:43	SY/MD	Ok,M
7	P4495-23	VY020089.D	31 Oct 2024 13:05	SY/MD	Dilution
8	VIBLK	VY020090.D	31 Oct 2024 13:29	SY/MD	Ok
9	P4495-23DL	VY020091.D	31 Oct 2024 13:51	SY/MD	Ok
10	VIBLK	VY020092.D	31 Oct 2024 14:15	SY/MD	Ok
11	P4594-07	VY020093.D	31 Oct 2024 14:38	SY/MD	Ok
12	P4597-07	VY020094.D	31 Oct 2024 15:02	SY/MD	Ok
13	P4614-01	VY020095.D	31 Oct 2024 15:25	SY/MD	Ok
14	P4619-01	VY020096.D	31 Oct 2024 15:48	SY/MD	Ok
15	P4617-01	VY020097.D	31 Oct 2024 16:12	SY/MD	ReRun
16	P4612-03	VY020098.D	31 Oct 2024 16:35	SY/MD	ReRun
17	P4618-01	VY020099.D	31 Oct 2024 16:59	SY/MD	Ok
18	P4618-03	VY020100.D	31 Oct 2024 17:22	SY/MD	Ok
19	P4613-01	VY020101.D	31 Oct 2024 17:46	SY/MD	Not Ok
20	P4616-03	VY020102.D	31 Oct 2024 18:09	SY/MD	Ok
21	P4616-07	VY020103.D	31 Oct 2024 18:32	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY103124

Review By	Semsettin Yesilyurt	Review On	11/4/2024 1:16:17 AM
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:21:36 AM
SubDirectory	VY103124	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131226		
CCC	VP131227,VP131228		
Internal Standard/PEM	VP128297		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4594-15	VY020104.D	31 Oct 2024 18:56	SY/MD	Ok
23	P4645-03	VY020105.D	31 Oct 2024 19:19	SY/MD	Ok
24	P4639-03	VY020106.D	31 Oct 2024 19:43	SY/MD	Ok
25	VSTDCCC050	VY020107.D	31 Oct 2024 20:05	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY103024

Review By	Maresh Dadoda	Review On	11/1/2024 5:33:31 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM
SubDirectory	VY103024	HP Acquire Method	HP Processing Method 82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131199
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206
CCC	
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131207
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020074.D	30 Oct 2024 12:07		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VY020075.D	30 Oct 2024 12:39	Method pass	SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY020076.D	30 Oct 2024 13:02		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY020077.D	30 Oct 2024 13:24		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY020078.D	30 Oct 2024 14:06		SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY020079.D	30 Oct 2024 14:29		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VY020080.D	30 Oct 2024 14:52		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020081.D	30 Oct 2024 15:15		SY/MD	Ok
9	VSTDICV050	ICVVY103024	VY020082.D	30 Oct 2024 15:47	fail icv	SY/MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY103124

Review By	Semsettin Yesilyurt	Review On	11/4/2024 1:16:17 AM
Supervise By	Maresh Dadoda	Supervise On	11/4/2024 1:21:36 AM
SubDirectory	VY103124	HP Acquire Method	HP Processing Method 82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131226
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131227,VP131228 VP128297

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020083.D	31 Oct 2024 08:43		SY/MD	Ok
2	VSTDICV050	ICVVY103024	VY020084.D	31 Oct 2024 10:43		SY/MD	Ok,M
3	VSTDCCC050	VSTDCCC050	VY020085.D	31 Oct 2024 11:11		SY/MD	Ok,M
4	VY1031SBL01	VY1031SBL01	VY020086.D	31 Oct 2024 11:55		SY/MD	Ok
5	VY1031SBS01	VY1031SBS01	VY020087.D	31 Oct 2024 12:21		SY/MD	Ok,M
6	VY1031SBSD01	VY1031SBSD01	VY020088.D	31 Oct 2024 12:43		SY/MD	Ok,M
7	P4495-23	PT-VOA-SOIL	VY020089.D	31 Oct 2024 13:05	Need 2X	SY/MD	Dilution
8	VIBLK	VIBLK	VY020090.D	31 Oct 2024 13:29		SY/MD	Ok
9	P4495-23DL	PT-VOA-SOILDL	VY020091.D	31 Oct 2024 13:51		SY/MD	Ok
10	VIBLK	VIBLK	VY020092.D	31 Oct 2024 14:15		SY/MD	Ok
11	P4594-07	BP-F17-VOC	VY020093.D	31 Oct 2024 14:38	vial-B	SY/MD	Ok
12	P4597-07	BLUE-2-1	VY020094.D	31 Oct 2024 15:02	vial-B ISTD Fail	SY/MD	Ok
13	P4614-01	NB-07-102924	VY020095.D	31 Oct 2024 15:25	vial-A ISTD Fail	SY/MD	Ok
14	P4619-01	SU-03-102924	VY020096.D	31 Oct 2024 15:48	ISTD Fail	SY/MD	Ok
15	P4617-01	RO-SOIL	VY020097.D	31 Oct 2024 16:12	vial-A Internal standard fail	SY/MD	ReRun
16	P4612-03	MOO-24-00335	VY020098.D	31 Oct 2024 16:35	vial-A Internal standard fail	SY/MD	ReRun
17	P4618-01	HR-01-102924	VY020099.D	31 Oct 2024 16:59	vial-A	SY/MD	Ok
18	P4618-03	HR-04-102924	VY020100.D	31 Oct 2024 17:22	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY103124

Review By	Semsettin Yesilyurt	Review On	11/4/2024 1:16:17 AM
Supervise By	Maresh Dadoda	Supervise On	11/4/2024 1:21:36 AM
SubDirectory	VY103124	HP Acquire Method	HP Processing Method 82y103024s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131226		
CCC	VP131227,VP131228		
Internal Standard/PEM	VP128297		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P4613-01	ARS20-0001	VY020101.D	31 Oct 2024 17:46	Not purge vial-A	SY/MD	Not Ok
20	P4616-03	BP-F10-VOC	VY020102.D	31 Oct 2024 18:09	vial-A	SY/MD	Ok
21	P4616-07	BP-F9-MOVED-VOC	VY020103.D	31 Oct 2024 18:32	vial-A	SY/MD	Ok
22	P4594-15	TP-5-VOC	VY020104.D	31 Oct 2024 18:56	vial-A	SY/MD	Ok
23	P4645-03	Z-02-VOC	VY020105.D	31 Oct 2024 19:19	vial-A	SY/MD	Ok
24	P4639-03	EO-02-103024	VY020106.D	31 Oct 2024 19:43	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY020107.D	31 Oct 2024 20:05		SY/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133085

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4488-09	HCC-1	1	1.00	1.00	2.00	2.00	100.0	oil sample
P4488-10	HCC-2	2	1.00	1.00	2.00	2.00	100.0	oil sample
P4495-01	PT-AN-SOIL	3	1.00	1.00	2.00	2.00	100.0	
P4495-02	PT-CORR-SOIL	4	1.00	1.00	2.00	2.00	100.0	
P4495-03	PT-CN-SOIL	5	1.00	1.00	2.00	2.00	100.0	
P4495-04	PT-CN-SOIL	6	1.00	1.00	2.00	2.00	100.0	
P4495-05	PT-FP-SOIL	7	1.00	1.00	2.00	2.00	100.0	
P4495-06	PT-CR6-SOIL	8	1.00	1.00	2.00	2.00	100.0	
P4495-07	PT-NUT-SOIL	9	1.00	1.00	2.00	2.00	100.0	
P4495-08	PT-NUT-SOIL	10	1.00	1.00	2.00	2.00	100.0	
P4495-09	PT-OGR-SOIL	11	1.00	1.00	2.00	2.00	100.0	
P4495-10	PT-MET-SOIL	12	1.00	1.00	2.00	2.00	100.0	
P4495-11	PT-BNA-SOIL	13	1.00	1.00	2.00	2.00	100.0	
P4495-12	PT-TRIAZINE-SOIL	14	1.00	1.00	2.00	2.00	100.0	
P4495-13	PT-PAH-SOIL	15	1.00	1.00	2.00	2.00	100.0	
P4495-14	PT-DIES-SOIL	16	1.00	1.00	2.00	2.00	100.0	
P4495-15	PT-GAS-SOIL	17	1.00	1.00	2.00	2.00	100.0	
P4495-16	PT-NJEPH-SOIL	18	1.00	1.00	2.00	2.00	100.0	
P4495-17	PT-HERB-SOIL	19	1.00	1.00	2.00	2.00	100.0	
P4495-18	PT-PCB-SOIL	20	1.00	1.00	2.00	2.00	100.0	
P4495-19	PT-PCBO-SOIL	21	1.00	1.00	2.00	2.00	100.0	
P4495-20	PT-PEST-SOIL	22	1.00	1.00	2.00	2.00	100.0	
P4495-21	PT-CHLR-SOIL	23	1.00	1.00	2.00	2.00	100.0	
P4495-22	PT-TXP-SOIL	24	1.00	1.00	2.00	2.00	100.0	
P4495-23	PT-VOA-SOIL	25	1.00	1.00	2.00	2.00	100.0	
P4495-24	PT-SOL-SOIL	26	0.92	8.80	9.72	7.58	75.7	
P4495-25	PT-NO2-SOIL	27	1.00	1.00	2.00	2.00	100.0	
P4508-01	TP-3	28	1.14	8.38	9.52	8.64	89.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133085

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4508-02	TP-3-EPH	29	1.15	8.81	9.96	9.22	91.6	
P4508-03	TP-3-VOC	30	1.15	8.66	9.81	8.88	89.3	
P4508-05	BP-F23	31	1.15	8.82	9.97	9.22	91.5	
P4508-06	BP-F23-EPH	32	1.14	8.83	9.97	9.29	92.3	
P4508-07	BP-F23-VOC	33	1.15	8.40	9.55	8.61	88.8	
P4508-09	BP-F22	34	1.18	8.78	9.96	9.15	90.8	
P4508-10	BP-F22-EPH	35	1.15	8.70	9.85	8.98	90.0	
P4508-11	BP-F22-VOC	36	1.16	8.60	9.76	8.68	87.4	
P4509-02	AU-06-10232024	37	1.12	8.82	9.94	9.44	94.3	
P4510-01	FDH119M-1-1	38	1.00	1.00	2.00	2.00	100.0	oilc
P4510-02	FDH119M-1-2	39	1.00	1.00	2.00	2.00	100.0	oilc
P4510-03	BC271327-1-1	40	1.00	1.00	2.00	2.00	100.0	oilc
P4510-04	BC271327-1-2	41	1.00	1.00	2.00	2.00	100.0	oilc
P4510-05	BC271327-2-1	42	1.00	1.00	2.00	2.00	100.0	oilc
P4510-06	BC271327-2-2	43	1.00	1.00	2.00	2.00	100.0	oilc
P4510-07	FDA886K-1-1	44	1.00	1.00	2.00	2.00	100.0	oilc
P4510-08	FDA886K-1-2	45	1.00	1.00	2.00	2.00	100.0	oilc
P4510-09	FDA886K-2-1	46	1.00	1.00	2.00	2.00	100.0	oilc
P4510-10	FDA886K-2-2	47	1.00	1.00	2.00	2.00	100.0	oilc
P4510-11	HID111K-1-1	48	1.00	1.00	2.00	2.00	100.0	oilc
P4510-12	HID111K-1-2	49	1.00	1.00	2.00	2.00	100.0	oilc
P4510-13	HID111K-2-1	50	1.00	1.00	2.00	2.00	100.0	oilc
P4510-14	HID111K-2-2	51	1.00	1.00	2.00	2.00	100.0	oilc
P4510-15	HID111K-3-1	52	1.00	1.00	2.00	2.00	100.0	oilc
P4510-16	HID111K-3-2	53	1.00	1.00	2.00	2.00	100.0	oilc
P4510-17	FDA563W-1-1	54	1.00	1.00	2.00	2.00	100.0	oilc
P4510-18	FDA563W-1-2	55	1.00	1.00	2.00	2.00	100.0	oilc
P4510-19	FDA563W-2-1	56	1.00	1.00	2.00	2.00	100.0	oilc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133085

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4510-20	FDA563W-2-2	57	1.00	1.00	2.00	2.00	100.0	oilc
P4510-21	JEC128C-1-1	58	1.00	1.00	2.00	2.00	100.0	oilc
P4510-22	JEC128C-1-2	59	1.00	1.00	2.00	2.00	100.0	oilc
P4510-23	JEC128C-2-1	60	1.00	1.00	2.00	2.00	100.0	oilc
P4510-24	JEC128C-2-2	61	1.00	1.00	2.00	2.00	100.0	oilc
P4511-02	267	62	1.00	1.00	2.00	2.00	100.0	debris
P4512-03	VNJ-212	63	1.15	8.81	9.96	9.66	96.6	
P4512-04	VNJ-212-E2	64	1.16	8.48	9.64	9.39	97.1	
P4513-01	D3683	65	1.00	1.00	2.00	2.00	100.0	oil sample
P4513-02	D3694	66	1.00	1.00	2.00	2.00	100.0	debris
P4513-03	D3695	67	1.00	1.00	2.00	2.00	100.0	debris
P4514-01	BC274653-1-1	68	1.00	1.00	2.00	2.00	100.0	oilc
P4514-02	BC274653-1-2	69	1.00	1.00	2.00	2.00	100.0	oilc
P4514-03	BC274767-1-1	70	1.00	1.00	2.00	2.00	100.0	oilc
P4514-04	BC274767-1-2	71	1.00	1.00	2.00	2.00	100.0	oilc
P4514-05	BC274767-2-1	72	1.00	1.00	2.00	2.00	100.0	oilc
P4514-06	BC274767-2-2	73	1.00	1.00	2.00	2.00	100.0	oilc
P4515-01	CHVB0783	74	1.15	8.83	9.98	5.28	46.8	
P4516-01	72-11986	75	1.12	8.67	9.79	8.93	90.1	
P4517-01	NASSAU-ST-CO	76	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-03	S.JEFFERSON-CO-1	77	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-05	S.JEFFERSON-CO-2	78	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-07	FOREST-ST-CO	79	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

NR 133085

WorkList Name : %1-102324 WorkList ID : 184679 Department : Wet-Chemistry Date : 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4488-09	HCC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-10	HCC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4495-01	PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-02	PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-03	PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-04	PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-05	PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-06	PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-07	PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-08	PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-09	PT-OGH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-10	PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-11	PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-12	PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-13	PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-14	PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-15	PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-16	PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-17	PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-18	PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-19	PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO

Date/Time 10/23/24 16:00
 Raw Sample Received by: JH WCI
 Raw Sample Relinquished by: JH WCI
 Date/Time 10/23/24 17:30
 Raw Sample Received by: JH WCI
 Raw Sample Relinquished by: JH WCI

WORKLIST(Hardcopy Internal Chain)

W 133085

WorkList Name : %1-102324

WorkList ID : 184679

Department : Wet-Chemistry

Date : 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4495-20	PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-21	PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-22	PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-23	PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-24	PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-25	PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4508-01	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-02	TP-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-03	TP-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-05	BP-F23	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-06	BP-F23-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-07	BP-F23-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-09	BP-F22	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-10	BP-F22-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-11	BP-F22-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4509-02	AU-06-10232024	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/23/2024	Chemtech -SO
P4510-01	FDH119M-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-02	FDH119M-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-03	BC271327-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-04	BC271327-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-05	BC271327-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time

10/23/24

16:00

Raw Sample Received by:

JP WWC

Raw Sample Relinquished by:

JP WWC

Date/Time

10/23/24

17:30

Raw Sample Received by:

JP WWC

Raw Sample Relinquished by:

JP WWC

133085

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102324 WorkList ID : 184679 Department : Wet-Chemistry Date : 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4510-06	BC271327-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-07	FDA886K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-08	FDA886K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-09	FDA886K-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-10	FDA886K-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-11	HID111K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-12	HID111K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-13	HID111K-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-14	HID111K-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-15	HID111K-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-16	HID111K-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-17	FDA563W-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-18	FDA563W-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-19	FDA563W-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-20	FDA563W-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-21	JEC128C-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-22	JEC128C-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-23	JEC128C-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-24	JEC128C-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4511-02	267	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4512-03	VNJ-212	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time 10/23/24 16:00 Date/Time 10/23/24 17:130

Raw Sample Received by: JH WWC Raw Sample Received by: CP Sin

Raw Sample Relinquished by: CP Sin Raw Sample Relinquished by: JH WWC

WORKLIST(Hardcopy Internal Chain)

W 133085

WorkList Name : %1-102324 WorkList ID : 184679

Department : Wet-Chemistry

Date : 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4512-04	VNJ-212-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-01	D3683	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-02	D3694	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-03	D3695	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4514-01	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-02	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-03	BC274767-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-04	BC274767-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-05	BC274767-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-06	BC274767-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4515-01	CHVB0783	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/23/2024	Chemtech -SO
P4516-01	72-11986	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/23/2024	Chemtech -SO
P4517-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-03	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-05	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-07	FOREST-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time 10/23/24 16:00
 Raw Sample Received by: JH GELC
 Raw Sample Relinquished by: CP S

Date/Time 10/23/24 17:30
 Raw Sample Received by: CP S
 Raw Sample Relinquished by: JH GELC

Prep Standard - Chemical Standard Summary

Order ID : P4495

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VY103124,

Standard ID :

VP128290,VP128297,VP128762,VP128763,VP128767,VP130432,VP130836,VP130837,VP131134,VP131135,VP1312
26,VP131227,VP131228,

Chemical ID :

V12794,V12798,V13390,V13444,V13463,V13707,V13797,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V
14148,V14150,V14171,V14172,V14203,V14206,V14215,V14288,V14436,V14443,V14546,V14547,V14548,W 3112,

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	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/12/2024								

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = 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>
1917	8260 Internal standard 50 ppm	VP128297	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/12/2024								

FROM 0.02000ml of V14288 + 9.98000ml of V14148 = Final Quantity: 10.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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>
1811	8260 Working Std(2-CVE)-500ppm	VP128763	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
07/02/2024								

FROM 3.75000ml of V14147 + 6.25000ml of VP128762 = Final Quantity: 10.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP128767	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
07/02/2024								

FROM 0.50000ml of V13463 + 9.50000ml of V14147 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP130432	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
09/26/2024								

FROM 0.10000ml of V13707 + 24.90000ml of V14145 = 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>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP130836	10/14/2024	11/07/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
10/16/2024								

FROM 1.00000ml of V14548 + 1.50000ml of V14546 + 1.50000ml of V14547 + 21.00000ml 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>
56	8260 Working STD (Acrolein) -first source, 500PPM	VP130837	10/14/2024	11/07/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
10/16/2024								

FROM 5.62500ml of V14145 + 9.37500ml of VP130836 = 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>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP131134	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda 10/30/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = 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>
244	8260 Calibration Working STD Mix-First source, 100PPM	VP131135	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda 10/30/2024

FROM 7.50000ml of V14150 + 12.50000ml of VP131134 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP131226	10/31/2024	11/01/2024	Romaben Patel	None	None	Maresh Dadoda
								11/07/2024

FROM 4.99800ml of W3112 + 0.00200ml of VP128290 = Final Quantity: 5.000 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>
773	50 PPB CCC, 8260-SOIL	VP131227	10/31/2024	11/01/2024	Romaben Patel	None	None	Maresh Dadoda
								11/07/2024

FROM 4.98000ml of W3112 + 0.00250ml of VP128763 + 0.00250ml of VP128767 + 0.00250ml of VP130432 + 0.00250ml of VP130837
+ 0.00250ml of VP131135 + 0.00500ml of VP128297 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP131228	10/31/2024	11/01/2024	Romaben Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP128763 + 0.00250ml of VP128767 + 0.00250ml of VP130432 + 0.00250ml of VP130837 + 0.00250ml of VP131135 + 0.00500ml of VP128297 = Final Quantity: 5.000 ml								

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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	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

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	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

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

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

CHEMICAL RECEIPT LOG BOOK

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	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

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	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

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	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

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	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

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	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

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	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

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	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

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	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

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	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

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	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

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	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

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	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

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	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

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	06/10/2025	06/10/2024 / SAM	04/15/2024 / SAM	V14288

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	09/30/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14436

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	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

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)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14548

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



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

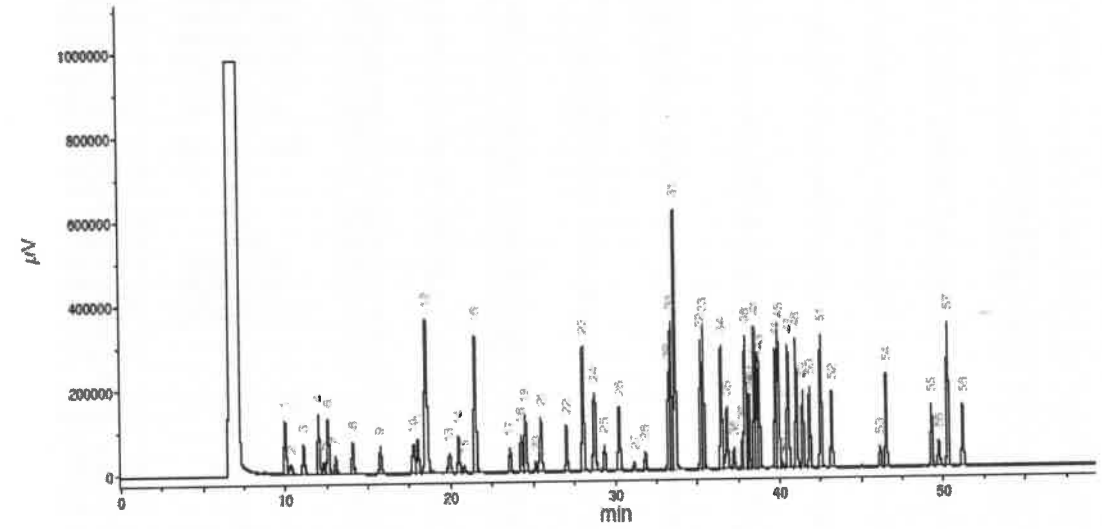
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

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)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg
14. 2-Nitropropane	(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	74-85-3	N/A	or-rat 105mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	N/A	or-rat 108mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	100 ppm	or-rat 725mg/kg
29. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	1999.8	20.4	584-20-7	N/A	N/A
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	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	79-57-5	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	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-57-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	135-98-8	N/A	or-rat 2240mg/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	541-73-1	N/A	or-rat 1063mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	96-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	96-46-7	75 ppm (450mg/m3/8H)	or-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA						

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-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	37.93
39	trans-1,4-Dichloro-3-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot# **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty
0.021 Flask Uncertainty

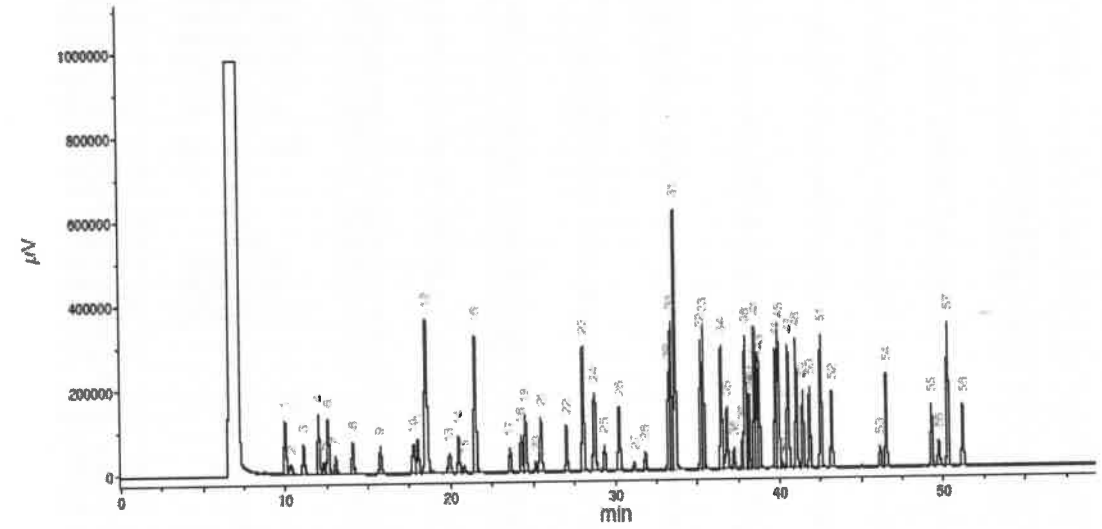
		021624
Formulated By:	Prashant Chauhan	DATE
		021624
Reviewed By:	Pedro L. Rentes	DATE

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 700mg/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	or-rat 14800mg/kg
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 70mg/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 240mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg
14. 2-Nitropropane	(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	2001.6	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	74-85-3	N/A	or-rat 105mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	N/A	or-rat 108mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	100 ppm	or-rat 725mg/kg
29. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	1999.8	20.4	584-20-7	N/A	N/A
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40055.9	2000	NA	NA	0.017	NA	NA	2002.0	22.9	107-06-2	50 ppm (8H)	or-rat 870mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
36. 1,1-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 (50mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 4900mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1063mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00												

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	37.93
39	trans-1,4-Dichloro-3-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

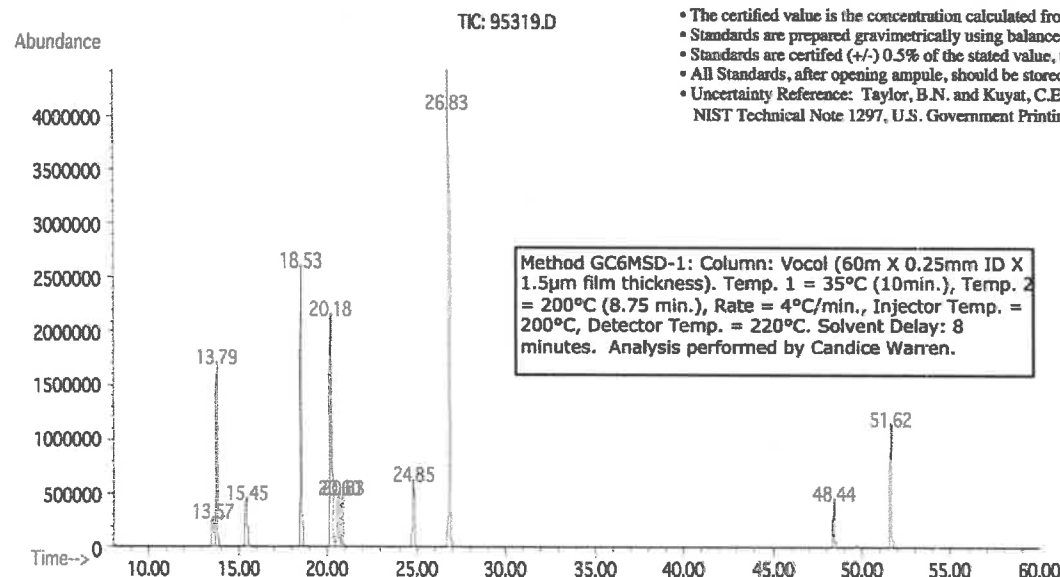
Part Number: **95319**
Lot Number: **032922**
Description: **Revised Additions Mix**
11 components

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

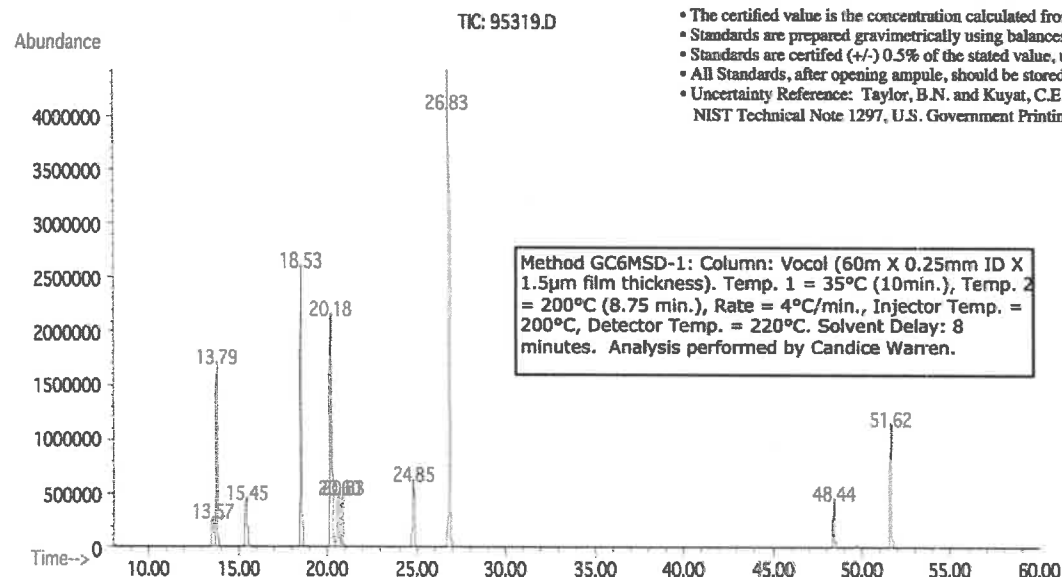
Part Number: **95319**
Lot Number: **032922**
Description: **Revised Additions Mix**
11 components

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).

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: **91980**
Lot Number: **100724**
Description: **Acrolein**

Solvent(s):
Water
Lot#
072324Q

Expiration Date: **110724**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **6UTB**

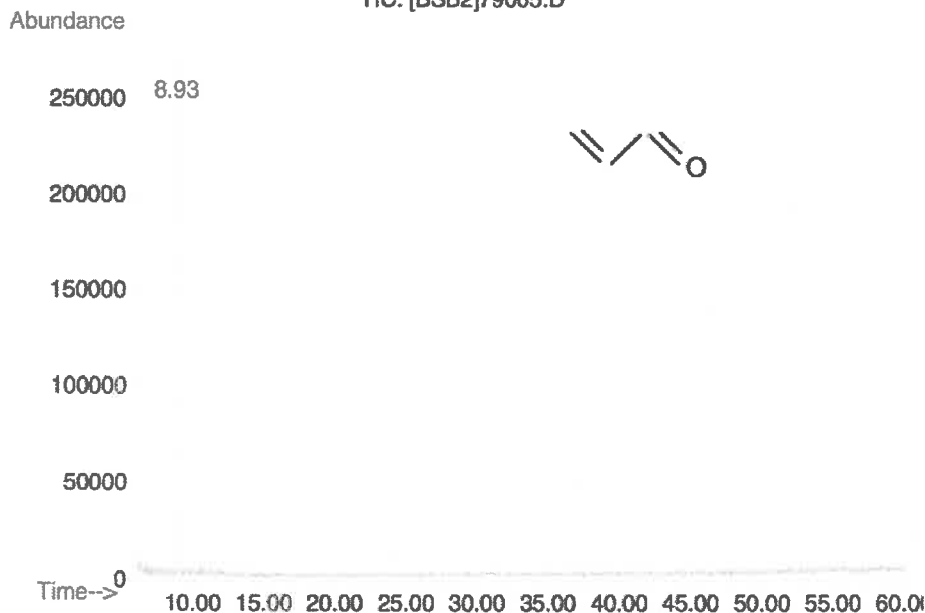
Weight(s) shown below were combined and diluted to (mL): **20.0**
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

		100724
Formulated By:	Lawrence Barry	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

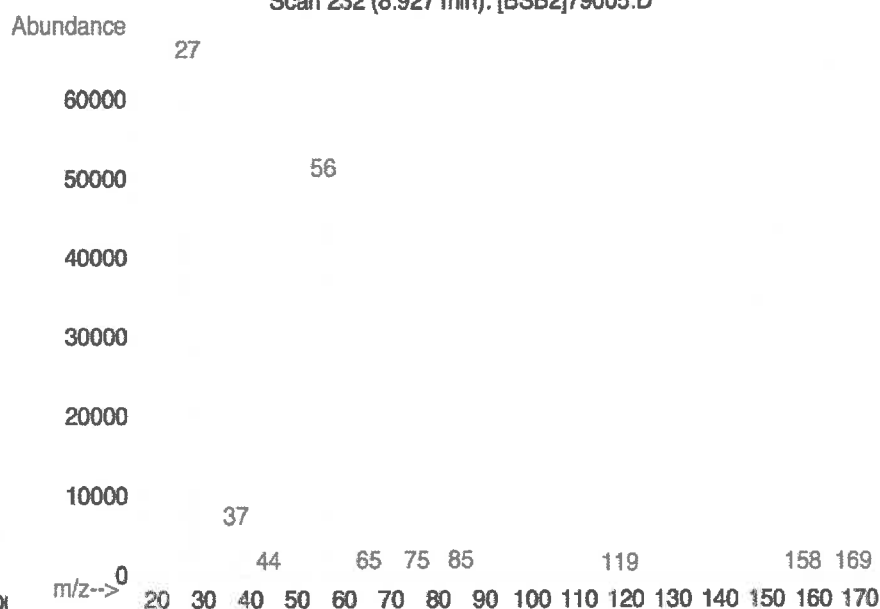
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	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.

TIC: [BSB2]79005.D



Scan 232 (8.927 min): [BSB2]79005.D



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (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: **91980**
 Lot Number: **100724**
 Description: **Acrolein**

Solvent(s):
 Water
 Lot#
 072324Q

Expiration Date: **110724**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **5000**
 NIST Test ID#: **6UTB**

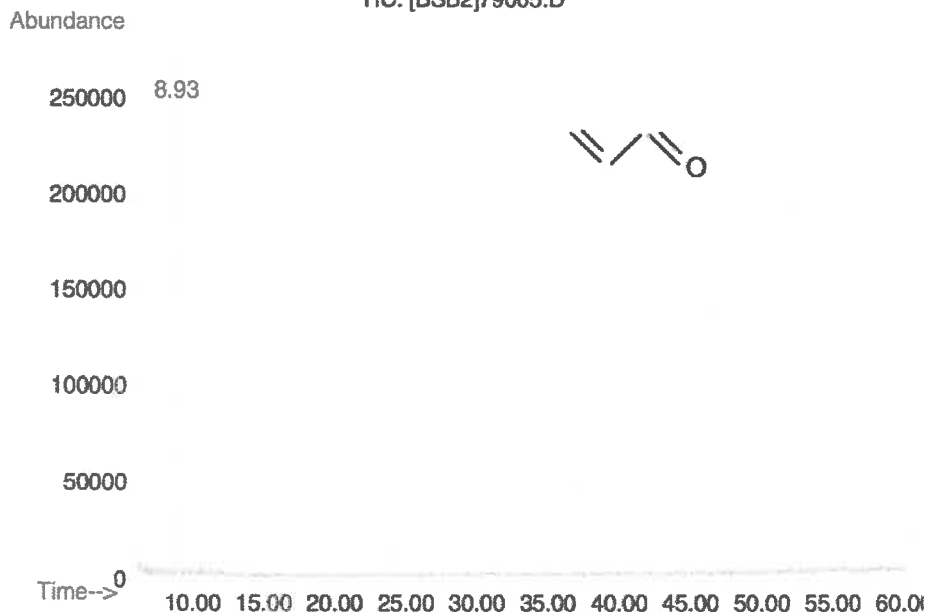
Weight(s) shown below were combined and diluted to (mL): **20.0**
 5E-05 Balance Uncertainty
 0.002 Flask Uncertainty

		100724
Formulated By:	Lawrence Barry	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

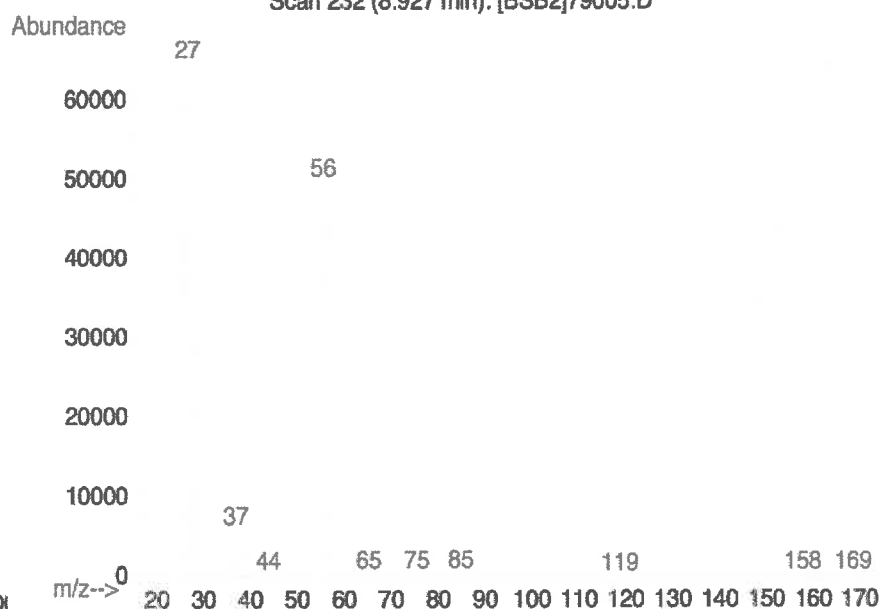
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	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.

TIC: [BSB2]79005.D



Scan 232 (8.927 min): [BSB2]79005.D



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN WATER

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (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: **91980**
Lot Number: **100724**
Description: **Acrolein**

Solvent(s):
Water
Lot#
072324Q

Expiration Date: **110724**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **6UTB**

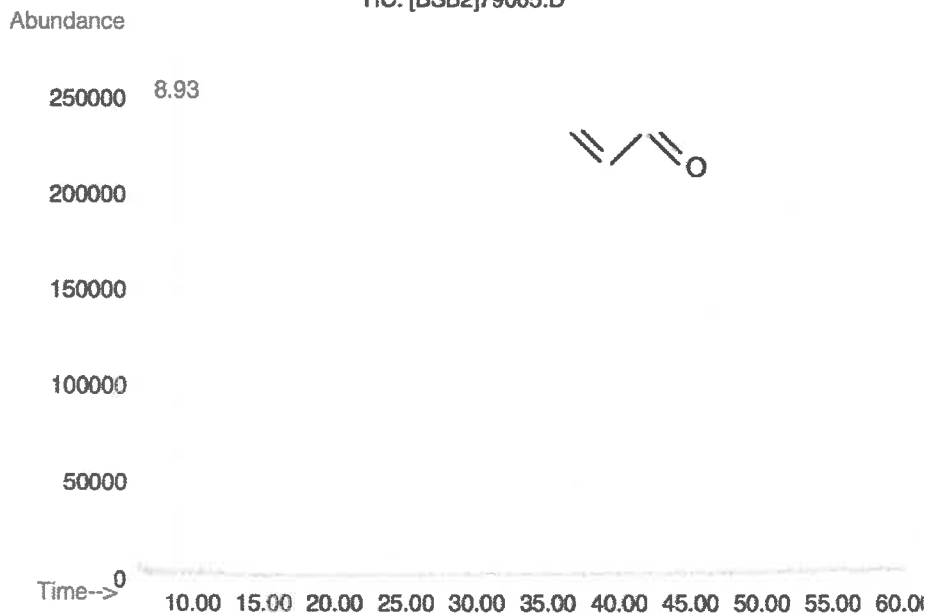
Weight(s) shown below were combined and diluted to (mL): **20.0**
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

		100724
Formulated By:	Lawrence Barry	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

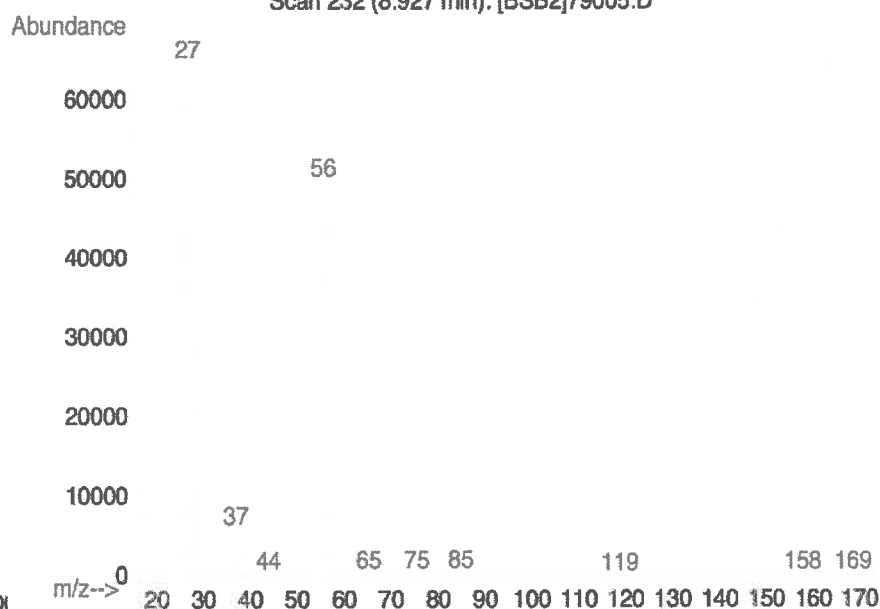
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10329	5010.4	51.9	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.

TIC: [BSB2]79005.D



Scan 232 (8.927 min): [BSB2]79005.D



- 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.
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- 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

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Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
	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

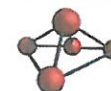
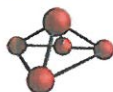
DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

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**

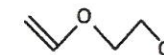
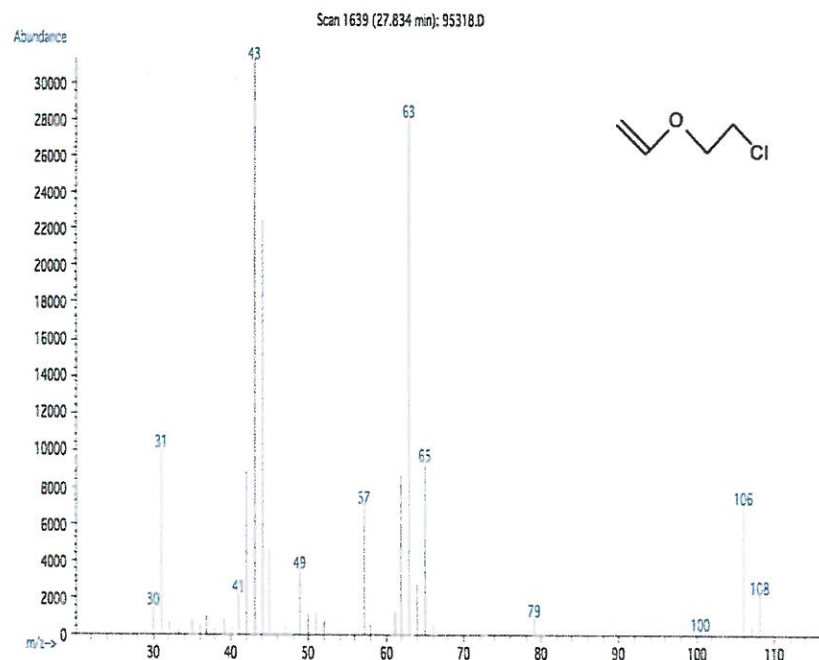
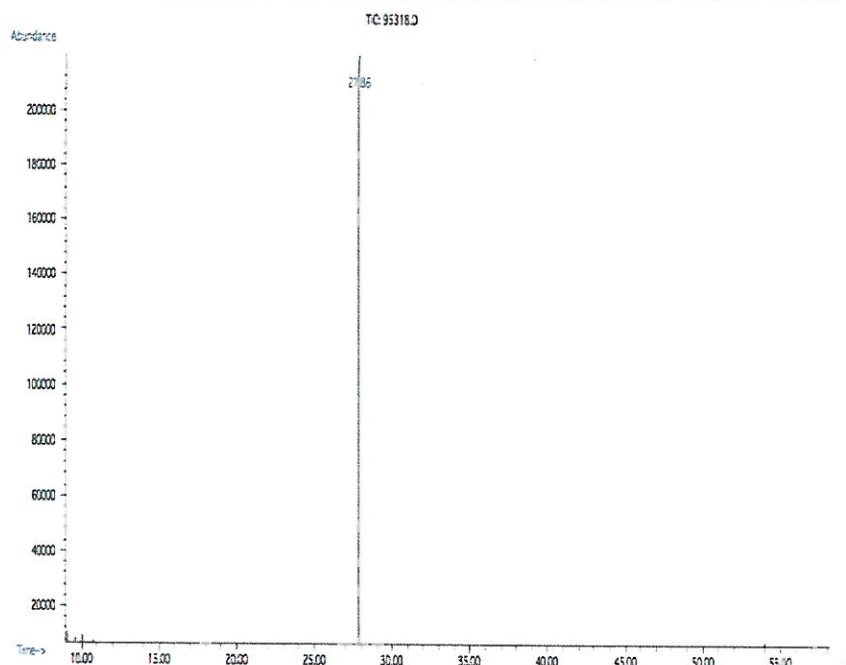
Expiration Date: **121324**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **30.0**
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

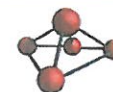
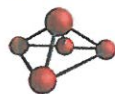
Formulated By: **Benson Chan** 121321
Reviewed By: **Pedro L. Rentas** 121321
DATE

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**

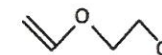
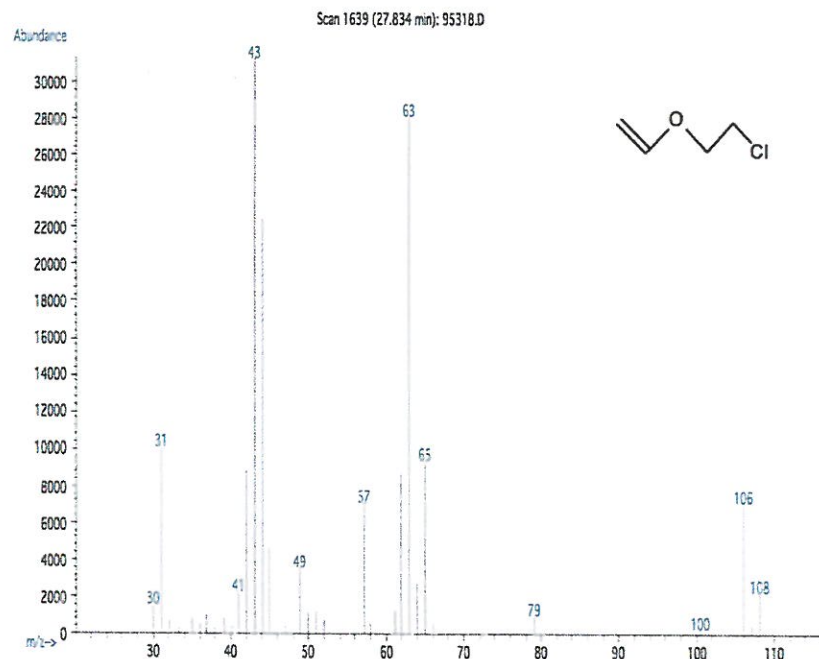
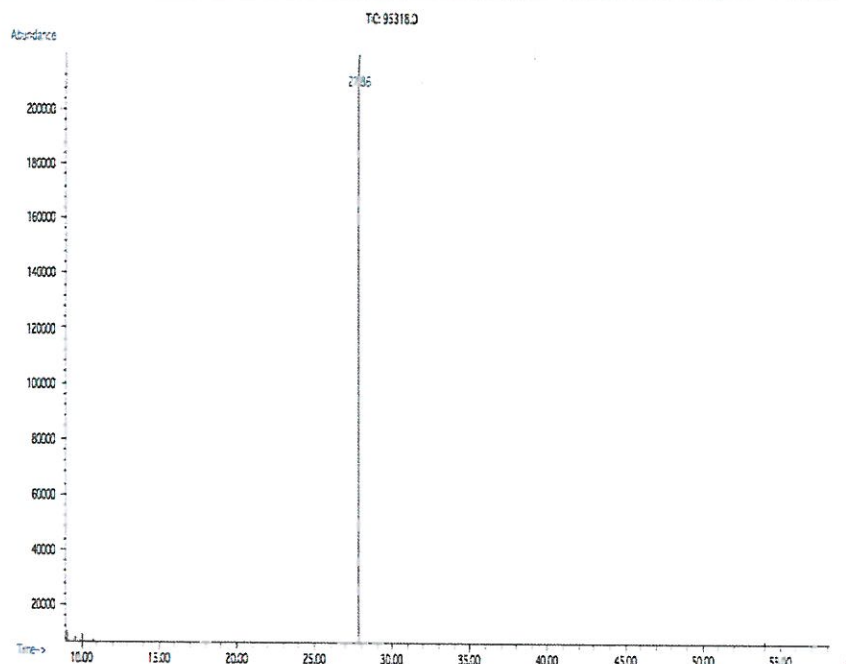
Solvent(s): **Methanol**
Lot#: **EA899-US**

		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.
- 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).



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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. : 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)

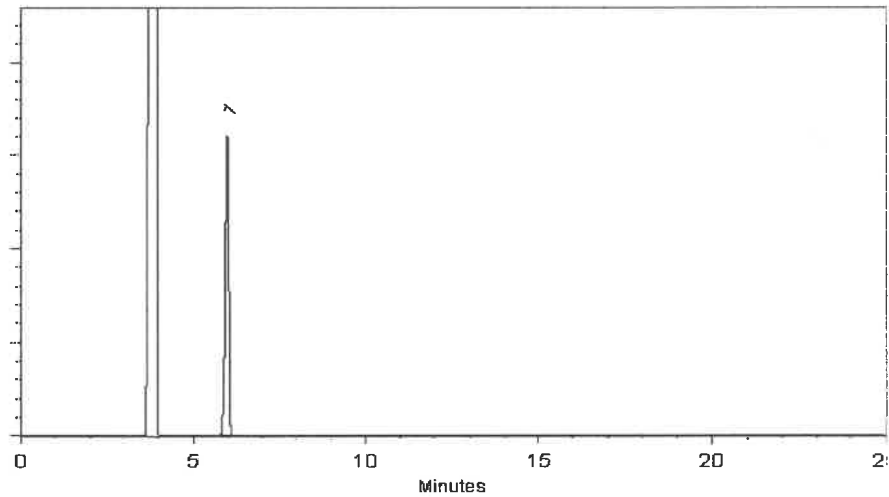
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

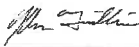
Inj. Temp:
200°C

Det. Temp:
250°C

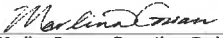
Det. Type:
FID



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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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:

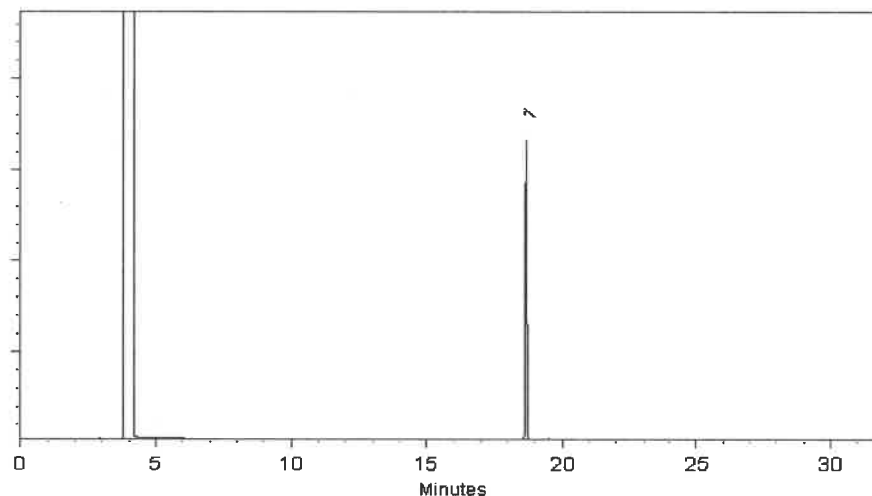
FID

Split Vent:

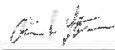
40 ml/min

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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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:

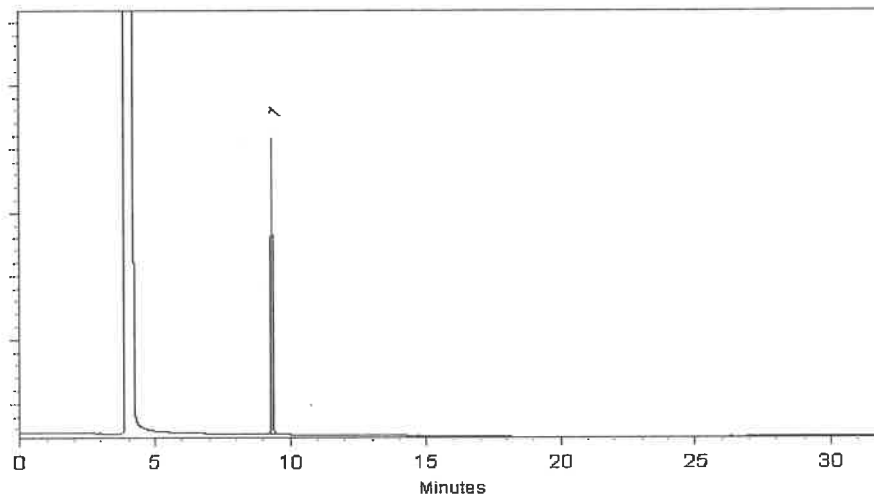
FID

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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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:

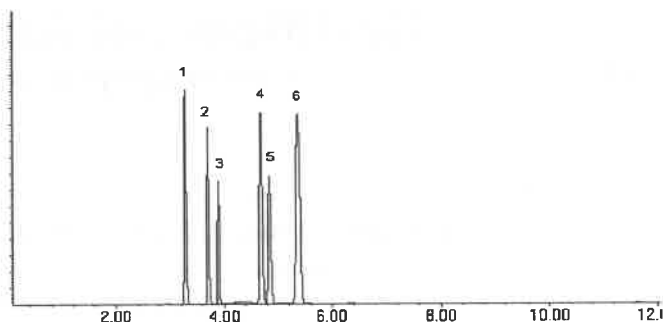
MSD

Split Vent:

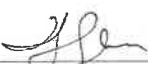
Split ratio 10:1

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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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:

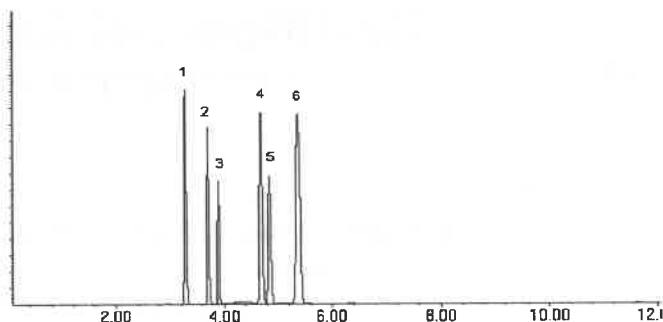
MSD

Split Vent:

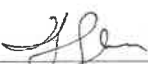
Split ratio 10:1

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

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. : 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:

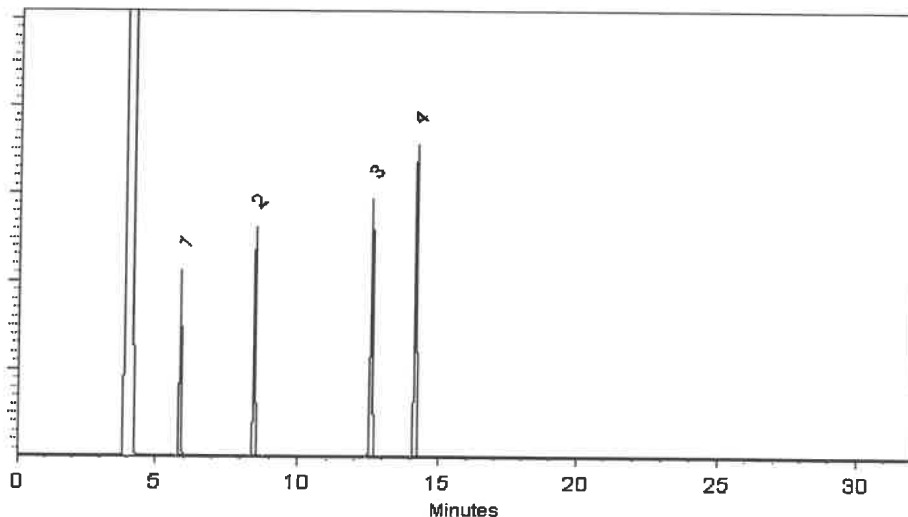
FID

Split Vent:

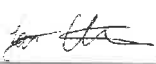
40 ml/min

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:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- 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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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. : 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:

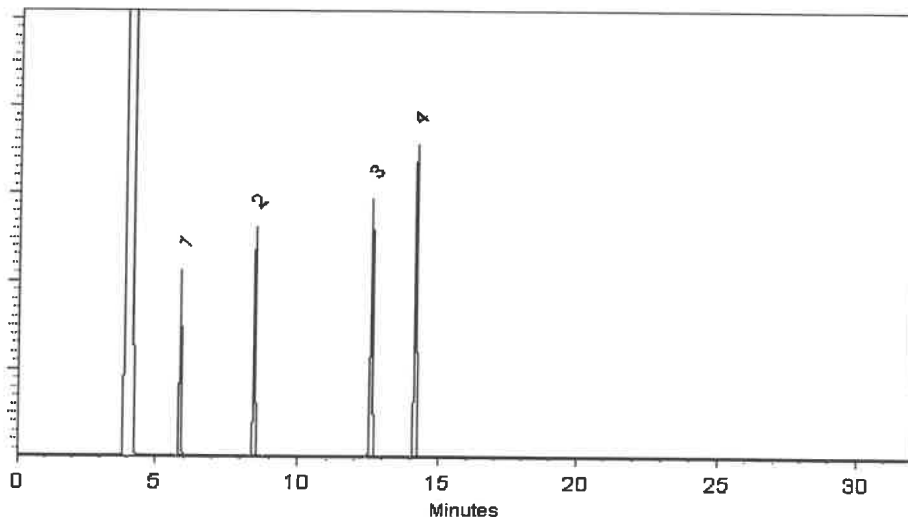
FID

Split Vent:

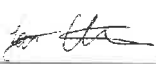
40 ml/min

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:

- 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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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. : 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:

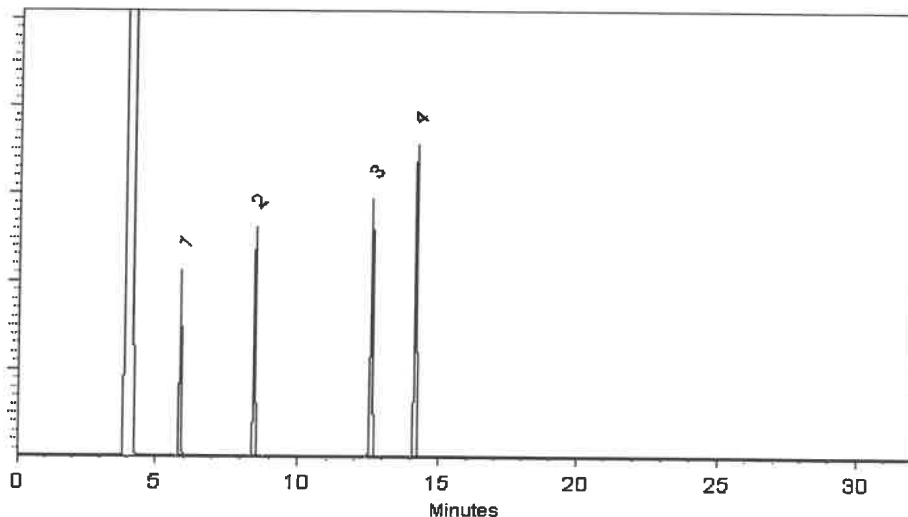
FID

Split Vent:

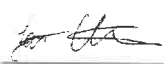
40 ml/min

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.
- 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



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:

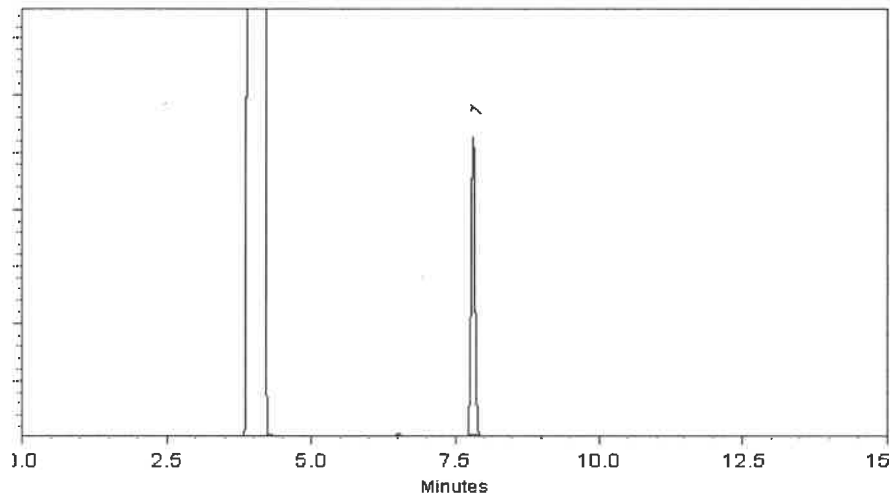
FID

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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- 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:

- 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

Certificate of Analysis

chromatographic



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:

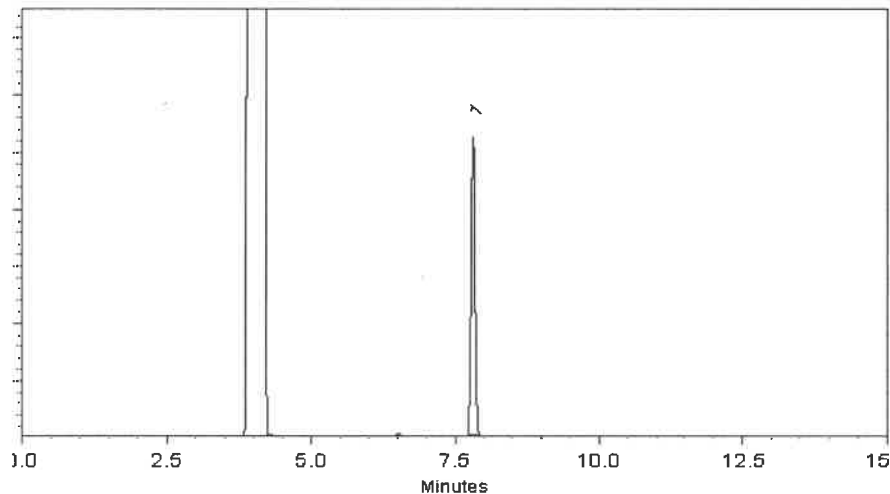
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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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
(Signature Required for Log to Ship)

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.

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- 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.)

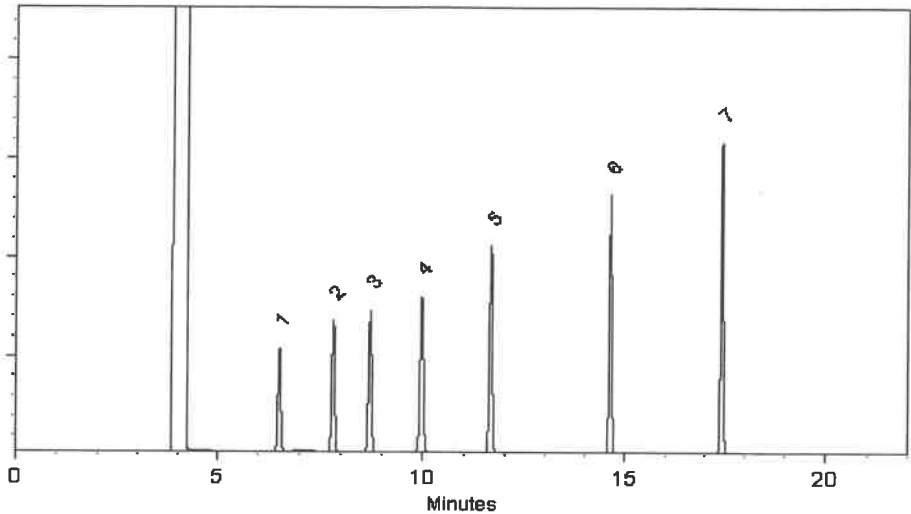
Inj. Temp:
200°C

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.
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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. : 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
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6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

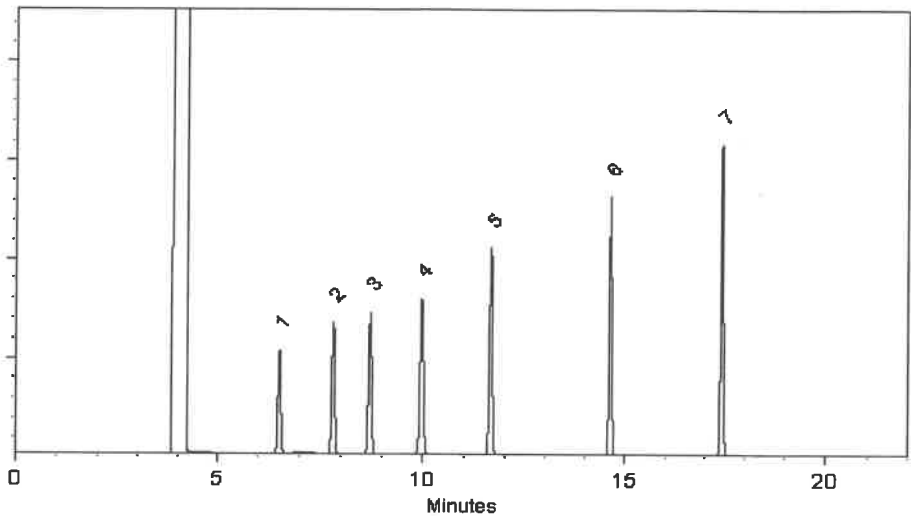
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 Balance Serial # B707717271

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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

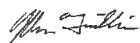
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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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Manufacturing Notes:

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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
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Certificate of Analysis

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500 Series for Drinking Water
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Country of Origin: USA
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Jamie Ethier
Vice President Global Quality

Methanol
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For Purge and Trap Analysis



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Batch No.: 22L0562016
Manufactured Date: 2022-10-26
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Certificate of Analysis

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Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

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500 Series for Drinking Water
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Methanol
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Material No.: 9077-02
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Certificate of Analysis

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Vice President Global Quality



SHIPPING DOCUMENTS

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

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received : SJ
10/23/24
9:47

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Date	Order #
10/21/2024	318989



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240903-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW1024	7098-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium ✓	HW1024	7098-05D
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW1024	7098-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH ✓	HW1024	7098-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW1024	7098-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions ✓	HW1024	7098-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients ✓	HW1024	7098-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW1024	7098-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW1024	7098-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW1024	7098-96
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW1024	7098-100
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease ✓	HW1024	7098-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW1024	7098-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW1024	7098-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW1024	7098-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW1024	7098-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW1024	7098-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW1024	7098-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW1024	7098-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW1024	7098-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW1024	7098-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW1024	7098-106



phenova®
Certified Reference Materials

A Phenomenex®
Company

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsforsale

Received - SJ
10/23/24
9247

Packing List

Date	Order #
10/21/2024	318989



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #		Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240903-01		Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO
Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL ✓✓	HW1024	7098-105

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